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MCB CAMP LEJUENE
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FINAL TIME CRITICAL REMOVAL ACTION SUMMARY REPORT FOR SITE 6 STORAGE LOTS 201 AND 203 MCB CAMP LEJEUNE NC

08/01/2011

CH2M HILL

Final

Time-Critical Removal Action Summary Report
Site 6 - Storage Lots 201 and 203

Marine Corps Base Camp Lejeune
Jacksonville, North Carolina

Contract Task Order WE35

August 2011

Prepared for

Department of the Navy
Naval Facilities Engineering Command
Mid-Atlantic Division

Under the

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Acronyms and Abbreviations

ASTM	American Society for Testing and Materials
BTU	British thermal unit
DRE	Destruction Removal Efficiency
DRMO	Defense Reutilization and Marketing Office
ESS	Explosives Safety Submission
EZ	exclusion zone
LTM	long-term monitoring
LUC	land use control
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
MCB CamLej	Marine Corps Base Camp Lejeune
MEC	munitions and explosives of concern
MMRP	Military Munitions Response Program
MPPEH	material potentially presenting an explosive hazard
MR	Munitions Response
OCP	organochlorine pesticide
Osage	Osage of Virginia
OU	operable unit
PCB	polychlorinated biphenyl
PID	photoionization detector
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
SVOC	semivolatile organic compound
TAL	target analyte list
TCLP	toxicity characteristic leaching procedure
TCRA	Time-critical Removal Action
USEPA	United States Environmental Protection Agency
UXO	unexploded ordnance
VOC	volatile organic compound
yd^3	cubic yard

SECTION 1

Introduction

This summary report describes site work performed as part of the time-critical removal action (TCRA) at Site 6 Storage Lots 201 and 203 at Marine Corps Base Camp Lejeune (MCB CamLej), in Onslow County, North Carolina. The TCRA was conducted to remove soil grossly contaminated with chlorobenzene and buried drums. The TCRA field activities took place May 16 through 19, 2011.

Implementation of the Site 6 TCRA was carried out by Osage of Virginia (Osage), in accordance with the Action Memorandum (CH2M HILL 2011a) and TCRA Implementation Plan (CH2M HILL, 2011b). CH2M HILL provided engineering support and construction oversight services. USA Environmental, Inc. was subcontracted by Osage to perform the excavation and munitions response (MR) support activities.

SECTION 2

Site Background

Site 6 is a part of Operable Unit (OU) 2, located along Piney Green Road on the Mainside of the Base. Covering approximately 210 acres, OU 2 is made up of three sites, Sites 6, 9, and 82, grouped together because of their proximity to one another. Site 6 originally consisted of Storage Lots 201 and 203 and the large wooded areas surrounding them. Large portions of these once-wooded areas have since been cleared and are currently used for storage. The Base operates its scales in Lot 201, and the Defense Reutilization and Marketing Office (DRMO) employs Lot 203 for metal staging operations. The fenced area between Lots 201 and 203 is now used to store shipping containers.

A Record of Decision (ROD) is in-place for OU 2, including Site 6. The remedial action components listed as follows were completed pursuant to the ROD (Baker, 1993).

- Extraction and treatment of chlorinated volatile organic compounds (VOCs) in groundwater
- Long-term monitoring (LTM) for groundwater and surface water
- Land use controls (LUCs) for Non-Industrial Use and Intrusive Activities Control - Soil
- LUCs for Intrusive Activities Control - Groundwater
- LUCs for Aquifer Use Control

Chlorobenzene concentrations detected in groundwater samples collected from monitoring well IR06-MW16 have fluctuated by several orders of magnitude during LTM. In 2000, chlorobenzene was detected at an elevated concentration of 57,000 micrograms per liter (µg/L) in the groundwater sample collected from monitoring well IR06-GW16, as compared to previous concentrations, ranging from 110 to 8,200 µg/L, reported during the previous 8 years of LTM sampling. In response to this spike in chlorobenzene concentrations, a series of investigations were initiated to assess the source and delineate any downgradient groundwater chlorobenzene impacts. In 2009, during vegetation clearing activities for a geophysical investigation, material potentially presenting an explosive hazard (MPPEH) was discovered, and an Explosives Safety Submission (ESS) was tendered to remove and dispose of the material.

As a result of the discovery of MPPEH during investigation activities at OU 2, specifically Site 6, the area has been included in the Military Munitions Response Program (MMRP) and designated as Site Unexploded Ordnance (UXO)-22. Site 6 is located within the boundaries of UXO-22 (**Figure 1**). Information regarding the chlorobenzene groundwater investigations and the 2009 geophysical investigation is presented in the Site 6 Chlorobenzene Investigation Summary Report (CH2M HILL, 2010).

The 2009 geophysical investigation indicated that there were several large anomalies indicative of potential buried debris (and potential contaminant sources) in the eastern portion of the open lot between Lots 201 and 203. Twelve test pits were excavated in

January 2011 to investigate the nature of the geophysical anomalies and to collect soil samples to assess the potential for buried waste materials to impact groundwater (**Figure 2**). All soil samples were analyzed for VOCs (United States Environmental Protection Agency [USEPA] Method 8260B), semivolatile organic compounds (SVOCs) (USEPA Method 8270C), polychlorinated biphenyls (PCBs) (USEPA Method 8082), organophosphorus pesticides (USEPA Method 8141A), organochlorine pesticides (OCPs) (USEPA Method 8081A), Target Analyte List (TAL) metals (USEPA Method 6010B), and hexavalent chromium (USEPA Method 7196A).

2.1 Nature and Extent of Contamination

Debris uncovered during the investigation of these test pits included communication wire, communication batteries, metal fragments, metal roofing material, MPPEH, small containers with unknown materials, and two intact drums. Based on the contents of the test pits, soil samples were collected, revealing further contamination.

Two 55-gallon drums were uncovered in Test Pit 10 (IR06-TP10). Sustained photoionization detector (PID) readings between 5 and 10 parts per million (ppm) were reported in the breathing zone outside of the test pit during the Test Pit 10 excavation activities, and PID readings in excess of 130 ppm were reported within the test pit itself. The chlorobenzene concentration detected in the sample collected from Test Pit 10 was 70,000,000 micrograms per kilogram (µg/kg), indicating a continuous source of contamination presenting a potentially immediate unacceptable risk to human health and the environment.

Based on the test pit investigation, monitoring wells were installed immediately downgradient of the large geophysical anomalies, and groundwater samples were collected. The analytical results will be evaluated as part of the ongoing supplemental groundwater investigation. The overall remedy for Site 6 will be revisited to ensure continued protection of human health and the environment.

SECTION 3

Objectives of the Removal Action

The objectives of this TCRA were to prevent further migration and eliminate unacceptable risks to public health, welfare, and/or the environment, through the removal of buried drums and chlorobenzene-impacted soil at Test Pit 10 (**Figure 2**). In order to account for the potential for additional drums and contaminated soil during the removal action, a 10-foot buffer was added around the original test pit, resulting in a 15-foot by 15-foot removal area. The vertical extent of the removal area was determined by the depth to groundwater which has been impacted with chlorobenzene. Groundwater is typically encountered at approximately 5 feet bgs.

SECTION 4

Removal Action Implementation

This TCRA focused on the removal of the suspected source of chlorobenzene discovered in Test Pit 10 during the January 2011 investigation. The TCRA field activities took place May 16 through 19, 2011, and all field activities were conducted in accordance with the TCRA Implementation Plan (CH2M HILL, 2011b) and the ESS and its Amendments (Appendix A of the TCRA Implementation Plan). All intrusive work was performed by USA Environmental, Inc., a qualified UXO-certified subcontractor, hired by Osage. A photograph log of site activities is provided as **Appendix A**.

4.1 Site Preparation

Prior to intrusive work at Site 6, the North Carolina One Call Center was notified, and an independent underground utility locator was contracted to identify any subsurface utilities within 20 feet of the removal area. Roll-off containers for soil and debris were staged onsite, and plastic sheeting was placed on the ground for the temporary placement of soil during the munitions and explosives of concern (MEC) screening process, prior to placement in the roll-off.

4.2 Munitions Response Support

Debris removed from the excavation was placed on the plastic tarp and screened for MPPEH by a qualified UXO technician.

In accordance with ESS Amendment 3 (CH2M HILL, 2011b), a 209-foot exclusion zone (EZ) was marked out with paint and cones for public and non-essential personnel during intrusive work (**Figure 2**). As the site is located in an open lot with multiple entrances and exit points, traffic control and barriers were not feasible to prevent unauthorized entrance into the EZ. In the case of unauthorized entry, all intrusive activities were halted until the individual moved outside of the EZ.

No MEC or MPPEH was uncovered during excavation activities.

4.3 Excavation

A total of approximately 42 cubic yards (yd^3) of soil and buried debris were removed by USA Environmental, Inc. The approximate final dimensions of the excavation were 15 feet long by 15 feet wide by 5 feet deep. Soil and debris were removed by hand and with the aid of a long-reach excavator. After each foot of soil was removed, the entire excavation was scanned with a magnetometer, and metallic debris was inspected for MPPEH before removal. The excavation was sloped to provide adequate ingress and egress for excavation and sampling personnel.

All excavation activities were conducted wearing air-purifying respirators, tyvek coveralls, work boots, and nitrile gloves. Real-time air monitoring for VOCs was conducted using a PID.

Removal was considered complete when the excavation limits were reached. Three intact drums and one partial drum, all containing liquid, were uncovered during the excavation activities. All drums were removed and placed in 95-gallon overpacks. No additional drums were observed in the sidewalls of the excavation or outside of the planned excavation extents.

4.4 Confirmatory Sampling

Confirmatory sidewall and bottom samples were collected from the excavation prior to backfilling to assess the concentrations of chlorobenzene remaining in the soil. Samples were collected in the center of each sidewall and the floor of the excavation or where visible staining was present (**Figure 2**). Samples were sent to Katahdin Analytical Services for USEPA Method 8260B chlorobenzene analysis. A summary of the confirmatory sample results is provided in **Table 4-1**. The laboratory report is provided as **Appendix B**.

TABLE 4-1
Confirmatory Sample Results

Sample ID	Location	PID Reading[1] (ppm)	Chlorobenzene Concentration (µg/kg)
SITE6-S001	East Side Wall	6.6	170 J
SITE6-S002	North Side Wall	184	420
SITE6-S003	West Side Wall	7,523	2,600,000
SITE6-S004	South Side Wall	4.8	1,000
SITE6-S005	Floor	39.4	530

[1]Field measurement

J - Analyte present. Value may or may not be accurate or precise

The sample collected from the west side wall exceeded the North Carolina Soil Screening Level (NC SSL) of 450 µg/kg and the USEPA Residential and Industrial Regional Screening Levels (RSLs) of 290,000 µg/kg and 1,400,000 µg/kg, respectively. The excavated drums were located in the western portion of the excavation.

4.5 Site Restoration

After collection of confirmatory samples, the excavation was backfilled with clean sandy fill and compacted in accordance with the TCRA Implementation Plan (CH2M HILL, 2011b). Roll-off boxes of excavated soil and debris were staged, with the 95-gallon over packs, onsite within a secured temporary chain-link fence until removed for offsite disposal.

4.5.1 Backfilling and Compaction

Clean fill material from a borrow pit operated by Morton Trucking, Inc. of Jacksonville, North Carolina, was delivered to the site on May 19, 2011. Approximately 44 yd^3 of sandy fill were used to backfill the excavation. Soil was placed in 12-inch lifts and compacted using a 32-inch vibratory roller to 95 percent compaction. Field density tests were performed by ECS Carolinas, LLP, using the Nuclear Density Gauge test method (American Society for Testing and Materials [ASTM] D-6938). Test results are provided in **Appendix C**.

4.6 Offsite Disposal

Approximately 42 yd^3 of excavated material were placed in four 20-yd^3 roll-off boxes lined with disposable plastic sheeting. The roll-off boxes were covered with secured tarps to prevent rain or other debris from entering and were secured with temporary chain-link fencing while offsite disposal was coordinated. A composite waste characterization sample was collected from the roll-off boxes for disposal characterization. The analytical results indicated that chlorobenzene was present at a concentration of 2,300 ug/L by the toxicity characteristic leaching procedure (TCLP) and 150,000 ug/kg by USEPA Method 8260B. Based on the analytical results, the soil and debris in the roll-off boxes was characterized as Code U037 Resource Conservation and Recovery Act (RCRA) Hazardous Waste (chlorobenzene).

The 95-gallon over pack drums were moved to the Base Environmental Management Division hazardous waste storage facility for safe storage until offsite disposal was coordinated. The liquid waste inside the 95-gallon over pack drums was identified to be chlorobenzene based on the investigation results and was characterized as Code U037 RCRA Hazardous Waste (chlorobenzene).

Roll-off boxes, containing hazardous soil and debris, were transported offsite by Robbie D. Wood, Inc. of Dolomite, Alabama between June 14, and June 17, 2011. The hazardous soil and debris was transported to the Chemical Waste Management, Inc. disposal facility in Emelle, Alabama. The excavated drums were transported by Chemical Waste Management, Inc. to their disposal facility in Emelle, Alabama on July 2, 2011. Waste disposal manifests are provided in **Appendix D**.

The 52.47 tons (42 yd^3) of soil and debris and 0.9 tons (six 95-gallon drums) of chlorobenzene liquid were transported by Chemical Waste Management, Inc to the Veolia ES Technical Solutions Port Arthur, Texas Treatment Complex for incineration. The incineration of the hazardous wastes was completed using the 150 million British Thermal Unit (BTU) per hour rotary kiln incinerator. The Port Arthur, Texas Treatment Complex is permitted to handle up to 150,000 tons per year of RCRA waste and auxiliary fuel with hourly constraints on individual feed devices, feed concentrations, and heat releases.

The soil, debris, and containerized liquid were fed into the 16 feet diameter kiln which is 60 feet long and lined internally with 12 inches of refractory brick. The waste was heated in the kiln, where organics were destroyed in place or volatilized and destroyed in the secondary combustion chamber. A minimum 99.99% (typically >99.9999%) Destruction Removal Efficiency (DRE) for RCRA waste was achieved. The ash, remaining after incineration, was

stabilized and then transported to the Chemical Waste Management Landfill in Lake Charles, Louisiana for final disposition.

4.7 Cost Breakdown

Table 4-2 lists the cost for each task of the project and its respective percentage of the project total. As expected, the majority of the cost was the soil removal implementation, which included site preparation, excavation by a UXO-qualified subcontractor, laboratory analyses, oversight, and site restoration. Using these cost numbers, the treated cost is $6,200 per yd^3.

TABLE 4-2
Cost Breakdown

Project Task	Cost
Work Planning and Reporting	$ 12,000
Soil Removal Implementation	$ 102,400
Offsite Transportation and Disposal	$ 146,000
Total	**$ 260,400**

SECTION 5

Recommendations for Further Action

The analytical results for the confirmatory soil samples collected as part of the TCRA indicate that concentrations of chlorobenzene are still present in soil above industrial screening levels. As part of the ongoing chlorobenzene groundwater investigation at Site 6, the following actions are recommended as follow up actions to this TCRA:

- Evaluate the nature and extent of chlorobenzene in soils, outside the TCRA area at Site 6, through passive soil gas and soil sampling.
- Revisit the remedy in-place at Site 6 to evaluate the protectiveness of human health and the environment based on the recent soil data.

SECTION 6

References

Baker Environmental, Inc. (Baker). 1993. *Record of Decision for Operable Unit No.2 (Sites 6, 9, & 82), Marine Corps Base Camp Lejeune, Jacksonville, North Carolina.*

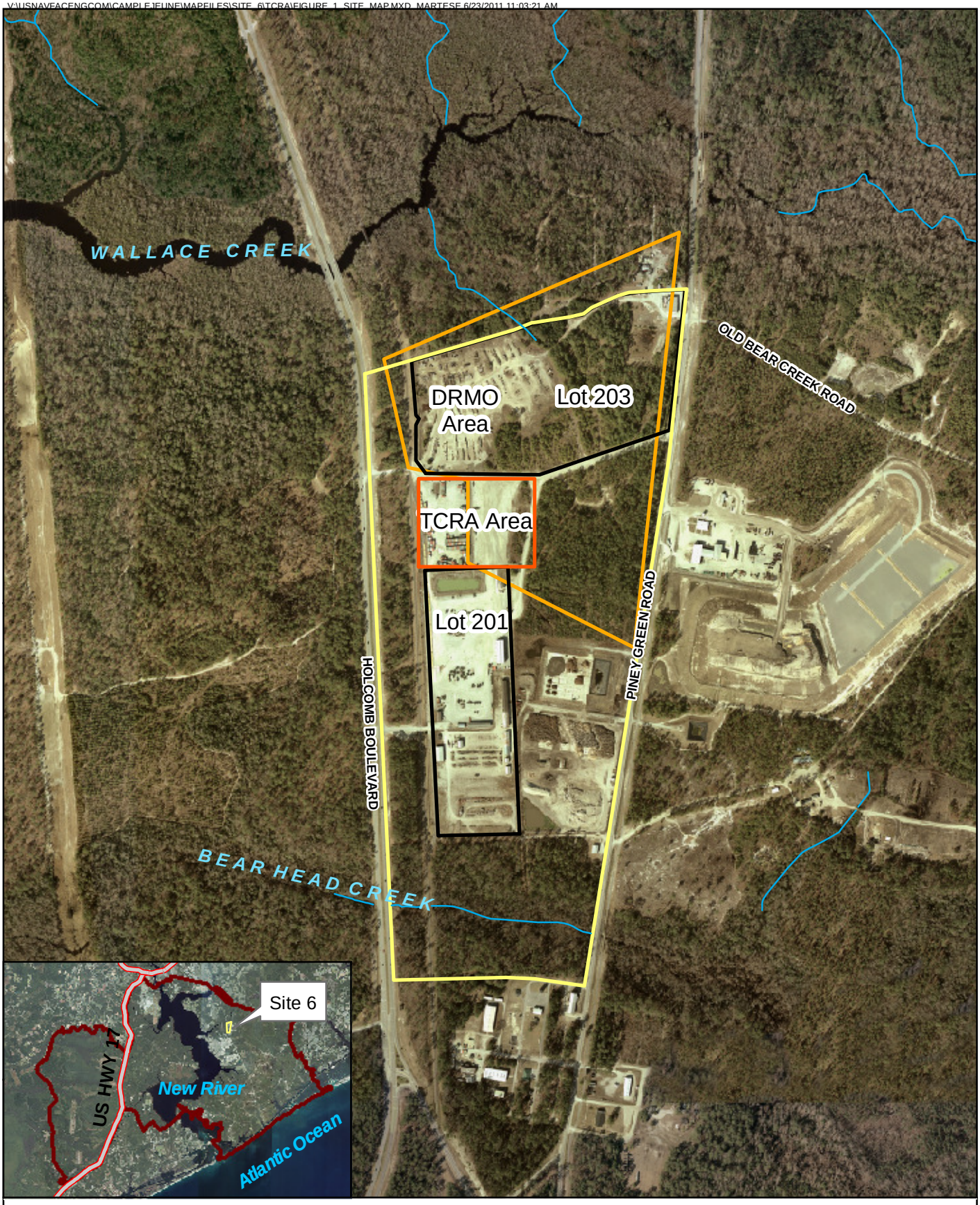
CH2M HILL. 2010. *Site 6 Chlorobenzene Investigation Summary Report, Marine Corps Base Camp Lejeune, Jacksonville, North Carolina.* July.

CH2M HILL. 2011a. *Action Memorandum, Site 6 Storage Lots 201 and 203, Time-Critical Removal Action, Marine Corps Base Camp Lejeune, Jacksonville, North Carolina.* April.

CH2M HILL. 2011b. *Time-Critical Removal Action Implementation Plan Site 6 Storage Lots 201 and 203, Marine Corps Base Camp Lejeune, Jacksonville, North Carolina.* May.

Figures

V:\USNAVFACENGCOM\CAMPLEJEUNE\MAPFILES\SITE_6\TCRA\FIGURE_1_SITE_MAP.MXD MARTESE 6/23/2011 11:03:21 AM



Legend
- Surface Water Centerline
- Site 6 Boundary
- Lots 201 and 203
- UXO-22 Boundary
- Base Boundary

N

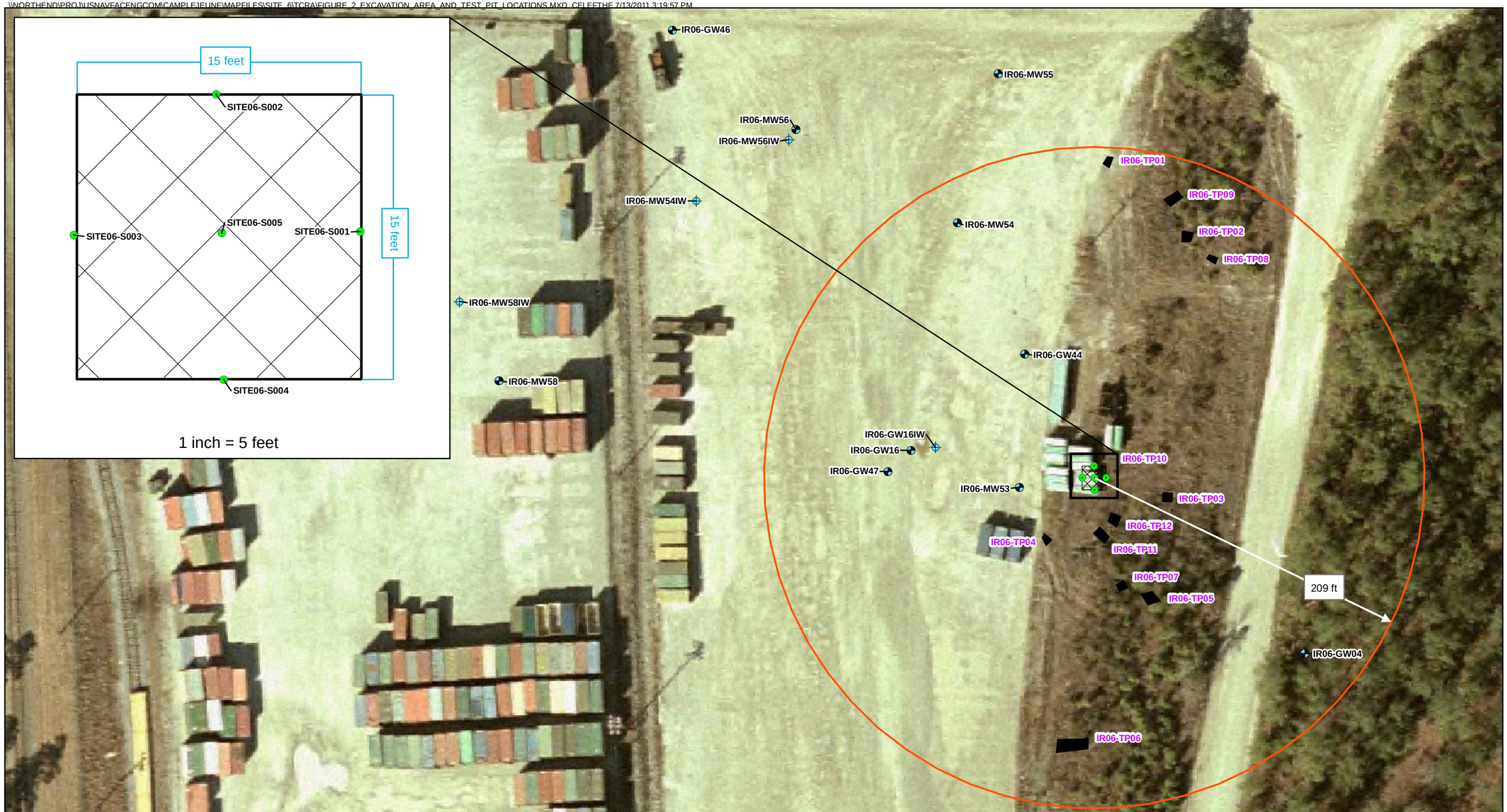
0 450 900 1,800 Feet

1 inch = 900 feet

Figure 1
Site Map
Site 6 Time-Critical Removal Action
MCB CamLej
North Carolina

CH2MHILL

\\NORTHEND\PROJ\USNAVFACENGCOM\CAMPLEJEUNE\MAPFILES\SITE_6\TCRA\FIGURE_2_EXCAVATION_AREA_AND_TEST_PIT_LOCATIONS.MXD CFLEETHE 7/13/2011 3:19:57 PM



Legend

- Surficial Aquifer Monitoring Well
- Upper Castle Hayne Aquifer Monitoring Well
- Excavation Sample Locations
- Public and Non-Essential Exclusion Zone - 209 ft
- TCRA Excavation Area
- Test Pit Locations

N

0 30 60 120 Feet

1 inch = 60 feet

Figure 2
Excavation Area and Test Pit Locations
Site 6 Time-Critical Removal Action
MCB CamLej
North Carolina

CH2MHILL

Appendix A
Photograph Log

Excavation Activities

Soil placement on plastic sheeting for UXO screening

Drums uncovered during excavation activities

Excavation Activities

Drums uncovered during excavation activities

Drum removal preparation

Excavation Activities

Drum Removal

Drum Removal

Excavation Activities

Drum placement in 95 gallon over pack

Drum placement in 95 gallon over pack

Excavation Activities

Excavated materials

Screening of excavated materials for UXO

Confirmation Sampling

Confirmation sampling within excavation

Site Restoration

Backfilling Activities

Compaction with 32-inch vibratory roller

Site Restoration

Temporary chain-link fence securing investigation derived waste

Appendix B
Laboratory Report

OSAGE OF VIRGINIA, INC.
MCB LEJEUNE SITE 6 LCRA
SE2818

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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8000001

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
OSAGE OF VIRGINIA, INC.
MCB LEJEUNE SITE 6 LCRA
SE2818

Sample Receipt

The following samples were received on May 20, 2011 and were logged in under Katahdin Analytical Services work order number SE2818 for a hardcopy due date of June 8, 2011.

KATAHDIN Sample No.	CH2MHILL Sample Identification
SE2818-1	SITE6-S001
SE2818-2	SITE6-S002
SE2818-3	SITE6-S003
SE2818-4	SITE6-S004
SE2818-5	SITE6-S005
SE2818-6	SITE6-IDW-2117
SE2818-7	SITE6-IDW-2117
SE2818-8	SITE6-IDW-5526
SE2818-9	SITE6-IDW-5526
SE2818-10	SITE6-IDW-782
SE2818-11	SITE6-IDW-782
SE2818-12	SITE6-IDW-954
SE2818-13	SITE6-IDW-954

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, **Ms. Kelly Perkins.** This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of work order SE2818 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, 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.

8270C TCLP Analysis

The CV (file U5835A) had a low response for the surrogate 2,4,6-tribromophenol. This response resulted in a %D that was greater than the acceptance limit of 20% from DoD QSM Version 4.1.

8151 TCLP Analysis

There were no protocol deviations or observations noted by the organics laboratory staff for this analysis.

8260B TCLP Analysis

Surrogate recoveries for all samples and QC, as well as spike recoveries for the laboratory control sample and laboratory control sample duplicate (LCS/LCSD), were evaluated using DOD QSM 4.1 acceptance limits.

The initial calibration analyzed on the T instrument on 5/24/11 had a %RSD value for carbon tetrachloride that exceeded the method acceptance limit of 15%. For this analyte, a linear model was used for quantitation instead of an average response factor. The analyte vinyl chloride failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This analyte was calibrated using the average model.

The LCS WG91953-1 had recoveries for the surrogates toluene-d8 and dibromofluoromethane that were low and outside the DoD QSM Version 4.1 acceptance limits. Since the recoveries for all target analytes were within the acceptance limits, and all QC from this batch had acceptable surrogate recoveries, the samples were not reanalyzed.

8260B Analysis

The recoveries for all aqueous samples and QC were evaluated using DOD QSM 4.1 acceptance limits for all four surrogates. The soil samples were evaluated using DOD QSM 4.1 acceptance limits for the surrogates toluene-d8 and p-bromofluorobenzene and laboratory established acceptance limits for the two surrogates dibromofluoromethane and 1,2-dichloroethene-d4.

The initial calibration analyzed on the T instrument had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The analyte vinyl chloride failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. The independent check standard (file T2298A) had a high concentration for the target analytes dichlorodifluoromethane, which exceeded the DoD QSM acceptance limit of ±20% of the expected value from the ICAL. The independent check standard is the same source as the LCS. There were two analytical batches associated with this initial calibration and the LCS recoveries were compared to the expected value from the ICAL as an independent check standard. The LCS's WG91953-1 and WG92042-1 had acceptable LCS recoveries for dichlorodifluoromethane. Therefore, the associated samples were not reanalyzed. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The calibration verification standard (CV) (file T2314) had low responses for the compounds carbon disulfide, carbon tetrachloride, dibromochloromethane, bromoform and naphthalene, which resulted in %D's that were greater than the DoD QSM version 4.1 acceptance limits of 20%. Since the associated LCS WG92042-1 had a recovery that was within the laboratory established acceptance limits, the associated samples were not reanalyzed.

The CV (file T2357A) had a high response for surrogate 1,2-dichloroethane-d4, which resulted in a %D that was greater than the DoD QSM version 4.1 acceptance limits of 20%. Since the associated LCS WG92097-1 had a recovery that was within the laboratory established acceptance limits, the associated samples were not reanalyzed.

The LCS WG91953-1 had low recoveries for two surrogates, which were outside of the DoD QSM version 4.1 acceptance limits. Since the recoveries for all the spiked target analytes were within the acceptance limits, the associated samples were not reanalyzed.

Samples SE2818-1DL, 2DL, 3DL, 4DL and 5DL had high recoveries for the surrogate toluene-d8, which were outside of the DoD QSM version 4.1 established acceptance limits. Since this surrogate is not associated with the internal standard associated with the target analyte chlorobenzene, the samples were not reanalyzed.

The method blanks WG92042-2 and WG92097-2 had high recoveries for three surrogates and the methanol blank WG92042-3 had a high recovery for one surrogate, which were outside of the DoD QSM version 4.1 acceptance limits. Since a high recovery would indicate a high bias and there were no target analytes detected above the LOQ in the aforementioned blanks, the associated samples were not reanalyzed.

The target analyte carbon disulfide was detected below ½ the reporting limit in the method blank WG91953-2. According to the DoD QSM section D.1.1.1, a method blank is considered to be contaminated if the concentration of any target analyte in the blank exceeds ½ the reporting limit. Since the method blank was acceptable, no further action was taken.

The target analyte acetone was detected below ½ the reporting limit in the methanol blank WG92042-3. According to the DoD QSM section D.1.1.1, a method blank is considered to be contaminated if the concentration of any target analyte in the blank exceeds ½ the reporting limit. Since the methanol blank was acceptable, no further action was taken.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are based on the DoD QSM for the full list of spiked compounds and laboratory established acceptance limits for all other analytes. 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. 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.

<u>8270C Analysis</u>

Samples SE2818-7, 11 and the method blank WG91853-1 had low recoveries for the surrogate 2,4,6-tribromophenol, which were outside of the DoD QSM 4.1 acceptance limits.

Sample SE2818-13 had a low recovery for the surrogate nitrobenzene-d5 and no recovery for phenol-d6, which were outside of the DoD QSM 4.1 acceptance limits.

Sample SE2818-9 had low recoveries for the surrogates 2-fluorophenol and 2,4,6-tribromophenol, which were outside of the DoD QSM 4.1 acceptance limits. The client was contacted and informed the laboratory to proceed with narration.

The independent check standard (file U5860) associated with the initial calibration on 05/26/011 had a low concentration for the target analyte 3,3'-dichlorobenzidine and a high concentration for di-n-octylphthalate, which exceeded the DoD QSM acceptance limit of ±20% of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The CV (file U5835) had a high response for the target analyte indeno(1,2,3-cd)pyrene and a low response for the surrogate 2,4,6-tribromophenol. These responses resulted in %D's that were greater than the acceptance limit of 20% from DoD QSM Version 4.1.

The LCSD WG91853-3 had a high response for the two internal standards that resulted in a %D's which were outside the DoD QSM acceptance limit of -50% to +100% of the response of the internal standard of the midpoint standard of the initial calibration .

8082 Analysis

Samples SE2818-6, 10 and 12 were manually integrated for the surrogate TCX. 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.

Sample SE2818-6 had low recoveries for the surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries were acceptable for the surrogate DCB, the sample was not reextracted.

Samples SE2818-8 and 10 had low recoveries for the surrogate TCX on one or both channels, which were outside of the laboratory established acceptance limits and low recoveries for the surrogate DCB on channel A, which were outside of the DoD QSM acceptance limits. Since the recoveries for DCB on channel B was acceptable, the samples were not reextracted.

Sample SE2818-12 had low recoveries for the surrogate DCB on both channels, which were outside of the DoD QSM acceptance limits. The client was contacted and informed the laboratory to proceed with narration.

The independent check standard (file 8EE10079), associated with the initial calibration analyzed on 05/17/11, had a high concentration for Aroclor 1016 on channel A, which exceeded the DoD QSM acceptance limit of ±20% of the expected value from the ICAL.

The opening CV (file 8EE10174) had high responses for Aroclor 1016 and the surrogate TCX on channel A, which resulted in %D's that were outside of the DoD QSM acceptance limits of 20%. Since the responses were acceptable on channel B, the associated samples were not reanalyzed.

The opening/closing CV (file 8EE10189) had a high response for Aroclor 1260 on channel A and a high response for the surrogate TCX on channel B, which resulted in %D's that were outside of the DoD QSM acceptance limits of 20%. Since the responses were acceptable on the confirming channel, the associated samples were not reanalyzed.

The closing CV (file 8EE10198) had low responses for Aroclor 1260 on both channels, and also a low response for the surrogate DCB and a high response for the surrogate TCX on channel A, which resulted in %D's that were outside of the DoD QSM acceptance limits of 20%. The responses for the surrogates were acceptable on the confirming channel. The opening CV was acceptable for Aroclor 1260 on channel B and high on channel A. The low responses for Aroclor 1260 are likely due to the samples from this work order that preceded this CV. Therefore, the associated samples were not reanalyzed.

8081 TCLP Analysis

Surrogate and spike recoveries for all samples and QC were evaluated using DoD QSM acceptance limits.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) were evaluated using DOD QSM 4.1 acceptance limits and laboratory nominal acceptance limit for the analytes toxaphene and technical chlordane. 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. 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 opening calibration verification standard (CV) (file 1EE02390) had a high response for heptachlor on channel B, which resulted in a %D that was outside of the DoD QSM acceptance limits of 20%. Since the responses were acceptable on channel A, the associated samples were not reanalyzed.

The closing CV (file 1EE02405) had a high response for methoxychlor on both channels as well, as a high response for heptachlor on channel B, which resulted in %D's that were outside of the DoD QSM acceptance limits of 20%. Since the responses for heptachlor was acceptable on channel A, and a high response would indicate a high bias and methoxychlor was not detected above the MDL in the associated samples, the samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin Work Order SE2818 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

TCLP Extraction (EPA Method 1311)

Katahdin Sample Numbers SE2818- (6T, 8T, 10T, 12T) were subjected to TCLP extraction on 05/23/11 in accordance with USEPA Method 1311. The resulting TCLP extract is identified throughout the raw

data by the suffix "T" appended to the Katahdin Sample Number, e.g. "SE2818-006T". The TCLP fluid blank identified as PBT1012A is associated with this TCLP extract. The measured concentrations of contaminants in this TCLP fluid blank are listed after the Form 3P in the accompanying data package. The filter paper used in the extraction process contains a level of barium above the laboratories acceptance criteria (3 ug/L). The level of barium present in TCLP fluid blanks is well below the regulatory limit of 100,000 ug/L.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Numbers SE2818- (6T, 8T, 10T, 12T) were digested for ICP analysis on 05/24/11 (QC Batch BE24ICW1) in accordance with USEPA Method 3010A.

Katahdin Sample Numbers SE2818- (6T, 8T, 10T, 12T) and PBT1012A were diluted before digestion due to possible matrix or spectral interference.

ICP analyses of the Katahdin Katahdin Work Order SE2818 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Numbers SE2818- (6T, 8T, 10T, 12T) were digested for mercury analysis on 05/24/11 (QC Batch BE24HGW0) in accordance with USEPA Method 7470.

Mercury analysis of the Katahdin Work Order SE2818 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All analytical run QC criteria were met and all samples were analyzed within holding times.

Reporting of Metals Results

Per client request, analytical results for client samples on Form I and preparation blanks on Form IIIP have been reported using the laboratory's limits of detection (LOD). All results were evaluated down to the laboratory's method detection limits (MDLs). Results that fall between the MDL and the laboratory's limits of quantitation (LOQ) are flagged with "J" in the C-qualifier column, and the measured concentration appears in the concentration column. Results that are less than the MDL are flagged with "U" in the C-qualifier column, and the LOD is listed in the concentration column. These LOQ's, MDLs and LODs have been adjusted for each sample based on the sample amounts used in preparation and analysis.

Analytical results on Forms VA, VD, VII, and IX for client samples, matrix QC samples (duplicates and matrix spikes), and laboratory control samples have been reported down to the laboratory's method detection limits (MDLs). Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column, and the measured concentration is listed in the concentration column.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, LODs, MDLs, and LOQs are listed on Form 10 of the accompanying data package.

Wet Chemistry Analysis

The samples of Work Order SE2818 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Annual Book of ASTM Standards", Method D2216-98 "Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass".

Analyses for reactive cyanide, reactive sulfide, ignitability, and pH were performed according to "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA,III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Limit of Quantitation (LOQ) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U LOD", where "LOD" is the numerical value of the Limit of Detection.

All analyses were performed within analytical holding times. All quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Deborah J. Nadeau for 6-9-11

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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Osage	KAS PM: KAP	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: FedEx
KAS Work Order#: SE2818	KIMS Review By:	Received By: GN
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 5-20-11/10:00

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? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 0.3
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea		fav		✓	
Soil/Sediment: Received in airtight container?	✓				
Received in methanol?	✓				
Methanol covering soil?	✓				
7. Trip Blank present in cooler?		✓			
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12					

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Jennifer Obrin

From: Kelly Perkins [kperkins@katahdinlab.com]
Sent: Tuesday, May 24, 2011 1:04 PM
To: 'Shaun Whitworth'
Cc: 'Peter Lemay'; jobrin@katahdinlab.com
Subject: FW: MCB Lejeune Site 6 LCRA PCB surrogate recovery

Importance: High

Hi Shaun,

Per our conversation we will report the data we have and discuss in the narrative.

Thanks!!

Kelly Perkins
Project Manager
Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074
(207) 874-2400 Ext. 17

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Kelly Perkins [mailto:kperkins@katahdinlab.com]
Sent: Tuesday, May 24, 2011 10:55 AM
To: 'Shaun Whitworth'
Subject: MCB Lejeune Site 6 LCRA PCB surrogate recovery
Importance: High

Hi Shaun,

We have a PCB sample from MCB Lejeune Site 6 LCRA (SE2818-12, SITE6-IDW-9S4) with DCB surrogate recovery below DoD limits on both channels. All of the samples from this site smelled bad, were dark in color and exhibited lots of matrix interference. Extraction holding time expires 6/2/11, but we have preliminary data due to you this Thursday (5/26). Please let me know how you would like us to proceed.

Thanks!

Kelly Perkins
Project Manager
Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074
(207) 874-2400 Ext. 17

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be

0000011

Jennifer Obrin

From: Kelly Perkins [kperkins@katahdinlab.com]
Sent: Tuesday, May 31, 2011 9:53 AM
To: jobrin@katahdinlab.com
Subject: FW: Lejeune Site 6 SVOA surrogate recovery SE2818

Kelly Perkins
Project Manager
[illegible] Analytical Services
[illegible]nology Way
[illegible]ugh, ME 04074
[illegible]1-2400 Ext. 17

[illegible] This message, including any attachments, may include privileged, confidential and/or inside[illegible]
[illegible] of this communication by anyone other than the intended recipient is strictly prohibited and [illegible]
[illegible] the intended recipient, please notify the sender by replying to this message and then [illegible]

From: Shaun Whitworth [mailto:SWhitworth@osageva.com]
Sent: Tuesday, May 31, 2011 9:45 AM
To: Kelly Perkins
Subject: RE: Lejeune Site 6 SVOA surrogate recovery SE2818

Let's just stick with what we have
thanks

Shaun Whitworth
Office 757 440-0400 / Cell 757 408-2349

From: Kelly Perkins [mailto:kperkins@katahdinlab.com]
Sent: Tuesday, May 31, 2011 9:44 AM
To: Shaun Whitworth
Subject: Lejeune Site 6 SVOA surrogate recovery SE2818
Importance: High

Hi Shaun,

We have a SVOA samples (total, not TCLP) that has tribromophenol surrogate recovery (6.1%) below acceptance limits (16-103%). The other 5 surrogates were within QC limits. Please let me know if you need us to re-extract this sample. Extraction holding time expires 6/2/11. Please note, we have already given you preliminary data for this data.

Kelly Perkins
Project Manager
[illegible]hdin Analytical Services
[illegible]nology Way
[illegible]ugh, ME 04074
[illegible]1-2400 Ext. 17

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: Osage
Contact: Shaun Whitworth
Phone #: (757) 408 2349
Fax #: (757) 440-0400
Address: 2618 Colley Ave
City: Norfolk
State: VA
Zip Code: 23517
Purchase Order #:
Proj. Name / No.: Site 6
Katahdin Quote #: 1401-16
Bill (if different than above):
Address:
Sampler (Print / Sign): Shaun Whitworth
Copies To: swhitworth@osageva.com

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER: SE2818

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.	8260 Chlorobenzene (Filt. ☐Y ☐N)	Full TCLP + RIC (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
	Site6-S001	5-18-11/1530	Soil	5	X									
	Site 6-S002	5-18-11/1540	Soil	5	X									
	Site 6-S003	5-18-11/1550	Soil	5	X									
	Site 6-S004	5-18-11/1600	Soil	5	X									
	Site 6-S005	5-18-11/1610	Soil	5	X									
	Site6-IDW-2117	5-19-11/0830	Soil	4		X								
	Site 6-IDW-5526	5-19-11/0840	Soil	4		X								
	Site6-IDW-782	5-19-11/0850	Soil	4		X								
	Site6-IDW-954	5-19-11/0900	Soil	4		X								
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS
* Sample "Site6-S003" is highly contaminated
* All IDW samples may be highly contaminated
* All IDW samples Rush TAT!

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	5-19-11 1300	5/20/11 1000			
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

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

May. 20, 2011
02:23 PM

Login Number: SE2818

Account: OSAGE001 NoWeb
Osage of Virginia, Inc.

Project: OSAGE-LJSITE6
MCB Lejeune Site 6 LCRA

Primary Report Address:
Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue

Norfolk,VA 23517-1132
swhitworth@osageva.com

Primary Invoice Address:
Shaun C. Whitworth
Osage of Virgina, Inc.
2618 Colley Avenue

Norfolk,VA 23517-1132

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: OSAGE-LJSITE6

Login Information:

ANALYSIS INSTRUCTIONS	:	4 day prelims for SE2818-6 thru 13. DoD QSM with DoD limits. ND to LOD. "J" flag between MDL and LOQ.VOA soil in soil jar for -7,9,11,13
CHECK NO.	:	
CLIENT PO#	:	
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	0.3
DELIVERY SERVICES	:	Fed Ex
EDD FORMAT	:	KAS106QC-XLS
LOGIN INITIALS	:	DD
PM	:	KAP
PROJECT NAME	:	MCB Lejeune Site 6 LCRA
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Summary package needs all forms. Send hardcopy, pdf and EDD to Shaun
SDG ID	:	
SDG STATUS	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SE2818-1	SITE6-S001	18-MAY-11 15:30	20-MAY-11			08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	01-JUN-11	40 mL Vial+DI+MEOH		
Solid	S	TS	17-JUN-11	2oz Glass		

SE2818-2	SITE6-S002	18-MAY-11 15:40	20-MAY-11			08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	01-JUN-11	40 mL Vial+DI+MEOH		
Solid	S	TS	17-JUN-11	2oz Glass		

SE2818-3	SITE6-S003	18-MAY-11 15:50	20-MAY-11			08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	01-JUN-11	40 mL Vial+DI+MEOH		sample may be highly contaminated
Solid	S	TS	17-JUN-11	2oz Glass		

SE2818-4	SITE6-S004	18-MAY-11 16:00	20-MAY-11			08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	01-JUN-11	40 mL Vial+DI+MEOH		
Solid	S	TS	17-JUN-11	2oz Glass		

SE2818-5	SITE6-S005	18-MAY-11 16:10	20-MAY-11			08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	01-JUN-11	40 mL Vial+DI+MEOH		
Solid	S	TS	17-JUN-11	2oz Glass		

Total Samples: *13* ***Total Analyses:*** *66*

0000014
KAP 5/20/11

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

May. 20, 2011
02:23 PM

Login Number: SE2818

Account: OSAGE001 NoWeb
Osage of Virginia, Inc.

Project: OSAGE-LJSITE6-WC
MCB Lejeune Site 6 LCRA

Primary Report Address:
Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue

Norfolk,VA 23517-1132
swhitworth@osageva.com

Primary Invoice Address:
Shaun C. Whitworth
Osage of Virgina, Inc.
2618 Colley Avenue

Norfolk,VA 23517-1132

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: OSAGE-LJSITE6-W(

Login Information:

ANALYSIS INSTRUCTIONS	:	4 day prelims for SE2818-6 thru 13. DoD QSM with DoD limits. ND to LOD. "J" flag between MDL and LOQ.VOA soil in soil jar for -7,9,11,13
CHECK NO.	:	
CLIENT PO#	:	
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	0.3
DELIVERY SERVICES	:	Fed Ex
EDD FORMAT	:	KAS106QC-XLS
LOGIN INITIALS	:	DD
PM	:	KAP
PROJECT NAME	:	MCB Lejeune Site 6 LCRA
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Summary package needs all forms. Send hardcopy, pdf and EDD to Shaun
SDG ID	:	
SDG STATUS	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SE2818-6	SITE6-IDW-2117	19-MAY-11 08:30	20-MAY-11		26-MAY-11	08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW1010-IGNITABILITY	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW7.3.4-REAC CYANIDE	02-JUN-11	8oz Glass		
Solid	S	SW7.3.4-REAC SULFIDE	26-MAY-11	8oz Glass		
Solid	S	SW8082-S	02-JUN-11	8oz Glass		
Solid	S	SW9045C-PH SOIL	16-JUN-11	8oz Glass		
Solid	P	TCLP-HERB8151		8oz Glass		
SW1311-EXT-HERB		TCLP-SW8151				
Solid	P	TCLP-METALS		8oz Glass		
SW1311-EXT		SW3010-PREP		TCLP-ARSENIC		
TCLP-BARIUM		TCLP-CADMIUM		TCLP-CHROMIUM		
TCLP-LEAD		TCLP-MERCURY		TCLP-SELENIUM		
TCLP-SILVER						
Solid	P	TCLP-PEST		8oz Glass		
SW1311-EXT-PEST		TCLP-SW8081				
Solid	P	TCLP-SVOA		8oz Glass		
SW1311-EXT-SVOA		TCLP-SW8270				
Solid	P	TCLP-VOA		8oz Glass		
SW1311-EXT-VOA		TCLP-SW8260				
Solid	S	TS	18-JUN-11	8oz Glass		

SE2818-7	SITE6-IDW-2117	19-MAY-11 08:30	20-MAY-11		26-MAY-11	08-JUN-11

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW8270-S	02-JUN-11	8oz Glass		
Solid	S	TS	18-JUN-11			

0000015
KAP 5/20/11

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

May. 20, 2011
02:23 PM

Login Number: SE2818 **Quote/Incoming:** OSAGE-LJSITE6-W(

Account: OSAGE001 NoWeb
Osage of Virginia, Inc.

Project: OSAGE-LJSITE6-WC
MCB Lejeune Site 6 LCRA

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SE2818-8	SITE6-IDW-5526	19-MAY-11 08:40	20-MAY-11		26-MAY-11	08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW1010-IGNITABILITY	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW7.3.4-REAC CYANIDE	02-JUN-11	8oz Glass		
Solid	S	SW7.3.4-REAC SULFIDE	26-MAY-11	8oz Glass		
Solid	S	SW6082-S	02-JUN-11	8oz Glass		
Solid	S	SW9045C-PH SOIL	16-JUN-11	8oz Glass		
Solid	P	TCLP-HERB8151		8oz Glass		
SW1311-EXT-HERB		TCLP-SW8151				
Solid	P	TCLP-METALS		8oz Glass		
SW1311-EXT		SW3010-PREP		TCLP-ARSENIC		
TCLP-BARIUM		TCLP-CADMIUM		TCLP-CHROMIUM		
TCLP-LEAD		TCLP-MERCURY		TCLP-SELENIUM		
TCLP-SILVER						
Solid	P	TCLP-PEST		8oz Glass		
SW1311-EXT-PEST		TCLP-SW8081				
Solid	P	TCLP-SVOA		8oz Glass		
SW1311-EXT-SVOA		TCLP-SW8270				
Solid	P	TCLP-VOA		8oz Glass		
SW1311-EXT-VOA		TCLP-SW8260				
Solid	S	TS	18-JUN-11	8oz Glass		

SE2818-9	SITE6-IDW-5526	19-MAY-11 08:40	20-MAY-11	26-MAY-11	08-JUN-11

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW8270-S	02-JUN-11	8oz Glass		
Solid	S	TS	18-JUN-11			

SE2818-10	SITE6-IDW-782	19-MAY-11 08:50	20-MAY-11	26-MAY-11	08-JUN-11

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW1010-IGNITABILITY	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW7.3.4-REAC CYANIDE	02-JUN-11	8oz Glass		
Solid	S	SW7.3.4-REAC SULFIDE	26-MAY-11	8oz Glass		
Solid	S	SW6082-S	02-JUN-11	8oz Glass		
Solid	S	SW9045C-PH SOIL	16-JUN-11	8oz Glass		
Solid	P	TCLP-HERB8151		8oz Glass		
SW1311-EXT-HERB		TCLP-SW8151				
Solid	P	TCLP-METALS		8oz Glass		
SW1311-EXT		SW3010-PREP		TCLP-ARSENIC		
TCLP-BARIUM		TCLP-CADMIUM		TCLP-CHROMIUM		
TCLP-LEAD		TCLP-MERCURY		TCLP-SELENIUM		
TCLP-SILVER						
Solid	P	TCLP-PEST		8oz Glass		
SW1311-EXT-PEST		TCLP-SW8081				
Solid	P	TCLP-SVOA		8oz Glass		
SW1311-EXT-SVOA		TCLP-SW8270				
Solid	P	TCLP-VOA		8oz Glass		
SW1311-EXT-VOA		TCLP-SW8260				
Solid	S	TS	18-JUN-11	8oz Glass		

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SE2818-11	SITE6-IDW-782	19-MAY-11 08:50	20-MAY-11	26-MAY-11	08-JUN-11

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW8270-S	02-JUN-11	8oz Glass		
Solid	S	TS	18-JUN-11			

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ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

May. 20, 2011
02:23 PM

Login Number: SE2818

Quote/Incoming: OSAGE-LJSITE6-W

Account: OSAGE001 NoWeb
Osage of Virginia, Inc.

Project: OSAGE-LJSITE6-WC
MCB Lejeune Site 6 LCRA

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SE2818-12	SITE6-IDW-954	19-MAY-11 09:00	20-MAY-11		26-MAY-11	08-JUN-11	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW1010-IGNITABILITY	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW7.3.4-REAC CYANIDE	02-JUN-11	8oz Glass		
Solid	S	SW7.3.4-REAC SULFIDE	26-MAY-11	8oz Glass		
Solid	S	SW8082-S	02-JUN-11	8oz Glass		
Solid	S	SW9045C-PH SOIL	16-JUN-11	8oz Glass		
Solid	P	TCLP-HER88151		8oz Glass		
SW1311-EXT-HERB		TCLP-SW8151				
Solid	P	TCLP-METALS		8oz Glass		
SW1311-EXT		SW3010-PREP		TCLP-ARSENIC		
TCLP-BARIUM		TCLP-CADMIUM		TCLP-CHROMIUM		
TCLP-LEAD		TCLP-MERCURY		TCLP-SELENIUM		
TCLP-SILVER						
Solid	P	TCLP-PEST		8oz Glass		
SW1311-EXT-PEST		TCLP-SW8081				
Solid	P	TCLP-SVOA		8oz Glass		
SW1311-EXT-SVOA		TCLP-SW8270				
Solid	P	TCLP-VOA		8oz Glass		
SW1311-EXT-VOA		TCLP-SW8260				
Solid	S	TS	18-JUN-11	8oz Glass		

SE2818-13	SITE6-IDW-954	19-MAY-11 09:00	20-MAY-11	26-MAY-11	08-JUN-11

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW8260-S	02-JUN-11	8oz Glass		sample may be highly contaminated
Solid	S	SW8270-S	02-JUN-11	8oz Glass		
Solid	S	TS	18-JUN-11			

Total Samples: *13* ***Total Analyses:*** *66*

0000017

KAP 5/20/11

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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 – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

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 Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H1 Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H2 Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H3 Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H4 Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

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Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-1DL
Client ID: S1TE6-S001
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	J	170	ug/Kgdrywt	1	5	260	26.	130
p-Bromofluorobenzene		109.	%					
Toluene-D8	*	122.	%					
1,2-Dichloroethane-D4		126.	%					
Dibromofluoromethane		119.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-2DL
Client ID: SITE6-S002
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 93.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		420	ug/Kgdrywt	1	5	290	30.	140
p-Bromofluorobenzene		114.	%					
Toluene-D8	*	124.	%					
1,2-Dichloroethane-D4		127.	%					
Dibromofluoromethane		123.	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-3DL
Client ID: SITE6-S003
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 88.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		2600000	ug/Kgdrywt	1	5	100000	11000	52000
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	120.	%					
1,2-Dichloroethane-D4		125.	%					
Dibromofluoromethane		119.	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-4DL
Client ID: SITE6-S004
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		1000	ug/Kgdrywt	1	5	290	30.	140
p-Bromofluorobenzene		108.	%					
Toluene-D8	*	119.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		117.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-5DL
Client ID: SITE6-S005
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		530	ug/Kgdrywt	1	5	260	26.	130
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	118.	%					
1,2-Dichloroethane-D4		129.	%					
Dibromofluoromethane		118.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7DL2
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 91.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4700	ug/Kgdrywt	1	10	9400	860	4700
Chloromethane	U	4700	ug/Kgdrywt	1	10	9400	1300	4700
Vinyl Chloride	U	4700	ug/Kgdrywt	1	10	9400	820	4700
Bromomethane	U	4700	ug/Kgdrywt	1	10	9400	1000	4700
Chloroethane	U	4700	ug/Kgdrywt	1	10	9400	1200	4700
Trichlorofluoromethane	U	4700	ug/Kgdrywt	1	10	9400	860	4700
1,1-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	870	2400
Carbon Disulfide	U	2400	ug/Kgdrywt	1	5	4700	730	2400
Freon-113	U	2400	ug/Kgdrywt	1	5	4700	850	2400
Methylene Chloride	U	12000	ug/Kgdrywt	1	25	24000	7400	12000
Acetone	U	12000	ug/Kgdrywt	1	25	24000	4800	12000
trans-1,2-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	670	2400
Methyl tert-butyl Ether	U	2400	ug/Kgdrywt	1	5	4700	1000	2400
1,1-Dichloroethane	U	2400	ug/Kgdrywt	1	5	4700	1600	2400
cis-1,2-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
Chloroform	J	1500	ug/Kgdrywt	1	5	4700	330	2400
Carbon Tetrachloride	U	2400	ug/Kgdrywt	1	5	4700	1200	2400
1,1,1-Trichloroethane	U	2400	ug/Kgdrywt	1	5	4700	390	2400
2-Butanone	U	12000	ug/Kgdrywt	1	25	24000	5500	12000
Benzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
Cyclohexane	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
1,2-Dichloroethane	U	2400	ug/Kgdrywt	1	5	4700	940	2400
Trichloroethene	U	2400	ug/Kgdrywt	1	5	4700	550	2400
1,2-Dichloropropane	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
Bromodichloromethane	U	2400	ug/Kgdrywt	1	5	4700	560	2400
cis-1,3-Dichloropropene	U	2400	ug/Kgdrywt	1	5	4700	680	2400
Toluene	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
4-Methyl-2-Pentanone	U	12000	ug/Kgdrywt	1	25	24000	5500	12000
Tetrachloroethene	U	2400	ug/Kgdrywt	1	5	4700	1100	2400
trans-1,3-Dichloropropene	U	2400	ug/Kgdrywt	1	5	4700	810	2400
1,1,2-Trichloroethane	U	2400	ug/Kgdrywt	1	5	4700	910	2400
Dibromochloromethane	U	2400	ug/Kgdrywt	1	5	4700	940	2400
1,2-Dibromoethane	U	2400	ug/Kgdrywt	1	5	4700	1100	2400
2-Hexanone	U	12000	ug/Kgdrywt	1	25	24000	4500	12000
Chlorobenzene		150000	ug/Kgdrywt	1	5	4700	480	2400

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7DL2
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 91.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	2400	ug/Kgdrywt	1	5	4700	610	2400
Styrene	U	2400	ug/Kgdrywt	1	5	4700	480	2400
Bromoform	U	2400	ug/Kgdrywt	1	5	4700	660	2400
Isopropylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
1,1,2,2-Tetrachloroethane	U	2400	ug/Kgdrywt	1	5	4700	790	2400
1,3-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	580	2400
1,4-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	410	2400
1,2-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	730	2400
1,2-Dibromo-3-Chloropropane	U	2400	ug/Kgdrywt	1	5	4700	1400	2400
1,2,4-Trichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	740	2400
Methyl Acetate	U	2800	ug/Kgdrywt	1	5	4700	2500	2800
Methylcyclohexane	U	2400	ug/Kgdrywt	1	5	4700	900	2400
1,2,4-Trimethylbenzene	J	990	ug/Kgdrywt	1	5	4700	820	2400
1,3,5-Trimethylbenzene	U	2400	ug/Kgdrywt	1	5	4700	630	2400
Di-isopropyl ether	U	2400	ug/Kgdrywt	1	5	4700	2000	2400
n-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
sec-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
tert-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	850	2400
m+p-Xylene	U	4700	ug/Kgdrywt	1	10	9400	1600	4700
o-Xylene	U	2400	ug/Kgdrywt	1	5	4700	1200	2400
Naphthalene	J	1200	ug/Kgdrywt	1	5	4700	830	2400
p-Bromofluorobenzene		106.	%					
Toluene-D8		108.	%					
1,2-Dichloroethane-D4		111.	%					
Dibromofluoromethane		107.	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9DL2RA
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2400	ug/Kgdrywt	1	10	4800	440	2400
Chloromethane	U	2400	ug/Kgdrywt	1	10	4800	670	2400
Vinyl Chloride	U	2400	ug/Kgdrywt	1	10	4800	420	2400
Bromomethane	U	2400	ug/Kgdrywt	1	10	4800	530	2400
Chloroethane	U	2400	ug/Kgdrywt	1	10	4800	620	2400
Trichlorofluoromethane	U	2400	ug/Kgdrywt	1	10	4800	440	2400
1,1-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	450	1200
Carbon Disulfide	U	1200	ug/Kgdrywt	1	5	2400	370	1200
Freon-113	U	1200	ug/Kgdrywt	1	5	2400	430	1200
Methylene Chloride	U	6000	ug/Kgdrywt	1	25	12000	3800	6000
Acetone	U	6000	ug/Kgdrywt	1	25	12000	2400	6000
trans-1,2-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Methyl tert-butyl Ether	U	1200	ug/Kgdrywt	1	5	2400	530	1200
1,1-Dichloroethane	U	1200	ug/Kgdrywt	1	5	2400	820	1200
cis-1,2-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
Chloroform	J	180	ug/Kgdrywt	1	5	2400	170	1200
Carbon Tetrachloride	U	1200	ug/Kgdrywt	1	5	2400	620	1200
1,1,1-Trichloroethane	U	1200	ug/Kgdrywt	1	5	2400	200	1200
2-Butanone	U	6000	ug/Kgdrywt	1	25	12000	2800	6000
Benzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
Cyclohexane	U	1200	ug/Kgdrywt	1	5	2400	670	1200
1,2-Dichloroethane	U	1200	ug/Kgdrywt	1	5	2400	480	1200
Trichloroethene	U	1200	ug/Kgdrywt	1	5	2400	280	1200
1,2-Dichloropropane	U	1200	ug/Kgdrywt	1	5	2400	670	1200
Bromodichloromethane	U	1200	ug/Kgdrywt	1	5	2400	290	1200
cis-1,3-Dichloropropene	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Toluene	U	1200	ug/Kgdrywt	1	5	2400	670	1200
4-Methyl-2-Pentanone	U	6000	ug/Kgdrywt	1	25	12000	2800	6000
Tetrachloroethene	U	1200	ug/Kgdrywt	1	5	2400	580	1200
trans-1,3-Dichloropropene	U	1200	ug/Kgdrywt	1	5	2400	410	1200
1,1,2-Trichloroethane	U	1200	ug/Kgdrywt	1	5	2400	460	1200
Dibromochloromethane	U	1200	ug/Kgdrywt	1	5	2400	480	1200
1,2-Dibromoethane	U	1200	ug/Kgdrywt	1	5	2400	580	1200
2-Hexanone	U	6000	ug/Kgdrywt	1	25	12000	2300	6000
Chlorobenzene		65000	ug/Kgdrywt	1	5	2400	240	1200

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9DL2RA
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	310	1200
Styrene	U	1200	ug/Kgdrywt	1	5	2400	240	1200
Bromoform	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Isopropylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
1,1,2,2-Tetrachloroethane	U	1200	ug/Kgdrywt	1	5	2400	400	1200
1,3-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	300	1200
1,4-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	210	1200
1,2-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	370	1200
1,2-Dibromo-3-Chloropropane	U	1200	ug/Kgdrywt	1	5	2400	720	1200
1,2,4-Trichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	380	1200
Methyl Acetate	U	1400	ug/Kgdrywt	1	5	2400	1300	1400
Methylcyclohexane	U	1200	ug/Kgdrywt	1	5	2400	460	1200
1,2,4-Trimethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	420	1200
1,3,5-Trimethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	320	1200
Di-isopropyl ether	U	1200	ug/Kgdrywt	1	5	2400	1000	1200
n-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
sec-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
tert-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	430	1200
m+p-Xylene	U	2400	ug/Kgdrywt	1	10	4800	820	2400
o-Xylene	U	1200	ug/Kgdrywt	1	5	2400	620	1200
Naphthalene	U	1200	ug/Kgdrywt	1	5	2400	420	1200
p-Bromofluorobenzene		107.	%					
Toluene-D8		108.	%					
1,2-Dichloroethane-D4		116.	%					
Dibromofluoromethane		108.	%					

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 94.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	550	ug/Kgdrywt	1	10	1100	100	550
Chloromethane	U	550	ug/Kgdrywt	1	10	1100	150	550
Vinyl Chloride	U	550	ug/Kgdrywt	1	10	1100	96.	550
Bromomethane	U	550	ug/Kgdrywt	1	10	1100	120	550
Chloroethane	U	550	ug/Kgdrywt	1	10	1100	140	550
Trichlorofluoromethane	U	550	ug/Kgdrywt	1	10	1100	100	550
1,1-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	100	280
Carbon Disulfide	U	280	ug/Kgdrywt	1	5	550	86.	280
Freon-113	U	280	ug/Kgdrywt	1	5	550	99.	280
Methylene Chloride	U	1400	ug/Kgdrywt	1	25	2800	870	1400
Acetone	U	1400	ug/Kgdrywt	1	25	2800	560	1400
trans-1,2-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	78.	280
Methyl tert-butyl Ether	U	280	ug/Kgdrywt	1	5	550	120	280
1,1-Dichloroethane	U	280	ug/Kgdrywt	1	5	550	190	280
cis-1,2-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	100	280
Chloroform	J	460	ug/Kgdrywt	1	5	550	38.	280
Carbon Tetrachloride	U	280	ug/Kgdrywt	1	5	550	140	280
1,1,1-Trichloroethane	U	280	ug/Kgdrywt	1	5	550	46.	280
2-Butanone	U	1400	ug/Kgdrywt	1	25	2800	650	1400
Benzene	U	280	ug/Kgdrywt	1	5	550	100	280
Cyclohexane	U	280	ug/Kgdrywt	1	5	550	150	280
1,2-Dichloroethane	U	280	ug/Kgdrywt	1	5	550	110	280
Trichloroethene	U	280	ug/Kgdrywt	1	5	550	65.	280
1,2-Dichloropropane	U	280	ug/Kgdrywt	1	5	550	150	280
Bromodichloromethane	U	280	ug/Kgdrywt	1	5	550	66.	280
cis-1,3-Dichloropropene	U	280	ug/Kgdrywt	1	5	550	79.	280
Toluene	U	280	ug/Kgdrywt	1	5	550	150	280
4-Methyl-2-Pentanone	U	1400	ug/Kgdrywt	1	25	2800	650	1400
Tetrachloroethene	U	280	ug/Kgdrywt	1	5	550	130	280
trans-1,3-Dichloropropene	U	280	ug/Kgdrywt	1	5	550	95.	280
1,1,2-Trichloroethane	U	280	ug/Kgdrywt	1	5	550	110	280
Dibromochloromethane	U	280	ug/Kgdrywt	1	5	550	110	280
1,2-Dibromoethane	U	280	ug/Kgdrywt	1	5	550	130	280
2-Hexanone	U	1400	ug/Kgdrywt	1	25	2800	530	1400
Chlorobenzene		19000	ug/Kgdrywt	1	5	550	56.	280

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 94.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	280	ug/Kgdrywt	1	5	550	72.	280
Styrene	U	280	ug/Kgdrywt	1	5	550	56.	280
Bromoform	U	280	ug/Kgdrywt	1	5	550	77.	280
Isopropylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
1,1,2,2-Tetrachloroethane	U	280	ug/Kgdrywt	1	5	550	92.	280
1,3-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	68.	280
1,4-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	48.	280
1,2-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	86.	280
1,2-Dibromo-3-Chloropropane	U	280	ug/Kgdrywt	1	5	550	160	280
1,2,4-Trichlorobenzene	U	280	ug/Kgdrywt	1	5	550	87.	280
Methyl Acetate	J	490	ug/Kgdrywt	1	5	550	300	330
Methylcyclohexane	U	280	ug/Kgdrywt	1	5	550	100	280
1,2,4-Trimethylbenzene	J	150	ug/Kgdrywt	1	5	550	96.	280
1,3,5-Trimethylbenzene	U	280	ug/Kgdrywt	1	5	550	74.	280
Di-isopropyl ether	U	280	ug/Kgdrywt	1	5	550	230	280
n-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
sec-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
tert-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	99.	280
m+p-Xylene	U	550	ug/Kgdrywt	1	10	1100	190	550
o-Xylene	U	280	ug/Kgdrywt	1	5	550	140	280
Naphthalene	J	150	ug/Kgdrywt	1	5	550	97.	280
p-Bromofluorobenzene		97.9	%					
Toluene-D8		87.7	%					
1,2-Dichloroethane-D4		112.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1200	ug/Kgdrywt	1	10	2300	210	1200
Chloromethane	U	1200	ug/Kgdrywt	1	10	2300	320	1200
Vinyl Chloride	U	1200	ug/Kgdrywt	1	10	2300	200	1200
Bromomethane	U	1200	ug/Kgdrywt	1	10	2300	250	1200
Chloroethane	U	1200	ug/Kgdrywt	1	10	2300	300	1200
Trichlorofluoromethane	U	1200	ug/Kgdrywt	1	10	2300	210	1200
1,1-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	210	580
Carbon Disulfide	U	580	ug/Kgdrywt	1	5	1200	180	580
Freon-113	U	580	ug/Kgdrywt	1	5	1200	210	580
Methylene Chloride	U	2900	ug/Kgdrywt	1	25	5800	1800	2900
Acetone	U	2900	ug/Kgdrywt	1	25	5800	1200	2900
trans-1,2-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	160	580
Methyl tert-butyl Ether	U	580	ug/Kgdrywt	1	5	1200	250	580
1,1-Dichloroethane	U	580	ug/Kgdrywt	1	5	1200	390	580
cis-1,2-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	210	580
Chloroform	J	470	ug/Kgdrywt	1	5	1200	80.	580
Carbon Tetrachloride	U	580	ug/Kgdrywt	1	5	1200	300	580
1,1,1-Trichloroethane	U	580	ug/Kgdrywt	1	5	1200	97.	580
2-Butanone	U	2900	ug/Kgdrywt	1	25	5800	1400	2900
Benzene	U	580	ug/Kgdrywt	1	5	1200	210	580
Cyclohexane	U	580	ug/Kgdrywt	1	5	1200	320	580
1,2-Dichloroethane	U	580	ug/Kgdrywt	1	5	1200	230	580
Trichloroethene	U	580	ug/Kgdrywt	1	5	1200	140	580
1,2-Dichloropropane	U	580	ug/Kgdrywt	1	5	1200	320	580
Bromodichloromethane	U	580	ug/Kgdrywt	1	5	1200	140	580
cis-1,3-Dichloropropene	U	580	ug/Kgdrywt	1	5	1200	160	580
Toluene	U	580	ug/Kgdrywt	1	5	1200	320	580
4-Methyl-2-Pentanone	U	2900	ug/Kgdrywt	1	25	5800	1400	2900
Tetrachloroethene	U	580	ug/Kgdrywt	1	5	1200	280	580
trans-1,3-Dichloropropene	U	580	ug/Kgdrywt	1	5	1200	200	580
1,1,2-Trichloroethane	U	580	ug/Kgdrywt	1	5	1200	220	580
Dibromochloromethane	U	580	ug/Kgdrywt	1	5	1200	230	580
1,2-Dibromoethane	U	580	ug/Kgdrywt	1	5	1200	280	580
2-Hexanone	U	2900	ug/Kgdrywt	1	25	5800	1100	2900
Chlorobenzene		32000	ug/Kgdrywt	1	5	1200	120	580

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	J	290	ug/Kgdrywt	1	5	1200	150	580
Styrene	U	580	ug/Kgdrywt	1	5	1200	120	580
Bromoform	U	580	ug/Kgdrywt	1	5	1200	160	580
Isopropylbenzene		1600	ug/Kgdrywt	1	5	1200	210	580
1,1,2,2-Tetrachloroethane	U	580	ug/Kgdrywt	1	5	1200	190	580
1,3-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	140	580
1,4-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	100	580
1,2-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	180	580
1,2-Dibromo-3-Chloropropane	U	580	ug/Kgdrywt	1	5	1200	340	580
1,2,4-Trichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	180	580
Methyl Acetate	U	690	ug/Kgdrywt	1	5	1200	620	690
Methylcyclohexane	U	580	ug/Kgdrywt	1	5	1200	220	580
1,2,4-Trimethylbenzene		21000	ug/Kgdrywt	1	5	1200	200	580
1,3,5-Trimethylbenzene		8900	ug/Kgdrywt	1	5	1200	150	580
Di-isopropyl ether	U	580	ug/Kgdrywt	1	5	1200	480	580
n-Butylbenzene		1900	ug/Kgdrywt	1	5	1200	210	580
sec-Butylbenzene		1200	ug/Kgdrywt	1	5	1200	210	580
tert-Butylbenzene	U	580	ug/Kgdrywt	1	5	1200	210	580
m+p-Xylene		4200	ug/Kgdrywt	1	10	2300	390	1200
o-Xylene		3700	ug/Kgdrywt	1	5	1200	300	580
Naphthalene		3600	ug/Kgdrywt	1	5	1200	200	580
p-Bromofluorobenzene		93.6	%					
Toluene-D8		87.4	%					
1,2-Dichloroethane-D4		95.7	%					
Dibromofluoromethane		88.0	%					

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Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.29	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2,4-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.19	0.50
1,3,5-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.20	0.50
Di-isopropyl ether	U	0.50	ug/L	1	1	1.0	0.21	0.50
n-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
sec-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.31	0.50
m+p-Xylene	U	1.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Naphthalene	U	0.50	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		102.	%					
Toluene-d8		110.	%					
1,2-Dichloroethane-d4		102.	%					
Dibromofluoromethane		105.	%					

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-4
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
Chloromethane	U	250	ug/Kgdrywt	1	10	500	70.	250
Vinyl Chloride	U	250	ug/Kgdrywt	1	10	500	44.	250
Bromomethane	U	250	ug/Kgdrywt	1	10	500	55.	250
Chloroethane	U	250	ug/Kgdrywt	1	10	500	65.	250
Trichlorofluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
1,1-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Carbon Disulfide	U	120	ug/Kgdrywt	1	5	250	39.	120
Freon-113	U	120	ug/Kgdrywt	1	5	250	45.	120
Methylene Chloride	U	620	ug/Kgdrywt	1	25	1200	400	620
Acetone	U	620	ug/Kgdrywt	1	25	1200	260	620
trans-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	36.	120
Methyl tert-butyl Ether	U	120	ug/Kgdrywt	1	5	250	55.	120
1,1-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	85.	120
cis-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Chloroform	U	120	ug/Kgdrywt	1	5	250	18.	120
Carbon Tetrachloride	U	120	ug/Kgdrywt	1	5	250	65.	120
1,1,1-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	21.	120
2-Butanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Benzene	U	120	ug/Kgdrywt	1	5	250	46.	120
Cyclohexane	U	120	ug/Kgdrywt	1	5	250	70.	120
1,2-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	50.	120
Trichloroethene	U	120	ug/Kgdrywt	1	5	250	30.	120
1,2-Dichloropropane	U	120	ug/Kgdrywt	1	5	250	70.	120
Bromodichloromethane	U	120	ug/Kgdrywt	1	5	250	30.	120
cis-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	36.	120
Toluene	U	120	ug/Kgdrywt	1	5	250	70.	120
4-Methyl-2-Pentanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Tetrachloroethene	U	120	ug/Kgdrywt	1	5	250	60.	120
trans-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	43.	120
1,1,2-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	48.	120
Dibromochloromethane	U	120	ug/Kgdrywt	1	5	250	50.	120
1,2-Dibromoethane	U	120	ug/Kgdrywt	1	5	250	60.	120
2-Hexanone	U	620	ug/Kgdrywt	1	25	1200	240	620

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-4
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
Ethylbenzene	U	120	ug/Kgdrywt	1	5	250	32.	120
Styrene	U	120	ug/Kgdrywt	1	5	250	26.	120
Bromoform	U	120	ug/Kgdrywt	1	5	250	35.	120
Isopropylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
1,1,2,2-Tetrachloroethane	U	120	ug/Kgdrywt	1	5	250	42.	120
1,3-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	31.	120
1,4-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	22.	120
1,2-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	39.	120
1,2-Dibromo-3-Chloropropane	U	120	ug/Kgdrywt	1	5	250	75.	120
1,2,4-Trichlorobenzene	U	120	ug/Kgdrywt	1	5	250	40.	120
Methyl Acetate	U	150	ug/Kgdrywt	1	5	250	140	150
Methylcyclohexane	U	120	ug/Kgdrywt	1	5	250	48.	120
1,2,4-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	44.	120
1,3,5-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	34.	120
Di-isopropyl ether	U	120	ug/Kgdrywt	1	5	250	100	120
n-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
sec-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
tert-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	45.	120
m+p-Xylene	U	250	ug/Kgdrywt	1	10	500	85.	250
o-Xylene	U	120	ug/Kgdrywt	1	5	250	65.	120
Naphthalene	U	120	ug/Kgdrywt	1	5	250	44.	120
p-Bromofluorobenzene		93.5	%					
Toluene-D8		92.2	%					
1,2-Dichloroethane-D4		102.	%					
Dibromofluoromethane		93.9	%					

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Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2,4-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.19	0.50
1,3,5-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.20	0.50
Di-isopropyl ether	U	0.50	ug/L	1	1	1.0	0.21	0.50
n-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
sec-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.31	0.50
m+p-Xylene	U	1.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Naphthalene	U	0.50	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		115.	%					
Toluene-d8	*	131.	%					
1,2-Dichloroethane-d4	*	130.	%					
Dibromofluoromethane	*	130	%					

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
Chloromethane	U	250	ug/Kgdrywt	1	10	500	70.	250
Vinyl Chloride	U	250	ug/Kgdrywt	1	10	500	44.	250
Bromomethane	U	250	ug/Kgdrywt	1	10	500	55.	250
Chloroethane	U	250	ug/Kgdrywt	1	10	500	65.	250
Trichlorofluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
1,1-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Carbon Disulfide	U	120	ug/Kgdrywt	1	5	250	39.	120
Freon-113	U	120	ug/Kgdrywt	1	5	250	45.	120
Methylene Chloride	U	620	ug/Kgdrywt	1	25	1200	400	620
Acetone	J	260	ug/Kgdrywt	1	25	1200	260	620
trans-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	36.	120
Methyl tert-butyl Ether	U	120	ug/Kgdrywt	1	5	250	55.	120
1,1-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	85.	120
cis-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Chloroform	U	120	ug/Kgdrywt	1	5	250	18.	120
Carbon Tetrachloride	U	120	ug/Kgdrywt	1	5	250	65.	120
1,1,1-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	21.	120
2-Butanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Benzene	U	120	ug/Kgdrywt	1	5	250	46.	120
Cyclohexane	U	120	ug/Kgdrywt	1	5	250	70.	120
1,2-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	50.	120
Trichloroethene	U	120	ug/Kgdrywt	1	5	250	30.	120
1,2-Dichloropropane	U	120	ug/Kgdrywt	1	5	250	70.	120
Bromodichloromethane	U	120	ug/Kgdrywt	1	5	250	30.	120
cis-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	36.	120
Toluene	U	120	ug/Kgdrywt	1	5	250	70.	120
4-Methyl-2-Pentanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Tetrachloroethene	U	120	ug/Kgdrywt	1	5	250	60.	120
trans-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	43.	120
1,1,2-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	48.	120
Dibromochloromethane	U	120	ug/Kgdrywt	1	5	250	50.	120
1,2-Dibromoethane	U	120	ug/Kgdrywt	1	5	250	60.	120
2-Hexanone	U	620	ug/Kgdrywt	1	25	1200	240	620

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
Ethylbenzene	U	120	ug/Kgdrywt	1	5	250	32.	120
Styrene	U	120	ug/Kgdrywt	1	5	250	26.	120
Bromoform	U	120	ug/Kgdrywt	1	5	250	35.	120
Isopropylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
1,1,2,2-Tetrachloroethane	U	120	ug/Kgdrywt	1	5	250	42.	120
1,3-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	31.	120
1,4-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	22.	120
1,2-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	39.	120
1,2-Dibromo-3-Chloropropane	U	120	ug/Kgdrywt	1	5	250	75.	120
1,2,4-Trichlorobenzene	U	120	ug/Kgdrywt	1	5	250	40.	120
Methyl Acetate	U	150	ug/Kgdrywt	1	5	250	140	150
Methylcyclohexane	U	120	ug/Kgdrywt	1	5	250	48.	120
1,2,4-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	44.	120
1,3,5-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	34.	120
Di-isopropyl ether	U	120	ug/Kgdrywt	1	5	250	100	120
n-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
sec-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
tert-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	45.	120
m+p-Xylene	U	250	ug/Kgdrywt	1	10	500	85.	250
o-Xylene	U	120	ug/Kgdrywt	1	5	250	65.	120
Naphthalene	U	120	ug/Kgdrywt	1	5	250	44.	120
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	118.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		117.	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92097-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 16:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
P-Bromofluorobenzene		112.	%					
Toluene-d8	*	124.	%					
1,2-Dichloroethane-d4	*	129.	%					
Dibromofluoromethane	*	122.	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92097-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 16:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
p-Bromofluorobenzene		104.	%					
Toluene-D8		112.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		113.	%					

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FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Level:(low/med) MED

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-MEOHBLANK	WG91953-4	94	102	92	93	0
02	SITE6-IDW-782	SE2818-11DL	106	112	88	98	0
03	SITE6-IDW-954	SE2818-13DL	88	96	87	94	0
04	WG92042-MEOHBLANK	WG92042-3	117	122	118*	110	1
05	SITE6-IDW-2117	SE2818-7DL2	107	111	108	106	0
06	SITE6-IDW-5526	SE2818-9DL2RA	108	116	108	107	0
07	WG92097-MEOHBLANK	WG92097-3	113	122	112	104	0
08	SITE6-S001	SE2818-1DL	119	126	122*	109	1
09	SITE6-S002	SE2818-2DL	123	127	124*	114	1
10	SITE6-S004	SE2818-4DL	117	122	119*	108	1
11	SITE6-S005	SE2818-5DL	118	129	118*	110	1
12	SITE6-S003	SE2818-3DL	119	125	120*	110	1
13							
14							
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26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(64-130)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(58-134)
SMC3 (TOL)	= Toluene-D8	(85-115)
SMC4 (BFB)	= P-Bromofluorobenzene	(85-120)

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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-LCS	WG91953-1	84*	80	83*	78	2
02	WG91953-BLANK	WG91953-2	105	102	110	102	0
03	WG92042-LCS	WG92042-1	102	100	100	96	0
04	WG92042-BLANK	WG92042-2	130*	130*	131*	115	3
05	WG92097-LCS	WG92097-1	106	107	106	95	0
06	WG92097-BLANK	WG92097-2	122*	129*	124*	112	3
07							
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		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(85-115)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(70-120)
SMC3 (TOL)	= Toluene-D8	(85-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92042-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 26-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	125.	50.0	62.3	ug/L	50-155
Chloromethane	109.	50.0	54.7	ug/L	40-125
Vinyl Chloride	105.	50.0	52.7	ug/L	50-145
Bromomethane	91.2	50.0	45.6	ug/L	30-145
Chloroethane	104.	50.0	52.1	ug/L	60-135
Trichlorofluoromethane	90.2	50.0	45.1	ug/L	60-145
1,1-Dichloroethene	95.2	50.0	47.6	ug/L	70-130
Carbon Disulfide	88.0	50.0	44.0	ug/L	35-160
Freon-113	90.0	50.0	45.0	ug/L	73-126
Methylene Chloride	99.6	50.0	49.8	ug/L	55-140
Acetone	102.	50.0	51.1	ug/L	40-140
trans-1,2-Dichloroethene	91.4	50.0	45.7	ug/L	60-140
Methyl tert-butyl Ether	102.	100.	102.	ug/L	65-125
1,1-Dichloroethane	98.4	50.0	49.2	ug/L	70-135
cis-1,2-Dichloroethene	92.8	50.0	46.4	ug/L	70-125
Carbon Tetrachloride	83.6	50.0	41.8	ug/L	65-140
1,1,1-Trichloroethane	88.8	50.0	44.4	ug/L	65-130
2-Butanone	110.	50.0	54.8	ug/L	30-150
Benzene	98.2	50.0	49.1	ug/L	80-120
Cyclohexane	100.	50.0	50.1	ug/L	71-133
1,2-Dichloroethane	87.8	50.0	43.9	ug/L	70-130
Trichloroethene	90.0	50.0	45.0	ug/L	70-125
1,2-Dichloropropane	99.0	50.0	49.5	ug/L	75-125
Bromodichloromethane	96.8	50.0	48.4	ug/L	75-120
cis-1,3-Dichloropropene	96.6	50.0	48.3	ug/L	70-130
Toluene	93.6	50.0	46.8	ug/L	75-120
4-Methyl-2-Pentanone	95.8	50.0	47.9	ug/L	60-135
Tetrachloroethene	88.8	50.0	44.4	ug/L	45-150
trans-1,3-Dichloropropene	105.	50.0	52.7	ug/L	55-140
1,1,2-Trichloroethane	101.	50.0	50.6	ug/L	75-125
Dibromochloromethane	78.6	50.0	39.3	ug/L	60-135
1,2-Dibromoethane	90.2	50.0	45.1	ug/L	80-120
2-Hexanone	105.	50.0	52.6	ug/L	55-130
Chlorobenzene	86.0	50.0	43.0	ug/L	80-120
Ethylbenzene	86.4	50.0	43.2	ug/L	75-125

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Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92042-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 26-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Styrene	89.4	50.0	44.7	ug/L	65-135
Isopropylbenzene	99.4	50.0	49.7	ug/L	75-125
1,1,2,2-Tetrachloroethane	93.0	50.0	46.5	ug/L	65-130
1,3-Dichlorobenzene	84.0	50.0	42.0	ug/L	75-125
1,4-Dichlorobenzene	84.2	50.0	42.1	ug/L	75-125
1,2-Dichlorobenzene	83.8	50.0	41.9	ug/L	70-120
1,2-Dibromo-3-Chloropropane	94.8	50.0	47.4	ug/L	50-130
1,2,4-Trichlorobenzene	87.0	50.0	43.5	ug/L	65-135
Methyl Acetate	108.	50.0	53.9	ug/L	70-132
Methylcyclohexane	94.6	50.0	47.3	ug/L	73-125
1,2,4-Trimethylbenzene	84.6	50.0	42.3	ug/L	75-130
1,3,5-Trimethylbenzene	83.8	50.0	41.9	ug/L	75-130
Di-isopropyl ether	111.	50.0	55.7	ug/L	81-123
n-Butylbenzene	94.2	50.0	47.1	ug/L	70-135
sec-Butylbenzene	87.2	50.0	43.6	ug/L	70-125
tert-Butylbenzene	86.8	50.0	43.4	ug/L	70-130
m+p-Xylene	87.6	100.	87.6	ug/L	75-130
o-Xylene	88.2	50.0	44.1	ug/L	80-120
Naphthalene	79.4	50.0	39.7	ug/L	55-140
P-Bromofluorobenzene	96.1				75-120
Toluene-d8	100.				85-120
1,2-Dichloroethane-d4	100.				70-120
Dibromofluoromethane	102.				85-115

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ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	133.	50.0	66.7	ug/L	50-155
Chloromethane	109.	50.0	54.4	ug/L	40-125
Vinyl Chloride	110.	50.0	55.0	ug/L	50-145
Bromomethane	98.0	50.0	49.0	ug/L	30-145
Chloroethane	113.	50.0	56.6	ug/L	60-135
Trichlorofluoromethane	99.6	50.0	49.8	ug/L	60-145
1,1-Dichloroethene	101.	50.0	50.5	ug/L	70-130
Carbon Disulfide	90.8	50.0	45.4	ug/L	35-160
Freon-113	85.8	50.0	42.9	ug/L	73-126
Methylene Chloride	102.	50.0	51.1	ug/L	55-140
Acetone	114.	50.0	57.0	ug/L	40-140
trans-1,2-Dichloroethene	97.4	50.0	48.7	ug/L	60-140
Methyl tert-butyl Ether	90.5	100.	90.5	ug/L	65-125
1,1-Dichloroethane	98.4	50.0	49.2	ug/L	70-135
cis-1,2-Dichloroethene	95.6	50.0	47.8	ug/L	70-125
Carbon Tetrachloride	94.0	50.0	47.0	ug/L	65-140
1,1,1-Trichloroethane	94.6	50.0	47.3	ug/L	65-130
2-Butanone	109.	50.0	54.4	ug/L	30-150
Benzene	99.6	50.0	49.8	ug/L	80-120
Cyclohexane	96.6	50.0	48.3	ug/L	71-133
1,2-Dichloroethane	95.0	50.0	47.5	ug/L	70-130
Trichloroethene	96.2	50.0	48.1	ug/L	70-125
1,2-Dichloropropane	100.	50.0	50.0	ug/L	75-125
Bromodichloromethane	102.	50.0	51.0	ug/L	75-120
cis-1,3-Dichloropropene	102.	50.0	51.1	ug/L	70-130
Toluene	96.8	50.0	48.4	ug/L	75-120
4-Methyl-2-Pentanone	94.6	50.0	47.3	ug/L	60-135
Tetrachloroethene	99.4	50.0	49.7	ug/L	45-150
trans-1,3-Dichloropropene	109.	50.0	54.4	ug/L	55-140
1,1,2-Trichloroethane	102.	50.0	50.8	ug/L	75-125
Dibromochloromethane	86.4	50.0	43.2	ug/L	60-135
1,2-Dibromoethane	98.2	50.0	49.1	ug/L	80-120
2-Hexanone	105.	50.0	52.5	ug/L	55-130
Chlorobenzene	93.2	50.0	46.6	ug/L	80-120
Ethylbenzene	94.0	50.0	47.0	ug/L	75-125

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ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Styrene	95.4	50.0	47.7	ug/L	65-135
Isopropylbenzene	104.	50.0	52.0	ug/L	75-125
1,1,2,2-Tetrachloroethane	93.8	50.0	46.9	ug/L	65-130
1,3-Dichlorobenzene	91.4	50.0	45.7	ug/L	75-125
1,4-Dichlorobenzene	90.0	50.0	45.0	ug/L	75-125
1,2-Dichlorobenzene	90.6	50.0	45.3	ug/L	70-120
1,2-Dibromo-3-Chloropropane	95.8	50.0	47.9	ug/L	50-130
1,2,4-Trichlorobenzene	97.8	50.0	48.9	ug/L	65-135
Methyl Acetate	92.2	50.0	46.1	ug/L	70-132
Methylcyclohexane	81.2	50.0	40.6	ug/L	73-125
1,2,4-Trimethylbenzene	91.8	50.0	45.9	ug/L	75-130
1,3,5-Trimethylbenzene	89.6	50.0	44.8	ug/L	75-130
Di-isopropyl ether	93.4	50.0	46.7	ug/L	81-123
n-Butylbenzene	95.6	50.0	47.8	ug/L	70-135
sec-Butylbenzene	90.2	50.0	45.1	ug/L	70-125
tert-Butylbenzene	91.2	50.0	45.6	ug/L	70-130
m+p-Xylene	91.7	100.	91.7	ug/L	75-130
o-Xylene	95.8	50.0	47.9	ug/L	80-120
Naphthalene	88.8	50.0	44.4	ug/L	55-140
P-Bromofluorobenzene	77.6				75-120
Toluene-d8	* 82.6				85-120
1,2-Dichloroethane-d4	80.4				70-120
Dibromofluoromethane	* 84.3				85-115

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92097-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 27-MAY-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 16:01

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Chlorobenzene	91.4	50.0	45.7	ug/L	80-120
P-Bromofluorobenzene	95.2				75-120
Toluene-d8	106.				85-120
1,2-Dichloroethane-d4	107.				70-120
Dibromofluoromethane	106.				85-115

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FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91953-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2300C Lab Sample ID: WG91953-2

Date Analyzed: 05/24/11 Time Analyzed: 1913

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	WG91953-LCS	WG91953-1	T2298C	05/24/11	1755
02	WG91953-MEOHBLANK	WG91953-4	T2302	05/24/11	2018
03	SITE6-IDW-782	SE2818-11DL	T2305	05/24/11	2156
04	SITE6-IDW-954	SE2818-13DL	T2306	05/24/11	2229
05					
06					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG92042-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2317A Lab Sample ID: WG92042-2

Date Analyzed: 05/25/11 Time Analyzed: 1133

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	WG92042-LCS	WG92042-1	T2315A	05/25/11	1005
02	WG92042-MEOHBLANK	WG92042-3	T2318	05/25/11	1206
03	SITE6-IDW-2117	SE2818-7DL2	T2319	05/25/11	1238
04	SITE6-IDW-5526	SE2818-9DL2RA	T2328	05/25/11	1731
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG92097-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2362A Lab Sample ID: WG92097-2

Date Analyzed: 05/27/11 Time Analyzed: 1122

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	WG92097-LCS	WG92097-1	T2359A	05/27/11	0931
02	WG92097-MEOHBLANK	WG92097-3	T2363	05/27/11	1155
03	SITE6-S001	SE2818-1DL	T2364	05/27/11	1227
04	SITE6-S002	SE2818-2DL	T2365	05/27/11	1259
05	SITE6-S004	SE2818-4DL	T2366	05/27/11	1332
06	SITE6-S005	SE2818-5DL	T2367	05/27/11	1404
07	SITE6-S003	SE2818-3DL	T2368	05/27/11	1437
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09					
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB266 BFB Injection Date: 05/24/11

Instrument ID: GCMS-T BFB Injection Time: 1245

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	20.3
75	30.0 - 60.0% of mass 95	36.6
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	87.0
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	95.0 - 101.0% of mass 174	84.2 (96.9)1
177	5.0 - 9.0% of mass 176	5.3 (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		VSTD050T24C	T2292	05/24/11	1306
02		VSTD200T24A	T2293	05/24/11	1400
03		VSTD100T24A	T2294	05/24/11	1432
04		VSTD020T24A	T2295	05/24/11	1504
05		VSTD005T24A	T2296	05/24/11	1537
06		VSTD001T24A	T2297	05/24/11	1610
07	WG91953-LCS	WG91953-1	T2298C	05/24/11	1755
08		IND CHECK	T2298A	05/24/11	1755
09	WG91953-BLANK	WG91953-2	T2300C	05/24/11	1913
10	WG91953-MEOHBLANK	WG91953-4	T2302	05/24/11	2018
11	SITE6-IDW-782	SE2818-11DL	T2305	05/24/11	2156
12	SITE6-IDW-954	SE2818-13DL	T2306	05/24/11	2229
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB267 BFB Injection Date: 05/25/11

Instrument ID: GCMS-T BFB Injection Time: 0854

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	43.0
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	84.5
175	5.0 - 9.0% of mass 174	6.4 (7.6)1
176	95.0 - 101.0% of mass 174	82.0 (97.0)1
177	5.0 - 9.0% of mass 176	6.7 (8.1)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		VSTD050T25A	T2314	05/25/11	0916
02	WG92042-LCS	WG92042-1	T2315A	05/25/11	1005
03	WG92042-BLANK	WG92042-2	T2317A	05/25/11	1133
04	WG92042-MEOHBLANK	WG92042-3	T2318	05/25/11	1206
05	SITE6-IDW-2117	SE2818-7DL2	T2319	05/25/11	1238
06	SITE6-IDW-5526	SE2818-9DL2RA	T2328	05/25/11	1731
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB269 BFB Injection Date: 05/27/11

Instrument ID: GCMS-T BFB Injection Time: 0733

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	18.3
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	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	80.7
175	5.0 - 9.0% of mass 174	6.8 (8.5)1
176	95.0 - 101.0% of mass 174	80.1 (99.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.1)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		VSTD050T27A	T2357A	05/27/11	0757
02	WG92097-LCS	WG92097-1	T2359A	05/27/11	0931
03	WG92097-BLANK	WG92097-2	T2362A	05/27/11	1122
04	WG92097-MEOHBLANK	WG92097-3	T2363	05/27/11	1155
05	SITE6-S001	SE2818-1DL	T2364	05/27/11	1227
06	SITE6-S002	SE2818-2DL	T2365	05/27/11	1259
07	SITE6-S004	SE2818-4DL	T2366	05/27/11	1332
08	SITE6-S005	SE2818-5DL	T2367	05/27/11	1404
09	SITE6-S003	SE2818-3DL	T2368	05/27/11	1437
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.686	0.919	0.967	0.911	0.866	0.906	AVRG		0.87576737		11.260	15.000	
Chloromethane	0.862	1.216	1.156	1.097	0.954	0.972	AVRG		1.04275947		12.975	15.000	
Vinyl chloride	0.635	0.975	0.811	0.938	0.692	0.888	AVRG		0.82327207		16.563	15.000	<-
Bromomethane	0.484	0.424	0.404	0.378	0.358	0.378	AVRG		0.40443561		11.222	15.000	
Chloroethane	2486	16502	55911	142360	204870	402860	2ORDR	-2.25e-002	2.80419675	1.24054238	0.99804	0.99000	
Trichlorofluoromethane	5565	46727	191270	507840	827550	1737300	LINR	-4.28e-002	0.92807733		0.99843	0.99000	
1,1-Dichloroethene	0.594	0.829	0.794	0.718	0.701	0.688	AVRG		0.72070614		11.553	15.000	
Carbon Disulfide	2.500	2.665	2.446	1.972	2.056	2.045	AVRG		2.28063074		12.770	15.000	
Freon-113	0.445	0.666	0.651	0.673	0.577	0.579	AVRG		0.59846012		14.388	15.000	
Methylene Chloride	8407	37220	125530	325990	550440	1207200	LINR	-2.72e-002	1.34625830		0.99952	0.99000	
Acetone	0.182	0.254	0.214	0.214	0.189	0.194	AVRG		0.20784948		12.617	15.000	
trans-1,2-Dichloroethene	0.689	0.901	0.862	0.836	0.800	0.794	AVRG		0.81382832		8.968	15.000	
Methyl tert-butyl ether	0.720	1.008	0.962	0.968	0.907	0.913	AVRG		0.91300898		11.124	15.000	
1,1-Dichloroethane	1.052	1.442	1.340	1.258	1.171	1.151	AVRG		1.23568903		11.388	15.000	
cis-1,2-Dichloroethene	0.705	0.971	0.909	0.846	0.802	0.779	AVRG		0.83544627		11.355	15.000	
Chloroform	0.975	1.408	1.360	1.284	1.220	1.204	AVRG		1.24184738		12.291	15.000	
Carbon Tetrachloride	2663	28207	131240	354740	628090	1372600	LINR	8.951e-003	1.77280433		0.99982	0.99000	
1,1,1-Trichloroethane	5699	43360	177310	463320	809270	1726900	LINR	-1.98e-002	0.93447951		0.99969	0.99000	
2-Butanone	0.163	0.244	0.225	0.246	0.213	0.200	AVRG		0.21507508		14.398	15.000	
Benzene	1.334	1.919	1.735	1.608	1.480	1.364	AVRG		1.57330956		14.397	15.000	
Cyclohexane	0.908	1.231	1.157	1.062	0.951	0.864	AVRG		1.02887419		14.168	15.000	
1,2-Dichloroethane	0.540	0.670	0.594	0.566	0.572	0.574	AVRG		0.58614875		7.590	15.000	
Trichloroethene	0.420	0.544	0.508	0.448	0.420	0.370	AVRG		0.45168039		14.124	15.000	
1,2-Dichloropropane	0.392	0.471	0.422	0.396	0.355	0.332	AVRG		0.39468762		12.432	15.000	
Bromodichloromethane	0.439	0.650	0.628	0.617	0.588	0.575	AVRG		0.58278541		12.941	15.000	
cis-1,3-dichloropropene	0.549	0.740	0.696	0.672	0.640	0.617	AVRG		0.65236584		10.163	15.000	
Toluene	0.968	1.240	1.120	1.017	0.924	0.827	AVRG		1.01606087		14.412	15.000	
4-methyl-2-pentanone	12592	90947	315160	841190	1290200	2357300	2ORDR	-1.47e-002	3.24747691	0.49365954	0.99990	0.99000	
Tetrachloroethene	0.457	0.593	0.632	0.550	0.538	0.528	AVRG		0.54953771		10.856	15.000	
trans-1,3-Dichloropropene	0.464	0.561	0.533	0.514	0.505	0.489	AVRG		0.51097716		6.612	15.000	
1,1,2-Trichloroethane	0.231	0.300	0.271	0.261	0.232	0.212	AVRG		0.25127123		12.820	15.000	
Dibromochloromethane	3769	26571	106710	299140	530530	1117200	LINR	8.472e-002	1.31859255		0.99676	0.99000	
1,2-Dibromoethane	0.376	0.437	0.405	0.377	0.367	0.364	AVRG		0.38766281		7.301	15.000	
2-Hexanone	0.174	0.263	0.256	0.263	0.250	0.254	AVRG		0.24321084		14.144	15.000	
Chlorobenzene	1.375	1.574	1.539	1.448	1.430	1.435	AVRG		1.46680368		5.096	15.000	
Ethylbenzene	0.644	0.854	0.836	0.766	0.754	0.754	AVRG		0.76796024		9.713	15.000	
Styrene	1.218	1.646	1.588	1.533	1.504	1.520	AVRG		1.50158192		9.874	15.000	
Bromoform	2430	17928	69383	198110	352960	723210	LINR	7.392e-002	2.03456016		0.99791	0.99000	
Isopropylbenzene	3.486	4.671	4.302	3.725	3.500	3.274	AVRG		3.82648255		14.212	15.000	
1,1,2,2-Tetrachloroethane	0.775	0.950	0.872	0.834	0.814	0.770	AVRG		0.83587177		8.075	15.000	
1,3-Dichlorobenzene	2.202	2.520	2.237	2.030	1.934	1.811	AVRG		2.12238693		11.878	15.000	
1,4-Dichlorobenzene	2.372	2.430	2.213	1.960	1.868	1.755	AVRG		2.09957676		13.275	15.000	
1,2-Dichlorobenzene	1.962	2.279	2.056	1.813	1.774	1.656	AVRG		1.92332729		11.666	15.000	
1,2-Dibromo-3-Chloropropa	0.096	0.126	0.124	0.124	0.125	0.125	AVRG		0.12000417		9.993	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2,4-Trichlorobenzene	2875	24748	114680	326140	591220	1125300	LINR	-1.43e-002	0.86379608		0.99850	0.99000
Methyl Acetate	0.389	0.482	0.421	0.459	0.415	0.407	AVRG		0.42892670		8.119	15.000
Methylcyclohexane	6762	45025	157030	451070	668570	1242400	2ORDR	3.649e-003	0.78785922	0.16593319	0.99930	0.99000
1,2,4-Trimethylbenzene	3.409	4.075	3.790	3.334	3.197	3.054	AVRG		3.47666437		11.047	15.000
1,3,5-Trimethylbenzene	3.342	4.133	3.877	3.372	3.154	2.914	AVRG		3.46535951		13.166	15.000
Di-isopropyl ether	1.628	2.330	2.336	2.522	2.271	2.186	AVRG		2.21213765		13.877	15.000
N-Butylbenzene	2.373	3.414	3.378	3.124	2.911	2.703	AVRG		2.98370676		13.555	15.000
sec-Butylbenzene	4.359	5.393	5.162	4.470	4.145	3.779	AVRG		4.55162606		13.494	15.000
tert-Butylbenzene	3.310	4.176	3.953	3.511	3.321	3.003	AVRG		3.54568053		12.389	15.000
m+p-Xylenes	0.814	1.081	1.006	0.902	0.850	0.812	AVRG		0.91081169		12.105	15.000
o-Xylene	0.736	1.041	0.984	0.914	0.901	0.909	AVRG		0.91416744		11.241	15.000
Naphthalene	2154	23415	142690	442430	852820	1667800	LINR	2.329e-002	0.58156796		0.99898	0.99000
Dibromofluoromethane	0.579	0.757	0.748	0.752	0.678	0.654	AVRG		0.69462076		10.239	15.000
1,2-Dichloroethane-D4	0.540	0.669	0.615	0.644	0.613	0.581	AVRG		0.61044768		7.474	15.000
Toluene-D8	1.183	1.553	1.377	1.335	1.214	1.092	AVRG		1.29224190		12.731	15.000
P-Bromofluorobenzene	0.601	0.628	0.532	0.528	0.478	0.435	AVRG		0.53370124		13.562	15.000

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.8760000	0.8264200	0.8264200	0.01	-5.66	20.00	AVRG	
Chloromethane	1.0430000	1.0893000	1.0893000	0.1	4.44	20.00	AVRG	
Vinyl chloride	0.8230000	0.8896500	0.8896500	0.01	8.10	20.00	AVRG	
Bromomethane	0.4040000	0.3283100	0.3283100	0.01	-18.74	20.00	AVRG	
Chloroethane	50.962000	50.000000	0.3248300	0.01	1.92		2RDR	
Trichlorofluoromethane	46.641000	50.000000	1.0513000	0.01	-6.72		LINR	
1,1-Dichloroethene	0.7210000	0.6061000	0.6061000	0.01	-15.94	20.00	AVRG	
Carbon Disulfide	2.2810000	1.7628000	1.7628000	0.01	-22.72	20.00	AVRG	<-
Freon-113	0.5980000	0.5259500	0.5259500	0.01	-12.05	20.00	AVRG	
Methylene Chloride	49.693000	50.000000	0.7584500	0.01	-0.61		LINR	
Acetone	0.2080000	0.1715500	0.1715500	0.01	-17.52	20.00	AVRG	
trans-1,2-Dichloroethene	0.8140000	0.7512400	0.7512400	0.01	-7.71	20.00	AVRG	
Methyl tert-butyl ether	0.9130000	0.9368400	0.9368400	0.01	2.61	20.00	AVRG	
1,1-Dichloroethane	1.2360000	1.1885000	1.1885000	0.1	-3.84	20.00	AVRG	
cis-1,2-Dichloroethene	0.8350000	0.7745300	0.7745300	0.01	-7.24	20.00	AVRG	
Chloroform	1.2420000	1.1893000	1.1893000	0.01	-4.24	20.00	AVRG	
Carbon Tetrachloride	39.137000	50.000000	0.4364700	0.01	-21.73		LINR	
1,1,1-Trichloroethane	44.283000	50.000000	0.9689800	0.01	-11.43		LINR	
2-Butanone	0.2150000	0.2445700	0.2445700	0.01	13.75	20.00	AVRG	
Benzene	1.5730000	1.5394000	1.5394000	0.01	-2.14	20.00	AVRG	
Cyclohexane	1.0290000	1.0016000	1.0016000	0.01	-2.66	20.00	AVRG	
1,2-Dichloroethane	0.5860000	0.4950100	0.4950100	0.01	-15.53	20.00	AVRG	
Trichloroethene	0.4520000	0.4122600	0.4122600	0.01	-8.79	20.00	AVRG	
1,2-Dichloropropane	0.3950000	0.3845500	0.3845500	0.01	-2.64	20.00	AVRG	
Bromodichloromethane	0.5830000	0.5486300	0.5486300	0.01	-5.90	20.00	AVRG	
cis-1,3-dichloropropene	0.6520000	0.6339000	0.6339000	0.01	-2.78	20.00	AVRG	
Toluene	1.0160000	0.9426500	0.9426500	0.01	-7.22	20.00	AVRG	
4-methyl-2-pentanone	268.02000	250.00000	0.2739800	0.01	7.21		2RDR	
Tetrachloroethene	0.5500000	0.4687800	0.4687800	0.01	-14.77	20.00	AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

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
trans-1,3-Dichloropropene	0.5110000	0.4724100	0.4724100	0.01	-7.55	20.00	AVRG
1,1,2-Trichloroethane	0.2510000	0.2548200	0.2548200	0.01	1.52	20.00	AVRG
Dibromochloromethane	37.533000	50.000000	0.5050300	0.01	-24.93		LINR
1,2-Dibromoethane	0.3880000	0.3363600	0.3363600	0.01	-13.31	20.00	AVRG
2-Hexanone	0.2430000	0.2465800	0.2465800	0.01	1.47	20.00	AVRG
Chlorobenzene	1.4670000	1.2261000	1.2261000	0.3	-16.42	20.00	AVRG
Ethylbenzene	0.7680000	0.6530800	0.6530800	0.01	-14.96	20.00	AVRG
Styrene	1.5020000	1.3284000	1.3284000	0.01	-11.56	20.00	AVRG
Bromoform	37.890000	50.000000	0.3361300	0.1	-24.22		LINR
Isopropylbenzene	3.8260000	3.2070000	3.2070000	0.01	-16.18	20.00	AVRG
1,1,2,2-Tetrachloroethane	0.8360000	0.7906600	0.7906600	0.3	-5.42	20.00	AVRG
1,3-Dichlorobenzene	2.1220000	1.7396000	1.7396000	0.01	-18.02	20.00	AVRG
1,4-Dichlorobenzene	2.1000000	1.7078000	1.7078000	0.01	-18.68	20.00	AVRG
1,2-Dichlorobenzene	1.9230000	1.5744000	1.5744000	0.01	-18.13	20.00	AVRG
1,2-Dibromo-3-Chloropropane	0.1200000	9.74e-002	9.74e-002	0.01	-18.83	20.00	AVRG
1,2,4-Trichlorobenzene	39.915000	50.000000	0.9407700	0.01	-20.17		LINR
Methyl Acetate	0.4290000	0.4762000	0.4762000	0.01	11.00	20.00	AVRG
Methylcyclohexane	46.201000	50.000000	0.9700100	0.01	-7.60		2RDR
1,2,4-Trimethylbenzene	3.4760000	2.9335000	2.9335000	0.01	-15.61	20.00	AVRG
1,3,5-Trimethylbenzene	3.4650000	2.9463000	2.9463000	0.01	-14.97	20.00	AVRG
Di-isopropyl ether	2.2120000	2.5190000	2.5190000	0.01	13.88	20.00	AVRG
N-Butylbenzene	2.9840000	2.7941000	2.7941000	0.01	-6.36	20.00	AVRG
sec-Butylbenzene	4.5510000	3.9083000	3.9083000	0.01	-14.12	20.00	AVRG
tert-Butylbenzene	3.5460000	2.9834000	2.9834000	0.01	-15.87	20.00	AVRG
m+p-Xylenes	0.9110000	0.7841800	0.7841800	0.01	-13.92	20.00	AVRG
o-Xylene	0.9140000	0.7804800	0.7804800	0.01	-14.61	20.00	AVRG
Naphthalene	38.442000	50.000000	1.2820000	0.01	-23.12		LINR
Dibromofluoromethane	0.6950000	0.5923200	0.5923200	0.01	-14.77	20.00	AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dichloroethane-D4	0.6100000	0.5143500	0.5143500	0.01	-15.68	20.00	AVRG
Toluene-D8	1.2920000	1.0922000	1.0922000	0.01	-15.46	20.00	AVRG
P-Bromofluorobenzene	0.5340000	0.4340600	0.4340600	0.01	-18.72	20.00	AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/27/11 Time: 0757

Lab File ID: T2357A Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

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	
Chlorobenzene	1.4670000	1.3559000	0.3	-7.57	20.00	AVRG	
Dibromofluoromethane	0.6950000	0.8142500	0.01	17.16	20.00	AVRG	
1,2-Dichloroethane-D4	0.6100000	0.7626300	0.01	25.02	20.00	AVRG	<-
Toluene-D8	1.2920000	1.4931000	0.01	15.56	20.00	AVRG	
P-Bromofluorobenzene	0.5340000	0.5686500	0.01	6.49	20.00	AVRG	

FORM VII PEST

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2292 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1306

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	409515	9.89	637773	10.55	477924	14.10
UPPER LIMIT	819030	10.39	1275546	11.05	955848	14.60
LOWER LIMIT	204758	9.39	318887	10.05	238962	13.60

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	417431	9.88	628934	10.55	485875	14.09
02	WG91953-BLANK	WG91953-2	349701	9.87	508528	10.54	429238	14.09
03	WG91953-MEOHBLANK	WG91953-4	338397	9.86	505742	10.53	420311	14.08
04	SITE6-IDW-782	SE2818-11DL	348918	9.87	542230	10.54	425970	14.09
05	SITE6-IDW-954	SE2818-13DL	389199	9.87	579018	10.54	445736	14.09
06		VSTD050T25A	408431	9.88	639921	10.54	508373	14.09
07	WG92042-LCS	WG92042-1	412993	9.87	637259	10.54	504387	14.09
08	WG92042-BLANK	WG92042-2	365688	9.88	555547	10.54	473356	14.09
09	WG92042-MEOHBLANK	WG92042-3	362213	9.87	535569	10.53	465761	14.09
10	SITE6-IDW-2117	SE2818-7DL2	394747	9.88	607787	10.54	491115	14.10
11	SITE6-IDW-5526	SE2818-9DL2RA	377282	9.87	577114	10.54	476079	14.09
12		VSTD050T27A	377710	9.86	577527	10.53	465164	14.08
13	WG92097-LCS	WG92097-1	422679	9.88	637562	10.54	513506	14.09
14	WG92097-BLANK	WG92097-2	380414	9.87	568555	10.53	482496	14.09
15	WG92097-MEOHBLANK	WG92097-3	355868	9.86	533100	10.54	459831	14.08
16	SITE6-S001	SE2818-1DL	366562	9.87	542055	10.54	478001	14.08
17	SITE6-S002	SE2818-2DL	368178	9.87	547628	10.54	481833	14.08
18	SITE6-S004	SE2818-4DL	388674	9.87	576590	10.53	506651	14.09
19	SITE6-S005	SE2818-5DL	384281	9.87	586860	10.54	505228	14.09
20	SITE6-S003	SE2818-3DL	387818	9.87	586006	10.54	496796	14.09

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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2292 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1306

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	274556	17.28				
UPPER LIMIT	549112	17.78				
LOWER LIMIT	137278	16.78				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	272425	17.27				
02	WG91953-BLANK	WG91953-2	220386	17.26				
03	WG91953-MEOHBLANK	WG91953-4	227331	17.25				
04	SITE6-IDW-782	SE2818-11DL	238643	17.26				
05	SITE6-IDW-954	SE2818-13DL	230436	17.26				
06		VSTD050T25A	278310	17.27				
07	WG92042-LCS	WG92042-1	278751	17.27				
08	WG92042-BLANK	WG92042-2	229570	17.27				
09	WG92042-MEOHBLANK	WG92042-3	230717	17.26				
10	SITE6-IDW-2117	SE2818-7DL2	256771	17.27				
11	SITE6-IDW-5526	SE2818-9DL2RA	240902	17.26				
12		VSTD050T27A	263738	17.26				
13	WG92097-LCS	WG92097-1	281007	17.27				
14	WG92097-BLANK	WG92097-2	230923	17.26				
15	WG92097-MEOHBLANK	WG92097-3	224330	17.27				
16	SITE6-S001	SE2818-1DL	229088	17.27				
17	SITE6-S002	SE2818-2DL	234590	17.27				
18	SITE6-S004	SE2818-4DL	250857	17.26				
19	SITE6-S005	SE2818-5DL	267786	17.26				
20	SITE6-S003	SE2818-3DL	242032	17.26				

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

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	270	ug/Kgdrywt	1	330	360	170	270
Bis(2-Chloroethyl) Ether	U	270	ug/Kgdrywt	1	330	360	89.	270
2-Chlorophenol	U	270	ug/Kgdrywt	1	330	360	180	270
1,3-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	86.	270
1,4-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	95.	270
1,2-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	97.	270
2,2'-Oxybis(1-Chloropropane)	U	270	ug/Kgdrywt	1	330	360	98.	270
2-Methylphenol	U	270	ug/Kgdrywt	1	330	360	220	270
n-Nitroso-di-n-propylamine	U	270	ug/Kgdrywt	1	330	360	91.	270
3&4-Methylphenol	U	270	ug/Kgdrywt	1	330	360	200	270
Hexachloroethane	U	270	ug/Kgdrywt	1	330	360	100	270
Nitrobenzene	U	270	ug/Kgdrywt	1	330	360	100	270
Isophorone	U	270	ug/Kgdrywt	1	330	360	83.	270
2-Nitrophenol	U	270	ug/Kgdrywt	1	330	360	180	270
2,4-Dimethylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
Bis(2-chloroethoxy)methane	U	270	ug/Kgdrywt	1	330	360	100	270
2,4-Dichlorophenol	U	270	ug/Kgdrywt	1	330	360	160	270
1,2,4-Trichlorobenzene	U	270	ug/Kgdrywt	1	330	360	89.	270
Naphthalene	J	140	ug/Kgdrywt	1	330	360	96.	270
4-Chloroaniline	U	270	ug/Kgdrywt	1	330	360	130	270
Hexachlorobutadiene	U	270	ug/Kgdrywt	1	330	360	91.	270
4-Chloro-3-methylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
2-Methylnaphthalene	U	270	ug/Kgdrywt	1	330	360	100	270
Hexachlorocyclopentadiene	U	270	ug/Kgdrywt	1	330	360	90.	270
2,4,6-Trichlorophenol	U	270	ug/Kgdrywt	1	330	360	170	270
2,4,5-Trichlorophenol	U	680	ug/Kgdrywt	1	820	900	170	680
2-Chloronaphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
2-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	83.	680
Dimethyl phthalate	U	270	ug/Kgdrywt	1	330	360	86.	270
2,6-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	87.	270
Acenaphthylene	U	270	ug/Kgdrywt	1	330	360	77.	270
3-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	100	680
Acenaphthene	U	270	ug/Kgdrywt	1	330	360	72.	270
2,4-Dinitrophenol	U	680	ug/Kgdrywt	1	820	900	420	680
Dibenzofuran	U	270	ug/Kgdrywt	1	330	360	87.	270

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	680	ug/Kgdrywt	1	820	900	340	680
2,4-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	94.	270
Diethylphthalate	U	270	ug/Kgdrywt	1	330	360	88.	270
Fluorene	U	270	ug/Kgdrywt	1	330	360	89.	270
4-Chlorophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	86.	270
4-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	150	680
4,6-Dinitro-2-methylphenol	U	680	ug/Kgdrywt	1	820	900	370	680
n-Nitrosodiphenylamine	U	270	ug/Kgdrywt	1	330	360	240	270
4-Bromophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	94.	270
Hexachlorobenzene	U	270	ug/Kgdrywt	1	330	360	90.	270
Pentachlorophenol	U	680	ug/Kgdrywt	1	820	900	260	680
Phenanthrene	U	270	ug/Kgdrywt	1	330	360	91.	270
Anthracene	U	270	ug/Kgdrywt	1	330	360	92.	270
Carbazole	U	270	ug/Kgdrywt	1	330	360	120	270
Di-n-butylphthalate	U	270	ug/Kgdrywt	1	330	360	110	270
Fluoranthene	U	270	ug/Kgdrywt	1	330	360	120	270
Pyrene	U	270	ug/Kgdrywt	1	330	360	110	270
Butylbenzylphthalate	U	270	ug/Kgdrywt	1	330	360	100	270
Benzo(a)anthracene	U	270	ug/Kgdrywt	1	330	360	95.	270
3,3'-Dichlorobenzidine	U	270	ug/Kgdrywt	1	330	360	120	270
Chrysene	U	270	ug/Kgdrywt	1	330	360	100	270
Bis(2-ethylhexyl)phthalate	JB	200	ug/Kgdrywt	1	330	360	110	270
Di-n-octylphthalate	U	270	ug/Kgdrywt	1	330	360	230	270
Benzo(b)fluoranthene	U	270	ug/Kgdrywt	1	330	360	150	270
Benzo(k)fluoranthene	U	270	ug/Kgdrywt	1	330	360	91.	270
Benzo(a)pyrene	U	270	ug/Kgdrywt	1	330	360	100	270
Indeno(1,2,3-cd)pyrene	J	140	ug/Kgdrywt	1	330	360	130	270
Dibenzo(a,h)anthracene	U	270	ug/Kgdrywt	1	330	360	140	270
Benzo(g,h,i)perylene	J	200	ug/Kgdrywt	1	330	360	110	270
2-Fluorophenol		45.8						
Phenol-d6		57.2						
Nitrobenzene-d5		49.3						
2-Fluorobiphenyl		63.6						
2,4,6-Tribromophenol	*	25.8						
Terphenyl-d14		58.7						

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	270	ug/Kgdrywt	1	330	360	170	270
Bis(2-Chloroethyl) Ether	U	270	ug/Kgdrywt	1	330	360	90.	270
2-Chlorophenol	U	270	ug/Kgdrywt	1	330	360	180	270
1,3-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	86.	270
1,4-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	95.	270
1,2-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	97.	270
2,2'-Oxybis(1-Chloropropane)	U	270	ug/Kgdrywt	1	330	360	98.	270
2-Methylphenol	U	270	ug/Kgdrywt	1	330	360	220	270
n-Nitroso-di-n-propylamine	U	270	ug/Kgdrywt	1	330	360	92.	270
3&4-Methylphenol	U	270	ug/Kgdrywt	1	330	360	210	270
Hexachloroethane	U	270	ug/Kgdrywt	1	330	360	110	270
Nitrobenzene	U	270	ug/Kgdrywt	1	330	360	100	270
Isophorone	U	270	ug/Kgdrywt	1	330	360	83.	270
2-Nitrophenol	U	270	ug/Kgdrywt	1	330	360	180	270
2,4-Dimethylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
Bis(2-chloroethoxy)methane	U	270	ug/Kgdrywt	1	330	360	110	270
2,4-Dichlorophenol	U	270	ug/Kgdrywt	1	330	360	160	270
1,2,4-Trichlorobenzene	U	270	ug/Kgdrywt	1	330	360	90.	270
Naphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
4-Chloroaniline	U	270	ug/Kgdrywt	1	330	360	130	270
Hexachlorobutadiene	U	270	ug/Kgdrywt	1	330	360	92.	270
4-Chloro-3-methylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
2-Methylnaphthalene	U	270	ug/Kgdrywt	1	330	360	100	270
Hexachlorocyclopentadiene	U	270	ug/Kgdrywt	1	330	360	91.	270
2,4,6-Trichlorophenol	U	270	ug/Kgdrywt	1	330	360	170	270
2,4,5-Trichlorophenol	U	680	ug/Kgdrywt	1	820	910	170	680
2-Chloronaphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
2-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	83.	680
Dimethyl phthalate	U	270	ug/Kgdrywt	1	330	360	86.	270
2,6-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	87.	270
Acenaphthylene	U	270	ug/Kgdrywt	1	330	360	77.	270
3-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	100	680
Acenaphthene	U	270	ug/Kgdrywt	1	330	360	72.	270
2,4-Dinitrophenol	U	680	ug/Kgdrywt	1	820	910	420	680
Dibenzofuran	U	270	ug/Kgdrywt	1	330	360	87.	270

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	680	ug/Kgdrywt	1	820	910	340	680
2,4-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	94.	270
Diethylphthalate	U	270	ug/Kgdrywt	1	330	360	88.	270
Fluorene	U	270	ug/Kgdrywt	1	330	360	90.	270
4-Chlorophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	86.	270
4-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	150	680
4,6-Dinitro-2-methylphenol	U	680	ug/Kgdrywt	1	820	910	370	680
n-Nitrosodiphenylamine	U	270	ug/Kgdrywt	1	330	360	240	270
4-Bromophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	94.	270
Hexachlorobenzene	U	270	ug/Kgdrywt	1	330	360	91.	270
Pentachlorophenol	U	680	ug/Kgdrywt	1	820	910	260	680
Phenanthrene	U	270	ug/Kgdrywt	1	330	360	92.	270
Anthracene	U	270	ug/Kgdrywt	1	330	360	93.	270
Carbazole	U	270	ug/Kgdrywt	1	330	360	120	270
Di-n-butylphthalate	U	270	ug/Kgdrywt	1	330	360	110	270
Fluoranthene	U	270	ug/Kgdrywt	1	330	360	120	270
Pyrene	U	270	ug/Kgdrywt	1	330	360	110	270
Butylbenzylphthalate	U	270	ug/Kgdrywt	1	330	360	100	270
Benzo(a)anthracene	U	270	ug/Kgdrywt	1	330	360	95.	270
3,3'-Dichlorobenzidine	U	270	ug/Kgdrywt	1	330	360	130	270
Chrysene	U	270	ug/Kgdrywt	1	330	360	100	270
Bis(2-ethylhexyl)phthalate	JB	140	ug/Kgdrywt	1	330	360	110	270
Di-n-octylphthalate	U	270	ug/Kgdrywt	1	330	360	230	270
Benzo(b)fluoranthene	U	270	ug/Kgdrywt	1	330	360	150	270
Benzo(k)fluoranthene	J	100	ug/Kgdrywt	1	330	360	92.	270
Benzo(a)pyrene	J	190	ug/Kgdrywt	1	330	360	100	270
Indeno(1,2,3-cd)pyrene	J	250	ug/Kgdrywt	1	330	360	130	270
Dibenzo(a,h)anthracene	U	270	ug/Kgdrywt	1	330	360	140	270
Benzo(g,h,i)perylene		410	ug/Kgdrywt	1	330	360	110	270
2-Fluorophenol	*	23.2						
Phenol-d6		42.4						
Nitrobenzene-d5		51.6						
2-Fluorobiphenyl		68.5						
2,4,6-Tribromophenol	*	6.14						
Terphenyl-d14		69.0						

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethyl) Ether	U	250	ug/Kgdrywt	1	330	330	82.	250
2-Chlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
1,3-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	79.	250
1,4-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	87.	250
1,2-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	89.	250
2,2'-Oxybis(1-Chloropropane)	U	250	ug/Kgdrywt	1	330	330	90.	250
2-Methylphenol	U	250	ug/Kgdrywt	1	330	330	200	250
n-Nitroso-di-n-propylamine	U	250	ug/Kgdrywt	1	330	330	84.	250
3&4-Methylphenol	U	250	ug/Kgdrywt	1	330	330	190	250
Hexachloroethane	U	250	ug/Kgdrywt	1	330	330	97.	250
Nitrobenzene	U	250	ug/Kgdrywt	1	330	330	92.	250
Isophorone	U	250	ug/Kgdrywt	1	330	330	76.	250
2-Nitrophenol	U	250	ug/Kgdrywt	1	330	330	170	250
2,4-Dimethylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
Bis(2-chloroethoxy)methane	U	250	ug/Kgdrywt	1	330	330	97.	250
2,4-Dichlorophenol	U	250	ug/Kgdrywt	1	330	330	150	250
1,2,4-Trichlorobenzene	U	250	ug/Kgdrywt	1	330	330	82.	250
Naphthalene	U	250	ug/Kgdrywt	1	330	330	88.	250
4-Chloroaniline	U	250	ug/Kgdrywt	1	330	330	120	250
Hexachlorobutadiene	U	250	ug/Kgdrywt	1	330	330	84.	250
4-Chloro-3-methylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
2-Methylnaphthalene	U	250	ug/Kgdrywt	1	330	330	93.	250
Hexachlorocyclopentadiene	U	250	ug/Kgdrywt	1	330	330	83.	250
2,4,6-Trichlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
2,4,5-Trichlorophenol	U	620	ug/Kgdrywt	1	820	830	160	620
2-Chloronaphthalene	U	250	ug/Kgdrywt	1	330	330	88.	250
2-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	76.	620
Dimethyl phthalate	U	250	ug/Kgdrywt	1	330	330	79.	250
2,6-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	80.	250
Acenaphthylene	U	250	ug/Kgdrywt	1	330	330	71.	250
3-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	95.	620
Acenaphthene	U	250	ug/Kgdrywt	1	330	330	66.	250
2,4-Dinitrophenol	U	620	ug/Kgdrywt	1	820	830	380	620
Dibenzofuran	U	250	ug/Kgdrywt	1	330	330	80.	250

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	620	ug/Kgdrywt	1	820	830	310	620
2,4-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	86.	250
Diethylphthalate	U	250	ug/Kgdrywt	1	330	330	81.	250
Fluorene	U	250	ug/Kgdrywt	1	330	330	82.	250
4-Chlorophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	79.	250
4-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	140	620
4,6-Dinitro-2-methylphenol	U	620	ug/Kgdrywt	1	820	830	340	620
n-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	330	220	250
4-Bromophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	86.	250
Hexachlorobenzene	U	250	ug/Kgdrywt	1	330	330	83.	250
Pentachlorophenol	U	620	ug/Kgdrywt	1	820	830	240	620
Phenanthrene	U	250	ug/Kgdrywt	1	330	330	84.	250
Anthracene	U	250	ug/Kgdrywt	1	330	330	85.	250
Carbazole	U	250	ug/Kgdrywt	1	330	330	110	250
Di-n-butylphthalate	U	250	ug/Kgdrywt	1	330	330	100	250
Fluoranthene	U	250	ug/Kgdrywt	1	330	330	110	250
Pyrene	U	250	ug/Kgdrywt	1	330	330	100	250
Butylbenzylphthalate	U	250	ug/Kgdrywt	1	330	330	94.	250
Benzo(a)anthracene	U	250	ug/Kgdrywt	1	330	330	87.	250
3,3'-Dichlorobenzidine	U	250	ug/Kgdrywt	1	330	330	120	250
Chrysene	U	250	ug/Kgdrywt	1	330	330	96.	250
Bis(2-ethylhexyl)phthalate	JB	110	ug/Kgdrywt	1	330	330	99.	250
Di-n-octylpbthalate	U	250	ug/Kgdrywt	1	330	330	210	250
Benzo(b)fluoranthene	U	250	ug/Kgdrywt	1	330	330	140	250
Benzo(k)fluoranthene	U	250	ug/Kgdrywt	1	330	330	84.	250
Benzo(a)pyrene	U	250	ug/Kgdrywt	1	330	330	94.	250
Indeno(1,2,3-cd)pyrene	U	250	ug/Kgdrywt	1	330	330	120	250
Dibenzo(a,h)anthracene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(g,h,i)perylene	J	200	ug/Kgdrywt	1	330	330	100	250
2-Fluorophenol		43.4						
Phenol-d6		54.5						
Nitrobenzene-d5		47.4						
2-Fluorobiphenyl		59.0						
2,4,6-Tribromophenol	*	27.6						
Terphenyl-d14		66.1						

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	260	ug/Kgdrywt	1	330	350	160	260
Bis(2-Chloroethyl) Ether	U	260	ug/Kgdrywt	1	330	350	86.	260
2-Chlorophenol	U	260	ug/Kgdrywt	1	330	350	170	260
1,3-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	83.	260
1,4-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	91.	260
1,2-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	94.	260
2,2'-Oxybis(1-Chloropropane)	U	260	ug/Kgdrywt	1	330	350	95.	260
2-Methylphenol	U	260	ug/Kgdrywt	1	330	350	210	260
n-Nitroso-di-n-propylamine	U	260	ug/Kgdrywt	1	330	350	88.	260
3&4-Methylphenol	U	260	ug/Kgdrywt	1	330	350	200	260
Hexachloroethane	U	260	ug/Kgdrywt	1	330	350	100	260
Nitrobenzene	U	260	ug/Kgdrywt	1	330	350	97.	260
Isophorone	U	260	ug/Kgdrywt	1	330	350	80.	260
2-Nitrophenol	U	260	ug/Kgdrywt	1	330	350	180	260
2,4-Dimethylphenol	U	260	ug/Kgdrywt	1	330	350	180	260
Bis(2-chloroethoxy)methane	U	260	ug/Kgdrywt	1	330	350	100	260
2,4-Dichlorophenol	U	260	ug/Kgdrywt	1	330	350	160	260
1,2,4-Trichlorobenzene	U	260	ug/Kgdrywt	1	330	350	86.	260
Naphthalene	E	4700	ug/Kgdrywt	1	330	350	92.	260
4-Chloroaniline	U	260	ug/Kgdrywt	1	330	350	130	260
Hexachlorobutadiene	U	260	ug/Kgdrywt	1	330	350	88.	260
4-Chloro-3-methylphenol	U	260	ug/Kgdrywt	1	330	350	180	260
2-Methylnaphthalene		950	ug/Kgdrywt	1	330	350	98.	260
Hexachlorocyclopentadiene	U	260	ug/Kgdrywt	1	330	350	87.	260
2,4,6-Trichlorophenol	U	260	ug/Kgdrywt	1	330	350	160	260
2,4,5-Trichlorophenol	U	650	ug/Kgdrywt	1	820	870	160	650
2-Chloronaphthalene	U	260	ug/Kgdrywt	1	330	350	92.	260
2-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	80.	650
Dimethyl phthalate	U	260	ug/Kgdrywt	1	330	350	83.	260
2,6-Dinitrotoluene	U	260	ug/Kgdrywt	1	330	350	84.	260
Acenaphthylene	U	260	ug/Kgdrywt	1	330	350	74.	260
3-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	100	650
Acenaphthene	U	260	ug/Kgdrywt	1	330	350	69.	260
2,4-Dinitrophenol	U	650	ug/Kgdrywt	1	820	870	400	650
Dibenzofuran	U	260	ug/Kgdrywt	1	330	350	84.	260

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	650	ug/Kgdrywt	1	820	870	330	650
2,4-Dinitrotoluene	U	260	ug/Kgdrywt	1	330	350	90.	260
Diethylphthalate	U	260	ug/Kgdrywt	1	330	350	85.	260
Fluorene	U	260	ug/Kgdrywt	1	330	350	86.	260
4-Chlorophenyl-phenylether	U	260	ug/Kgdrywt	1	330	350	83.	260
4-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	140	650
4,6-Dinitro-2-methylphenol	U	650	ug/Kgdrywt	1	820	870	360	650
n-Nitrosodiphenylamine	U	260	ug/Kgdrywt	1	330	350	230	260
4-Bromophenyl-phenylether	U	260	ug/Kgdrywt	1	330	350	90.	260
Hexachlorobenzene	U	260	ug/Kgdrywt	1	330	350	87.	260
Pentachlorophenol	U	650	ug/Kgdrywt	1	820	870	250	650
Phenanthrene	U	260	ug/Kgdrywt	1	330	350	88.	260
Anthracene	U	260	ug/Kgdrywt	1	330	350	89.	260
Carbazole	U	260	ug/Kgdrywt	1	330	350	120	260
Di-n-butylphthalate	U	260	ug/Kgdrywt	1	330	350	110	260
Fluoranthene	U	260	ug/Kgdrywt	1	330	350	110	260
Pyrene	U	260	ug/Kgdrywt	1	330	350	110	260
Butylbenzylphthalate	U	260	ug/Kgdrywt	1	330	350	99.	260
Benzo(a)anthracene	U	260	ug/Kgdrywt	1	330	350	91.	260
3,3'-Dichlorobenzidine	U	260	ug/Kgdrywt	1	330	350	120	260
Chrysene	U	260	ug/Kgdrywt	1	330	350	100	260
Bis(2-ethylhexyl)phthalate	B	440	ug/Kgdrywt	1	330	350	100	260
Di-n-octylphthalate	U	260	ug/Kgdrywt	1	330	350	220	260
Benzo(b)fluoranthene	U	260	ug/Kgdrywt	1	330	350	140	260
Benzo(k)fluoranthene	U	260	ug/Kgdrywt	1	330	350	88.	260
Benzo(a)pyrene	J	140	ug/Kgdrywt	1	330	350	99.	260
Indeno(1,2,3-cd)pyrene	J	250	ug/Kgdrywt	1	330	350	130	260
Dibenzo(a,h)anthracene	U	260	ug/Kgdrywt	1	330	350	140	260
Benzo(g,h,i)perylene		370	ug/Kgdrywt	1	330	350	110	260
2-Fluorophenol		68.6						
Phenol-d6	*	0.00						
Nitrobenzene-d5	*	26.4						
2-Fluorobiphenyl		74.6						
2,4,6-Tribromophenol		39.0						
Terphenyl-d14		74.6						

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	530	ug/Kgdrywt	2	330	700	330	530
Bis(2-Chloroethyl) Ether	U	530	ug/Kgdrywt	2	330	700	170	530
2-Chlorophenol	U	530	ug/Kgdrywt	2	330	700	350	530
1,3-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	160	530
1,4-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	180	530
1,2-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	190	530
2,2'-Oxybis(1-Chloropropane)	U	530	ug/Kgdrywt	2	330	700	190	530
2-Methylphenol	U	530	ug/Kgdrywt	2	330	700	420	530
n-Nitroso-di-n-propylamine	U	530	ug/Kgdrywt	2	330	700	180	530
3&4-Methylphenol	U	530	ug/Kgdrywt	2	330	700	400	530
Hexachloroethane	U	530	ug/Kgdrywt	2	330	700	200	530
Nitrobenzene	U	530	ug/Kgdrywt	2	330	700	190	530
Isophorone	U	530	ug/Kgdrywt	2	330	700	160	530
2-Nitrophenol	U	530	ug/Kgdrywt	2	330	700	360	530
2,4-Dimethylphenol	U	530	ug/Kgdrywt	2	330	700	350	530
Bis(2-chloroethoxy)methane	U	530	ug/Kgdrywt	2	330	700	200	530
2,4-Dichlorophenol	U	530	ug/Kgdrywt	2	330	700	320	530
1,2,4-Trichlorobenzene	U	530	ug/Kgdrywt	2	330	700	170	530
Naphthalene		5400	ug/Kgdrywt	2	330	700	180	530
4-Chloroaniline	U	530	ug/Kgdrywt	2	330	700	250	530
Hexachlorobutadiene	U	530	ug/Kgdrywt	2	330	700	180	530
4-Chloro-3-methylphenol	U	530	ug/Kgdrywt	2	330	700	350	530
2-Methylnaphthalene		910	ug/Kgdrywt	2	330	700	200	530
Hexachlorocyclopentadiene	U	530	ug/Kgdrywt	2	330	700	170	530
2,4,6-Trichlorophenol	U	530	ug/Kgdrywt	2	330	700	330	530
2,4,5-Trichlorophenol	U	1300	ug/Kgdrywt	2	820	1700	330	1300
2-Chloronaphthalene	U	530	ug/Kgdrywt	2	330	700	180	530
2-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	160	1300
Dimethyl phthalate	U	530	ug/Kgdrywt	2	330	700	160	530
2,6-Dinitrotoluene	U	530	ug/Kgdrywt	2	330	700	170	530
Acenaphthylene	U	530	ug/Kgdrywt	2	330	700	150	530
3-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	200	1300
Acenaphthene	U	530	ug/Kgdrywt	2	330	700	140	530
2,4-Dinitrophenol	U	1300	ug/Kgdrywt	2	820	1700	800	1300
Dibenzofuran	U	530	ug/Kgdrywt	2	330	700	170	530

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	1300	ug/Kgdrywt	2	820	1700	660	1300
2,4-Dinitrotoluene	U	530	ug/Kgdrywt	2	330	700	180	530
Diethylphthalate	U	530	ug/Kgdrywt	2	330	700	170	530
Fluorene	U	530	ug/Kgdrywt	2	330	700	170	530
4-Chlorophenyl-phenylether	U	530	ug/Kgdrywt	2	330	700	160	530
4-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	280	1300
4,6-Dinitro-2-methylphenol	U	1300	ug/Kgdrywt	2	820	1700	720	1300
n-Nitrosodiphenylamine	U	530	ug/Kgdrywt	2	330	700	460	530
4-Bromophenyl-phenylether	U	530	ug/Kgdrywt	2	330	700	180	530
Hexachlorobenzene	U	530	ug/Kgdrywt	2	330	700	170	530
Pentachlorophenol	U	1300	ug/Kgdrywt	2	820	1700	500	1300
Phenanthrene	U	530	ug/Kgdrywt	2	330	700	180	530
Anthracene	U	530	ug/Kgdrywt	2	330	700	180	530
Carbazole	U	530	ug/Kgdrywt	2	330	700	240	530
Di-n-butylphthalate	U	530	ug/Kgdrywt	2	330	700	210	530
Fluoranthene	U	530	ug/Kgdrywt	2	330	700	220	530
Pyrene	U	530	ug/Kgdrywt	2	330	700	210	530
Butylbenzylphthalate	U	530	ug/Kgdrywt	2	330	700	200	530
Benzo(a)anthracene	U	530	ug/Kgdrywt	2	330	700	180	530
3,3'-Dichlorobenzidine	U	530	ug/Kgdrywt	2	330	700	240	530
Chrysene	U	530	ug/Kgdrywt	2	330	700	200	530
Bis(2-ethylhexyl)phthalate	JB	450	ug/Kgdrywt	2	330	700	210	530
Di-n-octylphthalate	U	530	ug/Kgdrywt	2	330	700	450	530
Benzo(b)fluoranthene	U	530	ug/Kgdrywt	2	330	700	280	530
Benzo(k)fluoranthene	U	530	ug/Kgdrywt	2	330	700	180	530
Benzo(a)pyrene	U	530	ug/Kgdrywt	2	330	700	200	530
Indeno(1,2,3-cd)pyrene	U	530	ug/Kgdrywt	2	330	700	260	530
Dibenzo(a,h)anthracene	U	530	ug/Kgdrywt	2	330	700	270	530
Benzo(g,h,i)perylene	J	310	ug/Kgdrywt	2	330	700	220	530
2-Fluorophenol		70.3						
Phenol-d6		59.6						
Nitrobenzene-d5		68.4						
2-Fluorobiphenyl		74.6						
2,4,6-Tribromophenol		39.3						
Terphenyl-d14		71.2						

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethyl) Ether	U	250	ug/Kgdrywt	1	330	330	81.	250
2-Chlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
1,3-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	78.	250
1,4-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	86.	250
1,2-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	88.	250
2,2'-Oxybis(1-Chloropropane)	U	250	ug/Kgdrywt	1	330	330	89.	250
2-Methylphenol	U	250	ug/Kgdrywt	1	330	330	200	250
n-Nitroso-di-n-propylamine	U	250	ug/Kgdrywt	1	330	330	83.	250
3&4-Methylphenol	U	250	ug/Kgdrywt	1	330	330	190	250
Hexachloroethane	U	250	ug/Kgdrywt	1	330	330	96.	250
Nitrobenzene	U	250	ug/Kgdrywt	1	330	330	91.	250
Isophorone	U	250	ug/Kgdrywt	1	330	330	75.	250
2-Nitrophenol	U	250	ug/Kgdrywt	1	330	330	170	250
2,4-Dimethylphenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-chloroethoxy)methane	U	250	ug/Kgdrywt	1	330	330	96.	250
2,4-Dichlorophenol	U	250	ug/Kgdrywt	1	330	330	150	250
1,2,4-Trichlorobenzene	U	250	ug/Kgdrywt	1	330	330	81.	250
Naphthalene	U	250	ug/Kgdrywt	1	330	330	87.	250
4-Chloroaniline	U	250	ug/Kgdrywt	1	330	330	120	250
Hexachlorobutadiene	U	250	ug/Kgdrywt	1	330	330	83.	250
4-Chloro-3-methylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
2-Methylnaphthalene	U	250	ug/Kgdrywt	1	330	330	92.	250
Hexachlorocyclopentadiene	U	250	ug/Kgdrywt	1	330	330	82.	250
2,4,6-Trichlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
2,4,5-Trichlorophenol	U	620	ug/Kgdrywt	1	820	820	160	620
2-Chloronaphthalene	U	250	ug/Kgdrywt	1	330	330	87.	250
2-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	75.	620
Dimethyl phthalate	U	250	ug/Kgdrywt	1	330	330	78.	250
2,6-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	79.	250
Acenaphthylene	U	250	ug/Kgdrywt	1	330	330	70.	250
3-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	94.	620
Acenaphthene	U	250	ug/Kgdrywt	1	330	330	65.	250
2,4-Dinitrophenol	U	620	ug/Kgdrywt	1	820	820	380	620

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibenzofuran	U	250	ug/Kgdrywt	1	330	330	79.	250
4-Nitrophenol	U	620	ug/Kgdrywt	1	820	820	310	620
2,4-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	85.	250
Diethylphthalate	U	250	ug/Kgdrywt	1	330	330	80.	250
Fluorene	U	250	ug/Kgdrywt	1	330	330	81.	250
4-Chlorophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	78.	250
4-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	130	620
4,6-Dinitro-2-methylphenol	U	620	ug/Kgdrywt	1	820	820	340	620
n-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	330	220	250
4-Bromophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	85.	250
Hexachlorobenzene	U	250	ug/Kgdrywt	1	330	330	82.	250
Pentachlorophenol	U	620	ug/Kgdrywt	1	820	820	240	620
Phenanthrene	U	250	ug/Kgdrywt	1	330	330	83.	250
Anthracene	U	250	ug/Kgdrywt	1	330	330	84.	250
Carbazole	U	250	ug/Kgdrywt	1	330	330	110	250
Di-n-butylphthalate	U	250	ug/Kgdrywt	1	330	330	100	250
Fluoranthene	U	250	ug/Kgdrywt	1	330	330	110	250
Pyrene	U	250	ug/Kgdrywt	1	330	330	100	250
Butylbenzylphthalate	U	250	ug/Kgdrywt	1	330	330	93.	250
Benzo(a)anthracene	U	250	ug/Kgdrywt	1	330	330	86.	250
3,3'-Dichlorobenzidine	U	250	ug/Kgdrywt	1	330	330	110	250
Chrysene	U	250	ug/Kgdrywt	1	330	330	95.	250
Bis(2-ethylhexyl)phthalate	J	170	ug/Kgdrywt	1	330	330	98.	250
Di-n-octylphthalate	U	250	ug/Kgdrywt	1	330	330	210	250
Benzo(b)fluoranthene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(k)fluoranthene	U	250	ug/Kgdrywt	1	330	330	83.	250
Benzo(a)pyrene	U	250	ug/Kgdrywt	1	330	330	93.	250
Indeno(1,2,3-cd)pyrene	U	250	ug/Kgdrywt	1	330	330	120	250
Dibenzo(a,h)anthracene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(g,h,i)perylene	U	250	ug/Kgdrywt	1	330	330	100	250
2-Fluorophenol		49.3						
Phenol-d6		54.9						
Nitrobenzene-d5		53.6						
2-Fluorobiphenyl		59.8						

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4,6-Tribromophenol	*	28.1						
Terphenyl-d14		54.2						

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FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	SITE6-IDW-5526	SE2818-9	23*	42	52	69	6*	69			2
02	SITE6-IDW-954	SE2818-13	69	0*	26*	75	39	74			2
03	SITE6-IDW-2117	SE2818-7	46	57	49	64	26*	59			1
04	SITE6-IDW-782	SE2818-11	43	54	47	59	28*	66			1
05	WG91853-BLANK	WG91853-1	49	55	54	60	28*	54			1
06	SITE6-IDW-954	SE2818-13DL	70	60	68	74	39	71			0
07	WG91853-LCS	WG91853-2	57	61	56	53	73	77			0
08	WG91853-LCSD	WG91853-3	56	60	56	51	78	77			0
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(35-105)
S2 (PHL)	= Phenol-D6	(40-100)
S3 (NBZ)	= Nitrobenzene-D5	(35-100)
S4 (FBP)	= 2-Fluorobiphenyl	(45-105)
S5 (TBP)	= 2,4,6-Tribromophenol	(35-125)
S6 (TPH)	= Terphenyl-D14	(30-135)

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

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91853-2
LCSD ID: WG91853-3
Project:
SDG: SE2818
Report Date: 08-jun-2011 15:37

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 26-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	3330	2040	61.3	1980	59.4	ug/Kgdrywt	3	30	40-100
Bis(2-Chloroethyl) Ether	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	40-105
2-Chlorophenol	3330	1990	59.8	1960	58.8	ug/Kgdrywt	2	30	45-105
1,3-Dichlorobenzene	1670	1020	61.1	998.	59.8	ug/Kgdrywt	2	30	40-100
1,4-Dichlorobenzene	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	35-105
1,2-Dichlorobenzene	1670	937.	56.1	939.	56.2	ug/Kgdrywt	0	30	45-100
2,2'-Oxybis(1-Chloropropane)	1670	966.	57.8	966.	57.8	ug/Kgdrywt	0	30	20-115
2-Methylphenol	3330	1900	57.0	1870	56.2	ug/Kgdrywt	2	30	40-105
n-Nitroso-di-n-propylamine	1670	1090	65.3	1100	65.9	ug/Kgdrywt	1	30	40-115
3&4-Methylphenol	3330	1840	55.2	1780	53.4	ug/Kgdrywt	3	30	40-105
Hexachloroethane	1670	1090	65.3	1100	65.9	ug/Kgdrywt	1	30	35-110
Nitrobenzene	1670	1100	65.9	1080	64.7	ug/Kgdrywt	2	30	40-115
Isophorone	1670	956.	57.2	979.	58.6	ug/Kgdrywt	2	30	45-110
2-Nitrophenol	3330	1990	59.8	1960	58.8	ug/Kgdrywt	2	30	40-110
2,4-Dimethylphenol	3330	1890	56.8	1880	56.4	ug/Kgdrywt	0	30	30-105
Bis(2-chloroethoxy)methane	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	45-110
2,4-Dichlorophenol	3330	2110	63.4	2100	63.1	ug/Kgdrywt	0	30	45-110
1,2,4-Trichlorobenzene	1670	926.	55.4	926.	55.4	ug/Kgdrywt	0	30	45-110
Naphthalene	1670	1020	61.1	1010	60.5	ug/Kgdrywt	1	30	40-105
4-Chloroaniline	1670	630.	37.7	636.	38.1	ug/Kgdrywt	1	30	10-100
Hexachlorobutadiene	1670	1040	62.3	1040	62.3	ug/Kgdrywt	0	30	40-115
4-Chloro-3-methylphenol	3330	2540	76.3	2670	80.2	ug/Kgdrywt	5	30	45-115
2-Methylnaphthalene	1670	1100	65.9	1100	65.9	ug/Kgdrywt	0	30	45-105
Hexachlorocyclopentadiene	1670	817.	48.9	770.	46.1	ug/Kgdrywt	6	30	23-107
2,4,6-Trichlorophenol	3330	2100	63.1	2120	63.7	ug/Kgdrywt	1	30	45-110
2,4,5-Trichlorophenol	3330	2160	64.9	2160	64.9	ug/Kgdrywt	0	30	50-110
2-Chloronaphthalene	1670	538.	32.2*	515.	30.8*	ug/Kgdrywt	4	30	45-105
2-Nitroaniline	1670	1310	78.4	1340	80.2	ug/Kgdrywt	2	30	45-120
Dimethyl phthalate	1670	1420	85.0	1430	85.6	ug/Kgdrywt	1	30	50-110
2,6-Dinitrotoluene	1670	1340	80.2	1380	82.6	ug/Kgdrywt	3	30	50-110
Acenaphthylene	1670	1080	64.7	1050	62.9	ug/Kgdrywt	3	30	45-105
3-Nitroaniline	1670	1040	62.3	1100	65.9	ug/Kgdrywt	6	30	25-110
Acenaphthene	1670	1110	66.5	1060	63.5	ug/Kgdrywt	5	30	45-110
2,4-Dinitrophenol	3330	1480	44.4	1580	47.4	ug/Kgdrywt	6	30	15-130
Dibenzofuran	1670	1270	76.0	1260	75.4	ug/Kgdrywt	1	30	50-105

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ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91853-2
LCSD ID: WG91853-3
Project:
SDG: SE2818
Report Date: 08-jun-2011 15:37

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 26-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
4-Nitrophenol	3330	2850	85.6	3220	96.7	ug/Kgdrywt	12	30	15-140
2,4-Dinitrotoluene	1670	1590	95.2	1690	101.	ug/Kgdrywt	6	30	50-115
Diethylphthalate	1670	1320	79.0	1410	84.4	ug/Kgdrywt	6	30	50-115
Fluorene	1670	1270	76.0	1300	77.8	ug/Kgdrywt	2	30	50-110
4-Chlorophenyl-phenylether	1670	1210	72.4	1240	74.2	ug/Kgdrywt	2	30	45-110
4-Nitroaniline	1670	971.	58.1	1170	70.0	ug/Kgdrywt	18	30	35-115
4,6-Dinitro-2-methylphenol	3330	1920	57.6	2070	62.2	ug/Kgdrywt	8	30	30-135
n-Nitrosodiphenylamine	1670	970.	58.1	957.	57.3	ug/Kgdrywt	1	30	50-115
4-Bromophenyl-phenylether	1670	1300	77.8	1310	78.4	ug/Kgdrywt	1	30	45-115
Hexachlorobenzene	1670	1130	67.7	1160	69.5	ug/Kgdrywt	3	30	45-120
Pentachlorophenol	3330	2010	60.4	2050	61.6	ug/Kgdrywt	2	30	25-120
Phenanthrene	1670	1230	73.6	1250	74.8	ug/Kgdrywt	2	30	50-110
Anthracene	1670	1190	71.2	1240	74.2	ug/Kgdrywt	4	30	55-105
Carbazole	1670	1220	73.0	1270	76.0	ug/Kgdrywt	4	30	45-115
Di-n-butylphthalate	1670	1260	75.4	1340	80.2	ug/Kgdrywt	6	30	55-110
Fluoranthene	1670	1240	74.2	1350	80.8	ug/Kgdrywt	8	30	55-115
Pyrene	1670	1440	86.2	1400	83.8	ug/Kgdrywt	3	30	45-125
Butylbenzylphthalate	1670	1390	83.2	1430	85.6	ug/Kgdrywt	3	30	50-125
Benzo(a)anthracene	1670	1300	77.8	1320	79.0	ug/Kgdrywt	2	30	50-110
3,3'-Dichlorobenzidine	1670	625.	37.4	701.	42.0	ug/Kgdrywt	11	30	10-130
Chrysene	1670	1400	83.8	1420	85.0	ug/Kgdrywt	1	30	55-110
Bis(2-ethylhexyl)phthalate	1670	1540	92.2	1900	114.	ug/Kgdrywt	21	30	45-125
Di-n-octylphthalate	1670	1520	91.0	1520	91.0	ug/Kgdrywt	0	30	40-130
Benzo(b)fluoranthene	1670	1440	86.2	1380	82.6	ug/Kgdrywt	4	30	45-115
Benzo(k)fluoranthene	1670	1370	82.0	1400	83.8	ug/Kgdrywt	2	30	45-125
Benzo(a)pyrene	1670	1430	85.6	1420	85.0	ug/Kgdrywt	1	30	50-110
Indeno(1,2,3-cd)pyrene	1670	1080	64.7	1240	74.2	ug/Kgdrywt	14	30	40-120
Dibenzo(a,h)anthracene	1670	1170	70.0	1320	79.0	ug/Kgdrywt	12	30	40-125
Benzo(g,h,i)perylene	1670	1210	72.4	1310	78.4	ug/Kgdrywt	8	30	40-125
2-Fluorophenol			56.6		55.5				35-105
Phenol-d6			61.2		59.6				40-100
Nitrobenzene-d5			56.2		55.7				35-100
2-Fluorobiphenyl			52.8		51.1				45-105
2,4,6-Tribromophenol			73.0		78.4				35-125
Terphenyl-d14			76.8		77.3				30-125

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FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91853-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: U5848 Lab Sample ID: WG91853-1

Instrument ID: GCMS-U Date Extracted: 05/23/11

Matrix: (soil/water) SOIL Date Analyzed: 05/25/11

Level:(low/med) LOW Time Analyzed: 2049

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	SITE6-IDW-5526	SE2818-9	U5839	05/25/11	1410
02	SITE6-IDW-954	SE2818-13	U5840	05/25/11	1455
03	SITE6-IDW-2117	SE2818-7	U5841	05/25/11	1539
04	SITE6-IDW-782	SE2818-11	U5842	05/25/11	1623
05	SITE6-IDW-954	SE2818-13DL	U5849	05/25/11	2133
06	WG91853-LCS	WG91853-2	U5864	05/26/11	1931
07	WG91853-LCSD	WG91853-3	U5865	05/26/11	2015
08					
09					
10					
11					
12					
13					
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16					
17					
18					
19					
20					
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29					
30					

COMMENTS:

FORM IVSV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD576 DFTPP Injection Date: 05/23/11

Instrument ID: GCMS-U DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	37.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	4.0
441	0.0 - 100.0% of mass 443	15.1 (81.9)2
442	40.0 - 100.0% of mass 198	94.1
443	17.0 - 23.0% of mass 442	18.4 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0523	U5802	05/23/11	1200
02		SSTD010U0523	U5803	05/23/11	1246
03		SSTD025U0523	U5804	05/23/11	1330
04		SSTD075U0523	U5805	05/23/11	1415
05		SSTD100U0523	U5806	05/23/11	1459
06		SSTD125U0523	U5807	05/23/11	1543
07		8270C IND CHEC	U5808	05/23/11	1628
08					
09					
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15					
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18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD578 DFTPP Injection Date: 05/25/11

Instrument ID: GCMS-U DFTPP Injection Time: 1054

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.3 (0.7)1
69	Less than 100.0% of mass 198	37.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	20.5
365	1.0 - 100.0% of mass 198	2.9
441	0.0 - 100.0% of mass 443	10.8 (82.5)2
442	40.0 - 100.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	13.1 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0525	U5835	05/25/11	1113
02	SITE6-IDW-5526	SE2818-9	U5839	05/25/11	1410
03	SITE6-IDW-954	SE2818-13	U5840	05/25/11	1455
04	SITE6-IDW-2117	SE2818-7	U5841	05/25/11	1539
05	SITE6-IDW-782	SE2818-11	U5842	05/25/11	1623
06	WG91853-BLANK	WG91853-1	U5848	05/25/11	2049
07	SITE6-IDW-954	SE2818-13DL	U5849	05/25/11	2133
08					
09					
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15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD579 DFTPP Injection Date: 05/26/11

Instrument ID: GCMS-U DFTPP Injection Time: 1146

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.2 (0.6)1
69	Less than 100.0% of mass 198	37.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	20.3
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	10.7 (85.5)2
442	40.0 - 100.0% of mass 198	65.4
443	17.0 - 23.0% of mass 442	12.5 (19.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0526	U5854	05/26/11	1206
02		SSTD010U0526	U5855	05/26/11	1253
03		SSTD025U0526	U5856	05/26/11	1337
04		SSTD075U0526	U5857	05/26/11	1422
05		SSTD100U0526	U5858	05/26/11	1506
06		SSTD125U0526	U5859	05/26/11	1550
07		8270C IND CHEC	U5860	05/26/11	1634
08	WG91853-LCS	WG91853-2	U5864	05/26/11	1931
09	WG91853-LCSD	WG91853-3	U5865	05/26/11	2015
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803 RF25: U5804 RF50: U5802
RF75: U5805 RF100: U5806 RF125: U5807

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Phenol	1.275	1.321	1.259	1.242	1.126	1.160	AVRG		1.23073707		5.971	30.000
Bis(2-Chloroethyl)ether	1.029	1.041	0.994	0.975	0.876	0.865	AVRG		0.96326457		7.863	15.000
2-Chlorophenol	1.143	1.145	1.103	1.110	1.013	0.990	AVRG		1.08395554		6.115	15.000
1,3-Dichlorobenzene	1.339	1.329	1.271	1.260	1.127	1.089	AVRG		1.23585691		8.456	15.000
1,4-Dichlorobenzene	1.359	1.331	1.249	1.246	1.115	1.066	AVRG		1.22771655		9.456	30.000
1,2-Dichlorobenzene	1.269	1.234	1.149	1.128	1.011	0.990	AVRG		1.13028177		10.008	15.000
2-Methylpbenol	0.939	0.955	0.928	0.943	0.902	0.940	AVRG		0.93444283		1.943	15.000
2,2'-Oxybis(1-chloropropa	1.353	1.323	1.232	1.253	1.160	1.137	AVRG		1.24291198		6.903	15.000
N-Nitroso-di-n-propylamin	0.722	0.676	0.650	0.627	0.572	0.560	AVRG		0.63446477		9.736	15.000
3&4-Methylphenol	1.070	1.074	1.026	1.001	0.923	0.873	AVRG		0.99437439		8.157	15.000
Hexachloroethane	0.532	0.497	0.469	0.454	0.412	0.412	AVRG		0.46268347		10.214	15.000
Nitrobenzene	0.292	0.286	0.271	0.279	0.251	0.245	AVRG		0.27065908		7.070	15.000
Isophorone	0.527	0.525	0.502	0.513	0.471	0.360	AVRG		0.48296112		13.193	15.000
2-Nitrophenol	0.174	0.172	0.170	0.172	0.162	0.161	AVRG		0.16866794		3.362	30.000
2,4-Dimethylphenol	0.284	0.285	0.267	0.266	0.244	0.239	AVRG		0.26425024		7.334	15.000
Bis(2-Chloroethoxy)methan	0.335	0.347	0.336	0.321	0.290	0.295	AVRG		0.32078437		7.255	15.000
2,4-Dichlorophenol	0.256	0.258	0.242	0.240	0.223	0.211	AVRG		0.23846229		7.654	30.000
1,2,4-Trichlorobenzene	0.320	0.312	0.288	0.288	0.254	0.248	AVRG		0.28500713		10.282	15.000
Napbthalene	0.842	0.829	0.757	0.747	0.663	0.648	AVRG		0.74777797		10.806	15.000
4-Chloroaniline	117740	299910	478290	688510	959250	1194200	2ORDR	2.512e-002	2.13546387	2.79345411	0.99579	0.99000
Hexachlorobutadiene	0.181	0.182	0.171	0.169	0.149	0.142	AVRG		0.16583664		10.004	30.000
4-Chloro-3-Methylphenol	0.235	0.237	0.226	0.217	0.193	0.202	AVRG		0.21837324		8.122	30.000
2-Methylnaphthalene	0.615	0.592	0.559	0.539	0.486	0.476	AVRG		0.54435169		10.266	15.000
Hexachlorocyclopentadiene	0.318	0.350	0.349	0.352	0.342	0.311	AVRG		0.33685855		5.313	15.000
2,4,6-Trichlorophenol	0.332	0.346	0.323	0.324	0.307	0.293	AVRG		0.32100644		5.824	30.000
2,4,5-Trichlorophenol	0.335	0.358	0.349	0.370	0.365	0.343	AVRG		0.35353614		3.766	15.000
2-Chloronaphthalene	1.540	1.491	1.331	1.288	1.167	1.064	AVRG		1.31359397		13.930	15.000
2-Nitroaniline	0.250	0.259	0.254	0.268	0.254	0.246	AVRG		0.25502195		2.945	15.000
Dimethyl Phthalate	1.112	1.009	0.928	0.870	0.865	0.830	AVRG		0.93543911		11.408	15.000
2,6-Dinitrotoluene	0.242	0.259	0.242	0.242	0.235	0.231	AVRG		0.24192307		3.914	15.000
Acenaphthylene	1.604	1.496	1.372	1.318	1.277	1.226	AVRG		1.38197556		10.323	15.000
3-Nitroaniline	0.243	0.243	0.235	0.238	0.234	0.231	AVRG		0.23753249		2.094	15.000
Acenaphthene	1.008	0.952	0.891	0.841	0.816	0.763	AVRG		0.87840341		10.314	30.000
2,4-Dinitrophenol	13671	56062	118180	199840	323260	440840	LINR	0.12606266	5.98249675		0.99610	0.99000
Dibenzofuran	1.374	1.330	1.250	1.211	1.149	1.099	AVRG		1.23553392		8.473	15.000
4-Nitrophenol	0.139	0.146	0.163	0.179	0.142	0.169	AVRG		0.15620848		10.443	15.000
2,4-Dinitrotoluene	0.324	0.313	0.289	0.284	0.262	0.249	AVRG		0.28674032		10.041	15.000
Diethylphthalate	1.197	1.161	1.098	1.022	0.907	0.829	AVRG		1.03558848		13.979	15.000
Fluorene	1.150	1.105	1.033	0.996	0.933	0.883	AVRG		1.01667441		9.957	15.000
4-Chlorophenyl-phenylethe	0.562	0.548	0.500	0.477	0.436	0.400	AVRG		0.48724334		12.946	15.000
4-Nitroaniline	0.187	0.196	0.197	0.216	0.214	0.206	AVRG		0.20266708		5.691	15.000
4,6-Dinitro-2-Methylpheno	27450	83151	157720	241990	370760	486750	LINR	8.275e-002	7.47467331		0.99841	0.99000
N-Nitrosodiphenylamine	0.524	0.547	0.521	0.531	0.496	0.473	AVRG		0.51535844		5.128	30.000
4-Bromophenyl-phenylether	0.198	0.194	0.192	0.188	0.179	0.180	AVRG		0.18833283		3.973	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803 RF25: U5804 RF50: U5802
RF75: U5805 RF100: U5806 RF125: U5807

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Hexachlorobenzene	0.228	0.229	0.229	0.232	0.225	0.228	AVRG		0.22849444		0.964	15.000
Pentachlorophenol	0.097	0.118	0.133	0.141	0.131	0.138	AVRG		0.12647509		12.896	30.000
Phenanthrene	0.938	0.932	0.906	0.921	0.882	0.873	AVRG		0.90856517		2.942	15.000
Anthracene	0.965	0.938	0.935	0.939	0.887	0.879	AVRG		0.92398985		3.619	15.000
Carbazole	0.683	0.694	0.687	0.706	0.694	0.680	AVRG		0.69085733		1.367	15.000
Di-n-butylphthalate	1.122	1.100	1.083	1.044	0.982	0.985	AVRG		1.05266193		5.650	15.000
Fluoranthene	0.867	0.838	0.828	0.795	0.765	0.760	AVRG		0.80892188		5.264	30.000
Pyrene	1.400	1.205	1.297	1.276	1.074	1.138	AVRG		1.23184869		9.536	15.000
Butylbenzylphthalate	0.622	0.549	0.593	0.558	0.502	0.502	AVRG		0.55427390		8.688	15.000
Benzo(a)anthracene	0.983	0.898	0.898	0.863	0.827	0.804	AVRG		0.87874544		7.223	15.000
3,3'-Dichlorobenzidine	0.204	0.218	0.206	0.205	0.199	0.194	AVRG		0.20459664		3.921	15.000
Chrysene	0.928	0.836	0.810	0.791	0.739	0.715	AVRG		0.80329012		9.464	15.000
bis(2-Ethylhexyl)phthalat	0.858	0.762	0.831	0.770	0.691	0.693	AVRG		0.76758484		8.954	15.000
Di-n-octylphthalate	1.793	1.790	2.222	2.090	2.067	1.992	AVRG		1.99241192		8.651	30.000
Benzo(b)fluoranthene	0.873	0.950	0.994	0.962	0.981	0.955	AVRG		0.95269094		4.461	15.000
Benzo(k)fluoranthene	1.252	1.165	1.169	1.174	1.094	1.070	AVRG		1.15386844		5.611	15.000
Benzo(a)pyrene	0.811	0.829	0.828	0.823	0.836	0.804	AVRG		0.82178218		1.464	30.000
Indeno(1,2,3-cd)pyrene	0.350	0.341	0.404	0.412	0.414	0.419	AVRG		0.39011335		8.910	15.000
Dibenzo(a,h)anthracene	0.428	0.385	0.410	0.470	0.441	0.458	AVRG		0.43208531		7.237	15.000
Benzo(g,h,i)perylene	0.502	0.443	0.457	0.495	0.448	0.435	AVRG		0.46331695		6.075	15.000
2-Fluorophenol	1.098	1.122	1.083	1.084	1.008	0.989	AVRG		1.06405883		4.989	15.000
Phenol-D6	1.256	1.279	1.250	1.268	1.155	1.175	AVRG		1.23050938		4.229	15.000
Nitrobenzene-D5	0.292	0.290	0.275	0.285	0.270	0.267	AVRG		0.28005441		3.764	15.000
2-Fluorobiphenyl	1.120	1.087	1.014	1.004	0.940	0.875	AVRG		1.00685101		9.018	15.000
2,4,6-Tribromophenol	0.189	0.189	0.191	0.190	0.182	0.176	AVRG		0.18610377		3.323	15.000
Terphenyl-D14	0.900	0.772	0.851	0.817	0.697	0.750	AVRG		0.79793268		9.195	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/26/11 05/26/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1206 1550

LAB FILE ID: RF10: U5855 RF25: U5856 RF50: U5854
RF75: U5857 RF100: U5858 RF125: U5859

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Phenol	1.656	1.550	1.405	1.310	1.260	1.181	AVRG		1.39368497		12.981	30.000	
Bis(2-Chloroethyl)ether	1.340	1.280	1.142	1.053	0.993	0.947	AVRG		1.12584874		14.031	15.000	
2-Chlorophenol	1.347	1.319	1.182	1.117	1.103	1.040	AVRG		1.18467861		10.456	15.000	
1,3-Dichlorobenzene	1.548	1.492	1.345	1.232	1.172	1.115	AVRG		1.31730010		13.338	15.000	
1,4-Dichlorobenzene	1.551	1.458	1.342	1.186	1.147	1.080	AVRG		1.29391484		14.440	30.000	
1,2-Dichlorobenzene	122930	272720	450800	692940	935640	953940	2ORDR	4.949e-004	0.64042296	0.13523734	0.99964	0.99000	
2-Methylphenol	1.110	1.058	0.990	0.986	1.016	0.961	AVRG		1.02005575		5.399	15.000	
2,2'-Oxybis(1-chloropropa	1.834	1.693	1.555	1.467	1.444	1.338	AVRG		1.55507486		11.632	15.000	
N-Nitroso-di-n-propylamin	0.838	0.709	0.624	0.626	0.599	0.556	AVRG		0.65862928		15.333	15.000	<-
3&4-Methylphenol	1.319	1.218	1.079	1.037	1.002	0.929	AVRG		1.09744835		13.201	15.000	
Hexachloroethane	0.570	0.529	0.483	0.416	0.412	0.392	AVRG		0.46699762		15.419	15.000	<-
Nitrobenzene	0.346	0.329	0.313	0.279	0.273	0.264	AVRG		0.30048842		11.108	15.000	
Isophorone	0.621	0.596	0.549	0.535	0.530	0.503	AVRG		0.55590442		7.995	15.000	
2-Nitrophenol	0.198	0.200	0.187	0.175	0.174	0.165	AVRG		0.18325069		7.677	30.000	
2,4-Dimethylphenol	0.313	0.286	0.274	0.250	0.238	0.230	AVRG		0.26527349		11.870	15.000	
Bis(2-Chloroethoxy)methan	0.432	0.410	0.394	0.359	0.326	0.309	AVRG		0.37184405		13.051	15.000	
2,4-Dichlorophenol	0.294	0.273	0.246	0.237	0.225	0.211	AVRG		0.24790265		12.439	30.000	
1,2,4-Trichlorobenzene	107560	235600	391920	631260	860850	866460	2ORDR	8.723e-003	2.42102963	2.46411617	0.99966	0.99000	
Naphthalene	303850	655140	1061000	1695200	2331500	2381500	2ORDR	-8.75e-003	0.95839391	0.29705535	0.99936	0.99000	
4-Chloroaniline	124390	260860	386870	613500	778670	778190	2ORDR	1.925e-002	1.50225936	4.86667774	0.99941	0.99000	
Hexachlorobutadiene	0.186	0.174	0.164	0.141	0.135	0.127	AVRG		0.15448290		15.342	30.000	
4-Chloro-3-Methylphenol	0.253	0.223	0.201	0.188	0.189	0.177	AVRG		0.20516466		13.755	30.000	
2-Methylnaphthalene	205110	434100	693900	1178600	1612500	1644700	2ORDR	-9.39e-003	1.50144623	0.53334658	0.99995	0.99000	
Hexachlorocyclopentadiene	0.336	0.368	0.378	0.318	0.306	0.291	AVRG		0.33299194		10.362	15.000	
2,4,6-Trichlorophenol	0.406	0.389	0.368	0.325	0.318	0.299	AVRG		0.35088751		12.263	30.000	
2,4,5-Trichlorophenol	0.420	0.390	0.391	0.384	0.384	0.364	AVRG		0.38904733		4.601	15.000	
2-Chloronaphthalene	271770	545170	834730	1388300	1836700	1864000	2ORDR	1.28e-002	0.36106392	0.18109454	0.99533	0.99000	
2-Nitroaniline	0.312	0.286	0.278	0.282	0.279	0.263	AVRG		0.28359895		5.671	15.000	
Dimethyl Phthalate	174570	321460	480480	896420	1313300	1331100	2ORDR	-3.96e-002	1.02706112	0.13502115	0.99832	0.99000	
2,6-Dinitrotoluene	0.278	0.255	0.249	0.242	0.246	0.232	AVRG		0.25044379		6.081	15.000	
Acenaphthylene	273480	527320	798360	1460900	2119200	2116500	2ORDR	-2.28e-002	0.57610561	7.019e-002	0.99847	0.99000	
3-Nitroaniline	0.275	0.242	0.224	0.221	0.252	0.238	AVRG		0.24199195		8.208	15.000	
Acenaphthene	171670	332320	515100	931490	1298800	1303700	2ORDR	-7.53e-003	0.80988935	0.23919305	0.99916	0.99000	
2,4-Dinitrophenol	14409	33990	66243	167150	285360	283380	2ORDR	7.619e-002	7.50567287	-3.3730388	0.99156	0.99000	
Dibenzofuran	1.572	1.425	1.319	1.214	1.160	1.103	AVRG		1.29889262		13.595	15.000	
4-Nitrophenol	0.187	0.168	0.176	0.156	0.175	0.158	AVRG		0.17009827		6.922	15.000	
2,4-Dinitrotoluene	0.336	0.288	0.281	0.258	0.249	0.232	AVRG		0.27402892		13.405	15.000	
Diethylphthalate	186700	339140	545580	1055000	1391600	1410300	2ORDR	7.189e-003	0.72325657	0.21128042	0.99938	0.99000	
Fluorene	1.275	1.118	1.029	0.958	0.926	0.866	AVRG		1.02873053		14.454	15.000	
4-Chlorophenyl-phenylethe	87410	167230	264330	497310	663020	668320	2ORDR	8.27e-003	1.45359285	1.00360221	0.99966	0.99000	
4-Nitroaniline	0.225	0.196	0.196	0.212	0.243	0.232	AVRG		0.21731031		8.841	15.000	
4,6-Dinitro-2-Methylpheno	0.104	0.112	0.122	0.139	0.146	0.144	AVRG		0.12786627		13.915	15.000	
N-Nitrosodiphenylamine	0.652	0.655	0.638	0.580	0.518	0.503	AVRG		0.59083870		11.556	30.000	
4-Bromophenyl-phenylether	0.215	0.209	0.192	0.180	0.170	0.166	AVRG		0.18864304		10.766	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/26/11 05/26/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1206 1550

LAB FILE ID: RF10: U5855 RF25: U5856 RF50: U5854
RF75: U5857 RF100: U5858 RF125: U5859

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Hexachlorobenzene	0.234	0.226	0.222	0.220	0.213	0.211	AVRG		0.22106619		3.926	15.000
Pentachlorophenol	0.124	0.123	0.133	0.137	0.141	0.147	AVRG		0.13415010		7.026	30.000
Phenanthrene	1.091	1.037	1.001	0.970	0.934	0.928	AVRG		0.99337551		6.341	15.000
Anthracene	1.104	1.032	1.014	0.988	0.952	0.944	AVRG		1.00541254		5.846	15.000
Carbazole	0.866	0.794	0.800	0.793	0.816	0.823	AVRG		0.81530219		3.367	15.000
Di-n-butylphthalate	1.276	1.171	1.163	1.131	1.111	1.121	AVRG		1.16217803		5.201	15.000
Fluoranthene	0.991	0.905	0.873	0.870	0.870	0.904	AVRG		0.90231853		5.169	30.000
Pyrene	1.447	1.283	1.262	1.201	1.097	1.044	AVRG		1.22234183		11.780	15.000
Butylbenzylphthalate	0.675	0.642	0.629	0.610	0.562	0.542	AVRG		0.61003457		8.205	15.000
Benzo(a)anthracene	1.102	0.995	0.950	0.898	0.892	0.854	AVRG		0.94854337		9.502	15.000
3,3'-Dichlorobenzidine	0.251	0.263	0.258	0.239	0.239	0.227	AVRG		0.24627987		5.577	15.000
Chrysene	1.069	0.931	0.871	0.809	0.767	0.738	AVRG		0.86409758		14.157	15.000
bis(2-Ethylhexyl)phthalat	0.967	0.875	0.869	0.851	0.767	0.748	AVRG		0.84614766		9.412	15.000
Di-n-octylphthalate	1.814	1.582	1.599	1.781	1.609	1.575	AVRG		1.66001884		6.493	30.000
Benzo(b)fluoranthene	1.100	0.917	0.912	0.965	0.978	0.950	AVRG		0.97049816		7.086	15.000
Benzo(k)fluoranthene	1.303	1.130	0.982	0.966	0.963	0.901	AVRG		1.04094387		14.344	15.000
Benzo(a)pyrene	0.955	0.858	0.834	0.831	0.842	0.835	AVRG		0.85908983		5.564	30.000
Indeno(1,2,3-cd)pyrene	0.653	0.663	0.645	0.628	0.672	0.637	AVRG		0.64965325		2.574	15.000
Dibenzo(a,h)anthracene	0.707	0.708	0.608	0.646	0.694	0.658	AVRG		0.67045309		5.936	15.000
Benzo(g,h,i)perylene	0.856	0.798	0.768	0.705	0.745	0.678	AVRG		0.75843824		8.515	15.000
2-Fluorophenol	1.318	1.322	1.245	1.144	1.106	1.090	AVRG		1.20409792		8.695	15.000
Phenol-D6	1.583	1.524	1.406	1.335	1.307	1.236	AVRG		1.39851126		9.524	15.000
Nitrobenzene-D5	0.347	0.326	0.323	0.293	0.290	0.278	AVRG		0.30978353		8.624	15.000
2-Fluorobiphenyl	197750	398600	653380	1142200	1547800	1602100	2ORDR	1.73e-004	0.64609107	0.16639914	0.99695	0.99000
2,4,6-Tribromophenol	0.169	0.146	0.145	0.148	0.152	0.144	AVRG		0.15097647		6.231	15.000
Terphenyl-D14	0.828	0.749	0.730	0.726	0.662	0.638	AVRG		0.72238035		9.354	15.000

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.2300000	1.2349000	1.2349000	0.01	0.40	20.01	AVRG
Bis(2-Chloroethyl)ether	0.9630000	0.9858500	0.9858500	0.01	2.37	20.00	AVRG
2-Chlorophenol	1.0840000	1.0549000	1.0549000	0.01	-2.68	20.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.1954000	1.1954000	0.01	-3.28	20.00	AVRG
1,4-Dichlorobenzene	1.2280000	1.1651000	1.1651000	0.01	-5.12	20.01	AVRG
1,2-Dichlorobenzene	1.1300000	1.0462000	1.0462000	0.01	-7.42	20.00	AVRG
2-Methylphenol	0.9340000	0.9239700	0.9239700	0.01	-1.07	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.2430000	1.3954000	1.3954000	0.01	12.26	20.00	AVRG
N-Nitroso-di-n-propylamine	0.6340000	0.6152900	0.6152900	0.05	-2.95	20.00	AVRG
3&4-Methylphenol	0.9940000	0.9887700	0.9887700	0.01	-0.53	20.00	AVRG
Hexachloroethane	0.4630000	0.4150000	0.4150000	0.01	-10.37	20.00	AVRG
Nitrobenzene	0.2710000	0.2648700	0.2648700	0.01	-2.26	20.00	AVRG
Isophorone	0.4830000	0.4458700	0.4458700	0.01	-7.69	20.00	AVRG
2-Nitrophenol	0.1680000	0.1619500	0.1619500	0.01	-3.60	20.01	AVRG
2,4-Dimethylphenol	0.2640000	0.2418700	0.2418700	0.01	-8.38	20.00	AVRG
Bis(2-Chloroethoxy)methane	0.3210000	0.3281400	0.3281400	0.01	2.22	20.00	AVRG
2,4-Dichlorophenol	0.2380000	0.2239300	0.2239300	0.01	-5.91	20.01	AVRG
1,2,4-Trichlorobenzene	0.2850000	0.2718600	0.2718600	0.01	-4.61	20.00	AVRG
Naphthalene	0.7480000	0.7226800	0.7226800	0.01	-3.38	20.00	AVRG
4-Chloroaniline	46.083000	50.000000	0.2872600	0.01	-7.83	20.00	2RDR
Hexachlorobutadiene	0.1660000	0.1425600	0.1425600	0.01	-14.12	20.01	AVRG
4-Chloro-3-Methylphenol	0.2180000	0.1961400	0.1961400	0.01	-10.03	20.01	AVRG
2-Methylnaphthalene	0.5440000	0.5109400	0.5109400	0.01	-6.08	20.00	AVRG
Hexachlorocyclopentadiene	0.3370000	0.2997300	0.2997300	0.05	-11.06	20.00	AVRG
2,4,6-Trichlorophenol	0.3210000	0.3099400	0.3099400	0.01	-3.44	20.01	AVRG
2,4,5-Trichlorophenol	0.3530000	0.3421500	0.3421500	0.01	-3.07	20.00	AVRG
2-Chloronaphthalene	1.3140000	1.2482000	1.2482000	0.01	-5.01	20.00	AVRG
2-Nitroaniline	0.2550000	0.2548600	0.2548600	0.01	-0.05	20.00	AVRG
Dimethyl Phthalate	0.9360000	0.8324400	0.8324400	0.01	-11.06	20.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
2,6-Dinitrotoluene	0.2420000	0.2365300	0.2365300	0.01	-2.26	20.00	AVRG	
Acenaphthylene	1.3820000	1.2613000	1.2613000	0.01	-8.73	20.00	AVRG	
3-Nitroaniline	0.2370000	0.2292600	0.2292600	0.01	-3.26	20.00	AVRG	
Acenaphthene	0.8780000	0.8228700	0.8228700	0.01	-6.28	20.01	AVRG	
2,4-Dinitrophenol	43.749000	50.000000	0.1294000	0.05	-12.50	20.00	LINR	
Dibenzofuran	1.2360000	1.1672000	1.1672000	0.01	-5.57	20.00	AVRG	
4-Nitrophenol	0.1560000	0.1805300	0.1805300	0.05	15.72	20.00	AVRG	
2,4-Dinitrotoluene	0.2870000	0.2736000	0.2736000	0.01	-4.67	20.00	AVRG	
Diethylphthalate	1.0360000	0.9898000	0.9898000	0.01	-4.46	20.00	AVRG	
Fluorene	1.0170000	0.9646600	0.9646600	0.01	-5.15	20.00	AVRG	
4-Chlorophenyl-phenylether	0.4870000	0.4495200	0.4495200	0.01	-7.70	20.00	AVRG	
4-Nitroaniline	0.2030000	0.2119000	0.2119000	0.01	4.38	20.00	AVRG	
4,6-Dinitro-2-Methylphenol	45.924000	50.000000	0.1140200	0.01	-8.15	20.00	LINR	
N-Nitrosodiphenylamine	0.5150000	0.5080900	0.5080900	0.01	-1.34	20.01	AVRG	
4-Bromophenyl-phenylether	0.1880000	0.1661900	0.1661900	0.01	-11.60	20.00	AVRG	
Hexachlorobenzene	0.2280000	0.1962400	0.1962400	0.01	-13.93	20.00	AVRG	
Pentachlorophenol	0.1260000	0.1184900	0.1184900	0.01	-5.96	20.01	AVRG	
Phenanthrene	0.9090000	0.8725200	0.8725200	0.01	-4.01	20.00	AVRG	
Anthracene	0.9240000	0.9054400	0.9054400	0.01	-2.01	20.00	AVRG	
Carbazole	0.6910000	0.7196000	0.7196000	0.01	4.14	20.00	AVRG	
Di-n-butylphthalate	1.0530000	1.0476000	1.0476000	0.01	-0.51	20.00	AVRG	
Fluoranthene	0.8090000	0.7948300	0.7948300	0.01	-1.75	20.01	AVRG	
Pyrene	1.2320000	1.1491000	1.1491000	0.01	-6.73	20.00	AVRG	
Butylbenzylphthalate	0.5540000	0.5273800	0.5273800	0.01	-4.80	20.00	AVRG	
Benzo(a)anthracene	0.8790000	0.8422900	0.8422900	0.01	-4.18	20.00	AVRG	
3,3'-Dichlorobenzidine	0.2040000	0.2172900	0.2172900	0.01	6.51	20.00	AVRG	
Chrysene	0.8030000	0.7823700	0.7823700	0.01	-2.57	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.7680000	0.7195700	0.7195700	0.01	-6.31	20.00	AVRG	
Di-n-octylphthalate	1.9920000	1.5855000	1.5855000	0.01	-20.41	20.01	AVRG	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Benzo(b)fluoranthene	0.9520000	0.8616500	0.8616500	0.01	-9.49	20.00	AVRG	
Benzo(k)fluoranthene	1.1540000	1.0238000	1.0238000	0.01	-11.28	20.00	AVRG	
Benzo(a)pyrene	0.8220000	0.7965900	0.7965900	0.01	-3.09	20.01	AVRG	
Indeno(1,2,3-cd)pyrene	0.3900000	0.4758500	0.4758500	0.01	22.01	20.00	AVRG	<-
Dibenzo(a,h)anthracene	0.4320000	0.5008700	0.5008700	0.01	15.94	20.00	AVRG	
Benzo(g,h,i)perylene	0.4630000	0.5264500	0.5264500	0.01	13.70	20.00	AVRG	
2-Fluorophenol	1.0640000	1.0731000	1.0731000	0.01	0.86	20.00	AVRG	
Phenol-D6	1.2300000	1.2074000	1.2074000	0.01	-1.84	20.00	AVRG	
Nitrobenzene-D5	0.2800000	0.2692500	0.2692500	0.01	-3.84	20.00	AVRG	
2-Fluorobiphenyl	1.0070000	0.9600200	0.9600200	0.01	-4.66	20.00	AVRG	
2,4,6-Tribromophenol	0.1860000	0.1462200	0.1462200	0.01	-21.39	20.00	AVRG	<-
Terphenyl-D14	0.7980000	0.6883100	0.6883100	0.01	-13.75	20.00	AVRG	

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802 Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	327345	8.76	1261487	11.61	688599	15.76
UPPER LIMIT	654690	9.26	2522974	12.11	1377198	16.26
LOWER LIMIT	163673	8.26	630744	11.11	344300	15.26

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	351292	8.76	1284936	11.60	663785	15.75
02	SITE6-IDW-5526	SE2818-9	372744	8.76	1389548	11.60	686449	15.75
03	SITE6-IDW-954	SE2818-13	347527	8.84	1537551	11.66	822993	15.76
04	SITE6-IDW-2117	SE2818-7	405226	8.77	1528963	11.60	766612	15.75
05	SITE6-IDW-782	SE2818-11	381269	8.76	1401890	11.60	771427	15.75
06	WG91853-BLANK	WG91853-1	403766	8.77	1384475	11.60	743920	15.75
07	SITE6-IDW-954	SE2818-13DL	331250	8.80	1543163	11.62	828843	15.75
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802 Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		1066957	19.23	669261	25.53	342377	28.69
UPPER LIMIT		2133914	19.73	1338522	26.03	684754	29.19
LOWER LIMIT		533479	18.73	334631	25.03	171189	28.19
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01		SSTD050U0525	992895	19.22	683028	25.52	454145	28.68
02	SITE6-IDW-5526	SE2818-9	947852	19.21	475971	25.52	248622	28.68
03	SITE6-IDW-954	SE2818-13	1165728	19.22	547176	25.52	277299	28.68
04	SITE6-IDW-2117	SE2818-7	1075454	19.21	576578	25.52	306962	28.68
05	SITE6-IDW-782	SE2818-11	1181096	19.21	615793	25.52	300613	28.68
06	WG91853-BLANK	WG91853-1	1155270	19.21	814502	25.52	540144	28.68
07	SITE6-IDW-954	SE2818-13DL	1337094	19.22	775945	25.52	388283	28.69
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5854 Date Analyzed: 05/26/11

Instrument ID: GCMS-U Time Analyzed: 1206

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		305135	8.76	1029934	11.60	430934	15.75
UPPER LIMIT		610270	9.26	2059868	12.10	861868	16.25
LOWER LIMIT		152568	8.26	514967	11.10	215467	15.25
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91853-LCS	WG91853-2	342145	8.76	1257161	11.60	632703	15.75
02 WG91853-LCSD	WG91853-3	380712	8.76	1397657	11.60	734187	15.75
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5854 Date Analyzed: 05/26/11

Instrument ID: GCMS-U Time Analyzed: 1206

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		553474	19.20	401451	25.51	347561	28.66
UPPER LIMIT		1106948	19.70	802902	26.01	695122	29.16
LOWER LIMIT		276737	18.70	200726	25.01	173781	28.16
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91853-LCS	WG91853-2	1026291	19.21	681750	25.51	495183	28.68
02 WG91853-LCSD	WG91853-3	1232617*	19.20	911937*	25.52	688476	28.67
03							
04							
05							
06							
07							
08							
09							
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11							
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14							
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16							
17							
18							
19							
20							

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.8	ug/Kgdrywt	1	17	18.	6.2	8.8
Aroclor-1221	U	8.8	ug/Kgdrywt	1	17	18.	8.1	8.8
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	18.	9.6	10.
Aroclor-1242	U	8.8	ug/Kgdrywt	1	17	18.	6.0	8.8
Aroclor-1248	U	8.8	ug/Kgdrywt	1	17	18.	6.3	8.8
Aroclor-1254	U	8.8	ug/Kgdrywt	1	17	18.	4.8	8.8
Aroclor-1260	U	8.8	ug/Kgdrywt	1	17	18.	6.2	8.8
Tetrachloro-M-Xylene	*	48.1	%					
Decachlorobiphenyl		75.8	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	9.3	ug/Kgdrywt	1	17	19.	6.6	9.3
Aroclor-1221	U	9.3	ug/Kgdrywt	1	17	19.	8.7	9.3
Aroclor-1232	U	11.	ug/Kgdrywt	1	17	19.	10.	11.
Aroclor-1242	U	9.3	ug/Kgdrywt	1	17	19.	6.4	9.3
Aroclor-1248	U	9.3	ug/Kgdrywt	1	17	19.	6.7	9.3
Aroclor-1254	U	9.3	ug/Kgdrywt	1	17	19.	5.2	9.3
Aroclor-1260	U	9.3	ug/Kgdrywt	1	17	19.	6.6	9.3
Tetrachloro-M-Xylene	*	55.2	%					
Decachlorobiphenyl		67.8	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	9.1	ug/Kgdrywt	1	17	18.	6.4	9.1
Aroclor-1221	U	9.1	ug/Kgdrywt	1	17	18.	8.4	9.1
Aroclor-1232	U	11.	ug/Kgdrywt	1	17	18.	9.9	11.
Aroclor-1242	U	9.1	ug/Kgdrywt	1	17	18.	6.2	9.1
Aroclor-1248	U	9.1	ug/Kgdrywt	1	17	18.	6.5	9.1
Aroclor-1254	U	9.1	ug/Kgdrywt	1	17	18.	5.0	9.1
Aroclor-1260	U	9.1	ug/Kgdrywt	1	17	18.	6.4	9.1
Tetrachloro-M-Xylene		60.0	%					
Decachlorobiphenyl		62.5	%					

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.9	ug/Kgdrywt	1	17	18.	6.3	8.9
Aroclor-1221	U	8.9	ug/Kgdrywt	1	17	18.	8.3	8.9
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	18.	9.8	10.
Aroclor-1242	U	8.9	ug/Kgdrywt	1	17	18.	6.1	8.9
Aroclor-1248	U	8.9	ug/Kgdrywt	1	17	18.	6.4	8.9
Aroclor-1254	U	8.9	ug/Kgdrywt	1	17	18.	4.9	8.9
Aroclor-1260	U	8.9	ug/Kgdrywt	1	17	18.	6.3	8.9
Tetrachloro-M-Xylene		57.1	%					
Decachlorobiphenyl	*	58.3	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91852-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.5	ug/Kgdrywt	1	17	17.	6.0	8.5
Aroclor-1221	U	8.5	ug/Kgdrywt	1	17	17.	7.9	8.5
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	17.	9.3	10.
Aroclor-1242	U	8.5	ug/Kgdrywt	1	17	17.	5.8	8.5
Aroclor-1248	U	8.5	ug/Kgdrywt	1	17	17.	6.1	8.5
Aroclor-1254	U	8.5	ug/Kgdrywt	1	17	17.	4.7	8.5
Aroclor-1260	U	8.5	ug/Kgdrywt	1	17	17.	6.0	8.5
Tetrachloro-M-Xylene		74.2	%					
Decachlorobiphenyl		72.1	%					

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FORM 2
SOIL PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG91852-BLANK	WG91852-1	74	63	72	62			0
02	WG91852-LCS	WG91852-2	100	87	100	86			0
03	WG91852-LCSD	WG91852-3	99	86	105	89			0
04	SITE6-IDW-2117	SE2818-6	30*	48*	61	76			2
05	SITE6-IDW-5526	SE2818-8	55*	48*	49*	68			3
06	SITE6-IDW-782	SE2818-10	52*	60	48*	62			2
07	SITE6-IDW-954	SE2818-12	57	57	41*	58*			2
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (56-115)
S2 (DCB) = Decachlorobiphenyl (60-125)

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

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91852-2
LCSD ID: WG91852-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	167.	180.	108.	185.	111.	ug/Kgdrywt	3	30	40-140
Aroclor-1260	167.	181.	108.	190.	114.	ug/Kgdrywt	5	30	60-130
Tetrachloro-M-Xylene			100.		99.4				56-115
Decachlorobiphenyl			100.		105.				60-125

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FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91852-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91852-1 Lab File ID: 8EE10181

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 05/23/11

Date Analyzed (1): 05/23/11 Date Analyzed (2): 05/23/11

Time Analyzed (1): 1119 Time Analyzed (2): 1119

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): ZB-MULTIRESIDUE1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG91852-LCS	WG91852-2	8EE10182	05/23/11	05/23/11
02	WG91852-LCSD	WG91852-3	8EE10183	05/23/11	05/23/11
03	SITE6-IDW-2117	SE2818-6	8EE10193	05/23/11	05/23/11
04	SITE6-IDW-5526	SE2818-8	8EE10194	05/23/11	05/23/11
05	SITE6-IDW-782	SE2818-10	8EE10195	05/23/11	05/23/11
06	SITE6-IDW-954	SE2818-12	8EE10196	05/23/11	05/23/11
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IVPCB

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/17/11 05/17/11

Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Calibration Time(s): 1426 2347

LAB FILE ID: RF0.05: 8EE10094 RF0.1: 8EE10095 RF0.25: 8EE10096
RF1: 8EE10100 RF2.5: 8EE10097 RF10: 8EE10098

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	36621	80262	190120	693290	1666500	5562100	LINR	-0.1293457	1.799e-006	0.99745	0.99000	
(2)	33139	73043	175450	657710	1550000	4961700	LINR	-0.1588022	2.015e-006	0.99586	0.99000	
(3)	81504	164220	404700	1484500	3308000	9670100	LINR	-0.2413927	1.032e-006	0.99070	0.99000	
(4)	41260	88664	219590	821780	1864400	5890500	LINR	-0.1791563	1.698e-006	0.99508	0.99000	
(5)	31366	63645	157660	600740	1364800	4518000	LINR	-0.1468565	2.216e-006	0.99691	0.99000	
Aroclor-1221				291000			LINR	0.00000000	3.436e-006	1.00000	0.99000	<-
(2)				352980			LINR	0.00000000	2.833e-006	1.00000	0.99000	<-
(3)				878420			LINR	0.00000000	1.138e-006	1.00000	0.99000	<-
(4)				97612			LINR	0.00000000	1.024e-005	1.00000	0.99000	<-
Aroclor-1232				719600			LINR	0.00000000	1.39e-006	1.00000	0.99000	<-
(2)				312990			LINR	0.00000000	3.195e-006	1.00000	0.99000	<-
(3)				676550			LINR	0.00000000	1.478e-006	1.00000	0.99000	<-
(4)				373220			LINR	0.00000000	2.679e-006	1.00000	0.99000	<-
(5)				242210			LINR	0.00000000	4.129e-006	1.00000	0.99000	<-
Aroclor-1242	36088	69934	169030	599430	1431700	4790300	LINR	-0.1336662	2.091e-006	0.99754	0.99000	
(2)	32602	62563	151190	553900	1321200	4345400	LINR	-0.1417006	2.303e-006	0.99696	0.99000	
(3)	73502	145060	342860	1234900	2851700	8751800	LINR	-0.2006097	1.142e-006	0.99391	0.99000	
(4)	38011	78500	185550	676940	1598500	5201500	LINR	-0.1522050	1.924e-006	0.99655	0.99000	
(5)	28068	56524	136140	500270	1181800	3915900	LINR	-0.1390625	2.556e-006	0.99717	0.99000	
Aroclor-1248	40619	39872	204260	743230	1733600	5792700	LINR	-0.1227628	1.725e-006	0.99715	0.99000	
(2)	45622	94546	235610	845590	1947100	6224400	LINR	-0.1715841	1.608e-006	0.99573	0.99000	
(3)	33032	70614	172300	636900	1502800	4943800	LINR	-0.1420591	2.024e-006	0.99690	0.99000	
(4)	50248	102520	260380	942180	2213900	7081200	LINR	-0.1629371	1.412e-006	0.99583	0.99000	
(5)	26530	54656	138580	505150	1223700	4106600	LINR	-0.1215922	2.436e-006	0.99761	0.99000	
Aroclor-1254	59405	116070	261620	1044600	2257800		LINR	-3.56e-002	1.1e-006	0.99638	0.99000	
(2)	55943	110700	252140	1007500	2204000		LINR	-3.23e-002	1.128e-006	0.99698	0.99000	
(3)	96024	193530	435750	1723800	3617400		LINR	-4.24e-002	6.848e-007	0.99458	0.99000	
(4)	57332	118520	270020	1120200	2473800		LINR	-2.56e-002	1.003e-006	0.99736	0.99000	
(5)	72446	145950	336170	1340800	2842400		LINR	-3.82e-002	8.716e-007	0.99521	0.99000	
Aroclor-1260	59613	124770	297850	1097800	2511300		LINR	-2.86e-002	9.952e-007	0.99865	0.99000	
(2)	91173	185110	452840	1626200	3581700		LINR	-3.92e-002	6.965e-007	0.99714	0.99000	
(3)	84810	171530	411240	1530200	3350800		LINR	-3.73e-002	7.433e-007	0.99695	0.99000	
(4)	131020	272390	674570	2431100	5193100		LINR	-4.44e-002	4.788e-007	0.99548	0.99000	
(5)	79174	162470	403210	1423800	3193400		LINR	-3.63e-002	7.825e-007	0.99785	0.99000	
Tetrachloro-m-xylene	45093	91910	232270	837570	1959000	6315700	LINR	-3.2e-003	3.168e-008	0.99614	0.99000	
Decachlorobiphenyl	27138	54534	133340	472030	1151100	3972000	LINR	-2.14e-003	5.042e-008	0.99840	0.99000	

FORM VI PCB

Report Date: 19-May-2011 10:40

Calibration History

Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Start Cal Date: 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
17-MAY-2011 21:43	AR1254	8EE10094.D
17-MAY-2011 19:38	AR1248	8EE10088.D
17-MAY-2011 17:33	AR1242	8EE10082.D
17-MAY-2011 14:47	AR1660	8EE10074.D
Cal Level: 2 , Cal Amount: 0.10000		
17-MAY-2011 22:03	AR1254	8EE10095.D
17-MAY-2011 19:59	AR1248	8EE10089.D
17-MAY-2011 17:54	AR1242	8EE10083.D
17-MAY-2011 15:08	AR1660	8EE10075.D
Cal Level: 3 , Cal Amount: 0.25000		
17-MAY-2011 22:24	AR1254	8EE10096.D
17-MAY-2011 20:19	AR1248	8EE10090.D
17-MAY-2011 18:15	AR1242	8EE10084.D
17-MAY-2011 15:29	AR1660	8EE10076.D
Cal Level: 4 , Cal Amount: 1.00000		
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D
Cal Level: 5 , Cal Amount: 2.50000		
17-MAY-2011 22:45	AR1254	8EE10097.D
17-MAY-2011 20:40	AR1248	8EE10091.D
17-MAY-2011 18:36	AR1242	8EE10085.D
17-MAY-2011 15:49	AR1660	8EE10077.D
Cal Level: 6 , Cal Amount: 10.00000		
17-MAY-2011 23:06	AR1254	8EE10098.D

17-MAY-2011 21:01	AR1248	8EE10092.D
17-MAY-2011 18:56	AR1242	8EE10086.D
17-MAY-2011 16:10	AR1660	8EE10078.D

Continuing Calibration
Ccal Level Mode: BY SAMPLE

18-MAY-2011 08:47	AR1660	8EE10126.D
18-MAY-2011 04:38	AR1254	8EE10114.D
18-MAY-2011 04:17	AR1248	8EE10113.D
18-MAY-2011 03:56	AR1242	8EE10112.D
18-MAY-2011 03:35	AR1660	8EE10111.D
17-MAY-2011 16:52	AR1260	8EE10080.D
17-MAY-2011 16:31	AR1016	8EE10079.D
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/17/11 05/17/11

Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Calibration Time(s): 1426 2347

LAB FILE ID: RF0.05: BEE10094 RF0.1: BEE10095 RF0.25: BEE10096
RF1: BEE10100 RF2.5: BEE10097 RF10: BEE10098

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	471060	496530	482040	445510	446560	397820	AVRG	456585.317	7.668	20.000	
(2)	424880	440450	432660	398580	399240	366600	AVRG	410401.050	6.710	20.000	
(3)	881640	912500	900670	845960	821880	705470	AVRG	844685.467	9.016	20.000	
(4)	457960	454960	453760	421970	423360	381070	AVRG	432179.333	6.898	20.000	
(5)	423620	446050	440630	414870	411580	376370	AVRG	418854.333	5.954	20.000	
Aroclor-1221				169130			AVRG	169129.000	0.000	20.000	<-
(2)				206440			AVRG	206444.000	0.000	20.000	<-
(3)				136130			AVRG	136132.000	0.000	20.000	<-
(4)				510100			AVRG	510095.000	0.000	20.000	<-
Aroclor-1232				424350			AVRG	424351.000	0.000	20.000	<-
(2)				205140			AVRG	205138.000	0.000	20.000	<-
(3)				386020			AVRG	386025.000	0.000	20.000	<-
(4)				196110			AVRG	196114.000	0.000	20.000	<-
(5)				149090			AVRG	149087.000	0.000	20.000	<-
Aroclor-1242	447780	429260	421600	392570	373780	336110	AVRG	400184.067	10.260	20.000	
(2)	397900	372740	365500	344610	340360	301380	AVRG	353747.667	9.336	20.000	
(3)	817580	796680	757660	724540	697540	599520	AVRG	732252.833	10.746	20.000	
(4)	409680	400850	386250	358770	358270	320050	AVRG	372312.317	8.922	20.000	
(5)	400120	389470	372830	352060	341960	314620	AVRG	361843.800	8.800	20.000	
Aroclor-1248	473160	478290	473220	449400	422480	379400	AVRG	445992.150	8.696	20.000	
(2)	562360	581410	570280	542250	510000	454620	AVRG	536819.883	8.842	20.000	
(3)	739260	796330	768470	738500	701910	617960	AVRG	727072.483	8.551	20.000	
(4)	428120	431150	436740	436070	416010	383000	AVRG	421848.800	4.851	20.000	
(5)	281300	316060	323040	305910	298410	280960	AVRG	300946.650	5.819	20.000	
Aroclor-1254	950600	909420	829780	858770	786380	656420	AVRG	831894.417	12.456	20.000	
(2)	817820	784830	709320	744750	655360	569870	AVRG	713657.750	12.685	20.000	
(3)	1077800	1077200	1001100	1046200	933330	780020	AVRG	985944.433	11.635	20.000	
(4)	736720	722150	655360	725200	637190	584940	AVRG	676925.550	8.975	20.000	
(5)	880100	874870	771460	814750	733150	621030	AVRG	782558.467	12.485	20.000	
Aroclor-1260	707880	753320	730220	682090	661610	591030	AVRG	687693.650	8.373	20.000	
(2)	828920	878480	872550	814640	791490	681480	AVRG	811260.083	8.860	20.000	
(3)	819980	893020	887360	824630	806400	681580	AVRG	818829.433	9.337	20.000	
(4)	1382400	1470400	1450800	1360100	1290900	1026600	AVRG	1330221.33	12.192	20.000	
(5)	848560	890070	907930	821070	833180	718250	AVRG	836508.950	7.992	20.000	
Tetrachloro-m-xylene	2e+007	2e+007	2e+007	2e+007	2e+007	2.e+007	AVRG	21796468.3	5.963	20.000	
Decachlorobiphenyl	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	11265584.2	5.711	20.000	

FORM VI PCB

Report Date: 19-May-2011 10:40

Calibration History

Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Start Cal Date: 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
17-MAY-2011 21:43	AR1254	8EE10094.D
17-MAY-2011 19:38	AR1248	8EE10088.D
17-MAY-2011 17:33	AR1242	8EE10082.D
17-MAY-2011 14:47	AR1660	8EE10074.D
Cal Level: 2 , Cal Amount: 0.10000		
17-MAY-2011 22:03	AR1254	8EE10095.D
17-MAY-2011 19:59	AR1248	8EE10089.D
17-MAY-2011 17:54	AR1242	8EE10083.D
17-MAY-2011 15:08	AR1660	8EE10075.D
Cal Level: 3 , Cal Amount: 0.25000		
17-MAY-2011 22:24	AR1254	8EE10096.D
17-MAY-2011 20:19	AR1248	8EE10090.D
17-MAY-2011 18:15	AR1242	8EE10084.D
17-MAY-2011 15:29	AR1660	8EE10076.D
Cal Level: 4 , Cal Amount: 1.00000		
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D
Cal Level: 5 , Cal Amount: 2.50000		
17-MAY-2011 22:45	AR1254	8EE10097.D
17-MAY-2011 20:40	AR1248	8EE10091.D
17-MAY-2011 18:36	AR1242	8EE10085.D
17-MAY-2011 15:49	AR1660	8EE10077.D
Cal Level: 6 , Cal Amount: 10.00000		
17-MAY-2011 23:06	AR1254	8EE10098.D

17-MAY-2011 21:01	AR1248	8EE10092.D
17-MAY-2011 18:56	AR1242	8EE10086.D
17-MAY-2011 16:10	AR1660	8EE10078.D

Continuing Calibration
Ccal Level Mode: BY SAMPLE

18-MAY-2011 08:47	AR1660	8EE10126.D
18-MAY-2011 03:35	AR1660	8EE10111.D
18-MAY-2011 04:38	AR1254	8EE10114.D
18-MAY-2011 04:17	AR1248	8EE10113.D
18-MAY-2011 03:56	AR1242	8EE10112.D
17-MAY-2011 16:52	AR1260	8EE10080.D
17-MAY-2011 16:31	AR1016	8EE10079.D
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D

Report Date : 19-May-2011 10:40

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.
Cal Date : 18-May-2011 09:15 jprescott
Curve Type : Average

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10094.D
Level 2: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10095.D
Level 3: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10096.D
Level 4: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10100.D
Level 5: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10097.D
Level 6: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10098.D

Compound	0.05000 Level 1	0.10000 Level 2	0.25000 Level 3	1.000 Level 4	2.500 Level 5	10.000 Level 6	___ RRF	% RSD
M 1 Total PCBs	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Aroclor-1221 (1)	+++++	+++++	+++++	169129	+++++	+++++	169129	0.000
(2)	+++++	+++++	+++++	206444	+++++	+++++	206444	0.000
(3)	+++++	+++++	+++++	136132	+++++	+++++	136132	0.000
(4)	+++++	+++++	+++++	510095	+++++	+++++	510095	0.000
4 Aroclor-1232 (1)	+++++	+++++	+++++	424351	+++++	+++++	424351	0.000
(2)	+++++	+++++	+++++	205138	+++++	+++++	205138	0.000
(3)	+++++	+++++	+++++	386025	+++++	+++++	386025	0.000
(4)	+++++	+++++	+++++	196114	+++++	+++++	196114	0.000
(5)	+++++	+++++	+++++	149087	+++++	+++++	149087	0.000
5 Aroclor-1016 (1)	471060	496530	482036	445510	446556	397820	456585	7.668
(2)	424880	440450	432660	398584	399236	366596	410401	6.710
(3)	881640	912500	900668	845958	821878	705469	844685	9.016
(4)	457960	454960	453756	421968	423362	381070	432179	6.898
(5)	423620	446050	440632	414867	411584	376373	418854	5.954
6 Aroclor-1242 (1)	447780	429260	421596	392573	373784	336111	400184	10.260
(2)	397900	372740	365496	344609	340360	301381	353748	9.336
(3)	817580	796680	757660	724536	697540	599521	732253	10.746
(4)	409680	400850	386252	358768	358274	320050	372312	8.922
(5)	400120	389470	372828	352062	341966	314617	361844	8.800
7 Aroclor-1248 (1)	473160	478290	473220	449395	422482	379406	445992	8.696
(2)	562360	581410	570276	542253	510002	454618	536820	8.842
(3)	739260	796330	768472	738500	701910	617963	727072	8.551
(4)	428120	431150	436744	436072	416010	382997	421849	4.851
(5)	281300	316060	323044	305909	298409	280958	300947	5.819
8 Aroclor-1254 (1)	950600	909420	829784	858767	786377	656419	831894	12.457
(2)	817820	784830	709320	744752	655356	569869	713658	12.685
(3)	1077780	1077180	1001104	1046255	933327	780020	985944	11.635

Report Date : 19-May-2011 10:40

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.
Cal Date : 18-May-2011 09:15 jprescott
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.25000 Level 3	1.000 Level 4	2.500 Level 5	10.000 Level 6	___ RRF	% RSD
(4)	736720	722150	655356	725198	637194	584936	676926	8.975
(5)	880100	874870	771456	814749	733150	621026	782558	12.485
9 Aroclor-1260 (1)	707880	753320	730224	682090	661614	591034	687694	8.373
(2)	828920	878480	872552	814641	791490	681478	811260	8.860
(3)	819980	893020	887356	824630	806406	681585	818829	9.337
(4)	1382400	1470420	1450816	1360139	1290896	1026657	1330221	12.192
(5)	848560	890070	907928	821066	833182	718248	836509	7.993
10 Aroclor-1262 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Aroclor-1268 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 2 Tetrachloro-m-xylene	21638000	22972500	23301400	21557400	21681720	19627790	21796468	5.963
$ 12 Decachlorobiphenyl	11551000	11959000	11977600	10533700	10736420	10835785	11265584	5.711

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1631

Lab File ID: 8EE10079 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.2127000	1.0000000	745900.00	0.001	21.27	20.00	LINR	<-
(2)	1.2247000	1.0000000	686680.00	0.001	22.47	20.00	LINR	<-
(3)	1.3282000	1.0000000	1521600.0	0.001	32.82	20.00	LINR	<-
(4)	1.2448000	1.0000000	838790.00	0.001	24.48	20.00	LINR	<-
(5)	1.1779000	1.0000000	597800.00	0.001	17.79	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1631

Lab File ID: 8EE10079 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	456590.00	485710.00	0.001	6.38	20.00	AVRG
(2)	410400.00	432740.00	0.001	5.44	20.00	AVRG
(3)	844690.00	907390.00	0.001	7.42	20.00	AVRG
(4)	432180.00	452040.00	0.001	4.60	20.00	AVRG
(5)	418850.00	438420.00	0.001	4.67	20.00	AVRG
Average %D: 5.7000						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1652

Lab File ID: 8EE10080 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0543000	1.0000000	1088200.0	0.001	5.43	20.00	LINR
(2)	1.0917000	1.0000000	1623700.0	0.001	9.17	20.00	LINR
(3)	1.1294000	1.0000000	1569800.0	0.001	12.94	20.00	LINR
(4)	0.9414600	1.0000000	2059100.0	0.001	-5.85	20.00	LINR
(5)	0.9925600	1.0000000	1314800.0	0.001	-0.74	20.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1652

Lab File ID: 8EE10080 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	___ RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1260	687690.00	678970.00	0.001	-1.27	20.00	AVRG
(2)	811260.00	801450.00	0.001	-1.21	20.00	AVRG
(3)	818830.00	881360.00	0.001	7.64	20.00	AVRG
(4)	1330200.0	1230200.0	0.001	-7.52	20.00	AVRG
(5)	836510.00	786710.00	0.001	-5.95	20.00	AVRG
Average %D: -1.660						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 0849

Lab File ID: 8EE10174 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.2532000	1.0000000	768410.00	0.001	25.32	20.00	LINR	<-
(2)	1.2805000	1.0000000	714380.00	0.001	28.05	20.00	LINR	<-
(3)	1.3818000	1.0000000	1573500.0	0.001	38.18	20.00	LINR	<-
(4)	1.2823000	1.0000000	860860.00	0.001	28.23	20.00	LINR	<-
(5)	1.2766000	1.0000000	642330.00	0.001	27.66	20.00	LINR	<-
Aroclor-1260	1.0968000	1.0000000	1130800.0	0.001	9.68	20.00	LINR	
(2)	1.1576000	1.0000000	1718300.0	0.001	15.76	20.00	LINR	
(3)	1.1128000	1.0000000	1547400.0	0.001	11.28	20.00	LINR	
(4)	1.1693000	1.0000000	2535000.0	0.001	16.93	20.00	LINR	
(5)	1.1485000	1.0000000	1514100.0	0.001	14.85	20.00	LINR	
Decachlorobiphenyl	2.32e-002	2.e-002	25168000	0.001	16.00	20.00	LINR	
Tetrachloro-m-xylene	2.67e-002	2.e-002	47115000	0.001	33.50	20.00	LINR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 0849

Lab File ID: 8EE10174 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	___ RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	456590.00	474880.00	0.001	4.00	20.00	AVRG
(2)	410400.00	429410.00	0.001	4.63	20.00	AVRG
(3)	844690.00	888250.00	0.001	5.16	20.00	AVRG
(4)	432180.00	449440.00	0.001	3.99	20.00	AVRG
(5)	418850.00	445350.00	0.001	6.33	20.00	AVRG
Average %D: 4.8200						
Aroclor-1260	687690.00	720890.00	0.001	4.83	20.00	AVRG
(2)	811260.00	841840.00	0.001	3.77	20.00	AVRG
(3)	818830.00	851780.00	0.001	4.02	20.00	AVRG
(4)	1330200.0	1394400.0	0.001	4.83	20.00	AVRG
(5)	836510.00	888460.00	0.001	6.21	20.00	AVRG
Average %D: 4.7300						
Tetrachloro-m-xylene	21796000	23708000	0.001	8.77	20.00	AVRG
Decachlorobiphenyl	11266000	11761000	0.001	4.39	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1405

Lab File ID: 8EE10189 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2685700	0.2500000	884640.00	0.001	7.43	20.00	LINR	
(2)	0.2470700	0.2500000	805830.00	0.001	-1.17	20.00	LINR	
(3)	0.2271700	0.2500000	1816900.0	0.001	-9.13	20.00	LINR	
(4)	0.2464200	0.2500000	1002700.0	0.001	-1.43	20.00	LINR	
(5)	0.2533800	0.2500000	722430.00	0.001	1.35	20.00	LINR	
Aroclor-1260	0.3133100	0.2500000	1374300.0	0.001	25.32	20.00	LINR	<-
(2)	0.3225100	0.2500000	2077200.0	0.001	29.00	20.00	LINR	<-
(3)	0.3146300	0.2500000	1894200.0	0.001	25.85	20.00	LINR	<-
(4)	0.3159800	0.2500000	3010700.0	0.001	26.39	20.00	LINR	<-
(5)	0.3128100	0.2500000	1784500.0	0.001	25.12	20.00	LINR	<-
Decachlorobiphenyl	5.36e-003	5.e-003	29726000	0.001	7.20	20.00	LINR	
Tetrachloro-m-xylene	5.25e-003	5.e-003	53338000	0.001	5.00	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1405

Lab File ID: 8EE10189 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aroclor-1016	456590.00	529570.00	0.001	15.98	20.00	AVRG	
(2)	410400.00	476990.00	0.001	16.23	20.00	AVRG	
(3)	844690.00	975880.00	0.001	15.53	20.00	AVRG	
(4)	432180.00	493390.00	0.001	14.16	20.00	AVRG	
(5)	418850.00	478720.00	0.001	14.29	20.00	AVRG	
Average %D: 15.240							
Aroclor-1260	687690.00	785660.00	0.001	14.25	20.00	AVRG	
(2)	811260.00	935660.00	0.001	15.33	20.00	AVRG	
(3)	818830.00	930060.00	0.001	13.58	20.00	AVRG	
(4)	1330200.0	1548600.0	0.001	16.42	20.00	AVRG	
(5)	836510.00	964560.00	0.001	15.31	20.00	AVRG	
Average %D: 14.960							
Tetrachloro-m-xylene	21796000	26635000	0.001	22.20	20.00	AVRG	<-
Decachlorobiphenyl	11266000	11839000	0.001	5.09	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1713

Lab File ID: 8EE10198 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1428000	1.0000000	707090.00	0.001	14.28	20.00	LINR	
(2)	1.1329000	1.0000000	641140.00	0.001	13.29	20.00	LINR	
(3)	1.1859000	1.0000000	1383600.0	0.001	18.59	20.00	LINR	
(4)	1.1124000	1.0000000	760750.00	0.001	11.24	20.00	LINR	
(5)	1.0371000	1.0000000	534280.00	0.001	3.71	20.00	LINR	
Aroclor-1260	0.7881200	1.0000000	820670.00	0.001	-21.19	20.00	LINR	<-
(2)	0.7788100	1.0000000	1174400.0	0.001	-22.12	20.00	LINR	<-
(3)	0.7619500	1.0000000	1075400.0	0.001	-23.80	20.00	LINR	<-
(4)	0.7196200	1.0000000	1595800.0	0.001	-28.04	20.00	LINR	<-
(5)	0.6410100	1.0000000	865540.00	0.001	-35.90	20.00	LINR	<-
Decachlorobiphenyl	9.42e-003	2.e-002	11456000	0.001	-52.90	20.00	LINR	<-
Tetrachloro-m-xylene	2.64e-002	2.e-002	46765000	0.001	32.00	20.00	LINR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1713

Lab File ID: 8EE10198 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aroclor-1016	456590.00	476060.00	0.001	4.26	20.00	AVRG	
(2)	410400.00	410440.00	0.001	0.01	20.00	AVRG	
(3)	844690.00	849110.00	0.001	0.52	20.00	AVRG	
(4)	432180.00	412460.00	0.001	-4.56	20.00	AVRG	
(5)	418850.00	400980.00	0.001	-4.27	20.00	AVRG	
Average %D: -0.810							
Aroclor-1260	687690.00	544380.00	0.001	-20.84	20.00	AVRG	<-
(2)	811260.00	644930.00	0.001	-20.50	20.00	AVRG	<-
(3)	818830.00	622260.00	0.001	-24.01	20.00	AVRG	<-
(4)	1330200.0	1036100.0	0.001	-22.11	20.00	AVRG	<-
(5)	836510.00	603040.00	0.001	-27.91	20.00	AVRG	<-
Average %D: -23.07							
Tetrachloro-m-xylene	21796000	25273000	0.001	15.95	20.00	AVRG	
Decachlorobiphenyl	11266000	9243500.0	0.001	-17.95	20.00	AVRG	

FORM VII PEST

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 11.25 TCX: 2.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01		AR1660 1.0	05/17/11	1426	11.26	2.72
02		AR1660 0.05	05/17/11	1447	11.25	2.71
03		AR1660 0.1	05/17/11	1508	11.25	2.72
04		AR1660 0.25	05/17/11	1529	11.25	2.72
05		AR1660 2.5	05/17/11	1549	11.25	2.72
06		AR1660 10	05/17/11	1610	11.25	2.71
07		AR1016 1.0	05/17/11	1631		
08		AR1260 1.0	05/17/11	1652		
09		AR1242 1.0	05/17/11	1713		
10		AR1248 1.0	05/17/11	1917		
11		AR1254 1.0	05/17/11	2122		
12		AR1221 1.0	05/17/11	2326		
13		AR1232 1.0	05/17/11	2347		
14		AR1660 1.0	05/23/11	0849	11.24	2.71
15	WG91852-BLAN	WG91852-1	05/23/11	1119	11.25	2.72
16	WG91852-LCS	WG91852-2	05/23/11	1139	11.24	2.72
17	WG91852-LCSD	WG91852-3	05/23/11	1200	11.24	2.72
18		AR1660 0.25	05/23/11	1405	11.24	2.71
19	SITE6-IDW-21	SE2818-6	05/23/11	1529	11.24	2.72
20	SITE6-IDW-55	SE2818-8	05/23/11	1549	11.25	2.72

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 11.25 TCX: 2.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SITE6-IDW-78	SE2818-10	05/23/11	1610	11.24	2.72
02	SITE6-IDW-95	SE2818-12	05/23/11	1631	11.25	2.72
03		AR1660 1.0	05/23/11	1713	11.25	2.72
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.71 DCB: 11.43

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0	05/17/11	1426	2.71	11.43
02		AR1660 0.05	05/17/11	1447	2.72	11.43
03		AR1660 0.1	05/17/11	1508	2.72	11.43
04		AR1660 0.25	05/17/11	1529	2.72	11.43
05		AR1660 2.5	05/17/11	1549	2.72	11.43
06		AR1660 10	05/17/11	1610	2.71	11.43
07		AR1016 1.0	05/17/11	1631		
08		AR1260 1.0	05/17/11	1652		
09		AR1242 1.0	05/17/11	1713		
10		AR1248 1.0	05/17/11	1917		
11		AR1254 1.0	05/17/11	2122		
12		AR1221 1.0	05/17/11	2326		
13		AR1232 1.0	05/17/11	2347		
14		AR1660 1.0	05/23/11	0849	2.71	11.41
15	WG91852-BLAN	WG91852-1	05/23/11	1119	2.71	11.41
16	WG91852-LCS	WG91852-2	05/23/11	1139	2.72	11.41
17	WG91852-LCSD	WG91852-3	05/23/11	1200	2.71	11.41
18		AR1660 0.25	05/23/11	1405	2.71	11.41
19	SITE6-IDW-21	SE2818-6	05/23/11	1529	2.72	11.41
20	SITE6-IDW-55	SE2818-8	05/23/11	1549	2.72	11.42

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.71 DCB: 11.43

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SITE6-IDW-78	SE2818-10	05/23/11	1610	2.72	11.42
02	SITE6-IDW-95	SE2818-12	05/23/11	1631	2.72	11.42
03		AR1660 1.0	05/23/11	1713	2.72	11.42
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-2117

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-006T

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	78.8			P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.4	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	9.2	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	28.2			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-5526

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-008T

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	105			P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.3	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	5.9	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	41.3			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-782

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-010T

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	90.5			P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.8	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	6.3	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	9.9	J		P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-954

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-012T

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	97.6			P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.8	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	5.6	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	104			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICV

File: HBE25A May 25, 2011 11:22

Analyte	True	Found	%R (1)
MERCURY	6.0	5.84	97.3

SAMPLE: CCV

File: HBE25A May 25, 2011 11:47

Analyte	True	Found	%R (1)
MERCURY	5.0	5.40	108.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: HBE25A May 25, 2011 12:13

Analyte	True	Found	%R (1)
MERCURY	5.0	5.38	107.6

SAMPLE: CCV

File: HBE25A May 25, 2011 12:34

Analyte	True	Found	%R (1)
MERCURY	5.0	5.32	106.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICV

File: IBE24A May 24, 2011 14:54

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10140.00	101.4
ARSENIC	400.0	386.00	96.5
BARIUM	400.0	391.20	97.8
CADMIUM	400.0	395.40	98.8
CALCIUM	10000.0	10020.00	100.2
CHROMIUM	400.0	399.40	99.8
IRON	10000.0	10160.00	101.6
LEAD	400.0	398.10	99.5
MAGNESIUM	10000.0	10210.00	102.1
SELENIUM	400.0	386.70	96.7
SILVER	400.0	399.60	99.9

SAMPLE: CCV

File: IBE24A May 24, 2011 15:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12470.00	99.8
ARSENIC	500.0	496.10	99.2
BARIUM	500.0	498.90	99.8
CADMIUM	500.0	503.00	100.6
CALCIUM	12500.0	12490.00	99.9
CHROMIUM	500.0	503.00	100.6
IRON	12500.0	12540.00	100.3
LEAD	500.0	506.00	101.2
MAGNESIUM	12500.0	12630.00	101.0
SELENIUM	500.0	493.20	98.6
SILVER	500.0	502.30	100.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 16:12

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12540.00	100.3
ARSENIC	500.0	495.40	99.1
BARIUM	500.0	498.20	99.6
CADMIUM	500.0	502.90	100.6
CALCIUM	12500.0	12580.00	100.6
CHROMIUM	500.0	505.90	101.2
IRON	12500.0	12700.00	101.6
LEAD	500.0	510.00	102.0
MAGNESIUM	12500.0	12400.00	99.2
SELENIUM	500.0	494.60	98.9
SILVER	500.0	500.90	100.2

SAMPLE: CCV

File: IBE24A May 24, 2011 17:06

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12380.00	99.0
ARSENIC	500.0	495.90	99.2
BARIUM	500.0	490.50	98.1
CADMIUM	500.0	505.00	101.0
CALCIUM	12500.0	12770.00	102.2
CHROMIUM	500.0	508.90	101.8
IRON	12500.0	12670.00	101.4
LEAD	500.0	509.00	101.8
MAGNESIUM	12500.0	12500.00	100.0
SELENIUM	500.0	492.20	98.4
SILVER	500.0	503.00	100.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 18:00

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12590.00	100.7
ARSENIC	500.0	498.20	99.6
BARIUM	500.0	493.60	98.7
CADMIUM	500.0	515.30	103.1
CALCIUM	12500.0	13650.00	109.2
CHROMIUM	500.0	508.80	101.8
IRON	12500.0	12700.00	101.6
LEAD	500.0	498.30	99.7
MAGNESIUM	12500.0	13130.00	105.0
SELENIUM	500.0	490.90	98.2
SILVER	500.0	518.40	103.7

SAMPLE: CCV

File: IBE24A May 24, 2011 18:55

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12390.00	99.1
ARSENIC	500.0	497.40	99.5
BARIUM	500.0	486.70	97.3
CADMIUM	500.0	506.60	101.3
CALCIUM	12500.0	13040.00	104.3
CHROMIUM	500.0	513.50	102.7
IRON	12500.0	12730.00	101.8
LEAD	500.0	506.70	101.3
MAGNESIUM	12500.0	12460.00	99.7
SELENIUM	500.0	491.40	98.3
SILVER	500.0	506.50	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 19:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12340.00	98.7
ARSENIC	500.0	502.00	100.4
BARIUM	500.0	484.30	96.9
CADMIUM	500.0	510.60	102.1
CALCIUM	12500.0	13110.00	104.9
CHROMIUM	500.0	523.80	104.8
IRON	12500.0	12830.00	102.6
LEAD	500.0	516.20	103.2
MAGNESIUM	12500.0	12140.00	97.1
SELENIUM	500.0	500.50	100.1
SILVER	500.0	505.30	101.1

SAMPLE: CCV

File: IBE24A May 24, 2011 20:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
ARSENIC	500.0	506.50	101.3
BARIUM	500.0	490.10	98.0
CADMIUM	500.0	500.50	100.1
CALCIUM	12500.0	12310.00	98.5
CHROMIUM	500.0	520.80	104.2
IRON	12500.0	12950.00	103.6
LEAD	500.0	524.30	104.9
MAGNESIUM	12500.0	11640.00	93.1
SELENIUM	500.0	510.70	102.1
SILVER	500.0	505.10	101.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 21:39

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12570.00	100.6
ARSENIC	500.0	507.30	101.5
BARIUM	500.0	487.50	97.5
CADMIUM	500.0	498.30	99.7
CALCIUM	12500.0	12180.00	97.4
CHROMIUM	500.0	527.50	105.5
IRON	12500.0	13050.00	104.4
LEAD	500.0	532.60	106.5
MAGNESIUM	12500.0	11340.00	90.7
SELENIUM	500.0	512.20	102.4
SILVER	500.0	500.40	100.1

SAMPLE: CCV

File: IBE24A May 24, 2011 22:34

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
ARSENIC	500.0	509.20	101.8
BARIUM	500.0	485.50	97.1
CADMIUM	500.0	495.40	99.1
CALCIUM	12500.0	11770.00	94.2
CHROMIUM	500.0	530.50	106.1
IRON	12500.0	13090.00	104.7
LEAD	500.0	536.20	107.2
MAGNESIUM	12500.0	11140.00	89.1 *
SELENIUM	500.0	512.80	102.6
SILVER	500.0	500.40	100.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: PQL

File: HBE25A May 25, 2011 11:26

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.17	85.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: PQL

File: IBE24A May 24, 2011 15:03

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	315.70	105.2
ARSENIC	8.0	6.76	84.5
BARIUM	5.0	4.81	96.2
CADMIUM	5.0	4.94	98.8
CALCIUM	100.0	97.42	97.4
CHROMIUM	10.0	10.34	103.4
IRON	100.0	102.30	102.3
LEAD	5.0	4.87	97.4
MAGNESIUM	100.0	95.04	95.0
SELENIUM	10.0	9.67	96.7
SILVER	10.0	10.15	101.6

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICB

File: HBE25A May 25, 2011 11:24

Analyte	Result	C
MERCURY	-0.059	J

SAMPLE: CCB

File: HBE25A May 25, 2011 11:50

Analyte	Result	C
MERCURY	-0.044	J

SAMPLE: CCB

File: HBE25A May 25, 2011 12:15

Analyte	Result	C
MERCURY	-0.048	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: HBE25A May 25, 2011 12:36

Analyte	Result	C
MERCURY	-0.049	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICB

File: IBE24A May 24, 2011 14:59

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 15:22

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	-7.801	J
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 16:16

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	3.408	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB
File: IBE24A May 24, 2011 17:10

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-13.320	J
CHROMIUM	0.670	U
IRON	4.160	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB
File: IBE24A May 24, 2011 18:05

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	6.274	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB
File: IBE24A May 24, 2011 18:59

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	5.465	J
LEAD	1.630	U
MAGNESIUM	5.539	J
SELENIUM	5.690	U
SILVER	0.540	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB
File: IBE24A May 24, 2011 19:54

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-12.660	J
CHROMIUM	0.670	U
IRON	2.981	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB
File: IBE24A May 24, 2011 20:48

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-11.040	J
CHROMIUM	0.670	U
IRON	3.051	J
LEAD	1.630	U
MAGNESIUM	-11.740	J
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB
File: IBE24A May 24, 2011 21:43

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: IBE24A May 24, 2011 22:38

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-11.710	J
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBTI012A

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.039	J
ARSENIC	25	U
BARIUM	33.615	B
CADMIUM	0.478	J
CHROMIUM	2.555	J
LEAD	20	U
SELENIUM	35	U
SILVER	20	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWBE24HGW0

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.062	J

Katahdin Analytical Services A0000130

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWBE24ICW1

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24ICW1

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	5.0	U
BARIUM	3.0	U
CADMIUM	3.0	U
CHROMIUM	0.415	J
LEAD	4.0	U
SELENIUM	7.0	U
SILVER	4.0	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: SE2818

Concentration Units: ug/L

SAMPLE: ICSA

File: IBE24A May 24, 2011 15:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511400	102.3
ARSENIC	0	-1	
BARIUM	0	2	
CADMIUM	0	0	
CALCIUM	500000	461800	92.4
CHROMIUM	3	3	
IRON	200000	184400	92.2
LEAD	0	3	
MAGNESIUM	500000	469200	93.8
SELENIUM	0	5	
SILVER	0	-1	

SAMPLE: ICSAB

File: IBE24A May 24, 2011 15:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502400	100.5
ARSENIC	100	99	99.0
BARIUM	500	453	90.6
CADMIUM	1000	914	91.4
CALCIUM	500000	450900	90.2
CHROMIUM	500	470	94.0
IRON	200000	181700	90.8
LEAD	50	50	100.0
MAGNESIUM	500000	470900	94.2
SELENIUM	50	51	102.0
SILVER	200	213	106.5

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWBE24HGW0

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.25	105.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWBE24ICW1

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24ICW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	102.40	102.4	80	120
BARIUM	2000.0	2057.00	102.8	80	120
CADMIUM	250.0	255.70	102.3	80	120
CHROMIUM	200.0	222.00	111.0	80	120
LEAD	100.0	107.60	107.6	80	120
SELENIUM	100.0	104.60	104.6	80	120
SILVER	50.0	51.62	103.2	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 1/7/2011

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 2/17/2011

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	11.30	P
ARSENIC	8.0	2.55	P
BARIUM	5.0	0.27	P
CADMIUM	10	0.25	P
CALCIUM	100	10.10	P
CHROMIUM	15	0.67	P
IRON	100	2.62	P
LEAD	5.0	1.63	P
MAGNESIUM	100	4.33	P
SELENIUM	10	5.69	P
SILVER	15	0.54	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 2/9/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
MERCURY	0.10	ug/L	CV	SW846 7470A / 7470

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/19/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
ARSENIC	5.00	ug/L	P	SW846 3010A / 6010/200.7
BARIUM	3.00	ug/L	P	SW846 3010A / 6010/200.7
CADMIUM	3.00	ug/L	P	SW846 3010A / 6010/200.7
CHROMIUM	4.00	ug/L	P	SW846 3010A / 6010/200.7
LEAD	4.00	ug/L	P	SW846 3010A / 6010/200.7
SELENIUM	7.00	ug/L	P	SW846 3010A / 6010/200.7
SILVER	4.00	ug/L	P	SW846 3010A / 6010/200.7

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 2/9/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
MERCURY	0.01	ug/L	CV	SW846 7470A / SW846 7470A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/19/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ARSENIC	1.43	ug/L	P	SW846 3010A / SW846 6010B
BARIUM	0.23	ug/L	P	SW846 3010A / SW846 6010B
CADMIUM	0.05	ug/L	P	SW846 3010A / SW846 6010B
CHROMIUM	0.36	ug/L	P	SW846 3010A / SW846 6010B
LEAD	1.07	ug/L	P	SW846 3010A / SW846 6010B
SELENIUM	2.36	ug/L	P	SW846 3010A / SW846 6010B
SILVER	0.27	ug/L	P	SW846 3010A / SW846 6010B

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 4/29/2011

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0002086	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0429115	0.0	0.0	0.0
ANTIMONY	206.88	0.0000122	0.0	0.0000328	0.0	-0.0001492	0.0127235	0.0	0.0	0.0	-0.0003049	-0.0005901	0.0	-0.0014750
ARSENIC	189.04	0.0000070	0.0	-0.0001627	0.0	0.0	0.0005362	0.0	0.0	0.0	0.0009188	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0005721	0.0001425
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0377834	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0003106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009160	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	-0.0000059	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000151	0.0	0.0	-0.0000930	0.0	0.0	0.0	0.0	0.0002140	0.0021732	0.0
COPPER	327.40	0.0	0.0	-0.0000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0001092
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001215	0.0	0.0000341	0.0	0.0	0.0	0.0000540	0.0000406	0.0	-0.0012070	0.0002080	-0.0000711	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.50	0.0	0.0	0.0001162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0003128	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000138	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000509	0.0	0.0	0.0	0.0000689	0.0	0.0	0.0027299	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000289	0.0	0.0000050	0.0	-0.0001745	0.0	-0.0001909	0.0	0.0002049	0.0	0.0	0.0	-0.0001715
SILICON	251.61	0.0	0.0	-0.0001166	0.0	0.0	0.0	0.0	0.0	0.0	0.0115903	0.0	0.0009942	0.0
SILVER	328.07	0.0	0.0	-0.0003802	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0002850	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000038	0.0	-0.0000002	0.0	0.0	0.0	0.0032040	0.0001434	-0.0010500	0.0000740	0.0	-0.0006398	0.0001102
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001287	0.0	0.0	0.0	0.0004768	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000149	0.0	0.0	-0.0013158	0.0	0.0	-0.0008201	-0.0081695	0.0	0.0003853	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011406	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Katahdin Analytical Services A0000141

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 4/29/2011

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
ARSENIC	45.00	20000	P
BARIUM	5.00	20000	P
CADMIUM	45.00	20000	P
CALCIUM	5.00	1000000	P
CHROMIUM	10.00	20000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	1000000	P
SELENIUM	45.00	20000	P
SILVER	10.00	2000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** BE24HGW0

Matrix: WATER **SDG Name:** SE2818

Method: CV **Prep Date:** 05/24/2011

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWBE24HGW0	LCSWBE24HGW0	0.025	0.025
PBT1012A	PBT1012A	0.025	0.025
PBWBE24HGW0	PBWBE24HGW0	0.025	0.025
SITE6-IDW-2117	SE2818-006T	0.025	0.025
SITE6-IDW-5526	SE2818-008T	0.025	0.025
SITE6-IDW-782	SE2818-010T	0.025	0.025
SITE6-IDW-954	SE2818-012T	0.025	0.025

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** BE24ICW1

Matrix: WATER **SDG Name:** SE2818

Method: P **Prep Date:** 05/24/2011

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWBE24ICW1	LCSWBE24ICW1	0.05	0.05
PBT1012A	PBT1012A	0.01	0.05
PBWBE24ICW1	PBWBE24ICW1	0.05	0.05
SITE6-IDW-2117	SE2818-006T	0.01	0.05
SITE6-IDW-5526	SE2818-008T	0.01	0.05
SITE6-IDW-782	SE2818-010T	0.01	0.05
SITE6-IDW-954	SE2818-012T	0.01	0.05

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: CETAC M6100 **File Name:** HBE25A

Date: 5/25/2011 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	11:09	Hg
Standard #1 (0.2 pp		1	11:11	Hg
Standard #2 (0.5 pp		1	11:14	Hg
Standard #3 (1.0 pp		1	11:16	Hg
Standard #4 (5.0 pp		1	11:18	Hg
Standard #5 (10.0 p		1	11:20	Hg
ICV		1	11:22	HG
ICB		1	11:24	HG
PQL		1	11:26	HG
LCSWBE24HGW0		1	11:28	HG
PBWBE24HGW0		1	11:30	HG
PBT1012A		1	11:33	HG
ZZZZZZ		1	11:35	
ZZZZZZ		1	11:37	
ZZZZZZ		1	11:39	
ZZZZZZ		1	11:41	
ZZZZZZ		5	11:43	
ZZZZZZ		1	11:45	
CCV		1	11:47	HG
CCB		1	11:50	HG
ZZZZZZ		1	11:52	
ZZZZZZ		1	11:54	
ZZZZZZ		1	11:56	
ZZZZZZ		1	11:58	
ZZZZZZ		1	12:00	
ZZZZZZ		1	12:02	
ZZZZZZ		1	12:04	
ZZZZZZ		1	12:07	
ZZZZZZ		1	12:09	
SE2818-006T	SITE6-IDW-2117T	1	12:11	HG
CCV		1	12:13	HG
CCB		1	12:15	HG
SE2818-008T	SITE6-IDW-5526T	1	12:17	HG
SE2818-010T	SITE6-IDW-782T	1	12:19	HG
SE2818-012T	SITE6-IDW-954T	1	12:21	HG
ZZZZZZ		1	12:24	
ZZZZZZ		1	12:26	
ZZZZZZ		1	12:28	
ZZZZZZ		1	12:30	
ZZZZZZ		1	12:32	
CCV		1	12:34	HG
CCB		1	12:36	HG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:45	AL	AS BA	CD CA CR	FE PB MG	SE	AG
Std 1		1	14:50	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ICV		1	14:54	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ICB		1	14:59	AL	AS BA	CD CA CR	FE PB MG	SE	AG
PQL		1	15:03	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ICSA		1	15:08	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ICSAB		1	15:13	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCV		1	15:17	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	15:22	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		10	15:26						
ZZZZZZ		25	15:31						
ZZZZZZ		1	15:35						
ZZZZZZ		1	15:40						
ZZZZZZ		1	15:44						
ZZZZZZ		1	15:49						
ZZZZZZ		1	15:54						
ZZZZZZ		1	15:58						
ZZZZZZ		1	16:03						
ZZZZZZ		1	16:07						
CCV		1	16:12	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	16:16	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		1	16:21						
ZZZZZZ		1	16:25						
ZZZZZZ		1	16:30						
ZZZZZZ		1	16:34						
ZZZZZZ		1	16:39						
ZZZZZZ		1	16:43						
ZZZZZZ		1	16:48						
ZZZZZZ		1	16:52						
ZZZZZZ		1	16:57						
ZZZZZZ		1	17:01						
CCV		1	17:06	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	17:10	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		5	17:15						
ZZZZZZ		1	17:19						
ZZZZZZ		1	17:24						
ZZZZZZ		1	17:28						
ZZZZZZ		1	17:33						
ZZZZZZ		1	17:37						
ZZZZZZ		1	17:42						
ZZZZZZ		1	17:47						
ZZZZZZ		1	17:51						
ZZZZZZ		1	17:56						
CCV		1	18:00	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	18:05	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		1	18:09						
ZZZZZZ		1	18:14						
ZZZZZZ		1	18:18						
ZZZZZZ		1	18:23						
ZZZZZZ		1	18:27						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		5	18:32						
ZZZZZZ		1	18:37						
ZZZZZZ		1	18:41						
ZZZZZZ		1	18:46						
ZZZZZZ		1	18:50						
CCV		1	18:55	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	18:59	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		1	19:04						
ZZZZZZ		1	19:08						
ZZZZZZ		1	19:13						
ZZZZZZ		1	19:17						
ZZZZZZ		1	19:22						
ZZZZZZ		1	19:26						
ZZZZZZ		1	19:31						
ZZZZZZ		1	19:36						
ZZZZZZ		1	19:40						
ZZZZZZ		1	19:45						
CCV		1	19:49	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	19:54	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		5	19:58						
ZZZZZZ		1	20:03						
ZZZZZZ		1	20:07						
ZZZZZZ		1	20:12						
ZZZZZZ		1	20:16						
ZZZZZZ		1	20:21						
ZZZZZZ		1	20:25						
ZZZZZZ		1	20:30						
ZZZZZZ		1	20:35						
ZZZZZZ		1	20:39						
CCV		1	20:44	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	20:48	AL	AS BA	CD CA CR	FE PB MG	SE	AG
ZZZZZZ		1	20:53						
ZZZZZZ		1	20:57						
ZZZZZZ		1	21:02						
ZZZZZZ		1	21:06						
ZZZZZZ		50	21:11						
ZZZZZZ		50	21:16						
PBWBE24ICW1		1	21:20		AS BA	CD CR	PB	SE	AG
LCSWBE24ICW1		1	21:25		AS BA	CD CR	PB	SE	AG
PBT1012A		1	21:29		AS BA	CD CR	PB	SE	AG
ZZZZZZ		1	21:34						
CCV		1	21:39	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	21:43	AL	AS BA	CD CA CR	FE PB MG	SE	AG
SE2818-006T	SITE6-IDW-2117T	1	21:48		AS BA	CD CR	PB	SE	AG
SE2818-008T	SITE6-IDW-5526T	1	21:52		AS BA	CD CR	PB	SE	AG
SE2818-010T	SITE6-IDW-782T	1	21:57		AS BA	CD CR	PB	SE	AG
SE2818-012T	SITE6-IDW-954T	1	22:02		AS BA	CD CR	PB	SE	AG
ZZZZZZ		1	22:06						
ZZZZZZ		1	22:11						
ZZZZZZ		1	22:16						
ZZZZZZ		1	22:20						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	22:25						
ZZZZZZ		1	22:29						
CCV		1	22:34	AL	AS BA	CD CA CR	FE PB MG	SE	AG
CCB		1	22:38	AL	AS BA	CD CA CR	FE PB MG	SE	AG

FORM XIV - IN

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-1
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S001	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:50:00	ASTM D2216	06-JUN-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-2
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S002	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	93. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:51:00	ASTM D2216	06-JUN-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-3
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S003	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	88. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:52:00	ASTM D2216	06-JUN-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-4
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S004	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:53:00	ASTM D2216	06-JUN-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-5
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S005	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:54:00	ASTM D2216	06-JUN-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-6
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-2117	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:02	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 15:22:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27	20	SW846 7.3.4	WG92001	25-MAY-11 09:53:00	SW846 7.3.4	25-MAY-11	
Total Solids	91. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:02:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:19:00	SW846 9045C	23-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-7
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-2117	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	91. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:02:00	ASTM D2216	25-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-8
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-5526	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:05	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:07:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27	20	SW846 7.3.4	WG92001	25-MAY-11 09:59:00	SW846 7.3.4	25-MAY-11	
Total Solids	90. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:03:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:25:00	SW846 9045C	23-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-9
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-5526	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:03:00	ASTM D2216	25-MAY-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-10
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-782	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:06	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:30:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27.	20	SW846 7.3.4	WG92001	25-MAY-11 10:02:00	SW846 7.3.4	25-MAY-11	
Total Solids	94. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:04:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:27:00	SW846 9045C	23-MAY-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk, VA 23517-1132

Lab Sample ID: SE2818-11
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-782	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	94. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:04:00	ASTM D2216	25-MAY-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-12
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-954	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:07	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:45:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27.	20	SW846 7.3.4	WG92001	25-MAY-11 10:04:00	SW846 7.3.4	25-MAY-11	
Total Solids	92. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:05:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.7 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:29:00	SW846 9045C	23-MAY-11	

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-13
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-954	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	92. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:05:00	ASTM D2216	25-MAY-11	

Quality Control Report

Blank Sample Summary Report

Cyanide, Reactive

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92049	SW846 7.3.3	26-MAY-11	25-MAY-11	U 0.80 mg/Kg	1.0 mg/Kg	0.80

Ignitability

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG91956	SW846 1010	23-MAY-11	N/A	> 71. Deg. C	71. Deg. C	N/A

Sulfide,Reactive

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92001	SW846 7.3.4	25-MAY-11	25-MAY-11	U 20. mg/Kg	27. mg/Kg	20.

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92019	ASTM D2216	26-MAY-11	25-MAY-11	U 1 %	1 %	N/A
MBLANK	WG92542	ASTM D2216	07-JUN-11	06-JUN-11	U 1 %	1 %	N/A

Quality Control Report

Laboratory Control Sample Summary Report

Cyanide, Reactive

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92049-2	LCS	WG92049	26-MAY-11	25-MAY-11	mg/Kg	5	1.8	37	0-100	

Ignitability

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG91956-2	LCS	WG91956	23-MAY-11	N/A	Deg. C	27	27.	100	80-120	
WG91956-4	LCSD	WG91956	23-MAY-11	N/A	Deg. C	27	25.	92	80-120	8

Sulfide,Reactive

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92001-2	LCS	WG92001	25-MAY-11	25-MAY-11	mg/Kg	852.24	460	54	50-150	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92019-2	LCS	WG92019	26-MAY-11	25-MAY-11	%	90	90.	100	80-120	
WG92542-2	LCS	WG92542	07-JUN-11	06-JUN-11	%	90	90.	100	80-120	

pH(Soil)

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG91941-1	LCS	WG91941	23-MAY-11	23-MAY-11	pH	7	7.0	100	80-120	

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Cert No E87604

Quality Control Report

Duplicate Sample Summary Report

Cyanide, Reactive

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG92049-3	SE2818-6	WG92049	26-MAY-11	mg/Kg	U 0.8	U ~~1.0~~ 0.8	NC	20

Ignitability

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG91956-3	SE2818-6	WG91956	23-MAY-11	Deg. C	> 71.	> 71.	NC	20

Sulfide,Reactive

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG92001-3	SE2818-6	WG92001	25-MAY-11	mg/Kg	U 20	U 20	NC	20

pH(Soil)

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG91941-2	SE2818-6	WG91941	23-MAY-11	pH	7.8	7.8	1	20

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Quality Control Report

Matrix Spike Sample Summary Report

Cyanide, Reactive

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG92049-4	MS	SE2818-6	WG92049	26-MAY-11	mg/Kg	4.99	U 1.0	1.6	32	0 - 100

Sulfide,Reactive

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG92001-4	MS	SE2818-6	WG92001	25-MAY-11	mg/Kg	848	U 27	580	68	50 - 150

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6DL
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		2300	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		106.	%					
Toluene-D8		100.	%					
p-Bromofluorobenzene		98.5	%					
Dibromofluoromethane		102.	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8DL
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		1700	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		99.6	%					
Toluene-D8		99.1	%					
p-Bromofluorobenzene		96.6	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		710	ug/L	20	5	100	4.4	10.
Chloroform	J	9.5	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		105.	%					
Toluene-D8		106.	%					
p-Bromofluorobenzene		101.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		980	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		107.	%					
Toluene-D8		105.	%					
p-Bromofluorobenzene		102.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	0.50	ug/L	1	5	5.0	0.26	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chlorobenzene	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chloroform	U	0.50	ug/L	1	5	5.0	0.32	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	5	5.0	0.20	0.50
1,1-Dichloroethene	U	0.50	ug/L	1	5	5.0	0.35	0.50
2-Butanone	U	2.5	ug/L	1	15	15.	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	5	5.0	0.40	0.50
Trichloroethene	U	0.50	ug/L	1	5	5.0	0.28	0.50
Vinyl Chloride	U	1.0	ug/L	1	5	5.0	0.25	1.0
1,2-Dichloroethane-D4		102.	%					
Toluene-D8		110.	%					
p-Bromofluorobenzene		102.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client:
Lab ID: WG91953-5
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	0.50	ug/L	1	5	5.0	0.26	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chlorobenzene	J	2.0	ug/L	1	5	5.0	0.22	0.50
Chloroform	U	0.50	ug/L	1	5	5.0	0.32	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	5	5.0	0.20	0.50
1,1-Dichloroethene	U	0.50	ug/L	1	5	5.0	0.35	0.50
2-Butanone	U	2.5	ug/L	1	15	15.	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	5	5.0	0.40	0.50
Trichloroethene	U	0.50	ug/L	1	5	5.0	0.28	0.50
Vinyl Chloride	U	1.0	ug/L	1	5	5.0	0.25	1.0
1,2-Dichloroethane-D4		103.	%					
Toluene-D8		98.7	%					
p-Bromofluorobenzene		95.1	%					
Dibromofluoromethane		101.	%					

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FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-LCS	WG91953-1	84*	80	83*	78	2
02	WG91953-BLANK	WG91953-2	105	102	110	102	0
03	WG91953-TCLPBLANK	WG91953-5	101	103	99	95	0
04	SITE6-IDW-2117	SE2818-6DL	102	106	100	98	0
05	SITE6-IDW-5526	SE2818-8DL	103	100	99	96	0
06	SITE6-IDW-782	SE2818-10DL	104	105	106	101	0
07	SITE6-IDW-954	SE2818-12DL	105	107	105	102	0
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
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22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(85-115)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(70-120)
SMC3 (TOL)	= Toluene-D8	(85-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Benzene	99.6	50.0	49.8	ug/L	80-120
Carbon Tetrachloride	94.0	50.0	47.0	ug/L	65-140
Chlorobenzene	93.2	50.0	46.6	ug/L	80-120
Chloroform	98.6	50.0	49.3	ug/L	65-135
1,2-Dichloroethane	95.0	50.0	47.5	ug/L	70-130
1,1-Dichloroethene	101.	50.0	50.5	ug/L	70-130
2-Butanone	109.	50.0	54.4	ug/L	30-150
Tetrachloroethene	99.4	50.0	49.7	ug/L	45-150
Trichloroethene	96.2	50.0	48.1	ug/L	70-125
Vinyl Chloride	110.	50.0	55.0	ug/L	50-145
1,2-Dichloroethane-D4	80.4				70-120
Toluene-D8	* 82.6				85-120
p-Bromofluorobenzene	77.6				75-120
Dibromofluoromethane	* 84.3				85-115

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FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91953-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2300B Lab Sample ID: WG91953-2

Date Analyzed: 05/24/11 Time Analyzed: 1913

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	WG91953-LCS	WG91953-1	T2298B	05/24/11	1755
02	WG91953-TCLPBLANK	WG91953-5	T2301	05/24/11	1946
03	SITE6-IDW-2117	SE2818-6DL	T2307	05/24/11	2302
04	SITE6-IDW-5526	SE2818-8DL	T2308	05/24/11	2335
05	SITE6-IDW-782	SE2818-10DL	T2309	05/25/11	0007
06	SITE6-IDW-954	SE2818-12DL	T2310	05/25/11	0040
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB266 BFB Injection Date: 05/24/11

Instrument ID: GCMS-T BFB Injection Time: 1245

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	20.3
75	30.0 - 60.0% of mass 95	36.6
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	87.0
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	95.0 - 101.0% of mass 174	84.2 (96.9)1
177	5.0 - 9.0% of mass 176	5.3 (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		VSTD050T24C	T2292	05/24/11	1306
02		VSTD200T24A	T2293	05/24/11	1400
03		VSTD100T24A	T2294	05/24/11	1432
04		VSTD020T24A	T2295	05/24/11	1504
05		VSTD005T24A	T2296	05/24/11	1537
06		VSTD001T24A	T2297	05/24/11	1610
07		IND CHECK	T2298A	05/24/11	1755
08	WG91953-LCS	WG91953-1	T2298B	05/24/11	1755
09	WG91953-BLANK	WG91953-2	T2300B	05/24/11	1913
10	WG91953-TCLPBLANK	WG91953-5	T2301	05/24/11	1946
11	SITE6-IDW-2117	SE2818-6DL	T2307	05/24/11	2302
12	SITE6-IDW-5526	SE2818-8DL	T2308	05/24/11	2335
13	SITE6-IDW-782	SE2818-10DL	T2309	05/25/11	0007
14	SITE6-IDW-954	SE2818-12DL	T2310	05/25/11	0040
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Benzene	1.334	1.919	1.735	1.608	1.480	1.364	AVRG		1.57330956	14.397	15.000	
Carbon Tetrachloride	2663	28207	131240	354740	628090	1372600	LINR	8.951e-003	1.77280433	0.99982	0.99000	
Chlorobenzene	1.375	1.574	1.539	1.448	1.430	1.435	AVRG		1.46680368	5.096	15.000	
Chloroform	0.975	1.408	1.360	1.284	1.220	1.204	AVRG		1.24184738	12.291	15.000	
1,2-Dichloroethane	0.540	0.670	0.594	0.566	0.572	0.574	AVRG		0.58614875	7.590	15.000	
1,1-Dichloroethene	0.594	0.829	0.794	0.718	0.701	0.688	AVRG		0.72070614	11.553	15.000	
2-Butanone	0.163	0.244	0.225	0.246	0.213	0.200	AVRG		0.21507508	14.398	15.000	
Tetrachloroethene	0.457	0.593	0.632	0.550	0.538	0.528	AVRG		0.54953771	10.856	15.000	
Trichloroethene	0.420	0.544	0.508	0.448	0.420	0.370	AVRG		0.45168039	14.124	15.000	
Vinyl chloride	0.635	0.975	0.811	0.938	0.692	0.888	AVRG		0.82327207	16.563	15.000	<-
Dibromofluoromethane	0.579	0.757	0.748	0.752	0.678	0.654	AVRG		0.69462076	10.239	15.000	
1,2-Dichloroethane-D4	0.540	0.669	0.615	0.644	0.613	0.581	AVRG		0.61044768	7.474	15.000	
Toluene-D8	1.183	1.553	1.377	1.335	1.214	1.092	AVRG		1.29224190	12.731	15.000	
P-Bromofluorobenzene	0.601	0.628	0.532	0.528	0.478	0.435	AVRG		0.53370124	13.562	15.000	

FORM VI VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2295 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1504

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	365650	9.89	556638	10.55	435651	14.10
UPPER LIMIT	731300	10.39	1113276	11.05	871302	14.60
LOWER LIMIT	182825	9.39	278319	10.05	217826	13.60

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	417431	9.88	628934	10.55	485875	14.09
02	WG91953-BLANK	WG91953-2	349701	9.87	508528	10.54	429238	14.09
03	WG91953-TCLPBLANK	WG91953-5	338920	9.87	517048	10.53	421763	14.09
04	SITE6-IDW-2117	SE2818-6DL	363961	9.87	556672	10.54	438604	14.09
05	SITE6-IDW-5526	SE2818-8DL	361667	9.87	549162	10.53	440967	14.09
06	SITE6-IDW-782	SE2818-10DL	343496	9.86	516159	10.53	429804	14.08
07	SITE6-IDW-954	SE2818-12DL	346412	9.86	517849	10.53	428921	14.08
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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2295 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1504

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	237135	17.27				
UPPER LIMIT	474270	17.77				
LOWER LIMIT	118568	16.77				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	272425	17.27				
02	WG91953-BLANK	WG91953-2	220386	17.26				
03	WG91953-TCLPBLANK	WG91953-5	232200	17.26				
04	SITE6-IDW-2117	SE2818-6DL	243956	17.26				
05	SITE6-IDW-5526	SE2818-8DL	236315	17.26				
06	SITE6-IDW-782	SE2818-10DL	226834	17.25				
07	SITE6-IDW-954	SE2818-12DL	229789	17.26				
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

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		40.4	%					
Phenol-D6		26.6	%					
Nitrobenzene-D5		59.9	%					
2-Fluorobiphenyl		60.2	%					
2,4,6-Tribromophenol		66.6	%					
Terphenyl-D14		75.0	%					

600 Technology Way
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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		39.0	%					
Phenol-D6		26.4	%					
Nitrobenzene-D5		58.4	%					
2-Fluorobiphenyl		60.4	%					
2,4,6-Tribromophenol		56.4	%					
Terphenyl-D14		68.9	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		40.5	%					
Phenol-D6		26.9	%					
Nitrobenzene-D5		63.4	%					
2-Fluorobiphenyl		67.8	%					
2,4,6-Tribromophenol		62.2	%					
Terphenyl-D14		75.2	%					

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		41.8	%					
Phenol-D6		27.3	%					
Nitrobenzene-D5		69.6	%					
2-Fluorobiphenyl		69.7	%					
2,4,6-Tribromophenol		70.0	%					
Terphenyl-D14		78.4	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91918-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	38.	ug/L	1	50	50.	1.5	38.
1,4-Dichlorobenzene	U	7.5	ug/L	1	10	10.	2.2	7.5
2-Methylphenol	U	7.5	ug/L	1	10	10.	3.8	7.5
3&4-Methylphenol	U	7.5	ug/L	1	10	10.	5.6	7.5
Hexachloroethane	U	7.5	ug/L	1	10	10.	2.3	7.5
Nitrobenzene	U	7.5	ug/L	1	10	10.	3.1	7.5
Hexachlorobutadiene	U	7.5	ug/L	1	10	10.	1.8	7.5
2,4,6-Trichlorophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
2,4,5-Trichlorophenol	U	19.	ug/L	1	25	25.	3.6	19.
2,4-Dinitrotoluene	U	7.5	ug/L	1	10	10.	2.2	7.5
Hexachlorobenzene	U	7.5	ug/L	1	10	10.	2.1	7.5
Pentachlorophenol	U	19.	ug/L	1	25	25.	2.3	19.
2-Fluorophenol		38.3	%					
Phenol-D6		24.8	%					
Nitrobenzene-D5		56.2	%					
2-Fluorobiphenyl		59.1	%					
2,4,6-Tribromophenol		57.8	%					
Terphenyl-D14		70.6	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91918-6
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		51.4	%					
Phenol-D6		35.1	%					
Nitrobenzene-D5		69.7	%					
2-Fluorobiphenyl		68.3	%					
2,4,6-Tribromophenol		65.3	%					
Terphenyl-D14		73.2	%					

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FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG91918-BLANK	WG91918-1	38	25	56	59	58	70			0
02	WG91918-LCS	WG91918-2	44	28	67	72	73	74			0
03	WG91918-LCSD	WG91918-3	43	27	62	68	67	68			0
04	SITE6-IDW-2117	SE2818-6	40	27	60	60	66	75			0
05	SITE6-IDW-5526	SE2818-8	39	26	58	60	56	69			0
06	SITE6-IDW-782	SE2818-10	40	27	63	68	62	75			0
07	SITE6-IDW-954	SE2818-12	42	27	70	70	70	78			0
08	WG91918-TCLPBLANK	WG91918-6	51	35	70	68	65	73			0
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20-110)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(40-110)
S4 (FBP)	= 2-Fluorobiphenyl	(50-110)
S5 (TBP)	= 2,4,6-Tribromophenol	(40-125)
S6 (TPH)	= Terphenyl-D14	(50-135)

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

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91918-2
LCSD ID: WG91918-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Pyridine	50.0	10.5	21.0	18.2	36.4	ug/L	54*	30	10-96
1,4-Dichlorobenzene	50.0	36.6	73.2	34.7	69.4	ug/L	5	30	30-100
2-Methylphenol	100.	58.7	58.7	57.0	57.0	ug/L	3	30	40-110
3&4-Methylphenol	100.	51.4	51.4	49.2	49.2	ug/L	4	30	30-110
Hexachloroethane	50.0	36.0	72.0	33.5	67.0	ug/L	7	30	30-100
Nitrobenzene	50.0	39.1	78.2	37.3	74.6	ug/L	5	30	45-110
Hexachlorobutadiene	50.0	32.3	64.6	30.4	60.8	ug/L	6	30	25-105
2,4,6-Trichlorophenol	100.	79.6	79.6	75.6	75.6	ug/L	5	30	50-115
2,4,5-Trichlorophenol	100.	83.1	83.1	78.8	78.8	ug/L	5	30	50-110
2,4-Dinitrotoluene	50.0	49.1	98.2	44.0	88.0	ug/L	11	30	50-120
Hexachlorobenzene	50.0	36.1	72.2	33.6	67.2	ug/L	7	30	50-110
Pentachlorophenol	100.	84.3	84.3	74.4	74.4	ug/L	12	30	40-115
2-Fluorophenol			44.1		42.9				20-110
Phenol-D6			28.3		27.3				10-115
Nitrobenzene-D5			67.0		62.0				40-110
2-Fluorobiphenyl			72.4		68.4				50-110
2,4,6-Tribromophenol			72.6		67.3				40-125
Terphenyl-D14			73.6		67.5				50-135

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FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91918-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: U5836A Lab Sample ID: WG91918-1

Instrument ID: GCMS-U Date Extracted: 05/24/11

Matrix: (soil/water) WATER Date Analyzed: 05/25/11

Level:(low/med) LOW Time Analyzed: 1158

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	WG91918-LCS	WG91918-2	U5837A	05/25/11	1242
02	WG91918-LCSD	WG91918-3	U5838A	05/25/11	1326
03	SITE6-IDW-2117	SE2818-6	U5843	05/25/11	1707
04	SITE6-IDW-5526	SE2818-8	U5844	05/25/11	1752
05	SITE6-IDW-782	SE2818-10	U5845	05/25/11	1836
06	SITE6-IDW-954	SE2818-12	U5846	05/25/11	1920
07	WG91918-TCLPBLANK	WG91918-6	U5847	05/25/11	2004
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVSV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD576 DFTPP Injection Date: 05/23/11

Instrument ID: GCMS-U DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	37.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	4.0
441	0.0 - 100.0% of mass 443	15.1 (81.9)2
442	40.0 - 100.0% of mass 198	94.1
443	17.0 - 23.0% of mass 442	18.4 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0523	U5802A	05/23/11	1200
02		SSTD010U0523	U5803A	05/23/11	1246
03		SSTD025U0523	U5804A	05/23/11	1330
04		SSTD075U0523	U5805A	05/23/11	1415
05		SSTD100U0523	U5806A	05/23/11	1459
06		SSTD125U0523	U5807A	05/23/11	1543
07		8270C IND CHEC	U5808A	05/23/11	1628
08					
09					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD578 DFTPP Injection Date: 05/25/11

Instrument ID: GCMS-U DFTPP Injection Time: 1054

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.3 (0.7)1
69	Less than 100.0% of mass 198	37.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	20.5
365	1.0 - 100.0% of mass 198	2.9
441	0.0 - 100.0% of mass 443	10.8 (82.5)2
442	40.0 - 100.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	13.1 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0525	U5835A	05/25/11	1113
02	WG91918-BLANK	WG91918-1	U5836A	05/25/11	1158
03	WG91918-LCS	WG91918-2	U5837A	05/25/11	1242
04	WG91918-LCSD	WG91918-3	U5838A	05/25/11	1326
05	SITE6-IDW-2117	SE2818-6	U5843	05/25/11	1707
06	SITE6-IDW-5526	SE2818-8	U5844	05/25/11	1752
07	SITE6-IDW-782	SE2818-10	U5845	05/25/11	1836
08	SITE6-IDW-954	SE2818-12	U5846	05/25/11	1920
09	WG91918-TCLPBLANK	WG91918-6	U5847	05/25/11	2004
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: RTX-5SILMS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803A RF25: U5804A RF50: U5802A
RF75: U5805A RF100: U5806A RF125: U5807A

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Pyridine	1.204	1.306	1.121	1.286	1.128	1.131	AVRG	1.19587060	6.966	15.000
1,4-Dichlorobenzene	1.359	1.331	1.249	1.246	1.115	1.066	AVRG	1.22771655	9.456	15.000
2-Methylphenol	0.939	0.955	0.916	0.938	0.902	0.940	AVRG	0.93159490	2.054	15.000
3&4-Methylphenol	1.070	1.074	1.026	1.001	0.923	0.873	AVRG	0.99437439	8.157	15.000
Hexachloroethane	0.532	0.497	0.469	0.454	0.412	0.412	AVRG	0.46268347	10.214	15.000
Nitrobenzene	0.292	0.286	0.271	0.279	0.251	0.245	AVRG	0.27065908	7.070	15.000
Hexachlorobutadiene	0.181	0.182	0.171	0.169	0.149	0.142	AVRG	0.16583664	10.004	15.000
2,4,6-Trichlorophenol	0.332	0.346	0.323	0.324	0.307	0.293	AVRG	0.32100644	5.824	15.000
2,4,5-Trichlorophenol	0.335	0.358	0.349	0.370	0.347	0.330	AVRG	0.34825559	4.185	15.000
2,4-Dinitrotoluene	0.324	0.313	0.289	0.284	0.262	0.249	AVRG	0.28674032	10.041	15.000
Hexachlorobenzene	0.228	0.229	0.229	0.232	0.225	0.228	AVRG	0.22849444	0.964	15.000
Pentachlorophenol	0.097	0.118	0.133	0.141	0.131	0.138	AVRG	0.12647509	12.896	15.000
2-Fluorophenol	1.098	1.122	1.083	1.084	1.008	0.989	AVRG	1.06405883	4.989	15.000
Phenol-D6	1.256	1.279	1.250	1.268	1.155	1.175	AVRG	1.23050938	4.229	15.000
Nitrobenzene-D5	0.292	0.290	0.275	0.285	0.270	0.267	AVRG	0.28005441	3.764	15.000
2-Fluorobiphenyl	1.120	1.087	1.014	1.004	0.940	0.875	AVRG	1.00685101	9.018	15.000
2,4,6-Tribromophenol	0.189	0.189	0.191	0.190	0.182	0.176	AVRG	0.18610377	3.323	15.000
Terphenyl-D14	0.900	0.772	0.851	0.817	0.697	0.750	AVRG	0.79793268	9.195	15.000

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835A Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: RTX-5SILMS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Pyridine	1.1960000	1.2540000	0.01	4.85	20.00	AVRG	
1,4-Dichlorobenzene	1.2280000	1.1651000	0.01	-5.12	20.01	AVRG	
2-Methylphenol	0.9320000	0.9003900	0.01	-3.39	20.00	AVRG	
3&4-Methylphenol	0.9940000	0.9887700	0.01	-0.53	20.00	AVRG	
Hexachloroethane	0.4630000	0.4150000	0.01	-10.37	20.00	AVRG	
Nitrobenzene	0.2710000	0.2648700	0.01	-2.26	20.00	AVRG	
Hexachlorobutadiene	0.1660000	0.1425600	0.01	-14.12	20.01	AVRG	
2,4,6-Trichlorophenol	0.3210000	0.3099400	0.01	-3.44	20.01	AVRG	
2,4,5-Trichlorophenol	0.3480000	0.3421500	0.01	-1.68	20.00	AVRG	
2,4-Dinitrotoluene	0.2870000	0.2736000	0.01	-4.67	20.00	AVRG	
Hexachlorobenzene	0.2280000	0.1962400	0.01	-13.93	20.00	AVRG	
Pentachlorophenol	0.1260000	0.1184900	0.01	-5.96	20.01	AVRG	
2-Fluorophenol	1.0640000	1.0731000	0.01	0.86	20.00	AVRG	
Phenol-D6	1.2300000	1.2074000	0.01	-1.84	20.00	AVRG	
Nitrobenzene-D5	0.2800000	0.2692500	0.01	-3.84	20.00	AVRG	
2-Fluorobiphenyl	1.0070000	0.9600200	0.01	-4.66	20.00	AVRG	
2,4,6-Tribromophenol	0.1860000	0.1462200	0.01	-21.39	20.00	AVRG	<-
Terphenyl-D14	0.7980000	0.6883100	0.01	-13.75	20.00	AVRG	

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802A Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	327345	8.76	1261487	11.61	688599	15.76
UPPER LIMIT	654690	9.26	2522974	12.11	1377198	16.26
LOWER LIMIT	163673	8.26	630744	11.11	344300	15.26

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	351292	8.76	1284936	11.60	663785	15.75
02	WG91918-BLANK	WG91918-1	354658	8.76	1316344	11.60	678748	15.75
03	WG91918-LCS	WG91918-2	351602	8.76	1293080	11.60	666074	15.75
04	WG91918-LCSD	WG91918-3	318582	8.76	1160168	11.60	595449	15.75
05	SITE6-IDW-2117	SE2818-6	432357	8.76	1475015	11.60	813251	15.75
06	SITE6-IDW-5526	SE2818-8	395350	8.76	1371290	11.60	721107	15.75
07	SITE6-IDW-782	SE2818-10	450990	8.76	1617418	11.60	846416	15.75
08	SITE6-IDW-954	SE2818-12	415865	8.76	1492223	11.60	773187	15.75
09	WG91918-TCLPBLANK	WG91918-6	418643	8.76	1405329	11.60	780467	15.75
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802A Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1066957	19.23	669261	25.53	342377	28.69
UPPER LIMIT	2133914	19.73	1338522	26.03	684754	29.19
LOWER LIMIT	533479	18.73	334631	25.03	171189	28.19

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	992895	19.22	683033	25.52	454145	28.68
02	WG91918-BLANK	WG91918-1	1121661	19.21	830765	25.51	598975	28.68
03	WG91918-LCS	WG91918-2	1104208	19.21	779052	25.52	518526	28.68
04	WG91918-LCSD	WG91918-3	976623	19.21	682308	25.52	489909	28.68
05	SITE6-IDW-2117	SE2818-6	1292329	19.20	885916	25.52	487930	28.67
06	SITE6-IDW-5526	SE2818-8	1104409	19.21	764628	25.52	496391	28.68
07	SITE6-IDW-782	SE2818-10	1426692	19.21	1026478	25.52	548041	28.68
08	SITE6-IDW-954	SE2818-12	1208262	19.20	789813	25.52	500959	28.68
09	WG91918-TCLPBLANK	WG91918-6	1161913	19.20	808768	25.52	486480	28.68
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 91.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		73.0	%					
Decachlorobiphenyl		89.2	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		64.0	%					
Decachlorobiphenyl		90.4	%					

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Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 94.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		69.2	%					
Decachlorobiphenyl		90.0	%					

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 92.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		71.6	%					
Decachlorobiphenyl		87.0	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91926-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.025	ug/L	1	.05	0.050	0.0072	0.025
Heptachlor	U	0.025	ug/L	1	.05	0.050	0.0080	0.025
Heptachlor Epoxide	U	0.025	ug/L	1	.05	0.050	0.0074	0.025
Endrin	U	0.050	ug/L	1	.1	0.10	0.0084	0.050
Methoxychlor	U	0.25	ug/L	1	.5	0.50	0.0084	0.25
Technical Chlordane	U	0.25	ug/L	1	.5	0.50	0.083	0.25
Toxaphene	U	0.50	ug/L	1	1	1.0	0.17	0.50
Tetrachloro-M-Xylene		86.8	%					
Decachlorobiphenyl		89.8	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91926-6
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		76.4	%					
Decachlorobiphenyl		89.4	%					

600 Technology Way
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Tel:(207) 874-2400 Fax:(207) 775-4029

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FORM 2
WATER PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE-2ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-1ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	SITE6-IDW-2117	SE2818-6	70	73	89	89			0
02	SITE6-IDW-5526	SE2818-8	62	64	88	90			0
03	SITE6-IDW-782	SE2818-10	67	69	87	90			0
04	SITE6-IDW-954	SE2818-12	69	72	81	87			0
05	WG91926-BLANK	WG91926-1	87	86	88	90			0
06	WG91926-LCS	WG91926-2	74	76	83	88			0
07	WG91926-LCSD	WG91926-3	77	79	79	83			0
08	WG91926-LCS1	WG91926-4	72	74	88	90			0
09	WG91926-LCS2	WG91926-5	81	81	82	89			0
10	WG91926-TCLPBLANK	WG91926-6	74	76	87	89			0
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (25-140)
S2 (DCB) = Decachlorobiphenyl (30-135)

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

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91926-2
LCSD ID: WG91926-3
Project:
SDG: SE2818
Report Date: 08-JUN-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
gamma-BHC	0.500	0.449	89.8	0.441	88.2	ug/L	2	30	25-135
Heptachlor	0.500	0.509	102.	0.495	99.0	ug/L	3	30	40-130
Heptachlor Epoxide	0.500	0.455	91.0	0.435	87.0	ug/L	4	30	60-130
Endrin	0.500	0.469	93.8	0.444	88.8	ug/L	5	30	55-135
Methoxychlor	0.500	0.568	114.	0.518	104.	ug/L	9	30	55-150
Tetrachloro-M-Xylene			76.5		79.3				25-140
Decachlorobiphenyl			88.0		83.0				30-135

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FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-2 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
gamma-BHC	1	5.01	4.96	5.06	0.434	
	2	5.07	5.02	5.12	0.449	3.4
Heptachlor	1	5.54	5.50	5.60	0.479	
	2	5.87	5.82	5.92	0.509	6.1
Heptachlor Epoxide	1	6.75	6.68	6.82	0.431	
	2	6.96	6.89	7.03	0.455	5.4
Endrin	1	8.16	8.09	8.23	0.447	
	2	8.24	8.17	8.31	0.469	4.8
Methoxychlor	1	9.62	9.55	9.69	0.567	
	2	9.65	9.58	9.72	0.568	0.2
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-3 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
gamma-BHC	1	5.02	4.96	5.06	0.410	
	2	5.07	5.02	5.12	0.441	7.3
Heptachlor	1	5.55	5.50	5.60	0.446	
	2	5.87	5.82	5.92	0.495	10.4
Heptachlor Epoxide	1	6.75	6.68	6.82	0.414	
	2	6.96	6.89	7.03	0.435	4.9
Endrin	1	8.16	8.09	8.23	0.413	
	2	8.24	8.17	8.31	0.444	7.2
Methoxychlor	1	9.62	9.55	9.69	0.518	
	2	9.65	9.58	9.72	0.518	0.0
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91926-4
Client ID: LCS1
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Toxaphene	94.4	10.0	9.44	ug/L	50-150
Tetrachloro-M-Xylene	73.6				25-140
Decachlorobiphenyl	89.9				30-135

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FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS1

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-4 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	7.67	7.37	7.97	7.23		
Toxaphene	2	8.41	8.11	8.71	7.43		
	3	8.61	8.31	8.91	9.02		
COLUMN 1	4	8.72	8.42	9.02	8.94		
	5	8.94	8.64	9.24	8.67		
	6	9.06	8.76	9.36	9.20		
	7	9.34	9.04	9.64	9.06		
	8	9.47	9.17	9.77	9.15		
	9	9.63	9.33	9.93	8.87		
	10	10.32	10.02	10.62	9.95	8.75	
	1	8.16	7.86	8.46	9.37		
	2	8.52	8.22	8.82	8.81		
	3	8.59	8.29	8.89	9.35		
COLUMN 2	4	8.66	8.36	8.96	9.19		
	5	8.96	8.66	9.26	9.40		
	6	9.08	8.78	9.38	9.57		
	7	9.22	8.92	9.52	9.46		
	8	9.70	9.40	10.00	10.1		
	9	9.75	9.45	10.05	9.10		
	10	10.22	9.92	10.52	10.1	9.44	7.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91926-5
Client ID: LCS2
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-JUN-11

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Technical Chlordane	92.5	10	9.25	ug/L	50-150
Tetrachloro-M-Xylene	81.3				25-140
Decachlorobiphenyl	88.7				30-135

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FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS2

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-5 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	7.14	7.06	7.20	8.49		
Chlordane	2	7.24	7.16	7.30	8.52		
	3						
COLUMN 1	4						
	5					8.50	
	1	7.33	7.26	7.40	9.13		
	2	7.45	7.37	7.51	9.37		
	3						
COLUMN 2	4						
	5					9.25	8.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91926-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91926-1 Lab File ID: 1EE02397

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/24/11

Date Analyzed (1): 05/26/11 Date Analyzed (2): 05/26/11

Time Analyzed (1): 1312 Time Analyzed (2): 1312

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column (1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SITE6-IDW-2117	SE2818-6	1EE02393	05/26/11	05/26/11
02	SITE6-IDW-5526	SE2818-8	1EE02394	05/26/11	05/26/11
03	SITE6-IDW-782	SE2818-10	1EE02395	05/26/11	05/26/11
04	SITE6-IDW-954	SE2818-12	1EE02396	05/26/11	05/26/11
05	WG91926-LCS	WG91926-2	1EE02398	05/26/11	05/26/11
06	WG91926-LCSD	WG91926-3	1EE02399	05/26/11	05/26/11
07	WG91926-LCS1	WG91926-4	1EE02400	05/26/11	05/26/11
08	WG91926-LCS2	WG91926-5	1EE02401	05/26/11	05/26/11
09	WG91926-TCLPBLANK	WG91926-6	1EE02402	05/26/11	05/26/11
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IVPESTICIDE

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date(s): 05/13/11 05/13/11

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1649 2204

LAB FILE ID: RF0.005: 1EE00226 RF0.01: 1EE00227 RF0.025: 1EE00228
RF0.05: 1EE00225 RF0.1: 1EE00229 RF0.25: 1EE00230

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
gamma-BHC	48746	527300	264800	540330	1079200	2729000	LINR	5.648e-004	9.151e-008	0.99998	0.99000
Heptachlor	32328	368960	178050	339350	735050	1906000	LINR	2.175e-003	1.307e-007	0.99947	0.99000
Heptachlor Epoxide	34956	391850	194330	393930	797660	1992700	LINR	4.257e-004	1.252e-007	0.99999	0.99000
Endrin	26538	298910	149400	296430	628590	1621400	LINR	1.975e-003	1.536e-007	0.99968	0.99000
Methoxychlor	9280	111280	52498	105220	221040	580750	LINR	2.419e-003	4.289e-007	0.99947	0.99000
Chlordane	34497	70945	121880	426780	847990	2123600	LINR	2.658e-002	1.162e-006	0.99824	0.99000
(2)	30032	60117	103780	359410	696660	1777400	LINR	2.678e-002	1.391e-006	0.99831	0.99000
Toxaphene	6391	17284	33253	69349	184360	724360	LINR	1.34e-002	1.377e-005	0.99994	0.99000
(2)	5288	13482	26469	58393	171500	694010	LINR	6.786e-002	1.432e-005	0.99975	0.99000
(3)	10227	25461	52236	118190	339960	1398400	LINR	7.672e-002	7.104e-006	0.99976	0.99000
(4)	6581	16632	36762	79656	227820	970590	LINR	9.411e-002	1.023e-005	0.99964	0.99000
(5)	5691	14470	34811	73109	220060	927720	LINR	0.10115216	1.069e-005	0.99960	0.99000
(6)	15489	38379	84192	174180	515610	2034400	LINR	5.229e-002	4.886e-006	0.99975	0.99000
(7)	5296	13233	28624	59583	190460	812660	LINR	0.11668165	1.219e-005	0.99934	0.99000
(8)	6798	18184	36069	77636	244120	1030200	LINR	0.10734930	9.624e-006	0.99944	0.99000
(9)	8713	21784	46355	99883	301570	1278500	LINR	0.10246324	7.76e-006	0.99954	0.99000
(10)	6798	18054	35495	77841	218340	916150	LINR	7.672e-002	1.085e-005	0.99975	0.99000
Tetrachloro-m-Xylene	36256	76768	191820	380330	777430	1947200	LINR	4.422e-004	1.282e-007	0.99998	0.99000
Decachlorobiphenyl	16361	34927	82913	155570	324240	804980	LINR	5.766e-005	3.104e-007	0.99991	0.99000

FORM VI PESTICIDE

Report Date: 17-May-2011 12:00

Calibration History

Method : \\Target_server\GG\chem\gc01.i\GC01EE17.b\PEST062.m
Start Cal Date: 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
13-MAY-2011 20:54	TC	1EE00226.D
13-MAY-2011 19:09	Tox	1EE00220.D
13-MAY-2011 17:07	ICAL	1EE00213.D
Cal Level: 2 , Cal Amount: 0.01000		
13-MAY-2011 21:11	TC	1EE00227.D
13-MAY-2011 19:27	Tox	1EE00221.D
13-MAY-2011 18:34	IND	1EE00218.D
13-MAY-2011 17:24	ICAL	1EE00214.D
Cal Level: 3 , Cal Amount: 0.02500		
13-MAY-2011 21:29	TC	1EE00228.D
13-MAY-2011 19:44	Tox	1EE00222.D
13-MAY-2011 17:42	ICAL	1EE00215.D
Cal Level: 4 , Cal Amount: 0.05000		
13-MAY-2011 20:36	TC	1EE00225.D
13-MAY-2011 18:52	Tox	1EE00219.D
13-MAY-2011 16:49	ICAL	1EE00212.D
Cal Level: 5 , Cal Amount: 0.10000		
13-MAY-2011 21:46	TC	1EE00229.D
13-MAY-2011 20:01	Tox	1EE00223.D
13-MAY-2011 17:59	ICAL	1EE00216.D
Cal Level: 6 , Cal Amount: 0.25000		
13-MAY-2011 22:04	TC	1EE00230.D
13-MAY-2011 20:19	Tox	1EE00224.D
13-MAY-2011 18:17	ICAL	1EE00217.D

Continuing Calibration

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00226.D
Level 2: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00227.D
Level 3: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00228.D
Level 4: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00225.D
Level 5: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00229.D
Level 6: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00230.D

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
M 1 Total DDDs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
60 Hexachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
53 Aroclor-1016 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
54 Aroclor-1221 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
55 Aroclor-1232 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services A0000211

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
56 Aroclor-1242 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
57 Aroclor-1248 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
58 Aroclor-1254 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
59 Aroclor-1260 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services A0000212

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(5)	5691	14470	34811	73109	220059	927717	LINR	0.10115	93525		0.99960	
(6)	15489	38379	84192	174181	515611	2034399	LINR	0.05229	204681		0.99975	
(7)	5296	13233	28624	59583	190460	812658	LINR	0.11668	82010		0.99935	
(8)	6798	18184	36069	77636	244120	1030169	LINR	0.10735	103906		0.99944	
(9)	8713	21784	46355	99883	301568	1278516	LINR	0.10246	128867		0.99954	
(10) (10	6798	18054	35495	77841	218344	916146	LINR	0.07672	92137		0.99975	
19 4,4'-DDE	32731	+++++	181984	371613	775067	1953106	LINR	0.00122	7841691		0.99991	
20 Endosulfan I	30437	+++++	165998	328384	703511	1759044	LINR	0.00120	7066025		0.99983	
21 Dieldrin	31871	+++++	185536	361489	759828	1948984	LINR	0.00159	7819196		0.99978	
22 2,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
23 Endrin	26538	+++++	149404	296429	628588	1621366	LINR	0.00198	6510414		0.99968	
24 4,4'-DDD	22656	+++++	130063	264240	555105	1455547	LINR	0.00246	5846651		0.99951	
25 2,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
26 Endosulfan II	24647	+++++	142423	282920	603436	1547245	LINR	0.00194	6215970		0.99972	
27 4,4'-DDT	20492	+++++	123294	238490	524877	1369668	LINR	0.00279	5509599		0.99930	
28 Endrin Aldehyde	16638	+++++	103475	196013	425768	1084971	LINR	0.00182	4359053		0.99966	
29 Methoxychlor	9280	+++++	52498	105220	221035	580747	LINR	0.00242	2331666		0.99947	
30 Propiconizole (Tilt) (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
31 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
32 Endosulfan sulfate	13550	+++++	84054	176686	391664	1041550	LINR	0.00394	4202038		0.99891	
33 Endrin Ketone	18161	+++++	104533	212033	470379	1214221	LINR	0.00287	4891815		0.99938	

Katahdin Analytical Services A0000213

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

	Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	52 Dichlobenil	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
M	2 Total DDEs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
M	3 Total DDTs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	5 alpha-BHC	49864	+++++	284364	588779	1174232	2951847	LINR	0.00053	11829124		0.99999	
	6 gamma-BHC	48746	+++++	264798	540330	1079158	2728969	LINR	0.00056	10927988		0.99998	
	7 beta-BHC	20319	+++++	109597	217174	438683	1121112	LINR	0.00085	4487821		0.99991	
	8 delta-BHC	28045	+++++	179982	366370	780170	2088402	LINR	0.00337	8401736		0.99908	
	9 Heptachlor	32328	+++++	178054	339350	735050	1905978	LINR	0.00217	7652566		0.99947	
	10 Aldrin	38994	+++++	218184	432598	903162	2264073	LINR	0.00089	9083052		0.99993	
	11 Chlorothalonil (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	12 Alachlor	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	13 Heptachlor Epoxide	34956	+++++	194327	393930	797658	1992746	LINR	0.00043	7986082		0.99999	
	14 Chlordane (1)	34497	70945	121879	426779	847993	2123582	LINR	0.02658	860396		0.99825	
	(2)	30032	60117	103782	359407	696661	1777456	LINR	0.02678	718678		0.99831	
	15 gamma-Chlordane	33009	+++++	188144	372044	773606	1942164	LINR	0.00087	7789984		0.99994	
	16 2,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	17 alpha-Chlordane	32100	+++++	174726	348762	728051	1831563	LINR	0.00101	7347949		0.99992	
	18 Toxaphene (1)	6391	17284	33253	69349	184357	724355	LINR	0.01340	72599		0.99994	
	(2)	5288	13482	26469	58393	171502	694014	LINR	0.06786	69849		0.99975	
	(3)	10227	25461	52236	118187	339964	1398418	LINR	0.07672	140773		0.99977	
	(4)	6581	16632	36762	79656	227823	970589	LINR	0.09411	97730		0.99964	

Katahdin Analytical Services A0000214

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Tetrachloro-m-Xylene	36256	+++++	191825	380327	777428	1947154	LINR	0.00044	7799263		0.99998
$ 34 Decachlorobiphenyl	16361	+++++	82913	155568	324237	804977	LINR	0.00006	3221327		0.99991

Katahdin Analytical Services A0000215

Report Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Katahdin Analytical Services A0000216

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date(s): 05/13/11 05/13/11

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1649 2204

LAB FILE ID: RF0.005: 1EE00226 RF0.01: 1EE00227 RF0.025: 1EE00228
RF0.05: 1EE00225 RF0.1: 1EE00229 RF0.25: 1EE00230

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
gamma-BHC	67621	146570	372880	745350	1488600	3680400	LINR	-2.28e-004	6.788e-008	0.99997	0.99000
Heptachlor	49331	104520	264910	530930	1053800	2670600	LINR	3.785e-004	9.36e-008	0.99997	0.99000
Heptachlor Epoxide	49707	104780	270610	529560	1090800	2735600	LINR	5.534e-004	9.124e-008	0.99996	0.99000
Endrin	38922	82979	214600	426380	875700	2219400	LINR	9.323e-004	1.124e-007	0.99994	0.99000
Methoxychlor	15006	32594	82916	163630	328750	849010	LINR	1.065e-003	2.943e-007	0.99982	0.99000
Chlordane	61896	123580	217710	733040	1376100	3410600	LINR	1.463e-002	7.256e-007	0.99818	0.99000
(2)	63520	127450	222660	738860	1426400	3424200	LINR	1.011e-002	7.212e-007	0.99788	0.99000
Toxaphene	9204	29177	61067	128140	360810	1343900	LINR	5.424e-003	7.407e-006	0.99950	0.99000
(2)	8102	21590	47382	97256	294190	1061100	LINR	3.935e-003	9.363e-006	0.99894	0.99000
(3)	16306	42977	88805	184860	540060	1962100	LINR	-3.57e-003	5.07e-006	0.99914	0.99000
(4)	16781	40660	83565	172040	485630	1746000	LINR	-2.44e-002	5.706e-006	0.99908	0.99000
(5)	22397	61570	123340	259560	744050	2717200	LINR	-5.71e-003	3.663e-006	0.99925	0.99000
(6)	15044	43961	85998	178300	530950	1939300	LINR	3.406e-003	5.128e-006	0.99917	0.99000
(7)	11552	29011	58709	123260	380910	1439200	LINR	3.614e-002	6.901e-006	0.99941	0.99000
(8)	25173	64271	137320	280090	837410	3169800	LINR	2.728e-002	3.137e-006	0.99953	0.99000
(9)	16216	42153	87016	179140	533340	2061700	LINR	3.85e-002	4.823e-006	0.99967	0.99000
(10)	10024	25996	53473	109210	326740	1219900	LINR	1.735e-002	8.152e-006	0.99942	0.99000
Tetrachloro-m-Xylene	54609	116830	290750	561710	1138900	2800300	LINR	-4.25e-004	8.925e-008	0.99994	0.99000
Decachlorobiphenyl	21197	44631	112600	213440	428950	1098900	LINR	4.946e-004	2.277e-007	0.99986	0.99000

FORM VI PESTICIDE

Report Date: 17-May-2011 12:01

Calibration History

Method : \\Target_server\GG\chem\gc01.i\GC01EE17.b\PEST062.m\PEST062.m
Start Cal Date: 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
13-MAY-2011 20:54	TC	1EE00226.D
13-MAY-2011 19:09	Tox	1EE00220.D
13-MAY-2011 17:07	ICAL	1EE00213.D
Cal Level: 2 , Cal Amount: 0.01000		
13-MAY-2011 21:11	TC	1EE00227.D
13-MAY-2011 19:27	Tox	1EE00221.D
13-MAY-2011 18:34	IND	1EE00218.D
13-MAY-2011 17:24	ICAL	1EE00214.D
Cal Level: 3 , Cal Amount: 0.02500		
13-MAY-2011 21:29	TC	1EE00228.D
13-MAY-2011 19:44	Tox	1EE00222.D
13-MAY-2011 17:42	ICAL	1EE00215.D
Cal Level: 4 , Cal Amount: 0.05000		
13-MAY-2011 20:36	TC	1EE00225.D
13-MAY-2011 18:52	Tox	1EE00219.D
13-MAY-2011 16:49	ICAL	1EE00212.D
Cal Level: 5 , Cal Amount: 0.10000		
13-MAY-2011 21:46	TC	1EE00229.D
13-MAY-2011 20:01	Tox	1EE00223.D
13-MAY-2011 17:59	ICAL	1EE00216.D
Cal Level: 6 , Cal Amount: 0.25000		
13-MAY-2011 22:04	TC	1EE00230.D
13-MAY-2011 20:19	Tox	1EE00224.D
13-MAY-2011 18:17	ICAL	1EE00217.D

Continuing Calibration

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00226.D
Level 2: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00227.D
Level 3: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00228.D
Level 4: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00225.D
Level 5: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00229.D
Level 6: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00230.D

	Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
M	1 Total DDDs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	60 Hexachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	53 Aroclor-1016 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	54 Aroclor-1221 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	55 Aroclor-1232 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services A0000219

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
56 Aroclor-1242 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
57 Aroclor-1248 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
58 Aroclor-1254 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
59 Aroclor-1260 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services A0000220

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

	Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	52 Dichlobenil	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
M	2 Total DDEs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
M	3 Total DDTs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	5 alpha-BHC	72370	+++++	408918	800514	1629333	4023887	LINR	-0.00005	16116015		0.99996	
	6 gamma-BHC	67621	+++++	372876	745349	1488624	3680416	LINR	-0.00023	14731929		0.99997	
	7 beta-BHC	29690	+++++	158313	306467	621687	1557519	LINR	0.00015	6231293		0.99998	
	8 delta-BHC	42378	+++++	258004	524210	1070802	2859369	LINR	0.00260	11473503		0.99930	
	9 Heptachlor	49331	+++++	264912	530934	1053831	2670590	LINR	0.00038	10683399		0.99997	
	10 Aldrin	55093	+++++	308305	598511	1232727	3081330	LINR	0.00043	12344008		0.99996	
	11 Chlorothalonil(1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	12 Alachlor	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	13 Heptachlor Epoxide	49707	+++++	270608	529558	1090814	2735640	LINR	0.00055	10959807		0.99996	
	14 Chlordane(1)	61896	123585	217711	733041	1376116	3410656	LINR	0.01463	1378210		0.99818	
	(2)	63520	127454	222661	738856	1426404	3424226	LINR	0.01011	1386638		0.99788	
	15 gamma-Chlordane	47134	+++++	259210	507254	1052152	2685503	LINR	0.00119	10763501		0.99986	
	16 2,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	17 alpha-Chlordane	45629	+++++	245448	483820	986748	2483363	LINR	0.00052	9944756		0.99997	
	18 Toxaphene(1)	9204	29177	61067	128141	360814	1343890	LINR	0.00542	135012		0.99950	
	(2)	8102	21590	47382	97256	294189	1061137	LINR	0.00394	106801		0.99894	
	(3)	16306	42977	88805	184859	540060	1962142	LINR	-0.00357	197228		0.99914	
	(4)	16781	40660	83565	172038	485629	1746040	LINR	-0.02444	175242		0.99908	

Katahdin Analytical Services A0000221

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(5)	22397	61570	123340	259555	744054	2717256	LINR	-0.00571	272980		0.99925	
(6)	15044	43961	85998	178298	530952	1939298	LINR	0.00341	194997		0.99917	
(7)	11552	29011	58709	123259	380914	1439215	LINR	0.03614	144900		0.99941	
(8)	25173	64271	137317	280092	837407	3169825	LINR	0.02728	318813		0.99953	
(9)	16216	42153	87016	179144	533341	2061684	LINR	0.03850	207348		0.99967	
(10)	(10 10024	25996	53473	109209	326739	1219874	LINR	0.01735	122663		0.99942	
19 4,4'-DDE	47605	+++++	261390	518959	1059148	2676032	LINR	0.00073	10720522		0.99996	
20 Endosulfan I	43040	+++++	237567	461290	964998	2403827	LINR	0.00058	9638044		0.99993	
21 Dieldrin	45163	+++++	256048	501192	1044012	2639926	LINR	0.00103	10585693		0.99991	
22 2,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
23 Endrin	38922	+++++	214595	426378	875703	2219405	LINR	0.00093	8894793		0.99994	
24 4,4'-DDD	33406	+++++	186527	374992	782254	1989218	LINR	0.00138	7982829		0.99987	
25 2,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
26 Endosulfan II	35603	+++++	199905	391597	816926	2099425	LINR	0.00152	8418696		0.99978	
27 4,4'-DDT	31722	+++++	181269	363734	750036	1944214	LINR	0.00176	7797897		0.99974	
28 Endrin Aldehyde	23568	+++++	142310	285223	594495	1528258	LINR	0.00174	6134872		0.99980	
29 Methoxychlor	15006	+++++	82916	163634	328749	849009	LINR	0.00107	3397751		0.99983	
30 Propiconizole (Tilt) (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
31 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
32 Endosulfan sulfate	21017	+++++	129100	264878	567167	1506856	LINR	0.00325	6063550		0.99918	
33 Endrin Ketone	24963	+++++	144727	292481	603747	1646172	LINR	0.00327	6608586		0.99876	

Katahdin Analytical Services A0000222

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Tetrachloro-m-Xylene	54609	+++++	290750	561707	1138897	2800321	LINR	-0.00043	11203919		0.99994
$ 34 Decachlorobiphenyl	21197	+++++	112604	213439	428951	1098940	LINR	0.00049	4391076		0.99986

Katahdin Analytical Services A0000223

Report Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
Cal Date : 06-Jun-2011 15:44 gc01.i

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

Katahdin Analytical Services A0000224

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/13/11
Lab Sample ID (PEM): EVAL Time Analyzed :1632

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE00211.D	4.92	4.43

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/13/11
Lab Sample ID (PEM): EVAL Time Analyzed :1632

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE00211.D	4.63	2.87

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/13/11 Time: 1834

Lab File ID: 1EE00218 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.02e-002	5.e-002	11745000	0.001	0.40	15.00	LINR
Endosulfan sulfate	4.35e-002	5.e-002	3325900.0	0.001	-13.00	15.00	LINR
beta-BHC	5.45e-002	5.e-002	4815000.0	0.001	9.00	15.00	LINR
delta-BHC	4.67e-002	5.e-002	7276700.0	0.001	-6.60	15.00	LINR
Heptachlor	5.04e-002	5.e-002	7379200.0	0.001	0.80	15.00	LINR
Aldrin	4.96e-002	5.e-002	8847300.0	0.001	-0.80	15.00	LINR
Heptachlor Epoxide	4.95e-002	5.e-002	7836900.0	0.001	-1.00	15.00	LINR
gamma-Chlordane	5.05e-002	5.e-002	7733700.0	0.001	1.00	15.00	LINR
alpha-Chlordane	5.05e-002	5.e-002	7272000.0	0.001	1.00	15.00	LINR
4,4'-DDE	5.03e-002	5.e-002	7703400.0	0.001	0.60	15.00	LINR
Endosulfan I	4.99e-002	5.e-002	6882100.0	0.001	-0.20	15.00	LINR
Dieldrin	4.96e-002	5.e-002	7511900.0	0.001	-0.80	15.00	LINR
Endrin	4.79e-002	5.e-002	5978300.0	0.001	-4.20	15.00	LINR
4,4'-DDD	4.7e-002	5.e-002	5209800.0	0.001	-6.00	15.00	LINR
Endosulfan II	4.75e-002	5.e-002	5663500.0	0.001	-5.00	15.00	LINR
4,4'-DDT	4.77e-002	5.e-002	4947700.0	0.001	-4.60	15.00	LINR
Endrin Aldehyde	4.33e-002	5.e-002	3612500.0	0.001	-13.40	15.00	LINR
Methoxychlor	5.01e-002	5.e-002	2225700.0	0.001	0.20	15.00	LINR
Endrin Ketone	4.43e-002	5.e-002	4054000.0	0.001	-11.40	15.00	LINR
gamma-BHC	4.88e-002	5.e-002	10546000	0.001	-2.40	15.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/13/11 Time: 1834

Lab File ID: 1EE00218 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.07e-002	5.e-002	16354000	0.001	1.40	15.00	LINR
Endosulfan sulfate	4.54e-002	5.e-002	5113400.0	0.001	-9.20	15.00	LINR
beta-BHC	5.41e-002	5.e-002	6718300.0	0.001	8.20	15.00	LINR
delta-BHC	4.85e-002	5.e-002	10522000	0.001	-3.00	15.00	LINR
Heptachlor	4.92e-002	5.e-002	10426000	0.001	-1.60	15.00	LINR
Aldrin	4.98e-002	5.e-002	12199000	0.001	-0.40	15.00	LINR
Heptachlor Epoxide	5.06e-002	5.e-002	10964000	0.001	1.20	15.00	LINR
gamma-Chlordane	4.98e-002	5.e-002	10472000	0.001	-0.40	15.00	LINR
alpha-Chlordane	5.15e-002	5.e-002	10138000	0.001	3.00	15.00	LINR
4,4'-DDE	5.12e-002	5.e-002	10822000	0.001	2.40	15.00	LINR
Endosulfan I	5.08e-002	5.e-002	9680800.0	0.001	1.60	15.00	LINR
Dieldrin	4.89e-002	5.e-002	10139000	0.001	-2.20	15.00	LINR
Endrin	4.92e-002	5.e-002	8580700.0	0.001	-1.60	15.00	LINR
4,4'-DDD	4.91e-002	5.e-002	7620700.0	0.001	-1.80	15.00	LINR
Endosulfan II	4.81e-002	5.e-002	7847800.0	0.001	-3.80	15.00	LINR
4,4'-DDT	4.83e-002	5.e-002	7256700.0	0.001	-3.40	15.00	LINR
Endrin Aldehyde	4.41e-002	5.e-002	5195000.0	0.001	-11.80	15.00	LINR
Methoxychlor	5.03e-002	5.e-002	3347900.0	0.001	0.60	15.00	LINR
Endrin Ketone	4.54e-002	5.e-002	5566000.0	0.001	-9.20	15.00	LINR
gamma-BHC	4.92e-002	5.e-002	14560000	0.001	-1.60	15.00	LINR

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/26/11
Lab Sample ID (PEM): EVAL Time Analyzed :1023

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE02389.D	1.28	2.08

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/26/11
Lab Sample ID (PEM): EVAL Time Analyzed :1023

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE02389.D	1.39	1.64

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1040

Lab File ID: 1EE02390 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.15e-002	5.e-002	12071000	0.001	3.00	20.00	LINR	
gamma-BHC	5.08e-002	5.e-002	10973000	0.001	1.60	20.00	LINR	
Heptachlor	5.61e-002	5.e-002	8245700.0	0.001	12.20	20.00	LINR	
beta-BHC	4.93e-002	5.e-002	4350900.0	0.001	-1.40	20.00	LINR	
Aldrin	4.83e-002	5.e-002	8620700.0	0.001	-3.40	20.00	LINR	
delta-BHC	5.87e-002	5.e-002	9294700.0	0.001	17.40	20.00	LINR	
Heptachlor Epoxide	4.79e-002	5.e-002	7583800.0	0.001	-4.20	20.00	LINR	
Endosulfan I	4.82e-002	5.e-002	6641600.0	0.001	-3.60	20.00	LINR	
4,4'-DDE	4.81e-002	5.e-002	7357500.0	0.001	-3.80	20.00	LINR	
Dieldrin	4.87e-002	5.e-002	7360200.0	0.001	-2.60	20.00	LINR	
Endrin	4.9e-002	5.e-002	6126300.0	0.001	-2.00	20.00	LINR	
4,4'-DDD	5.06e-002	5.e-002	5632500.0	0.001	1.20	20.00	LINR	
Endosulfan II	4.95e-002	5.e-002	5912100.0	0.001	-1.00	20.00	LINR	
4,4'-DDT	5.62e-002	5.e-002	5883600.0	0.001	12.40	20.00	LINR	
Endrin Aldehyde	4.98e-002	5.e-002	4184600.0	0.001	-0.40	20.00	LINR	
Endosulfan sulfate	6.13e-002	5.e-002	4819100.0	0.001	22.60	20.00	LINR	<-
Methoxychlor	6.02e-002	5.e-002	2694400.0	0.001	20.40	20.00	LINR	<-
alpha-Chlordane	4.82e-002	5.e-002	6930700.0	0.001	-3.60	20.00	LINR	
gamma-Chlordane	4.84e-002	5.e-002	7407200.0	0.001	-3.20	20.00	LINR	
Endrin Ketone	6.33e-002	5.e-002	5909600.0	0.001	26.60	20.00	LINR	<-
Tetrachloro-m-Xylene	5.e-002	5.e-002	7731900.0	0.001	0.00	20.00	LINR	
Decachlorobiphenyl	5.1e-002	5.e-002	3279700.0	0.001	2.00	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1040

Lab File ID: 1EE02390 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.41e-002	5.e-002	17443000	0.001	8.20	20.00	LINR	
gamma-BHC	5.3e-002	5.e-002	15670000	0.001	6.00	20.00	LINR	
Heptachlor	6.09e-002	5.e-002	12939000	0.001	21.80	20.00	LINR	<-
beta-BHC	5.13e-002	5.e-002	6378700.0	0.001	2.60	20.00	LINR	
Aldrin	5.13e-002	5.e-002	12564000	0.001	2.60	20.00	LINR	
delta-BHC	6.25e-002	5.e-002	13754000	0.001	25.00	20.00	LINR	<-
Heptachlor Epoxide	5.17e-002	5.e-002	11215000	0.001	3.40	20.00	LINR	
Endosulfan I	5.12e-002	5.e-002	9754200.0	0.001	2.40	20.00	LINR	
4,4'-DDE	5.07e-002	5.e-002	10724000	0.001	1.40	20.00	LINR	
Dieldrin	5.04e-002	5.e-002	10449000	0.001	0.80	20.00	LINR	
Endrin	5.12e-002	5.e-002	8950100.0	0.001	2.40	20.00	LINR	
4,4'-DDD	5.29e-002	5.e-002	8232800.0	0.001	5.80	20.00	LINR	
Endosulfan II	5.14e-002	5.e-002	8394400.0	0.001	2.80	20.00	LINR	
4,4'-DDT	5.69e-002	5.e-002	8593000.0	0.001	13.80	20.00	LINR	
Endrin Aldehyde	5.23e-002	5.e-002	6205400.0	0.001	4.60	20.00	LINR	
Endosulfan sulfate	6.07e-002	5.e-002	6970200.0	0.001	21.40	20.00	LINR	<-
Methoxychlor	5.92e-002	5.e-002	3948600.0	0.001	18.40	20.00	LINR	
alpha-Chlordane	5.14e-002	5.e-002	10118000	0.001	2.80	20.00	LINR	
gamma-Chlordane	5.13e-002	5.e-002	10778000	0.001	2.60	20.00	LINR	
Endrin Ketone	6.59e-002	5.e-002	8276600.0	0.001	31.80	20.00	LINR	<-
Tetrachloro-m-Xylene	5.2e-002	5.e-002	11744000	0.001	4.00	20.00	LINR	
Decachlorobiphenyl	5.32e-002	5.e-002	4630800.0	0.001	6.40	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1104

Lab File ID: 1EE02391 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Toxaphene	0.8724500	1.0000000	62366.000	0.001	-12.76	20.00	LINR
(2)	0.9039500	1.0000000	58400.000	0.001	-9.60	20.00	LINR
(3)	1.0000000	1.0000000	129980.00	0.001	0.00	20.00	LINR
(4)	0.9990400	1.0000000	88439.000	0.001	-0.10	20.00	LINR
(5)	0.9635200	1.0000000	80653.000	0.001	-3.65	20.00	LINR
(6)	1.0241000	1.0000000	198920.00	0.001	2.41	20.00	LINR
(7)	1.0161000	1.0000000	73758.000	0.001	1.61	20.00	LINR
(8)	1.0154000	1.0000000	94358.000	0.001	1.54	20.00	LINR
(9)	1.0095000	1.0000000	116890.00	0.001	0.95	20.00	LINR
(10)	1.1370000	1.0000000	97687.000	0.001	13.70	20.00	LINR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1104

Lab File ID: 1EE02391 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Toxaphene	1.0898000	1.0000000	146400.00	0.001	8.98	20.00	LINR
(2)	1.0054000	1.0000000	106950.00	0.001	0.54	20.00	LINR
(3)	1.0533000	1.0000000	208440.00	0.001	5.33	20.00	LINR
(4)	1.0501000	1.0000000	188310.00	0.001	5.01	20.00	LINR
(5)	1.0840000	1.0000000	297470.00	0.001	8.40	20.00	LINR
(6)	1.0936000	1.0000000	212590.00	0.001	9.36	20.00	LINR
(7)	1.1392000	1.0000000	159830.00	0.001	13.92	20.00	LINR
(8)	1.1675000	1.0000000	363530.00	0.001	16.75	20.00	LINR
(9)	1.0677000	1.0000000	213400.00	0.001	6.77	20.00	LINR
(10)	1.2460000	1.0000000	150710.00	0.001	24.60	20.00	LINR <-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1122

Lab File ID: 1EE02392 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.4984300	0.5000000	811960.00	0.001	-0.31	20.00	LINR
(2)	0.5033800	0.5000000	685050.00	0.001	0.68	20.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1122

Lab File ID: 1EE02392 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.5394200	0.5000000	1446500.0	0.001	7.88	20.00	LINR
(2)	0.5477900	0.5000000	1491100.0	0.001	9.56	20.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1532

Lab File ID: 1EE02405 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	2.59e-002	2.5e-002	11984000	0.001	3.60	20.00	LINR	
gamma-BHC	2.59e-002	2.5e-002	11061000	0.001	3.60	20.00	LINR	
Heptachlor	2.76e-002	2.5e-002	7786800.0	0.001	10.40	20.00	LINR	
beta-BHC	2.58e-002	2.5e-002	4484800.0	0.001	3.20	20.00	LINR	
Aldrin	2.51e-002	2.5e-002	8784300.0	0.001	0.40	20.00	LINR	
delta-BHC	2.87e-002	2.5e-002	8522200.0	0.001	14.80	20.00	LINR	
Heptachlor Epoxide	2.49e-002	2.5e-002	7831000.0	0.001	-0.40	20.00	LINR	
Endosulfan I	2.52e-002	2.5e-002	6786000.0	0.001	0.80	20.00	LINR	
4,4'-DDE	2.44e-002	2.5e-002	7281800.0	0.001	-2.40	20.00	LINR	
Dieldrin	2.5e-002	2.5e-002	7325000.0	0.001	0.00	20.00	LINR	
Endrin	2.57e-002	2.5e-002	6174900.0	0.001	2.80	20.00	LINR	
4,4'-DDD	2.65e-002	2.5e-002	5627100.0	0.001	6.00	20.00	LINR	
Endosulfan II	2.55e-002	2.5e-002	5852800.0	0.001	2.00	20.00	LINR	
4,4'-DDT	2.88e-002	2.5e-002	5731500.0	0.001	15.20	20.00	LINR	
Endrin Aldehyde	2.72e-002	2.5e-002	4421200.0	0.001	8.80	20.00	LINR	
Endosulfan sulfate	2.84e-002	2.5e-002	4112600.0	0.001	13.60	20.00	LINR	
Methoxychlor	3.17e-002	2.5e-002	2731000.0	0.001	26.80	20.00	LINR	<-
alpha-Chlordane	2.56e-002	2.5e-002	7215100.0	0.001	2.40	20.00	LINR	
gamma-Chlordane	2.48e-002	2.5e-002	7453300.0	0.001	-0.80	20.00	LINR	
Endrin Ketone	3.06e-002	2.5e-002	5430200.0	0.001	22.40	20.00	LINR	<-
Tetrachloro-m-Xylene	2.56e-002	2.5e-002	7855200.0	0.001	2.40	20.00	LINR	
Decachlorobiphenyl	2.62e-002	2.5e-002	3368900.0	0.001	4.80	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1532

Lab File ID: 1EE02405 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	2.78e-002	2.5e-002	17975000	0.001	11.20	20.00	LINR	
gamma-BHC	2.76e-002	2.5e-002	16404000	0.001	10.40	20.00	LINR	
Heptachlor	3.04e-002	2.5e-002	12823000	0.001	21.60	20.00	LINR	<-
beta-BHC	2.7e-002	2.5e-002	6703400.0	0.001	8.00	20.00	LINR	
Aldrin	2.68e-002	2.5e-002	12999000	0.001	7.20	20.00	LINR	
delta-BHC	3.1e-002	2.5e-002	13018000	0.001	24.00	20.00	LINR	<-
Heptachlor Epoxide	2.67e-002	2.5e-002	11474000	0.001	6.80	20.00	LINR	
Endosulfan I	2.65e-002	2.5e-002	9992000.0	0.001	6.00	20.00	LINR	
4,4'-DDE	2.7e-002	2.5e-002	11274000	0.001	8.00	20.00	LINR	
Dieldrin	2.65e-002	2.5e-002	10793000	0.001	6.00	20.00	LINR	
Endrin	2.72e-002	2.5e-002	9349900.0	0.001	8.80	20.00	LINR	
4,4'-DDD	2.75e-002	2.5e-002	8355300.0	0.001	10.00	20.00	LINR	
Endosulfan II	2.71e-002	2.5e-002	8631800.0	0.001	8.40	20.00	LINR	
4,4'-DDT	2.9e-002	2.5e-002	8485400.0	0.001	16.00	20.00	LINR	
Endrin Aldehyde	2.85e-002	2.5e-002	6558600.0	0.001	14.00	20.00	LINR	
Endosulfan sulfate	2.91e-002	2.5e-002	6277000.0	0.001	16.40	20.00	LINR	
Methoxychlor	3.16e-002	2.5e-002	4150700.0	0.001	26.40	20.00	LINR	<-
alpha-Chlordane	2.71e-002	2.5e-002	10565000	0.001	8.40	20.00	LINR	
gamma-Chlordane	2.73e-002	2.5e-002	11239000	0.001	9.20	20.00	LINR	
Endrin Ketone	3.27e-002	2.5e-002	7770000.0	0.001	30.80	20.00	LINR	<-
Tetrachloro-m-Xylene	2.67e-002	2.5e-002	12160000	0.001	6.80	20.00	LINR	
Decachlorobiphenyl	2.85e-002	2.5e-002	4912800.0	0.001	14.00	20.00	LINR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1549

Lab File ID: 1EE02406 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Toxaphene	0.9164000	1.0000000	65557.000	0.001	-8.36	20.00	LINR
(2)	0.9695500	1.0000000	62982.000	0.001	-3.04	20.00	LINR
(3)	1.0363000	1.0000000	135090.00	0.001	3.63	20.00	LINR
(4)	1.0758000	1.0000000	95944.000	0.001	7.58	20.00	LINR
(5)	1.0563000	1.0000000	89330.000	0.001	5.63	20.00	LINR
(6)	1.0903000	1.0000000	212450.00	0.001	9.03	20.00	LINR
(7)	1.0652000	1.0000000	77790.000	0.001	6.52	20.00	LINR
(8)	1.0503000	1.0000000	97978.000	0.001	5.03	20.00	LINR
(9)	1.0468000	1.0000000	121700.00	0.001	4.68	20.00	LINR
(10)	1.1388000	1.0000000	97853.000	0.001	13.88	20.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1549

Lab File ID: 1EE02406 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	___ RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Toxaphene	1.1553000	1.0000000	155240.00	0.001	15.53	20.00	LINR	
(2)	1.1154000	1.0000000	118710.00	0.001	11.54	20.00	LINR	
(3)	1.1351000	1.0000000	224580.00	0.001	13.51	20.00	LINR	
(4)	1.1510000	1.0000000	206000.00	0.001	15.10	20.00	LINR	
(5)	1.1351000	1.0000000	311420.00	0.001	13.51	20.00	LINR	
(6)	1.1745000	1.0000000	228360.00	0.001	17.45	20.00	LINR	
(7)	1.1558000	1.0000000	162240.00	0.001	15.58	20.00	LINR	
(8)	1.1902000	1.0000000	370760.00	0.001	19.02	20.00	LINR	
(9)	1.1130000	1.0000000	222800.00	0.001	11.30	20.00	LINR	
(10)	1.2301000	1.0000000	148760.00	0.001	23.01	20.00	LINR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1607

Lab File ID: 1EE02407 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.4975500	0.5000000	810450.00	0.001	-0.49	20.00	LINR
(2)	0.4970900	0.5000000	676000.00	0.001	-0.58	20.00	LINR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1607

Lab File ID: 1EE02407 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.5623000	0.5000000	1509600.0	0.001	12.46	20.00	LINR
(2)	0.5659400	0.5000000	1541500.0	0.001	13.19	20.00	LINR

FORM VII PEST

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.79 DCB: 12.04

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/13/11	1632		
02		INDAB 0.05	05/13/11	1649	3.79	12.05
03		INDAB 0.005	05/13/11	1707	3.79	12.05
04		INDAB 0.01	05/13/11	1724	3.79	12.05
05		INDAB 0.025	05/13/11	1742	3.79	12.05
06		INDAB 0.1	05/13/11	1759	3.79	12.05
07		INDAB 0.25	05/13/11	1817	3.79	12.04
08		IND 0.05	05/13/11	1834		
09		TOX 1.0	05/13/11	1852		
10		TOX 0.1	05/13/11	1909		
11		TOX 0.25	05/13/11	1927		
12		TOX 0.5	05/13/11	1944		
13		TOX 2.5	05/13/11	2001		
14		TOX 10	05/13/11	2019		
15		TC 0.5	05/13/11	2036		
16		TC 0.05	05/13/11	2054		
17		TC 0.1	05/13/11	2111		
18		TC 0.25	05/13/11	2129		
19		TC 1.0	05/13/11	2146		
20		TC 2.5	05/13/11	2204		

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.79 DCB: 12.04

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/26/11	1023		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.78 DCB: 12.00

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		INDAB 0.05	05/26/11	1040	3.78	12.00
02		TOX 1.0	05/26/11	1104		
03		TC 0.5	05/26/11	1122		
04	SITE6-IDW-21	SE2818-6	05/26/11	1139	3.78	12.01
05	SITE6-IDW-55	SE2818-8	05/26/11	1157	3.78	12.00
06	SITE6-IDW-78	SE2818-10	05/26/11	1214	3.78	12.00
07	SITE6-IDW-95	SE2818-12	05/26/11	1232	3.78	12.00
08	WG91926-BLAN	WG91926-1	05/26/11	1312	3.79	12.02
09	WG91926-LCS	WG91926-2	05/26/11	1330	3.78	12.01
10	WG91926-LCSD	WG91926-3	05/26/11	1347	3.78	12.01
11	WG91926-LCS1	WG91926-4	05/26/11	1405	3.78	12.01
12	WG91926-LCS2	WG91926-5	05/26/11	1422	3.78	12.01
13	WG91926-TCLP	WG91926-6	05/26/11	1440	3.78	12.00
14		INDAB 0.025	05/26/11	1532	3.78	12.00
15		TOX 1.0	05/26/11	1549		
16		TC 0.5	05/26/11	1607		
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 12.21

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/13/11	1632		
02		INDAB 0.05	05/13/11	1649	4.04	12.21
03		INDAB 0.005	05/13/11	1707	4.04	12.21
04		INDAB 0.01	05/13/11	1724	4.04	12.21
05		INDAB 0.025	05/13/11	1742	4.04	12.21
06		INDAB 0.1	05/13/11	1759	4.04	12.21
07		INDAB 0.25	05/13/11	1817	4.04	12.21
08		IND 0.05	05/13/11	1834		
09		TOX 1.0	05/13/11	1852		
10		TOX 0.1	05/13/11	1909		
11		TOX 0.25	05/13/11	1927		
12		TOX 0.5	05/13/11	1944		
13		TOX 2.5	05/13/11	2001		
14		TOX 10	05/13/11	2019		
15		TC 0.5	05/13/11	2036		
16		TC 0.05	05/13/11	2054		
17		TC 0.1	05/13/11	2111		
18		TC 0.25	05/13/11	2129		
19		TC 1.0	05/13/11	2146		
20		TC 2.5	05/13/11	2204		

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 12.21

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/26/11	1023		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.03 DCB: 12.18

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		INDAB 0.05	05/26/11	1040	4.03	12.18
02		TOX 1.0	05/26/11	1104		
03		TC 0.5	05/26/11	1122		
04	SITE6-IDW-21	SE2818-6	05/26/11	1139	4.03	12.18
05	SITE6-IDW-55	SE2818-8	05/26/11	1157	4.03	12.18
06	SITE6-IDW-78	SE2818-10	05/26/11	1214	4.03	12.18
07	SITE6-IDW-95	SE2818-12	05/26/11	1232	4.03	12.18
08	WG91926-BLAN	WG91926-1	05/26/11	1312	4.02	12.18
09	WG91926-LCS	WG91926-2	05/26/11	1330	4.03	12.18
10	WG91926-LCSD	WG91926-3	05/26/11	1347	4.03	12.18
11	WG91926-LCS1	WG91926-4	05/26/11	1405	4.03	12.18
12	WG91926-LCS2	WG91926-5	05/26/11	1422	4.03	12.18
13	WG91926-TCLP	WG91926-6	05/26/11	1440	4.03	12.18
14		INDAB 0.025	05/26/11	1532	4.03	12.18
15		TOX 1.0	05/26/11	1549		
16		TC 0.5	05/26/11	1607		
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		92.4	%					

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P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		93.2	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		90.4	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		93.6	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91927-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	1.5	ug/L	1	3	3.0	0.30	1.5
Silvex	U	1.5	ug/L	1	3	3.0	0.20	1.5
2,4-Dichlorophenylacetic Acid		89.4	%					

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91927-4
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		66.4	%					

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FORM 2
WATER HERBICIDES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 1 REC#	S1 2 REC#	S2 1 REC#	S2 2 REC#	S3 1 REC#	S3 2 REC#	TOT OUT
01	WG91927-BLANK	WG91927-1	89	84					0
02	WG91927-LCS	WG91927-2	96	95					0
03	WG91927-LCSD	WG91927-3	101	103					0
04	WG91927-TCLPBLANK	WG91927-4	66	65					0
05	SITE6-IDW-2117	SE2818-6	88	92					0
06	SITE6-IDW-5526	SE2818-8	92	93					0
07	SITE6-IDW-782	SE2818-10	89	90					0
08	SITE6-IDW-954	SE2818-12	88	94					0
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 = 2,4-Dichlorophenylacet (35-126)

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

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91927-2
LCSD ID: WG91927-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
2,4-D	5.00	5.43	109.	5.73	115.*	ug/L	5	30	35-115
Silvex	5.00	4.96	99.2	5.14	103.	ug/L	4	30	50-115
2,4-Dichlorophenylacetic Acid			96.6		103.				35-126

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FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91927-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91927-1 Lab File ID: 8EE10237

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/24/11

Date Analyzed (1): 05/25/11 Date Analyzed (2): 05/25/11

Time Analyzed (1): 1341 Time Analyzed (2): 1341

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG91927-LCS	WG91927-2	8EE10238	05/25/11	05/25/11
02	WG91927-LCSD	WG91927-3	8EE10239	05/25/11	05/25/11
03	WG91927-TCLPBLANK	WG91927-4	8EE10240	05/25/11	05/25/11
04	SITE6-IDW-2117	SE2818-6	8EE10241	05/25/11	05/25/11
05	SITE6-IDW-5526	SE2818-8	8EE10242	05/25/11	05/25/11
06	SITE6-IDW-782	SE2818-10	8EE10243	05/25/11	05/25/11
07	SITE6-IDW-954	SE2818-12	8EE10244	05/25/11	05/25/11
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IVHERBICIDES

FORM 6
HERBICIDES INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/19/11 05/19/11

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1236 1456

LAB FILE ID: RF0.1: 8EE10155 RF0.25: 8EE10156 RF0.5: 8EE10154
RF0.75: 8EE10157 RF1: 8EE10158 RF2: 8EE10159

COMPOUND	RF0.1	RF0.25	RF0.5	RF0.75	RF1	RF2	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
2,4-D	1518200	1864700	2194100	1971900	1896800	1696400	AVRG	1857008.58	12.492	40.000
Silvex	9577800	1.e+007	9885000	8612800	7889100	6334800	AVRG	8719945.50	16.359	40.000
2,4-Dichlorophenylacetic	1886000	1814600	1707100	1547800	1468800	1269600	AVRG	1615628.58	14.302	40.000

FORM VI HERBICIDES

Report Date : 08-Jun-2011 11:57

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2011 12:36
End Cal Date : 19-MAY-2011 14:56
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Cal Date : 20-May-2011 09:10 gc08.i

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10155.D
Level 2: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10156.D
Level 3: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10154.D
Level 4: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10157.D
Level 5: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10158.D
Level 6: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10159.D

Compound	0.1000000 Level 1	0.2500000 Level 2	0.5000000 Level 3	0.7500000 Level 4	1.0000 Level 5	2.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dalapon	6034190	6310772	5868476	5751323	5566333	4808328	AVRG		5723237		8.99611
3 Dicamba	7731930	7194728	6587634	5959685	5625471	4721595	AVRG		6303507		17.37224
4 MCPP	15238	90392	228096	357560	478041	948519	LINR	3.49340	4863		0.99854
5 MCPA	5442	83092	252589	407090	554999	1124879	LINR	6.13118	5822		0.99751
6 Dichloroprop	1794000	1801812	1771570	1683779	1573458	1417443	AVRG		1673677		9.11168
7 2,4-D	1518180	1864716	2194076	1971868	1896839	1696373	AVRG		1857009		12.49186
8 Pentachlorophenol	2926741	6845697	12331230	15471529	19409227	28346998	QUAD	0.02274	1.665e-008	1.856e-015	0.99848
9 Silvex	9577780	10020240	9885020	8612784	7869087	6334762	AVRG		8719946		16.35940
10 2,4,5-T	6799520	7945812	9698370	8048005	7688563	6392372	AVRG		7762107		14.88291
11 Dinoseb	7215360	7669452	8342460	7451307	7090750	5995810	AVRG		7294190		10.61542
12 2,4-DB	742380	815572	892922	791965	788206	730535	AVRG		793597		7.34321
2 2,4-Dichlorophenylacetic Acid	1885950	1814562	1707125	1547776	1468799	1269560	AVRG		1615629		14.30163

Katahdin Analytical Services A0000259

Report Date : 08-Jun-2011 11:57

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2011 12:36
End Cal Date : 19-MAY-2011 14:56
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Cal Date : 20-May-2011 09:10 gc08.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM 6
HERBICIDES INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/19/11 05/19/11

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1236 1456

LAB FILE ID: RF0.1: 8EE10155 RF0.25: 8EE10156 RF0.5: 8EE10154
RF0.75: 8EE10157 RF1: 8EE10158 RF2: 8EE10159

COMPOUND	RF0.1	RF0.25	RF0.5	RF0.75	RF1	RF2	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
2,4-D	996400	1202100	1414300	1311100	1316700	1225800	AVRG	1244399.47	11.488	40.000
Silvex	4995700	5395100	5682200	5180700	4936500	4294900	AVRG	5080839.78	9.299	40.000
2,4-Dichlorophenylacetic	1188000	1181100	1151300	1098900	1066800	951690	AVRG	1106295.04	8.066	40.000

FORM VI HERBICIDES

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/19/11 Time: 1524

Lab File ID: 8EE10160 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	1999400.0	0.01	7.67	15.00	AVRG
Silvex	8719900.0	9197100.0	0.01	5.47	15.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1707100.0	0.01	5.66	15.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/19/11 Time: 1524

Lab File ID: 8EE10160 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1280400.0	0.01	2.89	15.00	AVRG
Silvex	5080800.0	5295300.0	0.01	4.22	15.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1151300.0	0.01	4.07	15.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1200

Lab File ID: 8EE10236 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	2169000.0	0.01	16.80	20.00	AVRG
Silvex	8719900.0	9634800.0	0.01	10.49	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1589800.0	0.01	-1.60	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1200

Lab File ID: 8EE10236 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1419200.0	0.01	14.05	20.00	AVRG
Silvex	5080800.0	5592800.0	0.01	10.08	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1101200.0	0.01	-0.46	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1753

Lab File ID: 8EE10246 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	1946600.0	0.01	4.82	20.00	AVRG
Silvex	8719900.0	10203000	0.01	17.01	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1755300.0	0.01	8.65	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1753

Lab File ID: 8EE10246 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1320200.0	0.01	6.09	20.00	AVRG
Silvex	5080800.0	5757000.0	0.01	13.31	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1232000.0	0.01	11.36	20.00	AVRG

FORM VII PEST

FORM 8
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/19/11 05/19/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.23

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		ICAL 0.5	05/19/11	1236	10.23	
02		ICAL 0.1	05/19/11	1304	10.23	
03		ICAL 0.25	05/19/11	1332	10.23	
04		ICAL 0.75	05/19/11	1400	10.23	
05		ICAL 1.0	05/19/11	1428	10.23	
06		ICAL 2.0	05/19/11	1456	10.23	
07		IND 0.5	05/19/11	1524		
08		CV 0.5	05/25/11	1200	10.23	
09	WG91927-BLAN	WG91927-1	05/25/11	1341	10.23	
10	WG91927-LCS	WG91927-2	05/25/11	1409	10.22	
11	WG91927-LCSD	WG91927-3	05/25/11	1437	10.22	
12	WG91927-TCLP	WG91927-4	05/25/11	1505	10.22	
13	SITE6-IDW-21	SE2818-6	05/25/11	1533	10.22	
14	SITE6-IDW-55	SE2818-8	05/25/11	1601	10.22	
15	SITE6-IDW-78	SE2818-10	05/25/11	1629	10.22	
16	SITE6-IDW-95	SE2818-12	05/25/11	1657	10.22	
17		CV 0.25	05/25/11	1753	10.22	
18						
19						
20						

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII HERBICIDES

FORM 8
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/19/11 05/19/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.60

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		ICAL 0.5	05/19/11	1236	10.60	
02		ICAL 0.1	05/19/11	1304	10.62	
03		ICAL 0.25	05/19/11	1332	10.62	
04		ICAL 0.75	05/19/11	1400	10.62	
05		ICAL 1.0	05/19/11	1428	10.62	
06		ICAL 2.0	05/19/11	1456	10.62	
07		IND 0.5	05/19/11	1524		
08		CV 0.5	05/25/11	1200	10.59	
09	WG91927-BLAN	WG91927-1	05/25/11	1341	10.60	
10	WG91927-LCS	WG91927-2	05/25/11	1409	10.61	
11	WG91927-LCSD	WG91927-3	05/25/11	1437	10.61	
12	WG91927-TCLP	WG91927-4	05/25/11	1505	10.62	
13	SITE6-IDW-21	SE2818-6	05/25/11	1533	10.62	
14	SITE6-IDW-55	SE2818-8	05/25/11	1601	10.62	
15	SITE6-IDW-78	SE2818-10	05/25/11	1629	10.62	
16	SITE6-IDW-95	SE2818-12	05/25/11	1657	10.61	
17		CV 0.25	05/25/11	1753	10.62	
18						
19						
20						

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII HERBICIDES

VOLATILES DATA

QC Summary Section

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Level:(low/med) MED

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-MEOHBLANK	WG91953-4	94	102	92	93	0
02	SITE6-IDW-782	SE2818-11DL	106	112	88	98	0
03	SITE6-IDW-954	SE2818-13DL	88	96	87	94	0
04	WG92042-MEOHBLANK	WG92042-3	117	122	118*	110	1
05	SITE6-IDW-2117	SE2818-7DL2	107	111	108	106	0
06	SITE6-IDW-5526	SE2818-9DL2RA	108	116	108	107	0
07	WG92097-MEOHBLANK	WG92097-3	113	122	112	104	0
08	SITE6-S001	SE2818-1DL	119	126	122*	109	1
09	SITE6-S002	SE2818-2DL	123	127	124*	114	1
10	SITE6-S004	SE2818-4DL	117	122	119*	108	1
11	SITE6-S005	SE2818-5DL	118	129	118*	110	1
12	SITE6-S003	SE2818-3DL	119	125	120*	110	1
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28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(64-130)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(58-134)
SMC3 (TOL)	= Toluene-D8	(85-115)
SMC4 (BFB)	= P-Bromofluorobenzene	(85-120)

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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-LCS	WG91953-1	84*	80	83*	78	2
02	WG91953-BLANK	WG91953-2	105	102	110	102	0
03	WG92042-LCS	WG92042-1	102	100	100	96	0
04	WG92042-BLANK	WG92042-2	130*	130*	131*	115	3
05	WG92097-LCS	WG92097-1	106	107	106	95	0
06	WG92097-BLANK	WG92097-2	122*	129*	124*	112	3
07							
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28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(85-115)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(70-120)
SMC3 (TOL)	= Toluene-D8	(85-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(75-120)

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

WG91953-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2300C Lab Sample ID: WG91953-2

Date Analyzed: 05/24/11 Time Analyzed: 1913

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	WG91953-LCS	WG91953-1	T2298C	05/24/11	1755
02	WG91953-MEOHBLANK	WG91953-4	T2302	05/24/11	2018
03	SITE6-IDW-782	SE2818-11DL	T2305	05/24/11	2156
04	SITE6-IDW-954	SE2818-13DL	T2306	05/24/11	2229
05					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG92042-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2317A Lab Sample ID: WG92042-2

Date Analyzed: 05/25/11 Time Analyzed: 1133

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	WG92042-LCS	WG92042-1	T2315A	05/25/11	1005
02	WG92042-MEOHBLANK	WG92042-3	T2318	05/25/11	1206
03	SITE6-IDW-2117	SE2818-7DL2	T2319	05/25/11	1238
04	SITE6-IDW-5526	SE2818-9DL2RA	T2328	05/25/11	1731
05					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG92097-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2362A Lab Sample ID: WG92097-2

Date Analyzed: 05/27/11 Time Analyzed: 1122

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	WG92097-LCS	WG92097-1	T2359A	05/27/11	0931
02	WG92097-MEOHBLANK	WG92097-3	T2363	05/27/11	1155
03	SITE6-S001	SE2818-1DL	T2364	05/27/11	1227
04	SITE6-S002	SE2818-2DL	T2365	05/27/11	1259
05	SITE6-S004	SE2818-4DL	T2366	05/27/11	1332
06	SITE6-S005	SE2818-5DL	T2367	05/27/11	1404
07	SITE6-S003	SE2818-3DL	T2368	05/27/11	1437
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB266 BFB Injection Date: 05/24/11

Instrument ID: GCMS-T BFB Injection Time: 1245

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	20.3
75	30.0 - 60.0% of mass 95	36.6
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	87.0
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	95.0 - 101.0% of mass 174	84.2 (96.9)1
177	5.0 - 9.0% of mass 176	5.3 (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		VSTD050T24C	T2292	05/24/11	1306
02		VSTD200T24A	T2293	05/24/11	1400
03		VSTD100T24A	T2294	05/24/11	1432
04		VSTD020T24A	T2295	05/24/11	1504
05		VSTD005T24A	T2296	05/24/11	1537
06		VSTD001T24A	T2297	05/24/11	1610
07	WG91953-LCS	WG91953-1	T2298C	05/24/11	1755
08		IND CHECK	T2298A	05/24/11	1755
09	WG91953-BLANK	WG91953-2	T2300C	05/24/11	1913
10	WG91953-MEOHBLANK	WG91953-4	T2302	05/24/11	2018
11	SITE6-IDW-782	SE2818-11DL	T2305	05/24/11	2156
12	SITE6-IDW-954	SE2818-13DL	T2306	05/24/11	2229
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB267 BFB Injection Date: 05/25/11

Instrument ID: GCMS-T BFB Injection Time: 0854

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	43.0
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	84.5
175	5.0 - 9.0% of mass 174	6.4 (7.6)1
176	95.0 - 101.0% of mass 174	82.0 (97.0)1
177	5.0 - 9.0% of mass 176	6.7 (8.1)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		VSTD050T25A	T2314	05/25/11	0916
02	WG92042-LCS	WG92042-1	T2315A	05/25/11	1005
03	WG92042-BLANK	WG92042-2	T2317A	05/25/11	1133
04	WG92042-MEOHBLANK	WG92042-3	T2318	05/25/11	1206
05	SITE6-IDW-2117	SE2818-7DL2	T2319	05/25/11	1238
06	SITE6-IDW-5526	SE2818-9DL2RA	T2328	05/25/11	1731
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08					
09					
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB269 BFB Injection Date: 05/27/11

Instrument ID: GCMS-T BFB Injection Time: 0733

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	18.3
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	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	80.7
175	5.0 - 9.0% of mass 174	6.8 (8.5)1
176	95.0 - 101.0% of mass 174	80.1 (99.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.1)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		VSTD050T27A	T2357A	05/27/11	0757
02	WG92097-LCS	WG92097-1	T2359A	05/27/11	0931
03	WG92097-BLANK	WG92097-2	T2362A	05/27/11	1122
04	WG92097-MEOHBLANK	WG92097-3	T2363	05/27/11	1155
05	SITE6-S001	SE2818-1DL	T2364	05/27/11	1227
06	SITE6-S002	SE2818-2DL	T2365	05/27/11	1259
07	SITE6-S004	SE2818-4DL	T2366	05/27/11	1332
08	SITE6-S005	SE2818-5DL	T2367	05/27/11	1404
09	SITE6-S003	SE2818-3DL	T2368	05/27/11	1437
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2292 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1306

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	409515	9.89	637773	10.55	477924	14.10
UPPER LIMIT	819030	10.39	1275546	11.05	955848	14.60
LOWER LIMIT	204758	9.39	318887	10.05	238962	13.60

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	417431	9.88	628934	10.55	485875	14.09
02	WG91953-BLANK	WG91953-2	349701	9.87	508528	10.54	429238	14.09
03	WG91953-MEOHBLANK	WG91953-4	338397	9.86	505742	10.53	420311	14.08
04	SITE6-IDW-782	SE2818-11DL	348918	9.87	542230	10.54	425970	14.09
05	SITE6-IDW-954	SE2818-13DL	389199	9.87	579018	10.54	445736	14.09
06		VSTD050T25A	408431	9.88	639921	10.54	508373	14.09
07	WG92042-LCS	WG92042-1	412993	9.87	637259	10.54	504387	14.09
08	WG92042-BLANK	WG92042-2	365688	9.88	555547	10.54	473356	14.09
09	WG92042-MEOHBLANK	WG92042-3	362213	9.87	535569	10.53	465761	14.09
10	SITE6-IDW-2117	SE2818-7DL2	394747	9.88	607787	10.54	491115	14.10
11	SITE6-IDW-5526	SE2818-9DL2RA	377282	9.87	577114	10.54	476079	14.09
12		VSTD050T27A	377710	9.86	577527	10.53	465164	14.08
13	WG92097-LCS	WG92097-1	422679	9.88	637562	10.54	513506	14.09
14	WG92097-BLANK	WG92097-2	380414	9.87	568555	10.53	482496	14.09
15	WG92097-MEOHBLANK	WG92097-3	355868	9.86	533100	10.54	459831	14.08
16	SITE6-S001	SE2818-1DL	366562	9.87	542055	10.54	478001	14.08
17	SITE6-S002	SE2818-2DL	368178	9.87	547628	10.54	481833	14.08
18	SITE6-S004	SE2818-4DL	388674	9.87	576590	10.53	506651	14.09
19	SITE6-S005	SE2818-5DL	384281	9.87	586860	10.54	505228	14.09
20	SITE6-S003	SE2818-3DL	387818	9.87	586006	10.54	496796	14.09

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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2292 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1306

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	274556	17.28				
UPPER LIMIT	549112	17.78				
LOWER LIMIT	137278	16.78				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG91953-LCS	WG91953-1	272425	17.27				
02	WG91953-BLANK	WG91953-2	220386	17.26				
03	WG91953-MEOHBLANK	WG91953-4	227331	17.25				
04	SITE6-IDW-782	SE2818-11DL	238643	17.26				
05	SITE6-IDW-954	SE2818-13DL	230436	17.26				
06		VSTD050T25A	278310	17.27				
07	WG92042-LCS	WG92042-1	278751	17.27				
08	WG92042-BLANK	WG92042-2	229570	17.27				
09	WG92042-MEOHBLANK	WG92042-3	230717	17.26				
10	SITE6-IDW-2117	SE2818-7DL2	256771	17.27				
11	SITE6-IDW-5526	SE2818-9DL2RA	240902	17.26				
12		VSTD050T27A	263738	17.26				
13	WG92097-LCS	WG92097-1	281007	17.27				
14	WG92097-BLANK	WG92097-2	230923	17.26				
15	WG92097-MEOHBLANK	WG92097-3	224330	17.27				
16	SITE6-S001	SE2818-1DL	229088	17.27				
17	SITE6-S002	SE2818-2DL	234590	17.27				
18	SITE6-S004	SE2818-4DL	250857	17.26				
19	SITE6-S005	SE2818-5DL	267786	17.26				
20	SITE6-S003	SE2818-3DL	242032	17.26				

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

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-1DL
Client ID: SITE6-S001
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	J	170	ug/Kgdrywt	1	5	260	26.	130
p-Bromofluorobenzene		109.	%					
Toluene-D8	*	122.	%					
1,2-Dichloroethane-D4		126.	%					
Dibromofluoromethane		119.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2364.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2364.D
Lab Smp Id: SE2818-1DL Client Smp ID: SITE6-S001
Inj Date : 27-MAY-2011 12:27 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : SE2818-1DL
Misc Info : WG92097,T2292
Comment : SW846 5035,MED
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	10.116	% moisture
Vo	30000.000	Prep Volume (uL)
Ws	5.990	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	600.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/1)	FINAL (ug/Kgdrywt)	REVIEW (
67 Chlorobenzene	112	14.104	14.121	(1.002)	45179	3.22185	168(a)	
$ 37 Dibromofluoromethane	113	9.152	9.169	(0.927)	303542	59.6065	3100	
* 42 Pentafluorobenzene	168	9.873	9.890	(1.000)	366562	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.908	9.925	(1.004)	282737	63.1767	3290	
* 49 1,4-Difluorobenzene	114	10.536	10.552	(1.000)	542055	50.0000		
$ 55 Toluene-D8	98	12.128	12.145	(1.151)	854788	61.0157	3180(R)	
* 66 Chlorobenzene-D5	117	14.081	14.098	(1.000)	478001	50.0000		
$ 77 P-Bromofluorobenzene	95	15.697	15.713	(1.490)	315652	54.5553	2840	
* 92 1,4-Dichlorobenzene-D4	152	17.266	17.283	(1.000)	229088	50.0000		

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-t.i\T052711.b\T2364.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2364.D
Lab Smp Id: SE2818-1DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: SITE6-S001
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

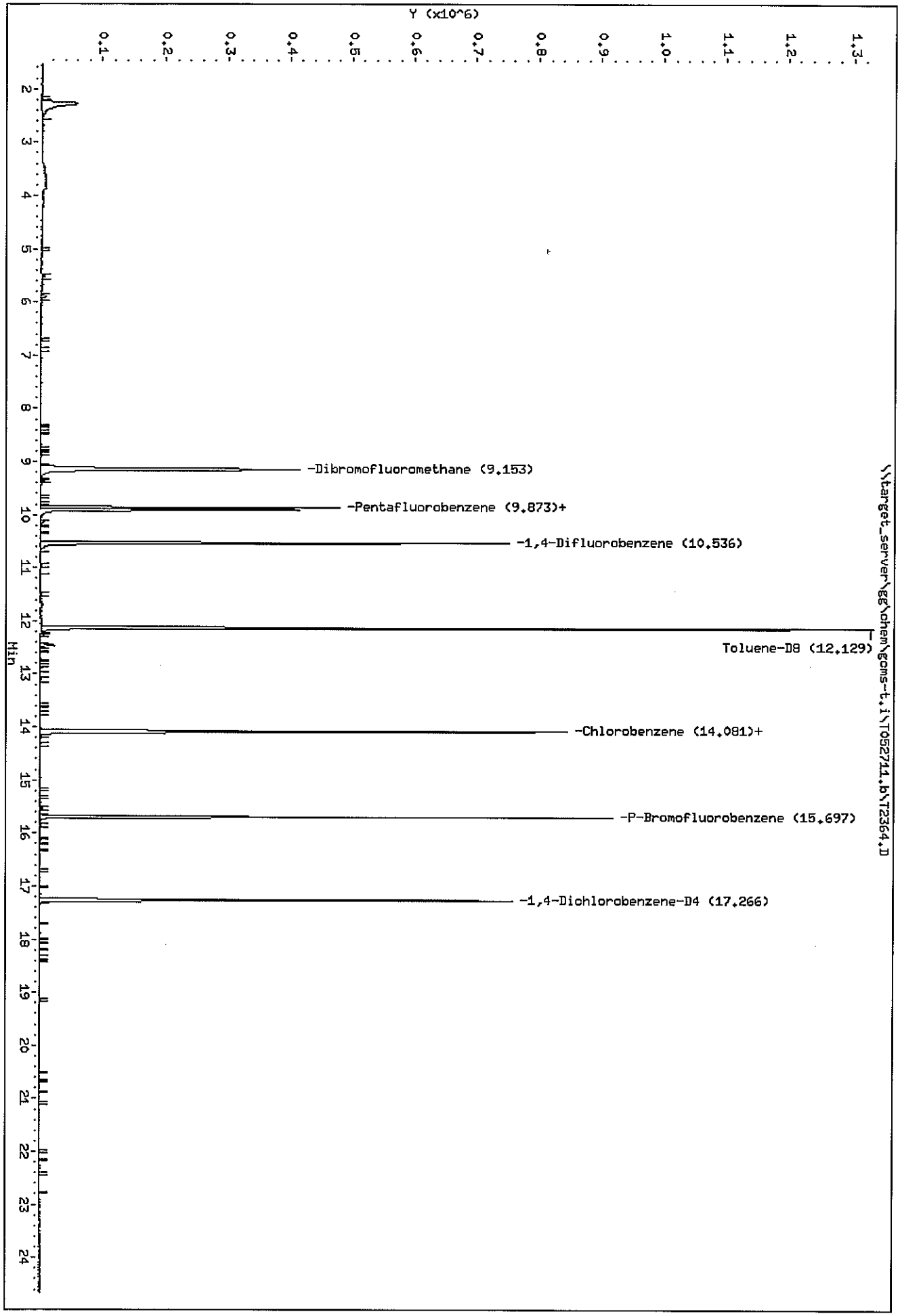
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	366562	-10.49
49 1,4-Difluorobenze	637773	318887	1275546	542055	-15.01
66 Chlorobenzene-D5	477924	238962	955848	478001	0.02
92 1,4-Dichlorobenze	274556	137278	549112	229088	-16.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.16
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.15
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.12
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052711.b\T2364.D
Date : 27-MAY-2011 12:27
Client ID: SITE6-S001
Sample Info: SE2818-1DL

Instrument: gcms-t.i



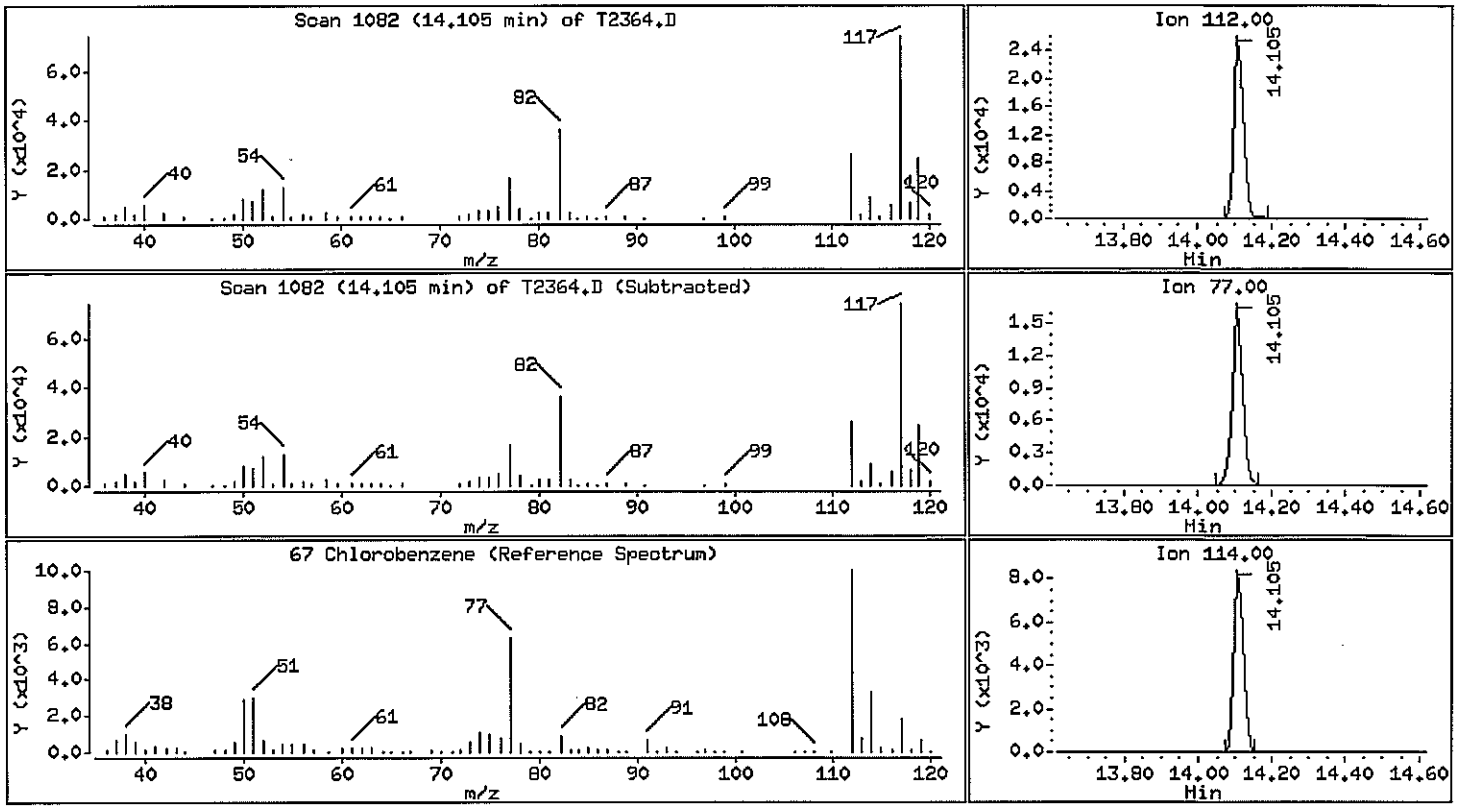
Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2364.D

Date : 27-MAY-2011 12:27

Client ID: SITE6-S001 Instrument: gcms-t.i

Sample Info: SE2818-1DL

67 Chlorobenzene Concentration: 168 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-2DL
Client ID: SITE6-S002
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 93.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		420	ug/Kgdrywt	1	5	290	30.	140
p-Bromofluorobenzene		114.	%					
Toluene-D8	*	124.	%					
1,2-Dichloroethane-D4		127.	%					
Dibromofluoromethane		123.	%					

600 Technology Way
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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2365.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2365.D
Lab Smp Id: SE2818-2DL Client Smp ID: SITE6-S002
Inj Date : 27-MAY-2011 12:59 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : SE2818-2DL
Misc Info : WG92097,T2292
Comment : SW846 5035,MED
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	7.229	% moisture
Vo	30000.000	Prep Volume (uL)
Ws	5.020	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	600.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
67 Chlorobenzene	112	14.105	14.121	(1.002)	101911	7.20979	415	
$ 37 Dibromofluoromethane	113	9.153	9.169	(0.927)	314286	61.4454	3540	
* 42 Pentafluorobenzene	168	9.874	9.890	(1.000)	368178	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.909	9.925	(1.004)	286189	63.6673	3660	
* 49 1,4-Difluorobenzene	114	10.537	10.552	(1.000)	547628	50.0000		
$ 55 Toluene-D8	98	12.129	12.145	(1.151)	878456	62.0670	3570(R)	
* 66 Chlorobenzene-D5	117	14.082	14.098	(1.000)	481833	50.0000		
$ 77 P-Bromofluorobenzene	95	15.698	15.713	(1.490)	334425	57.2117	3290	
* 92 1,4-Dichlorobenzene-D4	152	17.267	17.283	(1.000)	234590	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2365.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2365.D
Lab Smp Id: SE2818-2DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a8O.m
Misc Info: WG92097,T2292

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: SITE6-S002
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

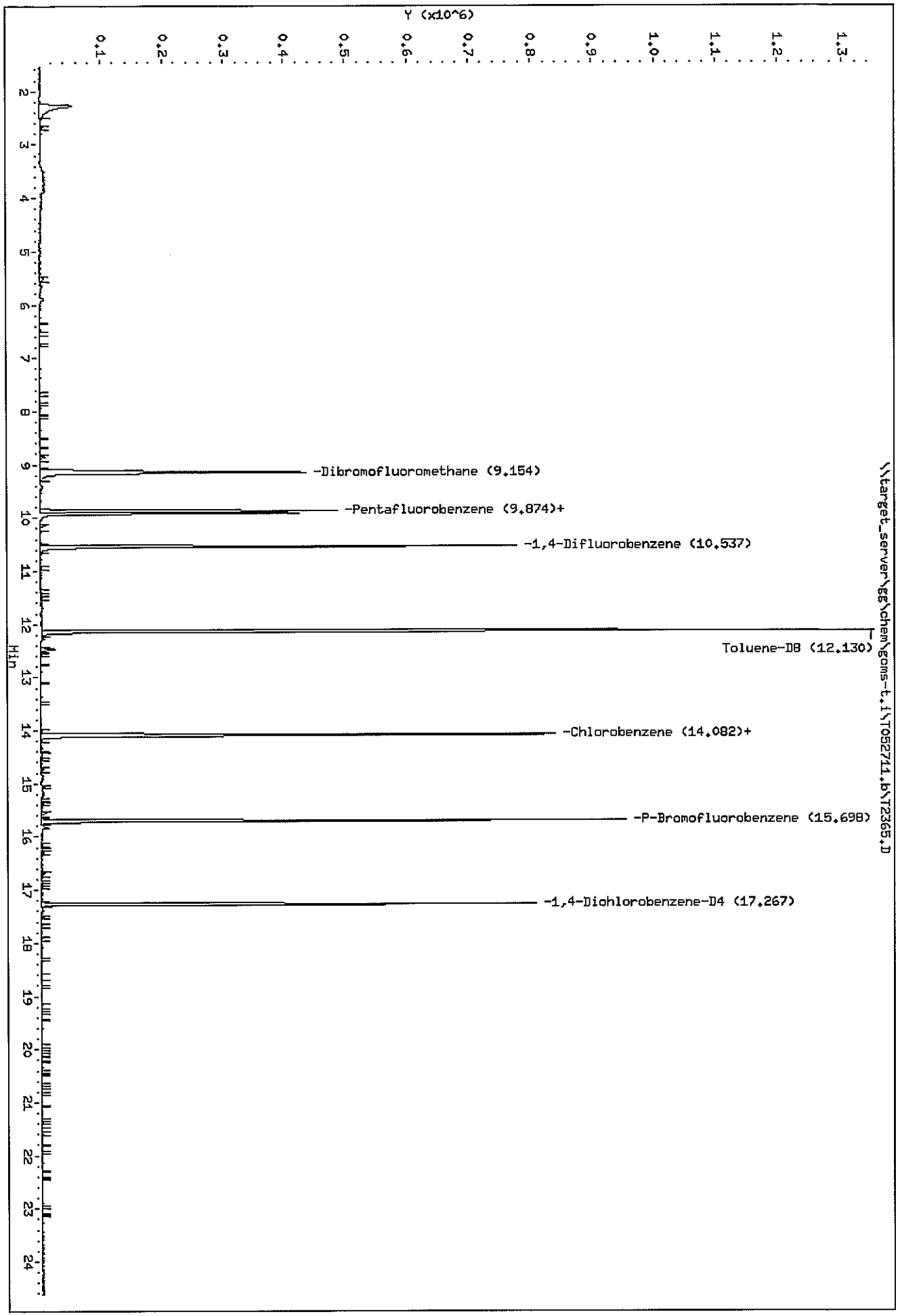
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	368178	-10.09
49 1,4-Difluorobenze	637773	318887	1275546	547628	-14.13
66 Chlorobenzene-D5	477924	238962	955848	481833	0.82
92 1,4-Dichlorobenze	274556	137278	549112	234590	-14.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.15
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.14
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.11
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052711.b\T2365.D
Date : 27-MAY-2011 12:59
Client ID: SITE6-S002
Sample Info: SE2B18-20L

Instrument: gcms-t.i



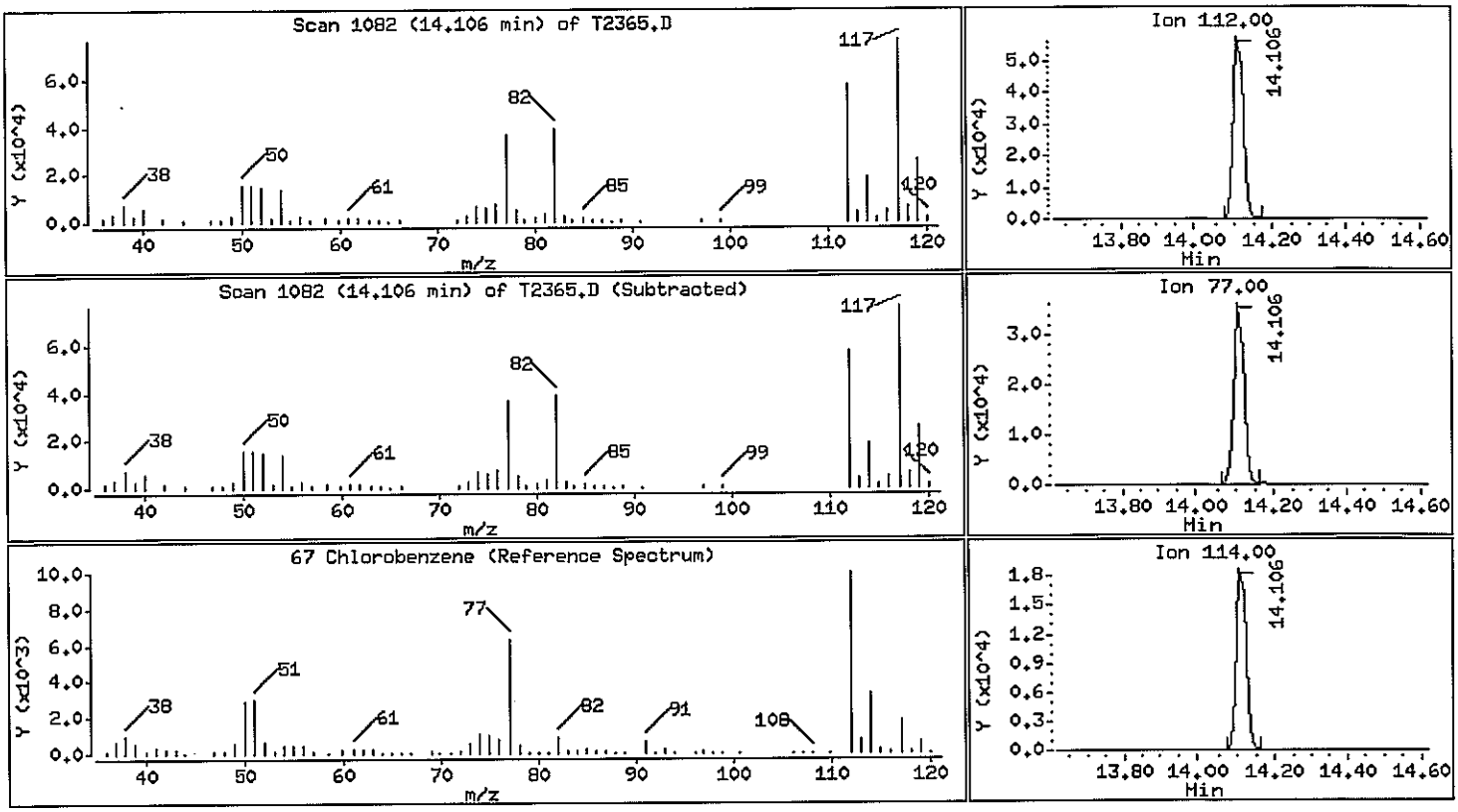
Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2365.D

Date : 27-MAY-2011 12:59

Client ID: SITE6-S002 Instrument: gcms-t.i

Sample Info: SE2818-2DL

67 Chlorobenzene Concentration: 415 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-3DL
Client ID: SITE6-S003
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 88.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		2600000	ug/Kgdrywt	1	5	100000	11000	52000
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	120.	%					
1,2-Dichloroethane-D4		125.	%					
Dibromofluoromethane		119.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2368.D
Report Date: 08-Jun-2011 12:52

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2368.D
Lab Smp Id: SE2818-3DL Client Smp ID: SITE6-S003
Inj Date : 27-MAY-2011 14:37 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : SE2818-3DL
Misc Info : WG92097,T2292
Comment : SW846 5035,MED
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	11.860	% moisture
Vo	30000.000	Prep Volume (uL)
Ws	6.300	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	1.500	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
67 Chlorobenzene	112	14.109	14.121	(1.002)	1810963	124.259	2570000	
$ 37 Dibromofluoromethane	113	9.146	9.169	(0.927)	321725	59.7144	1240000	
* 42 Pentafluorobenzene	168	9.867	9.890	(1.000)	387818	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	295345	62.3768	1290000	
* 49 1,4-Difluorobenzene	114	10.541	10.552	(1.000)	586006	50.0000		
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	908953	60.0158	1240000(R)	
* 66 Chlorobenzene-D5	117	14.086	14.098	(1.000)	496796	50.0000		
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.489)	345093	55.1704	1140000	
* 92 1,4-Dichlorobenzene-D4	152	17.260	17.283	(1.000)	242032	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2368.D
Report Date: 08-Jun-2011 12:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2368.D
Lab Smp Id: SE2818-3DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292

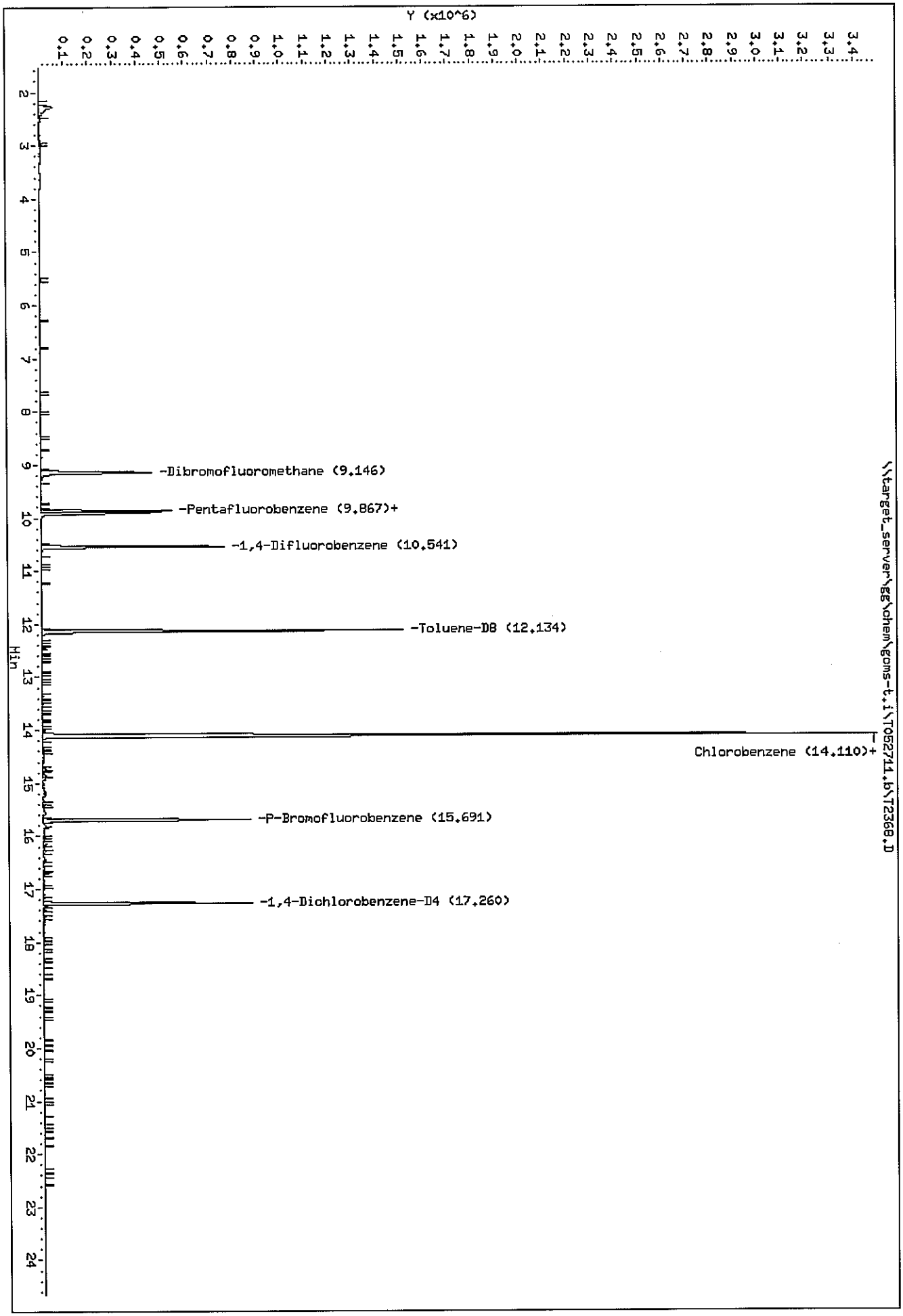
Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: SITE6-S003
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	387818	-5.30
49 1,4-Difluorobenze	637773	318887	1275546	586006	-8.12
66 Chlorobenzene-D5	477924	238962	955848	496796	3.95
92 1,4-Dichlorobenze	274556	137278	549112	242032	-11.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.23
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.10
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\gcms-t.i\T052711.b\T2368.D
Date : 27-MAY-2011 14:37
Client ID: SITEG-S003
Sample Info: SE2818-3DL
Instrument: gcms-t.i
\\target_server\gg\chem\gcms-t.i\T052711.b\T2368.D
Y (x10^6)
Min
-Dibromofluoromethane (9.146)
-Pentafluorobenzene (9.867)+
-1,4-Difluorobenzene (10.541)
-Toluene-D8 (12.134)
Chlorobenzene (14.110)+
-P-Bromofluorobenzene (15.691)
-1,4-Dichlorobenzene-D4 (17.260)

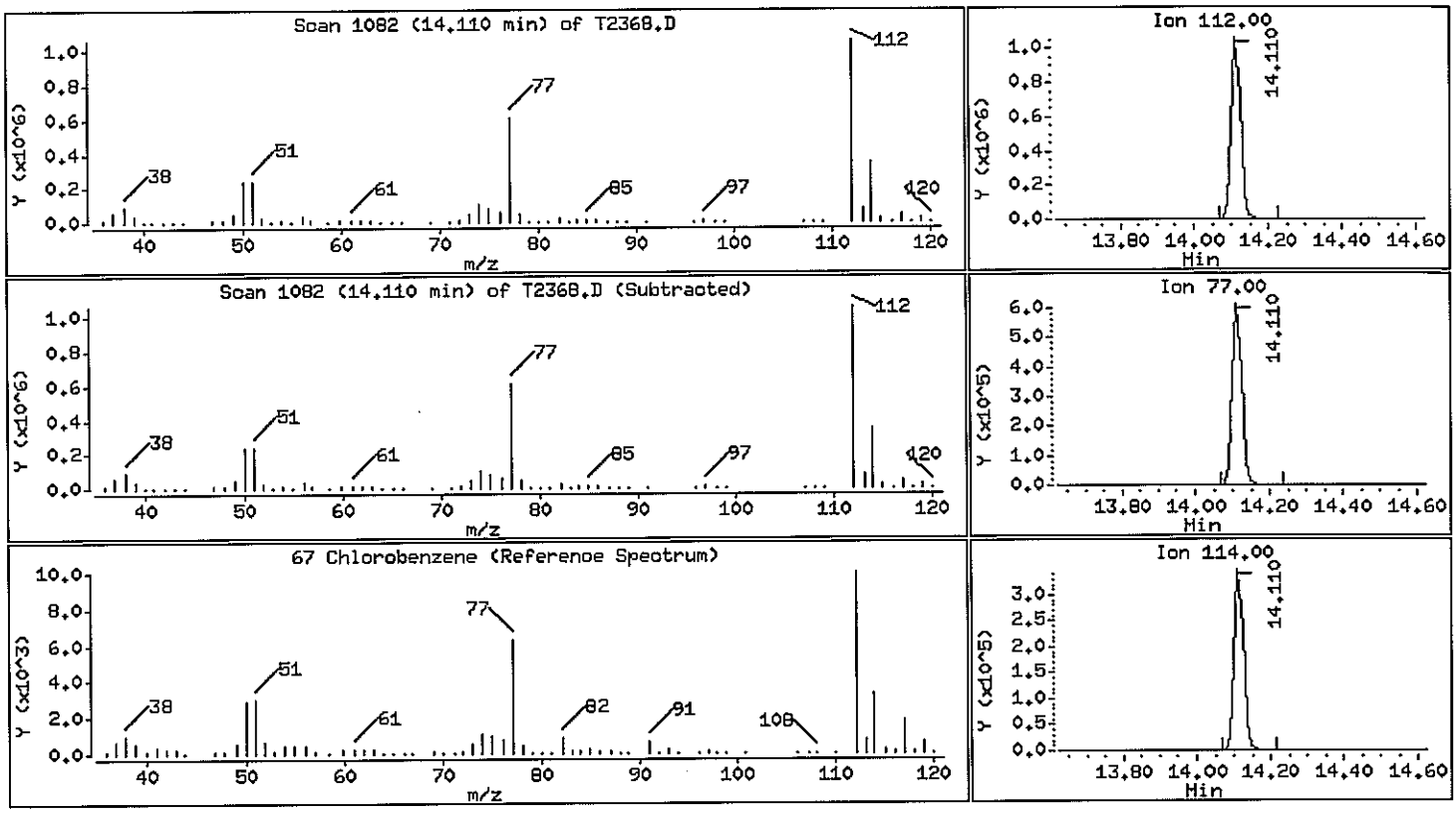
Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2368.D

Date : 27-MAY-2011 14:37

Client ID: SITE6-S003 Instrument: gcms-t.i

Sample Info: SE2818-3DL

67 Chlorobenzene Concentration: 2570000 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-4DL
Client ID: SITE6-S004
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		1000	ug/Kgdrywt	1	5	290	30.	140
p-Bromofluorobenzene		108.	%					
Toluene-D8	*	119.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		117.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2366.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2366.D
Lab Smp Id: SE2818-4DL Client Smp ID: SITE6-S004
Inj Date : 27-MAY-2011 13:32 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : SE2818-4DL
Misc Info : WG92097,T2292
Comment : SW846 5035,MED
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	11.056	% moisture
Vo	30000.000	Prep Volume (uL)
Ws	5.430	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	600.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
67 Chlorobenzene	112	14.114	14.121	(1.002)	269830	18.1543	1050	
$ 37 Dibromofluoromethane	113	9.150	9.169	(0.927)	316710	58.6541	3400	
* 42 Pentafluorobenzene	168	9.871	9.890	(1.000)	388674	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.906	9.925	(1.004)	289638	61.0368	3540	
* 49 1,4-Difluorobenzene	114	10.534	10.552	(1.000)	576590	50.0000		
$ 55 Toluene-D8	98	12.138	12.145	(1.152)	883813	59.3088	3440(R)	
* 66 Chlorobenzene-D5	117	14.091	14.098	(1.000)	506651	50.0000		
$ 77 P-Bromofluorobenzene	95	15.695	15.713	(1.490)	331909	53.9292	3130	
* 92 1,4-Dichlorobenzene-D4	152	17.264	17.283	(1.000)	250857	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2366.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2366.D
Lab Smp Id: SE2818-4DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: SITE6-S004
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

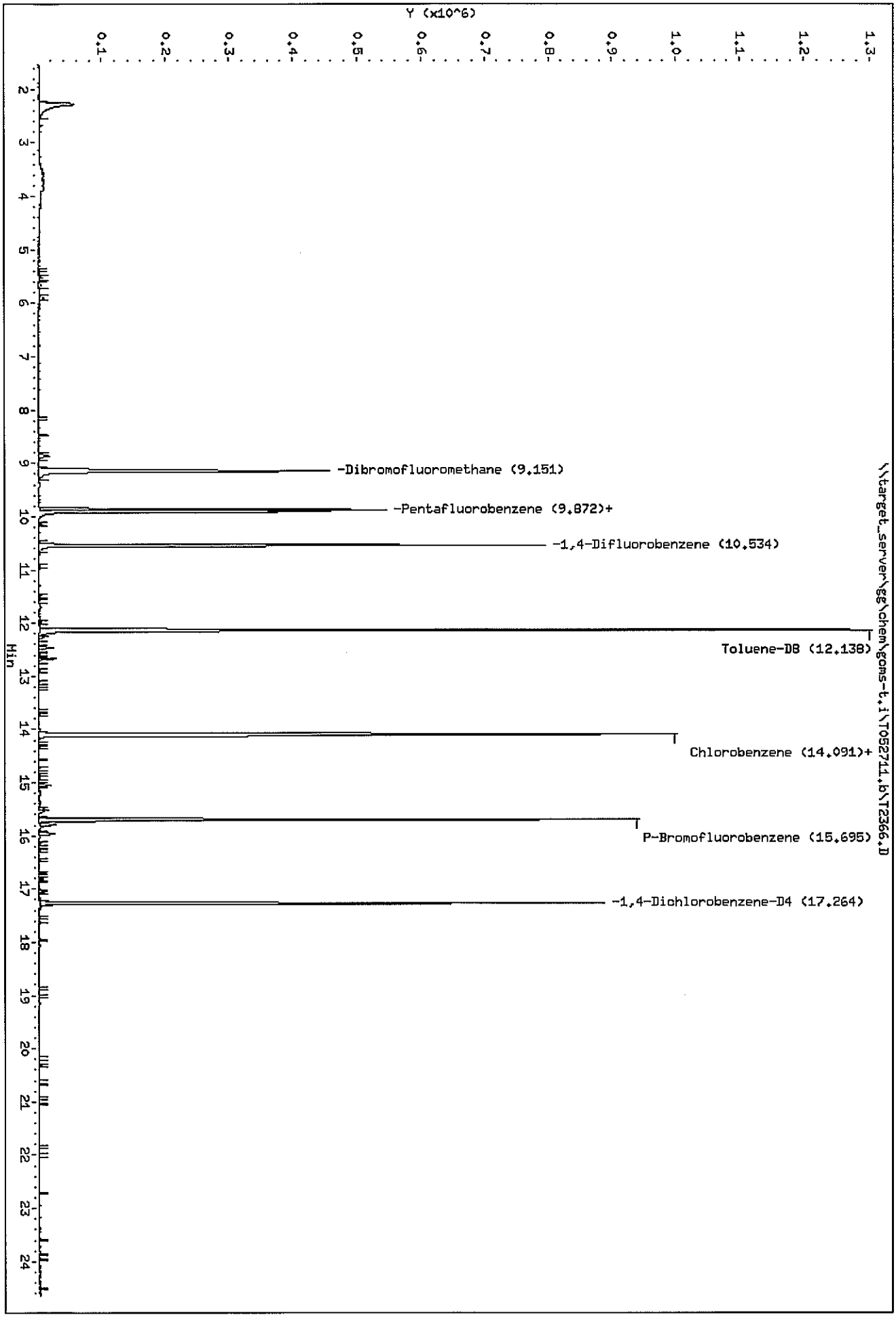
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	388674	-5.09
49 1,4-Difluorobenze	637773	318887	1275546	576590	-9.59
66 Chlorobenzene-D5	477924	238962	955848	506651	6.01
92 1,4-Dichlorobenze	274556	137278	549112	250857	-8.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.18
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.17
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.05
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\goms-t.i\T052711.b\T2366.D
Date : 27-MAY-2011 13:32
Client ID: SITE6-S004
Sample Info: SE2818-4DL

Instrument: goms-t.i



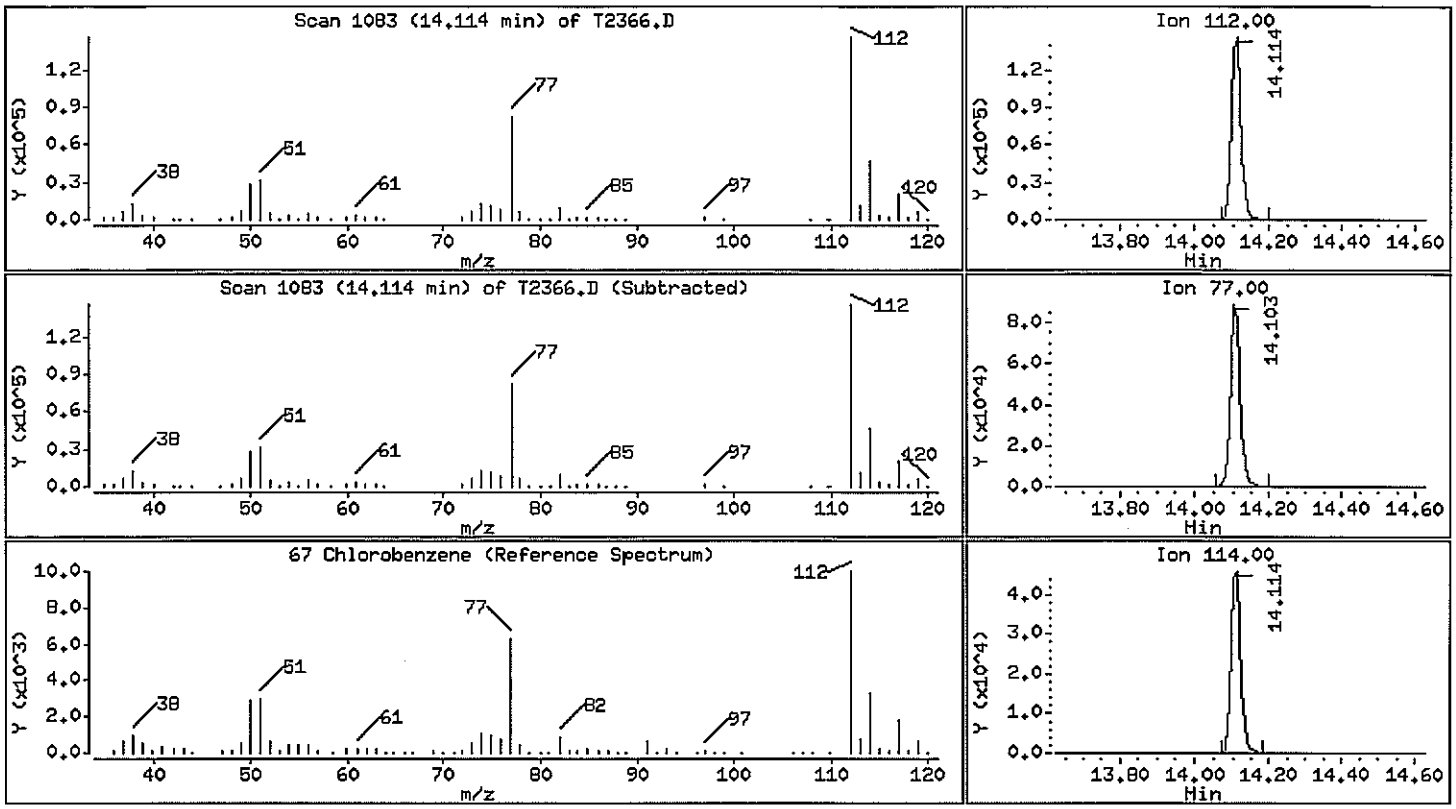
Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2366.D

Date : 27-MAY-2011 13:32

Client ID: SITE6-S004 Instrument: gcms-t.i

Sample Info: SE2818-4DL

67 Chlorobenzene Concentration: 1050 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-5DL
Client ID: SITE6-S005
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 18-MAY-11
Received Date: 20-MAY-11
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5035
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene		530	ug/Kgdrywt	1	5	260	26.	130
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	118.	%					
1,2-Dichloroethane-D4		129.	%					
Dibromofluoromethane		118.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2367.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2367.D
Lab Smp Id: SE2818-5DL Client Smp ID: SITE6-S005
Inj Date : 27-MAY-2011 14:04 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : SE2818-5DL
Misc Info : WG92097,T2292
Comment : SW846 5035,MED
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	10.977	% moisture
Vo	30000.000	Prep Volume (uL)
Ws	6.140	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	600.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
67 Chlorobenzene	112	14.108	14.121	(1.002)	150885	10.1802	528	
$ 37 Dibromofluoromethane	113	9.144	9.169	(0.927)	314776	58.9624	3060	
* 42 Pentafluorobenzene	168	9.865	9.890	(1.000)	384281	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.900	9.925	(1.004)	303179	64.6207	3350	
* 49 1,4-Difluorobenzene	114	10.539	10.552	(1.000)	586860	50.0000		
$ 55 Toluene-D8	98	12.132	12.145	(1.151)	894563	58.9797	3060(R)	
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	505228	50.0000		
$ 77 P-Bromofluorobenzene	95	15.700	15.713	(1.490)	344969	55.0703	2860	
* 92 1,4-Dichlorobenzene-D4	152	17.258	17.283	(1.000)	267786	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2367.D
Report Date: 08-Jun-2011 12:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2367.D
Lab Smp Id: SE2818-5DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292

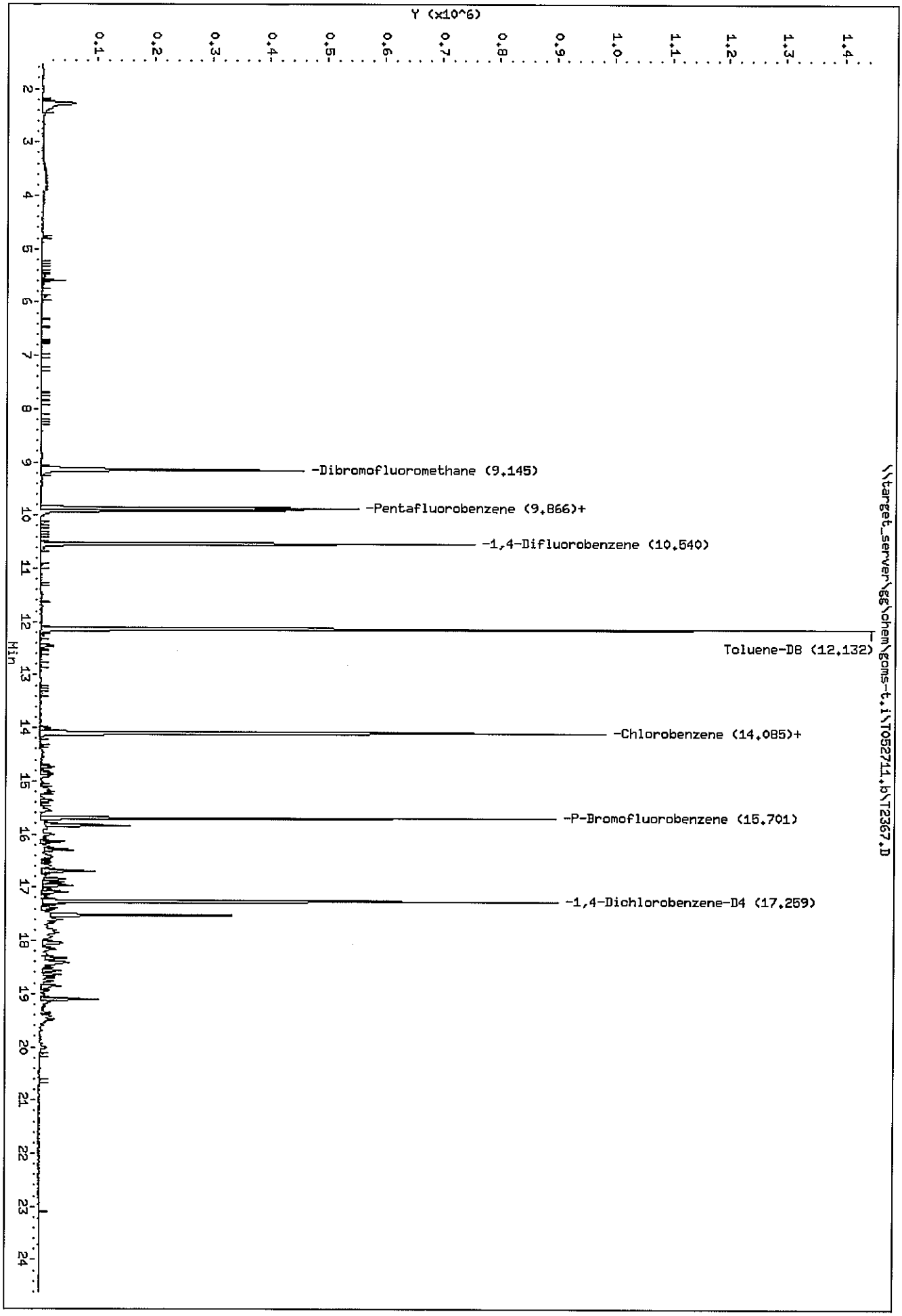
Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: SITE6-S005
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	384281	-6.16
49 1,4-Difluorobenze	637773	318887	1275546	586860	-7.98
66 Chlorobenzene-D5	477924	238962	955848	505228	5.71
92 1,4-Dichlorobenze	274556	137278	549112	267786	-2.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.12
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.09
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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\goms-t.i\T052711.b\T2367.D
Date : 27-MAY-2011 14:04
Client ID: SITE6-S005
Sample Info: SE2818-5DL
Instrument: goms-t.i
\\target_server\gg\chem\goms-t.i\T052711.b\T2367.D
Y (x10^6)
Min
-Dibromofluoromethane (9.145)
-Pentafluorobenzene (9.866)+
-1,4-Difluorobenzene (10.540)
Toluene-D8 (12.132)
-Chlorobenzene (14.085)+
-P-Bromofluorobenzene (15.701)
-1,4-Dichlorobenzene-D4 (17.259)

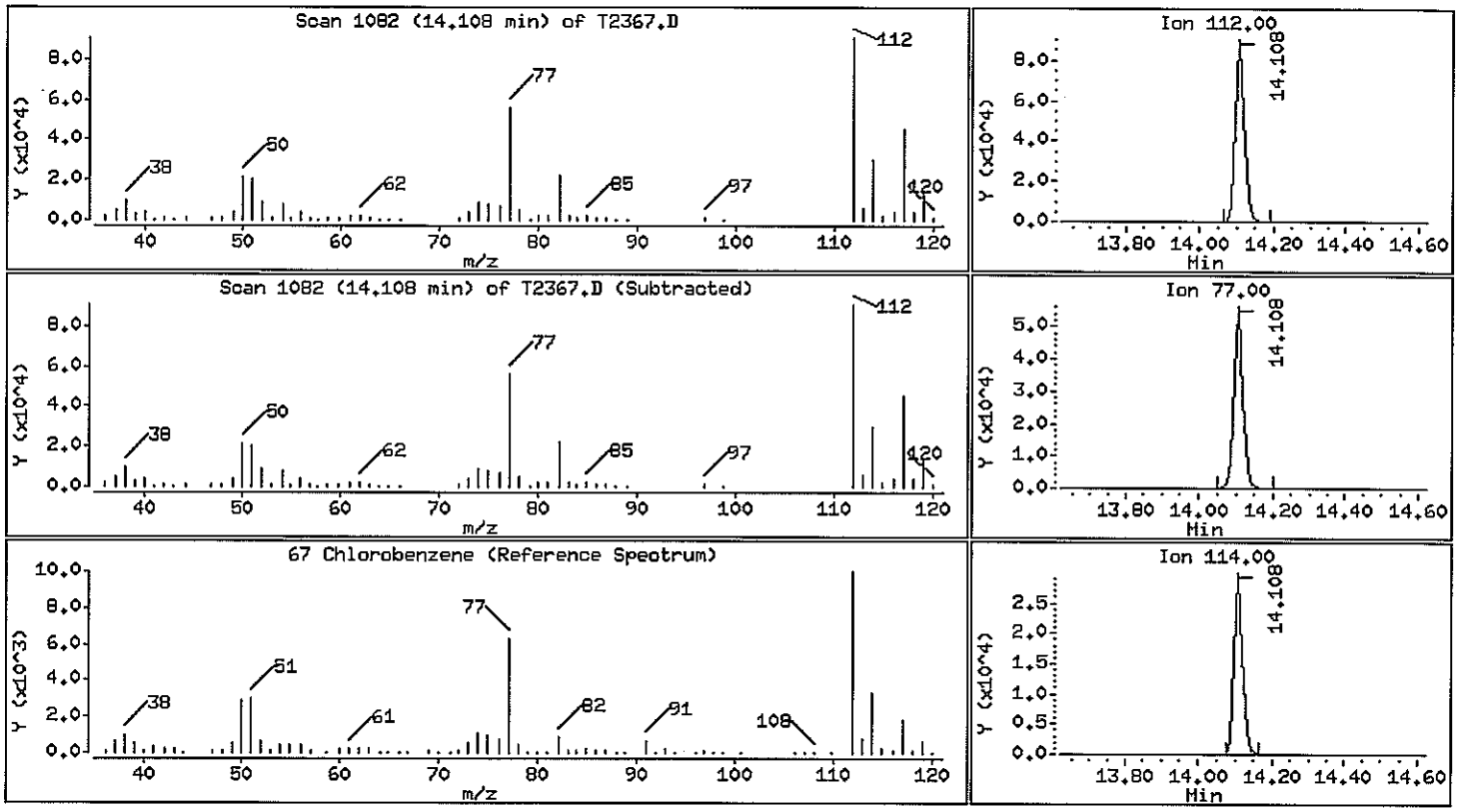
Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2367.D

Date : 27-MAY-2011 14:04

Client ID: SITE6-S005 Instrument: gcms-t.i

Sample Info: SE2818-5DL

67 Chlorobenzene Concentration: 528 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7DL2
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4700	ug/Kgdrywt	1	10	9400	860	4700
Chloromethane	U	4700	ug/Kgdrywt	1	10	9400	1300	4700
Vinyl Chloride	U	4700	ug/Kgdrywt	1	10	9400	820	4700
Bromomethane	U	4700	ug/Kgdrywt	1	10	9400	1000	4700
Chloroethane	U	4700	ug/Kgdrywt	1	10	9400	1200	4700
Trichlorofluoromethane	U	4700	ug/Kgdrywt	1	10	9400	860	4700
1,1-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	870	2400
Carbon Disulfide	U	2400	ug/Kgdrywt	1	5	4700	730	2400
Freon-113	U	2400	ug/Kgdrywt	1	5	4700	850	2400
Methylene Chloride	U	12000	ug/Kgdrywt	1	25	24000	7400	12000
Acetone	U	12000	ug/Kgdrywt	1	25	24000	4800	12000
trans-1,2-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	670	2400
Methyl tert-butyl Ether	U	2400	ug/Kgdrywt	1	5	4700	1000	2400
1,1-Dichloroethane	U	2400	ug/Kgdrywt	1	5	4700	1600	2400
cis-1,2-Dichloroethene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
Chloroform	J	1500	ug/Kgdrywt	1	5	4700	330	2400
Carbon Tetrachloride	U	2400	ug/Kgdrywt	1	5	4700	1200	2400
1,I,1-Trichloroethane	U	2400	ug/Kgdrywt	1	5	4700	390	2400
2-Butanone	U	12000	ug/Kgdrywt	1	25	24000	5500	12000
Benzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
Cyclohexane	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
1,2-Dichloroethane	U	2400	ug/Kgdrywt	1	5	4700	940	2400
Trichloroethene	U	2400	ug/Kgdrywt	1	5	4700	550	2400
1,2-Dichloropropane	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
Bromodichloromethane	U	2400	ug/Kgdrywt	1	5	4700	560	2400
cis-1,3-Dichloropropene	U	2400	ug/Kgdrywt	1	5	4700	680	2400
Toluene	U	2400	ug/Kgdrywt	1	5	4700	1300	2400
4-Methyl-2-Pentanone	U	12000	ug/Kgdrywt	1	25	24000	5500	12000
Tetrachloroethene	U	2400	ug/Kgdrywt	1	5	4700	1100	2400
trans-1,3-Dichloropropene	U	2400	ug/Kgdrywt	1	5	4700	810	2400
1,1,2-Trichloroethane	U	2400	ug/Kgdrywt	1	5	4700	910	2400
Dibromochloromethane	U	2400	ug/Kgdrywt	1	5	4700	940	2400
1,2-Dibromoethane	U	2400	ug/Kgdrywt	1	5	4700	1100	2400
2-Hexanone	U	12000	ug/Kgdrywt	1	25	24000	4500	12000
Chlorobenzene		150000	ug/Kgdrywt	1	5	4700	480	2400

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Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7DL2
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	2400	ug/Kgdrywt	1	5	4700	610	2400
Styrene	U	2400	ug/Kgdrywt	1	5	4700	480	2400
Bromoform	U	2400	ug/Kgdrywt	1	5	4700	660	2400
Isopropylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
1,1,2,2-Tetrachloroethane	U	2400	ug/Kgdrywt	1	5	4700	790	2400
1,3-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	580	2400
1,4-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	410	2400
1,2-Dichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	730	2400
1,2-Dibromo-3-Chloropropane	U	2400	ug/Kgdrywt	1	5	4700	1400	2400
1,2,4-Trichlorobenzene	U	2400	ug/Kgdrywt	1	5	4700	740	2400
Methyl Acetate	U	2800	ug/Kgdrywt	1	5	4700	2500	2800
Methylcyclohexane	U	2400	ug/Kgdrywt	1	5	4700	900	2400
1,2,4-Trimethylbenzene	J	990	ug/Kgdrywt	1	5	4700	820	2400
1,3,5-Trimethylbenzene	U	2400	ug/Kgdrywt	1	5	4700	630	2400
Di-isopropyl ether	U	2400	ug/Kgdrywt	1	5	4700	2000	2400
n-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
sec-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	860	2400
tert-Butylbenzene	U	2400	ug/Kgdrywt	1	5	4700	850	2400
m+p-Xylene	U	4700	ug/Kgdrywt	1	10	9400	1600	4700
o-Xylene	U	2400	ug/Kgdrywt	1	5	4700	1200	2400
Naphthalene	J	1200	ug/Kgdrywt	1	5	4700	830	2400
p-Bromofluorobenzene		106.	%					
Toluene-D8		108.	%					
1,2-Dichloroethane-D4		111.	%					
Dibromofluoromethane		107.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Data File: \\target_server\GG\chem\gcms-t.i\T052511A.b\T2319.D
Report Date: 26-May-2011 12:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052511A.b\T2319.D
Lab Smp Id: SE2818-7DL2 Client Smp ID: SITE6-IDW-2117
Inj Date : 25-MAY-2011 12:38 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-7DL2
Misc Info : WG92042,T2292
Comment : SW846 5030
Method : \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 25-May-2011 09:48 DMCLAUGHLI Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	9.220	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.130	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	25.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
34 Chloroform	83	8.855	8.878	(0.896)	15217	1.55207	1460(a)	
67 Chlorobenzene	112	14.120	14.121	(1.002)	2253485	156.412	147000	
89 1,2,4-Trimethylbenzene	105	16.689	16.701	(0.966)	18861	1.05639	993(a)	
102 Naphthalene	128	20.630	20.642	(1.195)	1033	1.28146	1200(a)	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.926)	294262	53.6584	50400	
$ 45 1,2-Dichloroethane-D4	65	9.913	9.925	(1.004)	267781	55.5626	52200	
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	851650	54.2171	51000	
$ 77 P-Bromofluorobenzene	95	15.701	15.713	(1.490)	345059	53.1880	50000	
* 42 Pentafluorobenzene	168	9.878	9.890	(1.000)	394747	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	607787	50.0000		
* 66 Chlorobenzene-D5	117	14.097	14.098	(1.000)	491115	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.271	17.283	(1.000)	256771	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\T052511A.b\T2319.D
Report Date: 26-May-2011 12:19

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2319.D
Lab Smp Id: SE2818-7DL2
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: WG92042,T2292

Calibration Date: 25-MAY-2011
Calibration Time: 09:16
Client Smp ID: SITE6-IDW-2117
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

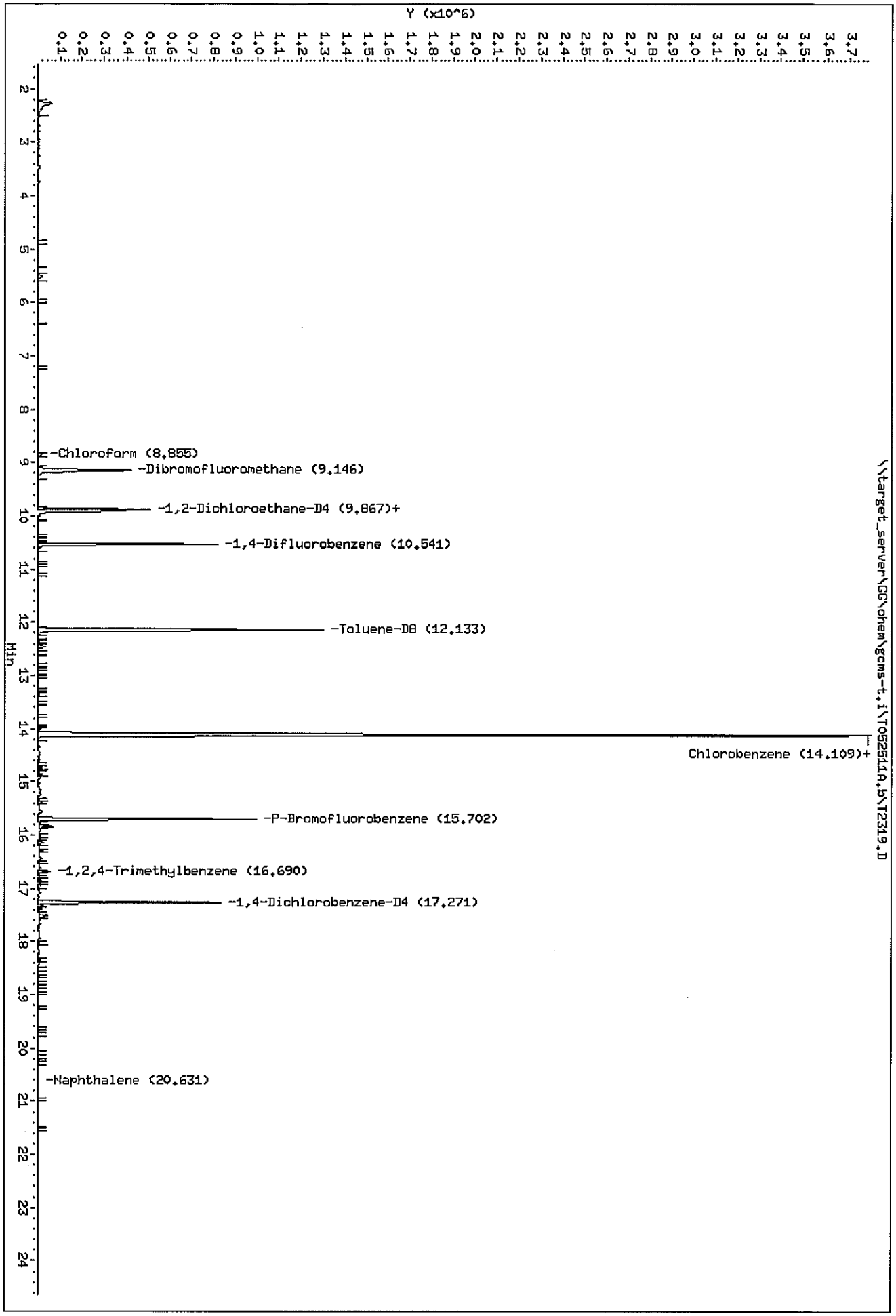
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	394747	-3.61
49 1,4-Difluorobenze	637773	318887	1275546	607787	-4.70
66 Chlorobenzene-D5	477924	238962	955848	491115	2.76
92 1,4-Dichlorobenze	274556	137278	549112	256771	-6.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.12
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.00
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\T052511A.b\T2319.D
Date : 25-MAY-2011 12:38
Client ID: SITE6-IDW-2117
Sample Info: SE2818-7DL2

Instrument: gcms-t.i



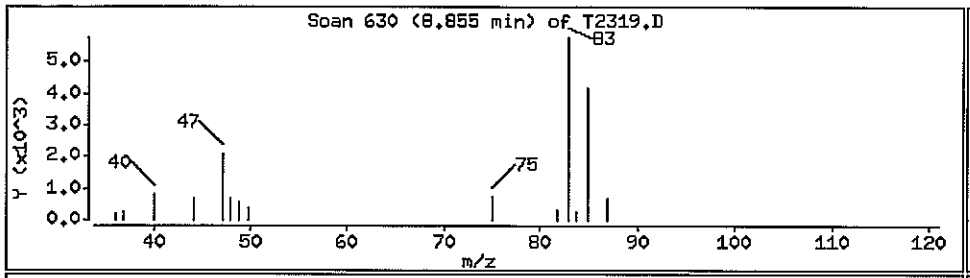
Data File: \\target_server\GC\chem\gcms-t.i\T052511A.b\T2319.D

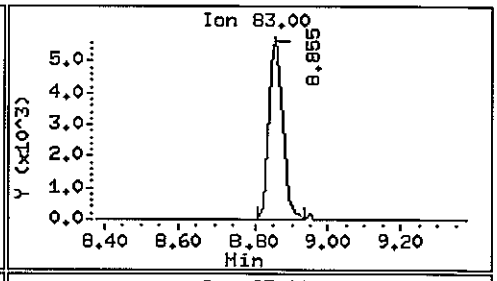
Date : 25-MAY-2011 12:38

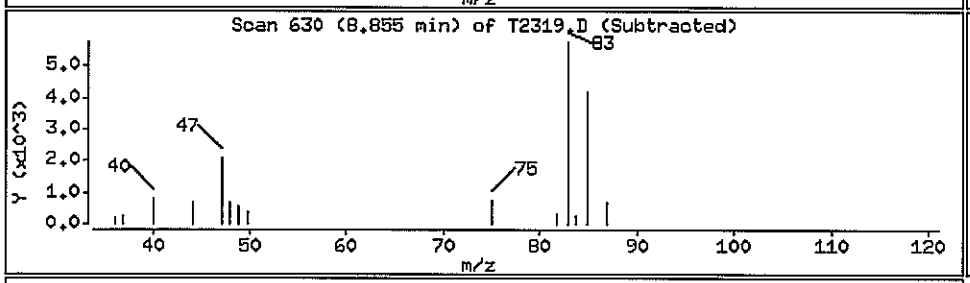
Client ID: SITE6-IDW-2117 Instrument: gcms-t.i

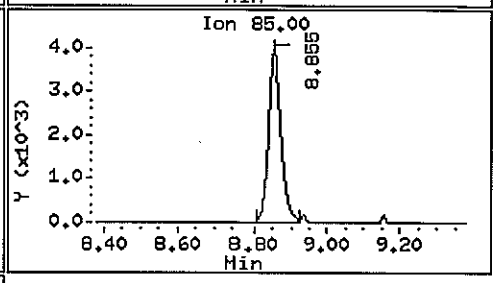
Sample Info: SE2818-7DL2

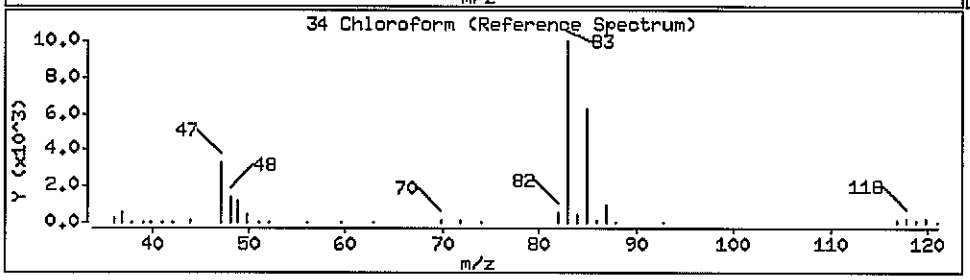
34 Chloroform Concentration: 1460 ug/Kgdrywt



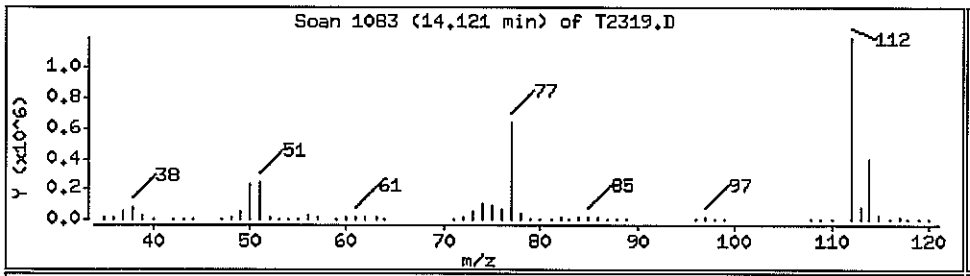


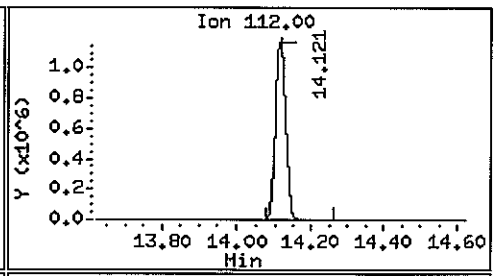


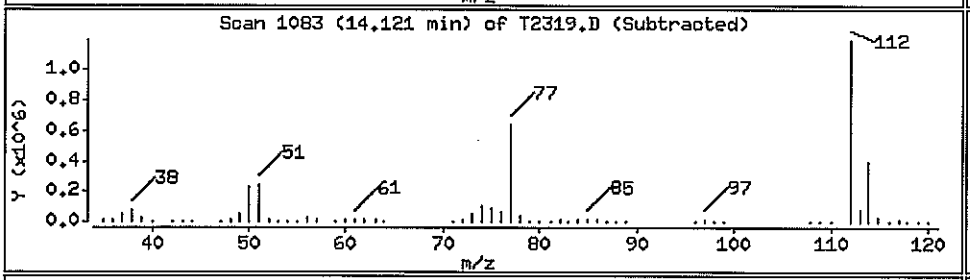


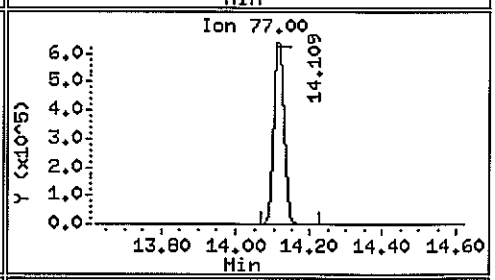


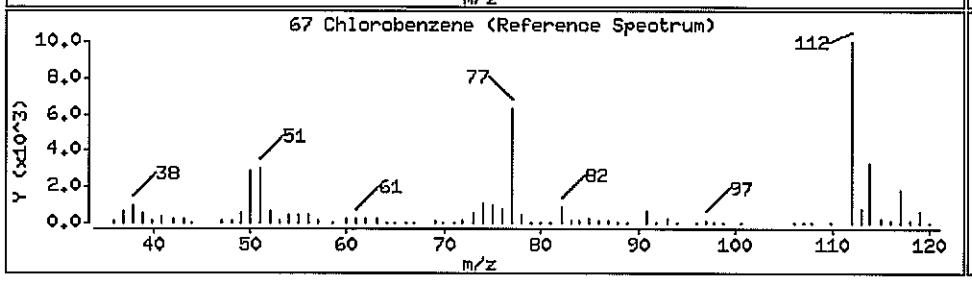
67 Chlorobenzene Concentration: 147000 ug/Kgdrywt

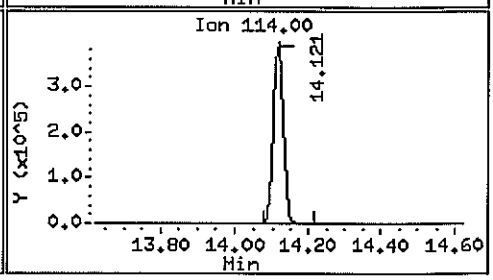






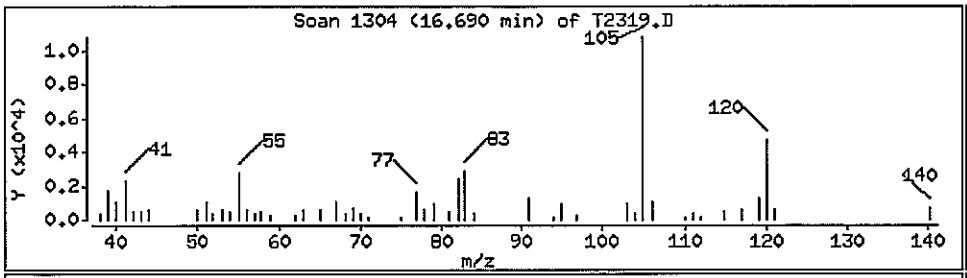


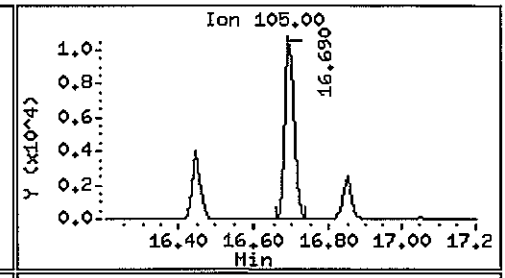


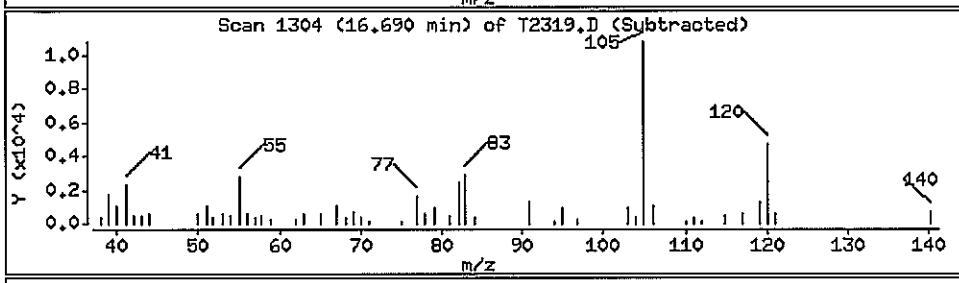


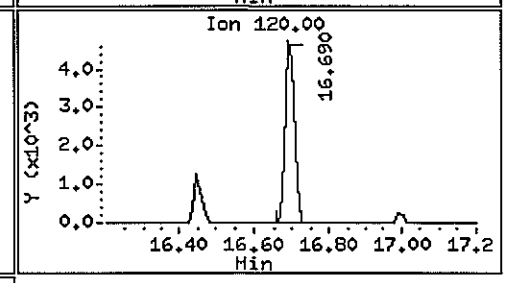
Data File: \\target_server\GC\chem\gcms-t.i\T052511A.b\T2319.D
Date : 25-MAY-2011 12:38
Client ID: SITE6-IDW-2117 Instrument: gcms-t.i
Sample Info: SE2818-7DL2

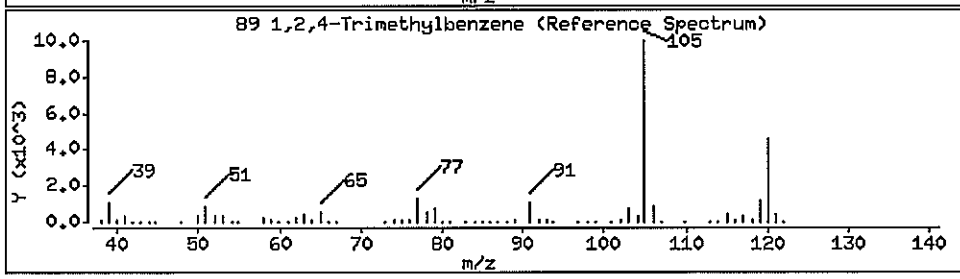
89 1,2,4-Trimethylbenzene Concentration: 993 ug/Kgdrywt



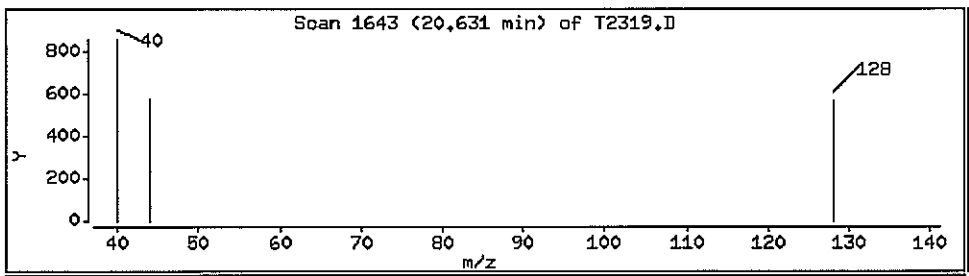


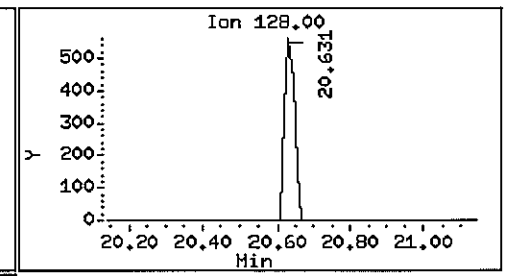


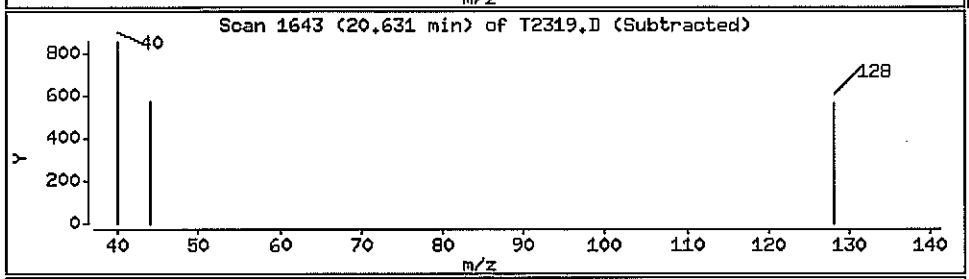


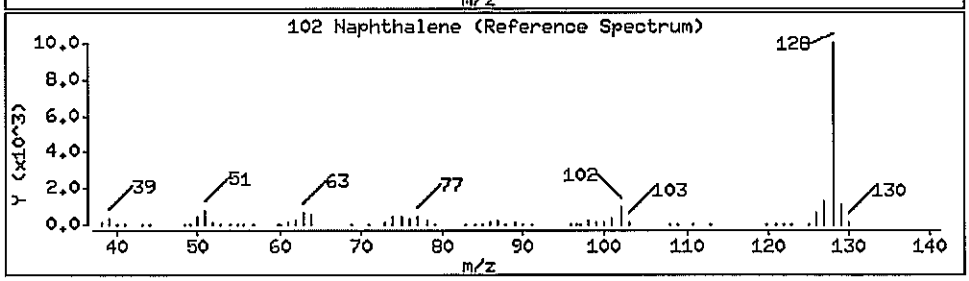


102 Naphthalene Concentration: 1200 ug/Kgdrywt









Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9DL2RA
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2400	ug/Kgdrywt	1	10	4800	440	2400
Chloromethane	U	2400	ug/Kgdrywt	1	10	4800	670	2400
Vinyl Chloride	U	2400	ug/Kgdrywt	1	10	4800	420	2400
Bromomethane	U	2400	ug/Kgdrywt	1	10	4800	530	2400
Chloroethane	U	2400	ug/Kgdrywt	1	10	4800	620	2400
Trichlorofluoromethane	U	2400	ug/Kgdrywt	1	10	4800	440	2400
1,1-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	450	1200
Carbon Disulfide	U	1200	ug/Kgdrywt	1	5	2400	370	1200
Freon-113	U	1200	ug/Kgdrywt	1	5	2400	430	1200
Methylene Chloride	U	6000	ug/Kgdrywt	1	25	12000	3800	6000
Acetone	U	6000	ug/Kgdrywt	1	25	12000	2400	6000
trans-1,2-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Methyl tert-butyl Ether	U	1200	ug/Kgdrywt	1	5	2400	530	1200
1,1-Dichloroethane	U	1200	ug/Kgdrywt	1	5	2400	820	1200
cis-1,2-Dichloroethene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
Chloroform	J	180	ug/Kgdrywt	1	5	2400	170	1200
Carbon Tetrachloride	U	1200	ug/Kgdrywt	1	5	2400	620	1200
1,1,1-Trichloroethane	U	1200	ug/Kgdrywt	1	5	2400	200	1200
2-Butanone	U	6000	ug/Kgdrywt	1	25	12000	2800	6000
Benzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
Cyclohexane	U	1200	ug/Kgdrywt	1	5	2400	670	1200
1,2-Dichloroethane	U	1200	ug/Kgdrywt	1	5	2400	480	1200
Trichloroethene	U	1200	ug/Kgdrywt	1	5	2400	280	1200
1,2-Dichloropropane	U	1200	ug/Kgdrywt	1	5	2400	670	1200
Bromodichloromethane	U	1200	ug/Kgdrywt	1	5	2400	290	1200
cis-1,3-Dichloropropene	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Toluene	U	1200	ug/Kgdrywt	1	5	2400	670	1200
4-Methyl-2-Pentanone	U	6000	ug/Kgdrywt	1	25	12000	2800	6000
Tetrachloroethene	U	1200	ug/Kgdrywt	1	5	2400	580	1200
trans-1,3-Dichloropropene	U	1200	ug/Kgdrywt	1	5	2400	410	1200
1,1,2-Trichloroethane	U	1200	ug/Kgdrywt	1	5	2400	460	1200
Dibromochloromethane	U	1200	ug/Kgdrywt	1	5	2400	480	1200
1,2-Dibromoethane	U	1200	ug/Kgdrywt	1	5	2400	580	1200
2-Hexanone	U	6000	ug/Kgdrywt	1	25	12000	2300	6000
Chlorobenzene		65000	ug/Kgdrywt	1	5	2400	240	1200

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Tel:(207) 874-2400 Fax:(207) 775-4029

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9DL2RA
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	310	1200
Styrene	U	1200	ug/Kgdrywt	1	5	2400	240	1200
Bromoform	U	1200	ug/Kgdrywt	1	5	2400	340	1200
Isopropylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
1,1,2,2-Tetrachloroethane	U	1200	ug/Kgdrywt	1	5	2400	400	1200
1,3-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	300	1200
1,4-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	210	1200
1,2-Dichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	370	1200
1,2-Dibromo-3-Chloropropane	U	1200	ug/Kgdrywt	1	5	2400	720	1200
1,2,4-Trichlorobenzene	U	1200	ug/Kgdrywt	1	5	2400	380	1200
Methyl Acetate	U	1400	ug/Kgdrywt	1	5	2400	1300	1400
Methylcyclohexane	U	1200	ug/Kgdrywt	1	5	2400	460	1200
1,2,4-Trimethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	420	1200
1,3,5-Trimethylbenzene	U	1200	ug/Kgdrywt	1	5	2400	320	1200
Di-isopropyl ether	U	1200	ug/Kgdrywt	1	5	2400	1000	1200
n-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
sec-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	440	1200
tert-Butylbenzene	U	1200	ug/Kgdrywt	1	5	2400	430	1200
m+p-Xylene	U	2400	ug/Kgdrywt	1	10	4800	820	2400
o-Xylene	U	1200	ug/Kgdrywt	1	5	2400	620	1200
Naphthalene	U	1200	ug/Kgdrywt	1	5	2400	420	1200
p-Bromofluorobenzene		107.	%					
Toluene-D8		108.	%					
1,2-Dichloroethane-D4		116.	%					
Dibromofluoromethane		108.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\GG\chem\gcms-t.i\T052511A.b\T2328.D
Report Date: 26-May-2011 12:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052511A.b\T2328.D
Lab Smp Id: SE2818-9DL2RA Client Smp ID: SITE6-IDW-5526
Inj Date : 25-MAY-2011 17:31 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-9DL2RA
Misc Info : WG92042,T2292
Comment : SW846 5030
Method : \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 25-May-2011 09:48 DMCLAUGHLI Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	10.131	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.110	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	50.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
34 Chloroform	83	8.854	8.878	(0.897)	3439	0.36700	176(a)	
67 Chlorobenzene	112	14.108	14.121	(1.002)	1882665	134.801	64800	
$ 37 Dibromofluoromethane	113	9.144	9.169	(0.927)	283401	54.0701	26000	
$ 45 1,2-Dichloroethane-D4	65	9.900	9.925	(1.004)	266009	57.7500	27800	
$ 55 Toluene-D8	98	12.132	12.145	(1.151)	807993	54.1717	26000	
$ 77 P-Bromofluorobenzene	95	15.700	15.713	(1.490)	330892	53.7151	25800	
* 42 Pentafluorobenzene	168	9.865	9.890	(1.000)	377282	50.0000		
* 49 1,4-Difluorobenzene	114	10.539	10.552	(1.000)	577114	50.0000		
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	476079	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.258	17.283	(1.000)	240902	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\T052511A.b\T2328.D
Report Date: 26-May-2011 12:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2328.D
Lab Smp Id: SE2818-9DL2RA
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: WG92042,T2292

Calibration Date: 25-MAY-2011
Calibration Time: 09:16
Client Smp ID: SITE6-IDW-5526
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

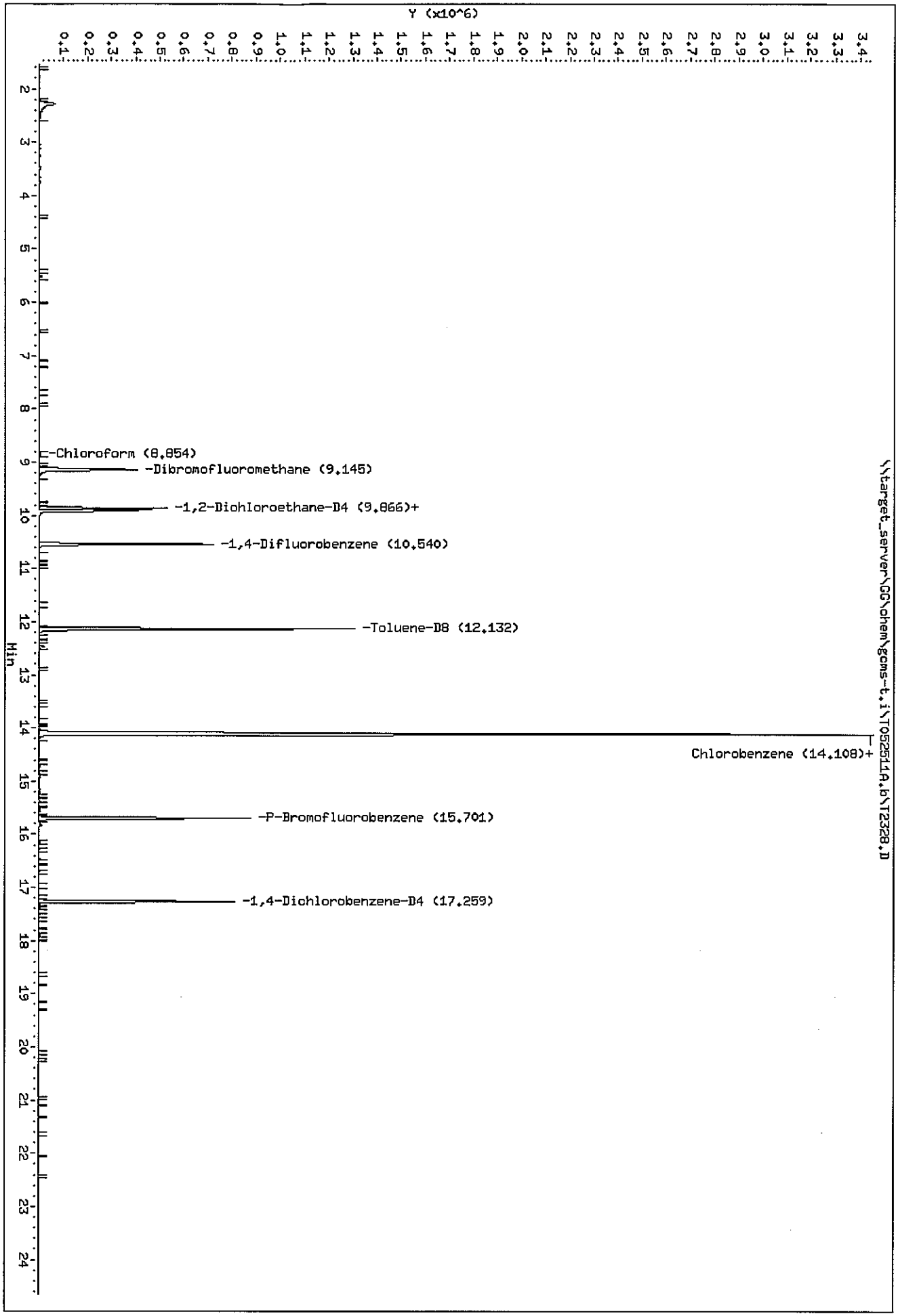
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	377282	-7.87
49 1,4-Difluorobenze	637773	318887	1275546	577114	-9.51
66 Chlorobenzene-D5	477924	238962	955848	476079	-0.39
92 1,4-Dichlorobenze	274556	137278	549112	240902	-12.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.12
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.09
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

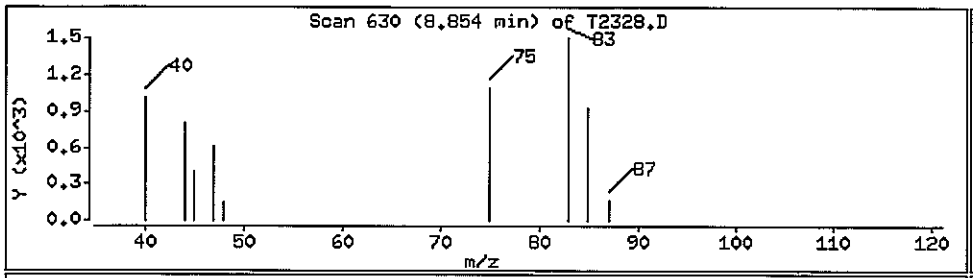
Data File: \\target_server\GC\chem\gcms-t.i\T052511A.b\T2328.D
Date : 25-MAY-2011 17:31
Client ID: SITE6-IDW-5526
Sample Info: SE2818-9DL2RA

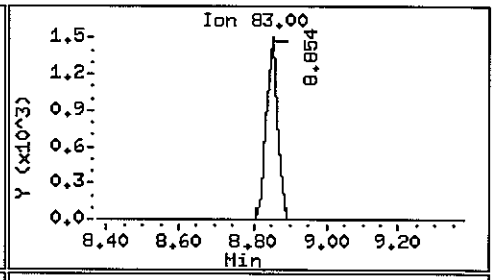
Instrument: gcms-t.i

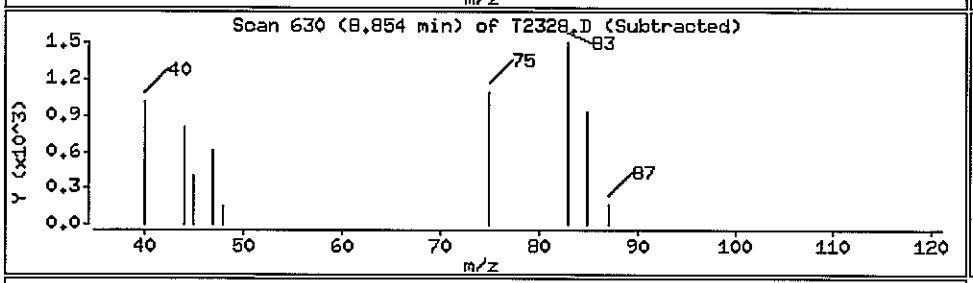


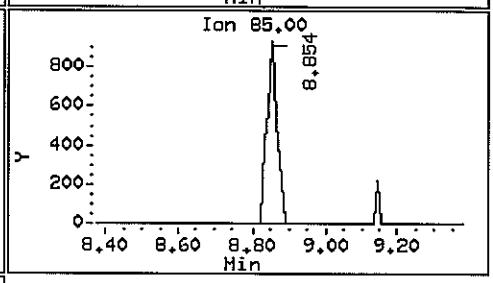
Data File: \\target_server\GC\chem\gcms-t.i\T052511A.b\T2328.D
Date : 25-MAY-2011 17:31
Client ID: SITE6-IDW-5526 Instrument: gcms-t.i
Sample Info: SE2818-9DL2RA

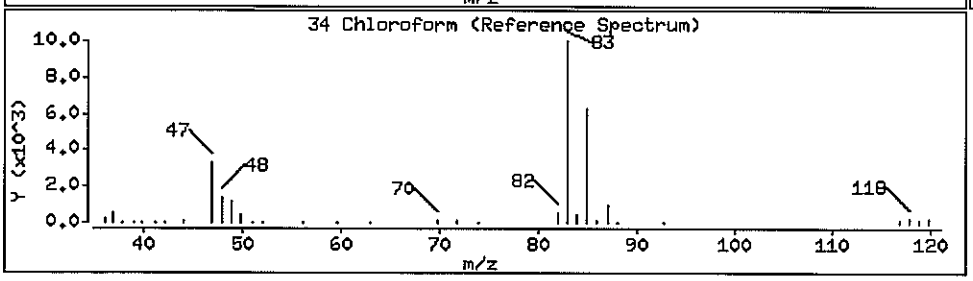
34 Chloroform Concentration: 176 ug/Kgdrywt



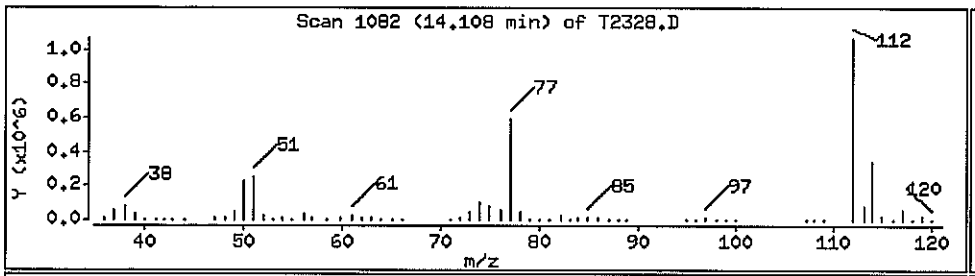


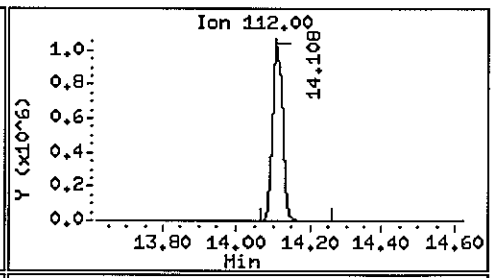


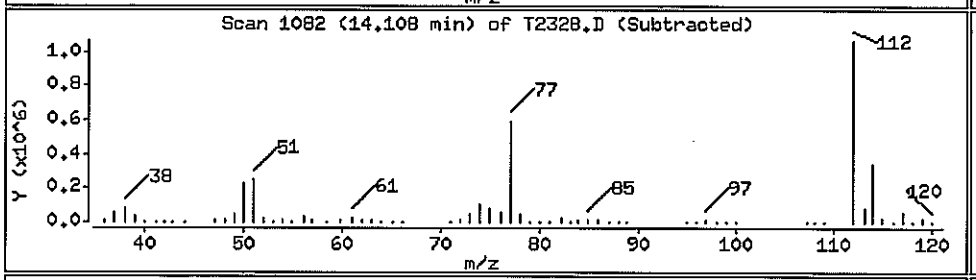


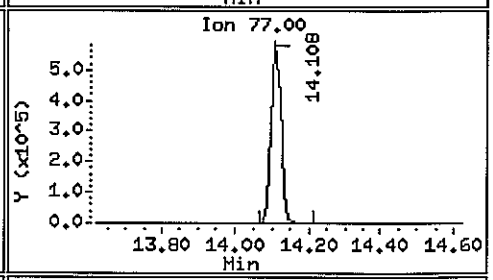


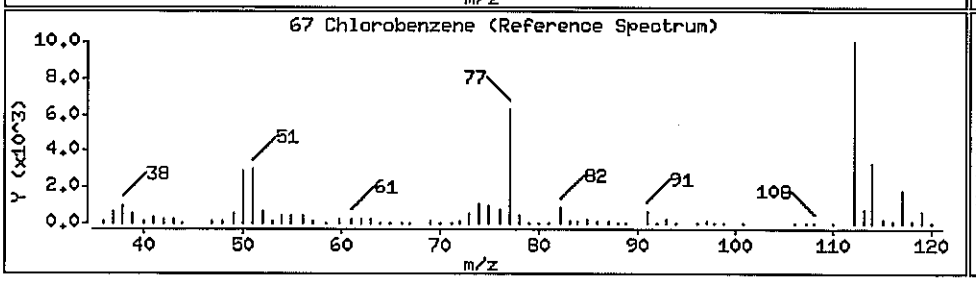
67 Chlorobenzene Concentration: 64800 ug/Kgdrywt

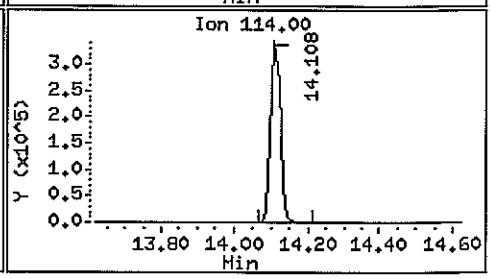












Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	550	ug/Kgdrywt	1	10	1100	100	550
Chloromethane	U	550	ug/Kgdrywt	1	10	1100	150	550
Vinyl Chloride	U	550	ug/Kgdrywt	1	10	1100	96.	550
Bromomethane	U	550	ug/Kgdrywt	1	10	1100	120	550
Chloroethane	U	550	ug/Kgdrywt	1	10	1100	140	550
Trichlorofluoromethane	U	550	ug/Kgdrywt	1	10	1100	100	550
1,1-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	100	280
Carbon Disulfide	U	280	ug/Kgdrywt	1	5	550	86.	280
Freon-113	U	280	ug/Kgdrywt	1	5	550	99.	280
Methylene Chloride	U	1400	ug/Kgdrywt	1	25	2800	870	1400
Acetone	U	1400	ug/Kgdrywt	1	25	2800	560	1400
trans-1,2-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	78.	280
Methyl tert-butyl Ether	U	280	ug/Kgdrywt	1	5	550	120	280
1,1-Dichloroethane	U	280	ug/Kgdrywt	1	5	550	190	280
cis-1,2-Dichloroethene	U	280	ug/Kgdrywt	1	5	550	100	280
Chloroform	J	460	ug/Kgdrywt	1	5	550	38.	280
Carbon Tetrachloride	U	280	ug/Kgdrywt	1	5	550	140	280
1,1,1-Trichloroethane	U	280	ug/Kgdrywt	1	5	550	46.	280
2-Butanone	U	1400	ug/Kgdrywt	1	25	2800	650	1400
Benzene	U	280	ug/Kgdrywt	1	5	550	100	280
Cyclohexane	U	280	ug/Kgdrywt	1	5	550	150	280
1,2-Dichloroethane	U	280	ug/Kgdrywt	1	5	550	110	280
Trichloroethene	U	280	ug/Kgdrywt	1	5	550	65.	280
1,2-Dichloropropane	U	280	ug/Kgdrywt	1	5	550	150	280
Bromodichloromethane	U	280	ug/Kgdrywt	1	5	550	66.	280
cis-1,3-Dichloropropene	U	280	ug/Kgdrywt	1	5	550	79.	280
Toluene	U	280	ug/Kgdrywt	1	5	550	150	280
4-Methyl-2-Pentanone	U	1400	ug/Kgdrywt	1	25	2800	650	1400
Tetrachloroethene	U	280	ug/Kgdrywt	1	5	550	130	280
trans-1,3-Dichloropropene	U	280	ug/Kgdrywt	1	5	550	95.	280
1,1,2-Trichloroethane	U	280	ug/Kgdrywt	1	5	550	110	280
Dibromochloromethane	U	280	ug/Kgdrywt	1	5	550	110	280
1,2-Dibromoethane	U	280	ug/Kgdrywt	1	5	550	130	280
2-Hexanone	U	1400	ug/Kgdrywt	1	25	2800	530	1400
Chlorobenzene		19000	ug/Kgdrywt	1	5	550	56.	280

600 Technology Way
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Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	280	ug/Kgdrywt	1	5	550	72.	280
Styrene	U	280	ug/Kgdrywt	1	5	550	56.	280
Bromoform	U	280	ug/Kgdrywt	1	5	550	77.	280
Isopropylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
1,1,2,2-Tetrachloroethane	U	280	ug/Kgdrywt	1	5	550	92.	280
1,3-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	68.	280
1,4-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	48.	280
1,2-Dichlorobenzene	U	280	ug/Kgdrywt	1	5	550	86.	280
1,2-Dibromo-3-Chloropropane	U	280	ug/Kgdrywt	1	5	550	160	280
1,2,4-Trichlorobenzene	U	280	ug/Kgdrywt	1	5	550	87.	280
Methyl Acetate	J	490	ug/Kgdrywt	1	5	550	300	330
Methylcyclohexane	U	280	ug/Kgdrywt	1	5	550	100	280
1,2,4-Trimethylbenzene	J	150	ug/Kgdrywt	1	5	550	96.	280
1,3,5-Trimethylbenzene	U	280	ug/Kgdrywt	1	5	550	74.	280
Di-isopropyl ether	U	280	ug/Kgdrywt	1	5	550	230	280
n-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
sec-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	100	280
tert-Butylbenzene	U	280	ug/Kgdrywt	1	5	550	99.	280
m+p-Xylene	U	550	ug/Kgdrywt	1	10	1100	190	550
o-Xylene	U	280	ug/Kgdrywt	1	5	550	140	280
Naphthalene	J	150	ug/Kgdrywt	1	5	550	97.	280
p-Bromofluorobenzene		97.9	%					
Toluene-D8		87.7	%					
1,2-Dichloroethane-D4		112.	%					
Dibromofluoromethane		106.	%					

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Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2305.D
Report Date: 26-May-2011 12:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2305.D
Lab Smp Id: SE2818-11DL Client Smp ID: SITE6-IDW-782
Inj Date : 24-MAY-2011 21:56 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-11DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\GG\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.240	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	200.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
34 Chloroform	83	8.843	8.878	(0.896)	42162	4.86519	464(a)	
67 Chlorobenzene	112	14.108	14.121	(1.002)	2491088	199.346	19000	
104 Methyl Acetate	43	5.878	5.891	(0.596)	15328	5.12093	489	
89 1,2,4-Trimethylbenzene	105	16.689	16.701	(0.967)	26058	1.57036	150(a)	
102 Naphthalene	128	20.618	20.642	(1.195)	3046	1.53563	146(a)	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.927)	256462	52.9081	5050	
$ 45 1,2-Dichloroethane-D4	65	9.900	9.925	(1.004)	239030	56.1113	5350	
$ 55 Toluene-D8	98	12.132	12.145	(1.151)	614509	43.8501	4180	
$ 77 P-Bromofluorobenzene	95	15.689	15.713	(1.489)	283246	48.9387	4670	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	348918	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	542230	50.0000		
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	425970	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	238643	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\T052411B.b\T2305.D
Report Date: 26-May-2011 12:11

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2305.D
Lab Smp Id: SE2818-11DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-782
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

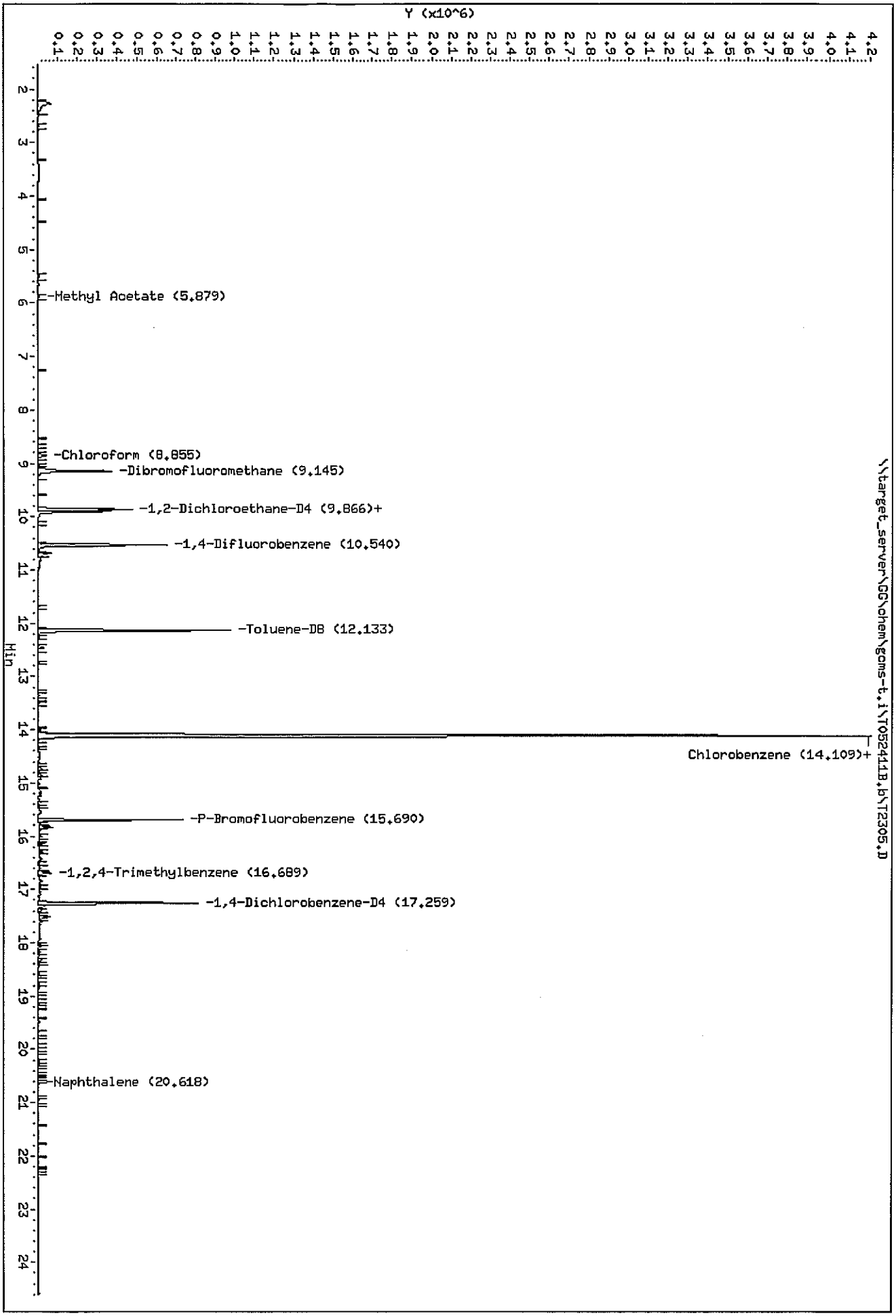
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	348918	-14.80
49 1,4-Difluorobenze	637773	318887	1275546	542230	-14.98
66 Chlorobenzene-D5	477924	238962	955848	425970	-10.87
92 1,4-Dichlorobenze	274556	137278	549112	238643	-13.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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\T052411B.b\T2305.D
Date : 24-MAY-2011 21:56
Client ID: SITE6-IDW-782
Sample Info: SE2818-11DL

Instrument: gcms-t.i



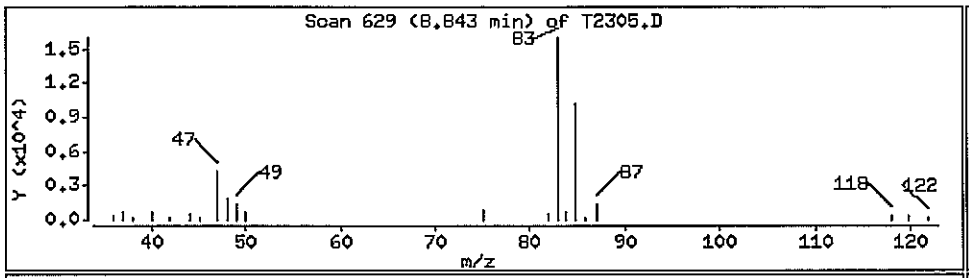
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2305.D

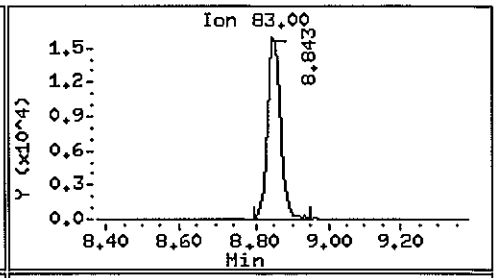
Date : 24-MAY-2011 21:56

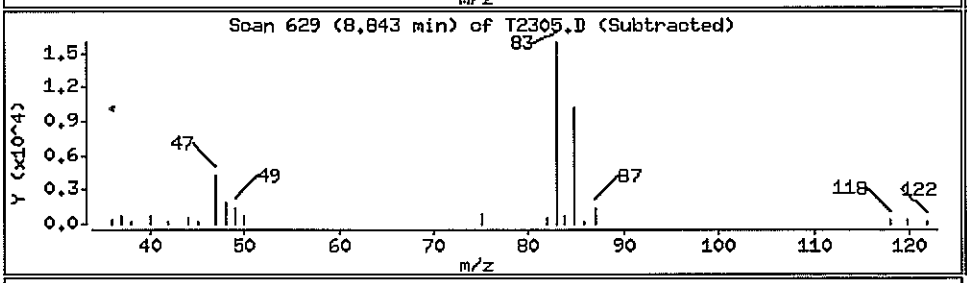
Client ID: SITE6-IDW-782 Instrument: gcms-t.i

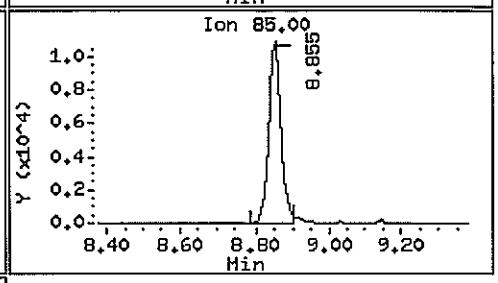
Sample Info: SE2818-11DL

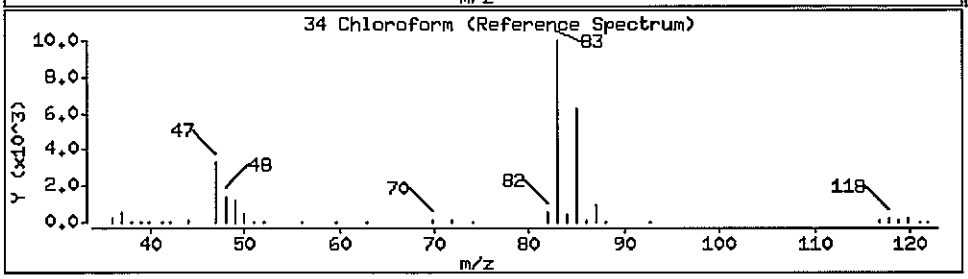
34 Chloroform Concentration: 464 ug/Kgdrywt



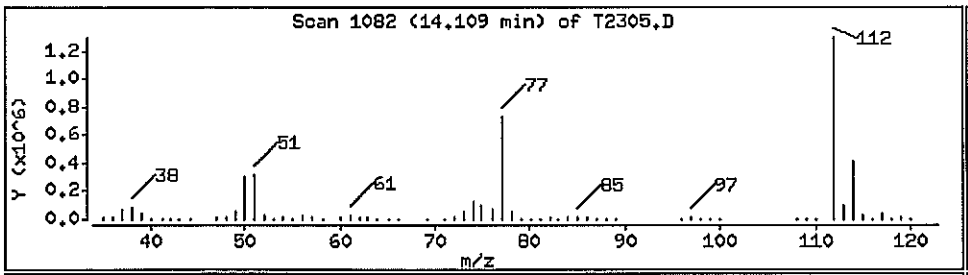


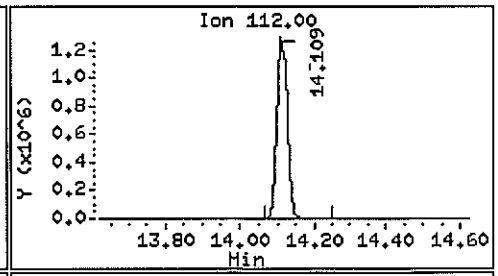


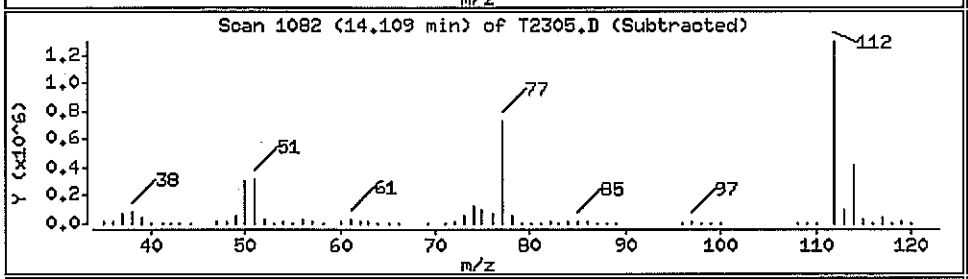


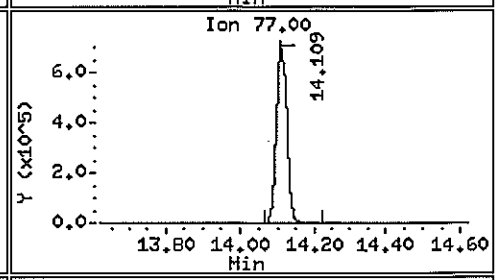


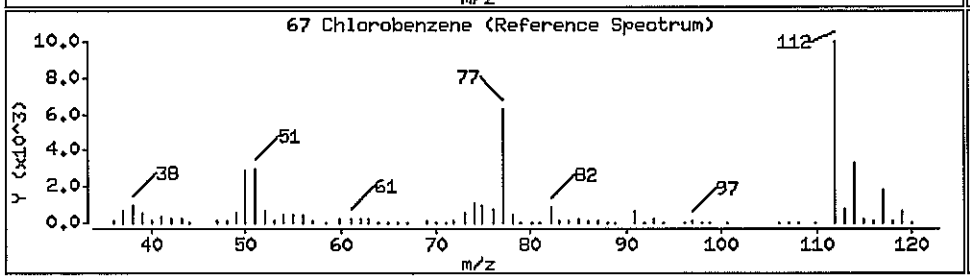
67 Chlorobenzene Concentration: 19000 ug/Kgdrywt

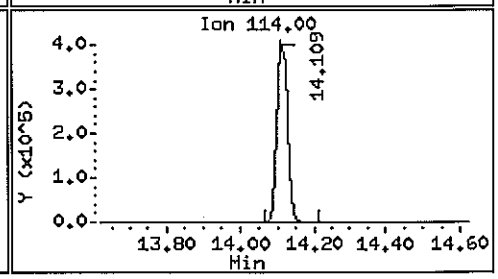












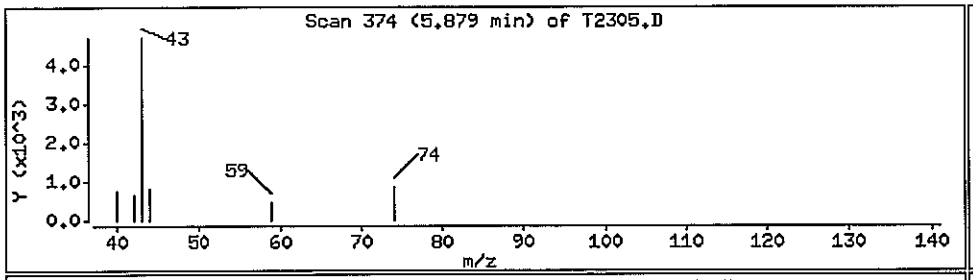
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2305.D

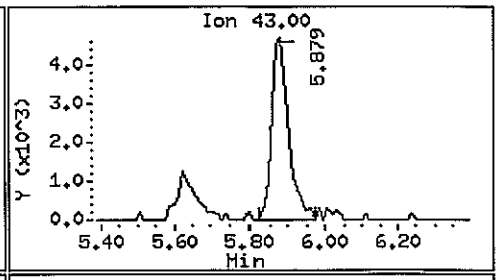
Date : 24-MAY-2011 21:56

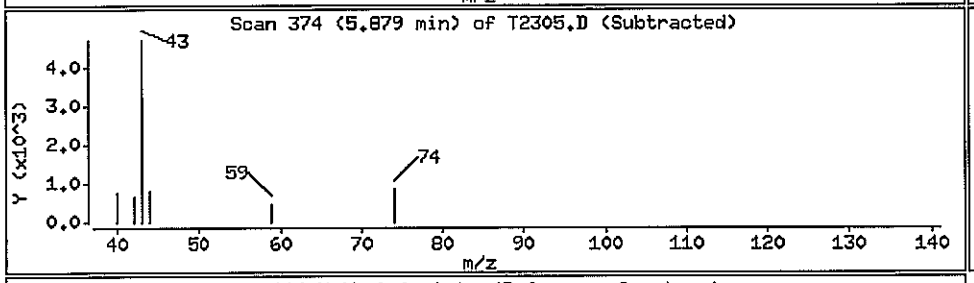
Client ID: SITE6-IDW-782 Instrument: gcms-t.i

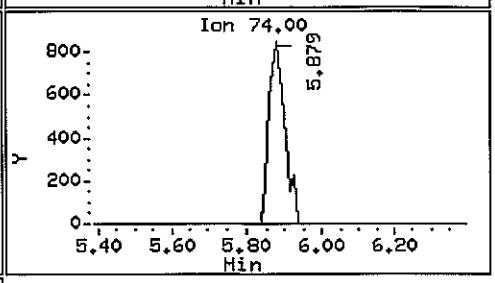
Sample Info: SE2818-11DL

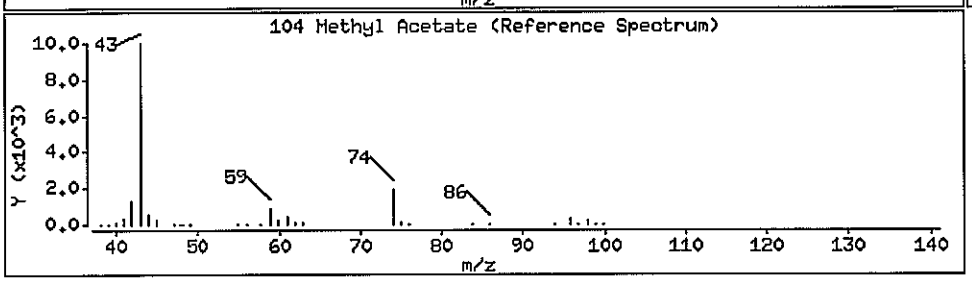
104 Methyl Acetate Concentration: 489 ug/Kgdrywt



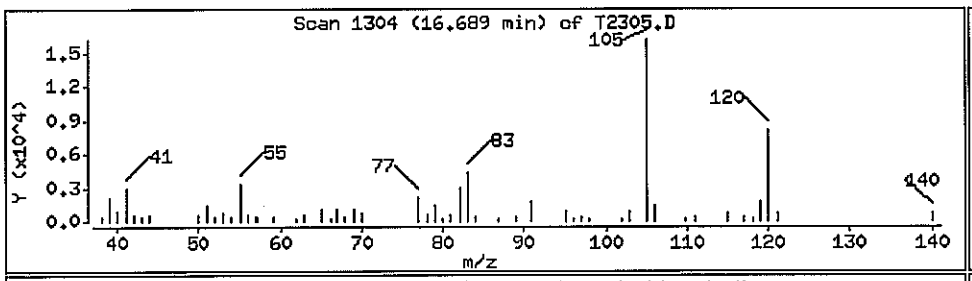


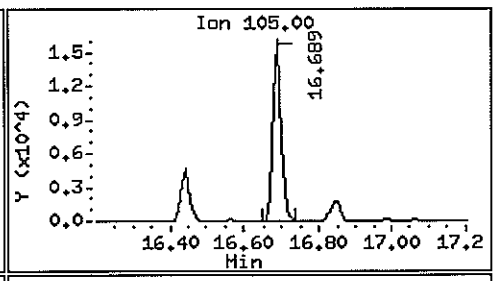


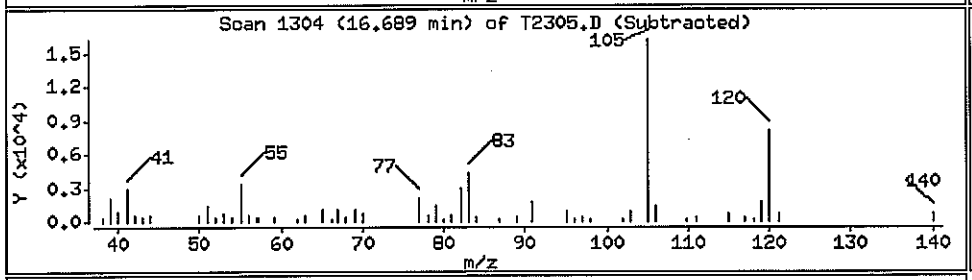


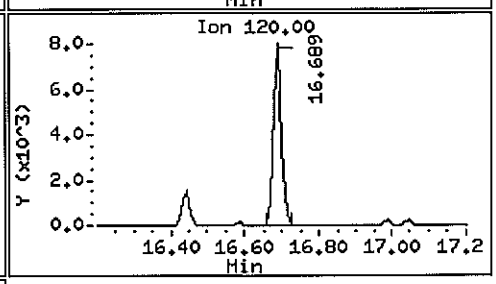


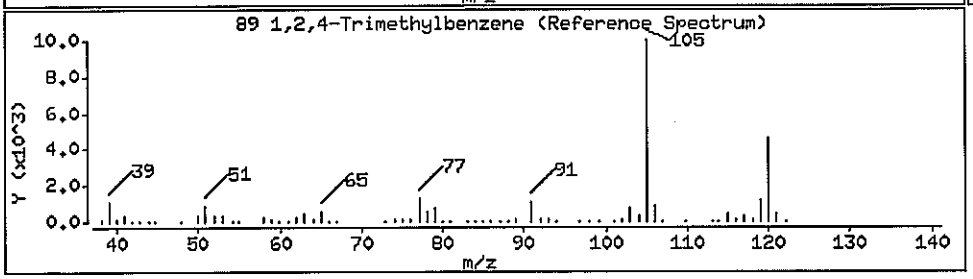
89 1,2,4-Trimethylbenzene Concentration: 150 ug/Kgdrywt











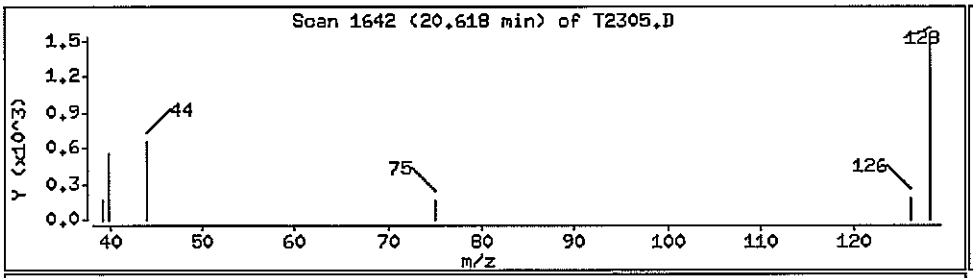
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2305.D

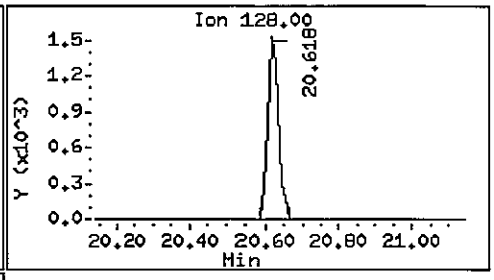
Date : 24-MAY-2011 21:56

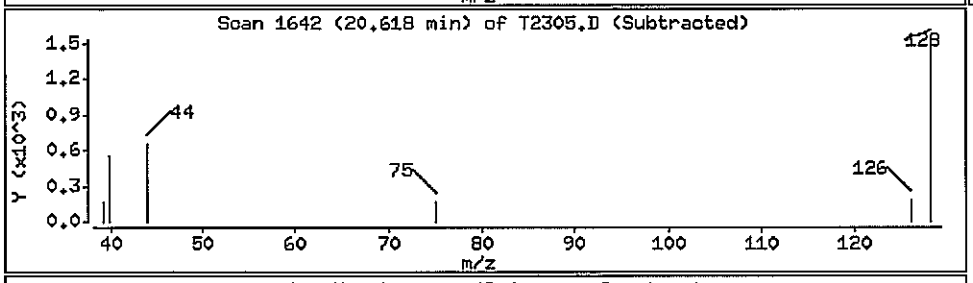
Client ID: SITE6-IDW-782 Instrument: gcms-t.i

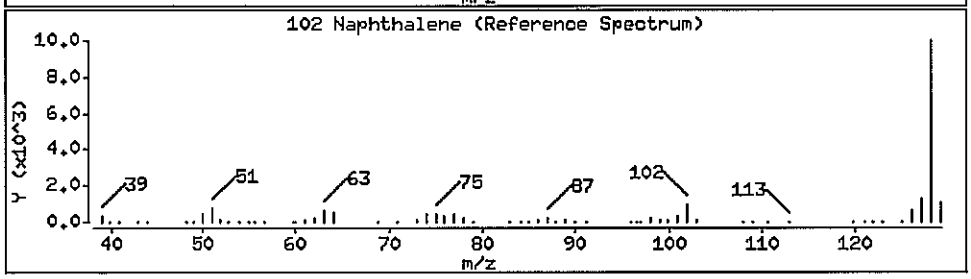
Sample Info: SE2818-11DL

102 Naphthalene Concentration: 146 ug/Kgdrywt









Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1200	ug/Kgdrywt	1	10	2300	210	1200
Chloromethane	U	1200	ug/Kgdrywt	1	10	2300	320	1200
Vinyl Chloride	U	1200	ug/Kgdrywt	1	10	2300	200	1200
Bromomethane	U	1200	ug/Kgdrywt	1	10	2300	250	1200
Chloroethane	U	1200	ug/Kgdrywt	1	10	2300	300	1200
Trichlorofluoromethane	U	1200	ug/Kgdrywt	1	10	2300	210	1200
1,1-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	210	580
Carbon Disulfide	U	580	ug/Kgdrywt	1	5	1200	180	580
Freon-113	U	580	ug/Kgdrywt	1	5	1200	210	580
Methylene Chloride	U	2900	ug/Kgdrywt	1	25	5800	1800	2900
Acetone	U	2900	ug/Kgdrywt	1	25	5800	1200	2900
trans-1,2-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	160	580
Methyl tert-butyl Ether	U	580	ug/Kgdrywt	1	5	1200	250	580
1,1-Dichloroethane	U	580	ug/Kgdrywt	1	5	1200	390	580
cis-1,2-Dichloroethene	U	580	ug/Kgdrywt	1	5	1200	210	580
Chloroform	J	470	ug/Kgdrywt	1	5	1200	80.	580
Carbon Tetrachloride	U	580	ug/Kgdrywt	1	5	1200	300	580
1,1,1-Trichloroethane	U	580	ug/Kgdrywt	1	5	1200	97.	580
2-Butanone	U	2900	ug/Kgdrywt	1	25	5800	1400	2900
Benzene	U	580	ug/Kgdrywt	1	5	1200	210	580
Cyclohexane	U	580	ug/Kgdrywt	1	5	1200	320	580
1,2-Dichloroethane	U	580	ug/Kgdrywt	1	5	1200	230	580
Trichloroethene	U	580	ug/Kgdrywt	1	5	1200	140	580
1,2-Dichloropropane	U	580	ug/Kgdrywt	1	5	1200	320	580
Bromodichloromethane	U	580	ug/Kgdrywt	1	5	1200	140	580
cis-1,3-Dichloropropene	U	580	ug/Kgdrywt	1	5	1200	160	580
Toluene	U	580	ug/Kgdrywt	1	5	1200	320	580
4-Methyl-2-Pentanone	U	2900	ug/Kgdrywt	1	25	5800	1400	2900
Tetrachloroethene	U	580	ug/Kgdrywt	1	5	1200	280	580
trans-1,3-Dichloropropene	U	580	ug/Kgdrywt	1	5	1200	200	580
1,1,2-Trichloroethane	U	580	ug/Kgdrywt	1	5	1200	220	580
Dibromochloromethane	U	580	ug/Kgdrywt	1	5	1200	230	580
1,2-Dibromoethane	U	580	ug/Kgdrywt	1	5	1200	280	580
2-Hexanone	U	2900	ug/Kgdrywt	1	25	5800	1100	2900
Chlorobenzene		32000	ug/Kgdrywt	1	5	1200	120	580

600 Technology Way
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Tel:(207) 874-2400 Fax:(207) 775-4029

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5035
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	J	290	ug/Kgdrywt	1	5	1200	150	580
Styrene	U	580	ug/Kgdrywt	1	5	1200	120	580
Bromoform	U	580	ug/Kgdrywt	1	5	1200	160	580
Isopropylbenzene		1600	ug/Kgdrywt	1	5	1200	210	580
1,1,2,2-Tetrachloroethane	U	580	ug/Kgdrywt	1	5	1200	190	580
1,3-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	140	580
1,4-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	100	580
1,2-Dichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	180	580
1,2-Dibromo-3-Chloropropane	U	580	ug/Kgdrywt	1	5	1200	340	580
1,2,4-Trichlorobenzene	U	580	ug/Kgdrywt	1	5	1200	180	580
Methyl Acetate	U	690	ug/Kgdrywt	1	5	1200	620	690
Methylcyclohexane	U	580	ug/Kgdrywt	1	5	1200	220	580
1,2,4-Trimethylbenzene		21000	ug/Kgdrywt	1	5	1200	200	580
1,3,5-Trimethylbenzene		8900	ug/Kgdrywt	1	5	1200	150	580
Di-isopropyl ether	U	580	ug/Kgdrywt	1	5	1200	480	580
n-Butylbenzene		1900	ug/Kgdrywt	1	5	1200	210	580
sec-Butylbenzene		1200	ug/Kgdrywt	1	5	1200	210	580
tert-Butylbenzene	U	580	ug/Kgdrywt	1	5	1200	210	580
m+p-Xylene		4200	ug/Kgdrywt	1	10	2300	390	1200
o-Xylene		3700	ug/Kgdrywt	1	5	1200	300	580
Naphthalene		3600	ug/Kgdrywt	1	5	1200	200	580
p-Bromofluorobenzene		93.6	%					
Toluene-D8		87.4	%					
1,2-Dichloroethane-D4		95.7	%					
Dibromofluoromethane		88.0	%					

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Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2306.D
Report Date: 26-May-2011 12:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2306.D
Lab Smp Id: SE2818-13DL Client Smp ID: SITE6-IDW-954
Inj Date : 24-MAY-2011 22:29 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-13DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\GG\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.020	weight of sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	100.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
34 Chloroform	83	8.855	8.878	(0.897)	22831	2.36186	470(a)	
67 Chlorobenzene	112	14.109	14.121	(1.002)	2098512	160.484	32000	
69 Ethylbenzene	106	14.144	14.156	(1.004)	10045	1.46725	292(a)	
76 Isopropylbenzene	105	15.306	15.330	(0.887)	137218	7.78092	1550	
104 Methyl Acetate	43	5.879	5.891	(0.596)	9269	2.77618	553(a)	
89 1,2,4-Trimethylbenzene	105	16.689	16.701	(0.967)	1674628	104.514	20800	
83 1,3,5-Trimethylbenzene	105	16.143	16.155	(0.935)	712049	44.5842	8880	
94 N-Butylbenzene	91	17.654	17.666	(1.023)	128501	9.34480	1860	
95 sec-Butylbenzene	105	16.840	16.864	(0.976)	128217	6.11222	1220	
72 m+p-Xylenes	106	14.330	14.342	(1.017)	171733	21.1503	4210	
73 o-Xylene	106	14.899	14.911	(1.058)	151944	18.6445	3710	
102 Naphthalene	128	20.618	20.642	(1.195)	134691	18.1609	3620	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.927)	237822	43.9848	8760	
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	227387	47.8537	9530	
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	654146	43.7128	8710	
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.489)	289112	46.7785	9320	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	389199	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	579018	50.0000		

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2306.D
Report Date: 26-May-2011 12:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	445736	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	230436	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\T052411B.b\T2306.D
Report Date: 26-May-2011 12:11

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2306.D
Lab Smp Id: SE2818-13DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-954
Level: MED
Sample Type: SOIL
Method File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

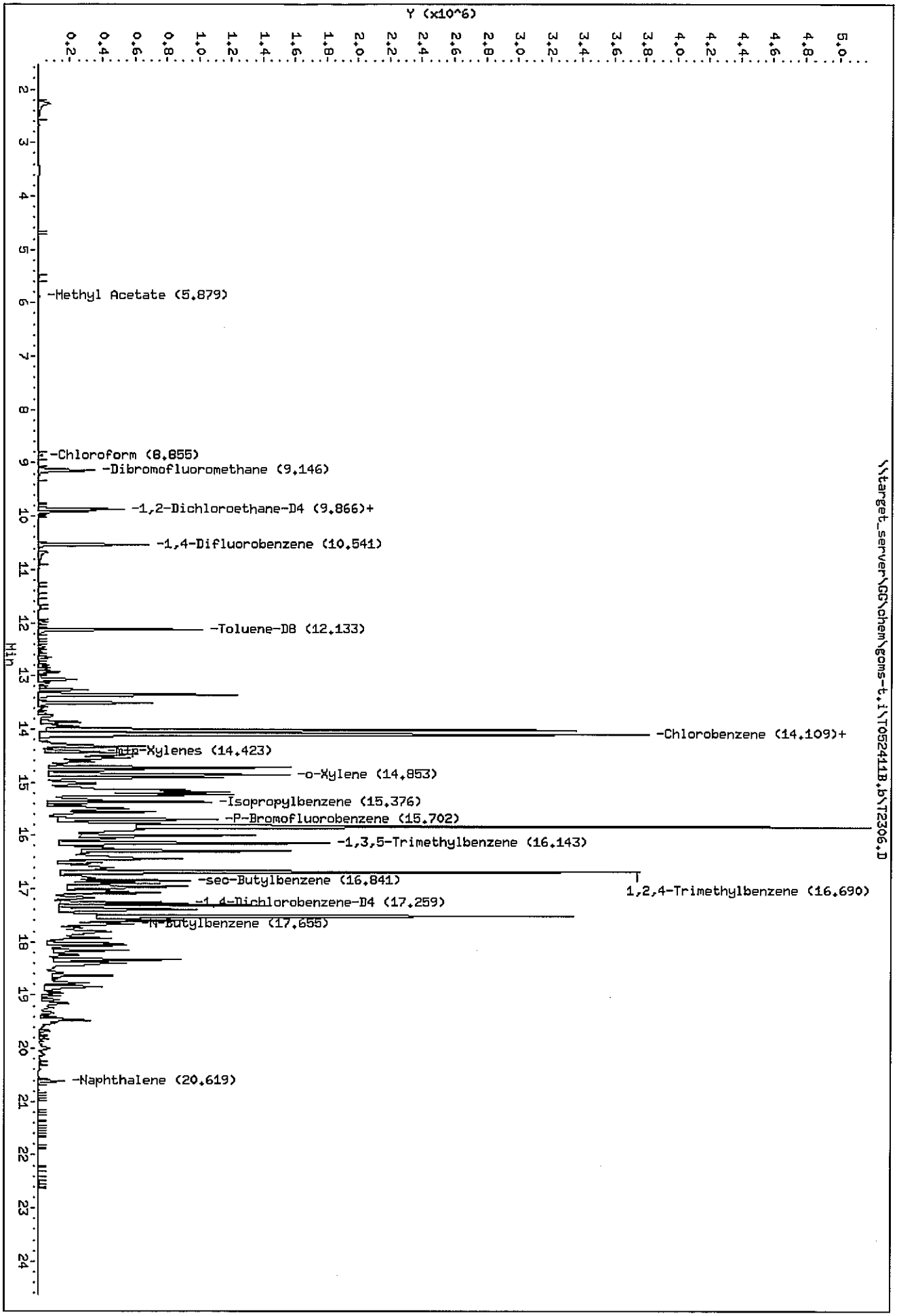
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	389199	-4.96
49 1,4-Difluorobenze	637773	318887	1275546	579018	-9.21
66 Chlorobenzene-D5	477924	238962	955848	445736	-6.73
92 1,4-Dichlorobenze	274556	137278	549112	230436	-16.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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-t.i\T052411B.b\T2306.D
Date : 24-MAY-2011 22:29
Client ID: SITE6-IDW-954
Sample Info: SE2818-13DL

Instrument: gcms-t.i



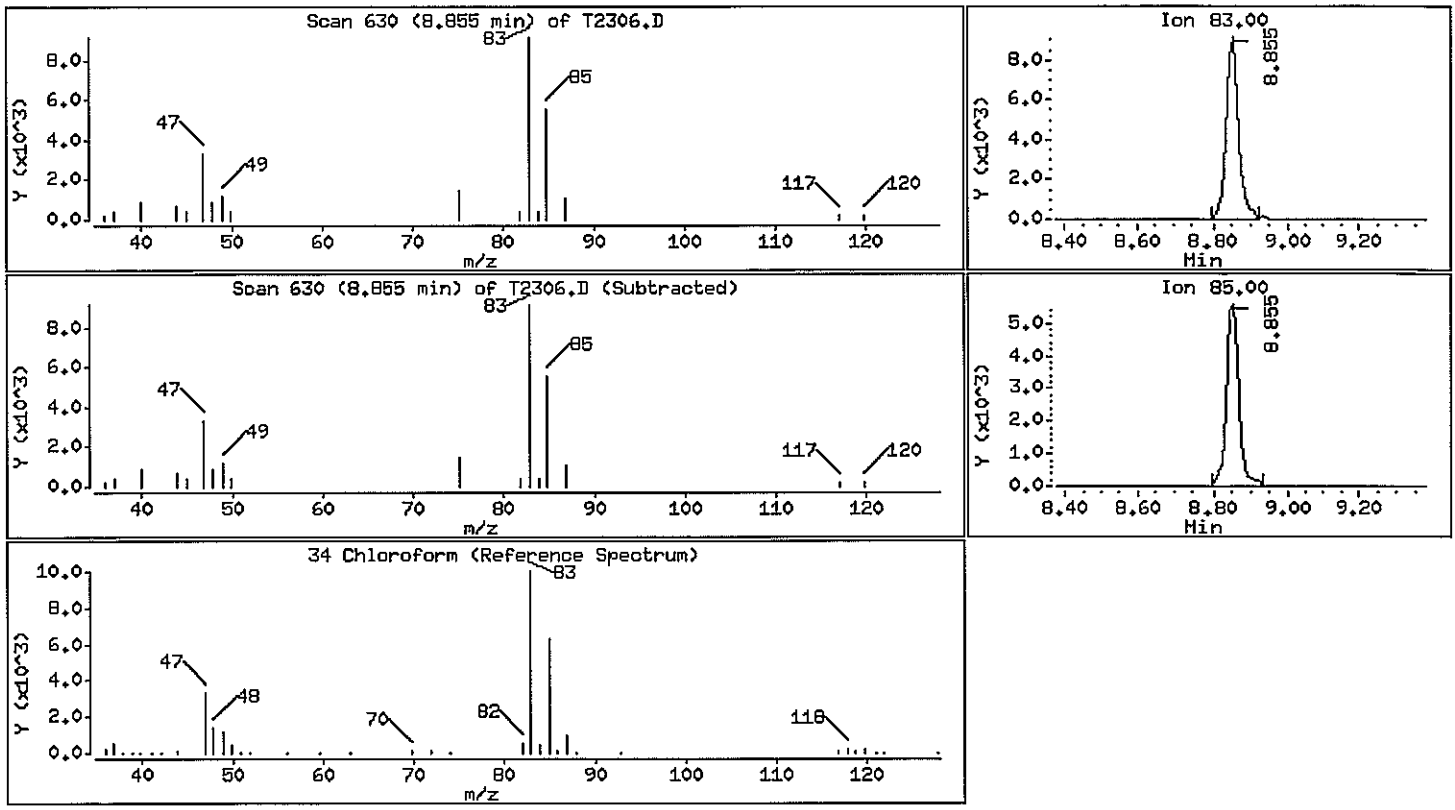
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2306.D

Date : 24-MAY-2011 22:29

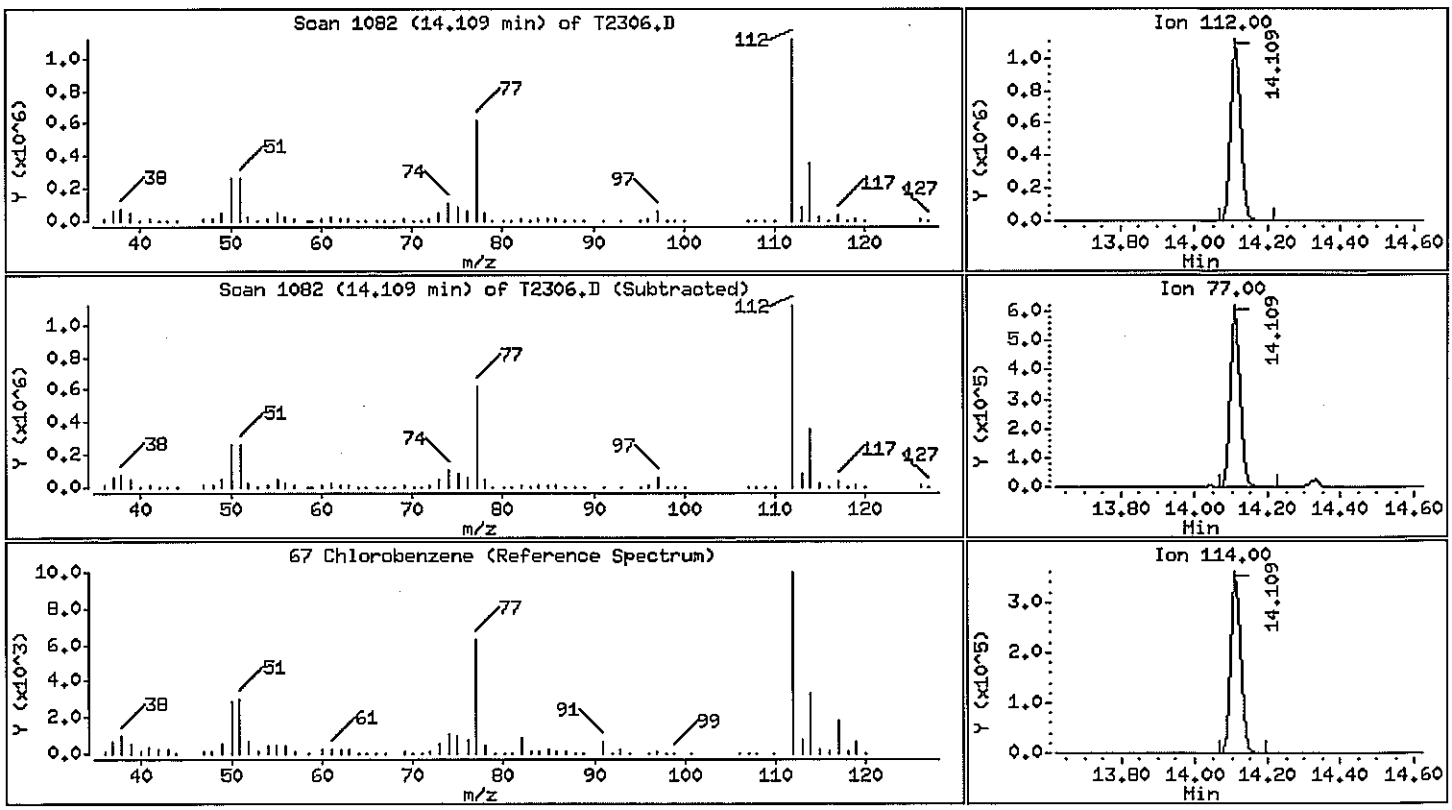
Client ID: SITE6-IDW-954 Instrument: gcms-t.i

Sample Info: SE2818-13DL

34 Chloroform Concentration: 470 ug/Kgdrywt

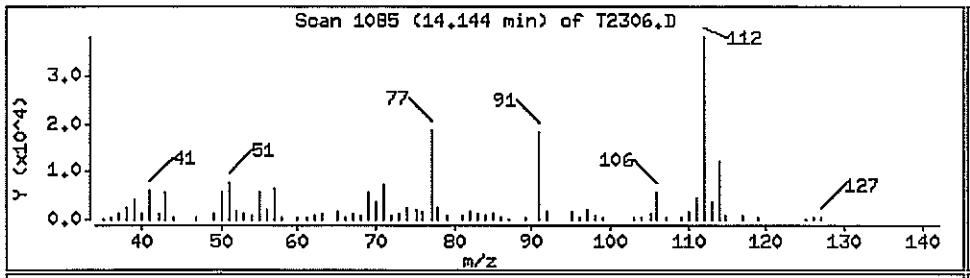


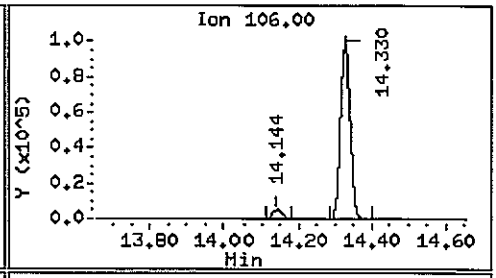
67 Chlorobenzene Concentration: 32000 ug/Kgdrywt

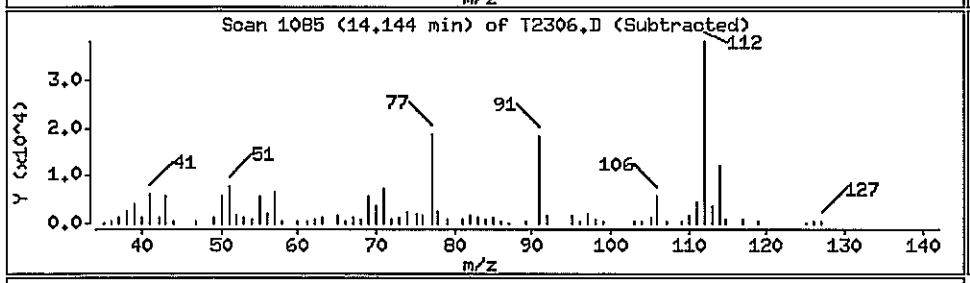


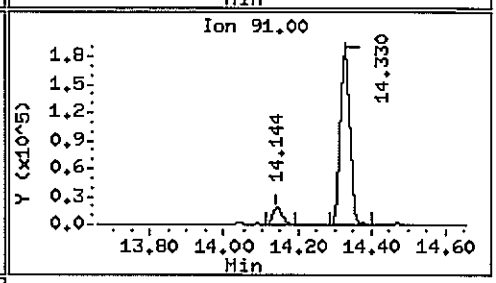
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2306.D
Date : 24-MAY-2011 22:29
Client ID: SITE6-IDW-954 Instrument: gcms-t.i
Sample Info: SE2818-13DL

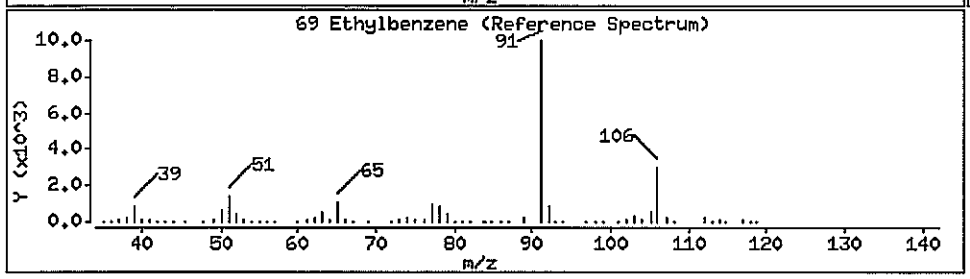
69 Ethylbenzene Concentration: 292 ug/Kgdrywt



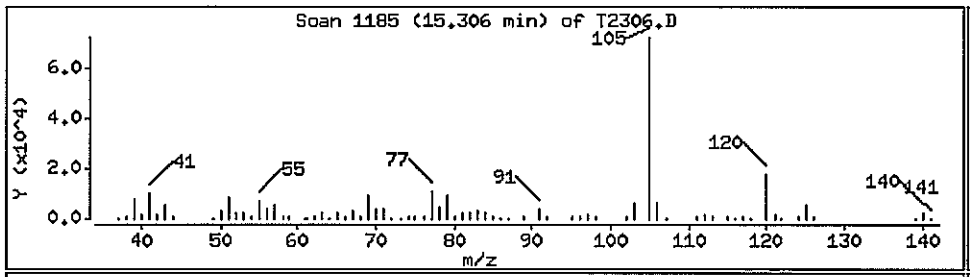


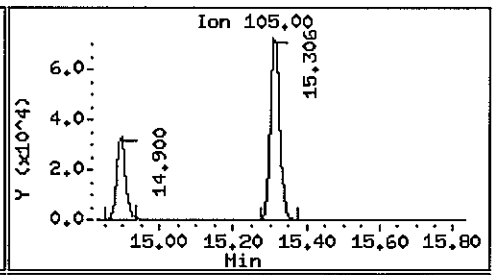


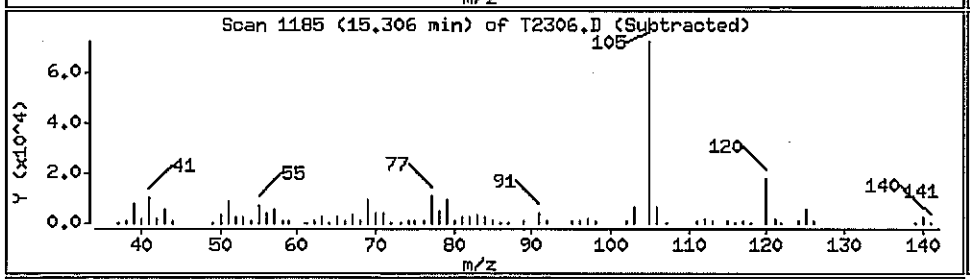


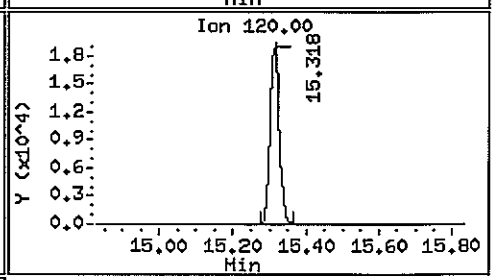


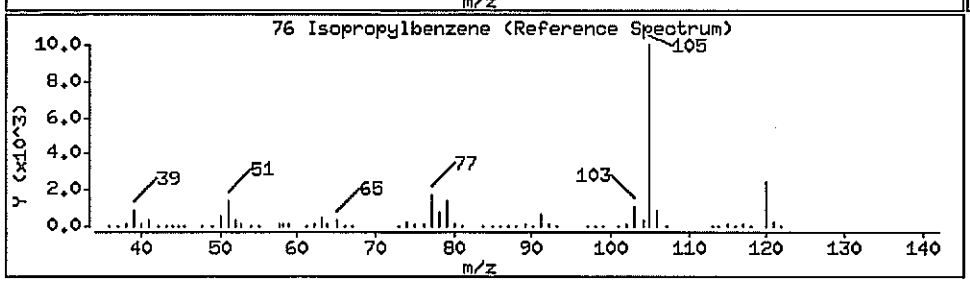
76 Isopropylbenzene Concentration: 1550 ug/Kgdrywt











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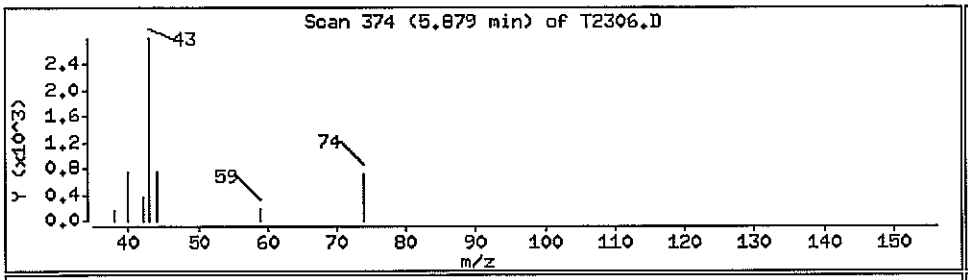
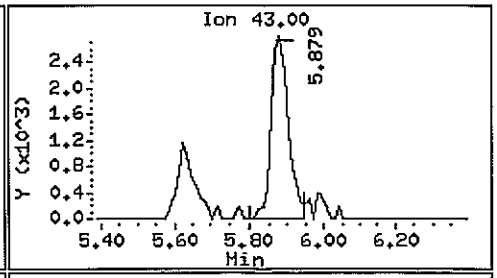
Date : 24-MAY-2011 22:29

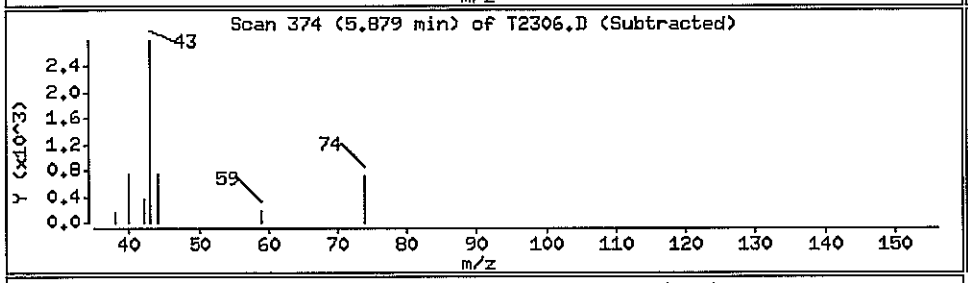
Client ID: SITE6-IDW-954 Instrument: gcms-t.i

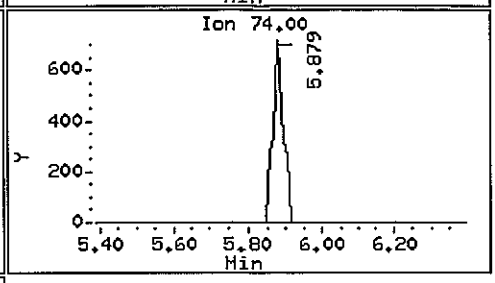
Sample Info: SE2818-13DL

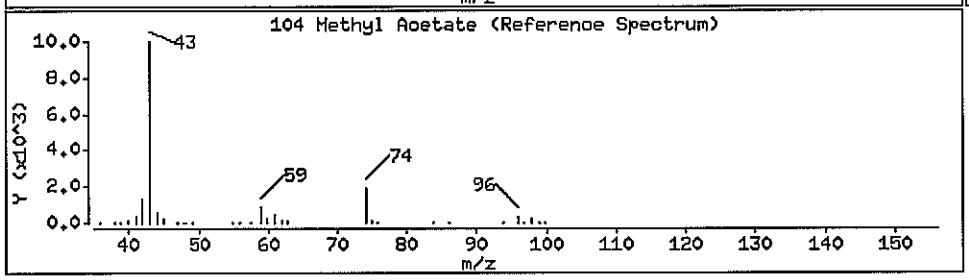
104 Methyl Acetate Concentration: 553 ug/Kgdrywt



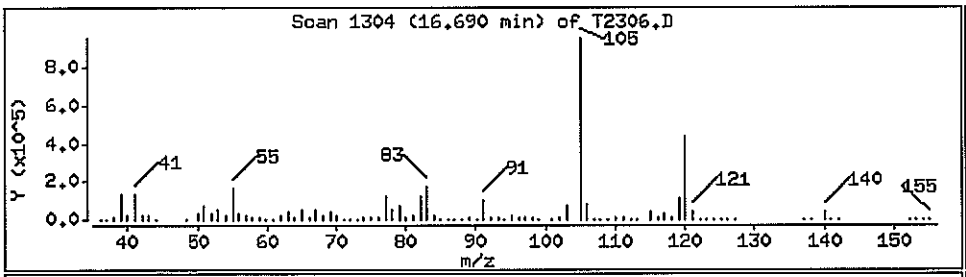


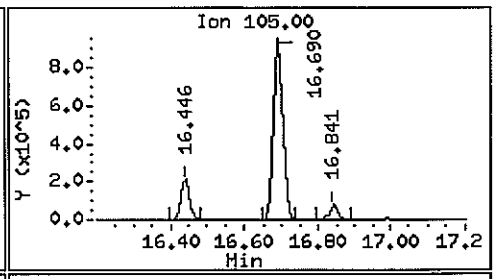


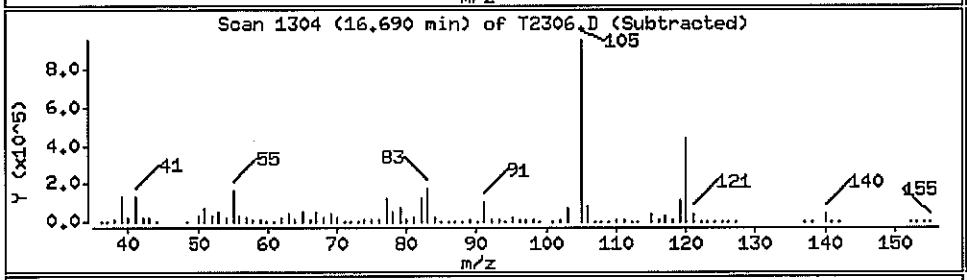


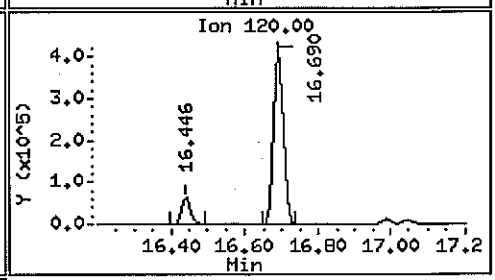


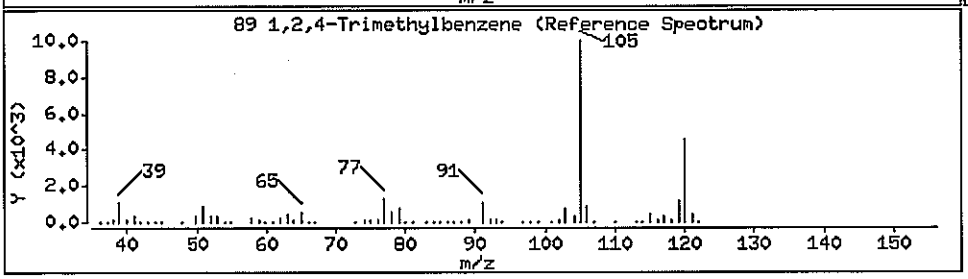
89 1,2,4-Trimethylbenzene Concentration: 20800 ug/Kgdrywt











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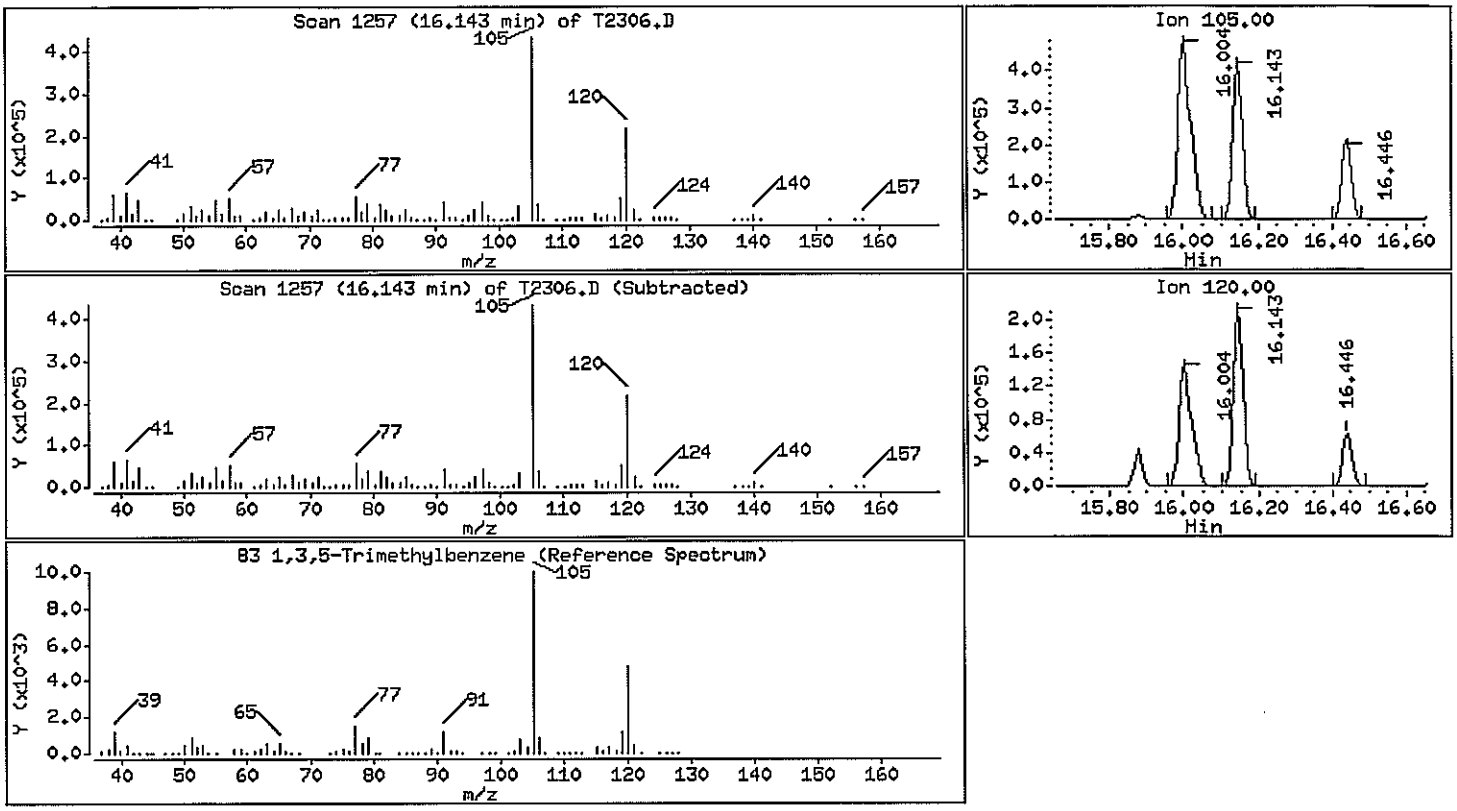
Date : 24-MAY-2011 22:29

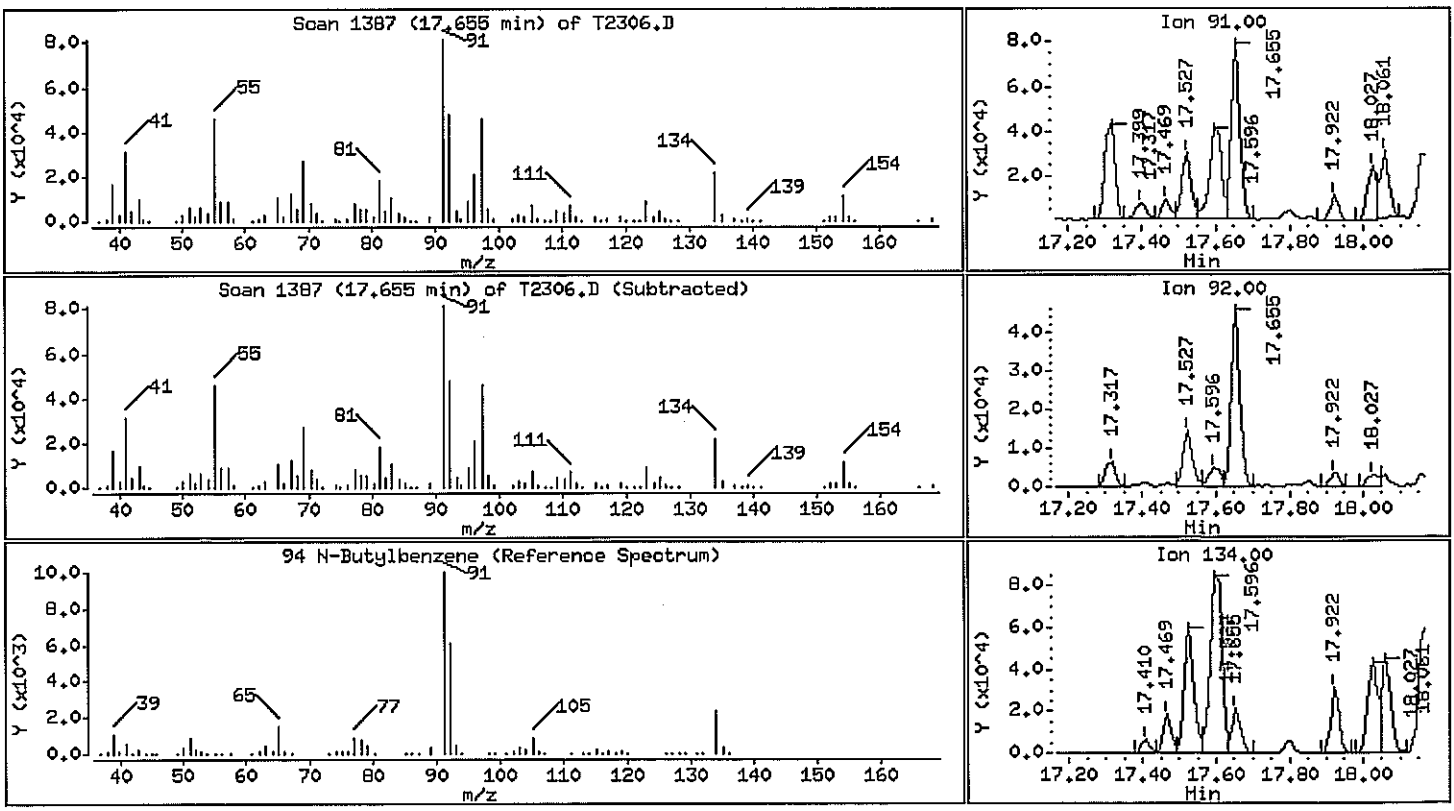
Client ID: SITE6-IDW-954 Instrument: gcms-t.i

Sample Info: SE2818-13DL

83 1,3,5-Trimethylbenzene Concentration: 8880 ug/Kgdrywt



94 N-Butylbenzene Concentration: 1860 ug/Kgdrywt



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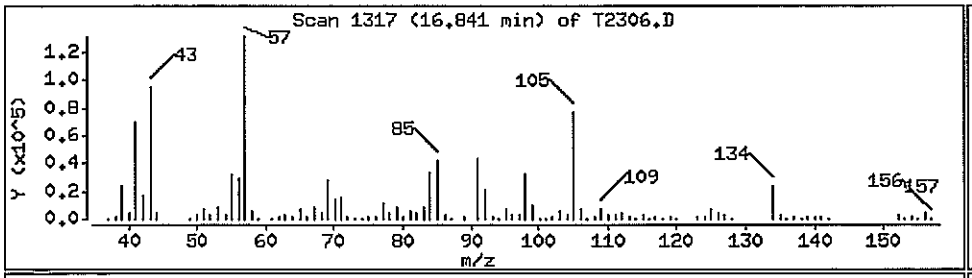
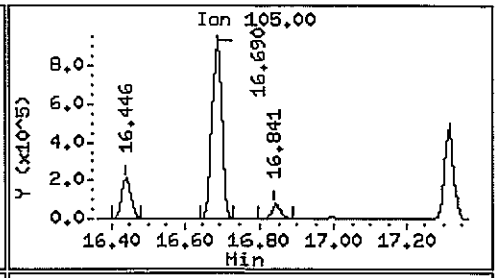
Date : 24-MAY-2011 22:29

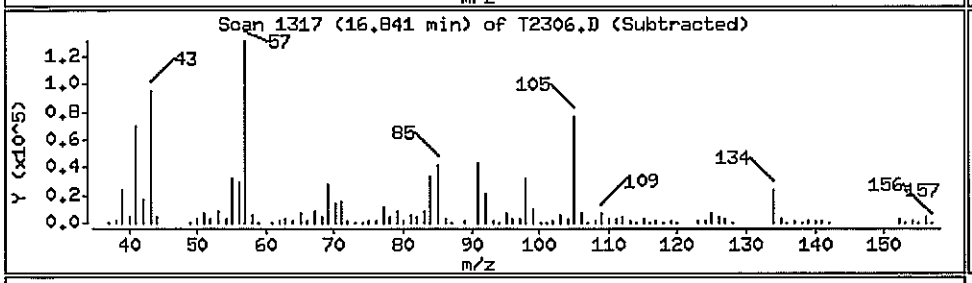
Client ID: SITE6-IDW-954 Instrument: gcms-t.i

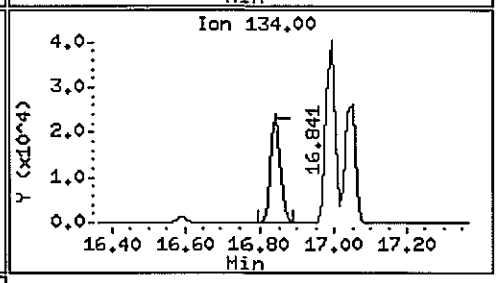
Sample Info: SE2818-13DL

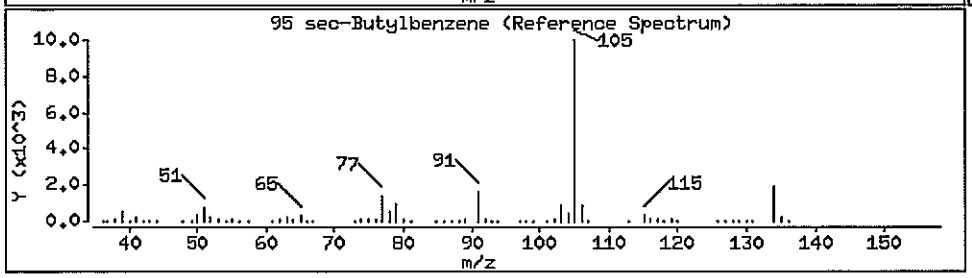
95 sec-Butylbenzene Concentration: 1220 ug/Kgdrywt



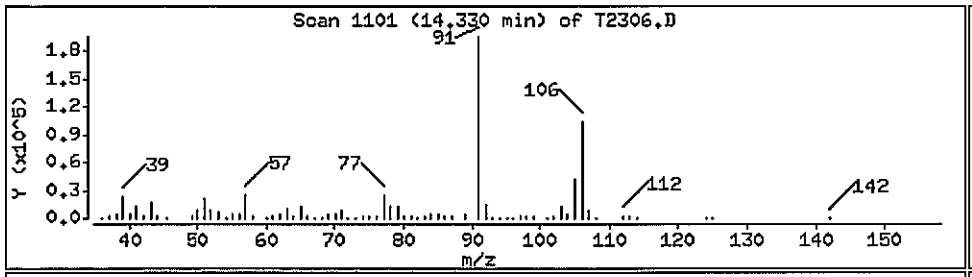


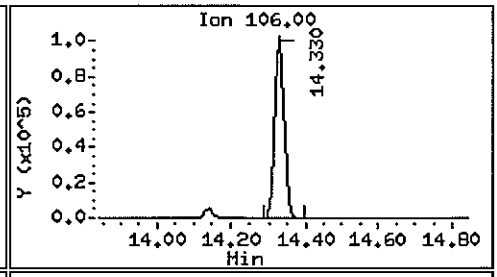


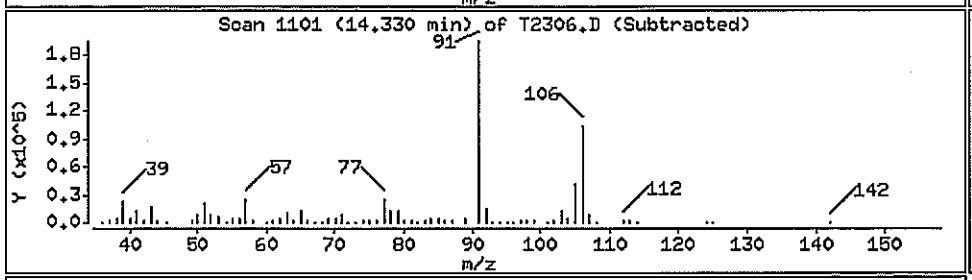


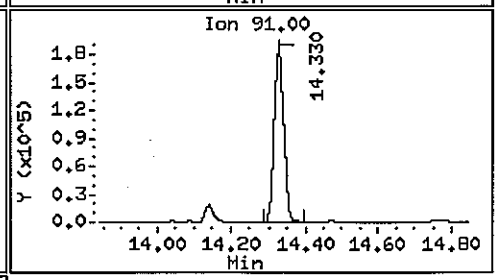


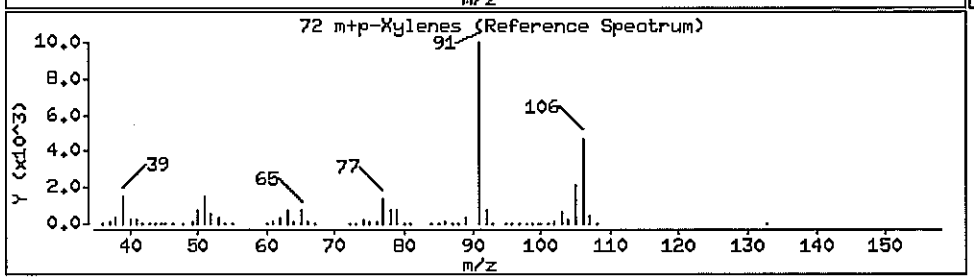
72 m+p-Xylenes Concentration: 4210 ug/Kgdrywt











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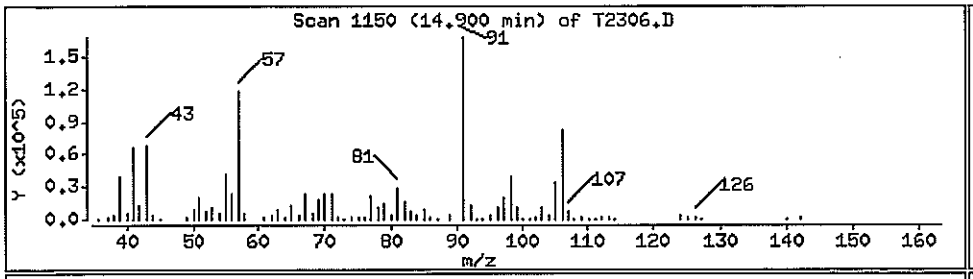
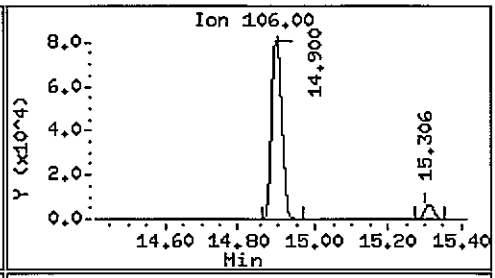
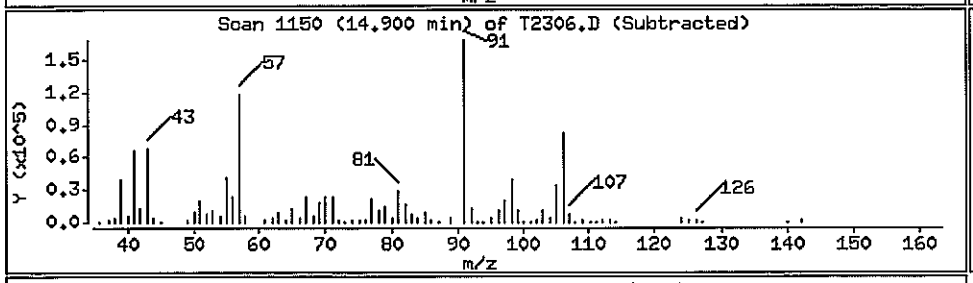
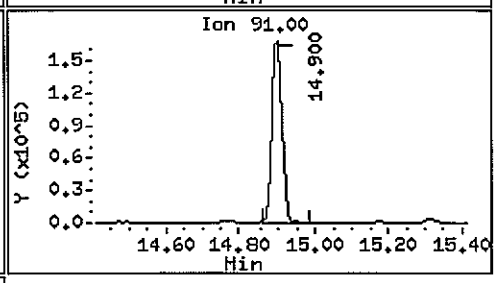
Date : 24-MAY-2011 22:29
Client ID: SITE6-IDW-954 Instrument: gcms-t.i
Sample Info: SE2818-13DL

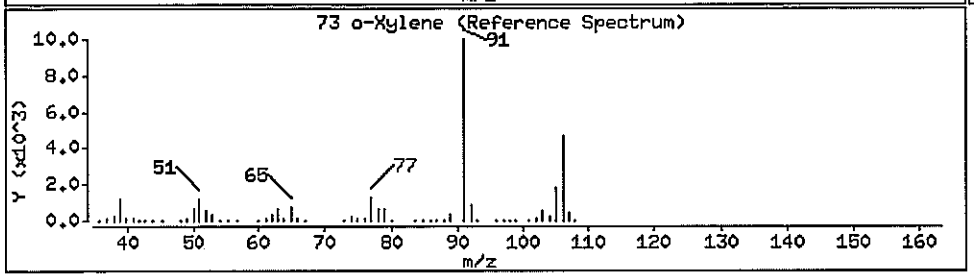
73 o-Xylene Concentration: 3710 ug/Kgdrywt



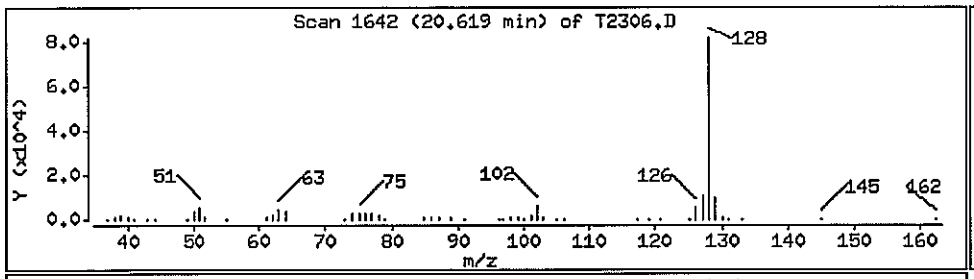


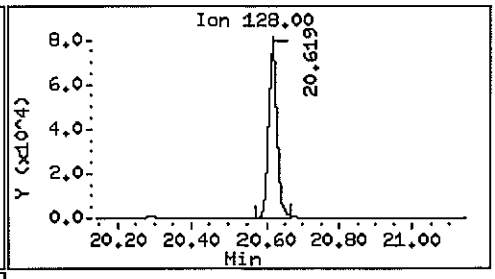


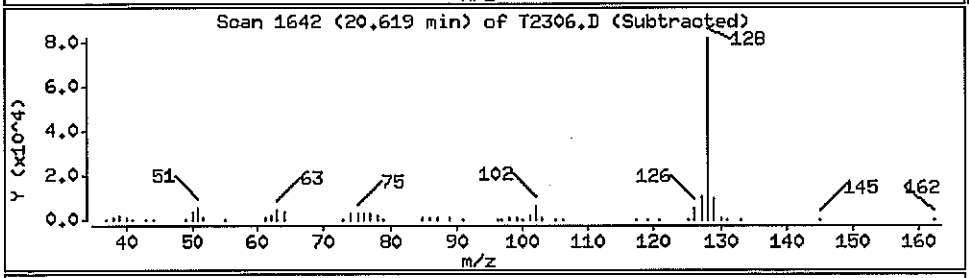


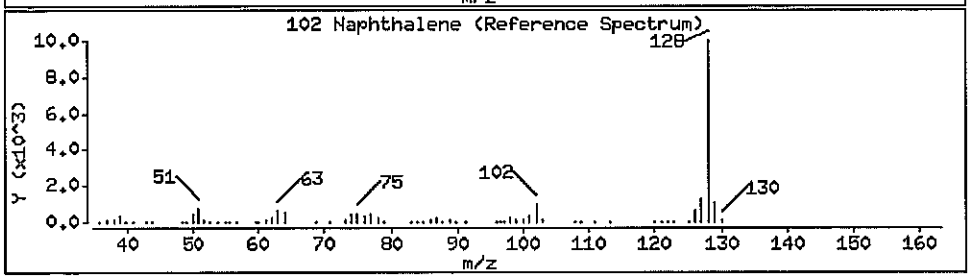


102 Naphthalene Concentration: 3620 ug/Kgdrywt









Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.686	0.919	0.967	0.911	0.866	0.906	AVRG		0.87576737		11.260	15.000	
Chloromethane	0.862	1.216	1.156	1.097	0.954	0.972	AVRG		1.04275947		12.975	15.000	
Vinyl chloride	0.635	0.975	0.811	0.938	0.692	0.888	AVRG		0.82327207		16.563	15.000	<-
Bromomethane	0.484	0.424	0.404	0.378	0.358	0.378	AVRG		0.40443561		11.222	15.000	
Chloroethane	2486	16502	55911	142360	204870	402860	2ORDR	-2.25e-002	2.80419675	1.24054238	0.99804	0.99000	
Trichlorofluoromethane	5565	46727	191270	507840	827550	1737300	LINR	-4.28e-002	0.92807733		0.99843	0.99000	
1,1-Dichloroethene	0.594	0.829	0.794	0.718	0.701	0.688	AVRG		0.72070614		11.553	15.000	
Carbon Disulfide	2.500	2.665	2.446	1.972	2.056	2.045	AVRG		2.28063074		12.770	15.000	
Freon-113	0.445	0.666	0.651	0.673	0.577	0.579	AVRG		0.59846012		14.388	15.000	
Methylene Chloride	8407	37220	125530	325990	550440	1207200	LINR	-2.72e-002	1.34625830		0.99952	0.99000	
Acetone	0.182	0.254	0.214	0.214	0.189	0.194	AVRG		0.20784948		12.617	15.000	
trans-1,2-Dichloroethene	0.689	0.901	0.862	0.836	0.800	0.794	AVRG		0.81382832		8.968	15.000	
Methyl tert-butyl ether	0.720	1.008	0.962	0.968	0.907	0.913	AVRG		0.91300898		11.124	15.000	
1,1-Dichloroethane	1.052	1.442	1.340	1.258	1.171	1.151	AVRG		1.23568903		11.388	15.000	
cis-1,2-Dichloroethene	0.705	0.971	0.909	0.846	0.802	0.779	AVRG		0.83544627		11.355	15.000	
Chloroform	0.975	1.408	1.360	1.284	1.220	1.204	AVRG		1.24184738		12.291	15.000	
Carbon Tetrachloride	2663	28207	131240	354740	628090	1372600	LINR	8.951e-003	1.77280433		0.99982	0.99000	
1,1,1-Trichloroethane	5699	43360	177310	463320	809270	1726900	LINR	-1.98e-002	0.93447951		0.99969	0.99000	
2-Butanone	0.163	0.244	0.225	0.246	0.213	0.200	AVRG		0.21507508		14.398	15.000	
Benzene	1.334	1.919	1.735	1.608	1.480	1.364	AVRG		1.57330956		14.397	15.000	
Cyclohexane	0.908	1.231	1.157	1.062	0.951	0.864	AVRG		1.02887419		14.168	15.000	
1,2-Dichloroethane	0.540	0.670	0.594	0.566	0.572	0.574	AVRG		0.58614875		7.590	15.000	
Trichloroethene	0.420	0.544	0.508	0.448	0.420	0.370	AVRG		0.45168039		14.124	15.000	
1,2-Dichloropropane	0.392	0.471	0.422	0.396	0.355	0.332	AVRG		0.39468762		12.432	15.000	
Bromodichloromethane	0.439	0.650	0.628	0.617	0.588	0.575	AVRG		0.58278541		12.941	15.000	
cis-1,3-dichloropropene	0.549	0.740	0.696	0.672	0.640	0.617	AVRG		0.65236584		10.163	15.000	
Toluene	0.968	1.240	1.120	1.017	0.924	0.827	AVRG		1.01606087		14.412	15.000	
4-methyl-2-pentanone	12592	90947	315160	841190	1290200	2357300	2ORDR	-1.47e-002	3.24747691	0.49365954	0.99990	0.99000	
Tetrachloroethene	0.457	0.593	0.632	0.550	0.538	0.528	AVRG		0.54953771		10.856	15.000	
trans-1,3-Dichloropropene	0.464	0.561	0.533	0.514	0.505	0.489	AVRG		0.51097716		6.612	15.000	
1,1,2-Trichloroethane	0.231	0.300	0.271	0.261	0.232	0.212	AVRG		0.25127123		12.820	15.000	
Dibromochloromethane	3769	26571	106710	299140	530530	1117200	LINR	8.472e-002	1.31859255		0.99676	0.99000	
1,2-Dibromoethane	0.376	0.437	0.405	0.377	0.367	0.364	AVRG		0.38766281		7.301	15.000	
2-Hexanone	0.174	0.263	0.256	0.263	0.250	0.254	AVRG		0.24321084		14.144	15.000	
Chlorobenzene	1.375	1.574	1.539	1.448	1.430	1.435	AVRG		1.46680368		5.096	15.000	
Ethylbenzene	0.644	0.854	0.836	0.766	0.754	0.754	AVRG		0.76796024		9.713	15.000	
Styrene	1.218	1.646	1.588	1.533	1.504	1.520	AVRG		1.50158192		9.874	15.000	
Bromoform	2430	17928	69383	198110	352960	723210	LINR	7.392e-002	2.03456016		0.99791	0.99000	
Isopropylbenzene	3.486	4.671	4.302	3.725	3.500	3.274	AVRG		3.82648255		14.212	15.000	
1,1,2,2-Tetrachloroethane	0.775	0.950	0.872	0.834	0.814	0.770	AVRG		0.83587177		8.075	15.000	
1,3-Dichlorobenzene	2.202	2.520	2.237	2.030	1.934	1.811	AVRG		2.12238693		11.878	15.000	
1,4-Dichlorobenzene	2.372	2.430	2.213	1.960	1.868	1.755	AVRG		2.09957676		13.275	15.000	
1,2-Dichlorobenzene	1.962	2.279	2.056	1.813	1.774	1.656	AVRG		1.92332729		11.666	15.000	
1,2-Dibromo-3-Chloropropa	0.096	0.126	0.124	0.124	0.125	0.125	AVRG		0.12000417		9.993	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2,4-Trichlorobenzene	2875	24748	114680	326140	591220	1125300	LINR	-1.43e-002	0.86379608		0.99850	0.99000
Methyl Acetate	0.389	0.482	0.421	0.459	0.415	0.407	AVRG		0.42892670		8.119	15.000
Methylcyclohexane	6762	45025	157030	451070	668570	1242400	2ORDR	3.649e-003	0.78785922	0.16593319	0.99930	0.99000
1,2,4-Trimethylbenzene	3.409	4.075	3.790	3.334	3.197	3.054	AVRG		3.47666437		11.047	15.000
1,3,5-Trimethylbenzene	3.342	4.133	3.877	3.372	3.154	2.914	AVRG		3.46535951		13.166	15.000
Di-isopropyl ether	1.628	2.330	2.336	2.522	2.271	2.186	AVRG		2.21213765		13.877	15.000
N-Butylbenzene	2.373	3.414	3.378	3.124	2.911	2.703	AVRG		2.98370676		13.555	15.000
sec-Butylbenzene	4.359	5.393	5.162	4.470	4.145	3.779	AVRG		4.55162606		13.494	15.000
tert-Butylbenzene	3.310	4.176	3.953	3.511	3.321	3.003	AVRG		3.54568053		12.389	15.000
m+p-Xylenes	0.814	1.081	1.006	0.902	0.850	0.812	AVRG		0.91081169		12.105	15.000
o-Xylene	0.736	1.041	0.984	0.914	0.901	0.909	AVRG		0.91416744		11.241	15.000
Naphthalene	2154	23415	142690	442430	852820	1667800	LINR	2.329e-002	0.58156796		0.99898	0.99000
Dibromofluoromethane	0.579	0.757	0.748	0.752	0.678	0.654	AVRG		0.69462076		10.239	15.000
1,2-Dichloroethane-D4	0.540	0.669	0.615	0.644	0.613	0.581	AVRG		0.61044768		7.474	15.000
Toluene-D8	1.183	1.553	1.377	1.335	1.214	1.092	AVRG		1.29224190		12.731	15.000
P-Bromofluorobenzene	0.601	0.628	0.532	0.528	0.478	0.435	AVRG		0.53370124		13.562	15.000

FORM VI VOA

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2292.D
Lab Smp Id: VSTD050T24C
Inj Date : 24-MAY-2011 13:06 MS Autotune Date: 29-SEP-2009 13:45
Operator : JSS Inst ID: gcms-t.i
Smp Info : VSTD050T24C
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 13:06 Cal File: T2292.D
Als bottle: 1 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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.496	2.497	(0.252)	373226	50.0000	(a)	
2 Chloromethane	50	2.787	2.787	(0.282)	449250	50.0000	(a)	
3 Vinyl chloride	62	2.880	2.880	(0.291)	384125	50.0000	(a)	
4 Bromomethane	94	3.333	3.334	(0.337)	154727	50.0000	(a)	
5 Chloroethane	64	3.519	3.520	(0.356)	142365	50.0000	(a)	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	507840	50.0000	(a)	
7 Diethyl Ether	59	4.205	4.205	(0.425)	213617	50.0000	(aH)	
8 Tertiary-butyl alcohol	59	6.297	6.298	(0.637)	75105	250.000	(aH)	
9 1,1-Dichloroethene	96	4.519	4.519	(0.457)	294238	50.0000	(a)	
10 Carbon Disulfide	76	4.554	4.554	(0.460)	807609	50.0000	(a)	
11 Freon-113	151	4.589	4.589	(0.464)	275447	50.0000	(a)	
12 Iodomethane	142	4.751	4.752	(0.480)	434278	50.0000	(a)	
13 Acrolein	56	5.077	5.077	(0.513)	193994	250.000	(a)	
14 Methylene Chloride	84	5.530	5.531	(0.559)	325989	50.0000	(a)	
15 Acetone	43	5.623	5.624	(0.569)	438821	250.000	(aH)	
16 Isobutyl Alcohol	43	10.087	10.087	(1.020)	126067	1000.00	(aH)	
17 trans-1,2-Dichloroethene	96	5.844	5.844	(0.591)	342272	50.0000	(a)	
18 Allyl Chloride	41	5.332	5.333	(0.539)	440946	50.0000	(a)	
19 Methyl tert-butyl ether	73	6.088	6.089	(0.616)	792734	100.000	(a)	
20 Acetonitrile	39	6.576	6.577	(0.665)	54228	500.000	(aH)	
21 Di-isopropyl ether	45	6.960	6.960	(0.704)	1032856	50.0000	(aH)	
22 Chloroprene	53	7.134	7.135	(0.721)	455863	50.0000	(aH)	
23 Propionitrile	54	9.773	9.773	(0.988)	237319	500.000	(a)	
24 Methacrylonitrile	41	9.808	9.808	(0.992)	1167877	500.000	(aH)	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 06-Jun-2011 15:03

	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	7.181	7.181	(0.726)	515230	50.0000	(a)	
	26 Acrylonitrile	52	7.285	7.286	(0.737)	326217	250.000	(a)	
	27 Ethyl tertiary-butyl ether	59	7.797	7.797	(0.788)	622925	50.0000	(aH)	
	28 Vinyl Acetate	43	7.808	7.809	(0.740)	577028	50.0000	(a)	
	29 cis-1,2-Dichloroethene	96	8.355	8.355	(0.845)	346578	50.0000	(a)	
M	30 1,2-Dichloroethylene (total)	96				688850	50.0000	(a)	
	31 Methyl Methacrylate	41	11.365	11.366	(1.077)	188081	50.0000	(a)	
	32 2,2-Dichloropropane	77	8.564	8.564	(0.866)	272383	50.0000	(a)	
	33 Bromochloromethane	128	8.715	8.715	(0.881)	166283	50.0000	(a)	
	34 Chloroform	83	8.878	8.878	(0.898)	525983	50.0000	(aH)	
	35 Carbon Tetrachloride	117	9.075	9.076	(0.860)	354744	50.0000	(aH)	
	36 Tetrahydrofuran	42	9.110	9.111	(0.921)	287944	250.000	(aH)	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	307957	50.0000	(a)	
	38 1,1,1-Trichloroethane	97	9.192	9.192	(0.929)	463322	50.0000	(a)	
	39 1,1-Dichloropropene	75	9.389	9.390	(0.890)	400856	50.0000	(aH)	
	40 2-Butanone	43	9.366	9.367	(0.947)	503438	250.000	(a)	
	41 Benzene	78	9.738	9.739	(0.923)	1025289	50.0000	(a)	
*	42 Pentafluorobenzene	168	9.889	9.890	(1.000)	409515	50.0000		
	43 Cyclohexane	56	8.727	8.727	(0.882)	434968	50.0000	(a)	
	44 Ethyl Methacrylate	69	12.923	12.924	(1.225)	240957	50.0000	(a)	
$	45 1,2-Dichloroethane-D4	65	9.924	9.925	(1.004)	263937	50.0000	(aH)	
	46 Tertiary-amyl methyl ether	73	9.936	9.936	(1.005)	512075	50.0000	(aMH)	mg DJP 060611
	47 1,2-Dichloroethane	62	10.017	10.018	(0.949)	360835	50.0000	(a)	
	48 Trichloroethene	95	10.505	10.506	(0.996)	285752	50.0000	(aH)	
*	49 1,4-Difluorobenzene	114	10.552	10.552	(1.000)	637773	50.0000		
	50 Dibromomethane	93	10.982	10.982	(1.041)	180402	50.0000	(aH)	
	51 1,2-Dichloropropane	63	11.098	11.099	(1.052)	252525	50.0000	(a)	
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	393487	50.0000	(a)	
	53 cis-1,3-dichloropropene	75	11.912	11.912	(1.129)	428711	50.0000	(a)	
	54 1,4-Dioxane	88	11.412	11.412	(1.082)	38718	1000.00	(a)	
$	55 Toluene-D8	98	12.144	12.145	(1.151)	851533	50.0000	(a)	
	56 2-Chloroethylvinylether	63	11.842	11.843	(1.122)	40941	50.0000	(aH)	
	57 Toluene	92	12.214	12.214	(1.158)	648755	50.0000	(a)	
	58 4-methyl-2-pentanone	43	12.679	12.679	(1.202)	841194	250.000	(a)	
	59 Tetrachloroethene	164	12.691	12.691	(0.894)	262721	50.0000	(a)	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	327831	50.0000	(a)	
	61 1,1,2-Trichloroethane	83	12.923	12.924	(1.225)	166704	50.0000	(a)	
	62 Dibromochloromethane	129	13.144	13.144	(0.926)	299138	50.0000	(a)	
	63 1,3-Dichloropropane	76	13.260	13.261	(0.934)	372731	50.0000	(a)	
	64 1,2-Dibromoethane	107	13.446	13.447	(1.274)	240200	50.0000	(a)	
	65 2-Hexanone	43	13.725	13.726	(0.966)	628746	250.000	(aH)	
*	66 Chlorobenzene-D5	117	14.097	14.098	(1.000)	477924	50.0000	(H)	
	67 Chlorobenzene	112	14.120	14.121	(0.994)	691936	50.0000	(a)	
	68 1-Chlorohexane	91	14.085	14.086	(0.992)	402128	50.0000	(aH)	
	69 Ethylbenzene	106	14.155	14.156	(0.997)	366267	50.0000	(aH)	
	70 1,1,1,2-Tetrachloroethane	131	14.202	14.202	(1.000)	275390	50.0000	(a)	
M	71 Xylenes (total)	106				1299294	150.000	(a)	
	72 m+p-Xylenes	106	14.341	14.342	(1.010)	862293	100.000	(a)	
	73 o-Xylene	106	14.911	14.911	(1.050)	437001	50.0000	(aH)	
	74 Styrene	104	14.981	14.981	(1.055)	732484	50.0000	(a)	
	75 Bromoform	173	15.015	15.016	(1.057)	198113	50.0000	(Ta)	
	76 Isopropylbenzene	105	15.329	15.330	(0.887)	1022846	50.0000	(a)	
$	77 P-Bromofluorobenzene	95	15.713	15.713	(1.489)	336871	50.0000	(aH)	
	78 cis-1,4-Dichloro-2-Butene	53	15.783	15.783	(0.913)	70185	50.0000	(aH)	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.224	16.225	(0.939)	63180	50.0000	(aH)	
80 Bromobenzene	156	15.864	15.864	(0.918)	328273	50.0000	(a)	
81 N-Propylbenzene	91	15.887	15.888	(0.919)	1301927	50.0000	(aH)	
82 1,1,2,2-Tetrachloroethane	83	15.969	15.969	(0.924)	229143	50.0000	(a)	
83 1,3,5-Trimethylbenzene	105	16.155	16.155	(0.935)	925733	50.0000	(a)	
84 2-Chlorotoluene	91	16.108	16.109	(0.932)	810192	50.0000	(aH)	
85 1,2,3-Trichloropropane	75	16.166	16.167	(0.935)	170906	50.0000	(aH)	
86 4-Chlorotoluene	91	16.341	16.341	(0.946)	780488	50.0000	(aH)	
87 tert-Butylbenzene	119	16.608	16.608	(0.961)	963933	50.0000	(aH)	
88 Pentachloroethane	117	16.631	16.632	(0.962)	207619	50.0000	(aH)	
89 1,2,4-Trimethylbenzene	105	16.701	16.701	(0.966)	915465	50.0000	(aH)	
90 P-Isopropyltoluene	119	17.061	17.062	(0.987)	963117	50.0000	(aH)	
91 1,3-Dichlorobenzene	146	17.178	17.178	(0.994)	557448	50.0000	(aH)	
* 92 1,4-Dichlorobenzene-D4	152	17.282	17.283	(1.000)	274556	50.0000		
93 1,4-Dichlorobenzene	146	17.305	17.306	(1.001)	538013	50.0000	(a)	
94 N-Butylbenzene	91	17.666	17.666	(1.022)	857648	50.0000	(a)	
95 sec-Butylbenzene	105	16.864	16.864	(0.976)	1227377	50.0000	(a)	
96 1,2-Dichlorobenzene	146	17.910	17.910	(1.036)	497865	50.0000	(a)	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.105)	34003	50.0000	(aH)	
98 1,3,5-Trichlorobenzene	180	19.154	19.154	(1.108)	429251	50.0000	(a)	
99 Hexachlorobutadiene	225	20.095	20.096	(1.163)	195095	50.0000	(a)	
100 1,2,4-Trichlorobenzene	180	20.130	20.131	(1.165)	326139	50.0000	(a)	
101 1,2,3-Trimethylbenzene	105	17.329	17.329	(1.003)	872901	50.0000	(aH)	
102 Naphthalene	128	20.642	20.642	(1.194)	442434	50.0000	(a)	
103 1,2,3-Trichlorobenzene	180	20.920	20.921	(1.211)	259169	50.0000	(a)	
104 Methyl Acetate	43	5.890	5.891	(0.596)	187915	50.0000	(aH)	
105 Methylcyclohexane	83	10.494	10.494	(1.061)	451073	50.0000	(a)	
M 106 Total Alkylbenzenes	100				7155200	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-t.i\T052411B.b\T2292.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2292.D
Lab Smp Id: VSTD050T24C
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

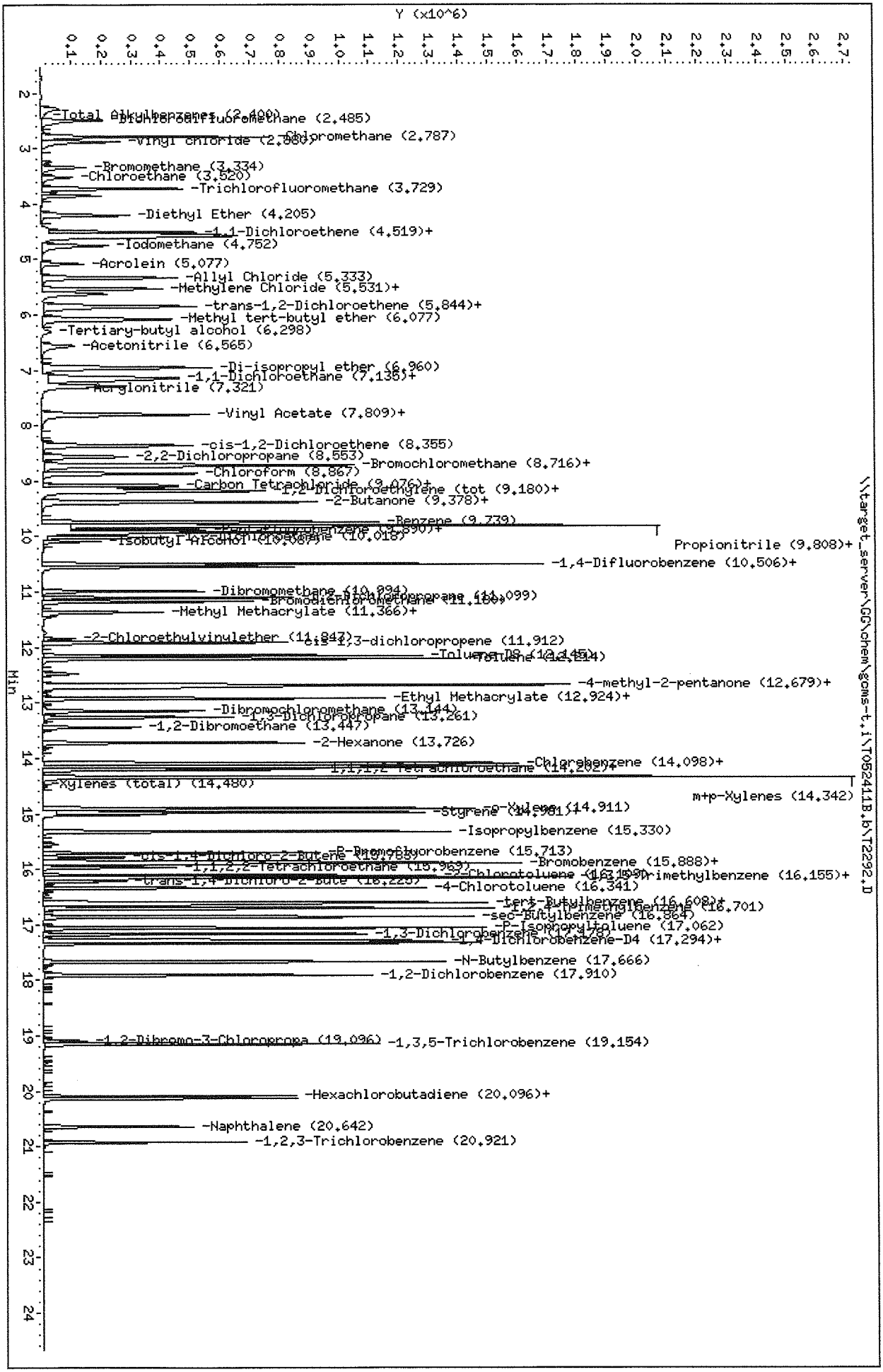
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	409515	0.00
49 1,4-Difluorobenze	637773	318887	1275546	637773	0.00
66 Chlorobenzene-D5	477924	238962	955848	477924	0.00
92 1,4-Dichlorobenze	274556	137278	549112	274556	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	0.00
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	0.00
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.00
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	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\T052411B.b\T2292.D
Date : 24-MAY-2011 13:06
Client ID:
Sample Info: VSTD050T24C
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: JSS
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2293.D
Lab Smp Id: VSTD200T24A
Inj Date : 24-MAY-2011 14:00 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD200T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 14:00 Cal File: T2293.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)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.491	2.497	(0.252)	1460258	200.000	199	
2 Chloromethane	50	2.782	2.787	(0.281)	1566327	200.000	177	
3 Vinyl chloride	62	2.875	2.880	(0.291)	1431285	200.000	189	
4 Bromomethane	94	3.339	3.334	(0.338)	608776	200.000	200	
5 Chloroethane	64	3.514	3.520	(0.355)	402860	200.000	144	
6 Trichlorofluoromethane	101	3.711	3.729	(0.375)	1737282	200.000	174	
7 Diethyl Ether	59	4.211	4.205	(0.426)	760457	200.000	181	
8 Tertiary-butyl alcohol	59	6.315	6.298	(0.638)	258671	1000.00	875	
9 1,1-Dichloroethene	96	4.514	4.519	(0.456)	1109401	200.000	192	
10 Carbon Disulfide	76	4.560	4.554	(0.461)	3297214	200.000	207(A)	
11 Freon-113	151	4.583	4.589	(0.463)	933270	200.000	172	
12 Iodomethane	142	4.758	4.752	(0.481)	1995981	200.000	234(A)	
13 Acrolein	56	5.083	5.077	(0.514)	671129	1000.00	879	
14 Methylene Chloride	84	5.536	5.531	(0.560)	1207215	200.000	188	
15 Acetone	43	5.629	5.624	(0.569)	1561299	1000.00	904	
16 Isobutyl Alcohol	43	10.093	10.087	(1.020)	413743	4000.00	3340	
17 trans-1,2-Dichloroethene	96	5.850	5.844	(0.591)	1280751	200.000	190	
18 Allyl Chloride	41	5.339	5.333	(0.540)	1535392	200.000	177	
19 Methyl tert-butyl ether	73	6.083	6.089	(0.615)	2945012	400.000	378	
20 Acetonitrile	39	6.571	6.577	(0.664)	197312	2000.00	1850	
21 Di-isopropyl ether	45	6.966	6.960	(0.704)	3523709	200.000	173	
22 Chloroprene	53	7.141	7.135	(0.722)	1577422	200.000	176	
23 Propionitrile	54	9.791	9.773	(0.989)	677505	2000.00	1450	
24 Methacrylonitrile	41	9.826	9.808	(0.993)	3549637	2000.00	1540	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 06-Jun-2011 15:03

	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	7.187	7.181	(0.726)	1855885	200.000	183	
	26 Acrylonitrile	52	7.303	7.286	(0.738)	1090214	1000.00	849	
	27 Ethyl tertiary-butyl ether	59	7.803	7.797	(0.789)	2065674	200.000	168	
	28 Vinyl Acetate	43	7.815	7.809	(0.741)	2089299	200.000	190	
	29 cis-1,2-Dichloroethene	96	8.361	8.355	(0.845)	1256226	200.000	184	
M	30 1,2-Dichloroethylene (total)	96				2536977	200.000	(a)	
	31 Methyl Methacrylate	41	11.372	11.366	(1.078)	655551	200.000	183	
	32 2,2-Dichloropropane	77	8.559	8.564	(0.865)	1174941	200.000	219(A)	
	33 Bromochloromethane	128	8.721	8.715	(0.881)	574379	200.000	176	
	34 Chloroform	83	8.873	8.878	(0.897)	1941217	200.000	188	
	35 Carbon Tetrachloride	117	9.082	9.076	(0.861)	1372592	200.000	203(A)	
	36 Tetrahydrofuran	42	9.117	9.111	(0.921)	945218	1000.00	834	
$	37 Dibromofluoromethane	113	9.163	9.169	(0.926)	1054080	200.000	174	
	38 1,1,1-Trichloroethane	97	9.186	9.192	(0.928)	1726882	200.000	189	
	39 1,1-Dichloropropene	75	9.384	9.390	(0.890)	1406007	200.000	184	
	40 2-Butanone	43	9.372	9.367	(0.947)	1614531	1000.00	815	
	41 Benzene	78	9.744	9.739	(0.924)	3314970	200.000	170	
*	42 Pentafluorobenzene	168	9.896	9.890	(1.000)	402998	50.0000		
	43 Cyclohexane	56	8.733	8.727	(0.883)	1393302	200.000	163	
	44 Ethyl Methacrylate	69	12.918	12.924	(1.225)	706172	200.000	154	
$	45 1,2-Dichloroethane-D4	65	9.930	9.925	(1.004)	936312	200.000	180	
	46 Tertiary-amyl methyl ether	73	9.942	9.936	(1.005)	1672790	200.000	166	
	47 1,2-Dichloroethane	62	10.012	10.018	(0.949)	1395605	200.000	203(A)	
	48 Trichloroethene	95	10.512	10.506	(0.997)	898552	200.000	165	
*	49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	607398	50.0000		
	50 Dibromomethane	93	10.988	10.982	(1.042)	629896	200.000	183	
	51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	806580	200.000	168	
	52 Bromodichloromethane	83	11.186	11.180	(1.061)	1398218	200.000	186	
	53 cis-1,3-dichloropropene	75	11.918	11.912	(1.130)	1498756	200.000	184	
	54 1,4-Dioxane	88	11.407	11.412	(1.082)	132104	4000.00	3580	
$	55 Toluene-D8	98	12.151	12.145	(1.152)	2652166	200.000	164	
	56 2-Chloroethylvinylether	63	11.848	11.843	(1.123)	183818	200.000	236(A)	
	57 Toluene	92	12.209	12.214	(1.158)	2010300	200.000	163	
	58 4-methyl-2-pentanone	43	12.685	12.679	(1.203)	2357301	1000.00	736	
	59 Tetrachloroethene	164	12.697	12.691	(0.900)	779465	200.000	192	
	60 trans-1,3-Dichloropropene	75	12.732	12.726	(1.207)	1187184	200.000	190	
	61 1,1,2-Trichloroethane	83	12.918	12.924	(1.225)	515756	200.000	162	
	62 Dibromochloromethane	129	13.150	13.144	(0.932)	1117233	200.000	242(A)	
	63 1,3-Dichloropropane	76	13.267	13.261	(0.941)	1273142	200.000	221(A)	
	64 1,2-Dibromoethane	107	13.453	13.447	(1.276)	884712	200.000	193	
	65 2-Hexanone	43	13.720	13.726	(0.973)	1875132	1000.00	964	
*	66 Chlorobenzene-D5	117	14.103	14.098	(1.000)	369416	50.0000		
	67 Chlorobenzene	112	14.127	14.121	(1.002)	2120794	200.000	198	
	68 1-Chlorohexane	91	14.092	14.086	(0.999)	1206467	200.000	194	
	69 Ethylbenzene	106	14.162	14.156	(1.004)	1113887	200.000	197	
	70 1,1,1,2-Tetrachloroethane	131	14.208	14.202	(1.007)	970551	200.000	228(A)	
M	71 Xylenes (total)	106				3743666	600.000	(a)	
	72 m+p-Xylenes	106	14.348	14.342	(1.017)	2400431	400.000	360	
	73 o-Xylene	106	14.917	14.911	(1.058)	1343235	200.000	199	
	74 Styrene	104	14.975	14.981	(1.062)	2245831	200.000	198	
	75 Bromoform	173	15.022	15.016	(1.065)	723210	200.000	236(TA)	
	76 Isopropylbenzene	105	15.336	15.330	(0.888)	3223586	200.000	176	
$	77 P-Bromofluorobenzene	95	15.708	15.713	(1.489)	1056828	200.000	165	
	78 cis-1,4-Dichloro-2-Butene	53	15.789	15.783	(0.914)	266532	200.000	212(A)	

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Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.219	16.225	(0.939)	245279	200.000	216(A)	
80 Bromobenzene	156	15.870	15.864	(0.919)	1073295	200.000	182	
81 N-Propylbenzene	91	15.894	15.888	(0.920)	3887383	200.000	166	
82 1,1,2,2-Tetrachloroethane	83	15.975	15.969	(0.925)	758363	200.000	184	
83 1,3,5-Trimethylbenzene	105	16.161	16.155	(0.935)	2868986	200.000	173	
84 2-Chlorotoluene	91	16.114	16.109	(0.933)	2565481	200.000	176	
85 1,2,3-Trichloropropane	75	16.173	16.167	(0.936)	497145	200.000	162	
86 4-Chlorotoluene	91	16.347	16.341	(0.946)	2555647	200.000	182	
87 tert-Butylbenzene	119	16.614	16.608	(0.962)	2957237	200.000	171	
88 Pentachloroethane	117	16.638	16.632	(0.963)	672191	200.000	180	
89 1,2,4-Trimethylbenzene	105	16.707	16.701	(0.967)	3007202	200.000	183	
90 P-Isopropyltoluene	119	17.068	17.062	(0.988)	3037251	200.000	176	
91 1,3-Dichlorobenzene	146	17.184	17.178	(0.995)	1783670	200.000	178	
* 92 1,4-Dichlorobenzene-D4	152	17.277	17.283	(1.000)	246179	50.0000		
93 1,4-Dichlorobenzene	146	17.300	17.306	(1.001)	1728346	200.000	179	
94 N-Butylbenzene	91	17.672	17.666	(1.023)	2661371	200.000	173	
95 sec-Butylbenzene	105	16.870	16.864	(0.976)	3721576	200.000	169	
96 1,2-Dichlorobenzene	146	17.916	17.910	(1.037)	1630324	200.000	183	
97 1,2-Dibromo-3-Chloropropane	75	19.090	19.096	(1.105)	123456	200.000	202(A)	
98 1,3,5-Trichlorobenzene	180	19.160	19.154	(1.109)	1361753	200.000	177	
99 Hexachlorobutadiene	225	20.102	20.096	(1.163)	633492	200.000	181	
100 1,2,4-Trichlorobenzene	180	20.136	20.131	(1.166)	1125348	200.000	192	
101 1,2,3-Trimethylbenzene	105	17.335	17.329	(1.003)	2749667	200.000	176	
102 Naphthalene	128	20.636	20.642	(1.194)	1667824	200.000	210(A)	
103 1,2,3-Trichlorobenzene	180	20.927	20.921	(1.211)	898148	200.000	193	
104 Methyl Acetate	43	5.897	5.891	(0.596)	656488	200.000	178	
105 Methylcyclohexane	83	10.500	10.494	(1.061)	1242430	200.000	140	
M 106 Total Alkylbenzenes	100				22141006	200.000	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2293.D
Lab Smp Id: VSTD200T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

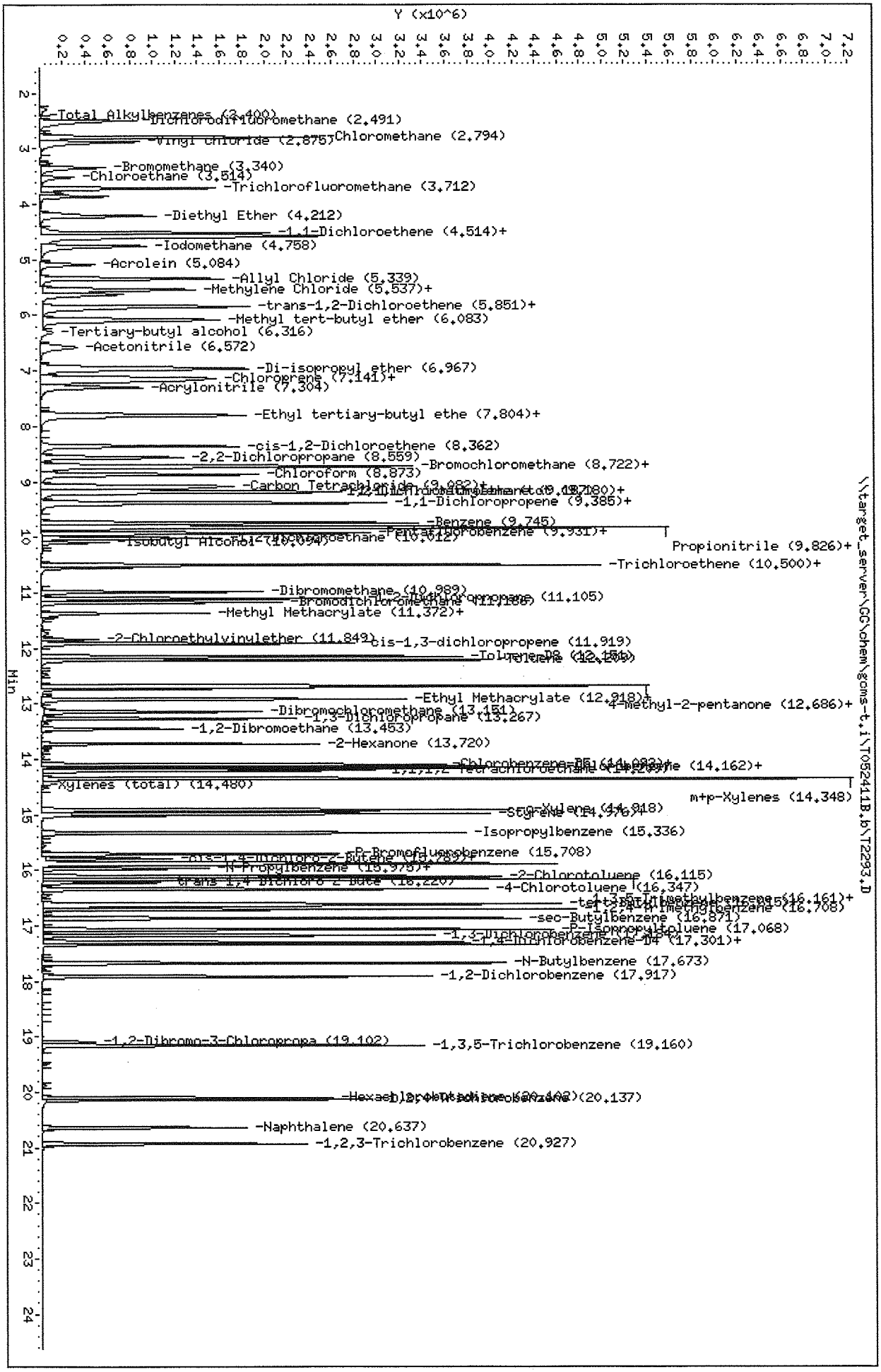
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	402998	-1.59
49 1,4-Difluorobenze	637773	318887	1275546	607398	-4.76
66 Chlorobenzene-D5	477924	238962	955848	369416	-22.70
92 1,4-Dichlorobenze	274556	137278	549112	246179	-10.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.90	0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.05
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.05
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\T052411B.b\T2293.D
Date : 24-MAY-2011 14:00
Client ID:
Sample Info: VSTD200T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWH
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2294.D
Lab Smp Id: VSTD100T24A
Inj Date : 24-MAY-2011 14:32 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD100T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 14:32 Cal File: T2294.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	2.494	2.497	(0.252)	646840	100.000	95.3	
2 Chloromethane	50	2.785	2.787	(0.282)	712476	100.000	92.2	
3 Vinyl chloride	62	2.878	2.880	(0.291)	517373	100.000	74.5	
4 Bromomethane	94	3.343	3.334	(0.338)	267690	100.000	94.8	
5 Chloroethane	64	3.517	3.520	(0.356)	204870	100.000	88.4	
6 Trichlorofluoromethane	101	3.726	3.729	(0.377)	827554	100.000	100	
7 Diethyl Ether	59	4.215	4.205	(0.426)	361744	100.000	99.1	
8 Tertiary-butyl alcohol	59	6.307	6.298	(0.638)	119897	500.000	475	
9 1,1-Dichloroethene	96	4.517	4.519	(0.457)	523690	100.000	99.6	
10 Carbon Disulfide	76	4.563	4.554	(0.462)	1535865	100.000	102	
11 Freon-113	151	4.586	4.589	(0.464)	430998	100.000	92.2	
12 Iodomethane	142	4.761	4.752	(0.482)	856033	100.000	94.8	
13 Acrolein	56	5.086	5.077	(0.514)	320318	500.000	482	
14 Methylene Chloride	84	5.540	5.531	(0.560)	550435	100.000	97.4	
15 Acetone	43	5.633	5.624	(0.570)	706780	500.000	464	
16 Isobutyl Alcohol	43	10.096	10.087	(1.021)	203769	2000.00	1930	
17 trans-1,2-Dichloroethene	96	5.854	5.844	(0.592)	598038	100.000	98.2	
18 Allyl Chloride	41	5.342	5.333	(0.540)	720252	100.000	99.2	
19 Methyl tert-butyl ether	73	6.086	6.089	(0.616)	1355223	200.000	193	
20 Acetonitrile	39	6.574	6.577	(0.665)	100831	1000.00	1080	
21 Di-isopropyl ether	45	6.958	6.960	(0.704)	1696763	100.000	96.5	
22 Chloroprene	53	7.132	7.135	(0.721)	754531	100.000	101	
23 Propionitrile	54	9.782	9.773	(0.989)	376425	1000.00	1010	
24 Methacrylonitrile	41	9.817	9.808	(0.993)	1896312	1000.00	1000	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 06-Jun-2011 15:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/1)	AMOUNTS ON-COL (ug/1)	REVIEW CODE
	25 1,1-Dichloroethane	63	7.179	7.181	(0.726)	874577	100.000	97.2	
	26 Acrylonitrile	52	7.295	7.286	(0.738)	527579	500.000	479	
	27 Ethyl tertiary-butyl ether	59	7.795	7.797	(0.788)	999522	100.000	95.5	
	28 Vinyl Acetate	43	7.806	7.809	(0.740)	997967	100.000	99.4	
	29 cis-1,2-Dichloroethene	96	8.364	8.355	(0.846)	599292	100.000	98.7	
M	30 1,2-Dichloroethylene (total)	96				1197330	100.000	(a)	
	31 Methyl Methacrylate	41	11.375	11.366	(1.078)	318580	100.000	99.1	
	32 2,2-Dichloropropane	77	8.562	8.564	(0.866)	490982	100.000	91.6	
	33 Bromochloromethane	128	8.713	8.715	(0.881)	291856	100.000	102	
	34 Chloroform	83	8.876	8.878	(0.898)	911536	100.000	98.0	
	35 Carbon Tetrachloride	117	9.073	9.076	(0.860)	628087	100.000	98.2	
	36 Tetrahydrofuran	42	9.108	9.111	(0.921)	472391	500.000	490	
$	37 Dibromofluoromethane	113	9.166	9.169	(0.927)	506942	100.000	96.5	
	38 1,1,1-Trichloroethane	97	9.190	9.192	(0.929)	809269	100.000	100	
	39 1,1-Dichloropropene	75	9.387	9.390	(0.890)	683969	100.000	99.6	
	40 2-Butanone	43	9.364	9.367	(0.947)	795081	500.000	477	
	41 Benzene	78	9.736	9.739	(0.923)	1683714	100.000	99.6	
*	42 Pentafluorobenzene	168	9.887	9.890	(1.000)	373572	50.0000		
	43 Cyclohexane	56	8.725	8.727	(0.882)	710318	100.000	98.7	
	44 Ethyl Methacrylate	69	12.921	12.924	(1.225)	379281	100.000	97.9	
$	45 1,2-Dichloroethane-D4	65	9.922	9.925	(1.004)	457753	100.000	100	
	46 Tertiary-amyl methyl ether	73	9.934	9.936	(1.005)	861452	100.000	101	
	47 1,2-Dichloroethane	62	10.015	10.018	(0.949)	651086	100.000	100	
	48 Trichloroethene	95	10.503	10.506	(0.996)	478403	100.000	103	
*	49 1,4-Difluorobenzene	114	10.550	10.552	(1.000)	569002	50.0000		
	50 Dibromomethane	93	10.991	10.982	(1.042)	311133	100.000	101	
	51 1,2-Dichloropropane	63	11.096	11.099	(1.052)	404165	100.000	97.6	
	52 Bromodichloromethane	83	11.177	11.180	(1.059)	668726	100.000	98.6	
	53 cis-1,3-dichloropropene	75	11.910	11.912	(1.129)	728271	100.000	99.3	
	54 1,4-Dioxane	88	11.410	11.412	(1.082)	66496	2000.00	2030	
$	55 Toluene-D8	98	12.142	12.145	(1.151)	1381976	100.000	100	
	56 2-Chloroethylvinylether	63	11.840	11.843	(1.122)	71066	100.000	88.2	
	57 Toluene	92	12.212	12.214	(1.158)	1051680	100.000	100	
	58 4-methyl-2-pentanone	43	12.677	12.679	(1.202)	1290177	500.000	487	
	59 Tetrachloroethene	164	12.689	12.691	(0.899)	420487	100.000	99.9	
	60 trans-1,3-Dichloropropene	75	12.723	12.726	(1.206)	574642	100.000	101	
	61 1,1,2-Trichloroethane	83	12.921	12.924	(1.225)	263944	100.000	97.9	
	62 Dibromochloromethane	129	13.142	13.144	(0.932)	530533	100.000	95.8	
	63 1,3-Dichloropropane	76	13.270	13.261	(0.941)	626533	100.000	97.7	
	64 1,2-Dibromoethane	107	13.444	13.447	(1.274)	417803	100.000	99.1	
	65 2-Hexanone	43	13.723	13.726	(0.973)	978116	500.000	484	
*	66 Chlorobenzene-D5	117	14.107	14.098	(1.000)	390626	50.0000		
	67 Chlorobenzene	112	14.118	14.121	(1.001)	1116915	100.000	99.2	
	68 1-Chlorohexane	91	14.095	14.086	(0.999)	631224	100.000	97.5	
	69 Ethylbenzene	106	14.153	14.156	(1.003)	589487	100.000	99.3	
	70 1,1,1,2-Tetrachloroethane	131	14.200	14.202	(1.007)	474046	100.000	96.6	
M	71 Xylenes (total)	106				2031103	300.000	(a)	
	72 m+p-Xylenes	106	14.351	14.342	(1.017)	1327385	200.000	198	
	73 o-Xylene	106	14.909	14.911	(1.057)	703718	100.000	98.8	
	74 Styrene	104	14.978	14.981	(1.062)	1175407	100.000	98.6	
	75 Bromoform	173	15.013	15.016	(1.064)	352961	100.000	97.5(T)	
	76 Isopropylbenzene	105	15.327	15.330	(0.887)	1677769	100.000	100	
$	77 P-Bromofluorobenzene	95	15.711	15.713	(1.489)	544339	100.000	99.3	
	78 cis-1,4-Dichloro-2-Butene	53	15.792	15.783	(0.914)	122137	100.000	96.1	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.222	16.225	(0.939)	117920	100.000	101	
80 Bromobenzene	156	15.862	15.864	(0.918)	555907	100.000	101	
81 N-Propylbenzene	91	15.885	15.888	(0.919)	2056444	100.000	98.7	
82 1,1,2,2-Tetrachloroethane	83	15.967	15.969	(0.924)	390103	100.000	101	
83 1,3,5-Trimethylbenzene	105	16.153	16.155	(0.935)	1511996	100.000	100	
84 2-Chlorotoluene	91	16.106	16.109	(0.932)	1311977	100.000	98.5	
85 1,2,3-Trichloropropane	75	16.164	16.167	(0.935)	272573	100.000	101	
86 4-Chlorotoluene	91	16.339	16.341	(0.946)	1309561	100.000	100	
87 tert-Butylbenzene	119	16.606	16.608	(0.961)	1591735	100.000	102	
88 Pentachloroethane	117	16.641	16.632	(0.963)	343726	100.000	99.7	
89 1,2,4-Trimethylbenzene	105	16.699	16.701	(0.966)	1532533	100.000	100	
90 P-Isopropyltoluene	119	17.059	17.062	(0.987)	1598071	100.000	101	
91 1,3-Dichlorobenzene	146	17.175	17.178	(0.994)	927120	100.000	101	
* 92 1,4-Dichlorobenzene-D4	152	17.280	17.283	(1.000)	239655	50.0000		
93 1,4-Dichlorobenzene	146	17.303	17.306	(1.001)	895120	100.000	100	
94 N-Butylbenzene	91	17.675	17.666	(1.023)	1395418	100.000	99.9	
95 sec-Butylbenzene	105	16.862	16.864	(0.976)	1986846	100.000	100	
96 1,2-Dichlorobenzene	146	17.908	17.910	(1.036)	850402	100.000	102	
97 1,2-Dibromo-3-Chloropropane	75	19.093	19.096	(1.105)	59968	100.000	100	
98 1,3,5-Trichlorobenzene	180	19.152	19.154	(1.108)	714184	100.000	101	
99 Hexachlorobutadiene	225	20.093	20.096	(1.163)	329881	100.000	102	
100 1,2,4-Trichlorobenzene	180	20.140	20.131	(1.165)	591221	100.000	107	
101 1,2,3-Trimethylbenzene	105	17.327	17.329	(1.003)	1432716	100.000	100	
102 Naphthalene	128	20.639	20.642	(1.194)	852820	100.000	106	
103 1,2,3-Trichlorobenzene	180	20.930	20.921	(1.211)	476365	100.000	108	
104 Methyl Acetate	43	5.888	5.891	(0.596)	309996	100.000	95.8	
105 Methylcyclohexane	83	10.492	10.494	(1.061)	668568	100.000	93.3	
M 106 Total Alkylbenzenes	100				11673043	100.000	(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-t.i\T052411B.b\T2294.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2294.D
Lab Smp Id: VSTD100T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

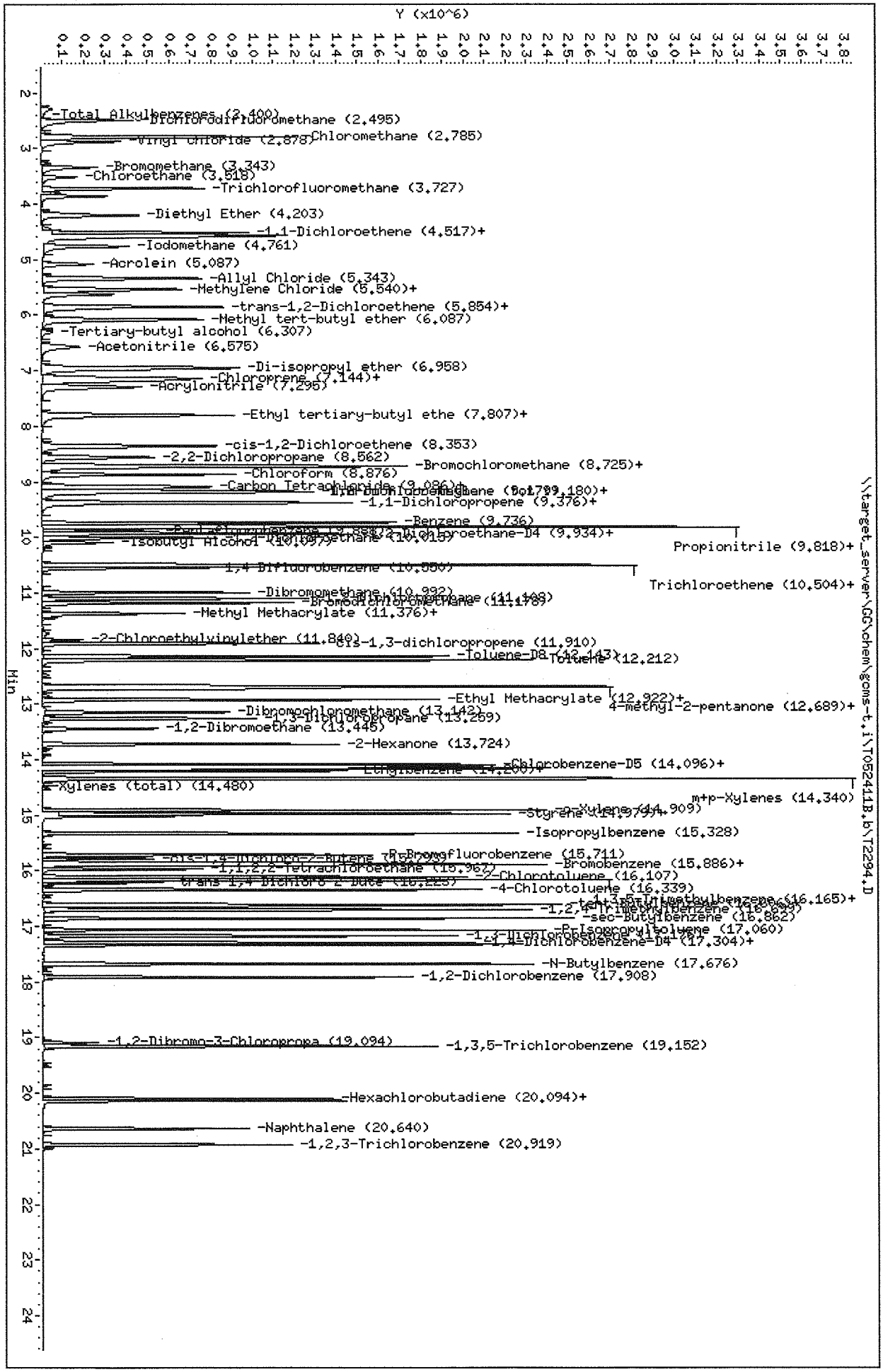
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	373572	-8.78
49 1,4-Difluorobenze	637773	318887	1275546	569002	-10.78
66 Chlorobenzene-D5	477924	238962	955848	390626	-18.27
92 1,4-Dichlorobenze	274556	137278	549112	239655	-12.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.02
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.02
66 Chlorobenzene-D5	14.10	13.60	14.60	14.11	0.07
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\T052411B.b\T2294.D
Date : 24-MAY-2011 14:32
Client ID:
Sample Info: VSTD100T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2295.D
Lab Smp Id: VSTD020T24A
Inj Date : 24-MAY-2011 15:04 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD020T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 15:04 Cal File: T2295.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/1)	AMOUNTS ON-COL (ug/1)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.495	2.497	(0.252)	141394	20.0000	21.6	
2 Chloromethane	50	2.786	2.787	(0.282)	169095	20.0000	23.0	
3 Vinyl chloride	62	2.879	2.880	(0.291)	118645	20.0000	20.5	
4 Bromomethane	94	3.344	3.334	(0.338)	59144	20.0000	21.8	
5 Chloroethane	64	3.530	3.520	(0.357)	55911	20.0000	21.9	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	191273	20.0000	21.0	
7 Diethyl Ether	59	4.204	4.205	(0.425)	72013	20.0000	14.8	
8 Tertiary-butyl alcohol	59	6.296	6.298	(0.637)	20218	100.000	53.3	
9 1,1-Dichloroethene	96	4.518	4.519	(0.457)	116153	20.0000	22.6	
10 Carbon Disulfide	76	4.564	4.554	(0.462)	357702	20.0000	24.2	
11 Freon-113	151	4.599	4.589	(0.465)	95204	20.0000	21.4	
12 Iodomethane	142	4.762	4.752	(0.482)	161495	20.0000	22.2	
13 Acrolein	56	5.076	5.077	(0.513)	66599	100.000	104	
14 Methylene Chloride	84	5.541	5.531	(0.560)	125527	20.0000	22.2	
15 Acetone	43	5.622	5.624	(0.569)	156286	100.000	107	
16 Isobutyl Alcohol	43	10.086	10.087	(1.020)	39030	400.000	382	
17 trans-1,2-Dichloroethene	96	5.843	5.844	(0.591)	126136	20.0000	21.3	
18 Allyl Chloride	41	5.343	5.333	(0.540)	153146	20.0000	19.4	
19 Methyl tert-butyl ether	73	6.087	6.089	(0.616)	281435	40.0000	41.4	
20 Acetonitrile	39	6.564	6.577	(0.664)	19251	200.000	131	
21 Di-isopropyl ether	45	6.959	6.960	(0.704)	341737	20.0000	20.1	
22 Chloroprene	53	7.133	7.135	(0.721)	160665	20.0000	19.3	
23 Propionitrile	54	9.772	9.773	(0.988)	86022	200.000	235	
24 Methacrylonitrile	41	9.807	9.808	(0.992)	421951	200.000	228	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 06-Jun-2011 15:03

	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	7.180	7.181	(0.726)	195919	20.0000	22.4	
	26 Acrylonitrile	52	7.296	7.286	(0.738)	108891	100.000	102	
	27 Ethyl tertiary-butyl ether	59	7.796	7.797	(0.788)	219260	20.0000	21.7	
	28 Vinyl Acetate	43	7.808	7.809	(0.740)	202207	20.0000	20.6	
	29 cis-1,2-Dichloroethene	96	8.354	8.355	(0.845)	132893	20.0000	22.4	
M	30 1,2-Dichloroethylene (total)	96				259029	20.0000	(a)	
	31 Methyl Methacrylate	41	11.365	11.366	(1.077)	67150	20.0000	21.4	
	32 2,2-Dichloropropane	77	8.552	8.564	(0.865)	89146	20.0000	20.6	
	33 Bromochloromethane	128	8.714	8.715	(0.881)	65782	20.0000	23.4	
	34 Chloroform	83	8.865	8.878	(0.897)	198863	20.0000	22.0	
	35 Carbon Tetrachloride	117	9.075	9.076	(0.860)	131240	20.0000	22.6	
	36 Tetrahydrofuran	42	9.109	9.111	(0.921)	104109	100.000	111	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	109369	20.0000	21.5	
	38 1,1,1-Trichloroethane	97	9.191	9.192	(0.929)	177313	20.0000	21.4	
	39 1,1-Dichloropropene	75	9.377	9.390	(0.889)	151564	20.0000	22.6	
	40 2-Butanone	43	9.365	9.367	(0.947)	164303	100.000	102	
	41 Benzene	78	9.737	9.739	(0.923)	386311	20.0000	23.4	
*	42 Pentafluorobenzene	168	9.888	9.890	(1.000)	365650	50.0000		
	43 Cyclohexane	56	8.726	8.727	(0.882)	169234	20.0000	24.1	
	44 Ethyl Methacrylate	69	12.922	12.924	(1.225)	87109	20.0000	19.3	
$	45 1,2-Dichloroethane-D4	65	9.923	9.925	(1.004)	89965	20.0000	20.1	
	46 Tertiary-amyl methyl ether	73	9.935	9.936	(1.005)	187969	20.0000	22.4	
	47 1,2-Dichloroethane	62	10.016	10.018	(0.949)	132374	20.0000	20.8	
	48 Trichloroethene	95	10.504	10.506	(0.996)	113112	20.0000	24.6	
*	49 1,4-Difluorobenzene	114	10.551	10.552	(1.000)	556638	50.0000		
	50 Dibromomethane	93	10.981	10.982	(1.041)	68899	20.0000	22.8	
	51 1,2-Dichloropropane	63	11.097	11.099	(1.052)	93975	20.0000	23.4	
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	139776	20.0000	21.2	
	53 cis-1,3-dichloropropene	75	11.911	11.912	(1.129)	155037	20.0000	21.6	
	54 1,4-Dioxane	88	11.411	11.412	(1.082)	13421	400.000	417	
$	55 Toluene-D8	98	12.143	12.145	(1.151)	306505	20.0000	22.7	
	56 2-Chloroethylvinylether	63	11.841	11.843	(1.122)	17603	20.0000	19.8	
	57 Toluene	92	12.213	12.214	(1.158)	249334	20.0000	24.3	
	58 4-methyl-2-pentanone	43	12.678	12.679	(1.202)	315161	100.000	98.5	
	59 Tetrachloroethene	164	12.690	12.691	(0.900)	110072	20.0000	23.5	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	118587	20.0000	21.2	
	61 1,1,2-Trichloroethane	83	12.922	12.924	(1.225)	60350	20.0000	23.0	
	62 Dibromochloromethane	129	13.143	13.144	(0.932)	106713	20.0000	28.2	
	63 1,3-Dichloropropane	76	13.259	13.261	(0.941)	135092	20.0000	19.0	
	64 1,2-Dibromoethane	107	13.445	13.447	(1.274)	90234	20.0000	21.9	
	65 2-Hexanone	43	13.724	13.726	(0.974)	222679	100.000	99.9	
*	66 Chlorobenzene-D5	117	14.096	14.098	(1.000)	435651	50.0000		
	67 Chlorobenzene	112	14.120	14.121	(1.002)	268125	20.0000	21.4	
	68 1-Chlorohexane	91	14.085	14.086	(0.999)	160537	20.0000	22.4	
	69 Ethylbenzene	106	14.154	14.156	(1.004)	145671	20.0000	22.0	
	70 1,1,1,2-Tetrachloroethane	131	14.201	14.202	(1.007)	98837	20.0000	26.1	
M	71 Xylenes (total)	106				522067	60.0000	(a)	
	72 m+p-Xylenes	106	14.340	14.342	(1.017)	350662	40.0000	47.1	
	73 o-Xylene	106	14.910	14.911	(1.058)	171405	20.0000	21.7	
	74 Styrene	104	14.968	14.981	(1.062)	276749	20.0000	20.9	
	75 Bromoform	173	15.015	15.016	(1.065)	69383	20.0000	26.4(T)	
	76 Isopropylbenzene	105	15.328	15.330	(0.888)	408106	20.0000	24.6	
$	77 P-Bromofluorobenzene	95	15.700	15.713	(1.488)	118482	20.0000	22.1	
	78 cis-1,4-Dichloro-2-Butene	53	15.782	15.783	(0.914)	20893	20.0000	21.5	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.212	16.225	(0.939)	20692	20.0000	21.4	
80 Bromobenzene	156	15.863	15.864	(0.919)	126664	20.0000	23.2	
81 N-Propylbenzene	91	15.886	15.888	(0.920)	512614	20.0000	25.0	
82 1,1,2,2-Tetrachloroethane	83	15.968	15.969	(0.925)	82698	20.0000	21.6	
83 1,3,5-Trimethylbenzene	105	16.154	16.155	(0.935)	367791	20.0000	24.6	
84 2-Chlorotoluene	91	16.107	16.109	(0.933)	316388	20.0000	24.1	
85 1,2,3-Trichloropropane	75	16.165	16.167	(0.936)	62981	20.0000	23.5	
86 4-Chlorotoluene	91	16.340	16.341	(0.946)	299645	20.0000	23.2	
87 tert-Butylbenzene	119	16.607	16.608	(0.962)	375001	20.0000	24.1	
88 Pentachloroethane	117	16.630	16.632	(0.963)	71357	20.0000	20.9	
89 1,2,4-Trimethylbenzene	105	16.700	16.701	(0.967)	359527	20.0000	23.7	
90 P-Isopropyltoluene	119	17.060	17.062	(0.988)	378029	20.0000	24.1	
91 1,3-Dichlorobenzene	146	17.165	17.178	(0.994)	212214	20.0000	23.2	
* 92 1,4-Dichlorobenzene-D4	152	17.270	17.283	(1.000)	237135	50.0000		
93 1,4-Dichlorobenzene	146	17.293	17.306	(1.001)	209935	20.0000	23.8	
94 N-Butylbenzene	91	17.665	17.666	(1.023)	320421	20.0000	23.2	
95 sec-Butylbenzene	105	16.851	16.864	(0.976)	489678	20.0000	25.0	
96 1,2-Dichlorobenzene	146	17.909	17.910	(1.037)	195011	20.0000	23.5	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.106)	11799	20.0000	19.9	
98 1,3,5-Trichlorobenzene	180	19.153	19.154	(1.109)	157533	20.0000	22.5	
99 Hexachlorobutadiene	225	20.094	20.096	(1.164)	77226	20.0000	23.9	
100 1,2,4-Trichlorobenzene	180	20.129	20.131	(1.166)	114685	20.0000	18.9	
101 1,2,3-Trimethylbenzene	105	17.328	17.329	(1.003)	328119	20.0000	23.2	
102 Naphthalene	128	20.641	20.642	(1.195)	142688	20.0000	17.7	
103 1,2,3-Trichlorobenzene	180	20.920	20.921	(1.211)	96256	20.0000	19.9	
104 Methyl Acetate	43	5.890	5.891	(0.596)	61555	20.0000	19.7	
105 Methylcyclohexane	83	10.493	10.494	(1.061)	157030	20.0000	17.9	
M 106 Total Alkylbenzenes	100				2803061	20.0000	(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-t.i\T052411B.b\T2295.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2295.D
Lab Smp Id: VSTD020T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

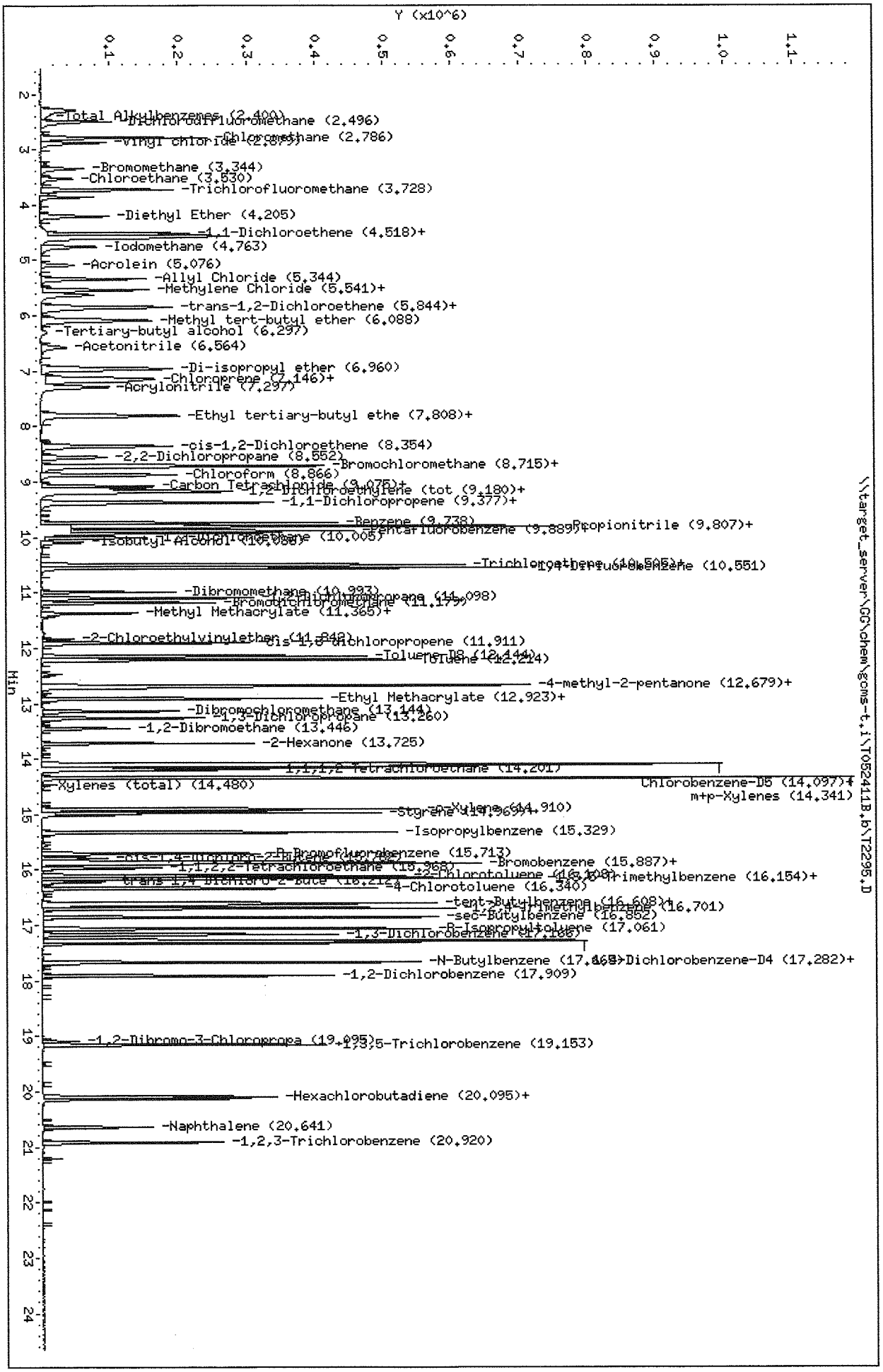
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	365650	-10.71
49 1,4-Difluorobenze	637773	318887	1275546	556638	-12.72
66 Chlorobenzene-D5	477924	238962	955848	435651	-8.85
92 1,4-Dichlorobenze	274556	137278	549112	237135	-13.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.01
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.01
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	-0.01
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\T052411B.b\T2295.D
Date : 24-MAY-2011 15:04
Client ID:
Sample Info: VSTD020T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18



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Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2296.D
Lab Smp Id: VSTD005T24A
Inj Date : 24-MAY-2011 15:37 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD005T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 15:37 Cal File: T2296.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	2.502	2.497	(0.253)	35166	5.00000	5.0	
2 Chloromethane	50	2.792	2.787	(0.283)	46520	5.00000	5.8	
3 Vinyl chloride	62	2.885	2.880	(0.292)	37293	5.00000	4.1	
4 Bromomethane	94	3.339	3.334	(0.338)	16233	5.00000	5.6	
5 Chloroethane	64	3.525	3.520	(0.357)	16502	5.00000	4.3	
6 Trichlorofluoromethane	101	3.734	3.729	(0.378)	46727	5.00000	1.9	
7 Diethyl Ether	59	4.211	4.205	(0.426)	19962	5.00000	2.1	
8 Tertiary-butyl alcohol	59	6.303	6.298	(0.638)	4787	25.0000	12.8	
9 1,1-Dichloroethene	96	4.513	4.519	(0.457)	31703	5.00000	5.7	
10 Carbon Disulfide	76	4.559	4.554	(0.461)	101934	5.00000	6.2	
11 Freon-113	151	4.594	4.589	(0.465)	25475	5.00000	5.4	
12 Iodomethane	142	4.757	4.752	(0.481)	34401	5.00000	7.4	
13 Acrolein	56	5.082	5.077	(0.514)	18302	25.0000	27.0	
14 Methylene Chloride	84	5.536	5.531	(0.560)	37220	5.00000	4.9(a)	
15 Acetone	43	5.629	5.624	(0.570)	48615	25.0000	31.3	
16 Isobutyl Alcohol	43	10.092	10.087	(1.021)	9543	100.000	90.4	
17 trans-1,2-Dichloroethene	96	5.850	5.844	(0.592)	34467	5.00000	5.5	
18 Allyl Chloride	41	5.338	5.333	(0.540)	42854	5.00000	3.4	
19 Methyl tert-butyl ether	73	6.094	6.089	(0.617)	77078	10.0000	10.7	
20 Acetonitrile	39	6.570	6.577	(0.665)	5436	50.0000	11.2(a)	
21 Di-isopropyl ether	45	6.954	6.960	(0.704)	89115	5.00000	5.0	
22 Chloroprene	53	7.140	7.135	(0.722)	41843	5.00000	2.6	
23 Propionitrile	54	9.767	9.773	(0.988)	24137	50.0000	60.3	
24 Methacrylonitrile	41	9.802	9.808	(0.992)	122743	50.0000	61.2	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2296.D
Report Date: 06-Jun-2011 15:03

	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	7.186	7.181	(0.727)	55174	5.00000	5.9	
	26 Acrylonitrile	52	7.291	7.286	(0.738)	33423	25.0000	29.9	
	27 Ethyl tertiary-butyl ether	59	7.802	7.797	(0.789)	62861	5.00000	5.8	
	28 Vinyl Acetate	43	7.814	7.809	(0.741)	53616	5.00000	5.5	
	29 cis-1,2-Dichloroethene	96	8.360	8.355	(0.846)	37141	5.00000	5.8	
M	30 1,2-Dichloroethylene (total)	96				71608	5.00000	(a)	
	31 Methyl Methacrylate	41	11.371	11.366	(1.078)	16946	5.00000	5.4	
	32 2,2-Dichloropropane	77	8.558	8.564	(0.866)	19212	5.00000	7.2	
	33 Bromochloromethane	128	8.721	8.715	(0.882)	19066	5.00000	6.2	
	34 Chloroform	83	8.872	8.878	(0.898)	53859	5.00000	5.6	
	35 Carbon Tetrachloride	117	9.081	9.076	(0.861)	28207	5.00000	4.9	
	36 Tetrahydrofuran	42	9.116	9.111	(0.922)	29933	25.0000	29.7	
$	37 Dibromofluoromethane	113	9.163	9.169	(0.927)	28946	5.00000	5.3	
	38 1,1,1-Trichloroethane	97	9.186	9.192	(0.929)	43360	5.00000	3.5	
	39 1,1-Dichloropropene	75	9.383	9.390	(0.890)	37664	5.00000	5.5	
	40 2-Butanone	43	9.372	9.367	(0.948)	46619	25.0000	27.6	
	41 Benzene	78	9.744	9.739	(0.924)	106014	5.00000	6.2	
*	42 Pentafluorobenzene	168	9.883	9.890	(1.000)	382529	50.0000		
	43 Cyclohexane	56	8.721	8.727	(0.882)	47092	5.00000	6.1	
	44 Ethyl Methacrylate	69	12.917	12.924	(1.225)	23107	5.00000	5.0	
$	45 1,2-Dichloroethane-D4	65	9.918	9.925	(1.004)	25596	5.00000	5.4	
	46 Tertiary-amyl methyl ether	73	9.930	9.936	(1.005)	51710	5.00000	5.7	
	47 1,2-Dichloroethane	62	10.011	10.018	(0.949)	36994	5.00000	5.8	
	48 Trichloroethene	95	10.499	10.506	(0.996)	30039	5.00000	6.2	
*	49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	552406	50.0000		
	50 Dibromomethane	93	10.988	10.982	(1.042)	19623	5.00000	6.3	
	51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	26005	5.00000	6.2	
	52 Bromodichloromethane	83	11.174	11.180	(1.060)	35898	5.00000	5.4	
	53 cis-1,3-dichloropropene	75	11.917	11.912	(1.130)	40856	5.00000	5.6	
	54 1,4-Dioxane	88	11.418	11.412	(1.083)	3040	100.000	94.2	
$	55 Toluene-D8	98	12.150	12.145	(1.152)	85793	5.00000	6.2	
	56 2-Chloroethylvinylether	63	11.848	11.843	(1.123)	5589	5.00000	(a)	
	57 Toluene	92	12.208	12.214	(1.158)	68491	5.00000	6.4	
	58 4-methyl-2-pentanone	43	12.673	12.679	(1.202)	90947	25.0000	26.4	
	59 Tetrachloroethene	164	12.685	12.691	(0.899)	28024	5.00000	5.3	
	60 trans-1,3-Dichloropropene	75	12.720	12.726	(1.206)	31003	5.00000	5.5	
	61 1,1,2-Trichloroethane	83	12.917	12.924	(1.225)	16578	5.00000	6.1	
	62 Dibromochloromethane	129	13.150	13.144	(0.932)	26571	5.00000	12.0	
	63 1,3-Dichloropropane	76	13.266	13.261	(0.941)	38806	5.00000	5.1	
	64 1,2-Dibromoethane	107	13.452	13.447	(1.276)	24151	5.00000	5.8	
	65 2-Hexanone	43	13.719	13.726	(0.973)	62056	25.0000	25.7	
*	66 Chlorobenzene-D5	117	14.103	14.098	(1.000)	472540	50.0000		
	67 Chlorobenzene	112	14.126	14.121	(1.002)	74403	5.00000	5.4	
	68 1-Chlorohexane	91	14.080	14.086	(0.998)	43426	5.00000	5.4	
	69 Ethylbenzene	106	14.149	14.156	(1.003)	40335	5.00000	5.5	
	70 1,1,1,2-Tetrachloroethane	131	14.196	14.202	(1.007)	25718	5.00000	10.1	
M	71 Xylenes (total)	106				151316	15.0000	(a)	
	72 m+p-Xylenes	106	14.335	14.342	(1.016)	102123	10.0000	12.1	
	73 o-Xylene	106	14.905	14.911	(1.057)	49193	5.00000	5.6	
	74 Styrene	104	14.975	14.981	(1.062)	77782	5.00000	5.4	
	75 Bromoform	173	15.009	15.016	(1.064)	17928	5.00000	11.1(T)	
	76 Isopropylbenzene	105	15.323	15.330	(0.887)	115543	5.00000	6.3	
$	77 P-Bromofluorobenzene	95	15.707	15.713	(1.489)	34678	5.00000	6.4	
	78 cis-1,4-Dichloro-2-Butene	53	15.788	15.783	(0.914)	5760	5.00000	9.0	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2296.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/1)	AMOUNTS ON-COL (ug/1)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.218	16.225	(0.939)	4956	5.00000	7.4	
80 Bromobenzene	156	15.858	15.864	(0.918)	35623	5.00000	6.0	
81 N-Propylbenzene	91	15.881	15.888	(0.919)	145564	5.00000	6.4	
82 1,1,2,2-Tetrachloroethane	83	15.963	15.969	(0.924)	23492	5.00000	5.8	
83 1,3,5-Trimethylbenzene	105	16.149	16.155	(0.935)	102229	5.00000	6.2	
84 2-Chlorotoluene	91	16.102	16.109	(0.932)	88989	5.00000	6.2	
85 1,2,3-Trichloropropane	75	16.160	16.167	(0.935)	17915	5.00000	6.1	
86 4-Chlorotoluene	91	16.335	16.341	(0.946)	87650	5.00000	6.2	
87 tert-Butylbenzene	119	16.602	16.608	(0.961)	103284	5.00000	6.0	
88 Pentachloroethane	117	16.637	16.632	(0.963)	20971	5.00000	5.8	
89 1,2,4-Trimethylbenzene	105	16.695	16.701	(0.966)	100786	5.00000	6.1	
90 P-Isopropyltoluene	119	17.055	17.062	(0.987)	102157	5.00000	5.9	
91 1,3-Dichlorobenzene	146	17.172	17.178	(0.994)	62318	5.00000	6.3	
* 92 1,4-Dichlorobenzene-D4	152	17.276	17.283	(1.000)	247344	50.0000		
93 1,4-Dichlorobenzene	146	17.299	17.306	(1.001)	60115	5.00000	6.2	
94 N-Butylbenzene	91	17.671	17.666	(1.023)	84440	5.00000	5.6	
95 sec-Butylbenzene	105	16.858	16.864	(0.976)	133393	5.00000	6.1	
96 1,2-Dichlorobenzene	146	17.916	17.910	(1.037)	56376	5.00000	6.2	
97 1,2-Dibromo-3-Chloropropane	75	19.090	19.096	(1.105)	3110	5.00000	5.0	
98 1,3,5-Trichlorobenzene	180	19.148	19.154	(1.108)	40482	5.00000	5.4	
99 Hexachlorobutadiene	225	20.101	20.096	(1.163)	20685	5.00000	5.8	
100 1,2,4-Trichlorobenzene	180	20.136	20.131	(1.166)	24748	5.00000	2.6	
101 1,2,3-Trimethylbenzene	105	17.323	17.329	(1.003)	93148	5.00000	6.1	
102 Naphthalene	128	20.636	20.642	(1.194)	23415	5.00000	3.7	
103 1,2,3-Trichlorobenzene	180	20.926	20.921	(1.211)	19449	5.00000	2.1	
104 Methyl Acetate	43	5.896	5.891	(0.597)	18454	5.00000	5.7	
105 Methylcyclohexane	83	10.488	10.494	(1.061)	45025	5.00000	4.8	
M 106 Total Alkylbenzenes	100				771853	5.00000	(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-t.i\T052411B.b\T2296.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2296.D
Lab Smp Id: VSTD005T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

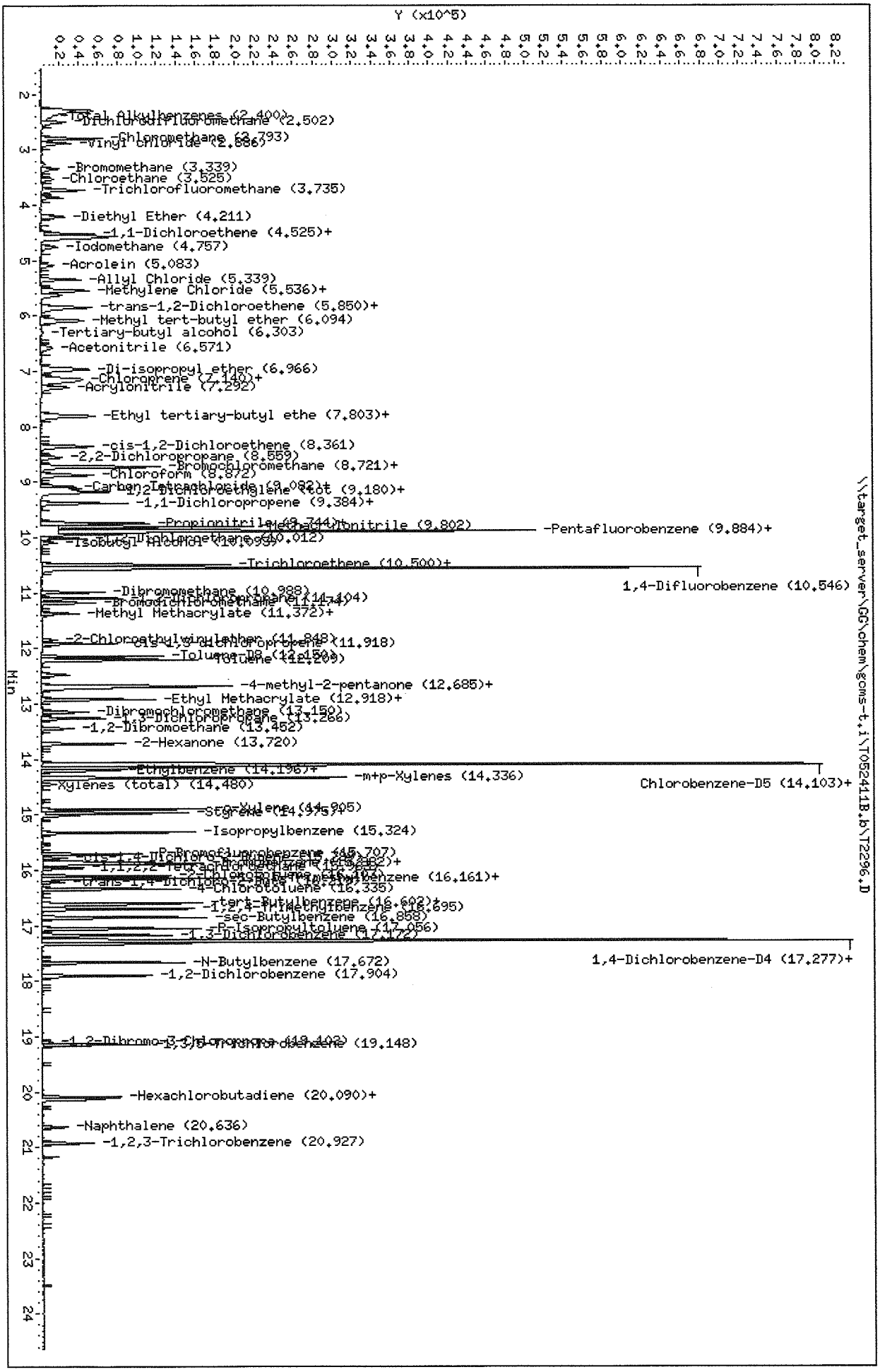
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	382529	-6.59
49 1,4-Difluorobenze	637773	318887	1275546	552406	-13.39
66 Chlorobenzene-D5	477924	238962	955848	472540	-1.13
92 1,4-Dichlorobenze	274556	137278	549112	247344	-9.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.06
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.04
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\T052411B.b\T2296.D
Date : 24-MAY-2011 15:37
Client ID:
Sample Info: VSTD005T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWH
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2297.D
Lab Smp Id: VSTD001T24A
Inj Date : 24-MAY-2011 16:10 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD001T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.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	2.496	2.497	(0.252)	5319	1.00000	0.75(a)	
2 Chloromethane	50	2.798	2.787	(0.283)	6688	1.00000	0.80(a)	
3 Vinyl chloride	62	2.879	2.880	(0.291)	4928	1.00000	(a)	
4 Bromomethane	94	3.344	3.334	(0.338)	3756	1.00000	1.2	
5 Chloroethane	64	3.530	3.520	(0.357)	2486	1.00000	(a)	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	5565	1.00000	(a)	
7 Diethyl Ether	59	4.216	4.205	(0.426)	2385	1.00000	(a)	
8 Tertiary-butyl alcohol	59	6.308	6.298	(0.638)	281	5.00000	(a)	
9 1,1-Dichloroethene	96	4.530	4.519	(0.458)	4606	1.00000	0.80(a)	
10 Carbon Disulfide	76	4.565	4.554	(0.462)	19398	1.00000	1.1	
11 Freon-113	151	4.600	4.589	(0.465)	3456	1.00000	0.71(a)	
12 Iodomethane	142	4.751	4.752	(0.480)	4534	1.00000	3.6	
13 Acrolein	56	5.088	5.077	(0.515)	2567	5.00000	3.7(a)	
14 Methylene Chloride	84	5.541	5.531	(0.560)	8407	1.00000	(a)	
15 Acetone	43	5.646	5.624	(0.571)	7060	5.00000	4.3(a)	
16 Isobutyl Alcohol	43	10.086	10.087	(1.020)	1501	20.0000	14.3(a)	
17 trans-1,2-Dichloroethene	96	5.855	5.844	(0.592)	5344	1.00000	0.82(a)	
18 Allyl Chloride	41	5.332	5.333	(0.539)	4723	1.00000	(a)	
19 Methyl tert-butyl ether	73	6.088	6.089	(0.616)	11175	2.00000	1.5	
20 Acetonitrile	39	6.599	6.577	(0.667)	653	10.0000	(aM)	M9
21 Di-isopropyl ether	45	6.959	6.960	(0.704)	12628	1.00000	0.70(a)	
22 Chloroprene	53	7.145	7.135	(0.723)	5305	1.00000	(a)	
23 Propionitrile	54	9.772	9.773	(0.988)	3914	10.0000	9.3(a)	
24 Methacrylonitrile	41	9.807	9.808	(0.992)	19925	10.0000	9.4(a)	

DJP 06/06

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 06-Jun-2011 15:03

	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	7.180	7.181	(0.726)	8164	1.00000	0.83(a)	
	26 Acrylonitrile	52	7.296	7.286	(0.738)	5172	5.00000	4.4(a)	
	27 Ethyl tertiary-butyl ether	59	7.808	7.797	(0.790)	9580	1.00000	0.85(a)	
	28 Vinyl Acetate	43	7.820	7.809	(0.741)	6917	1.00000	0.70(a)	
	29 cis-1,2-Dichloroethene	96	8.354	8.355	(0.845)	5473	1.00000	0.82(a)	
M	30 1,2-Dichloroethylene (total)	96				10817	1.00000	(a)	
	31 Methyl Methacrylate	41	11.377	11.366	(1.078)	2449	1.00000	0.77(a)	
	32 2,2-Dichloropropane	77	8.552	8.564	(0.865)	2685	1.00000	3.6	
	33 Bromochloromethane	128	8.715	8.715	(0.881)	3461	1.00000	1.1	
	34 Chloroform	83	8.877	8.878	(0.898)	7563	1.00000	0.75(a)	
	35 Carbon Tetrachloride	117	9.087	9.076	(0.861)	2663	1.00000	0.83(a)	
	36 Tetrahydrofuran	42	9.133	9.111	(0.924)	4750	5.00000	4.5(a)	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	4491	1.00000	0.81(a)	
	38 1,1,1-Trichloroethane	97	9.191	9.192	(0.929)	5699	1.00000	(a)	
	39 1,1-Dichloropropene	75	9.389	9.390	(0.890)	5068	1.00000	0.73(a)	
	40 2-Butanone	43	9.377	9.367	(0.948)	6324	5.00000	3.6(a)	
	41 Benzene	78	9.738	9.739	(0.923)	14545	1.00000	0.82(a)	
*	42 Pentafluorobenzene	168	9.889	9.890	(1.000)	387929	50.0000		
	43 Cyclohexane	56	8.726	8.727	(0.882)	7044	1.00000	0.86(a)	
	44 Ethyl Methacrylate	69	12.923	12.924	(1.225)	2949	1.00000	0.63(a)	
$	45 1,2-Dichloroethane-D4	65	9.924	9.925	(1.004)	4193	1.00000	0.86(a)	
	46 Tertiary-amyl methyl ether	73	9.935	9.936	(1.005)	8224	1.00000	0.87(a)	
	47 1,2-Dichloroethane	62	10.017	10.018	(0.949)	5891	1.00000	0.91(a)	
	48 Trichloroethene	95	10.505	10.506	(0.996)	4579	1.00000	0.92(a)	
*	49 1,4-Difluorobenzene	114	10.551	10.552	(1.000)	545103	50.0000		
	50 Dibromomethane	93	10.981	10.982	(1.041)	3525	1.00000	1.1	
	51 1,2-Dichloropropane	63	11.098	11.099	(1.052)	4276	1.00000	0.99(aM)	M6
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	4786	1.00000	0.72(aM)	M6
	53 cis-1,3-dichloropropene	75	11.911	11.912	(1.129)	5988	1.00000	0.82(a)	
	54 1,4-Dioxane	88	11.423	11.412	(1.083)	468	20.0000	14.9(a)	
$	55 Toluene-D8	98	12.144	12.145	(1.151)	12893	1.00000	0.90(a)	
	56 2-Chloroethylvinylether	63	11.853	11.843	(1.123)	833	1.00000	(aM)	M6
	57 Toluene	92	12.213	12.214	(1.158)	10552	1.00000	0.94(a)	
	58 4-methyl-2-pentanone	43	12.678	12.679	(1.202)	12592	5.00000	2.1(a)	
	59 Tetrachloroethene	164	12.690	12.691	(0.900)	4330	1.00000	0.80(a)	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	5063	1.00000	0.89(a)	
	61 1,1,2-Trichloroethane	83	12.923	12.924	(1.225)	2517	1.00000	0.90(a)	
	62 Dibromochloromethane	129	13.143	13.144	(0.932)	3769	1.00000	6.2	
	63 1,3-Dichloropropane	76	13.260	13.261	(0.941)	5277	1.00000	0.69(a)	
	64 1,2-Dibromoethane	107	13.446	13.447	(1.274)	4095	1.00000	0.96(aM)	M6
	65 2-Hexanone	43	13.725	13.726	(0.974)	8229	5.00000	3.4(a)	
*	66 Chlorobenzene-D5	117	14.097	14.098	(1.000)	473648	50.0000		
	67 Chlorobenzene	112	14.120	14.121	(1.002)	13025	1.00000	0.92(a)	
	68 1-Chlorohexane	91	14.085	14.086	(0.999)	7492	1.00000	0.92(a)	
	69 Ethylbenzene	106	14.155	14.156	(1.004)	6096	1.00000	0.81(a)	
	70 1,1,1,2-Tetrachloroethane	131	14.201	14.202	(1.007)	3390	1.00000	4.6	
M	71 Xylenes (total)	106				22401	1.00000	(a)	
	72 m+p-Xylenes	106	14.341	14.342	(1.017)	15427	2.00000	1.8(a)	
	73 o-Xylene	106	14.910	14.911	(1.058)	6974	1.00000	0.78(a)	
	74 Styrene	104	14.968	14.981	(1.062)	11541	1.00000	0.78(a)	
	75 Bromoform	173	15.015	15.016	(1.065)	2430	1.00000	5.5(T)	
	76 Isopropylbenzene	105	15.329	15.330	(0.888)	16632	1.00000	0.89(a)	
$	77 P-Bromofluorobenzene	95	15.712	15.713	(1.489)	6550	1.00000	1.2	
	78 cis-1,4-Dichloro-2-Butene	53	15.782	15.783	(0.914)	587	1.00000	3.6	

DTP 6/6/11

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.212	16.225	(0.939)	539	1.00000	3.0	
80 Bromobenzene	156	15.863	15.864	(0.919)	5925	1.00000	1.00	
81 N-Propylbenzene	91	15.887	15.888	(0.920)	21477	1.00000	0.93(a)	
82 1,1,2,2-Tetrachloroethane	83	15.968	15.969	(0.925)	3698	1.00000	0.91(a)	
83 1,3,5-Trimethylbenzene	105	16.154	16.155	(0.935)	15946	1.00000	0.96(a)	
84 2-Chlorotoluene	91	16.108	16.109	(0.933)	14749	1.00000	1.0	
85 1,2,3-Trichloropropane	75	16.166	16.167	(0.936)	2567	1.00000	0.87(a)	
86 4-Chlorotoluene	91	16.340	16.341	(0.946)	14864	1.00000	1.0	
87 tert-Butylbenzene	119	16.607	16.608	(0.962)	15794	1.00000	0.92(a)	
88 Pentachloroethane	117	16.631	16.632	(0.963)	3263	1.00000	0.91(a)	
89 1,2,4-Trimethylbenzene	105	16.700	16.701	(0.967)	16268	1.00000	0.98(a)	
90 P-Isopropyltoluene	119	17.061	17.062	(0.988)	15183	1.00000	0.88(a)	
91 1,3-Dichlorobenzene	146	17.177	17.178	(0.995)	10505	1.00000	1.0	
* 92 1,4-Dichlorobenzene-D4	152	17.270	17.283	(1.000)	238580	50.0000		
93 1,4-Dichlorobenzene	146	17.293	17.306	(1.001)	11316	1.00000	1.2	
94 N-Butylbenzene	91	17.665	17.666	(1.023)	11321	1.00000	0.76(a)	
95 sec-Butylbenzene	105	16.852	16.864	(0.976)	20801	1.00000	0.95(a)	
96 1,2-Dichlorobenzene	146	17.909	17.910	(1.037)	9360	1.00000	1.0	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.106)	456	1.00000	0.76(a)	
98 1,3,5-Trichlorobenzene	180	19.153	19.154	(1.109)	6913	1.00000	0.94(a)	
99 Hexachlorobutadiene	225	20.095	20.096	(1.164)	3666	1.00000	1.0	
100 1,2,4-Trichlorobenzene	180	20.130	20.131	(1.166)	2875	1.00000	(a)	
101 1,2,3-Trimethylbenzene	105	17.328	17.329	(1.003)	15225	1.00000	0.98(a)	
102 Naphthalene	128	20.641	20.642	(1.195)	2154	1.00000	1.6	
103 1,2,3-Trichlorobenzene	180	20.932	20.921	(1.212)	2431	1.00000	(a)	
104 Methyl Acetate	43	5.902	5.891	(0.597)	3020	1.00000	0.89(a)	
105 Methylcyclohexane	83	10.493	10.494	(1.061)	6762	1.00000	0.81(a)	
M 106 Total Alkylbenzenes	100				116790	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-t.i\T052411B.b\T2297.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2297.D
Lab Smp Id: VSTD001T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

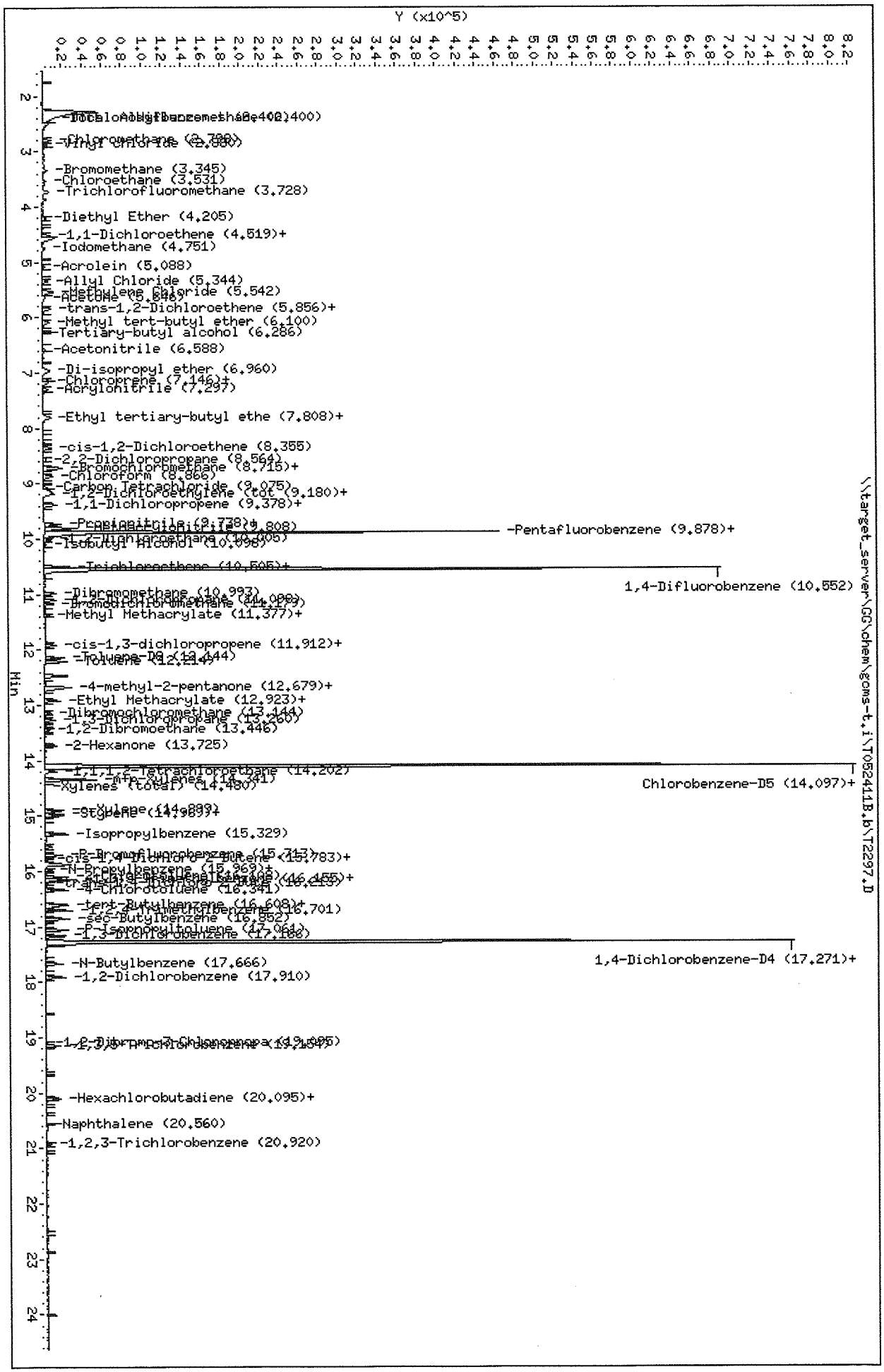
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	387929	-5.27
49 1,4-Difluorobenze	637773	318887	1275546	545103	-14.53
66 Chlorobenzene-D5	477924	238962	955848	473648	-0.89
92 1,4-Dichlorobenze	274556	137278	549112	238580	-13.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.00
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.00
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	-0.00
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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.

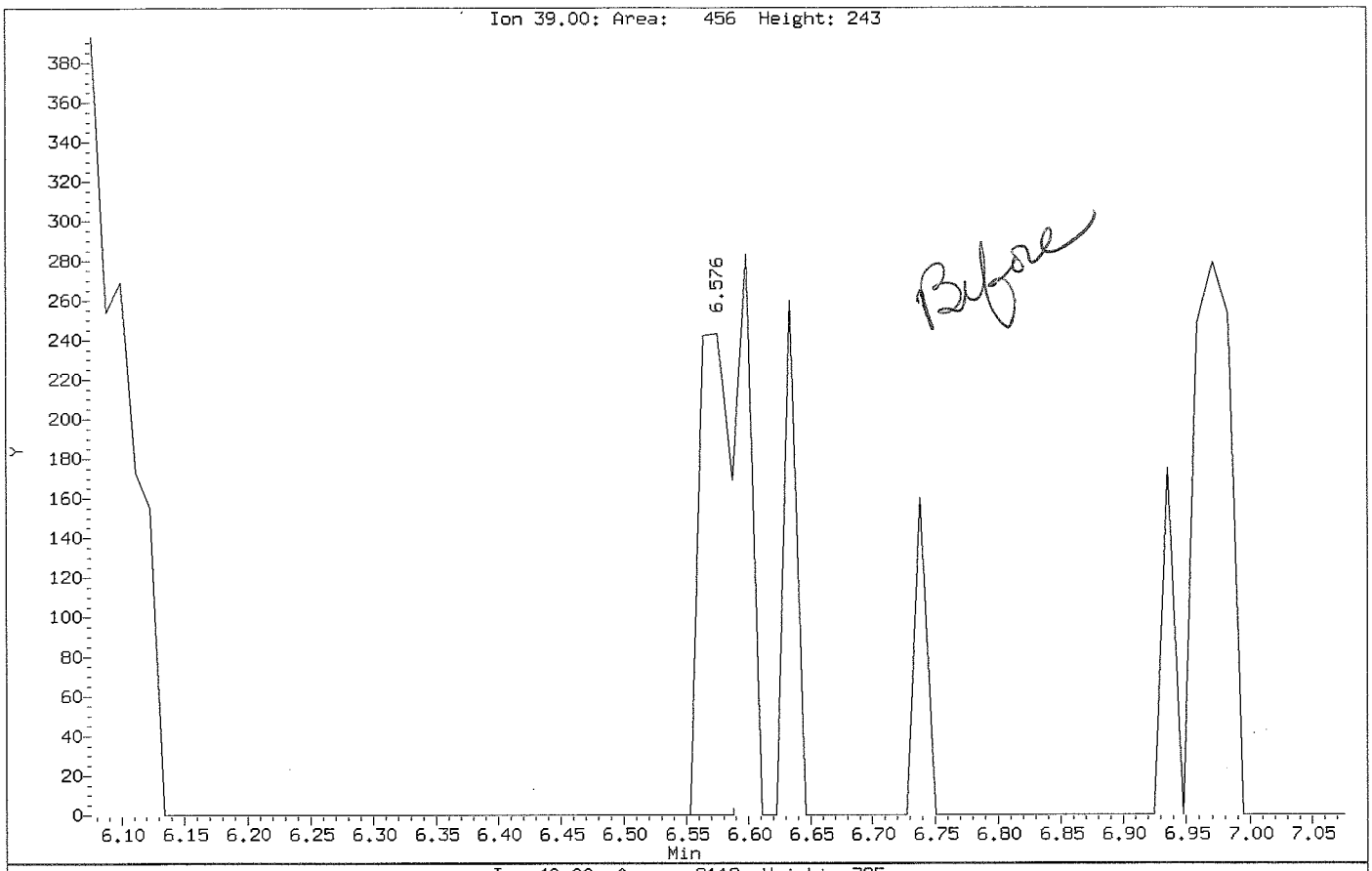
Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\T2297.D
Date : 24-MAY-2011 16:10
Client ID:
Sample Info: VSTD001T24A
Purge Volume: 5.0
Column phase: RTX-VMS

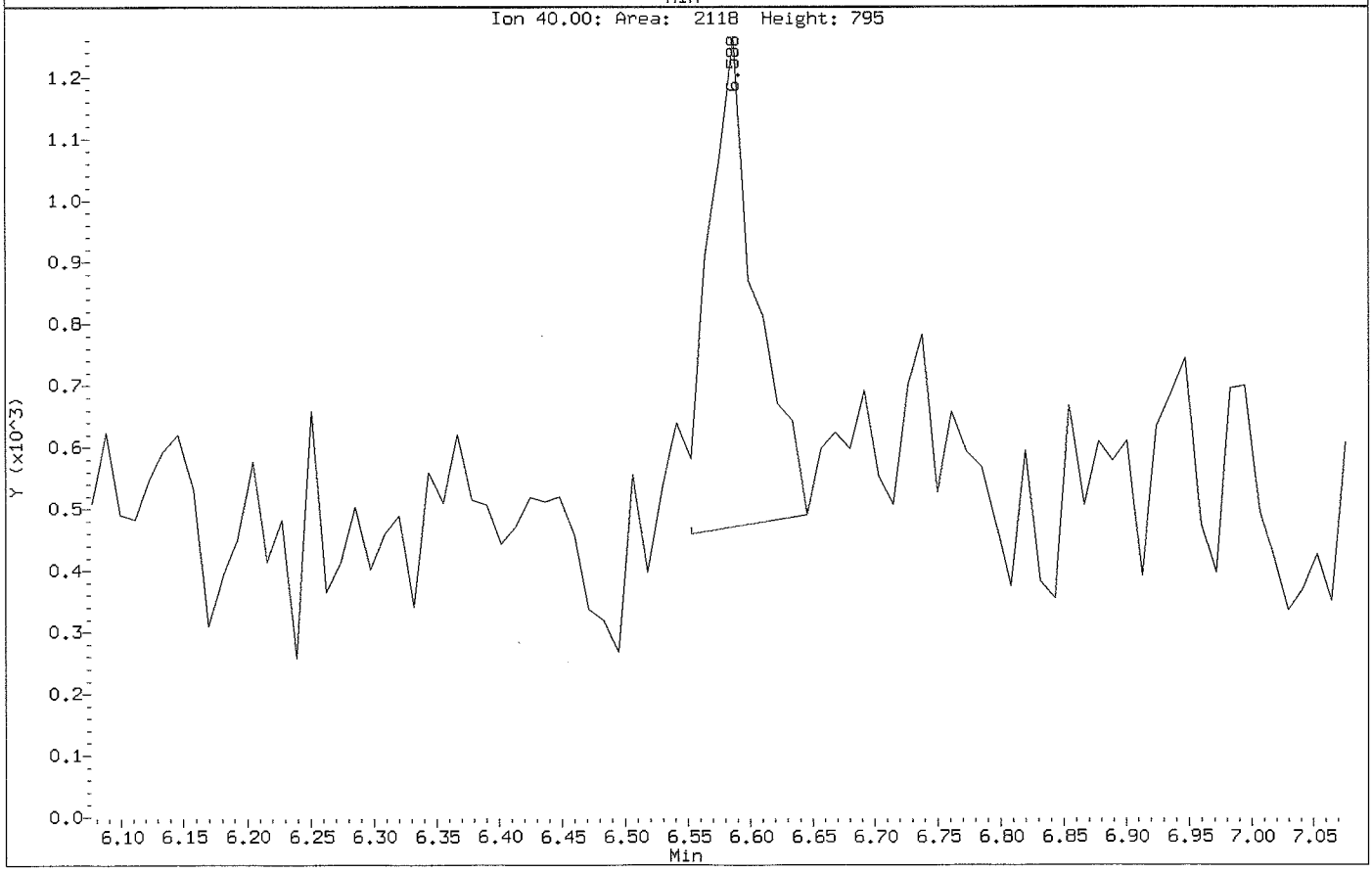
Instrument: gcms-t.i
Operator: DMM
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2297.D
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8





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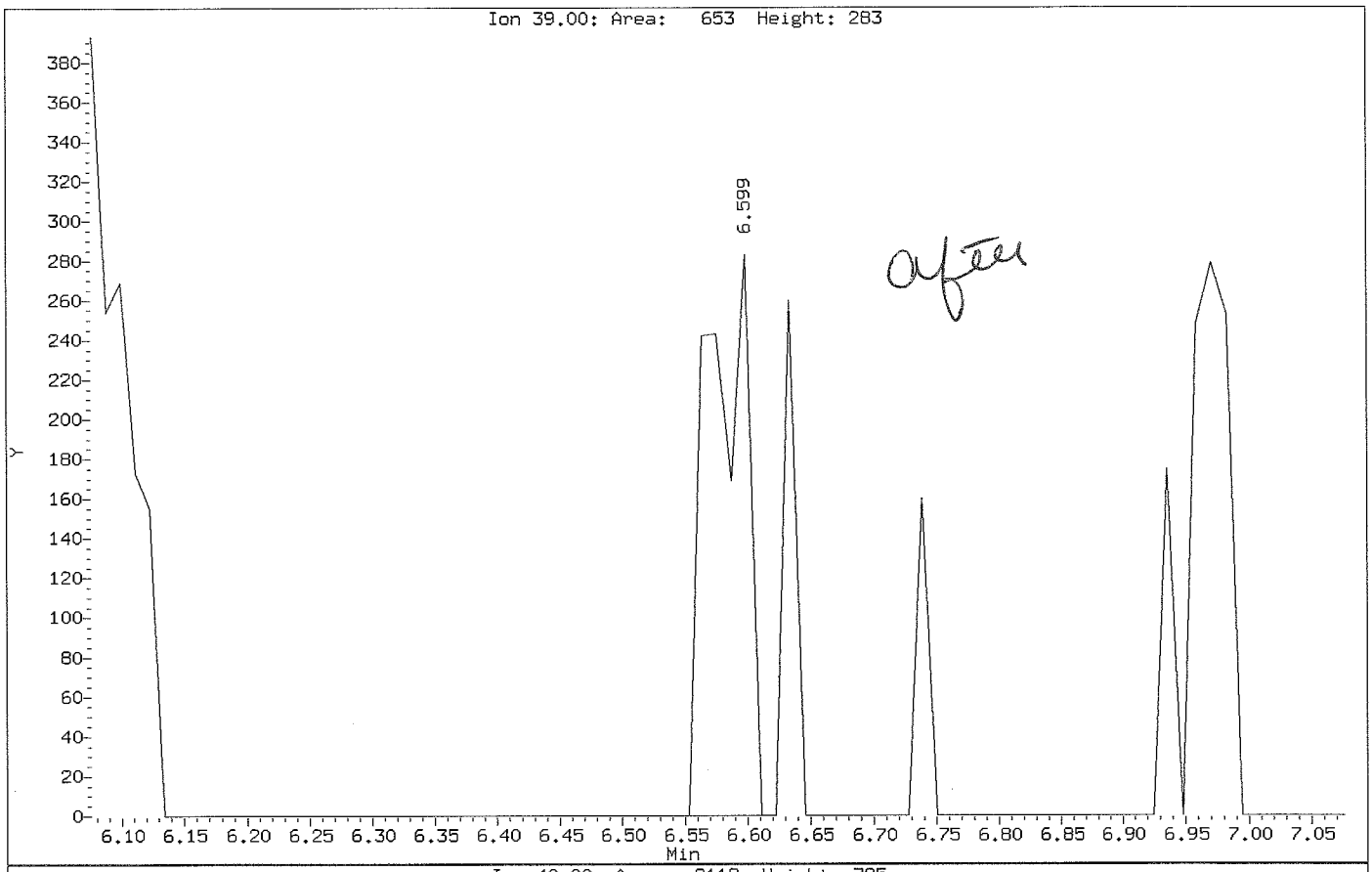
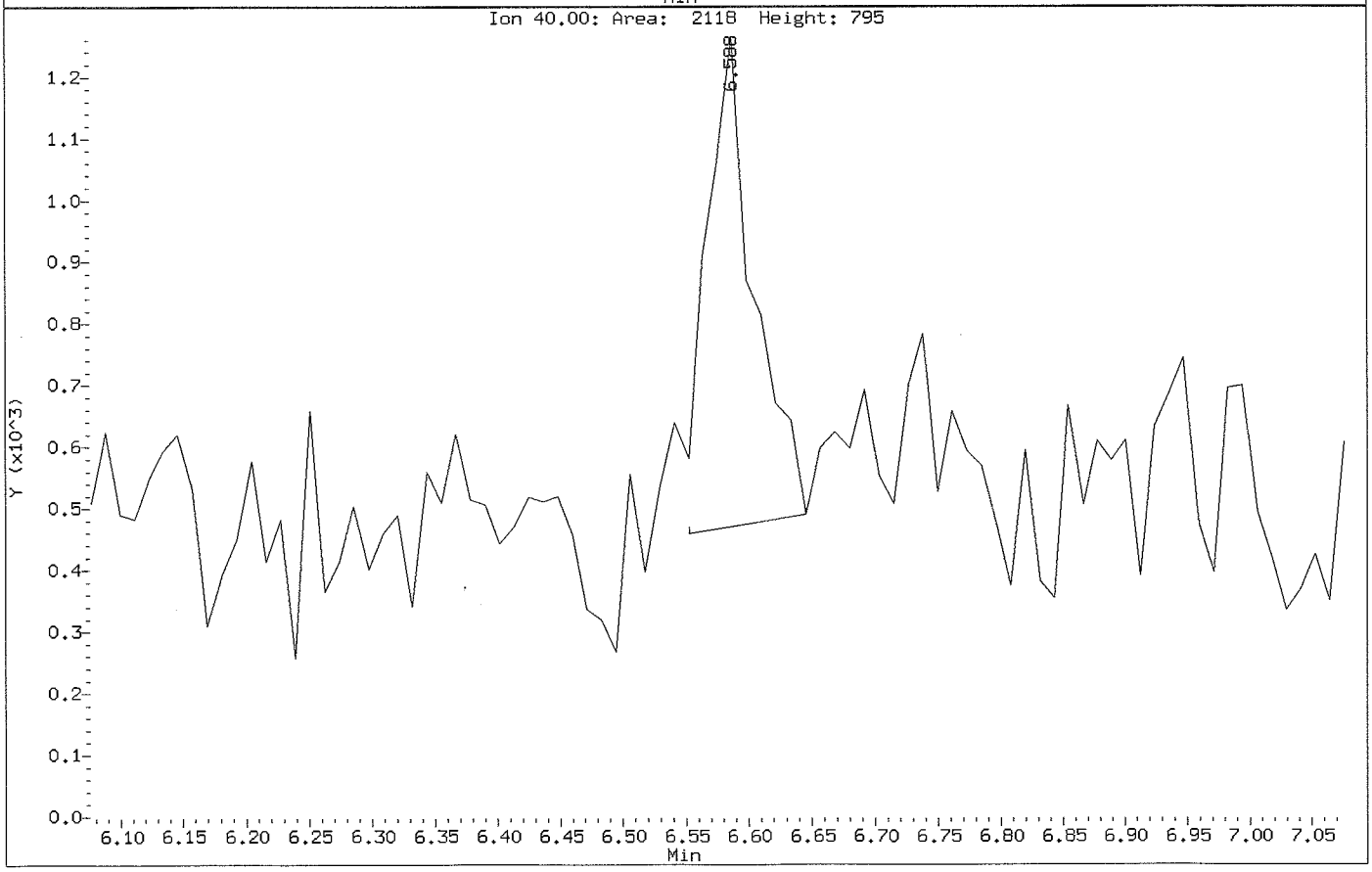
Instrument: gcms-t.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8





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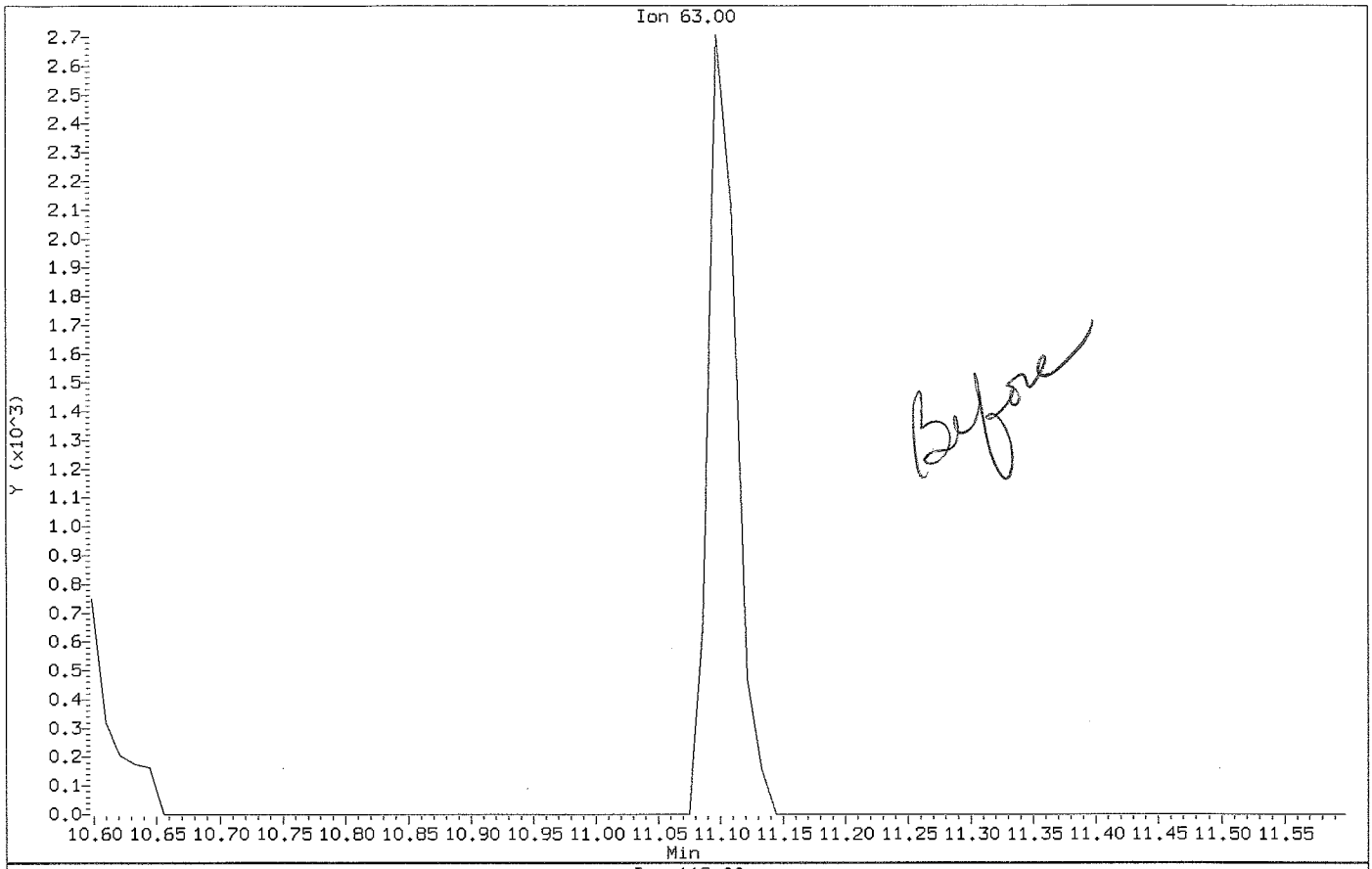
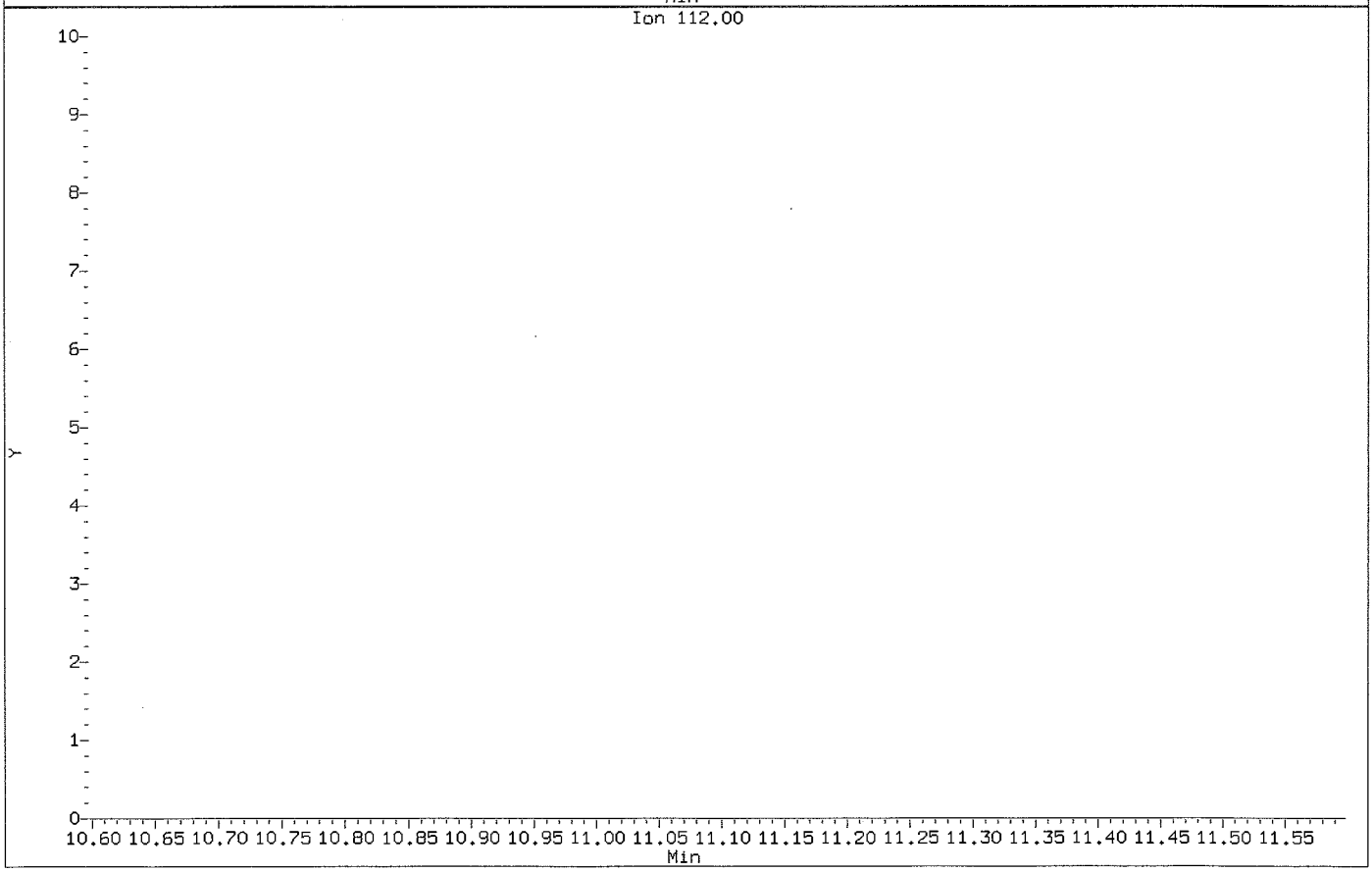
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5





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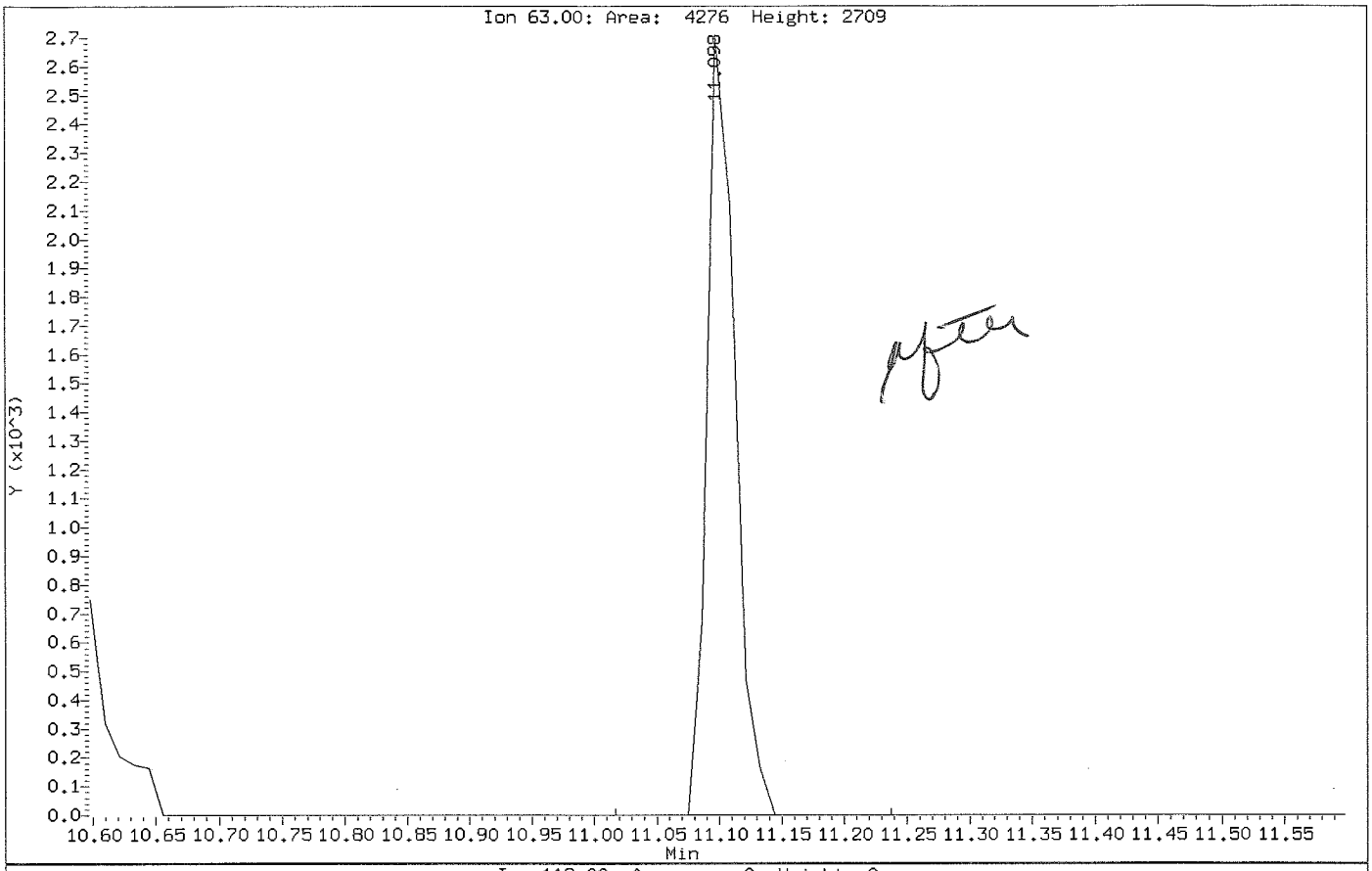
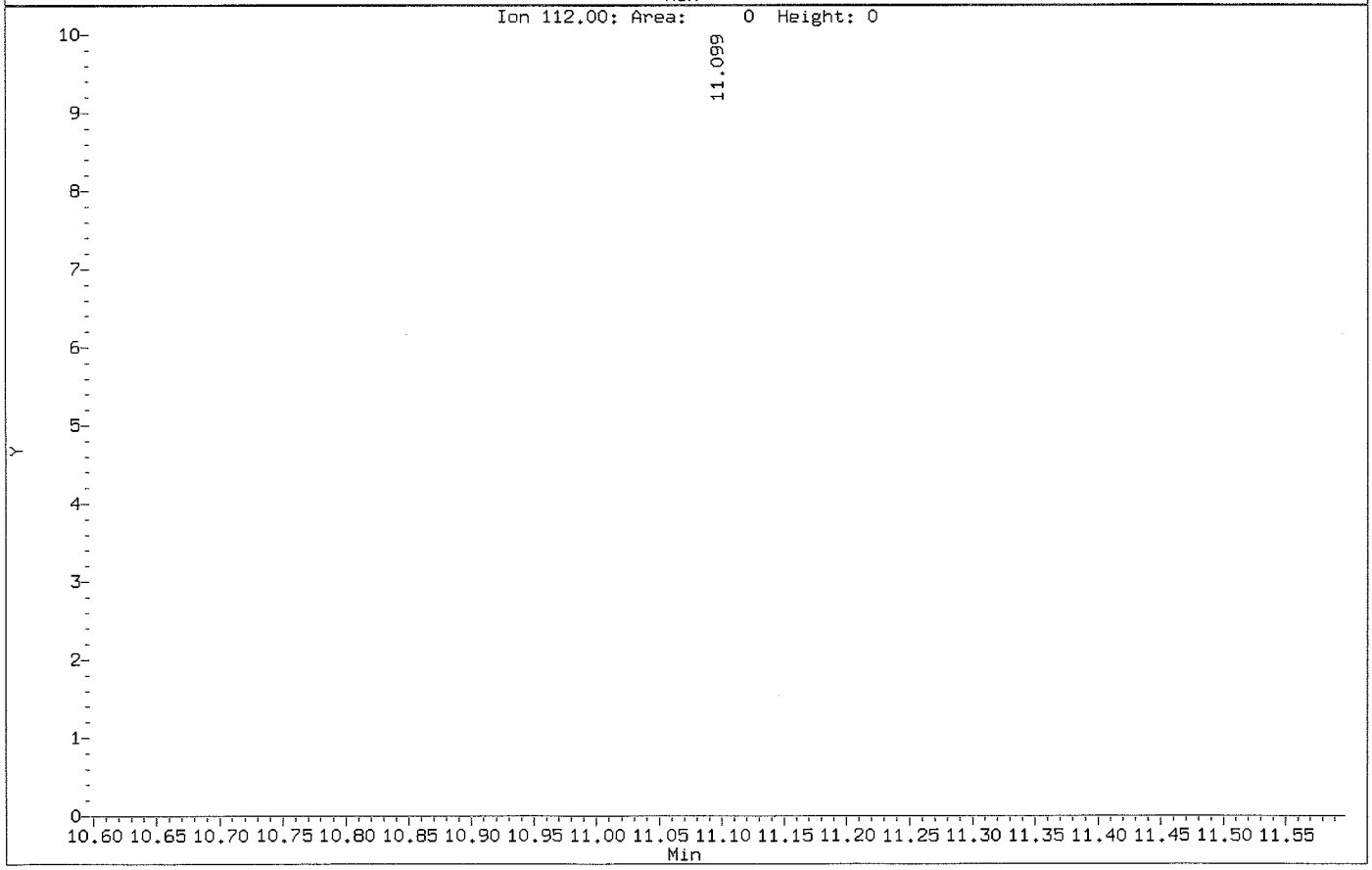
Client Sample ID:

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5





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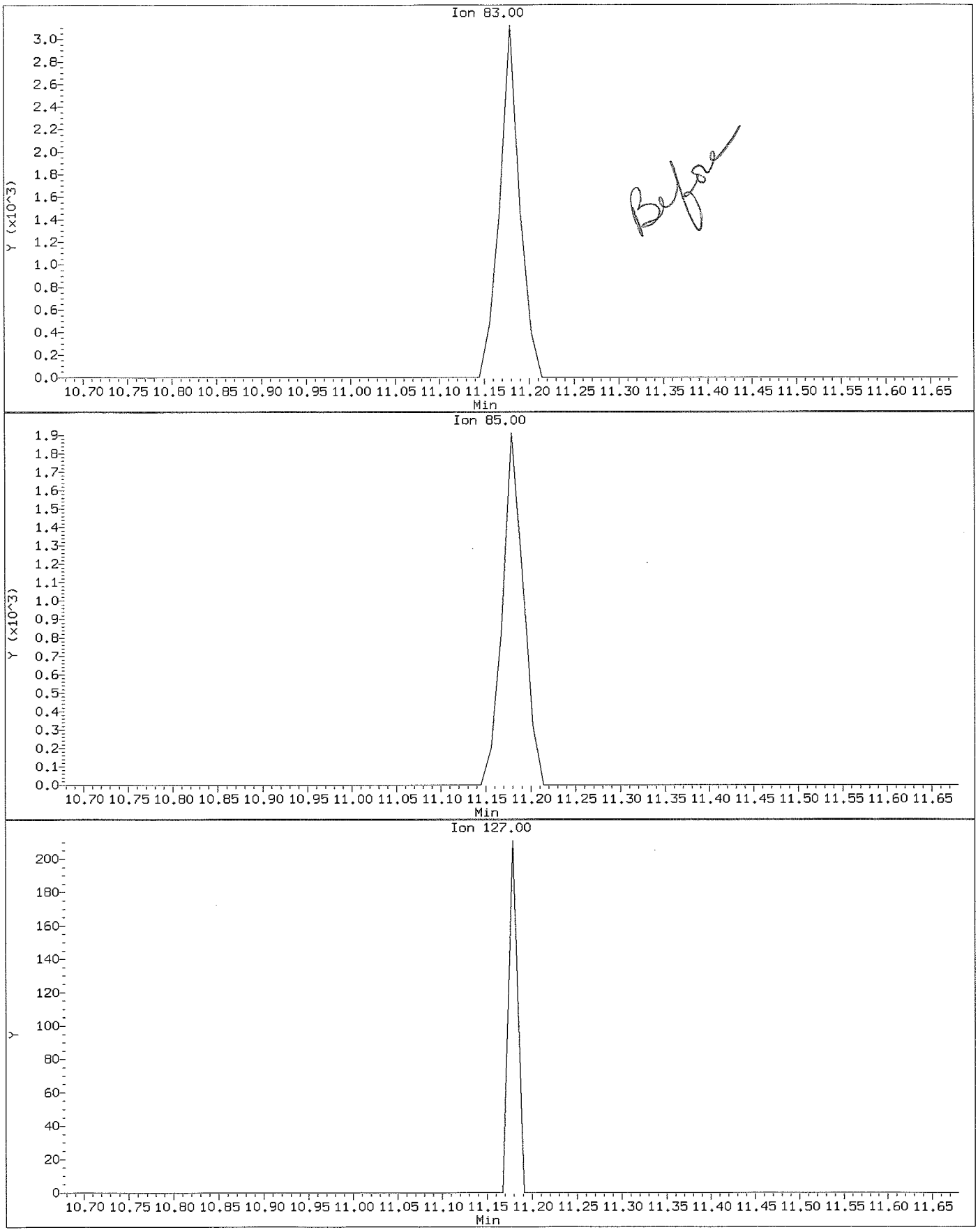
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: Bromodichloromethane
CAS Number: 75-27-4



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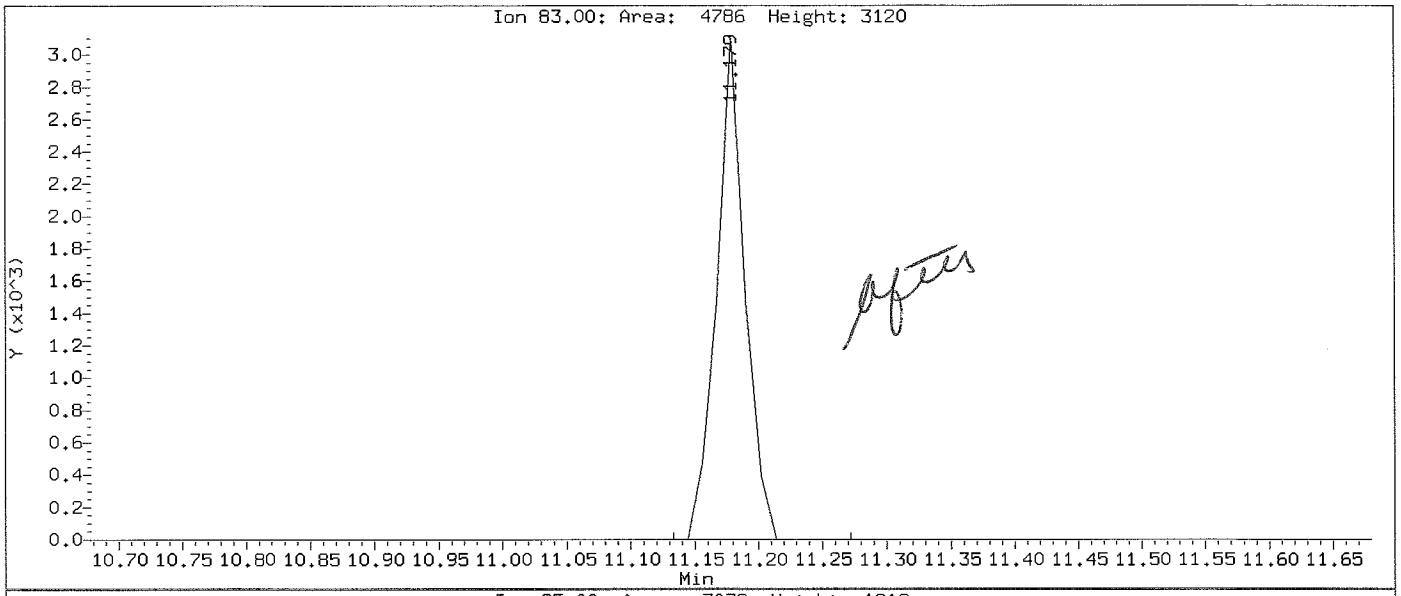
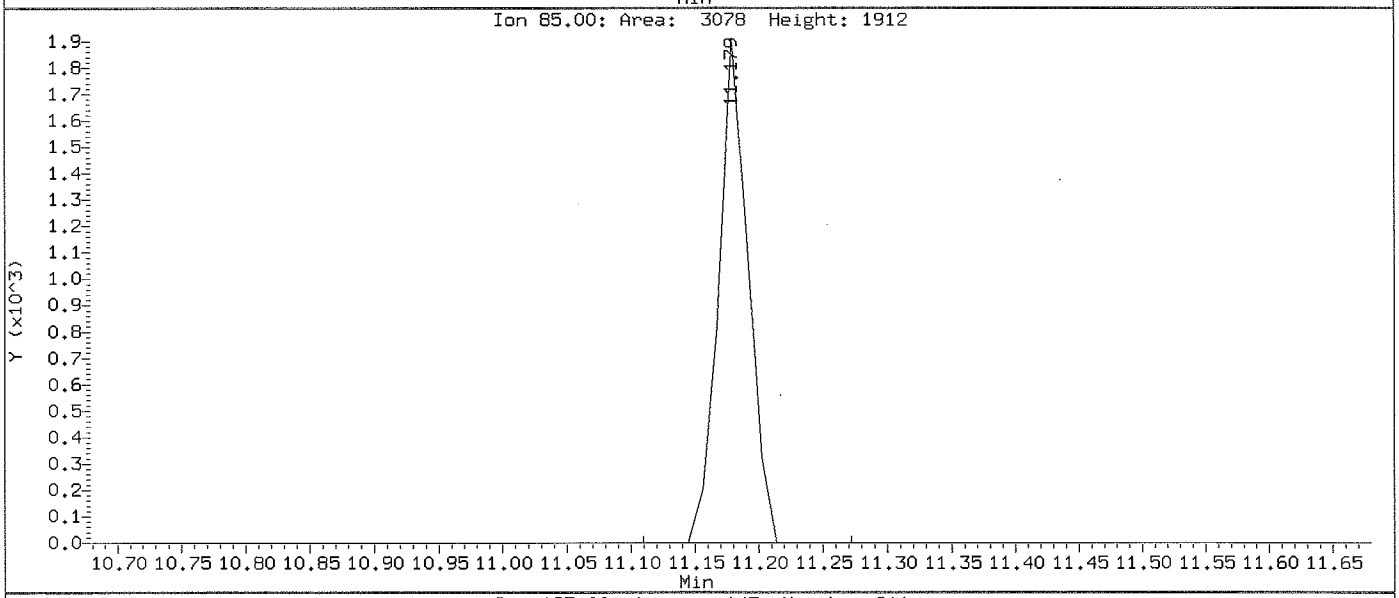
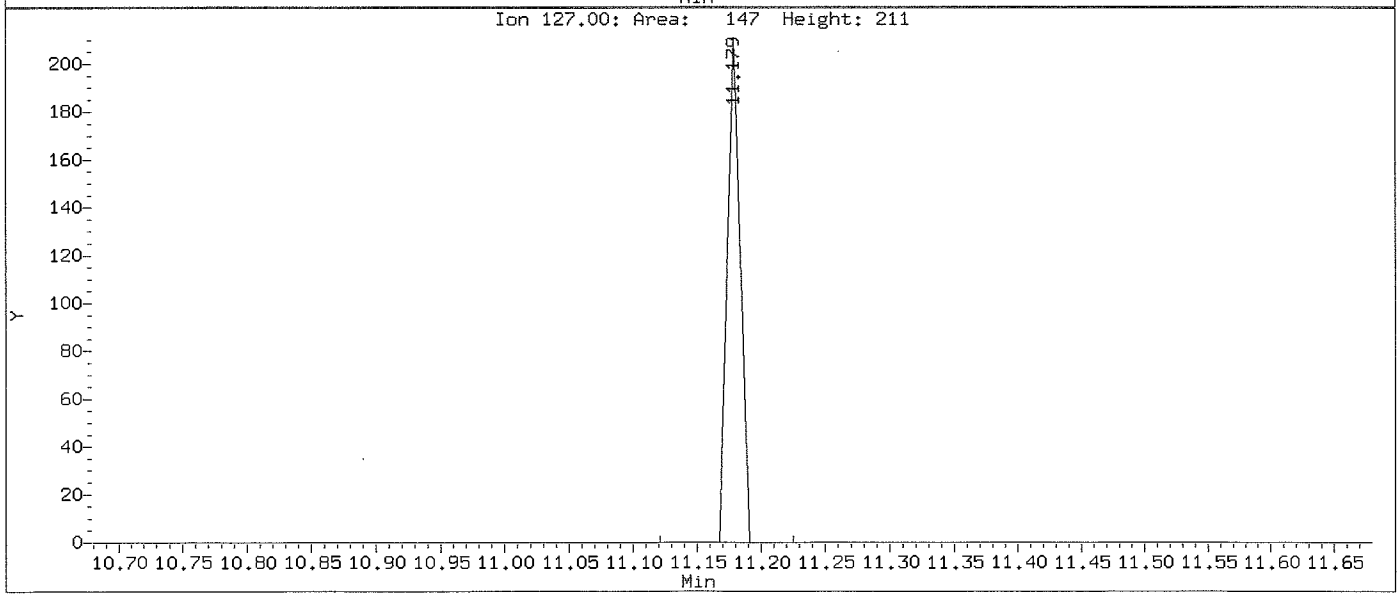
Instrument: gcms-t.i
Client Sample ID:

Compound: Bromodichloromethane
CAS Number: 75-27-4







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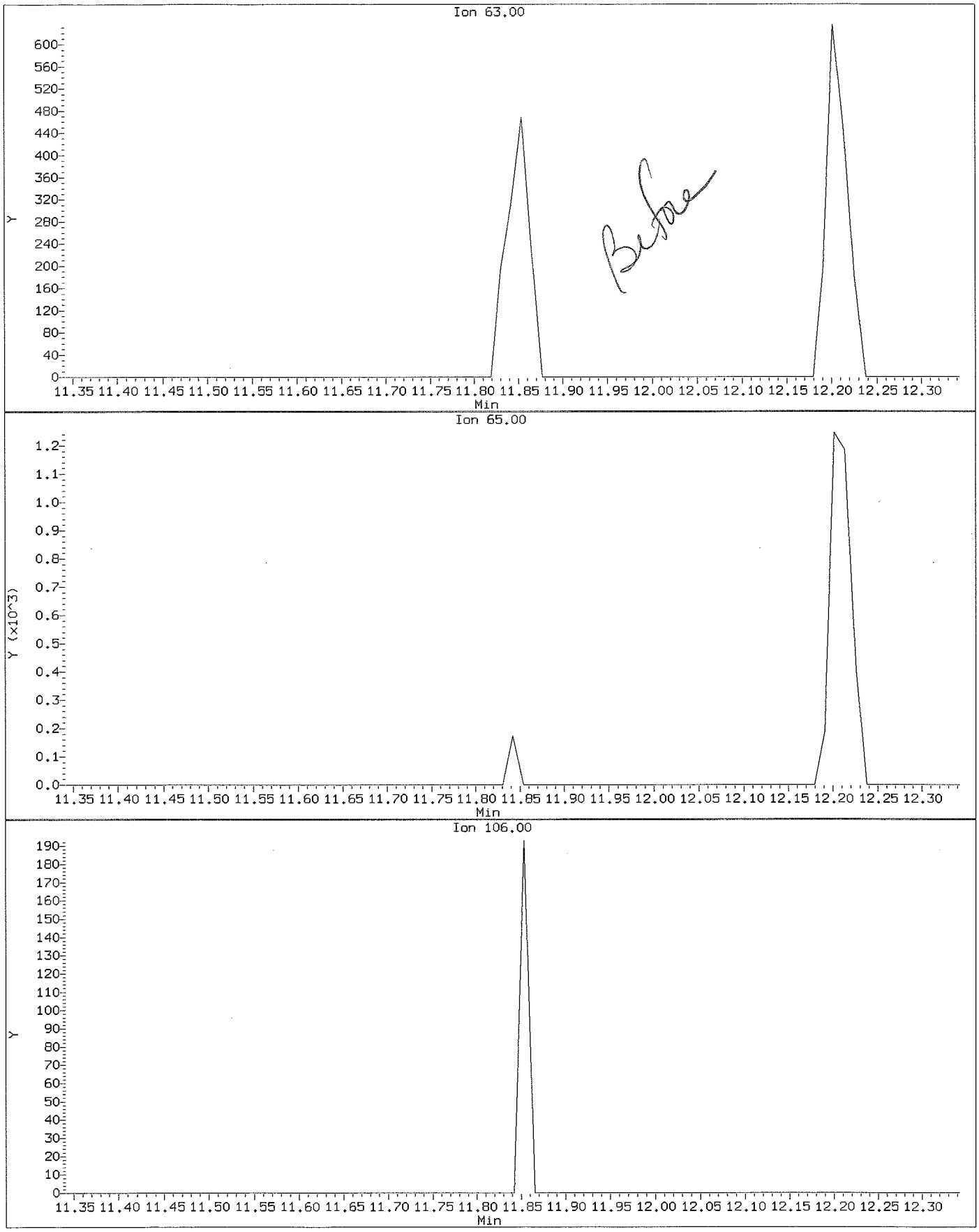
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: 2-Chloroethylvinylether
CAS Number: 110-75-8



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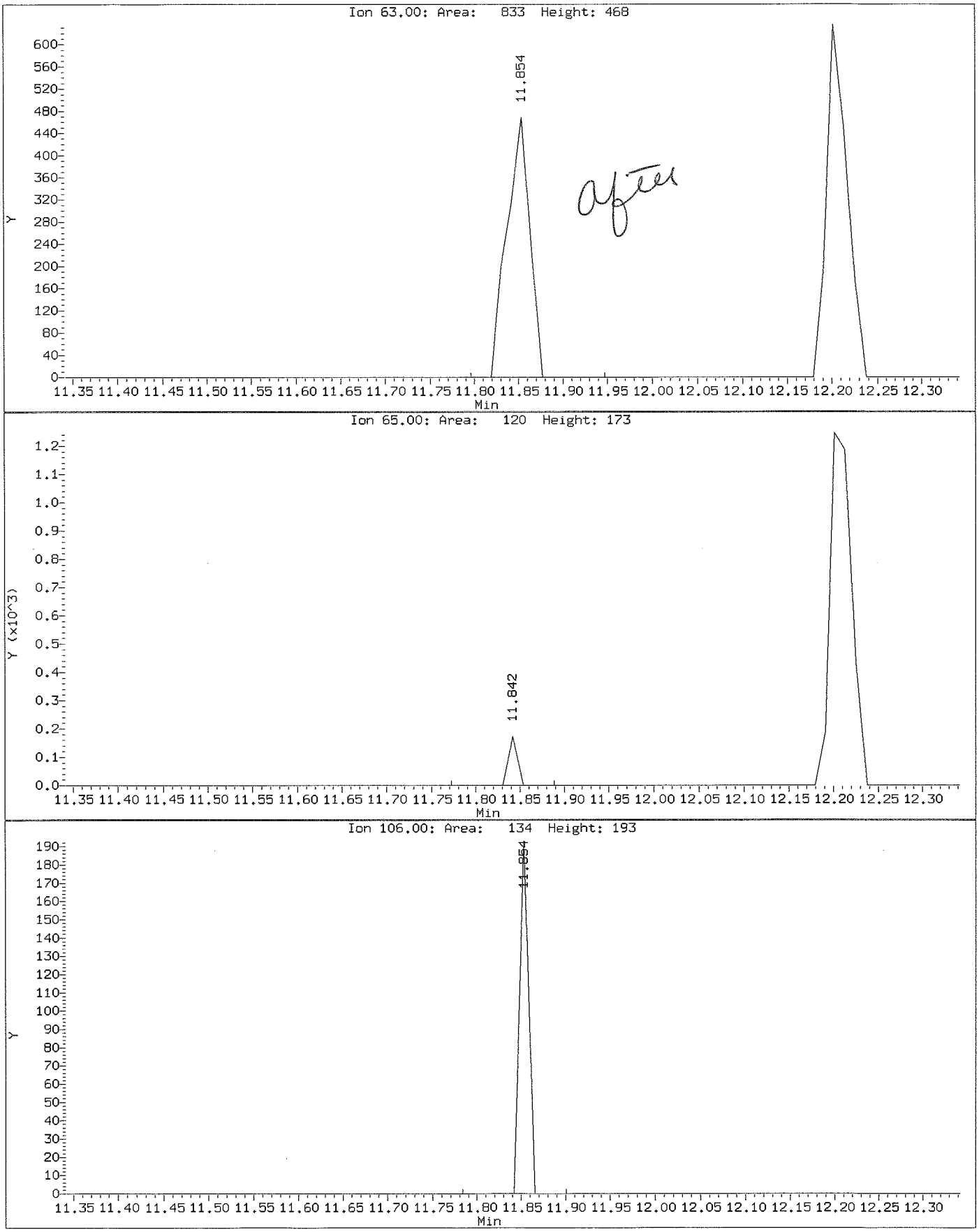
Instrument: gcms-t.i
Client Sample ID:

Compound: 2-Chloroethylvinylether
CAS Number: 110-75-8



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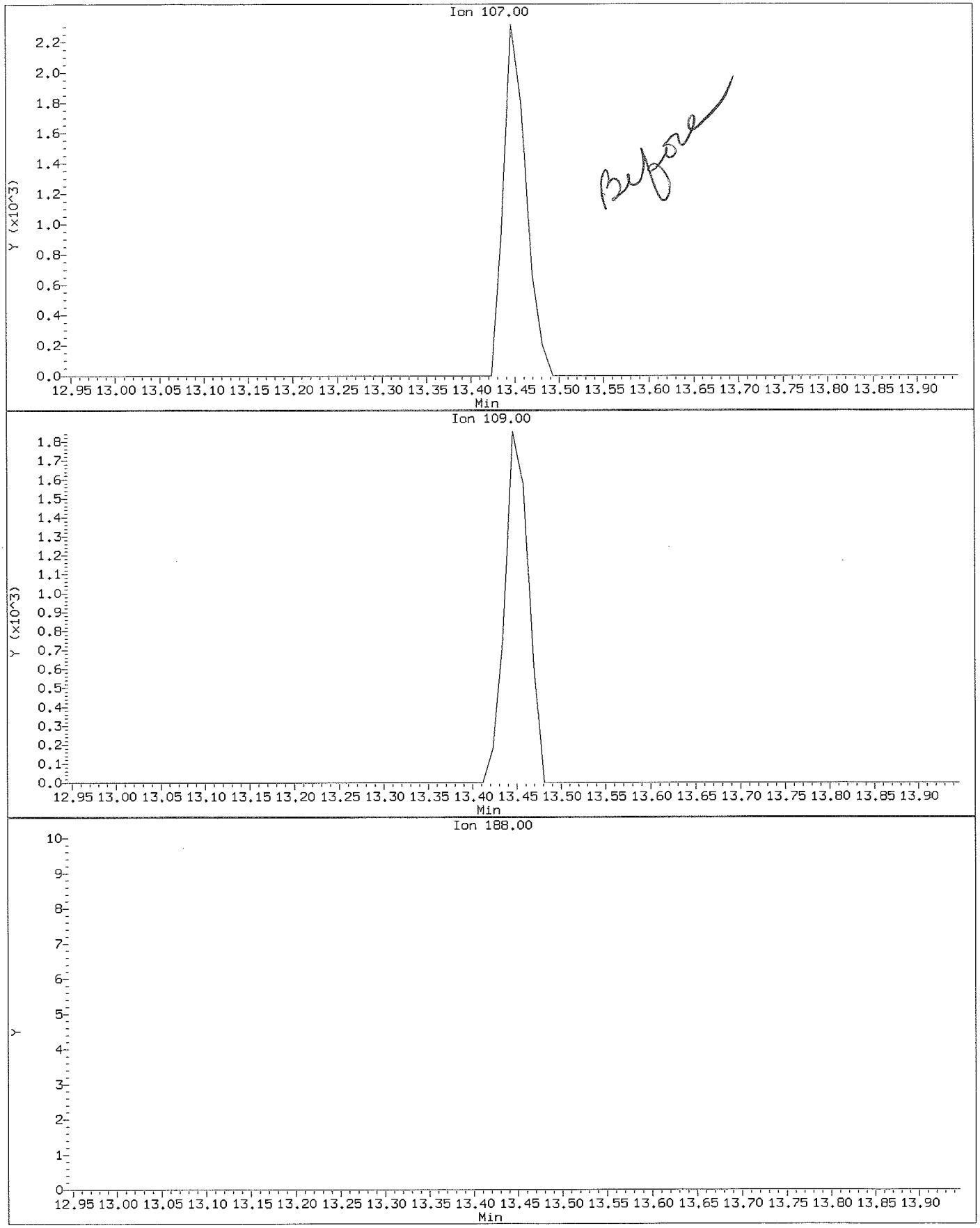
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



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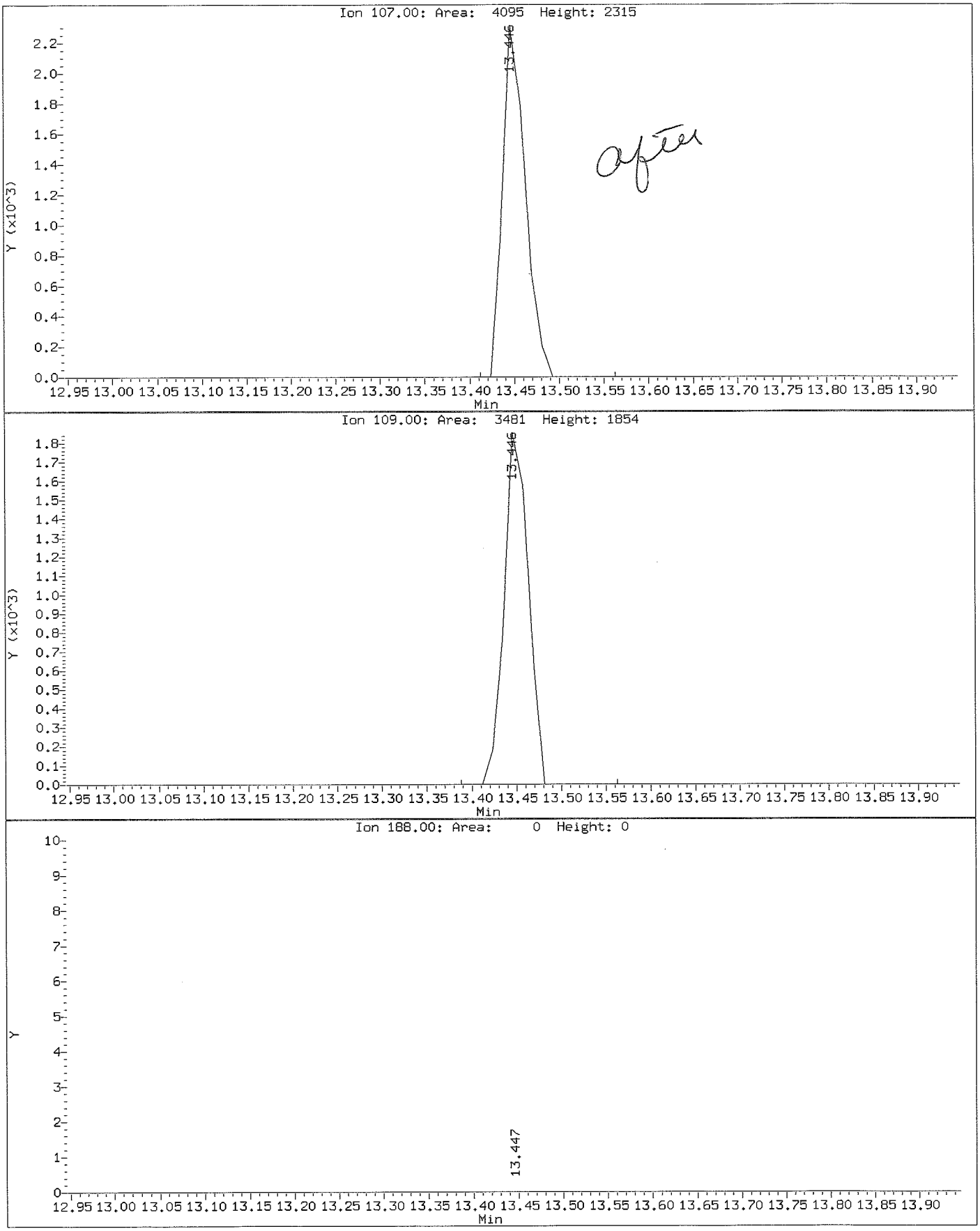
Injection Date: 24-MAY-2011 16:10
Instrument: gcms-t.i
Client Sample ID:

Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Lab Smp Id: IND CHECK
Inj Date : 24-MAY-2011 17:55 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : IND CHECK
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 7 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	2.490	2.497	(0.252)	487437	66.6676	66.7(R)	
2 Chloromethane	50	2.781	2.787	(0.281)	473463	54.3860	54.4	
3 Vinyl chloride	62	2.874	2.880	(0.291)	378424	55.0580	55.0	
4 Bromomethane	94	3.339	3.334	(0.338)	165523	49.0224	49.0	
5 Chloroethane	64	3.525	3.520	(0.357)	148489	56.5976	56.6	
6 Trichlorofluoromethane	101	3.722	3.729	(0.377)	467046	49.7777	49.8	
7 Diethyl Ether	59	4.199	4.205	(0.425)	180759	44.4045	44.4	
8 Tertiary-butyl alcohol	59	6.291	6.298	(0.637)	56237	208.509	208	
9 1,1-Dichloroethene	96	4.513	4.519	(0.457)	303885	50.5052	50.5	
10 Carbon Disulfide	76	4.559	4.554	(0.461)	865060	45.4335	45.4	
11 Freon-113	151	4.583	4.589	(0.464)	214379	42.9074	42.9	
12 Iodomethane	142	4.745	4.752	(0.480)	459634	47.1182	47.1	
13 Acrolein	56	5.071	5.077	(0.513)	167403	232.848	233	
14 Methylene Chloride	84	5.524	5.531	(0.559)	325254	51.0884	51.1	
15 Acetone	43	5.617	5.624	(0.568)	99012	57.0590	57.0	
16 Isobutyl Alcohol	43	10.093	10.087	(1.021)	99334	922.924	923	
17 trans-1,2-Dichloroethene	96	5.838	5.844	(0.591)	330650	48.6655	48.7	
18 Allyl Chloride	41	5.327	5.333	(0.539)	364887	44.4167	44.4	
19 Methyl tert-butyl ether	73	6.082	6.089	(0.615)	689720	90.4864	90.5	
20 Acetonitrile	39	6.559	6.577	(0.664)	47761	442.129	442	
21 Di-isopropyl ether	45	6.954	6.960	(0.704)	862959	46.7265	46.7	
22 Chloroprene	53	7.128	7.135	(0.721)	371271	43.6350	43.6	
23 Propionitrile	54	9.767	9.773	(0.988)	197415	439.630	440	
24 Methacrylonitrile	41	9.802	9.808	(0.992)	1025571	453.470	453	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

	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	7.175	7.181	(0.726)	507371	49.1815	49.2	
	26 Acrylonitrile	52	7.279	7.286	(0.737)	271795	218.793	219	
	27 Ethyl tertiary-butyl ether	59	7.791	7.797	(0.788)	520287	43.9001	43.9	
	28 Vinyl Acetate	43	7.803	7.809	(0.740)	546825	50.5997	50.6	
	29 cis-1,2-Dichloroethene	96	8.349	8.355	(0.845)	333558	47.8231	47.8	
M	30 1,2-Dichloroethylene (total)	96				664208	96.4886	96.5	
	31 Methyl Methacrylate	41	11.371	11.366	(1.078)	160451	45.6200	45.6	
	32 2,2-Dichloropropane	77	8.558	8.564	(0.866)	236635	41.6271	41.6	
	33 Bromochloromethane	128	8.709	8.715	(0.881)	165649	46.7360	46.7	
	34 Chloroform	83	8.872	8.878	(0.898)	511284	49.3150	49.3	
	35 Carbon Tetrachloride	117	9.070	9.076	(0.860)	330124	46.9743	47.0	
	36 Tetrahydrofuran	42	9.116	9.111	(0.922)	56564	50.4574	50.4	
$	37 Dibromofluoromethane	113	9.163	9.169	(0.927)	244531	42.1669	42.2	
	38 1,1,1-Trichloroethane	97	9.186	9.192	(0.929)	431215	47.2757	47.3	
	39 1,1-Dichloropropene	75	9.383	9.390	(0.890)	387104	50.7881	50.8	
	40 2-Butanone	43	9.360	9.367	(0.947)	97767	54.4487	54.4	
	41 Benzene	78	9.732	9.739	(0.923)	985460	49.7955	49.8	
*	42 Pentafluorobenzene	168	9.883	9.890	(1.000)	417431	50.0000		
	43 Cyclohexane	56	8.721	8.727	(0.882)	414927	48.3053	48.3	
	44 Ethyl Methacrylate	69	12.917	12.924	(1.225)	202190	42.6523	42.6	
$	45 1,2-Dichloroethane-D4	65	9.918	9.925	(1.004)	204816	40.1884	40.2	
	46 Tertiary-amyl methyl ether	73	9.930	9.936	(1.005)	451507	45.4588	45.4	
	47 1,2-Dichloroethane	62	10.011	10.018	(0.949)	350175	47.4944	47.5	
	48 Trichloroethene	95	10.499	10.506	(0.996)	273292	48.1017	48.1	
*	49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	628934	50.0000		
	50 Dibromomethane	93	10.988	10.982	(1.042)	184525	48.8032	48.8	
	51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	248398	50.0333	50.0	
	52 Bromodichloromethane	83	11.174	11.180	(1.060)	373858	50.9991	51.0	
	53 cis-1,3-dichloropropene	75	11.918	11.912	(1.130)	419190	51.0840	51.1	
	54 1,4-Dioxane	88	11.406	11.412	(1.082)	27120	779.875	780(R)	
$	55 Toluene-D8	98	12.138	12.145	(1.151)	671347	41.3017	41.3	
	56 2-Chloroethylvinylether	63	11.848	11.843	(1.123)	41854	53.1842	53.2	
	57 Toluene	92	12.208	12.214	(1.158)	618931	48.4270	48.4	
	58 4-methyl-2-pentanone	43	12.673	12.679	(1.202)	178287	47.2786	47.3	
	59 Tetrachloroethene	164	12.685	12.691	(0.900)	265500	49.7179	49.7	
	60 trans-1,3-Dichloropropene	75	12.720	12.726	(1.206)	349906	54.4396	54.4	
	61 1,1,2-Trichloroethane	83	12.917	12.924	(1.225)	160468	50.7704	50.8	
	62 Dibromochloromethane	129	13.150	13.144	(0.933)	287487	43.2460	43.2	
	63 1,3-Dichloropropane	76	13.266	13.261	(0.941)	365680	49.1165	49.1	
	64 1,2-Dibromoethane	107	13.440	13.447	(1.274)	239504	49.1161	49.1	
	65 2-Hexanone	43	13.719	13.726	(0.974)	124165	52.5366	52.5	
*	66 Chlorobenzene-D5	117	14.091	14.098	(1.000)	485875	50.0000		
	67 Chlorobenzene	112	14.114	14.121	(1.002)	664018	46.5858	46.6	
	68 1-Chlorohexane	91	14.080	14.086	(0.999)	370477	44.8794	44.9	
	69 Ethylbenzene	106	14.149	14.156	(1.004)	350683	46.9917	47.0	
	70 1,1,1,2-Tetrachloroethane	131	14.196	14.202	(1.007)	262912	44.1821	44.2	
M	71 Xylenes (total)	106				1237774	139.672	140	
	72 m+p-Xylenes	106	14.335	14.342	(1.017)	812030	91.7464	91.7	
	73 o-Xylene	106	14.905	14.911	(1.058)	425744	47.9257	47.9	
	74 Styrene	104	14.975	14.981	(1.063)	696457	47.7299	47.7	
	75 Bromoform	173	15.010	15.016	(1.065)	186630	42.7706	42.8	
	76 Isopropylbenzene	105	15.323	15.330	(0.888)	1083761	51.9825	52.0	
$	77 P-Bromofluorobenzene	95	15.707	15.713	(1.489)	260358	38.7827	38.8	
	78 cis-1,4-Dichloro-2-Butene	53	15.777	15.783	(0.914)	55518	39.9710	40.0(R)	

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/1)	FINAL (ug/1)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.218	16.225	(0.939)	50618	38.9721	39.0(R)	
80 Bromobenzene	156	15.858	15.864	(0.919)	310295	45.7881	45.8	
81 N-Propylbenzene	91	15.881	15.888	(0.920)	1211669	46.3780	46.4	
82 1,1,2,2-Tetrachloroethane	83	15.963	15.969	(0.925)	213463	46.8712	46.9	
83 1,3,5-Trimethylbenzene	105	16.149	16.155	(0.935)	846096	44.8120	44.8	
84 2-Chlorotoluene	91	16.102	16.109	(0.933)	755686	45.4301	45.4	
85 1,2,3-Trichloropropane	75	16.160	16.167	(0.936)	162755	49.4798	49.5	
86 4-Chlorotoluene	91	16.335	16.341	(0.946)	752356	46.0591	46.0	
87 tert-Butylbenzene	119	16.602	16.608	(0.962)	880929	45.5999	45.6	
88 Pentachloroethane	117	16.625	16.632	(0.963)	173752	43.0952	43.1	
89 1,2,4-Trimethylbenzene	105	16.695	16.701	(0.967)	870112	45.9341	45.9	
90 P-Isopropyltoluene	119	17.055	17.062	(0.988)	933570	48.4391	48.4	
91 1,3-Dichlorobenzene	146	17.172	17.178	(0.995)	528754	45.7248	45.7	
* 92 1,4-Dichlorobenzene-D4	152	17.265	17.283	(1.000)	272425	50.0000		
93 1,4-Dichlorobenzene	146	17.288	17.306	(1.001)	514405	44.9673	45.0	
94 N-Butylbenzene	91	17.660	17.666	(1.023)	777436	47.8224	47.8	
95 sec-Butylbenzene	105	16.858	16.864	(0.976)	1118122	45.0864	45.1	
96 1,2-Dichlorobenzene	146	17.904	17.910	(1.037)	474506	45.2805	45.3	
97 1,2-Dibromo-3-Chloropropane	75	19.078	19.096	(1.105)	31299	47.8693	47.9	
98 1,3,5-Trichlorobenzene	180	19.148	19.154	(1.109)	349787	41.9481	41.9	
99 Hexachlorobutadiene	225	20.089	20.096	(1.164)	172857	42.6717	42.7	
100 1,2,4-Trichlorobenzene	180	20.124	20.131	(1.166)	312840	48.8809	48.9	
101 1,2,3-Trimethylbenzene	105	17.323	17.329	(1.003)	749120	42.5742	42.6	
102 Naphthalene	128	20.624	20.642	(1.195)	404907	44.3839	44.4	
103 1,2,3-Trichlorobenzene	180	20.915	20.921	(1.211)	245772	47.8468	47.8	
104 Methyl Acetate	43	5.885	5.891	(0.595)	165078	46.0990	46.1	
105 Methylcyclohexane	83	10.488	10.494	(1.061)	362463	40.6436	40.6	
M 106 Total Alkylbenzenes	100				6637934	324.072	324	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2298A.D
Lab Smp Id: IND CHECK
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

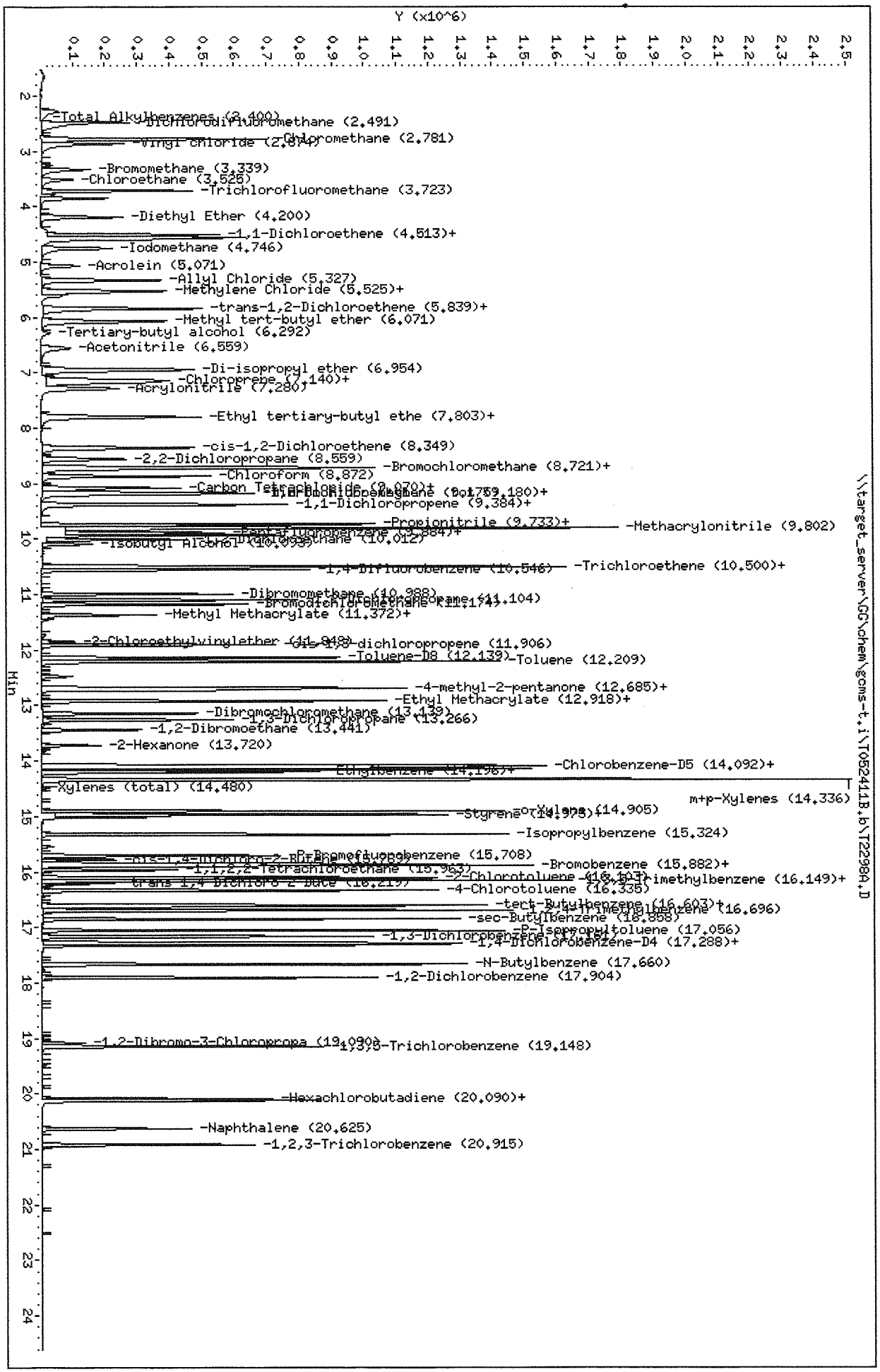
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	417431	1.93
49 1,4-Difluorobenze	637773	318887	1275546	628934	-1.39
66 Chlorobenzene-D5	477924	238962	955848	485875	1.66
92 1,4-Dichlorobenze	274556	137278	549112	272425	-0.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.06
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.04
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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-t.i\T052411B.b\T2298A.D
Date : 24-MAY-2011 17:55
Client ID:
Sample Info: IND CHECK
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18
Y (x10^6)
Min
Total Alkylbenzenes (2.400)
Dichlorodifluoromethane (2.491)
Vinyl chloride (2.614)
Chloromethane (2.781)
Bromomethane (3.339)
Chloroethane (3.525)
Trichlorofluoromethane (3.723)
Diethyl Ether (4.200)
1,1-Dichloroethene (4.513)+
Iodomethane (4.746)
Acrolein (5.071)
Allyl Chloride (5.327)
Methylene Chloride (5.525)+
trans-1,2-Dichloroethene (5.839)+
Methyl tert-butyl ether (6.071)
Tertiary-butyl alcohol (6.292)
Acetonitrile (6.559)
Di-isopropyl ether (6.954)
Chloroprene (7.140)+
Acrylonitrile (7.280)
Ethyl tertiary-butyl ethe (7.803)+
cis-1,2-Dichloroethene (8.349)
2,2-Dichloropropane (8.559)
Chloroform (8.872)
Bromochloromethane (8.721)+
Carbon Tetrachloride (9.070)+
1,1-Dichloropropene (9.384)+
Propionitrile (9.733)+
Methacrylonitrile (9.802)
Pentafluorobenzene (9.984)+
Isobutyl Alcohol (10.095)
Dibromomethane (10.388)
1,4-Difluorobenzene (10.546)
Trichloroethene (10.500)+
Bromodichloromethane (11.174)
Methyl Methacrylate (11.372)+
2-Chloroethylvinylether (11.948)
cis-1,3-dichloropropene (11.906)
Toluene-D8 (12.139)
Toluene (12.209)
4-methyl-2-pentanone (12.685)+
Ethyl Methacrylate (12.918)+
Dibromochloromethane (13.139)
1,3-Dichloropropane (13.266)
1,2-Dibromoethane (13.441)
2-Hexanone (13.720)
Chlorobenzene-D5 (14.092)+
Ethylbenzene (14.196)+
Xylenes (total) (14.480)
m+p-Xylenes (14.336)
o-Xylene (14.975)
Styrene (14.905)
Isopropylbenzene (15.324)
cis-1,4-Dichloro-2-butene (15.527)
p-Bromofluorobenzene (15.708)
Bromobenzene (15.882)+
1,1,2,2-Tetrachloroethane (15.963)
2-Chlorotoluene (16.103)
trans-1,4-Dichloro-2-butene (16.219)
1,3,5-Trimethylbenzene (16.149)+
4-Chlorotoluene (16.335)
tert-Butylbenzene (16.603)+
1,2,4-Trimethylbenzene (16.696)
sec-Butylbenzene (16.808)
p-Isopropyltoluene (17.056)
1,3-Dichlorobenzene (17.187)
1,4-Dichlorobenzene-D4 (17.288)+
N-Butylbenzene (17.660)
1,2-Dichlorobenzene (17.904)
1,2-Dibromo-3-Chloropropa (19.090)
1,3,5-Trichlorobenzene (19.148)
Hexachlorobutadiene (20.090)+
Naphthalene (20.625)
1,2,3-Trichlorobenzene (20.915)
\\target_server\GC\chem\gcms-t.i\T052411B.b\T2298A.D

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Client SDG: SDGa02236
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: IND CHECK
Level: LOW
Operator: DWM
Data Type: MS DATA
SampleType: LCS
SpikeList File: IND_CHECK4.1.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

	SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.0	66.7	133.34*	80-120
	2 Chloromethane	50.0	54.4	108.77	80-120
	3 Vinyl chloride	50.0	55.0	110.12	80-120
	4 Bromomethane	50.0	49.0	98.04	80-120
	5 Chloroethane	50.0	56.6	113.20	80-120
	6 Trichlorofluoromet	50.0	49.8	99.56	80-120
	7 Diethyl Ether	50.0	44.4	88.81	80-120
	8 Tertiary-butyl alc	250	208	83.40	80-120
	9 1,1-Dichloroethene	50.0	50.5	101.01	80-120
	10 Carbon Disulfide	50.0	45.4	90.87	80-120
	11 Freon-113	50.0	42.9	85.81	80-120
	12 Iodomethane	50.0	47.1	94.24	80-120
	13 Acrolein	250	233	93.14	80-120
	14 Methylene Chloride	50.0	51.1	102.18	80-120
	15 Acetone	50.0	57.0	114.12	80-120
	16 Isobutyl Alcohol	1000	923	92.29	80-120
	17 trans-1,2-Dichloro	50.0	48.7	97.33	80-120
	18 Allyl Chloride	50.0	44.4	88.83	80-120
	19 Methyl tert-butyl	100	90.5	90.49	80-120
	20 Acetonitrile	500	442	88.43	80-120
	21 Di-isopropyl ether	50.0	46.7	93.45	80-120
	22 Chloroprene	50.0	43.6	87.27	80-120
	23 Propionitrile	500	440	87.93	80-120
	24 Methacrylonitrile	500	453	90.69	80-120
	25 1,1-Dichloroethane	50.0	49.2	98.36	80-120
	26 Acrylonitrile	250	219	87.52	80-120
	27 Ethyl tertiary-but	50.0	43.9	87.80	80-120
	28 Vinyl Acetate	50.0	50.6	101.20	80-120
	29 cis-1,2-Dichloroet	50.0	47.8	95.65	80-120
M	30 1,2-Dichloroethyle	100	96.5	96.49	80-120
	31 Methyl Methacrylat	50.0	45.6	91.24	80-120
	32 2,2-Dichloropropan	50.0	41.6	83.25	80-120
	33 Bromochloromethane	50.0	46.7	93.47	80-120
	34 Chloroform	50.0	49.3	98.63	80-120
	35 Carbon Tetrachlori	50.0	47.0	93.95	80-120
	36 Tetrahydrofuran	50.0	50.4	100.91	80-120
	38 1,1,1-Trichloroeth	50.0	47.3	94.55	80-120
	39 1,1-Dichloropropen	50.0	50.8	101.58	80-120
	40 2-Butanone	50.0	54.4	108.90	80-120
	41 Benzene	50.0	49.8	99.59	80-120

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

	SPIKE	COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	43	Cyclohexane	50.0	48.3	96.61	80-120
	44	Ethyl Methacrylate	50.0	42.6	85.30	80-120
	46	Tertiary-amyl meth	50.0	45.4	90.92	80-120
	47	1,2-Dichloroethane	50.0	47.5	94.99	80-120
	48	Trichloroethene	50.0	48.1	96.20	80-120
	50	Dibromomethane	50.0	48.8	97.61	80-120
	51	1,2-Dichloropropan	50.0	50.0	100.07	80-120
	52	Bromodichlorometha	50.0	51.0	102.00	80-120
	53	cis-1,3-dichloropr	50.0	51.1	102.17	80-120
	54	1,4-Dioxane	1000	780	77.99*	80-120
	56	2-Chloroethylvinyl	50.0	53.2	106.37	80-120
	57	Toluene	50.0	48.4	96.85	80-120
	58	4-methyl-2-pentano	50.0	47.3	94.56	80-120
	59	Tetrachloroethene	50.0	49.7	99.44	80-120
	60	trans-1,3-Dichloro	50.0	54.4	108.88	80-120
	61	1,1,2-Trichloroeth	50.0	50.8	101.54	80-120
	62	Dibromochlorometha	50.0	43.2	86.49	80-120
	63	1,3-Dichloropropan	50.0	49.1	98.23	80-120
	64	1,2-Dibromoethane	50.0	49.1	98.23	80-120
	65	2-Hexanone	50.0	52.5	105.07	80-120
	67	Chlorobenzene	50.0	46.6	93.17	80-120
	68	1-Chlorohexane	50.0	44.9	89.76	80-120
	69	Ethylbenzene	50.0	47.0	93.98	80-120
	70	1,1,1,2-Tetrachlor	50.0	44.2	88.36	80-120
M	71	Xylenes (total)	150	140	93.11	80-120
	72	m+p-Xylenes	100	91.7	91.75	80-120
	73	o-Xylene	50.0	47.9	95.85	80-120
	74	Styrene	50.0	47.7	95.46	80-120
	75	Bromoform	50.0	42.8	85.54	80-120
	76	Isopropylbenzene	50.0	52.0	103.96	80-120
	78	cis-1,4-Dichloro-2	50.0	40.0	79.94*	80-120
	79	trans-1,4-Dichloro	50.0	39.0	77.94*	80-120
	80	Bromobenzene	50.0	45.8	91.58	80-120
	81	N-Propylbenzene	50.0	46.4	92.76	80-120
	82	1,1,2,2-Tetrachlor	50.0	46.9	93.74	80-120
	83	1,3,5-Trimethylben	50.0	44.8	89.62	80-120
	84	2-Chlorotoluene	50.0	45.4	90.86	80-120
	85	1,2,3-Trichloropro	50.0	49.5	98.96	80-120
	86	4-Chlorotoluene	50.0	46.0	92.12	80-120
	87	tert-Butylbenzene	50.0	45.6	91.20	80-120
	88	Pentachloroethane	50.0	43.1	86.19	80-120
	89	1,2,4-Trimethylben	50.0	45.9	91.87	80-120
	90	P-Isopropyltoluene	50.0	48.4	96.88	80-120
	91	1,3-Dichlorobenzen	50.0	45.7	91.45	80-120
	93	1,4-Dichlorobenzen	50.0	45.0	89.93	80-120
	94	N-Butylbenzene	50.0	47.8	95.64	80-120
	95	sec-Butylbenzene	50.0	45.1	90.17	80-120
	96	1,2-Dichlorobenzen	50.0	45.3	90.56	80-120
	97	1,2-Dibromo-3-Chlo	50.0	47.9	95.74	80-120
	98	1,3,5-Trichloroben	50.0	41.9	83.90	80-120
	99	Hexachlorobutadien	50.0	42.7	85.34	80-120
	100	1,2,4-Trichloroben	50.0	48.9	97.76	80-120
	101	1,2,3-Trimethylben	50.0	42.6	85.15	80-120
	102	Naphthalene	50.0	44.4	88.77	80-120

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
103 1,2,3-Trichloroben	50.0	47.8	95.69	80-120
104 Methyl Acetate	50.0	46.1	92.20	80-120
105 Methylcyclohexane	50.0	40.6	81.29	80-120
M 106 Total Alkylbenzene	350	324	92.59	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/l	AMOUNT RECOVERED ug/l	% RECOVERED	LIMITS
$ 37 Dibromofluorometha	50.0	42.2	84.33	68-128
$ 45 1,2-Dichloroethane	50.0	40.2	80.38	67-135
$ 55 Toluene-D8	50.0	41.3	82.60	65-128
$ 77 P-Bromofluorobenze	50.0	38.8	77.57	56-133

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: IND CHECK
Level: LOW
Data Type: MS DATA
SpikeList File: IND_CHECK4.1.spk
Sublist File: all.sub
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Client SDG: SDGa02236
Fraction: VOA

Operator: DWM
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.0	66.7	133.34*	80-120
	2 Chloromethane	50.0	54.4	108.77	80-120
	3 Vinyl chloride	50.0	55.0	110.12	80-120
	4 Bromomethane	50.0	49.0	98.04	80-120
	5 Chloroethane	50.0	56.6	113.20	80-120
	6 Trichlorofluoromet	50.0	49.8	99.56	80-120
	7 Diethyl Ether	50.0	44.4	88.81	80-120
	8 Tertiary-butyl alc	250	208	83.40	80-120
	9 1,1-Dichloroethene	50.0	50.5	101.01	80-120
	10 Carbon Disulfide	50.0	45.4	90.87	80-120
	11 Freon-113	50.0	42.9	85.81	80-120
	12 Iodomethane	50.0	47.1	94.24	80-120
	13 Acrolein	250	233	93.14	80-120
	14 Methylene Chloride	50.0	51.1	102.18	80-120
	15 Acetone	50.0	57.0	114.12	80-120
	16 Isobutyl Alcohol	1000	923	92.29	80-120
	17 trans-1,2-Dichloro	50.0	48.7	97.33	80-120
	18 Allyl Chloride	50.0	44.4	88.83	80-120
	19 Methyl tert-butyl	100	90.5	90.49	80-120
	20 Acetonitrile	500	442	88.43	80-120
	21 Di-isopropyl ether	50.0	46.7	93.45	80-120
	22 Chloroprene	50.0	43.6	87.27	80-120
	23 Propionitrile	500	440	87.93	80-120
	24 Methacrylonitrile	500	453	90.69	80-120
	25 1,1-Dichloroethane	50.0	49.2	98.36	80-120
	26 Acrylonitrile	250	219	87.52	80-120
	27 Ethyl tertiary-but	50.0	43.9	87.80	80-120
	28 Vinyl Acetate	50.0	50.6	101.20	80-120
	29 cis-1,2-Dichloroet	50.0	47.8	95.65	80-120
M	30 1,2-Dichloroethyle	100	96.5	96.49	80-120
	31 Methyl Methacrylat	50.0	45.6	91.24	80-120
	32 2,2-Dichloropropan	50.0	41.6	83.25	80-120
	33 Bromochloromethane	50.0	46.7	93.47	80-120
	34 Chloroform	50.0	49.3	98.63	80-120
	35 Carbon Tetrachlori	50.0	47.0	93.95	80-120
	36 Tetrahydrofuran	50.0	50.4	100.91	80-120
	38 1,1,1-Trichloroeth	50.0	47.3	94.55	80-120
	39 1,1-Dichloropropen	50.0	50.8	101.58	80-120
	40 2-Butanone	50.0	54.4	108.90	80-120
	41 Benzene	50.0	49.8	99.59	80-120

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

	SPIKE	COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	43	Cyclohexane	50.0	48.3	96.61	80-120
	44	Ethyl Methacrylate	50.0	42.6	85.30	80-120
	46	Tertiary-amyl meth	50.0	45.4	90.92	80-120
	47	1,2-Dichloroethane	50.0	47.5	94.99	80-120
	48	Trichloroethene	50.0	48.1	96.20	80-120
	50	Dibromomethane	50.0	48.8	97.61	80-120
	51	1,2-Dichloropropan	50.0	50.0	100.07	80-120
	52	Bromodichlorometha	50.0	51.0	102.00	80-120
	53	cis-1,3-dichloropr	50.0	51.1	102.17	80-120
	54	1,4-Dioxane	1000	780	77.99*	80-120
	56	2-Chloroethylvinyl	50.0	53.2	106.37	80-120
	57	Toluene	50.0	48.4	96.85	80-120
	58	4-methyl-2-pentano	50.0	47.3	94.56	80-120
	59	Tetrachloroethene	50.0	49.7	99.44	80-120
	60	trans-1,3-Dichloro	50.0	54.4	108.88	80-120
	61	1,1,2-Trichloroeth	50.0	50.8	101.54	80-120
	62	Dibromochlorometha	50.0	43.2	86.49	80-120
	63	1,3-Dichloropropan	50.0	49.1	98.23	80-120
	64	1,2-Dibromoethane	50.0	49.1	98.23	80-120
	65	2-Hexanone	50.0	52.5	105.07	80-120
	67	Chlorobenzene	50.0	46.6	93.17	80-120
	68	1-Chlorohexane	50.0	44.9	89.76	80-120
	69	Ethylbenzene	50.0	47.0	93.98	80-120
	70	1,1,1,2-Tetrachlor	50.0	44.2	88.36	80-120
M	71	Xylenes (total)	150	140	93.11	80-120
	72	m+p-Xylenes	100	91.7	91.75	80-120
	73	o-Xylene	50.0	47.9	95.85	80-120
	74	Styrene	50.0	47.7	95.46	80-120
	75	Bromoform	50.0	42.8	85.54	80-120
	76	Isopropylbenzene	50.0	52.0	103.96	80-120
	78	cis-1,4-Dichloro-2	50.0	40.0	79.94*	80-120
	79	trans-1,4-Dichloro	50.0	39.0	77.94*	80-120
	80	Bromobenzene	50.0	45.8	91.58	80-120
	81	N-Propylbenzene	50.0	46.4	92.76	80-120
	82	1,1,2,2-Tetrachlor	50.0	46.9	93.74	80-120
	83	1,3,5-Trimethylben	50.0	44.8	89.62	80-120
	84	2-Chlorotoluene	50.0	45.4	90.86	80-120
	85	1,2,3-Trichloropro	50.0	49.5	98.96	80-120
	86	4-Chlorotoluene	50.0	46.0	92.12	80-120
	87	tert-Butylbenzene	50.0	45.6	91.20	80-120
	88	Pentachloroethane	50.0	43.1	86.19	80-120
	89	1,2,4-Trimethylben	50.0	45.9	91.87	80-120
	90	P-Isopropyltoluene	50.0	48.4	96.88	80-120
	91	1,3-Dichlorobenzen	50.0	45.7	91.45	80-120
	93	1,4-Dichlorobenzen	50.0	45.0	89.93	80-120
	94	N-Butylbenzene	50.0	47.8	95.64	80-120
	95	sec-Butylbenzene	50.0	45.1	90.17	80-120
	96	1,2-Dichlorobenzen	50.0	45.3	90.56	80-120
	97	1,2-Dibromo-3-Chlo	50.0	47.9	95.74	80-120
	98	1,3,5-Trichloroben	50.0	41.9	83.90	80-120
	99	Hexachlorobutadien	50.0	42.7	85.34	80-120
	100	1,2,4-Trichloroben	50.0	48.9	97.76	80-120
	101	1,2,3-Trimethylben	50.0	42.6	85.15	80-120
	102	Naphthalene	50.0	44.4	88.77	80-120

Data File: \\target_server\GG\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 06-Jun-2011 15:03

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
103 1,2,3-Trichloroben	50.0	47.8	95.69	80-120
104 Methyl Acetate	50.0	46.1	92.20	80-120
105 Methylcyclohexane	50.0	40.6	81.29	80-120
M 106 Total Alkylbenzene	350	324	92.59	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/l	AMOUNT RECOVERED ug/l	% RECOVERED	LIMITS
$ 37 Dibromofluorometha	50.0	42.2	84.33	68-128
$ 45 1,2-Dichloroethane	50.0	40.2	80.38	67-135
$ 55 Toluene-D8	50.0	41.3	82.60	65-128
$ 77 P-Bromofluorobenze	50.0	38.8	77.57	56-133

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Dichlorodifluoromethane	0.8760000	0.8264200	0.8264200	0.01	-5.66	20.00	AVRG	
Chloromethane	1.0430000	1.0893000	1.0893000	0.1	4.44	20.00	AVRG	
Vinyl chloride	0.8230000	0.8896500	0.8896500	0.01	8.10	20.00	AVRG	
Bromomethane	0.4040000	0.3283100	0.3283100	0.01	-18.74	20.00	AVRG	
Chloroethane	50.962000	50.000000	0.3248300	0.01	1.92		2RDR	
Trichlorofluoromethane	46.641000	50.000000	1.0513000	0.01	-6.72		LINR	
1,1-Dichloroethene	0.7210000	0.6061000	0.6061000	0.01	-15.94	20.00	AVRG	
Carbon Disulfide	2.2810000	1.7628000	1.7628000	0.01	-22.72	20.00	AVRG	<-
Freon-113	0.5980000	0.5259500	0.5259500	0.01	-12.05	20.00	AVRG	
Methylene Chloride	49.693000	50.000000	0.7584500	0.01	-0.61		LINR	
Acetone	0.2080000	0.1715500	0.1715500	0.01	-17.52	20.00	AVRG	
trans-1,2-Dichloroethene	0.8140000	0.7512400	0.7512400	0.01	-7.71	20.00	AVRG	
Methyl tert-butyl ether	0.9130000	0.9368400	0.9368400	0.01	2.61	20.00	AVRG	
1,1-Dichloroethane	1.2360000	1.1885000	1.1885000	0.1	-3.84	20.00	AVRG	
cis-1,2-Dichloroethene	0.8350000	0.7745300	0.7745300	0.01	-7.24	20.00	AVRG	
Chloroform	1.2420000	1.1893000	1.1893000	0.01	-4.24	20.00	AVRG	
Carbon Tetrachloride	39.137000	50.000000	0.4364700	0.01	-21.73		LINR	
1,1,1-Trichloroethane	44.283000	50.000000	0.9689800	0.01	-11.43		LINR	
2-Butanone	0.2150000	0.2445700	0.2445700	0.01	13.75	20.00	AVRG	
Benzene	1.5730000	1.5394000	1.5394000	0.01	-2.14	20.00	AVRG	
Cyclohexane	1.0290000	1.0016000	1.0016000	0.01	-2.66	20.00	AVRG	
1,2-Dichloroethane	0.5860000	0.4950100	0.4950100	0.01	-15.53	20.00	AVRG	
Trichloroethene	0.4520000	0.4122600	0.4122600	0.01	-8.79	20.00	AVRG	
1,2-Dichloropropane	0.3950000	0.3845500	0.3845500	0.01	-2.64	20.00	AVRG	
Bromodichloromethane	0.5830000	0.5486300	0.5486300	0.01	-5.90	20.00	AVRG	
cis-1,3-dichloropropene	0.6520000	0.6339000	0.6339000	0.01	-2.78	20.00	AVRG	
Toluene	1.0160000	0.9426500	0.9426500	0.01	-7.22	20.00	AVRG	
4-methyl-2-pentanone	268.02000	250.00000	0.2739800	0.01	7.21		2RDR	
Tetrachloroethene	0.5500000	0.4687800	0.4687800	0.01	-14.77	20.00	AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

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
trans-1,3-Dichloropropene	0.5110000	0.4724100	0.4724100	0.01	-7.55	20.00	AVRG
1,1,2-Trichloroethane	0.2510000	0.2548200	0.2548200	0.01	1.52	20.00	AVRG
Dibromochloromethane	37.533000	50.000000	0.5050300	0.01	-24.93		LINR
1,2-Dibromoethane	0.3880000	0.3363600	0.3363600	0.01	-13.31	20.00	AVRG
2-Hexanone	0.2430000	0.2465800	0.2465800	0.01	1.47	20.00	AVRG
Chlorobenzene	1.4670000	1.2261000	1.2261000	0.3	-16.42	20.00	AVRG
Ethylbenzene	0.7680000	0.6530800	0.6530800	0.01	-14.96	20.00	AVRG
Styrene	1.5020000	1.3284000	1.3284000	0.01	-11.56	20.00	AVRG
Bromoform	37.890000	50.000000	0.3361300	0.1	-24.22		LINR
Isopropylbenzene	3.8260000	3.2070000	3.2070000	0.01	-16.18	20.00	AVRG
1,1,2,2-Tetrachloroethane	0.8360000	0.7906600	0.7906600	0.3	-5.42	20.00	AVRG
1,3-Dichlorobenzene	2.1220000	1.7396000	1.7396000	0.01	-18.02	20.00	AVRG
1,4-Dichlorobenzene	2.1000000	1.7078000	1.7078000	0.01	-18.68	20.00	AVRG
1,2-Dichlorobenzene	1.9230000	1.5744000	1.5744000	0.01	-18.13	20.00	AVRG
1,2-Dibromo-3-Chloropropane	0.1200000	9.74e-002	9.74e-002	0.01	-18.83	20.00	AVRG
1,2,4-Trichlorobenzene	39.915000	50.000000	0.9407700	0.01	-20.17		LINR
Methyl Acetate	0.4290000	0.4762000	0.4762000	0.01	11.00	20.00	AVRG
Methylcyclohexane	46.201000	50.000000	0.9700100	0.01	-7.60		2RDR
1,2,4-Trimethylbenzene	3.4760000	2.9335000	2.9335000	0.01	-15.61	20.00	AVRG
1,3,5-Trimethylbenzene	3.4650000	2.9463000	2.9463000	0.01	-14.97	20.00	AVRG
Di-isopropyl ether	2.2120000	2.5190000	2.5190000	0.01	13.88	20.00	AVRG
N-Butylbenzene	2.9840000	2.7941000	2.7941000	0.01	-6.36	20.00	AVRG
sec-Butylbenzene	4.5510000	3.9083000	3.9083000	0.01	-14.12	20.00	AVRG
tert-Butylbenzene	3.5460000	2.9834000	2.9834000	0.01	-15.87	20.00	AVRG
m+p-Xylenes	0.9110000	0.7841800	0.7841800	0.01	-13.92	20.00	AVRG
o-Xylene	0.9140000	0.7804800	0.7804800	0.01	-14.61	20.00	AVRG
Naphthalene	38.442000	50.000000	1.2820000	0.01	-23.12		LINR
Dibromofluoromethane	0.6950000	0.5923200	0.5923200	0.01	-14.77	20.00	AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/25/11 Time: 0916

Lab File ID: T2314 Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dichloroethane-D4	0.6100000	0.5143500	0.5143500	0.01	-15.68	20.00	AVRG
Toluene-D8	1.2920000	1.0922000	1.0922000	0.01	-15.46	20.00	AVRG
P-Bromofluorobenzene	0.5340000	0.4340600	0.4340600	0.01	-18.72	20.00	AVRG

FORM VII PEST

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2314.D
Report Date: 08-Jun-2011 08:02

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052511A.b\T2314.D
Lab Smp Id: VSTD050T25A
Inj Date : 25-MAY-2011 09:16 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD050T25A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 25-May-2011 09:48 DMCLAUGHLI Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: GCMS-D

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	2.484	2.497	(0.252)	337537	50.0000	47.2	
2 Chloromethane	50	2.775	2.787	(0.281)	444912	50.0000	52.2	
3 Vinyl chloride	62	2.868	2.880	(0.290)	363362	50.0000	54.0	
4 Bromomethane	94	3.321	3.334	(0.336)	134091	50.0000	40.6	
5 Chloroethane	64	3.507	3.520	(0.355)	132670	50.0000	51.0	
6 Trichlorofluoromethane	101	3.705	3.729	(0.375)	429371	50.0000	46.6	
7 Diethyl Ether	59	4.193	4.205	(0.425)	206722	50.0000	52.2	
8 Tertiary-butyl alcohol	59	6.274	6.298	(0.635)	66031	250.000	250	
9 1,1-Dichloroethene	96	4.495	4.519	(0.455)	247551	50.0000	42.0	
10 Carbon Disulfide	76	4.542	4.554	(0.460)	719993	50.0000	38.6	
11 Freon-113	151	4.577	4.589	(0.463)	214813	50.0000	43.9	
12 Iodomethane	142	4.739	4.752	(0.480)	367469	50.0000	39.0	
13 Acrolein	56	5.065	5.077	(0.513)	188199	250.000	268	
14 Methylene Chloride	84	5.518	5.531	(0.559)	309775	50.0000	49.7	
15 Acetone	43	5.600	5.624	(0.567)	350331	250.000	206	
16 Isobutyl Alcohol	43	10.075	10.087	(1.020)	126198	1000.00	1200	
17 trans-1,2-Dichloroethene	96	5.820	5.844	(0.589)	306830	50.0000	46.2	
18 Allyl Chloride	41	5.321	5.333	(0.539)	446818	50.0000	56.0	
19 Methyl tert-butyl ether	73	6.065	6.089	(0.614)	765266	100.000	103	
20 Acetonitrile	39	6.541	6.577	(0.662)	61403	500.000	587	
21 Di-isopropyl ether	45	6.925	6.960	(0.701)	1028861	50.0000	56.9	
22 Chloroprene	53	7.111	7.135	(0.720)	399495	50.0000	48.2	
23 Propionitrile	54	9.761	9.773	(0.988)	239672	500.000	545	

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2314.D
Report Date: 08-Jun-2011 08:02

	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	9.796	9.808	(0.992)	1217577	500.000	550	
	25 1,1-Dichloroethane	63	7.157	7.181	(0.725)	485405	50.0000	48.1	
	26 Acrylonitrile	52	7.262	7.286	(0.735)	321481	250.000	264	
	27 Ethyl tertiary-butyl ether	59	7.773	7.797	(0.787)	593972	50.0000	51.2	
	28 Vinyl Acetate	43	7.785	7.809	(0.739)	566826	50.0000	51.5	
	29 cis-1,2-Dichloroethene	96	8.331	8.355	(0.843)	316343	50.0000	46.4	
M	30 1,2-Dichloroethylene (total)	96				623173	50.0000	92.5	
	31 Methyl Methacrylate	41	11.354	11.366	(1.077)	184325	50.0000	51.5	
	32 2,2-Dichloropropane	77	8.540	8.564	(0.865)	236165	50.0000	42.4	
	33 Bromochloromethane	128	8.703	8.715	(0.881)	147494	50.0000	42.5	
	34 Chloroform	83	8.854	8.878	(0.896)	485748	50.0000	47.9	
	35 Carbon Tetrachloride	117	9.064	9.076	(0.860)	279309	50.0000	39.1	
	36 Tetrahydrofuran	42	9.098	9.111	(0.921)	307137	250.000	280	
$	37 Dibromofluoromethane	113	9.145	9.169	(0.926)	241920	50.0000	42.6	
	38 1,1,1-Trichloroethane	97	9.168	9.192	(0.928)	395761	50.0000	44.3	
	39 1,1-Dichloropropene	75	9.366	9.390	(0.889)	363503	50.0000	46.9	
	40 2-Butanone	43	9.354	9.367	(0.947)	499459	250.000	284	
	41 Benzene	78	9.726	9.739	(0.923)	985119	50.0000	48.9	
*	42 Pentafluorobenzene	168	9.877	9.890	(1.000)	408431	50.0000		
	43 Cyclohexane	56	8.703	8.727	(0.881)	409069	50.0000	48.7	
	44 Ethyl Methacrylate	69	12.911	12.924	(1.225)	227168	50.0000	47.6	
$	45 1,2-Dichloroethane-D4	65	9.912	9.925	(1.004)	210078	50.0000	42.1	
	46 Tertiary-amyl methyl ether	73	9.924	9.936	(1.005)	510749	50.0000	52.6	
	47 1,2-Dichloroethane	62	9.993	10.018	(0.948)	316768	50.0000	42.2	
	48 Trichloroethene	95	10.493	10.506	(0.996)	263817	50.0000	45.6	
*	49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	639921	50.0000		
	50 Dibromomethane	93	10.970	10.982	(1.041)	165980	50.0000	43.1	
	51 1,2-Dichloropropane	63	11.086	11.099	(1.052)	246082	50.0000	48.7	
	52 Bromodichloromethane	83	11.168	11.180	(1.060)	351081	50.0000	47.1	
	53 cis-1,3-dichloropropene	75	11.900	11.912	(1.129)	405645	50.0000	48.6	
	54 1,4-Dioxane	88	11.400	11.412	(1.082)	36557	1000.00	1030	
$	55 Toluene-D8	98	12.132	12.145	(1.151)	698927	50.0000	42.3	
	56 2-Chloroethylvinylether	63	11.830	11.843	(1.122)	38835	50.0000	48.4	
	57 Toluene	92	12.202	12.214	(1.158)	603219	50.0000	46.4	
	58 4-methyl-2-pentanone	43	12.667	12.679	(1.202)	876617	250.000	268	
	59 Tetrachloroethene	164	12.679	12.691	(0.900)	238315	50.0000	42.6	
	60 trans-1,3-Dichloropropene	75	12.714	12.726	(1.206)	302305	50.0000	46.2	
	61 1,1,2-Trichloroethane	83	12.911	12.924	(1.225)	163065	50.0000	50.7	
	62 Dibromochloromethane	129	13.132	13.144	(0.932)	256746	50.0000	37.5	
	63 1,3-Dichloropropane	76	13.248	13.261	(0.941)	354989	50.0000	45.6	
	64 1,2-Dibromoethane	107	13.434	13.447	(1.275)	215244	50.0000	43.4	
	65 2-Hexanone	43	13.713	13.726	(0.974)	626787	250.000	253	
*	66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	508373	50.0000		
	67 Chlorobenzene	112	14.108	14.121	(1.002)	623314	50.0000	41.8	
	68 1-Chlorohexane	91	14.074	14.086	(0.999)	363366	50.0000	42.1	
	69 Ethylbenzene	106	14.143	14.156	(1.004)	332008	50.0000	42.5	
	70 1,1,1,2-Tetrachloroethane	131	14.190	14.202	(1.007)	238368	50.0000	38.7	
M	71 Xylenes (total)	106				1194089	150.000	129	
	72 m+p-Xylenes	106	14.329	14.342	(1.017)	797315	100.000	86.1	
	73 o-Xylene	106	14.899	14.911	(1.058)	396774	50.0000	42.7	
	74 Styrene	104	14.969	14.981	(1.063)	675319	50.0000	44.2	
	75 Bromoform	173	15.004	15.016	(1.065)	170881	50.0000	37.9(T)	
	76 Isopropylbenzene	105	15.317	15.330	(0.887)	892537	50.0000	41.9	
$	77 P-Bromofluorobenzene	95	15.701	15.713	(1.490)	277762	50.0000	40.7	

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2314.D
Report Date: 08-Jun-2011 08:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 cis-1,4-Dichloro-2-Butene	53	15.782	15.783	(0.914)	61469	50.0000	43.1	
79 trans-1,4-Dichloro-2-Butene	53	16.212	16.225	(0.939)	55772	50.0000	41.9	
80 Bromobenzene	156	15.852	15.864	(0.918)	287888	50.0000	41.6	
81 N-Propylbenzene	91	15.875	15.888	(0.919)	1193400	50.0000	44.7	
82 1,1,2,2-Tetrachloroethane	83	15.957	15.969	(0.924)	220048	50.0000	47.3	
83 1,3,5-Trimethylbenzene	105	16.143	16.155	(0.935)	819995	50.0000	42.5	
84 2-Chlorotoluene	91	16.096	16.109	(0.932)	720824	50.0000	42.4	
85 1,2,3-Trichloropropane	75	16.154	16.167	(0.935)	158571	50.0000	47.2	
86 4-Chlorotoluene	91	16.329	16.341	(0.945)	714373	50.0000	42.8	
87 tert-Butylbenzene	119	16.596	16.608	(0.961)	830297	50.0000	42.1	
88 Pentachloroethane	117	16.631	16.632	(0.963)	168986	50.0000	41.0	
89 1,2,4-Trimethylbenzene	105	16.689	16.701	(0.966)	816425	50.0000	42.2	
90 P-Isopropyltoluene	119	17.049	17.062	(0.987)	836843	50.0000	42.5	
91 1,3-Dichlorobenzene	146	17.166	17.178	(0.994)	484163	50.0000	41.0	
* 92 1,4-Dichlorobenzene-D4	152	17.270	17.283	(1.000)	278310	50.0000		
93 1,4-Dichlorobenzene	146	17.293	17.306	(1.001)	475291	50.0000	40.7	
94 N-Butylbenzene	91	17.665	17.666	(1.023)	777622	50.0000	46.8	
95 sec-Butylbenzene	105	16.852	16.864	(0.976)	1087719	50.0000	42.9	
96 1,2-Dichlorobenzene	146	17.898	17.910	(1.036)	438173	50.0000	40.9	
97 1,2-Dibromo-3-Chloropropane	75	19.084	19.096	(1.105)	27114	50.0000	40.6	
98 1,3,5-Trichlorobenzene	180	19.142	19.154	(1.108)	345797	50.0000	40.6	
99 Hexachlorobutadiene	225	20.083	20.096	(1.163)	149901	50.0000	36.2	
100 1,2,4-Trichlorobenzene	180	20.130	20.131	(1.166)	261825	50.0000	39.9	
101 1,2,3-Trimethylbenzene	105	17.317	17.329	(1.003)	762921	50.0000	42.4	
102 Naphthalene	128	20.630	20.642	(1.195)	356788	50.0000	38.4	
103 1,2,3-Trichlorobenzene	180	20.920	20.921	(1.211)	217312	50.0000	41.3	
104 Methyl Acetate	43	5.867	5.891	(0.594)	194497	50.0000	55.5	
105 Methylcyclohexane	83	10.482	10.494	(1.061)	396183	50.0000	46.2	
M 106 Total Alkylbenzenes	100				6362301	50.0000	304	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2314.D
Report Date: 08-Jun-2011 08:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2314.D
Lab Smp Id: VSTD050T25A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\GG\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

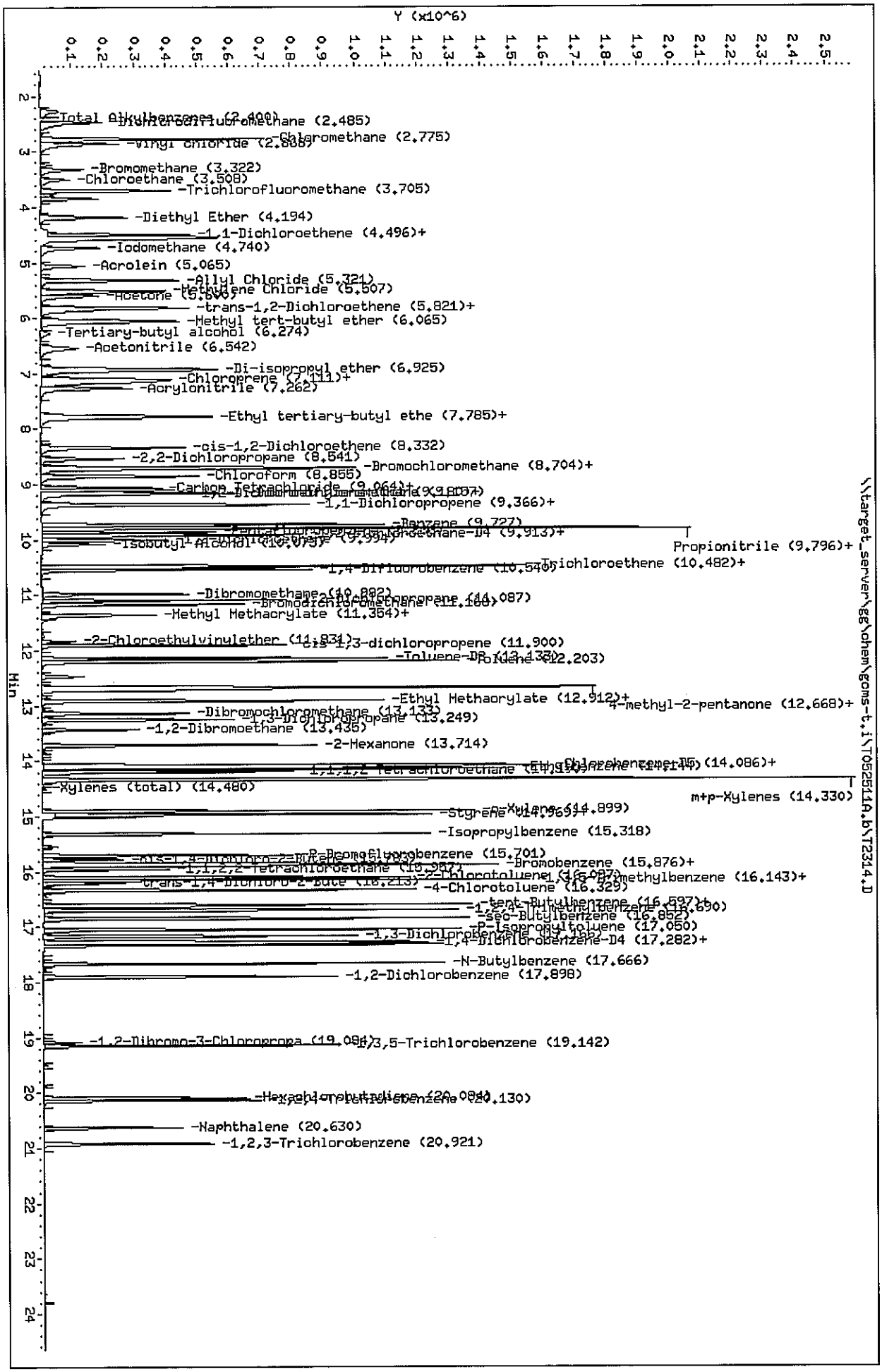
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	408431	-0.26
49 1,4-Difluorobenze	637773	318887	1275546	639921	0.34
66 Chlorobenzene-D5	477924	238962	955848	508373	6.37
92 1,4-Dichlorobenze	274556	137278	549112	278310	1.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.12
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\goms-t.i\T052511A.b\T2314.D
Date : 25-MAY-2011 09:16
Client ID:
Sample Info: VSTD050T25A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: goms-t.i
Operator: DWM
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date: 05/27/11 Time: 0757

Lab File ID: T2357A Init. Calib. Date(s): 05/24/11 05/24/11

Init. Calib. Times: 1306 1610

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	
Chlorobenzene	1.4670000	1.3559000	0.3	-7.57	20.00	AVRG	
Dibromofluoromethane	0.6950000	0.8142500	0.01	17.16	20.00	AVRG	
1,2-Dichloroethane-D4	0.6100000	0.7626300	0.01	25.02	20.00	AVRG	<-
Toluene-D8	1.2920000	1.4931000	0.01	15.56	20.00	AVRG	
P-Bromofluorobenzene	0.5340000	0.5686500	0.01	6.49	20.00	AVRG	

FORM VII PEST

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2357A.D
Report Date: 08-Jun-2011 07:54

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2357A.D
Lab Smp Id: VSTD050T27A
Inj Date : 27-MAY-2011 07:57 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : VSTD050T27A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 07:54 gcms-t.i Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.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
67 Chlorobenzene	112	14.098	14.121	(1.002)	630717	50.0000	46.2	
$ 37 Dibromofluoromethane	113	9.123	9.169	(0.926)	307550	50.0000	58.6	
* 42 Pentafluorobenzene	168	9.855	9.890	(1.000)	377710	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.890	9.925	(1.004)	288052	50.0000	62.5	
* 49 1,4-Difluorobenzene	114	10.529	10.552	(1.000)	577527	50.0000		
$ 55 Toluene-D8	98	12.122	12.145	(1.151)	862296	50.0000	57.8	
* 66 Chlorobenzene-D5	117	14.075	14.098	(1.000)	465164	50.0000		
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.490)	328411	50.0000	53.3	
* 92 1,4-Dichlorobenzene-D4	152	17.260	17.283	(1.000)	263738	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2357A.D
Report Date: 08-Jun-2011 07:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2357A.D
Lab Smp Id: VSTD050T27A
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAY-2011
Calibration Time: 07:57

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

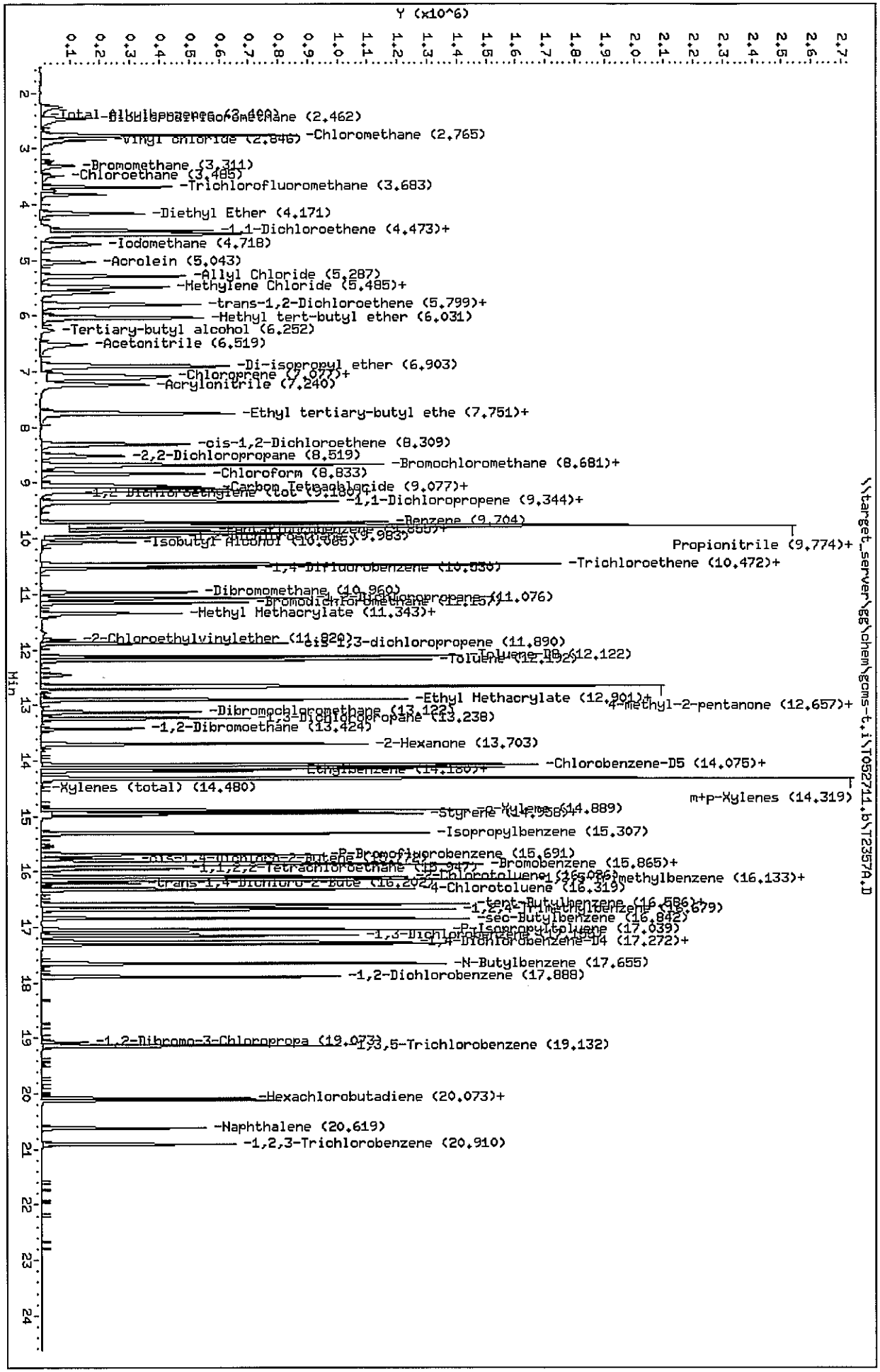
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	377710	-7.77
49 1,4-Difluorobenze	637773	318887	1275546	577527	-9.45
66 Chlorobenzene-D5	477924	238962	955848	465164	-2.67
92 1,4-Dichlorobenze	274556	137278	549112	263738	-3.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.86	-0.35
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.21
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.16
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\gcms-t.i\T052711.b\T2357A.D
Date : 27-MAY-2011 07:57
Client ID:
Sample Info: VSTD050T27A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DJP
Column diameter: 0.18



Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\TB266.D

Date : 24-MAY-2011 12:45

Client ID:

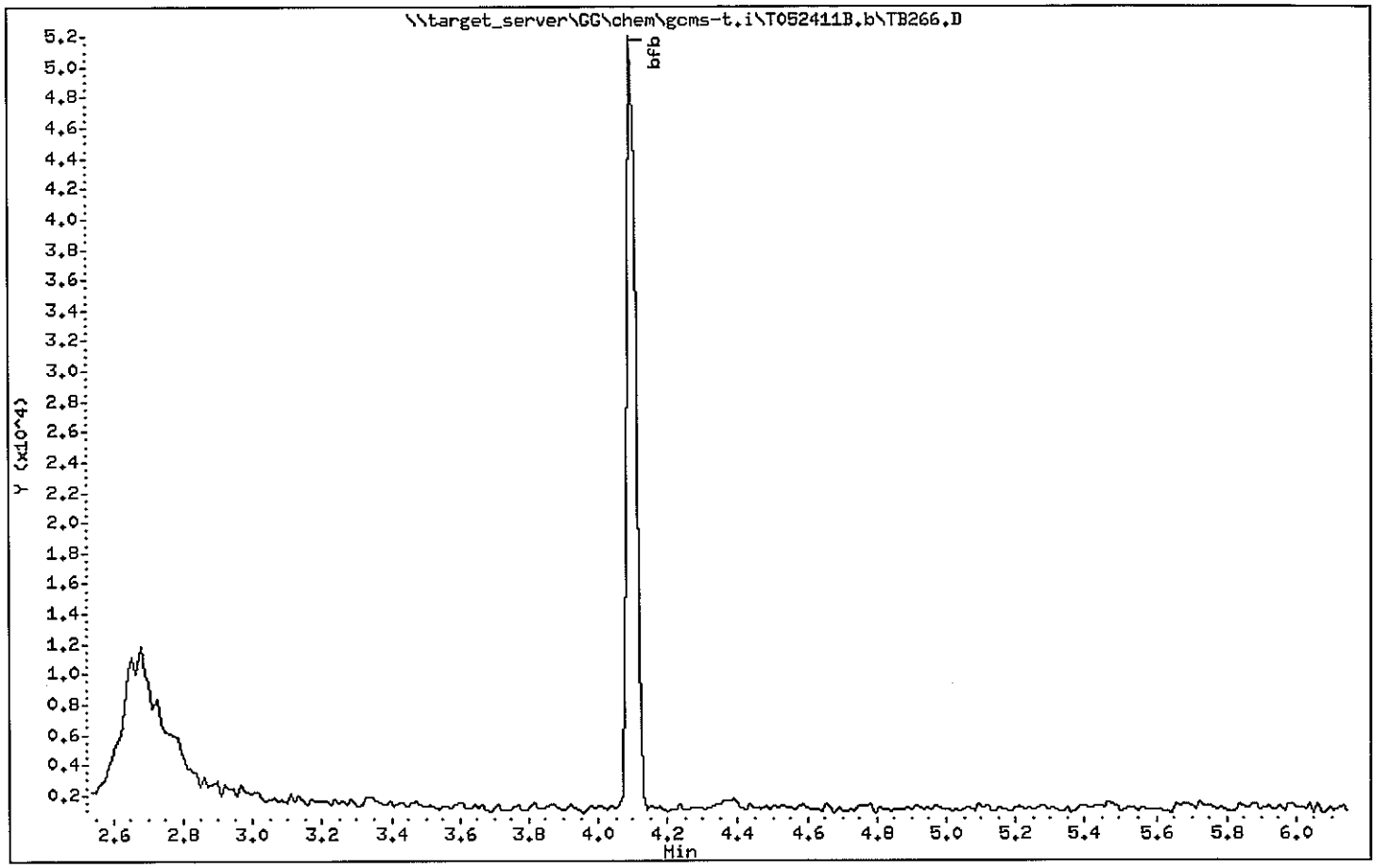
Instrument: gcms-t.i

Sample Info: 50 NG BFB

Operator: JSS

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\TB266.D

Date : 24-MAY-2011 12:45

Client ID:

Instrument: gcms-t.i

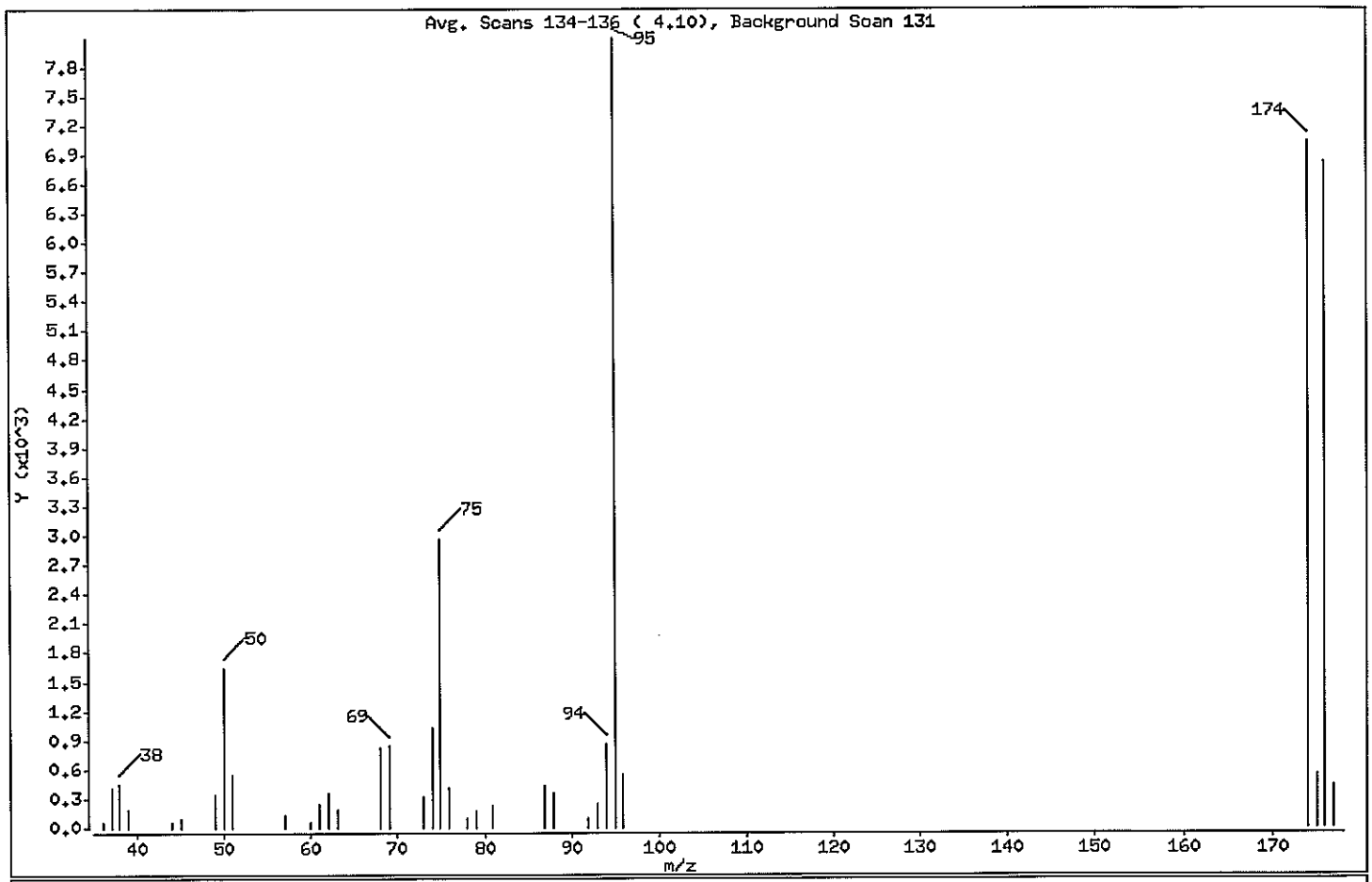
Sample Info: 50 NG BFB

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	20.26
75	30.00 - 60.00% of mass 95	36.61
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	86.96
175	5.00 - 9.00% of mass 174	6.63 (7.62)
176	95.00 - 101.00% of mass 174	84.24 (96.87)
177	5.00 - 9.00% of mass 176	5.30 (6.30)

Data File: \\target_server\GC\chem\gcms-t.i\T052411B.b\TB266.D

Date : 24-MAY-2011 12:45

Client ID:

Instrument: gcms-t.i

Sample Info: 50 NG BFB

Operator: JSS

Column phase: RTX-VMS

Column diameter: 0.18

Data File: TB266.D

Spectrum: Avg. Scans 134-136 (4.10), Background Scan 131

Location of Maximum: 95.00

Number of points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	58	57.00	133	75.00	2961	94.00	850
37.00	411	60.00	51	76.00	411	95.00	8089
38.00	455	61.00	239	78.00	100	96.00	539
39.00	193	62.00	360	79.00	163	174.00	7034
44.00	57	63.00	193	81.00	225	175.00	536
45.00	87	68.00	820	87.00	421	176.00	6814
49.00	340	69.00	838	88.00	345	177.00	429
50.00	1639	73.00	317	92.00	84		
51.00	538	74.00	1026	93.00	251		

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\TB267.D

Date : 25-MAY-2011 08:54

Client ID:

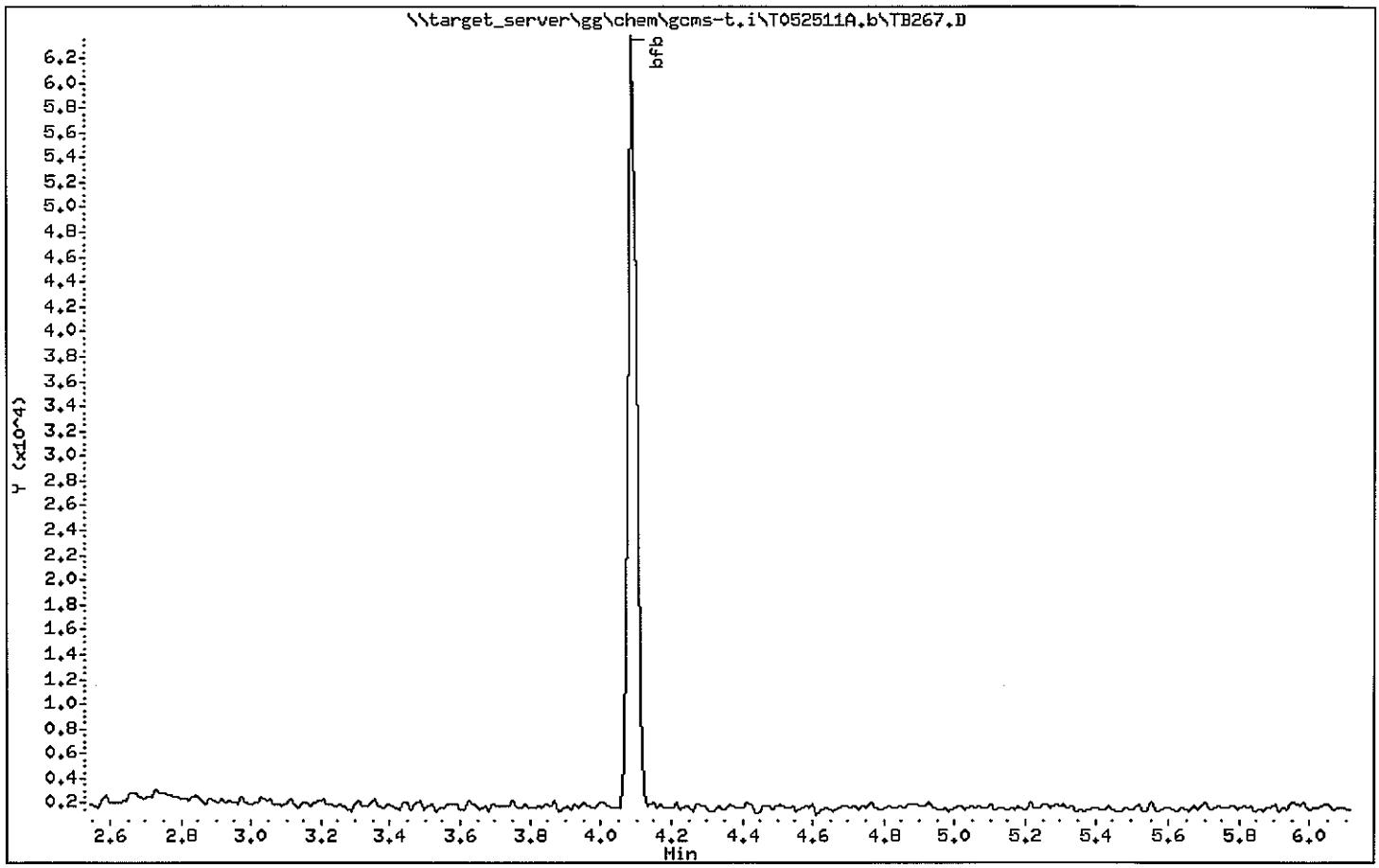
Instrument: gcms-t.i

Sample Info: 50 NG BFB

Operator: DWM

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\TB267.D

Date : 25-MAY-2011 08:54

Client ID:

Instrument: gcms-t.i

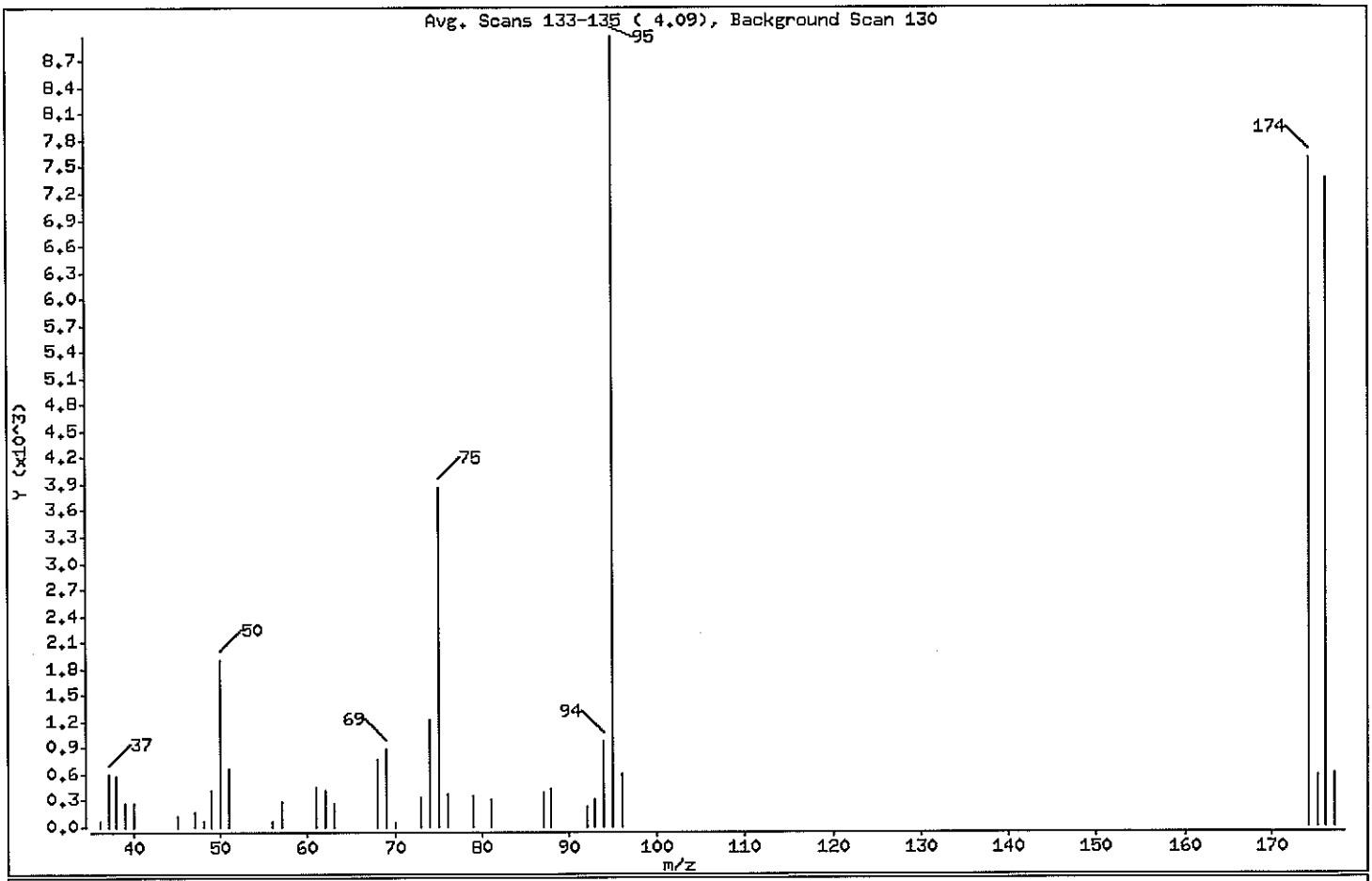
Sample Info: 50 NG BFB

Operator: DWH

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	21.13
75	30.00 - 60.00% of mass 95	42.99
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.53
175	5.00 - 9.00% of mass 174	6.40 (7.57)
176	95.00 - 101.00% of mass 174	81.98 (96.98)
177	5.00 - 9.00% of mass 176	6.66 (8.13)

Data File: \\target_server\gg\chem\goms-t.i\T052511A.b\TB267.D

Date : 25-MAY-2011 08:54

Client ID:

Instrument: goms-t.i

Sample Info: 50 NG BFB

Operator: DWH

Column phase: RTX-VMS

Column diameter: 0.18

Data File: TB267.D

Spectrum: Avg. Scans 133-135 (4.09), Background Scan 130

Location of Maximum: 95.00

Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	57	51.00	662	74.00	1226	95.00	8974
37.00	603	56.00	70	75.00	3858	96.00	601
38.00	584	57.00	299	76.00	370	174.00	7586
39.00	264	61.00	463	79.00	353	175.00	574
40.00	265	62.00	420	81.00	301	176.00	7357
45.00	129	63.00	268	87.00	398	177.00	598
47.00	171	68.00	766	88.00	438		
48.00	63	69.00	883	92.00	228		
49.00	409	70.00	51	93.00	311		
50.00	1896	73.00	336	94.00	962		

Data File: \\target_server\gg\chem\goms-t.i\T052711.b\TB269.D

Date : 27-MAY-2011 07:33

Client ID:

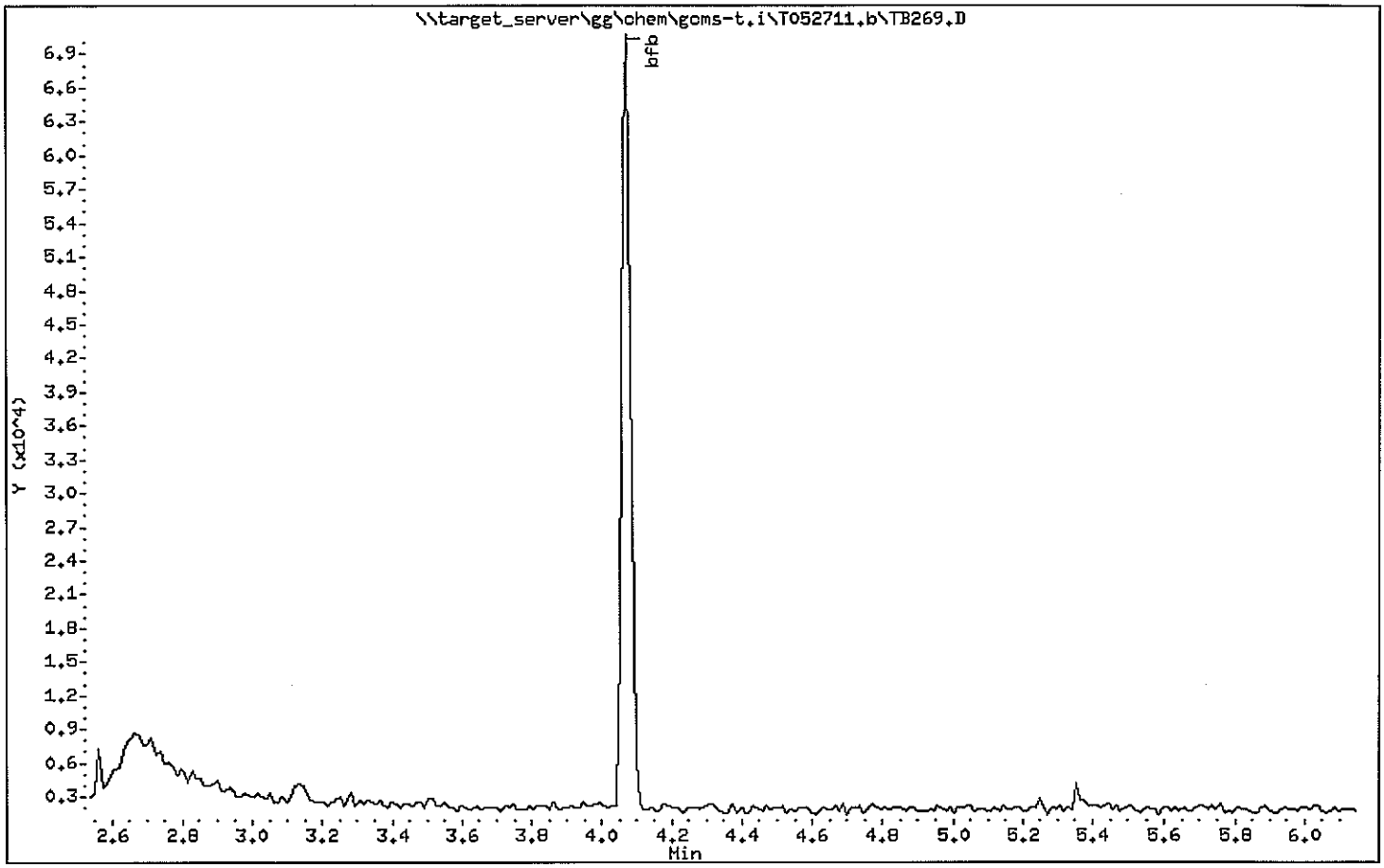
Instrument: goms-t.i

Sample Info: 50 NG BFB

Operator: DJP

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\TB269.D

Date : 27-MAY-2011 07:33

Client ID:

Instrument: gcms-t.i

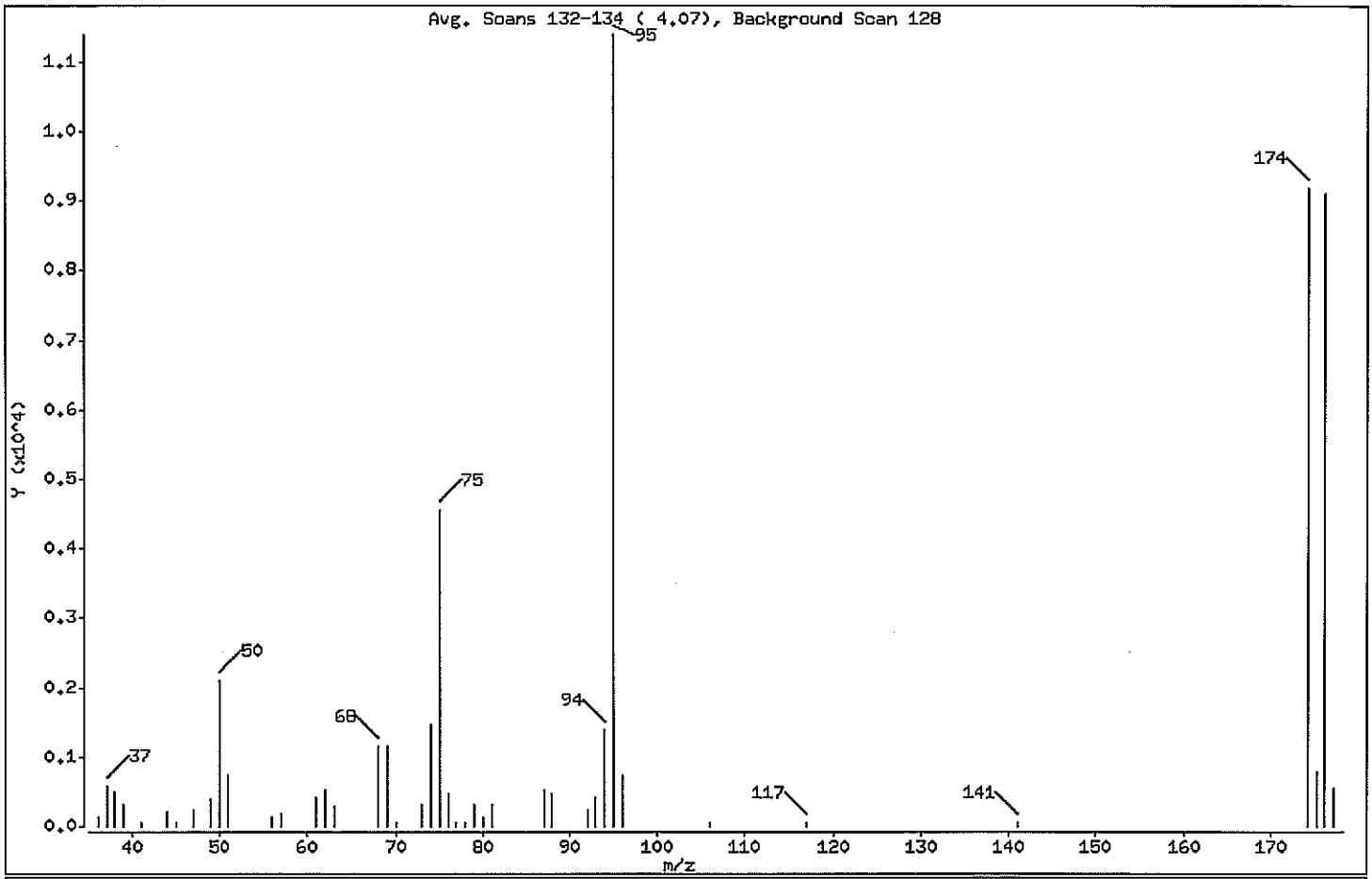
Sample Info: 50 NG BFB

Operator: DJP

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	18.33
75	30.00 - 60.00% of mass 95	39.93
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	80.69
175	5.00 - 9.00% of mass 174	6.82 (8.46)
176	95.00 - 101.00% of mass 174	80.06 (99.23)
177	5.00 - 9.00% of mass 176	4.86 (6.07)

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\TB269.D

Date : 27-MAY-2011 07:33

Client ID:

Instrument: gcms-t.i

Sample Info: 50 NG BFB

Operator: DJP

Column phase: RTX-VMS

Column diameter: 0.18

Data File: TB269.D

Spectrum: Avg. Scans 132-134 (4.07), Background Scan 128

Location of Maximum: 95.00

Number of points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	119	56.00	127	76.00	481	95.00	11385
37.00	580	57.00	179	77.00	57	96.00	737
38.00	506	61.00	424	78.00	64	106.00	52
39.00	325	62.00	516	79.00	321	117.00	57
41.00	53	63.00	275	80.00	120	141.00	51
44.00	210	68.00	1163	81.00	327	174.00	9186
45.00	53	69.00	1154	87.00	536	175.00	777
47.00	244	70.00	59	88.00	484	176.00	9115
49.00	395	73.00	322	92.00	242	177.00	553
50.00	2087	74.00	1467	93.00	413		
51.00	736	75.00	4546	94.00	1394		

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.29	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2,4-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.19	0.50
1,3,5-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.20	0.50
Di-isopropyl ether	U	0.50	ug/L	1	1	1.0	0.21	0.50
n-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
sec-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.31	0.50
m+p-Xylene	U	1.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Naphthalene	U	0.50	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		102.	%					
Toluene-d8		110.	%					
1,2-Dichloroethane-d4		102.	%					
Dibromofluoromethane		105.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300C.D
Report Date: 08-Jun-2011 15:48

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300C.D
Lab Smp Id: WG91953-2 Client Smp ID: WG91953-Blank
Inj Date : 24-MAY-2011 19:13 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-2,SE2818
Misc Info : WG91953,T2292,SE2818-11
Comment : SW846 5030,AQ
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 08-Jun-2011 15:43 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.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
10 Carbon Disulfide	76	4.542	4.554	(0.460)	4610	0.28901	0.29(a)	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.927)	255965	52.6873	52.7	
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	217590	50.9640	51.0	
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	720016	54.7840	54.8	
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.489)	277324	51.0910	51.1	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	349701	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	508528	50.0000		
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	429238	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	220386	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\T052411B.b\T2300C.D
Report Date: 08-Jun-2011 15:48

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2300C.D
Lab Smp Id: WG91953-2
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG91953-Blank
Level: LOW
Sample Type: WATER
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-11

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

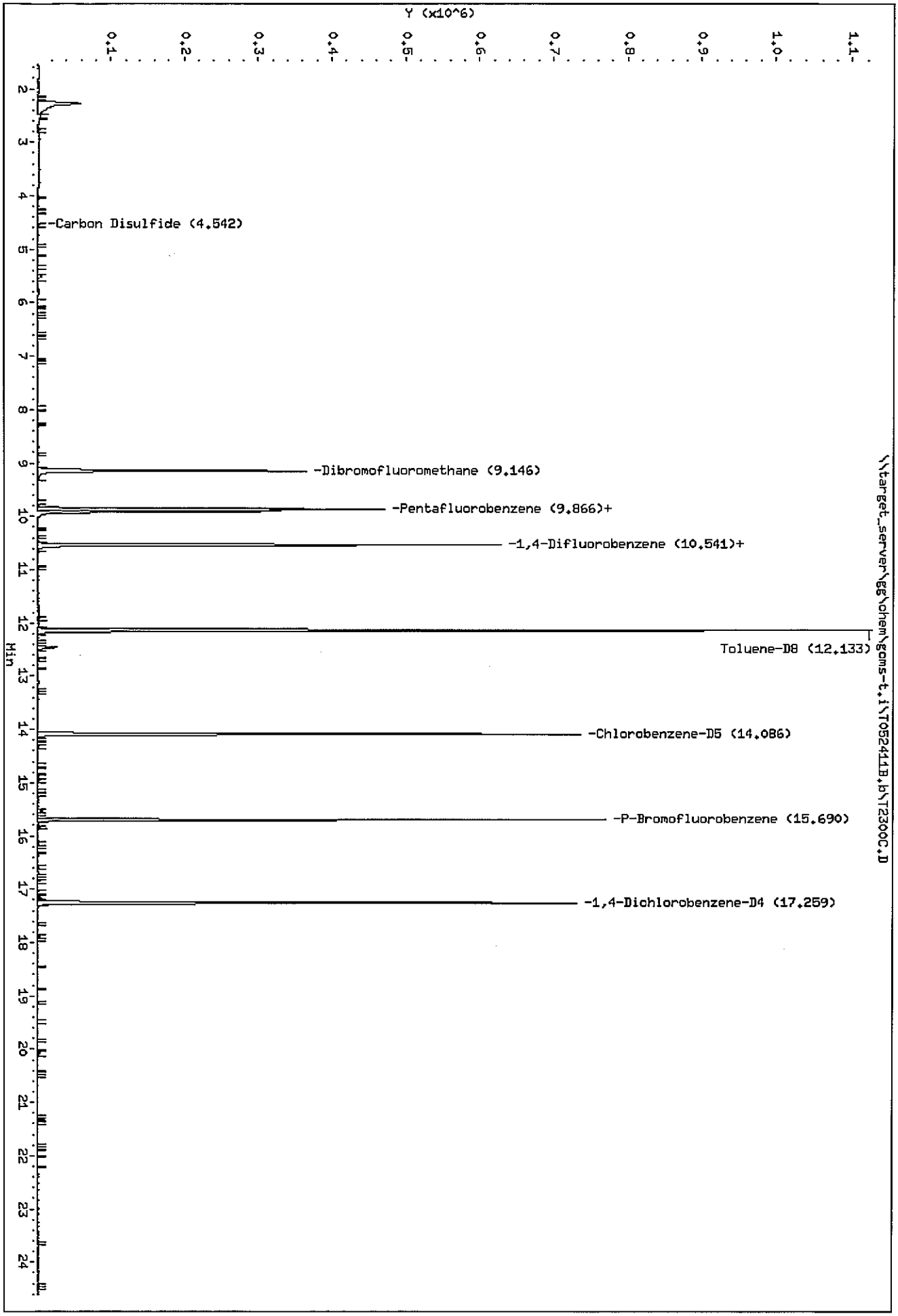
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	349701	-14.61
49 1,4-Difluorobenze	637773	318887	1275546	508528	-20.27
66 Chlorobenzene-D5	477924	238962	955848	429238	-10.19
92 1,4-Dichlorobenze	274556	137278	549112	220386	-19.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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-t.i\T052411B.b\T2300C.D
Date : 24-MAY-2011 19:13
Client ID: WG91953-Blank
Sample Info: WG91953-2,SE2818

Instrument: gcms-t.i



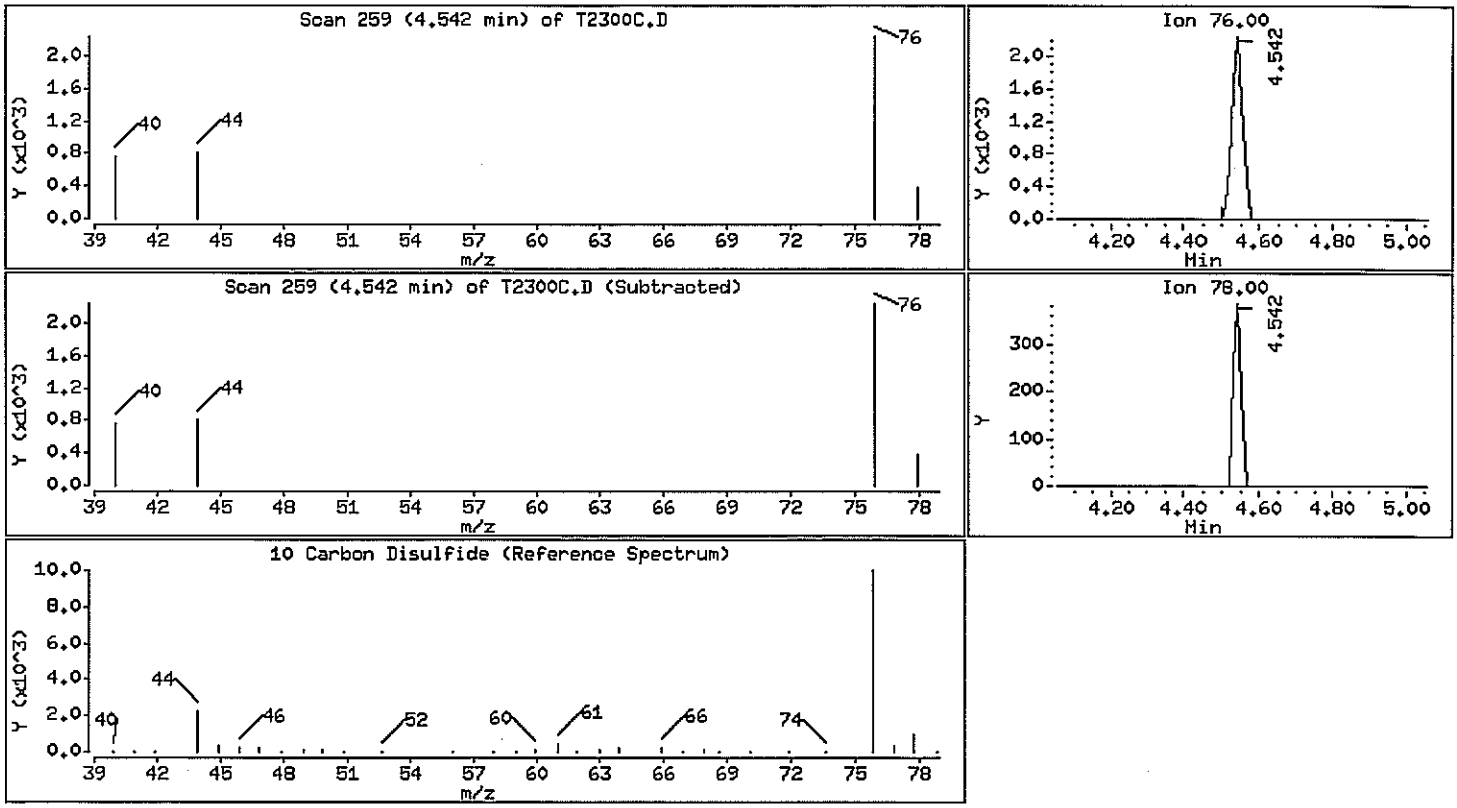
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300C.D

Date : 24-MAY-2011 19:13

Client ID: WG91953-Blank Instrument: gcms-t.i

Sample Info: WG91953-2,SE2818

10 Carbon Disulfide Concentration: 0.29 ug/l



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-4
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
Chloromethane	U	250	ug/Kgdrywt	1	10	500	70.	250
Vinyl Chloride	U	250	ug/Kgdrywt	1	10	500	44.	250
Bromomethane	U	250	ug/Kgdrywt	1	10	500	55.	250
Chloroethane	U	250	ug/Kgdrywt	1	10	500	65.	250
Trichlorofluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
1,1-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Carbon Disulfide	U	120	ug/Kgdrywt	1	5	250	39.	120
Freon-113	U	120	ug/Kgdrywt	1	5	250	45.	120
Methylene Chloride	U	620	ug/Kgdrywt	1	25	1200	400	620
Acetone	U	620	ug/Kgdrywt	1	25	1200	260	620
trans-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	36.	120
Methyl tert-butyl Ether	U	120	ug/Kgdrywt	1	5	250	55.	120
1,1-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	85.	120
cis-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Chloroform	U	120	ug/Kgdrywt	1	5	250	18.	120
Carbon Tetrachloride	U	120	ug/Kgdrywt	1	5	250	65.	120
1,1,1-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	21.	120
2-Butanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Benzene	U	120	ug/Kgdrywt	1	5	250	46.	120
Cyclohexane	U	120	ug/Kgdrywt	1	5	250	70.	120
1,2-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	50.	120
Trichloroethene	U	120	ug/Kgdrywt	1	5	250	30.	120
1,2-Dichloropropane	U	120	ug/Kgdrywt	1	5	250	70.	120
Bromodichloromethane	U	120	ug/Kgdrywt	1	5	250	30.	120
cis-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	36.	120
Toluene	U	120	ug/Kgdrywt	1	5	250	70.	120
4-Methyl-2-Pentanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Tetrachloroethene	U	120	ug/Kgdrywt	1	5	250	60.	120
trans-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	43.	120
1,1,2-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	48.	120
Dibromochloromethane	U	120	ug/Kgdrywt	1	5	250	50.	120
1,2-Dibromoethane	U	120	ug/Kgdrywt	1	5	250	60.	120
2-Hexanone	U	620	ug/Kgdrywt	1	25	1200	240	620

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-4
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
Ethylbenzene	U	120	ug/Kgdrywt	1	5	250	32.	120
Styrene	U	120	ug/Kgdrywt	1	5	250	26.	120
Bromoform	U	120	ug/Kgdrywt	1	5	250	35.	120
Isopropylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
1,1,2,2-Tetrachloroethane	U	120	ug/Kgdrywt	1	5	250	42.	120
1,3-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	31.	120
1,4-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	22.	120
1,2-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	39.	120
1,2-Dihromo-3-Chloropropane	U	120	ug/Kgdrywt	1	5	250	75.	120
1,2,4-Trichlorobenzene	U	120	ug/Kgdrywt	1	5	250	40.	120
Methyl Acetate	U	150	ug/Kgdrywt	1	5	250	140	150
Methylcyclohexane	U	120	ug/Kgdrywt	1	5	250	48.	120
1,2,4-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	44.	120
1,3,5-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	34.	120
Di-isopropyl ether	U	120	ug/Kgdrywt	1	5	250	100	120
n-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
sec-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
tert-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	45.	120
m+p-Xylene	U	250	ug/Kgdrywt	1	10	500	85.	250
o-Xylene	U	120	ug/Kgdrywt	1	5	250	65.	120
Naphthalene	U	120	ug/Kgdrywt	1	5	250	44.	120
p-Bromofluorobenzene		93.5	%					
Toluene-D8		92.2	%					
1,2-Dichloroethane-D4		102.	%					
Dibromofluoromethane		93.9	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2302.D
Report Date: 08-Jun-2011 15:49

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2302.D
Lab Smp Id: WG91953-4 Client Smp ID: WG91953-MeOHBlank
Inj Date : 24-MAY-2011 20:18 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-4,SE2818
Misc Info : WG91953,T2292,SE2818-11
Comment : SW846 5030,MEOH
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 08-Jun-2011 15:43 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 11 QC Sample: MEOHBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.000	Weight of Sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	400.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
$ 37 Dibromofluoromethane	113	9.140	9.169	(0.927)	220712	46.9485	2350	
$ 45 1,2-Dichloroethane-D4	65	9.907	9.925	(1.005)	210453	50.9390	2550	
$ 55 Toluene-D8	98	12.127	12.145	(1.151)	602439	46.0904	2300	
$ 77 P-Bromofluorobenzene	95	15.696	15.713	(1.490)	252324	46.7414	2340	
* 42 Pentafluorobenzene	168	9.860	9.890	(1.000)	338397	50.0000		
* 49 1,4-Difluorobenzene	114	10.534	10.552	(1.000)	505742	50.0000		
* 66 Chlorobenzene-D5	117	14.080	14.098	(1.000)	420311	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.253	17.283	(1.000)	227331	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2302.D
Report Date: 08-Jun-2011 15:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2302.D
Lab Smp Id: WG91953-4
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-11

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG91953-MeOHBlan
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

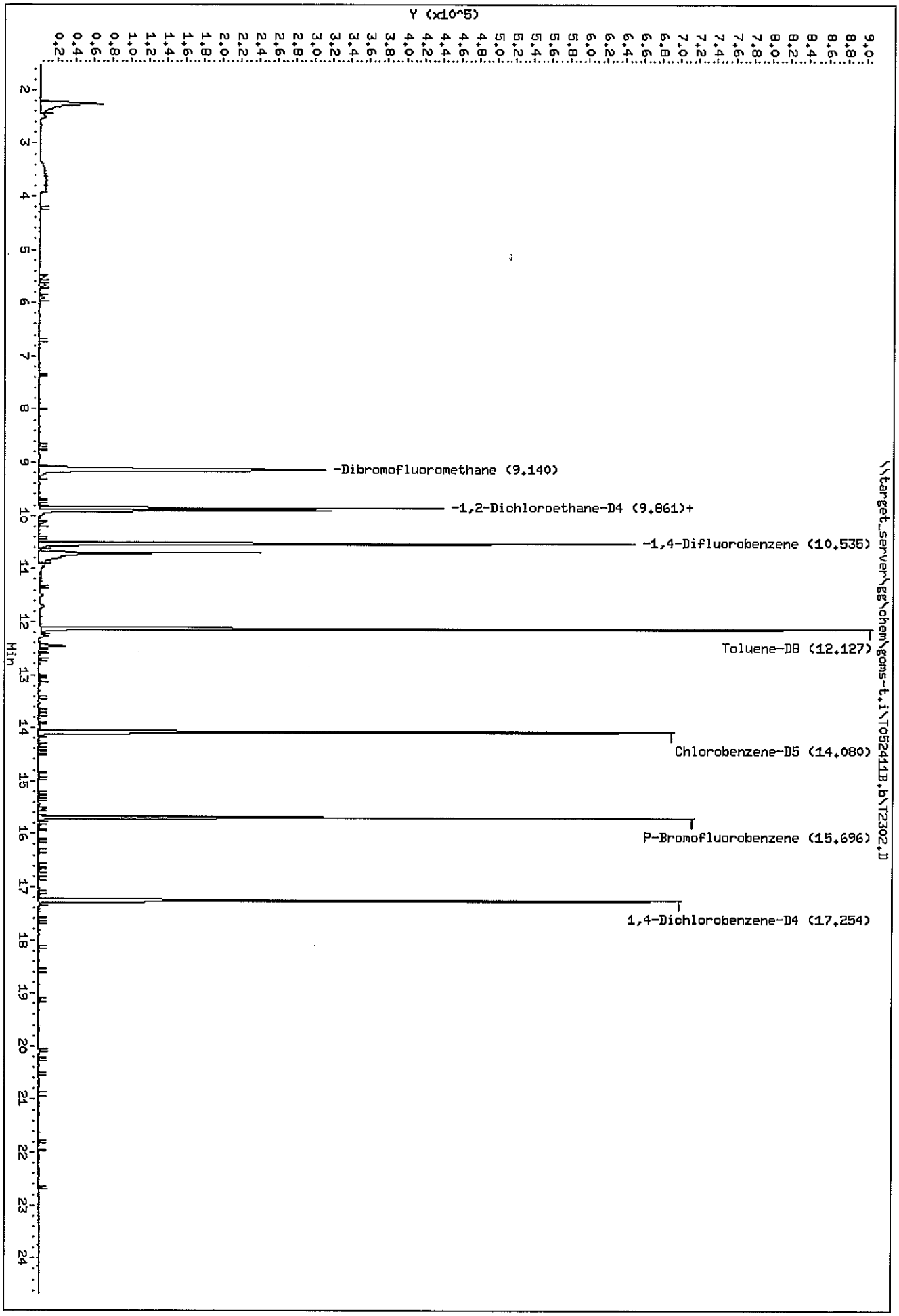
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	338397	-17.37
49 1,4-Difluorobenze	637773	318887	1275546	505742	-20.70
66 Chlorobenzene-D5	477924	238962	955848	420311	-12.05
92 1,4-Dichlorobenze	274556	137278	549112	227331	-17.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.86	-0.29
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.16
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.12
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.25	-0.17

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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\goms-t.i\T052411B.b\T2302.D
Date : 24-MAY-2011 20:18
Client ID: WG91953-MeOHBlank
Sample Info: WG91953-4,SE2818

Instrument: goms-t.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:55

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
1,2,4-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.19	0.50
1,3,5-Trimethylbenzene	U	0.50	ug/L	1	1	1.0	0.20	0.50
Di-isopropyl ether	U	0.50	ug/L	1	1	1.0	0.21	0.50
n-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
sec-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	0.50	ug/L	1	1	1.0	0.31	0.50
m+p-Xylene	U	1.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Naphthalene	U	0.50	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		115.	%					
Toluene-d8	*	131.	%					
1,2-Dichloroethane-d4	*	130.	%					
Dibromofluoromethane	*	130	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2317a.D
Report Date: 08-Jun-2011 15:47

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052511A.b\T2317a.D
Lab Smp Id: WG92042-2 Client Smp ID: WG92042-Blank
Inj Date : 25-MAY-2011 11:33 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG92042-2,SE2818
Misc Info : WG92042,T2292,SE2818-7
Comment : SW846 5030,AQ
Method : \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 08-Jun-2011 15:37 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.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
$ 37 Dibromofluoromethane	113	9.146	9.169	(0.926)	331523	65.2567	65.2(R)	
$ 45 1,2-Dichloroethane-D4	65	9.913	9.925	(1.004)	289172	64.7690	64.8	
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	941208	65.5528	65.6(R)	
$ 77 P-Bromofluorobenzene	95	15.702	15.713	(1.490)	342198	57.7070	57.7	
* 42 Pentafluorobenzene	168	9.878	9.890	(1.000)	365688	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	555547	50.0000		
* 66 Chlorobenzene-D5	117	14.086	14.098	(1.000)	473356	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.271	17.283	(1.000)	229570	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2317a.D
Report Date: 08-Jun-2011 15:47

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2317a.D
Lab Smp Id: WG92042-2
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92042-Blank
Level: LOW
Sample Type: WATER

Method File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: WG92042,T2292,SE2818-7

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

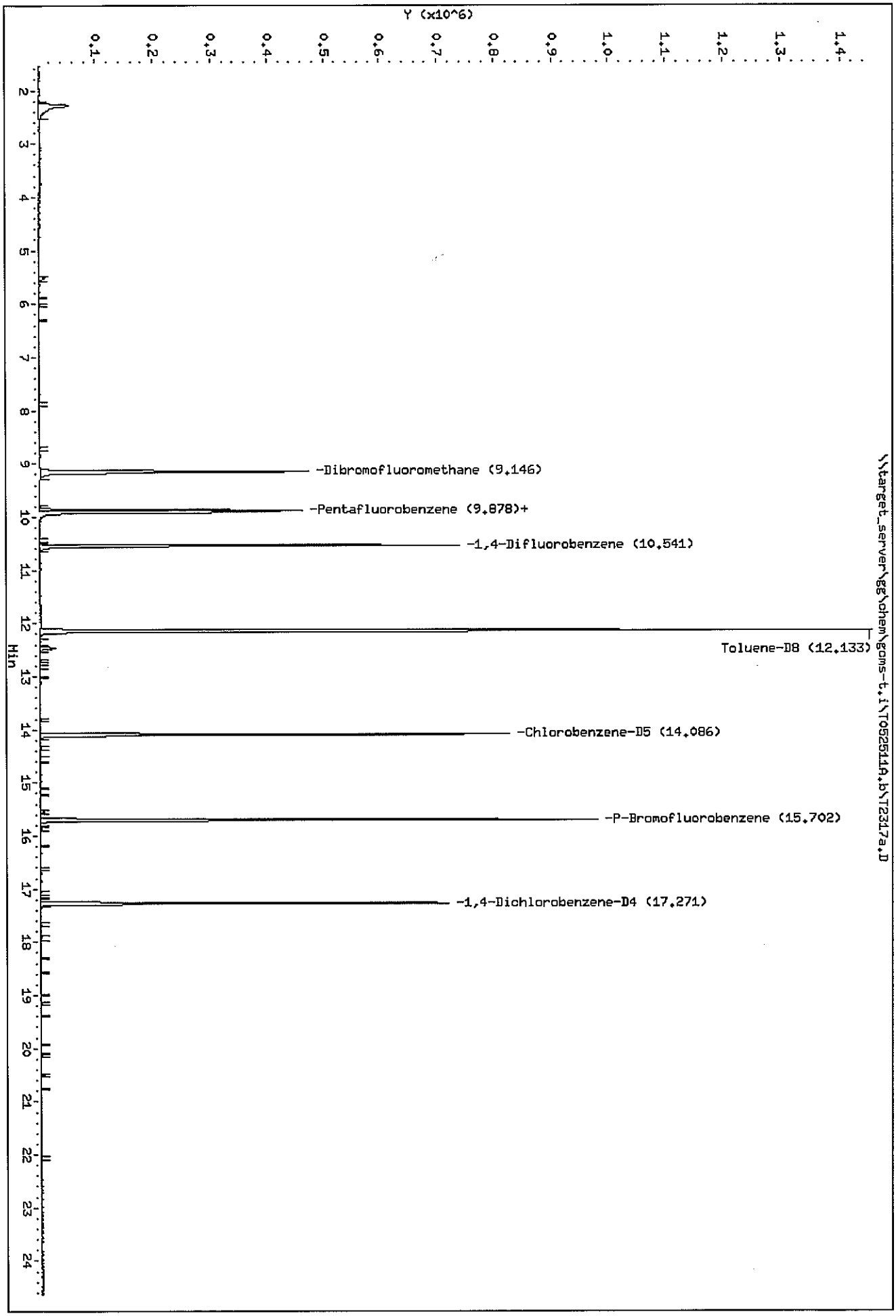
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	365688	-10.70
49 1,4-Difluorobenze	637773	318887	1275546	555547	-12.89
66 Chlorobenzene-D5	477924	238962	955848	473356	-0.96
92 1,4-Dichlorobenze	274556	137278	549112	229570	-16.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.11
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052511A.b\T2317a.D
Date : 25-MAY-2011 11:33
Client ID: WG92042-Blank
Sample Info: WG92042-2,SE2B1B

Instrument: gcms-t.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
Chloromethane	U	250	ug/Kgdrywt	1	10	500	70.	250
Vinyl Chloride	U	250	ug/Kgdrywt	1	10	500	44.	250
Bromomethane	U	250	ug/Kgdrywt	1	10	500	55.	250
Chloroethane	U	250	ug/Kgdrywt	1	10	500	65.	250
Trichlorofluoromethane	U	250	ug/Kgdrywt	1	10	500	46.	250
1,1-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Carbon Disulfide	U	120	ug/Kgdrywt	1	5	250	39.	120
Freon-113	U	120	ug/Kgdrywt	1	5	250	45.	120
Methylene Chloride	U	620	ug/Kgdrywt	1	25	1200	400	620
Acetone	J	260	ug/Kgdrywt	1	25	1200	260	620
trans-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	36.	120
Methyl tert-butyl Ether	U	120	ug/Kgdrywt	1	5	250	55.	120
1,1-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	85.	120
cis-1,2-Dichloroethene	U	120	ug/Kgdrywt	1	5	250	46.	120
Chloroform	U	120	ug/Kgdrywt	1	5	250	18.	120
Carbon Tetrachloride	U	120	ug/Kgdrywt	1	5	250	65.	120
1,1,1-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	21.	120
2-Butanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Benzene	U	120	ug/Kgdrywt	1	5	250	46.	120
Cyclohexane	U	120	ug/Kgdrywt	1	5	250	70.	120
1,2-Dichloroethane	U	120	ug/Kgdrywt	1	5	250	50.	120
Trichloroethene	U	120	ug/Kgdrywt	1	5	250	30.	120
1,2-Dichloropropane	U	120	ug/Kgdrywt	1	5	250	70.	120
Bromodichloromethane	U	120	ug/Kgdrywt	1	5	250	30.	120
cis-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	36.	120
Toluene	U	120	ug/Kgdrywt	1	5	250	70.	120
4-Methyl-2-Pentanone	U	620	ug/Kgdrywt	1	25	1200	300	620
Tetrachloroethene	U	120	ug/Kgdrywt	1	5	250	60.	120
trans-1,3-Dichloropropene	U	120	ug/Kgdrywt	1	5	250	43.	120
1,1,2-Trichloroethane	U	120	ug/Kgdrywt	1	5	250	48.	120
Dibromochloromethane	U	120	ug/Kgdrywt	1	5	250	50.	120
1,2-Dibromoethane	U	120	ug/Kgdrywt	1	5	250	60.	120
2-Hexanone	U	620	ug/Kgdrywt	1	25	1200	240	620

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Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92042-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 09-jun-2011 09:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
Ethylbenzene	U	120	ug/Kgdrywt	1	5	250	32.	120
Styrene	U	120	ug/Kgdrywt	1	5	250	26.	120
Bromoform	U	120	ug/Kgdrywt	1	5	250	35.	120
Isopropylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
1,1,2,2-Tetrachloroethane	U	120	ug/Kgdrywt	1	5	250	42.	120
1,3-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	31.	120
1,4-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	22.	120
1,2-Dichlorobenzene	U	120	ug/Kgdrywt	1	5	250	39.	120
1,2-Dibromo-3-Chloropropane	U	120	ug/Kgdrywt	1	5	250	75.	120
1,2,4-Trichlorobenzene	U	120	ug/Kgdrywt	1	5	250	40.	120
Methyl Acetate	U	150	ug/Kgdrywt	1	5	250	140	150
Methylcyclohexane	U	120	ug/Kgdrywt	1	5	250	48.	120
1,2,4-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	44.	120
1,3,5-Trimethylbenzene	U	120	ug/Kgdrywt	1	5	250	34.	120
Di-isopropyl ether	U	120	ug/Kgdrywt	1	5	250	100	120
n-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
sec-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	46.	120
tert-Butylbenzene	U	120	ug/Kgdrywt	1	5	250	45.	120
m+p-Xylene	U	250	ug/Kgdrywt	1	10	500	85.	250
o-Xylene	U	120	ug/Kgdrywt	1	5	250	65.	120
Naphthalene	U	120	ug/Kgdrywt	1	5	250	44.	120
p-Bromofluorobenzene		110.	%					
Toluene-D8	*	118.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		117.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2318.D
Report Date: 08-Jun-2011 15:49

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052511A.b\T2318.D
Lab Smp Id: WG92042-3 Client Smp ID: WG92042-MeOHBlank
Inj Date : 25-MAY-2011 12:06 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG92042-3,SE2818
Misc Info : WG92042,T2292,SE2818-7
Comment : SW846 5030,MEOH
Method : \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 08-Jun-2011 15:37 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 5 QC Sample: MEOHBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.000	Weight of Sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	400.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/Kgdrywt)	REVIEW (
15 Acetone	43	5.659	5.624	(0.574)	7861	5.22077	261(a)	
$ 37 Dibromofluoromethane	113	9.146	9.169	(0.927)	294736	58.5722	2930	
$ 45 1,2-Dichloroethane-D4	65	9.902	9.925	(1.004)	269045	60.8391	3040	
$ 55 Toluene-D8	98	12.133	12.145	(1.152)	817409	59.0541	2950(R)	
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.490)	315111	55.1214	2760	
* 42 Pentafluorobenzene	168	9.867	9.890	(1.000)	362213	50.0000		
* 49 1,4-Difluorobenzene	114	10.529	10.552	(1.000)	535569	50.0000		
* 66 Chlorobenzene-D5	117	14.086	14.098	(1.000)	465761	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.260	17.283	(1.000)	230717	50.0000		

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-t.i\T052511A.b\T2318.D
Report Date: 08-Jun-2011 15:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2318.D
Lab Smp Id: WG92042-3
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: WG92042,T2292,SE2818-7

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92042-MeOHBlan
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

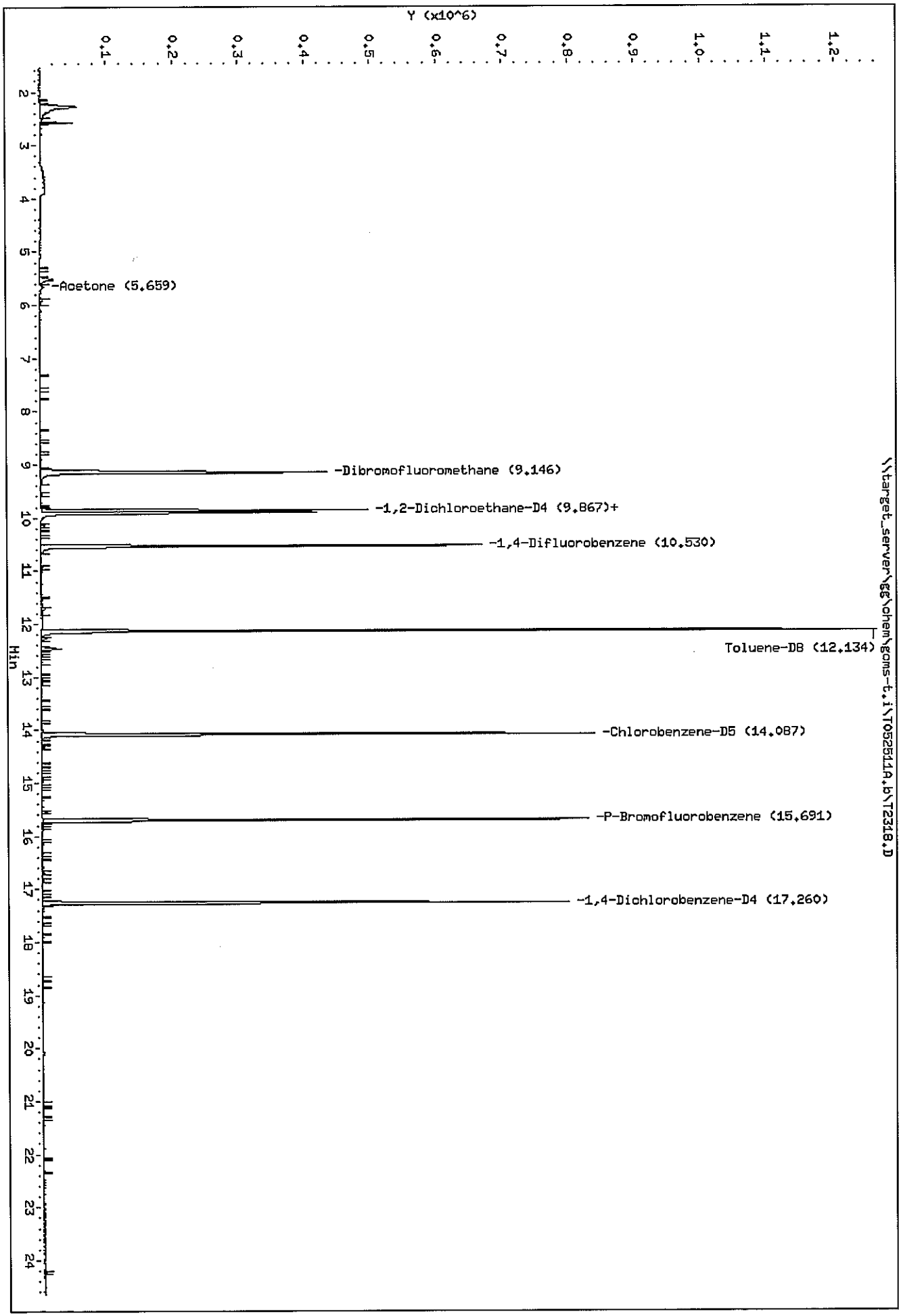
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	362213	-11.55
49 1,4-Difluorobenze	637773	318887	1275546	535569	-16.03
66 Chlorobenzene-D5	477924	238962	955848	465761	-2.54
92 1,4-Dichlorobenze	274556	137278	549112	230717	-15.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.23
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.21
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\goms-t.i\T052511A.b\T2318.D
Date : 25-MAY-2011 12:06
Client ID: WG92042-MeOHBlank
Sample Info: WG92042-3,SE2818

Instrument: goms-t.i



Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2318.D

Date : 25-MAY-2011 12:06

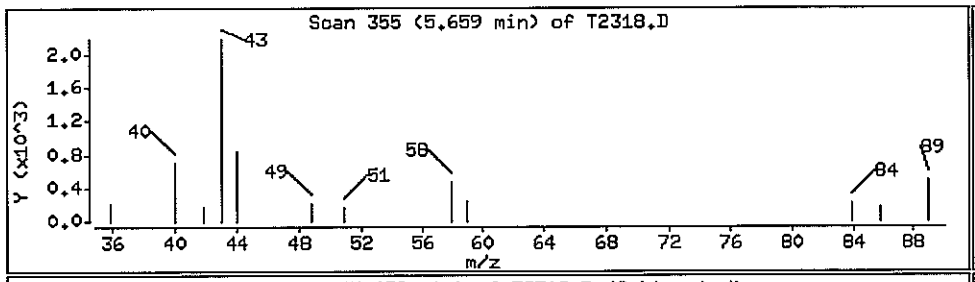
Client ID: WG92042-MeOHBlank

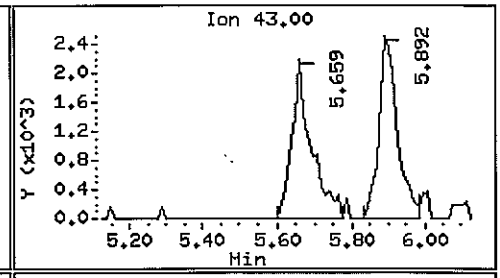
Instrument: gcms-t.i

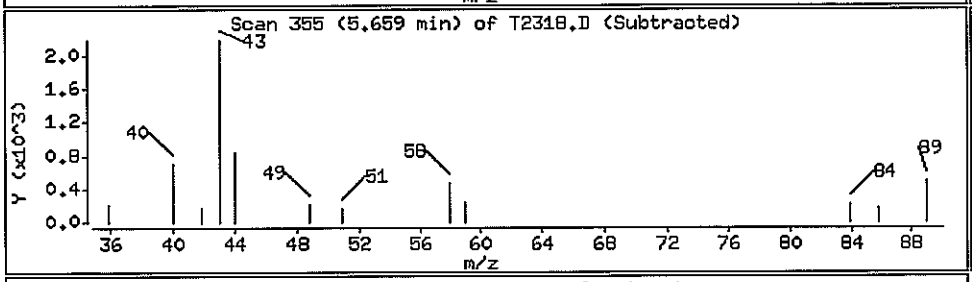
Sample Info: WG92042-3,SE2818

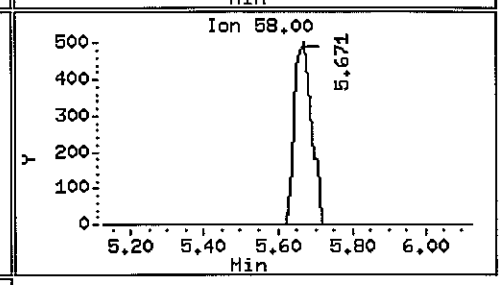
15 Acetone

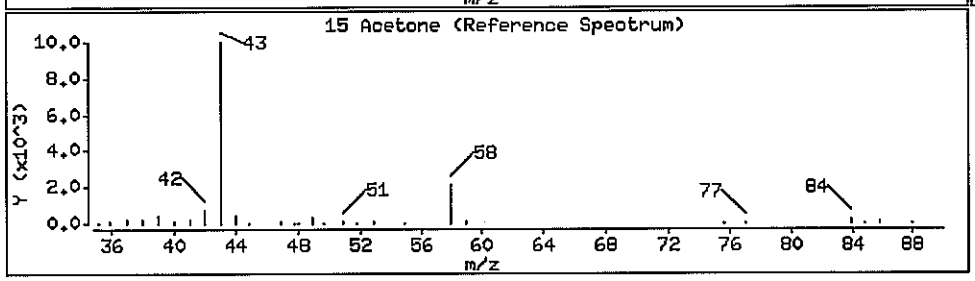
Concentration: 261 ug/Kgdrywt











Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92097-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 16:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
P-Bromofluorobenzene		112.	%					
Toluene-d8	*	124.	%					
1,2-Dichloroethane-d4	*	129.	%					
Dibromofluoromethane	*	122.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2362A.D
Report Date: 08-Jun-2011 15:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2362A.D
Lab Smp Id: WG92097-2 Client Smp ID: WG92097-Blank
Inj Date : 27-MAY-2011 11:22 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : WG92097-2,SE2818
Misc Info : WG92097,T2292,SE2818-1
Comment : SW846 5030,AQ
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 15:51 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.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
$ 37 Dibromofluoromethane	113	9.150	9.169	(0.927)	321958	60.9207	60.9(R)	
* 42 Pentafluorobenzene	168	9.871	9.890	(1.000)	380414	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.905	9.925	(1.004)	299389	64.4616	64.5	
* 49 1,4-Difluorobenzene	114	10.533	10.552	(1.000)	568555	50.0000		
$ 55 Toluene-D8	98	12.137	12.145	(1.152)	908158	61.8038	61.8(R)	
* 66 Chlorobenzene-D5	117	14.090	14.098	(1.000)	482496	50.0000		
$ 77 P-Bromofluorobenzene	95	15.694	15.713	(1.490)	340810	56.1580	56.2	
* 92 1,4-Dichlorobenzene-D4	152	17.264	17.283	(1.000)	230923	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2362A.D
Report Date: 08-Jun-2011 15:59

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2362A.D
Lab Smp Id: WG92097-2
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292,SE2818-1

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92097-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

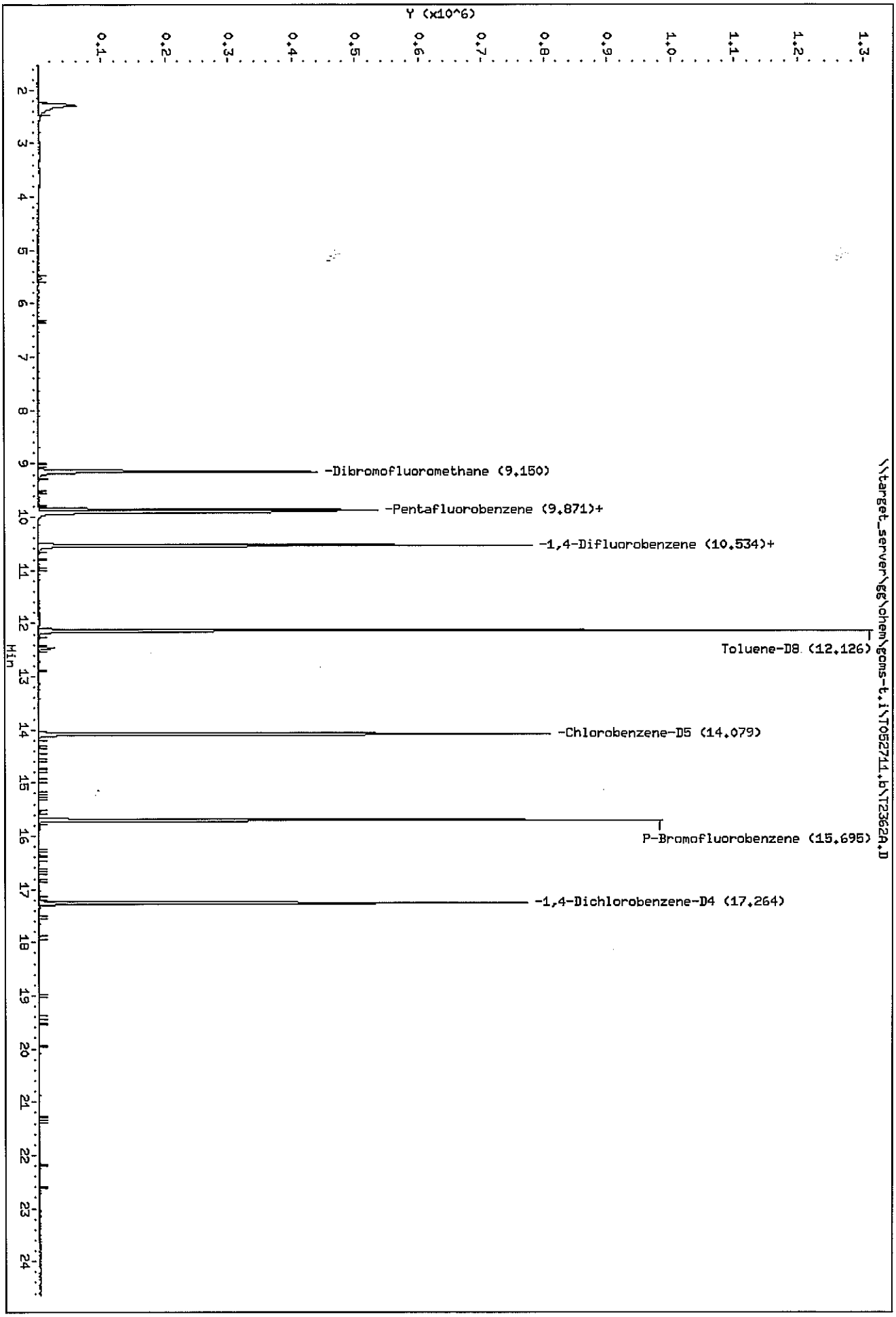
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	380414	-7.11
49 1,4-Difluorobenze	637773	318887	1275546	568555	-10.85
66 Chlorobenzene-D5	477924	238962	955848	482496	0.96
92 1,4-Dichlorobenze	274556	137278	549112	230923	-15.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.19
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.18
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.05
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\gcms-t.i\T052711.b\T2362A.D
Date : 27-MAY-2011 11:22
Client ID: WG92097-Blank
Sample Info: WG92097-2,SE2818

Instrument: gcms-t.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG92097-3
Client ID: Methanol Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 27-MAY-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 16:09

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Chlorobenzene	U	120	ug/Kgdrywt	1	5	250	26.	120
p-Bromofluorobenzene		104.	%					
Toluene-D8		112.	%					
1,2-Dichloroethane-D4		122.	%					
Dibromofluoromethane		113.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2363.D
Report Date: 08-Jun-2011 16:04

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2363.D
Lab Smp Id: WG92097-3 Client Smp ID: WG92097-MeOHBlank
Inj Date : 27-MAY-2011 11:55 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : WG92097-3,SE2818
Misc Info : WG92097,T2292,SE2818-1
Comment : SW846 5030,MEOH
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 15:51 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 7 QC Sample: MEOHBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.sub
Target Version: 4.12

Concentration Formula:
Amt * DF * (100/(100-M))*(Vo/Ws)*(Vt+(Ws-(((100-M)/100)*Ws)))/Va * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% moisture
Vo	20000.000	Prep Volume (uL)
Ws	5.000	Weight of Sample (g)
Vt	5.000	Volume of MeOH (mL)
Va	400.000	MeOH Aliquot (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/1)	FINAL (ug/Kgdrywt)	REVIEW (
$ 37 Dibromofluoromethane	113	9.141	9.169	(0.927)	279103	56.4544	2820	
* 42 Pentafluorobenzene	168	9.862	9.890	(1.000)	355868	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.897	9.925	(1.004)	265568	61.1235	3060(R)	
* 49 1,4-Difluorobenzene	114	10.536	10.552	(1.000)	533100	50.0000		
$ 55 Toluene-D8	98	12.129	12.145	(1.151)	775169	56.2618	2810	
* 66 Chlorobenzene-D5	117	14.082	14.098	(1.000)	459831	50.0000		
$ 77 P-Bromofluorobenzene	95	15.697	15.713	(1.490)	294751	51.7986	2590	
* 92 1,4-Dichlorobenzene-D4	152	17.267	17.283	(1.000)	224330	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2363.D
Report Date: 08-Jun-2011 16:04

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2363.D
Lab Smp Id: WG92097-3
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292,SE2818-1

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92097-MeOHBlan
Level: MED
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

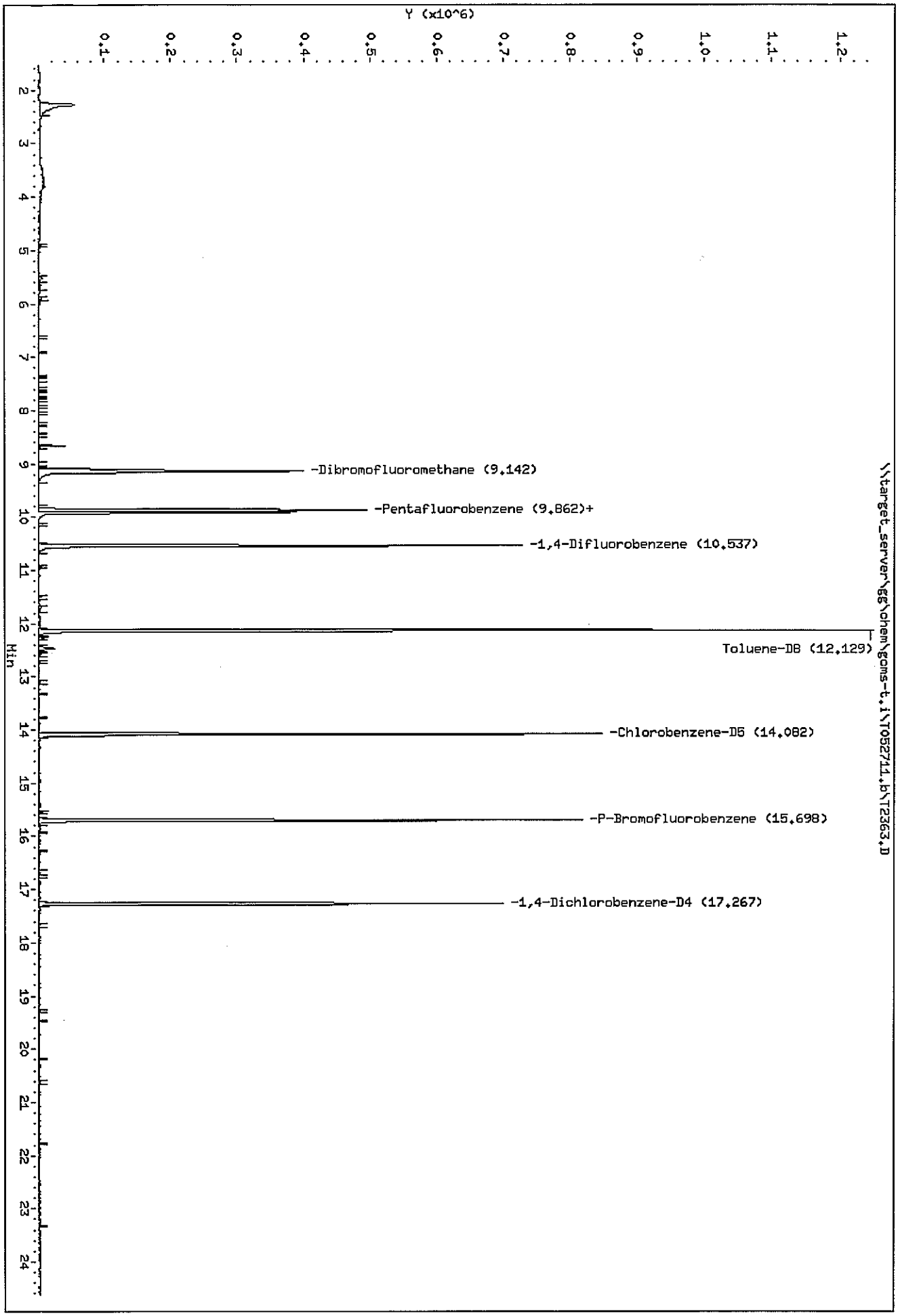
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	355868	-13.10
49 1,4-Difluorobenze	637773	318887	1275546	533100	-16.41
66 Chlorobenzene-D5	477924	238962	955848	459831	-3.79
92 1,4-Dichlorobenze	274556	137278	549112	224330	-18.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.86	-0.27
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.15
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.11
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052711.b\T2363.D
Date : 27-MAY-2011 11:55
Client ID: WG92097-MeOHBlank
Sample Info: WG92097-3,SE2818

Instrument: gcms-t.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	133.	50.0	66.7	ug/L	50-155
Chloromethane	109.	50.0	54.4	ug/L	40-125
Vinyl Chloride	110.	50.0	55.0	ug/L	50-145
Bromomethane	98.0	50.0	49.0	ug/L	30-145
Chloroethane	113.	50.0	56.6	ug/L	60-135
Trichlorofluoromethane	99.6	50.0	49.8	ug/L	60-145
1,1-Dichloroethene	101.	50.0	50.5	ug/L	70-130
Carbon Disulfide	90.8	50.0	45.4	ug/L	35-160
Freon-113	85.8	50.0	42.9	ug/L	73-126
Methylene Chloride	102.	50.0	51.1	ug/L	55-140
Acetone	114.	50.0	57.0	ug/L	40-140
trans-1,2-Dichloroethene	97.4	50.0	48.7	ug/L	60-140
Methyl tert-butyl Ether	90.5	100.	90.5	ug/L	65-125
1,1-Dichloroethane	98.4	50.0	49.2	ug/L	70-135
cis-1,2-Dichloroethene	95.6	50.0	47.8	ug/L	70-125
Carbon Tetrachloride	94.0	50.0	47.0	ug/L	65-140
1,1,1-Trichloroethane	94.6	50.0	47.3	ug/L	65-130
2-Butanone	109.	50.0	54.4	ug/L	30-150
Benzene	99.6	50.0	49.8	ug/L	80-120
Cyclohexane	96.6	50.0	48.3	ug/L	71-133
1,2-Dichloroethane	95.0	50.0	47.5	ug/L	70-130
Trichloroethene	96.2	50.0	48.1	ug/L	70-125
1,2-Dichloropropane	100.	50.0	50.0	ug/L	75-125
Bromodichloromethane	102.	50.0	51.0	ug/L	75-120
cis-1,3-Dichloropropene	102.	50.0	51.1	ug/L	70-130
Toluene	96.8	50.0	48.4	ug/L	75-120
4-Methyl-2-Pentanone	94.6	50.0	47.3	ug/L	60-135
Tetrachloroethene	99.4	50.0	49.7	ug/L	45-150
trans-1,3-Dichloropropene	109.	50.0	54.4	ug/L	55-140
1,1,2-Trichloroethane	102.	50.0	50.8	ug/L	75-125
Dibromochloromethane	86.4	50.0	43.2	ug/L	60-135
1,2-Dibromoethane	98.2	50.0	49.1	ug/L	80-120
2-Hexanone	105.	50.0	52.5	ug/L	55-130
Chlorobenzene	93.2	50.0	46.6	ug/L	80-120
Ethylbenzene	94.0	50.0	47.0	ug/L	75-125

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ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Styrene	95.4	50.0	47.7	ug/L	65-135
Isopropylbenzene	104.	50.0	52.0	ug/L	75-125
1,1,2,2-Tetrachloroethane	93.8	50.0	46.9	ug/L	65-130
1,3-Dichlorobenzene	91.4	50.0	45.7	ug/L	75-125
1,4-Dichlorobenzene	90.0	50.0	45.0	ug/L	75-125
1,2-Dichlorobenzene	90.6	50.0	45.3	ug/L	70-120
1,2-Dibromo-3-Chloropropane	95.8	50.0	47.9	ug/L	50-130
1,2,4-Trichlorobenzene	97.8	50.0	48.9	ug/L	65-135
Methyl Acetate	92.2	50.0	46.1	ug/L	70-132
Methylcyclohexane	81.2	50.0	40.6	ug/L	73-125
1,2,4-Trimethylbenzene	91.8	50.0	45.9	ug/L	75-130
1,3,5-Trimethylbenzene	89.6	50.0	44.8	ug/L	75-130
Di-isopropyl ether	93.4	50.0	46.7	ug/L	81-123
n-Butylbenzene	95.6	50.0	47.8	ug/L	70-135
sec-Butylbenzene	90.2	50.0	45.1	ug/L	70-125
tert-Butylbenzene	91.2	50.0	45.6	ug/L	70-130
m+p-Xylene	91.7	100.	91.7	ug/L	75-130
o-Xylene	95.8	50.0	47.9	ug/L	80-120
Naphthalene	88.8	50.0	44.4	ug/L	55-140
P-Bromofluorobenzene	77.6				75-120
Toluene-d8	* 82.6				85-120
1,2-Dichloroethane-d4	80.4				70-120
Dibromofluoromethane	* 84.3				85-115

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298C.D
Report Date: 08-Jun-2011 15:48

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298C.D
Lab Smp Id: WG91953-1 Client Smp ID: WG91953-LCS
Inj Date : 24-MAY-2011 17:55 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-1,SE2818
Misc Info : WG91953,T2292,SE2818-11
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 08-Jun-2011 15:43 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.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	2.490	2.497	(0.252)	487437	66.6676	66.7	
2 Chloromethane	50	2.781	2.787	(0.281)	473463	54.3860	54.4	
3 Vinyl chloride	62	2.874	2.880	(0.291)	378424	55.0580	55.0	
4 Bromomethane	94	3.339	3.334	(0.338)	165523	49.0224	49.0	
5 Chloroethane	64	3.525	3.520	(0.357)	148489	56.5976	56.6	
6 Trichlorofluoromethane	101	3.722	3.729	(0.377)	467046	49.7777	49.8	
9 1,1-Dichloroethene	96	4.513	4.519	(0.457)	303885	50.5052	50.5	
10 Carbon Disulfide	76	4.559	4.554	(0.461)	865060	45.4335	45.4	
11 Freon-113	151	4.583	4.589	(0.464)	214379	42.9074	42.9	
14 Methylene Chloride	84	5.524	5.531	(0.559)	325254	51.0884	51.1	
15 Acetone	43	5.617	5.624	(0.568)	99012	57.0590	57.0	
17 trans-1,2-Dichloroethene	96	5.838	5.844	(0.591)	330650	48.6655	48.7	
19 Methyl tert-butyl ether	73	6.082	6.089	(0.615)	689720	90.4864	90.5	
25 1,1-Dichloroethane	63	7.175	7.181	(0.726)	507371	49.1815	49.2	
29 cis-1,2-Dichloroethene	96	8.349	8.355	(0.845)	333558	47.8231	47.8	
34 Chloroform	83	8.872	8.878	(0.898)	511284	49.3150	49.3	
35 Carbon Tetrachloride	117	9.070	9.076	(0.860)	330124	46.9743	47.0	
38 1,1,1-Trichloroethane	97	9.186	9.192	(0.929)	431215	47.2757	47.3	
40 2-Butanone	43	9.360	9.367	(0.947)	97767	54.4487	54.4	
41 Benzene	78	9.732	9.739	(0.923)	985460	49.7955	49.8	
43 Cyclohexane	56	8.721	8.727	(0.882)	414927	48.3053	48.3	
47 1,2-Dichloroethane	62	10.011	10.018	(0.949)	350175	47.4944	47.5	
48 Trichloroethene	95	10.499	10.506	(0.996)	273292	48.1017	48.1	
51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	248398	50.0333	50.0	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298C.D
Report Date: 08-Jun-2011 15:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
52 Bromodichloromethane	83	11.174	11.180	(1.060)	373858	50.9991	51.0	
53 cis-1,3-dichloropropene	75	11.918	11.912	(1.130)	419190	51.0840	51.1	
57 Toluene	92	12.208	12.214	(1.158)	618931	48.4270	48.4	
58 4-methyl-2-pentanone	43	12.673	12.679	(1.202)	178287	47.2786	47.3	
59 Tetrachloroethene	164	12.685	12.691	(0.900)	265500	49.7179	49.7	
60 trans-1,3-Dichloropropene	75	12.720	12.726	(1.206)	349906	54.4396	54.4	
61 1,1,2-Trichloroethane	83	12.917	12.924	(1.225)	160468	50.7704	50.8	
62 Dibromochloromethane	129	13.150	13.144	(0.933)	287487	43.2460	43.2	
64 1,2-Dibromoethane	107	13.440	13.447	(1.274)	239504	49.1161	49.1	
65 2-Hexanone	43	13.719	13.726	(0.974)	124165	52.5366	52.5	
67 Chlorobenzene	112	14.114	14.121	(1.002)	664018	46.5858	46.6	
69 Ethylbenzene	106	14.149	14.156	(1.004)	350683	46.9917	47.0	
74 Styrene	104	14.975	14.981	(1.063)	696457	47.7299	47.7	
75 Bromoform	173	15.010	15.016	(1.065)	186630	42.7706	42.8	
76 Isopropylbenzene	105	15.323	15.330	(0.888)	1083761	51.9825	52.0	
82 1,1,2,2-Tetrachloroethane	83	15.963	15.969	(0.925)	213463	46.8712	46.9	
91 1,3-Dichlorobenzene	146	17.172	17.178	(0.995)	528754	45.7248	45.7	
93 1,4-Dichlorobenzene	146	17.288	17.306	(1.001)	514405	44.9673	45.0	
96 1,2-Dichlorobenzene	146	17.904	17.910	(1.037)	474506	45.2805	45.3	
97 1,2-Dibromo-3-Chloropropane	75	19.078	19.096	(1.105)	31299	47.8693	47.9	
100 1,2,4-Trichlorobenzene	180	20.124	20.131	(1.166)	312840	48.8809	48.9	
104 Methyl Acetate	43	5.885	5.891	(0.595)	165078	46.0990	46.1	
105 Methylcyclohexane	83	10.488	10.494	(1.061)	362463	40.6436	40.6	
89 1,2,4-Trimethylbenzene	105	16.695	16.701	(0.967)	870112	45.9341	45.9	
83 1,3,5-Trimethylbenzene	105	16.149	16.155	(0.935)	846096	44.8120	44.8	
21 Di-isopropyl ether	45	6.954	6.960	(0.704)	862959	46.7265	46.7	
94 N-Butylbenzene	91	17.660	17.666	(1.023)	777436	47.8224	47.8	
95 sec-Butylbenzene	105	16.858	16.864	(0.976)	1118122	45.0864	45.1	
87 tert-Butylbenzene	119	16.602	16.608	(0.962)	880929	45.5999	45.6	
72 m+p-Xylenes	106	14.335	14.342	(1.017)	812030	91.7464	91.7	
73 o-Xylene	106	14.905	14.911	(1.058)	425744	47.9257	47.9	
102 Naphthalene	128	20.624	20.642	(1.195)	404907	44.3839	44.4	
$ 37 Dibromofluoromethane	113	9.163	9.169	(0.927)	244531	42.1669	42.2(R)	
$ 45 1,2-Dichloroethane-D4	65	9.918	9.925	(1.004)	204816	40.1884	40.2	
$ 55 Toluene-D8	98	12.138	12.145	(1.151)	671347	41.3017	41.3(R)	
$ 77 P-Bromofluorobenzene	95	15.707	15.713	(1.489)	260358	38.7827	38.8	
* 42 Pentafluorobenzene	168	9.883	9.890	(1.000)	417431	50.0000		
* 49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	628934	50.0000		
* 66 Chlorobenzene-D5	117	14.091	14.098	(1.000)	485875	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.265	17.283	(1.000)	272425	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298C.D
Report Date: 08-Jun-2011 15:48

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2298C.D
Lab Smp Id: WG91953-1
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-11

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG91953-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

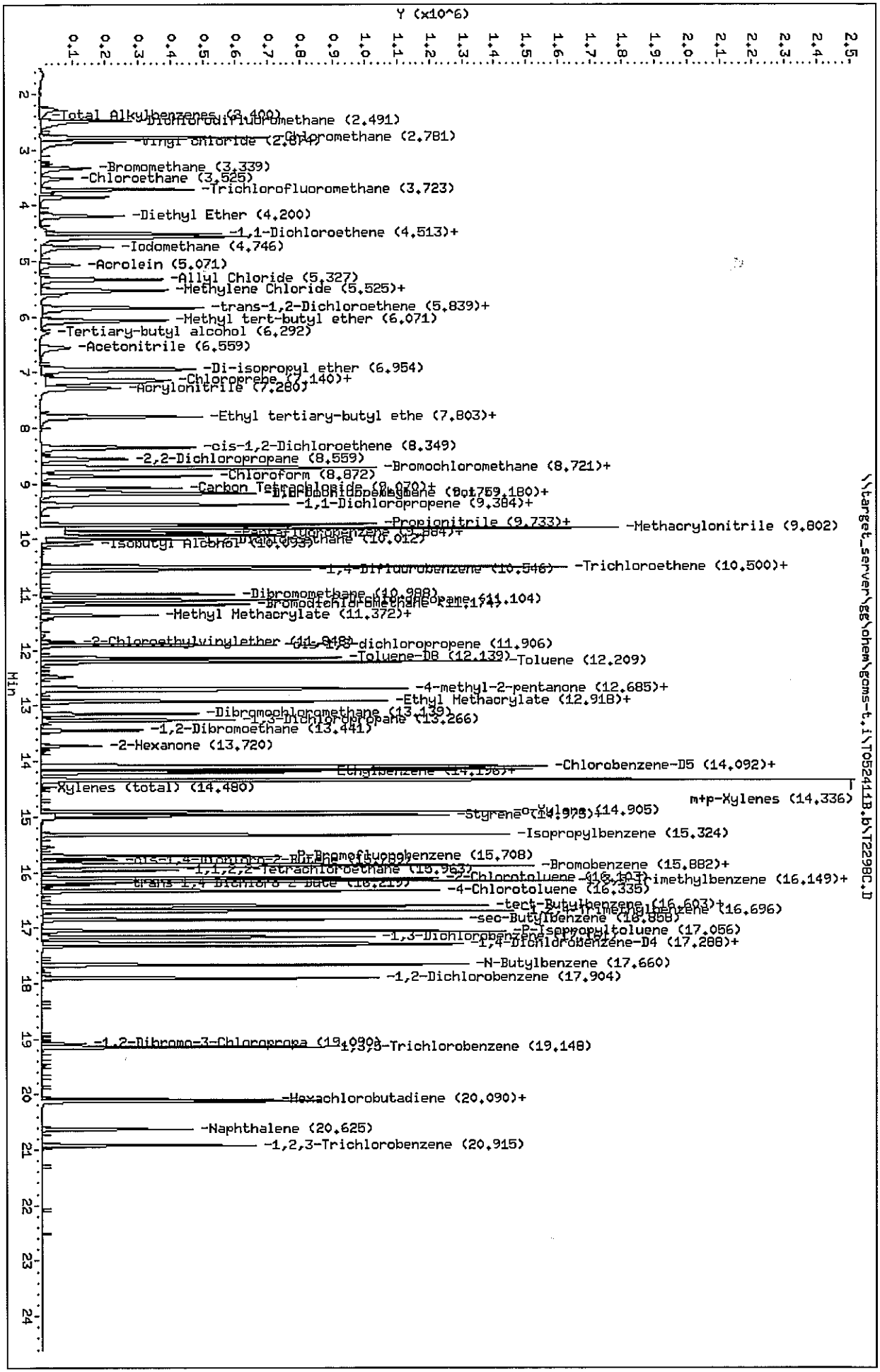
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	417431	1.93
49 1,4-Difluorobenze	637773	318887	1275546	628934	-1.39
66 Chlorobenzene-D5	477924	238962	955848	485875	1.66
92 1,4-Dichlorobenze	274556	137278	549112	272425	-0.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.06
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.04
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\ohem\gcms-t.i\T052411B.b\T2298C.D
Date : 24-MAY-2011 17:55
Client ID: WG91953-LCS
Sample Info: WG91953-1,SE2818
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWH
Column diameter: 0.18



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ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92042-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 26-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:56

Componnd	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	125.	50.0	62.3	ug/L	50-155
Chloromethane	109.	50.0	54.7	ug/L	40-125
Vinyl Chloride	105.	50.0	52.7	ug/L	50-145
Bromomethane	91.2	50.0	45.6	ug/L	30-145
Chloroethane	104.	50.0	52.1	ug/L	60-135
Trichlorofluoromethane	90.2	50.0	45.1	ug/L	60-145
1,1-Dichloroethene	95.2	50.0	47.6	ug/L	70-130
Carbon Disulfide	88.0	50.0	44.0	ug/L	35-160
Freon-113	90.0	50.0	45.0	ug/L	73-126
Methylene Chloride	99.6	50.0	49.8	ug/L	55-140
Acetone	102.	50.0	51.1	ug/L	40-140
trans-1,2-Dichloroethene	91.4	50.0	45.7	ug/L	60-140
Methyl tert-butyl Ether	102.	100.	102.	ug/L	65-125
1,1-Dichloroethane	98.4	50.0	49.2	ug/L	70-135
cis-1,2-Dichloroethene	92.8	50.0	46.4	ug/L	70-125
Carbon Tetrachloride	83.6	50.0	41.8	ug/L	65-140
1,1,1-Trichloroethane	88.8	50.0	44.4	ug/L	65-130
2-Butanone	110.	50.0	54.8	ug/L	30-150
Benzene	98.2	50.0	49.1	ug/L	80-120
Cyclohexane	100.	50.0	50.1	ug/L	71-133
1,2-Dichloroethane	87.8	50.0	43.9	ug/L	70-130
Trichloroethene	90.0	50.0	45.0	ug/L	70-125
1,2-Dichloropropane	99.0	50.0	49.5	ug/L	75-125
Bromodichloromethane	96.8	50.0	48.4	ug/L	75-120
cis-1,3-Dichloropropene	96.6	50.0	48.3	ug/L	70-130
Toluene	93.6	50.0	46.8	ug/L	75-120
4-Methyl-2-Pentanone	95.8	50.0	47.9	ug/L	60-135
Tetrachloroethene	88.8	50.0	44.4	ug/L	45-150
trans-1,3-Dichloropropene	105.	50.0	52.7	ug/L	55-140
1,1,2-Trichloroethane	101.	50.0	50.6	ug/L	75-125
Dibromochloromethane	78.6	50.0	39.3	ug/L	60-135
1,2-Dibromoethane	90.2	50.0	45.1	ug/L	80-120
2-Hexanone	105.	50.0	52.6	ug/L	55-130
Chlorobenzene	86.0	50.0	43.0	ug/L	80-120
Ethylbenzene	86.4	50.0	43.2	ug/L	75-125

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ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92042-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 26-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG92042

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 15:56

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Styrene	89.4	50.0	44.7	ug/L	65-135
Isopropylbenzene	99.4	50.0	49.7	ug/L	75-125
1,1,2,2-Tetrachloroethane	93.0	50.0	46.5	ug/L	65-130
1,3-Dichlorobenzene	84.0	50.0	42.0	ug/L	75-125
1,4-Dichlorobenzene	84.2	50.0	42.1	ug/L	75-125
1,2-Dichlorobenzene	83.8	50.0	41.9	ug/L	70-120
1,2-Dibromo-3-Chloropropane	94.8	50.0	47.4	ug/L	50-130
1,2,4-Trichlorobenzene	87.0	50.0	43.5	ug/L	65-135
Methyl Acetate	108.	50.0	53.9	ug/L	70-132
Methylcyclohexane	94.6	50.0	47.3	ug/L	73-125
1,2,4-Trimethylbenzene	84.6	50.0	42.3	ug/L	75-130
1,3,5-Trimethylbenzene	83.8	50.0	41.9	ug/L	75-130
Di-isopropyl ether	111.	50.0	55.7	ug/L	81-123
n-Butylbenzene	94.2	50.0	47.1	ug/L	70-135
sec-Butylbenzene	87.2	50.0	43.6	ug/L	70-125
tert-Butylbenzene	86.8	50.0	43.4	ug/L	70-130
m+p-Xylene	87.6	100.	87.6	ug/L	75-130
o-Xylene	88.2	50.0	44.1	ug/L	80-120
Naphthalene	79.4	50.0	39.7	ug/L	55-140
P-Bromofluorobenzene	96.1				75-120
Toluene-d8	100.				85-120
1,2-Dichloroethane-d4	100.				70-120
Dibromofluoromethane	102.				85-115

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Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2315a.D
Report Date: 08-Jun-2011 15:47

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052511A.b\T2315a.D
Lab Smp Id: WG92042-1 Client Smp ID: WG92042-LCS
Inj Date : 25-MAY-2011 10:05 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG92042-1,SE2818
Misc Info : WG92042,T2292,SE2818-7
Comment : SW846 5030,AQ
Method : \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Meth Date : 08-Jun-2011 15:37 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OSAGE-SITE6-WC.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	2.492	2.497	(0.252)	450710	62.3068	62.3	
2 Chloromethane	50	2.782	2.787	(0.282)	471165	54.7036	54.7	
3 Vinyl chloride	62	2.875	2.880	(0.291)	358681	52.7463	52.7	
4 Bromomethane	94	3.328	3.334	(0.337)	152329	45.5995	45.6	
5 Chloroethane	64	3.514	3.520	(0.356)	136693	52.0751	52.1	
6 Trichlorofluoromethane	101	3.712	3.729	(0.376)	420230	45.0753	45.1	
9 1,1-Dichloroethene	96	4.503	4.519	(0.456)	283566	47.6347	47.6	
10 Carbon Disulfide	76	4.549	4.554	(0.461)	829876	44.0540	44.0	
11 Freon-113	151	4.572	4.589	(0.463)	222607	45.0330	45.0	
14 Methylene Chloride	84	5.514	5.531	(0.559)	313779	49.7818	49.8	
15 Acetone	43	5.607	5.624	(0.568)	87694	51.0797	51.1	
17 trans-1,2-Dichloroethene	96	5.828	5.844	(0.590)	307302	45.7151	45.7	
19 Methyl tert-butyl ether	73	6.060	6.089	(0.614)	765510	101.509	102	
25 1,1-Dichloroethane	63	7.164	7.181	(0.726)	501776	49.1618	49.2	
29 cis-1,2-Dichloroethene	96	8.338	8.355	(0.845)	320526	46.4485	46.4	
34 Chloroform	83	8.862	8.878	(0.898)	485909	47.3712	47.4	
35 Carbon Tetrachloride	117	9.059	9.076	(0.860)	297218	41.7894	41.8	
38 1,1,1-Trichloroethane	97	9.175	9.192	(0.929)	400943	44.3696	44.4	
40 2-Butanone	43	9.350	9.367	(0.947)	97378	54.8148	54.8	
41 Benzene	78	9.722	9.739	(0.923)	985067	49.1253	49.1	
43 Cyclohexane	56	8.710	8.727	(0.882)	426190	50.1497	50.1	
47 1,2-Dichloroethane	62	10.001	10.018	(0.949)	327827	43.8825	43.9	
48 Trichloroethene	95	10.489	10.506	(0.996)	258808	44.9573	45.0	
51 1,2-Dichloropropane	63	11.093	11.099	(1.053)	248877	49.4749	49.5	

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2315a.D
Report Date: 08-Jun-2011 15:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	52 Bromodichloromethane	83	11.163	11.180	(1.060)	359600	48.4133	48.4	
	53 cis-1,3-dichloropropene	75	11.907	11.912	(1.130)	401534	48.2931	48.3	
	57 Toluene	92	12.198	12.214	(1.158)	605582	46.7635	46.8	
	58 4-methyl-2-pentanone	43	12.663	12.679	(1.202)	182952	47.9169	47.9	
	59 Tetrachloroethene	164	12.674	12.691	(0.899)	246227	44.4165	44.4	
	60 trans-1,3-Dichloropropene	75	12.709	12.726	(1.206)	343119	52.6863	52.7	
	61 1,1,2-Trichloroethane	83	12.907	12.924	(1.225)	162163	50.6364	50.6	
	62 Dibromochloromethane	129	13.139	13.144	(0.932)	268578	39.3426	39.3	
	64 1,2-Dibromoethane	107	13.441	13.447	(1.276)	222932	45.1203	45.1	
	65 2-Hexanone	43	13.709	13.726	(0.973)	129197	52.6594	52.6	
	67 Chlorobenzene	112	14.116	14.121	(1.002)	636426	43.0112	43.0	
	69 Ethylbenzene	106	14.151	14.156	(1.004)	334462	43.1732	43.2	
	74 Styrene	104	14.964	14.981	(1.062)	677638	44.7358	44.7	
	75 Bromoform	173	14.999	15.016	(1.064)	171294	38.2435	38.2	
	76 Isopropylbenzene	105	15.313	15.330	(0.887)	1059431	49.6623	49.7	
	82 1,1,2,2-Tetrachloroethane	83	15.964	15.969	(0.925)	216688	46.4996	46.5	
	91 1,3-Dichlorobenzene	146	17.161	17.178	(0.994)	496686	41.9770	42.0	
	93 1,4-Dichlorobenzene	146	17.289	17.306	(1.001)	493352	42.1482	42.1	
	96 1,2-Dichlorobenzene	146	17.905	17.910	(1.037)	449052	41.8791	41.9	
	97 1,2-Dibromo-3-Chloropropane	75	19.079	19.096	(1.105)	31689	47.3659	47.4	
	100 1,2,4-Trichlorobenzene	180	20.125	20.131	(1.166)	285302	43.4886	43.5	
	104 Methyl Acetate	43	5.874	5.891	(0.595)	191019	53.9164	53.9	
	105 Methylcyclohexane	83	10.477	10.494	(1.061)	408769	47.3003	47.3	
	89 1,2,4-Trimethylbenzene	105	16.696	16.701	(0.967)	820780	42.3465	42.3	
	83 1,3,5-Trimethylbenzene	105	16.150	16.155	(0.935)	809241	41.8874	41.9	
	21 Di-isopropyl ether	45	6.932	6.960	(0.702)	1018452	55.7386	55.7	
	94 N-Butylbenzene	91	17.661	17.666	(1.023)	783209	47.0842	47.1	
	95 sec-Butylbenzene	105	16.847	16.864	(0.976)	1105327	43.5590	43.6	
	87 tert-Butylbenzene	119	16.592	16.608	(0.961)	858774	43.4443	43.4	
	72 m+p-Xylenes	106	14.337	14.342	(1.017)	805036	87.6179	87.6	
	73 o-Xylene	106	14.895	14.911	(1.057)	406917	44.1252	44.1	
	102 Naphthalene	128	20.625	20.642	(1.195)	369202	39.6784	39.7	
$	37 Dibromofluoromethane	113	9.152	9.169	(0.927)	292622	51.0019	51.0	
$	45 1,2-Dichloroethane-D4	65	9.908	9.925	(1.004)	253583	50.2920	50.3	
$	55 Toluene-D8	98	12.140	12.145	(1.152)	824120	50.0381	50.0	
$	77 P-Bromofluorobenzene	95	15.697	15.713	(1.490)	326932	48.0633	48.1	
*	42 Pentafluorobenzene	168	9.873	9.890	(1.000)	412993	50.0000		
*	49 1,4-Difluorobenzene	114	10.535	10.552	(1.000)	637259	50.0000		
*	66 Chlorobenzene-D5	117	14.092	14.098	(1.000)	504387	50.0000		
*	92 1,4-Dichlorobenzene-D4	152	17.266	17.283	(1.000)	278751	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T2315a.D
Report Date: 08-Jun-2011 15:47

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2315a.D
Lab Smp Id: WG92042-1
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052511A.b\T826a80.m
Misc Info: WG92042,T2292,SE2818-7

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92042-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

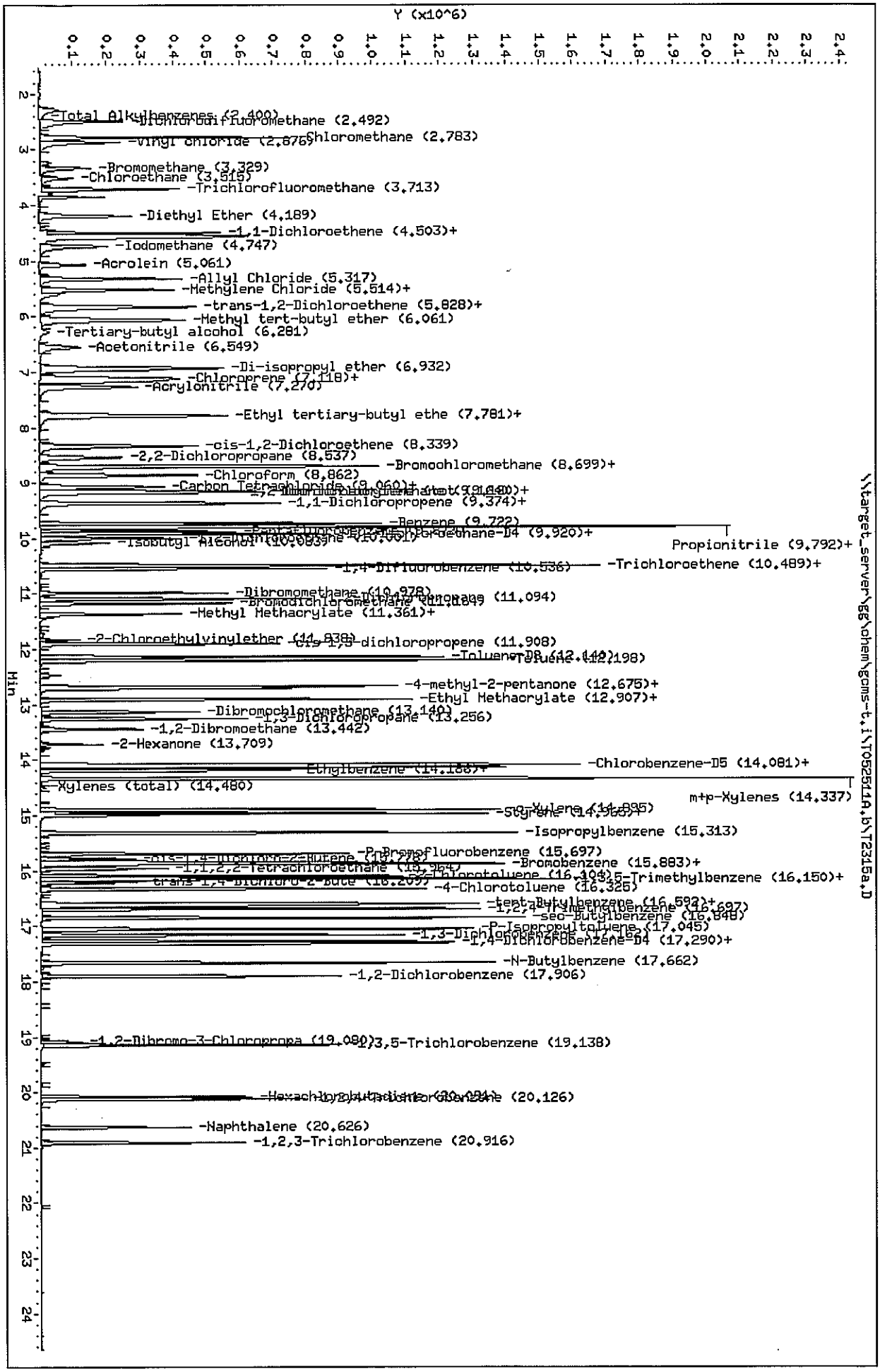
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	412993	0.85
49 1,4-Difluorobenze	637773	318887	1275546	637259	-0.08
66 Chlorobenzene-D5	477924	238962	955848	504387	5.54
92 1,4-Dichlorobenze	274556	137278	549112	278751	1.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.16
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.15
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.03
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052511A.b\T2315a.D
Date : 25-MAY-2011 10:05
Client ID: WG92042-LCS
Sample Info: WG92042-1,SE2818
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWH
Column diameter: 0.18



Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG92097-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 27-MAY-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG92097

Analysis Date: 27-MAY-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 16:01

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Chlorobenzene	91.4	50.0	45.7	ug/L	80-120
P-Bromofluorobenzene	95.2				75-120
Toluene-d8	106.				85-120
1,2-Dichloroethane-d4	107.				70-120
Dibromofluoromethane	106.				85-115

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2359A.D
Report Date: 08-Jun-2011 15:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052711.b\T2359A.D
Lab Smp Id: WG92097-1 Client Smp ID: WG92097-LCS
Inj Date : 27-MAY-2011 09:31 MS Autotune Date: 29-SEP-2009 13:45
Operator : DJP Inst ID: gcms-t.i
Smp Info : WG92097-1,SE2818
Misc Info : WG92097,T2292,SE2818-1
Comment : SW846 5030,AQ
Method : \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Meth Date : 08-Jun-2011 15:51 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ttcbonly.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
67 Chlorobenzene	112	14.109	14.121	(1.002)	687857	45.6616	45.7	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.926)	310227	52.8313	52.8	
* 42 Pentafluorobenzene	168	9.878	9.890	(1.000)	422679	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.913	9.925	(1.004)	276328	53.5471	53.5	
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	637562	50.0000		
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	871576	52.8943	52.9	
* 66 Chlorobenzene-D5	117	14.086	14.098	(1.000)	513506	50.0000		
$ 77 P-Bromofluorobenzene	95	15.701	15.713	(1.490)	324034	47.6146	47.6	
* 92 1,4-Dichlorobenzene-D4	152	17.271	17.283	(1.000)	281007	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052711.b\T2359A.D
Report Date: 08-Jun-2011 15:59

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2359A.D
Lab Smp Id: WG92097-1
Analysis Type: VOA
Quant Type: ISTD
Operator: DJP
Method File: \\target_server\gg\chem\gcms-t.i\T052711.b\T826a80.m
Misc Info: WG92097,T2292,SE2818-1

Calibration Date: 27-MAY-2011
Calibration Time: 07:57
Client Smp ID: WG92097-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

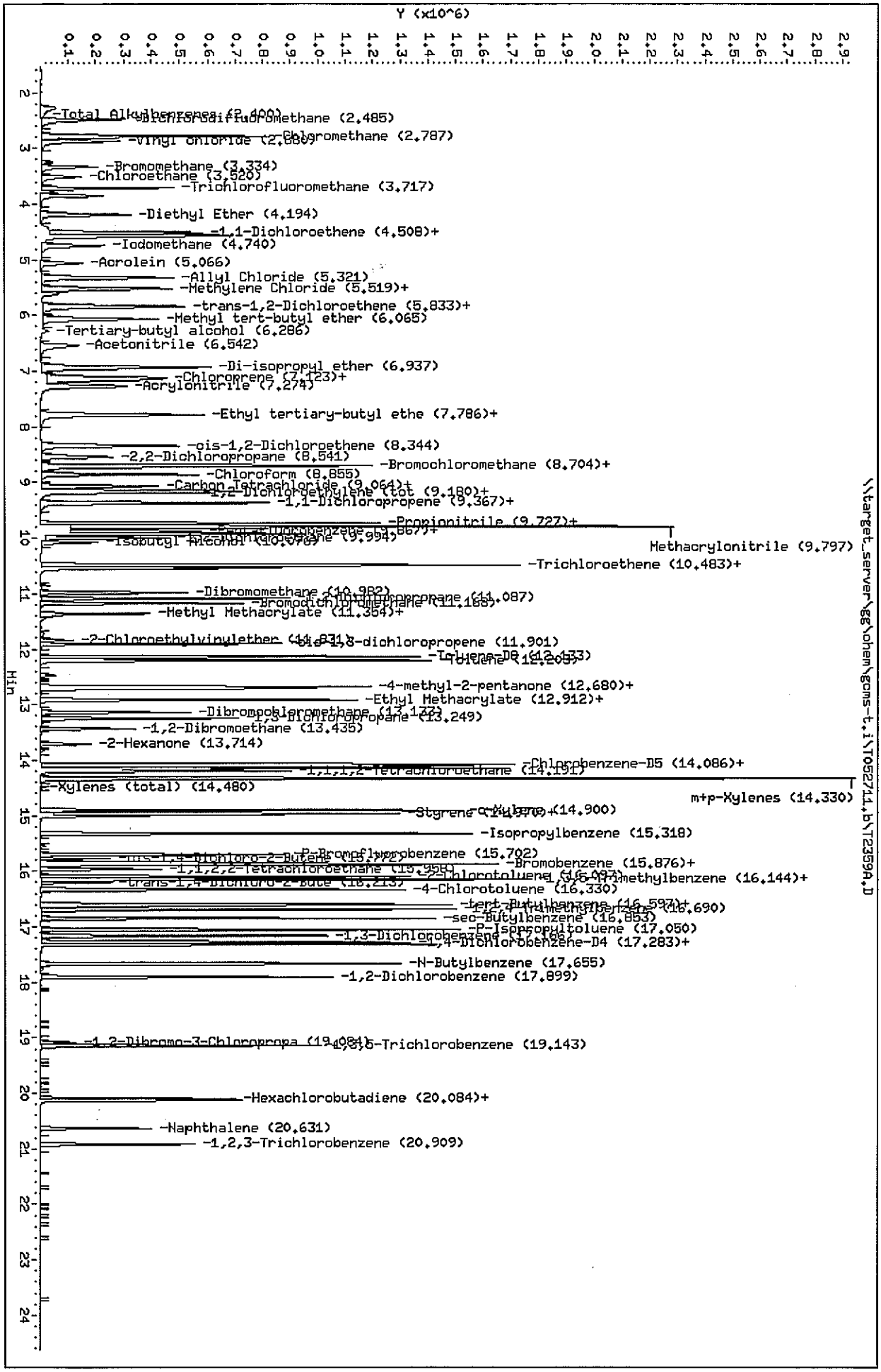
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	422679	3.21
49 1,4-Difluorobenze	637773	318887	1275546	637562	-0.03
66 Chlorobenzene-D5	477924	238962	955848	513506	7.45
92 1,4-Dichlorobenze	274556	137278	549112	281007	2.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.12
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\goms-t.i\T052711.b\T2359A.D
Date : 27-MAY-2011 09:31
Client ID: WG92097-LCS
Sample Info: WG92097-1,SE2818
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: goms-t.i
Operator: DJP
Column diameter: 0.18



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES

GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 05-24-11B 12:45

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD 5030	5035	1311	Criteria KAS	DoD	QAPP	Y/N	ANALYST	PH	COMMENTS
50 ng BFB	T8266	1	-	V0ab8fbAQ							Y	Dwm		
VSTD050T23C	T7292	1	1	T826a79							Y			curve
VSTD200T23A	T7293	1	2	T826a80							Y			good
100	94	1	3								Y			
020	95	1	4								Y			
005	96	1	5								Y			
001	97	1	6								Y			
LCSA WG91953-1	98	1	7								Y			SSD DOD
UBIKA	99	1	8								N			
B WG91953-2	T2300	1	9								Y			
TCLP Blank 5-23-11 -5	01	1	10								Y			
MEOH Blank WG91953-4	02	1	11								Y			
SE28818-7 DL	03	1	12		X				X		N		50mL	1 SSD DOD, RR 25uL
-9 DL	04	1	13		X						N		100mL	1 SSD DOD, RR 50uL
-11 DL	05	1	14		X						Y			200µL
-13 DL	06	1	15		X						Y			100µL
-6 DL	07	20	16				X				Y			2mL → 40
-8 DL	08	20	17				X				Y			
-10 DL	09	20	18				X				Y			
-12 DL	10	20	19				X				Y			12:40
RINSE	11	1	20											
	12	1	21											
	13	1	22											
				Dwm 5-25-11										

STANDARD	CODE
BFB	V3687
CAL. STD.	V3738
LCS/MS MIX	V3734
EXTRAS MIX	V3726

STANDARD	CODE
IS MIX	V3716
SS MIX	V3723

Circle Methods:

SW846 8260	OLM 04.2
SW846 8260 SIM	OLC 03.2
SW846 8260 SIM (heated purge)	EPA 624
	EPA 524

VOA-009 - Revision 1 - 03/10/2010

KATAHDIN ANALYTICAL SERVICES

GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 05-25-11 08:54

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD 5030	5035	1311	Criteria KAS	DoD	QAPP	Y/N	ANALYST	PH	COMMENTS
50ngBFB	TB267	1	–	V0ABFBA4							Y	DWM	N/A	
VSTD050T25A	T2314	1	1	T826980							Y			CS2 ↓DOD, LCS passes
LCSA W692042-1	15	1	2								Y			
VBLKA	16	1	3								N			
↓ BW692042-2	17	1	4								Y			2 SS↑, no hits
MeOH BLK -3	18	1	5								Y			
SE2818-7DL2	19	1	6		X				X		Y			25 mL
-9DL2	20	1	7		X						N			50 µL, SS↑
-1DL	21	1	8			X					N		RV: 20 mL	50 µL, SS↑, RR 400 µL → 20 mL
-2DL	22	1	9								N			50 µL, RR 400 µL → 20 mL
-3DL	23	1	10								N			50 µL, SS↑, 1 IS↓, RR 400 µL
-4DL	24	1	11								N			50 µL, RR 400 µL
-5DL	25	1	12								N			~~Same 400 µL~~ 50 µL → 20 mL RR 400 µL
~~SE2818-9DL2RA~~	~~26~~	1	13		X									Dwm 5-25-11
RINSE	26	1	13								–		–	
↓	27	1	14								–		–	
SE2818-9DL2R4	28	1	15		X				X		Y		N/A	50 µL → 20 mL
↓ -9DL2R#2	29	1	16		X						Y			↓
SE2818-3DL2	30	1	17			X					N			1 µL → 40 mL ; SS↑ 18:36
RINSE	31	1	18								–			
↓	32	1	19								–			

TC 5/26/11

STANDARD	CODE
BFB	V3687
CAL. STD.	V3736
LCS/MS MIX	V3734
EXTRAS MIX	V3726

STANDARD	CODE
IS MIX	V3716
SS MIX	V3723

Circle Methods:

SW846 8260	OLM 04.2
SW846 8260 SIM	OLC 03.2
SW846 8260 SIM (heated purge)	EPA 624
	EPA 524

VOA-009 - Revision 1 - 03/10/2010

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 052711 733

GCMS-T INSTRUMENT RUNLOG

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD 5030	5035	1311	Criteria KAS	DoD	QAPP	Y/N	ANALYST	PH	COMMENTS
50ng BFB	TB269	1	-1	Voa6fb4Q							Y	bJP		
VSTD050 T27A	T2357	1	1	T826980							Y			
LCSA	T2358	1	2								N			
LCSB WG92097-1	T2359	1	3								Y			
VBLKA	T2360	1	4								N			
B	T2361	1	5								N			
C WG92097-2	T2362	1	6								Y			SST for DOD
MeOH BLK	T2363	1	7											WG92097-3 4L
SE2818-1DL A	T2364	1	8											SST 600→30mL
-2DL A	T2365	1	9											SST 600uL→30mL
-4DL A	T2366	1	10											SST 600uL→30mL
-5DL A	T2367	1	11											SST 600uL→30mL
-3DL A	T2368	1	12											SST 1.5uL→30mL
Rinse	T2369	1	13								N			
SE2808-5RA B	T2370	1	14								Y		<2	
-9 B	T2371	1	15								N		<2	3SST
-14RA B	T2372	1	16								N		<2	RA not infected
SE2~~8~~945 1 A	73	1	17								Y		<2	
-2 A	74	1	18								Y		<2	
-3 A	75	1	19								Y		<2	
-4 A	76	1	20								Y		<2	
-5 A	77	1	21								Y		<2	1930
-6 A	78	1	22								N		<2	00C
-7 A	79	1	23								N		<2	
Rinse	80	1	24								N		—	
Rinse	81	1	25								N		—	

STANDARD	CODE
BFB	V3743
CAL. STD.	V3738 V3737
LCS/MS MIX	V3734
EXTRAS MIX	V3726

STANDARD	CODE
IS MIX	V3716
SS MIX	V3723

Circle Methods:

SW846 8260	OLM 04.2
SW846 8260 SIM	OLC 03.2
SW846 8260 SIM (heated purge)	EPA 624
	EPA 524

QAMS468

Katahdin Analytical Services 1000199

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KATAHDIN ANALYTICAL SERVICES

Organics Vial Prep Log

Methods: SW8260 SW8015 ME DEP 4.2.17 MA DEP VPH

Date	Analyst	Vial Number	Vial + Preservative (g)	Vial + Preservative + Sample (g)	Sample Weight (g)	Preservative	Preservative Volume (mL)	Sample Name	Comments
DD	5-11-11	52520	31.01			DI / MEOH / NaHSO4	5 / 10		
		52521	31.03			DI / MEOH / NaHSO4	5 / 10		
		52522	31.02	31.29	.27	DI / MEOH / NaHSO4	5 / 10	SE2675-5B	
DD	5-11-11	52523	28.89			DI / MEOH / NaHSO4	5 / 10		
		52524	29.77			DI / MEOH / NaHSO4	5 / 10		
		52525	29.99			DI / MEOH / NaHSO4	5 / 10		
		52526	30.01			DI / MEOH / NaHSO4	5 / 10		
		52527	29.78			DI / MEOH / NaHSO4	5 / 10		
		52528	29.57	35.71	6.14 ✓	DI / MEOH / NaHSO4	5 / 10	SE2818-5A	
		52529	29.76	35.19	5.43 ✓	DI / MEOH / NaHSO4	5 / 10	SE2818-4A	
		52530	29.71			DI / MEOH / NaHSO4	5 / 10		
		52531	29.37			DI / MEOH / NaHSO4	5 / 10		
		52532	29.51			DI / MEOH / NaHSO4	5 / 10		
		52533	29.52	34.54	5.02 ✓	DI / MEOH / NaHSO4	5 / 10	SE2818-2A	
		52534	29.57	35.87	6.3 ✓	DI / MEOH / NaHSO4	5 / 10	SE 2818-3A	
		52535	29.47	35.46	5.99 ✓	DI / MEOH / NaHSO4	5 / 10	SE 2818-1A	
		52536	29.60			DI / MEOH / NaHSO4	5 / 10		
		52537	29.88			DI / MEOH / NaHSO4	5 / 10		
		52538	29.79			DI / MEOH / NaHSO4	5 / 10		
		52539	29.75			DI / MEOH / NaHSO4	5 / 10		

40 mL Vial Lot # 042811
MeOH Lot #: H46E47
NaSO4 Lot #:

DI Preservative = Deionized Water +Stirbar
NaHSO4 Preservative = 20% NaSO4 Solution + stirbar

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KATAHDIN ANALYTICAL SERVICES
GC/MS Soil Prep Log

Prep Date	Analyst	Sample Name	Sample Weight (g)	Preservative	Preservative Volume (mL)	Preservative Lot #	Comments
022511	NT	SE0854-5	5.08	MeOH	5.00	H46E47	
↓	↓	-6	5.03	↓	↓	↓	
↓	↓	-7	5.02	↓	↓	↓	
022511	NT	SE0813-1	5.01	MeOH	~~5.00~~ 10.00 DJP 0025	H46E47	sludge soaked up 1st 5 mL.
↓	NT	SE0853	5.32	MeOH	5.00	H46E47	
↓	↓	SE0828-1	5.00	↓	↓	↓	
↓	↓	-2	5.11	↓	↓	↓	
↓	↓	-3	5.35	↓	↓	↓	
↓	↓	-4	5.33	↓	↓	↓	
040611	DJP	SE1500-1A	5.11	MeOH	5.00	H46E47	
↓	↓	SE1501-1A	5.54	MeOH	5.0	↓	
050611	DJP	SE2152-1	5.08	MeOH	5.0	K07E34	
052311	DJP	SE2818-7A	5.13 ✓	MeOH	5.0	K07E34	
↓	↓	-9A	5.11 ✓	↓	↓	↓	
↓	↓	-11A	5.24 ✓	↓	↓	↓	
↓	↓	-13A	5.02 ✓	↓	↓	↓	
052311	DJP	SE2818-7 B	5.59	H_2O	5.0	—	
↓	↓	-7 C	4.96	↓	↓		
		-7 D	5.23				
		-9 B	5.24				
		-9 C	4.94				
↓	↓	-9 D	5.20	↓	↓		

Katahdin Analytical Services 1000201

SEMIVOLATILES DATA

QC Summary Section

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	SITE6-IDW-5526	SE2818-9	23*	42	52	69	6*	69			2
02	SITE6-IDW-954	SE2818-13	69	0*	26*	75	39	74			2
03	SITE6-IDW-2117	SE2818-7	46	57	49	64	26*	59			1
04	SITE6-IDW-782	SE2818-11	43	54	47	59	28*	66			1
05	WG91853-BLANK	WG91853-1	49	55	54	60	28*	54			1
06	SITE6-IDW-954	SE2818-13DL	70	60	68	74	39	71			0
07	WG91853-LCS	WG91853-2	57	61	56	53	73	77			0
08	WG91853-LCSD	WG91853-3	56	60	56	51	78	77			0
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(35-105)
S2 (PHL)	= Phenol-D6	(40-100)
S3 (NBZ)	= Nitrobenzene-D5	(35-100)
S4 (FBP)	= 2-Fluorobiphenyl	(45-105)
S5 (TBP)	= 2,4,6-Tribromophenol	(35-125)
S6 (TPH)	= Terphenyl-D14	(30-135)

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

WG91853-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: U5848 Lab Sample ID: WG91853-1

Instrument ID: GCMS-U Date Extracted: 05/23/11

Matrix: (soil/water) SOIL Date Analyzed: 05/25/11

Level:(low/med) LOW Time Analyzed: 2049

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	SITE6-IDW-5526	SE2818-9	U5839	05/25/11	1410
02	SITE6-IDW-954	SE2818-13	U5840	05/25/11	1455
03	SITE6-IDW-2117	SE2818-7	U5841	05/25/11	1539
04	SITE6-IDW-782	SE2818-11	U5842	05/25/11	1623
05	SITE6-IDW-954	SE2818-13DL	U5849	05/25/11	2133
06	WG91853-LCS	WG91853-2	U5864	05/26/11	1931
07	WG91853-LCSD	WG91853-3	U5865	05/26/11	2015
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COMMENTS:

FORM IVSV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD576 DFTPP Injection Date: 05/23/11

Instrument ID: GCMS-U DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	37.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	4.0
441	0.0 - 100.0% of mass 443	15.1 (81.9)2
442	40.0 - 100.0% of mass 198	94.1
443	17.0 - 23.0% of mass 442	18.4 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0523	U5802	05/23/11	1200
02		SSTD010U0523	U5803	05/23/11	1246
03		SSTD025U0523	U5804	05/23/11	1330
04		SSTD075U0523	U5805	05/23/11	1415
05		SSTD100U0523	U5806	05/23/11	1459
06		SSTD125U0523	U5807	05/23/11	1543
07		8270C IND CHEC	U5808	05/23/11	1628
08					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD578 DFTPP Injection Date: 05/25/11

Instrument ID: GCMS-U DFTPP Injection Time: 1054

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.3 (0.7)1
69	Less than 100.0% of mass 198	37.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	20.5
365	1.0 - 100.0% of mass 198	2.9
441	0.0 - 100.0% of mass 443	10.8 (82.5)2
442	40.0 - 100.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	13.1 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0525	U5835	05/25/11	1113
02	SITE6-IDW-5526	SE2818-9	U5839	05/25/11	1410
03	SITE6-IDW-954	SE2818-13	U5840	05/25/11	1455
04	SITE6-IDW-2117	SE2818-7	U5841	05/25/11	1539
05	SITE6-IDW-782	SE2818-11	U5842	05/25/11	1623
06	WG91853-BLANK	WG91853-1	U5848	05/25/11	2049
07	SITE6-IDW-954	SE2818-13DL	U5849	05/25/11	2133
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD579 DFTPP Injection Date: 05/26/11

Instrument ID: GCMS-U DFTPP Injection Time: 1146

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.2 (0.6)1
69	Less than 100.0% of mass 198	37.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	20.3
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	10.7 (85.5)2
442	40.0 - 100.0% of mass 198	65.4
443	17.0 - 23.0% of mass 442	12.5 (19.1)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0526	U5854	05/26/11	1206
02		SSTD010U0526	U5855	05/26/11	1253
03		SSTD025U0526	U5856	05/26/11	1337
04		SSTD075U0526	U5857	05/26/11	1422
05		SSTD100U0526	U5858	05/26/11	1506
06		SSTD125U0526	U5859	05/26/11	1550
07		8270C IND CHEC	U5860	05/26/11	1634
08	WG91853-LCS	WG91853-2	U5864	05/26/11	1931
09	WG91853-LCSD	WG91853-3	U5865	05/26/11	2015
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FORM V SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802 Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	327345	8.76	1261487	11.61	688599	15.76
UPPER LIMIT	654690	9.26	2522974	12.11	1377198	16.26
LOWER LIMIT	163673	8.26	630744	11.11	344300	15.26

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	351292	8.76	1284936	11.60	663785	15.75
02	SITE6-IDW-5526	SE2818-9	372744	8.76	1389548	11.60	686449	15.75
03	SITE6-IDW-954	SE2818-13	347527	8.84	1537551	11.66	822993	15.76
04	SITE6-IDW-2117	SE2818-7	405226	8.77	1528963	11.60	766612	15.75
05	SITE6-IDW-782	SE2818-11	381269	8.76	1401890	11.60	771427	15.75
06	WG91853-BLANK	WG91853-1	403766	8.77	1384475	11.60	743920	15.75
07	SITE6-IDW-954	SE2818-13DL	331250	8.80	1543163	11.62	828843	15.75
08								
09								
10								
11								
12								
13								
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17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802 Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1066957	19.23	669261	25.53	342377	28.69
UPPER LIMIT	2133914	19.73	1338522	26.03	684754	29.19
LOWER LIMIT	533479	18.73	334631	25.03	171189	28.19

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	992895	19.22	683028	25.52	454145	28.68
02	SITE6-IDW-5526	SE2818-9	947852	19.21	475971	25.52	248622	28.68
03	SITE6-IDW-954	SE2818-13	1165728	19.22	547176	25.52	277299	28.68
04	SITE6-IDW-2117	SE2818-7	1075454	19.21	576578	25.52	306962	28.68
05	SITE6-IDW-782	SE2818-11	1181096	19.21	615793	25.52	300613	28.68
06	WG91853-BLANK	WG91853-1	1155270	19.21	814502	25.52	540144	28.68
07	SITE6-IDW-954	SE2818-13DL	1337094	19.22	775945	25.52	388283	28.69
08								
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16								
17								
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19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5854 Date Analyzed: 05/26/11

Instrument ID: GCMS-U Time Analyzed: 1206

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		305135	8.76	1029934	11.60	430934	15.75
UPPER LIMIT		610270	9.26	2059868	12.10	861868	16.25
LOWER LIMIT		152568	8.26	514967	11.10	215467	15.25
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91853-LCS	WG91853-2	342145	8.76	1257161	11.60	632703	15.75
02 WG91853-LCSD	WG91853-3	380712	8.76	1397657	11.60	734187	15.75
03							
04							
05							
06							
07							
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16							
17							
18							
19							
20							

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5854 Date Analyzed: 05/26/11

Instrument ID: GCMS-U Time Analyzed: 1206

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		553474	19.20	401451	25.51	347561	28.66
UPPER LIMIT		1106948	19.70	802902	26.01	695122	29.16
LOWER LIMIT		276737	18.70	200726	25.01	173781	28.16
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91853-LCS	WG91853-2	1026291	19.21	681750	25.51	495183	28.68
02 WG91853-LCSD	WG91853-3	1232617*	19.20	911937*	25.52	688476	28.67
03							
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19							
20							

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	270	ug/Kgdrywt	1	330	360	170	270
Bis(2-Chloroethyl) Ether	U	270	ug/Kgdrywt	1	330	360	89.	270
2-Chlorophenol	U	270	ug/Kgdrywt	1	330	360	180	270
1,3-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	86.	270
1,4-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	95.	270
1,2-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	97.	270
2,2'-Oxybis(1-Chloropropane)	U	270	ug/Kgdrywt	1	330	360	98.	270
2-Methylphenol	U	270	ug/Kgdrywt	1	330	360	220	270
n-Nitroso-di-n-propylamine	U	270	ug/Kgdrywt	1	330	360	91.	270
3&4-Methylphenol	U	270	ug/Kgdrywt	1	330	360	200	270
Hexachloroethane	U	270	ug/Kgdrywt	1	330	360	100	270
Nitrobenzene	U	270	ug/Kgdrywt	1	330	360	100	270
Isophorone	U	270	ug/Kgdrywt	1	330	360	83.	270
2-Nitrophenol	U	270	ug/Kgdrywt	1	330	360	180	270
2,4-Dimethylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
Bis(2-chloroethoxy)methane	U	270	ug/Kgdrywt	1	330	360	100	270
2,4-Dichlorophenol	U	270	ug/Kgdrywt	1	330	360	160	270
1,2,4-Trichlorobenzene	U	270	ug/Kgdrywt	1	330	360	89.	270
Naphthalene	J	140	ug/Kgdrywt	1	330	360	96.	270
4-Chloroaniline	U	270	ug/Kgdrywt	1	330	360	130	270
Hexachlorobutadiene	U	270	ug/Kgdrywt	1	330	360	91.	270
4-Chloro-3-methylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
2-Methylnaphthalene	U	270	ug/Kgdrywt	1	330	360	100	270
Hexachlorocyclopentadiene	U	270	ug/Kgdrywt	1	330	360	90.	270
2,4,6-Trichlorophenol	U	270	ug/Kgdrywt	1	330	360	170	270
2,4,5-Trichlorophenol	U	680	ug/Kgdrywt	1	820	900	170	680
2-Chloronaphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
2-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	83.	680
Dimethyl phthalate	U	270	ug/Kgdrywt	1	330	360	86.	270
2,6-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	87.	270
Acenaphthylene	U	270	ug/Kgdrywt	1	330	360	77.	270
3-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	100	680
Acenaphthene	U	270	ug/Kgdrywt	1	330	360	72.	270
2,4-Dinitrophenol	U	680	ug/Kgdrywt	1	820	900	420	680
Dibenzofuran	U	270	ug/Kgdrywt	1	330	360	87.	270

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-7
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	680	ug/Kgdrywt	1	820	900	340	680
2,4-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	94.	270
Diethylphthalate	U	270	ug/Kgdrywt	1	330	360	88.	270
Fluorene	U	270	ug/Kgdrywt	1	330	360	89.	270
4-Chlorophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	86.	270
4-Nitroaniline	U	680	ug/Kgdrywt	1	820	900	150	680
4,6-Dinitro-2-methylphenol	U	680	ug/Kgdrywt	1	820	900	370	680
n-Nitrosodiphenylamine	U	270	ug/Kgdrywt	1	330	360	240	270
4-Bromophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	94.	270
Hexachlorobenzene	U	270	ug/Kgdrywt	1	330	360	90.	270
Pentachlorophenol	U	680	ug/Kgdrywt	1	820	900	260	680
Phenanthrene	U	270	ug/Kgdrywt	1	330	360	91.	270
Anthracene	U	270	ug/Kgdrywt	1	330	360	92.	270
Carbazole	U	270	ug/Kgdrywt	1	330	360	120	270
Di-n-butylphthalate	U	270	ug/Kgdrywt	1	330	360	110	270
Fluoranthene	U	270	ug/Kgdrywt	1	330	360	120	270
Pyrene	U	270	ug/Kgdrywt	1	330	360	110	270
Butylbenzylphthalate	U	270	ug/Kgdrywt	1	330	360	100	270
Benzo(a)anthracene	U	270	ug/Kgdrywt	1	330	360	95.	270
3,3'-Dichlorobenzidine	U	270	ug/Kgdrywt	1	330	360	120	270
Chrysene	U	270	ug/Kgdrywt	1	330	360	100	270
Bis(2-ethylhexyl)phthalate	JB	200	ug/Kgdrywt	1	330	360	110	270
Di-n-octylphthalate	U	270	ug/Kgdrywt	1	330	360	230	270
Benzo(b)fluoranthene	U	270	ug/Kgdrywt	1	330	360	150	270
Benzo(k)fluoranthene	U	270	ug/Kgdrywt	1	330	360	91.	270
Benzo(a)pyrene	U	270	ug/Kgdrywt	1	330	360	100	270
Indeno(1,2,3-cd)pyrene	J	140	ug/Kgdrywt	1	330	360	130	270
Dibenzo(a,h)anthracene	U	270	ug/Kgdrywt	1	330	360	140	270
Benzo(g,h,i)perylene	J	200	ug/Kgdrywt	1	330	360	110	270
2-Fluorophenol		45.8						
Phenol-d6		57.2						
Nitrobenzene-d5		49.3						
2-Fluorobiphenyl		63.6						
2,4,6-Tribromophenol	*	25.8						
Terphenyl-d14		58.7						

600 Technology Way
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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5841.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5841.D
Lab Smp Id: SE2818-7
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-2117
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

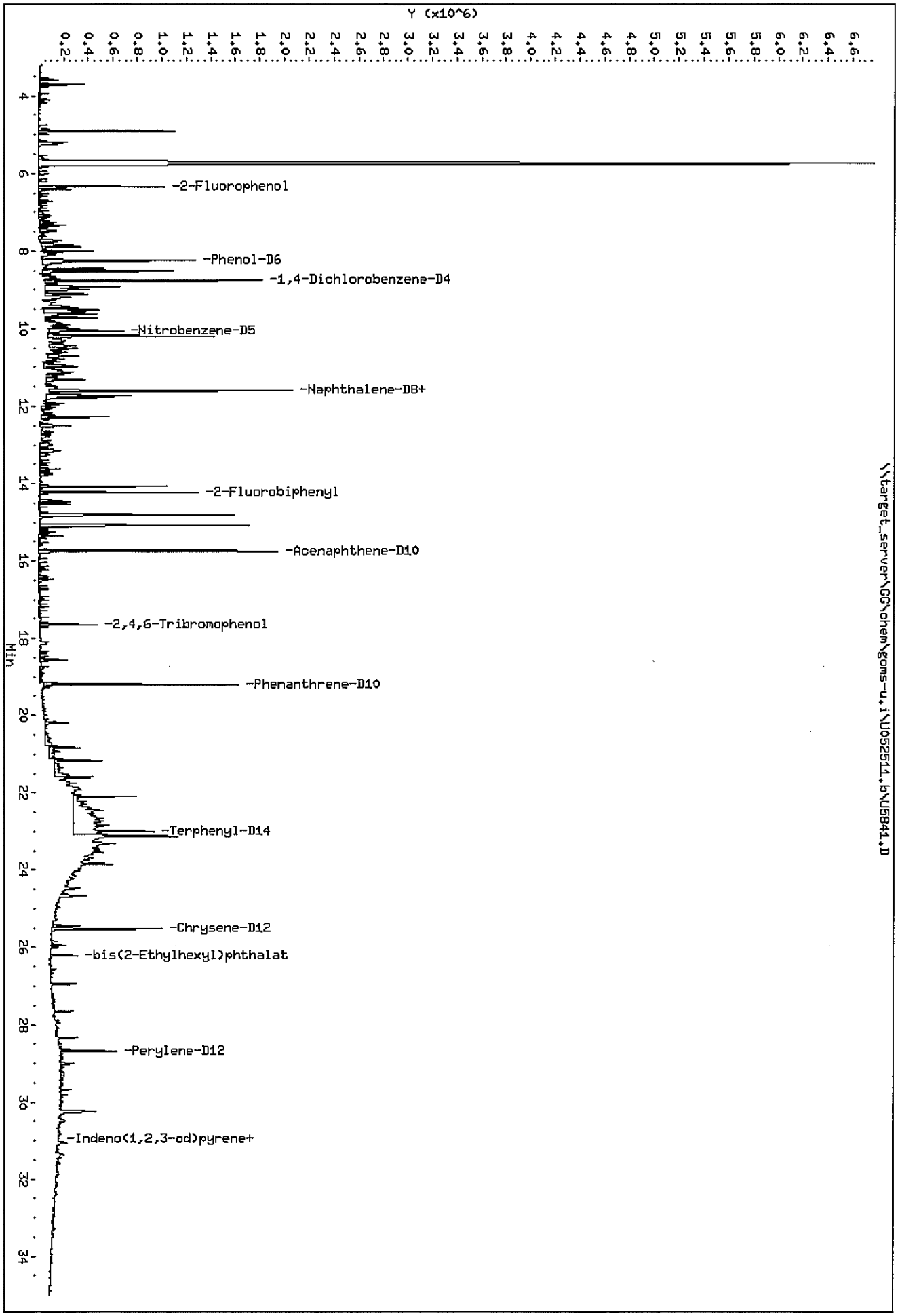
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	405226	23.79
43 Naphthalene-D8	1261487	630744	2522974	1528963	21.20
77 Acenaphthene-D10	688599	344300	1377198	766612	11.33
114 Phenanthrene-D10	1066957	533479	2133914	1075454	0.80
139 Chrysene-D12	669261	334631	1338522	576578	-13.85
150 Perylene-D12	342377	171189	684754	306962	-10.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.01
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.01
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.01
114 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.05
139 Chrysene-D12	25.52	25.02	26.02	25.52	0.00
150 Perylene-D12	28.68	28.18	29.18	28.68	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\goms-u.i\U052511.b\U5841.D
Date : 25-MAY-2011 15:39
Client ID: SITE6-IDW-2117
Sample Info: SE2818-7

Instrument: goms-u.i



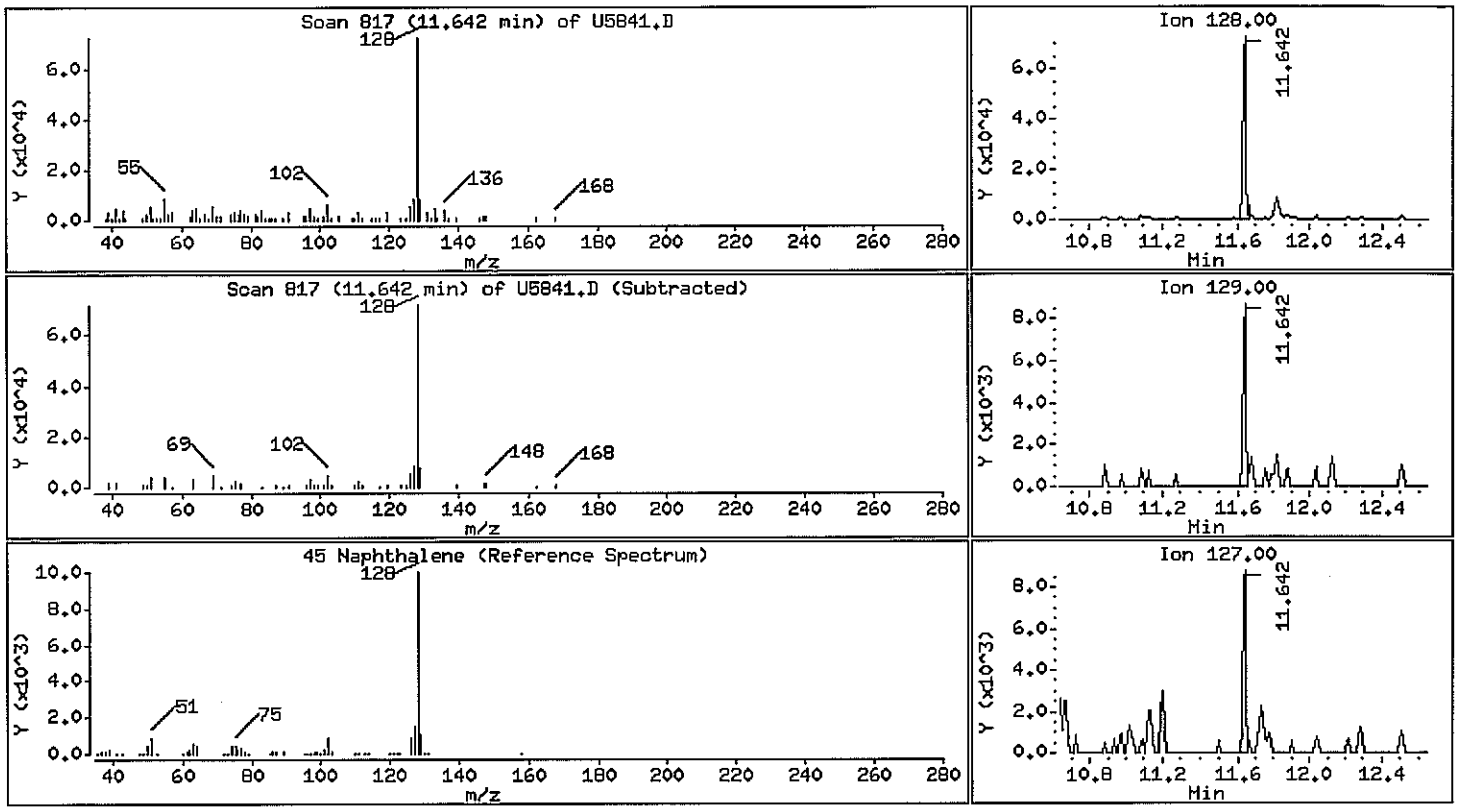
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5841.D

Date : 25-MAY-2011 15:39

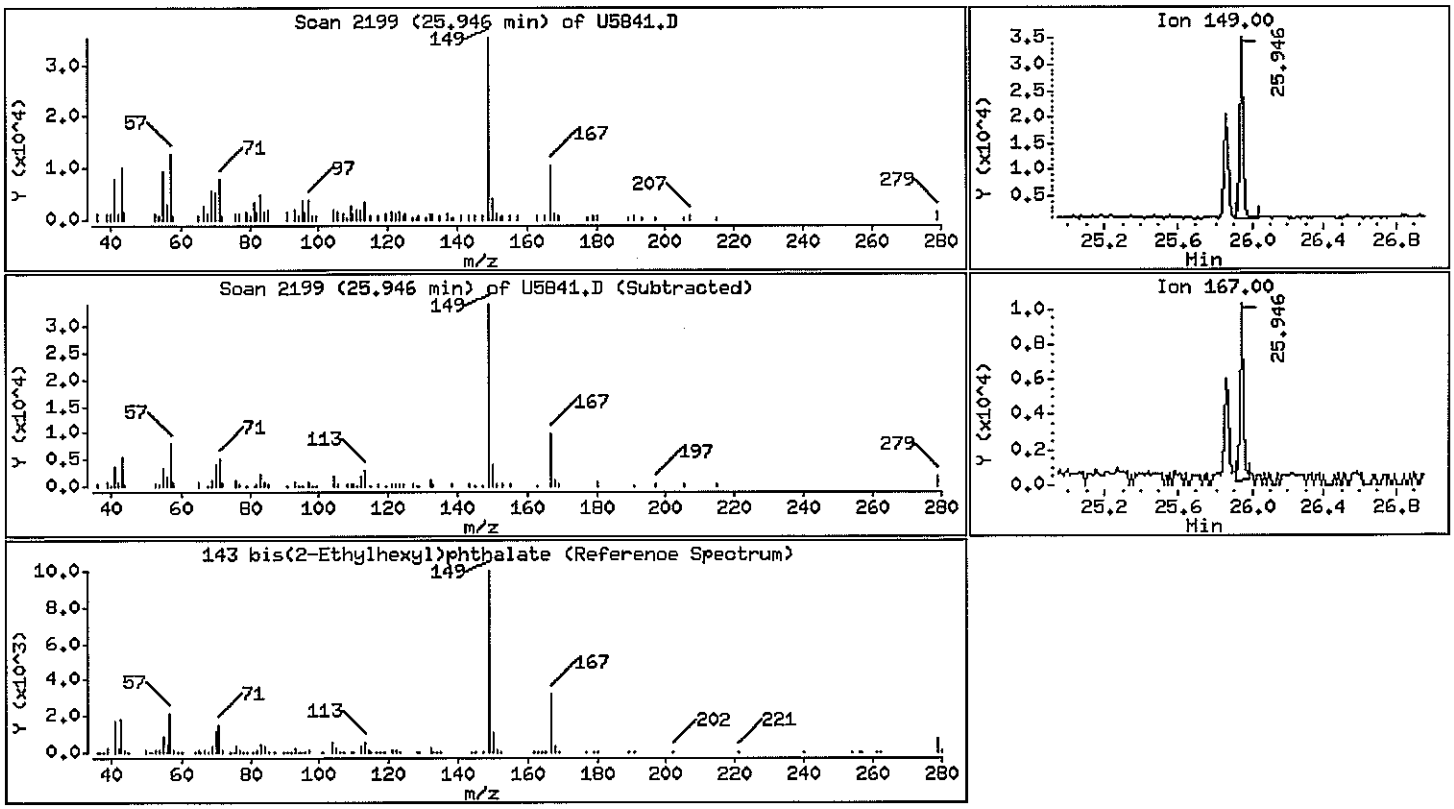
Client ID: SITE6-IDW-2117 Instrument: gcms-u.i

Sample Info: SE2818-7

45 Naphthalene Concentration: 137 ug/Kgdrywt



143 bis(2-Ethylhexyl)phthalate Concentration: 201 ug/Kgdrywt



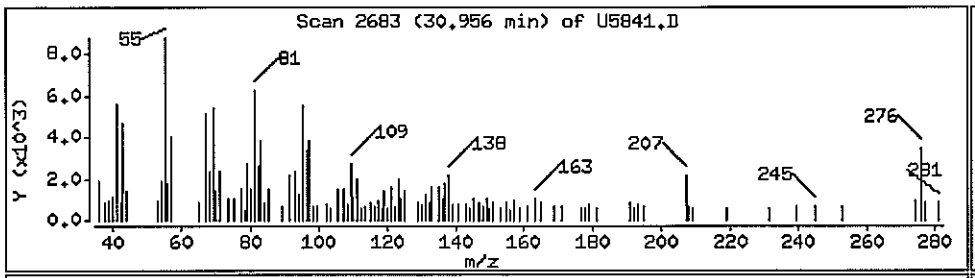
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5841.D

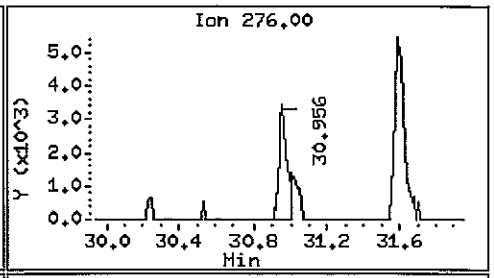
Date : 25-MAY-2011 15:39

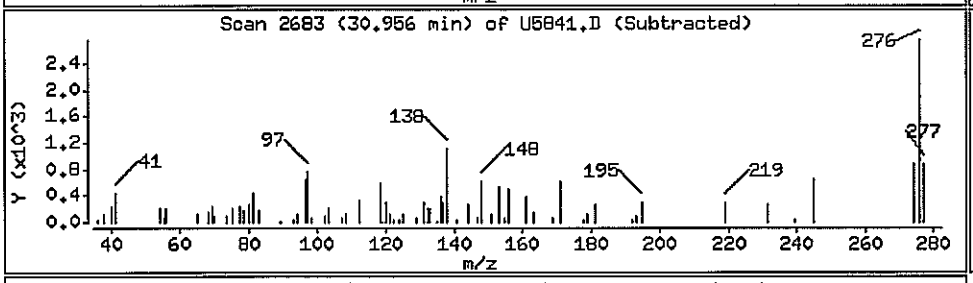
Client ID: SITE6-IDW-2117 Instrument: gcms-u.i

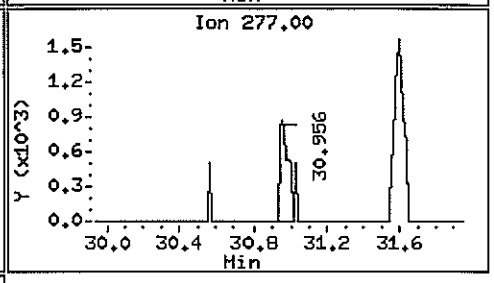
Sample Info: SE2818-7

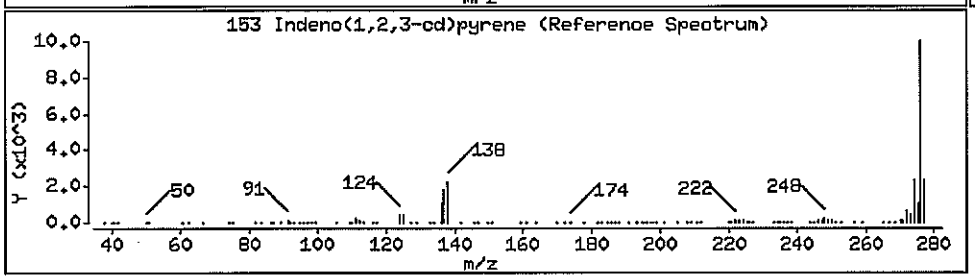
153 Indeno(1,2,3-cd)pyrene Concentration: 142 ug/Kgdrywt



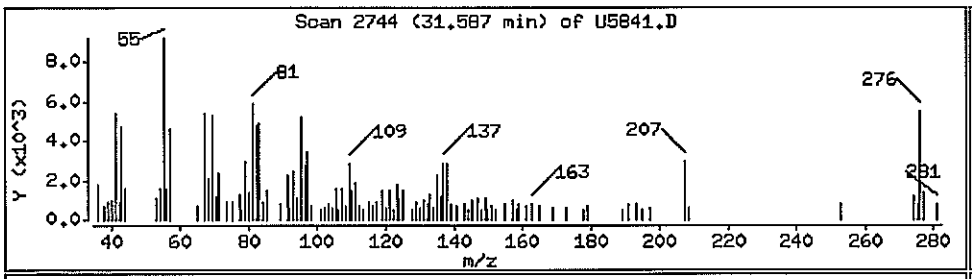


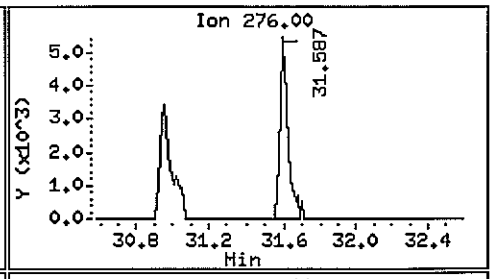


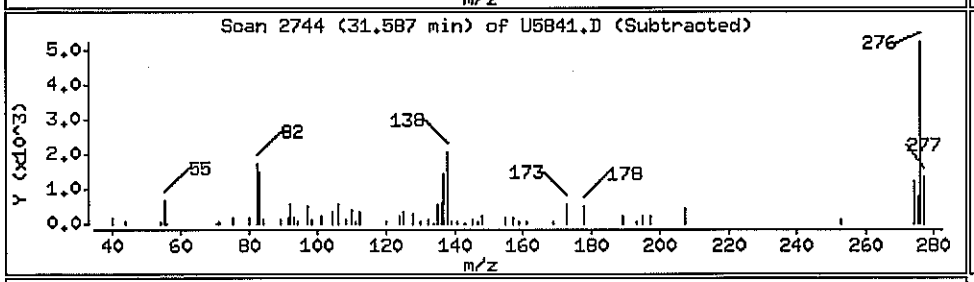


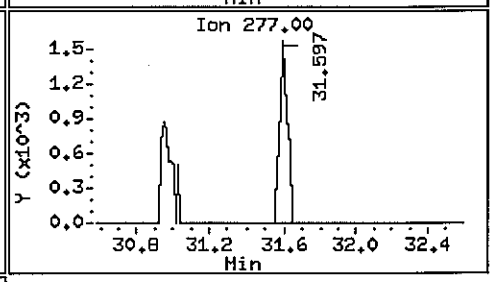


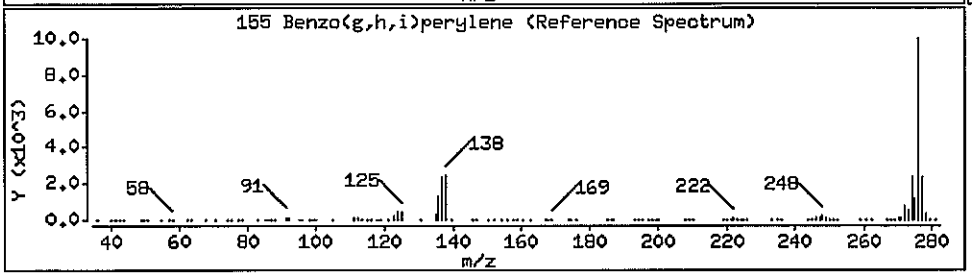
155 Benzo(g,h,i)perylene Concentration: 199 ug/Kgdrywt











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Report Date: 08-Jun-2011 15:34

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5841.D
Lab Smp Id: SE2818-7 Client Smp ID: SITE6-IDW-2117
Inj Date : 25-MAY-2011 15:39 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-7
Misc Info : WG91996,WG91853,U5802
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 08-Jun-2011 12:24 wstone Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.su
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariab

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03010	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	9.220	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW
$ 8 2-Fluorophenol	112	6.332	6.321	(0.723)	491967	45.6387	1670	
$ 15 Phenol-D6	99	8.257	8.257	(0.942)	712416	57.1494	2090	
* 19 1,4-Dichlorobenzene-D4	152	8.765	8.764	(1.000)	405226	40.0000		
$ 33 Nitrobenzene-D5	82	10.058	10.068	(0.867)	264729	24.7299	905	
* 43 Naphthalene-D8	136	11.600	11.600	(1.000)	1528963	40.0000		
45 Naphthalene	128	11.642	11.641	(1.004)	106379	3.72174	136(a)	
$ 62 2-Fluorobiphenyl	172	14.229	14.239	(0.903)	616575	31.9525	1170	
* 77 Acenaphthene-D10	164	15.751	15.750	(1.000)	766612	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.655	17.665	(1.121)	91949	25.7796	943(R)	
* 114 Phenanthrene-D10	188	19.208	19.217	(1.000)	1075454	40.0000		
$ 129 Terphenyl-D14	244	23.131	23.119	(0.906)	340007	29.5613	1080	
* 139 Chrysene-D12	240	25.521	25.521	(1.000)	576578	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.946	25.945	(1.017)	60513	5.46921	200(a)	
* 150 Perylene-D12	264	28.678	28.677	(1.000)	306962	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.955	30.944	(1.079)	11594	3.87274	142(a)	
155 Benzo(g,h,i)perylene	276	31.587	31.586	(1.101)	19306	5.42987	199(a)	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	270	ug/Kgdrywt	1	330	360	170	270
Bis(2-Chloroethyl) Ether	U	270	ug/Kgdrywt	1	330	360	90.	270
2-Chlorophenol	U	270	ug/Kgdrywt	1	330	360	180	270
1,3-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	86.	270
1,4-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	95.	270
1,2-Dichlorobenzene	U	270	ug/Kgdrywt	1	330	360	97.	270
2,2'-Oxybis(1-Chloropropane)	U	270	ug/Kgdrywt	1	330	360	98.	270
2-Methylphenol	U	270	ug/Kgdrywt	1	330	360	220	270
n-Nitroso-di-n-propylamine	U	270	ug/Kgdrywt	1	330	360	92.	270
3&4-Methylphenol	U	270	ug/Kgdrywt	1	330	360	210	270
Hexachloroethane	U	270	ug/Kgdrywt	1	330	360	110	270
Nitrobenzene	U	270	ug/Kgdrywt	1	330	360	100	270
Isophorone	U	270	ug/Kgdrywt	1	330	360	83.	270
2-Nitrophenol	U	270	ug/Kgdrywt	1	330	360	180	270
2,4-Dimethylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
Bis(2-chloroethoxy)methane	U	270	ug/Kgdrywt	1	330	360	110	270
2,4-Dichlorophenol	U	270	ug/Kgdrywt	1	330	360	160	270
1,2,4-Trichlorobenzene	U	270	ug/Kgdrywt	1	330	360	90.	270
Naphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
4-Chloroaniline	U	270	ug/Kgdrywt	1	330	360	130	270
Hexachlorobutadiene	U	270	ug/Kgdrywt	1	330	360	92.	270
4-Chloro-3-methylphenol	U	270	ug/Kgdrywt	1	330	360	180	270
2-Methylnaphthalene	U	270	ug/Kgdrywt	1	330	360	100	270
Hexachlorocyclopentadiene	U	270	ug/Kgdrywt	1	330	360	91.	270
2,4,6-Trichlorophenol	U	270	ug/Kgdrywt	1	330	360	170	270
2,4,5-Trichlorophenol	U	680	ug/Kgdrywt	1	820	910	170	680
2-Chloronaphthalene	U	270	ug/Kgdrywt	1	330	360	96.	270
2-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	83.	680
Dimethyl phthalate	U	270	ug/Kgdrywt	1	330	360	86.	270
2,6-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	87.	270
Acenaphthylene	U	270	ug/Kgdrywt	1	330	360	77.	270
3-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	100	680
Acenaphthene	U	270	ug/Kgdrywt	1	330	360	72.	270
2,4-Dinitrophenol	U	680	ug/Kgdrywt	1	820	910	420	680
Dibenzofuran	U	270	ug/Kgdrywt	1	330	360	87.	270

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-9
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	680	ug/Kgdrywt	1	820	910	340	680
2,4-Dinitrotoluene	U	270	ug/Kgdrywt	1	330	360	94.	270
Diethylphthalate	U	270	ug/Kgdrywt	1	330	360	88.	270
Fluorene	U	270	ug/Kgdrywt	1	330	360	90.	270
4-Chlorophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	86.	270
4-Nitroaniline	U	680	ug/Kgdrywt	1	820	910	150	680
4,6-Dinitro-2-methylphenol	U	680	ug/Kgdrywt	1	820	910	370	680
n-Nitrosodiphenylamine	U	270	ug/Kgdrywt	1	330	360	240	270
4-Bromophenyl-phenylether	U	270	ug/Kgdrywt	1	330	360	94.	270
Hexachlorobenzene	U	270	ug/Kgdrywt	1	330	360	91.	270
Pentachlorophenol	U	680	ug/Kgdrywt	1	820	910	260	680
Phenanthrene	U	270	ug/Kgdrywt	1	330	360	92.	270
Anthracene	U	270	ug/Kgdrywt	1	330	360	93.	270
Carbazole	U	270	ug/Kgdrywt	1	330	360	120	270
Di-n-butylphthalate	U	270	ug/Kgdrywt	1	330	360	110	270
Fluoranthene	U	270	ug/Kgdrywt	1	330	360	120	270
Pyrene	U	270	ug/Kgdrywt	1	330	360	110	270
Butylbenzylphthalate	U	270	ug/Kgdrywt	1	330	360	100	270
Benzo(a)anthracene	U	270	ug/Kgdrywt	1	330	360	95.	270
3,3'-Dichlorobenzidine	U	270	ug/Kgdrywt	1	330	360	130	270
Chrysene	U	270	ug/Kgdrywt	1	330	360	100	270
Bis(2-ethylhexyl)phthalate	JB	140	ug/Kgdrywt	1	330	360	110	270
Di-n-octylphthalate	U	270	ug/Kgdrywt	1	330	360	230	270
Benzo(b)fluoranthene	U	270	ug/Kgdrywt	1	330	360	150	270
Benzo(k)fluoranthene	J	100	ug/Kgdrywt	1	330	360	92.	270
Benzo(a)pyrene	J	190	ug/Kgdrywt	1	330	360	100	270
Indeno(1,2,3-cd)pyrene	J	250	ug/Kgdrywt	1	330	360	130	270
Dibenzo(a,h)anthracene	U	270	ug/Kgdrywt	1	330	360	140	270
Benzo(g,h,i)perylene		410	ug/Kgdrywt	1	330	360	110	270
2-Fluorophenol	*	23.2						
Phenol-d6		42.4						
Nitrobenzene-d5		51.6						
2-Fluorobiphenyl		68.5						
2,4,6-Tribromophenol	*	6.14						
Terphenyl-d14		69.0						

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Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5839.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5839.D
Lab Smp Id: SE2818-9 Client Smp ID: SITE6-IDW-5526
Inj Date : 25-MAY-2011 14:10 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-9
Misc Info : WG91996,WG91853,U5802
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 25-May-2011 15:26 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03020	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	10.131	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.329	6.321	(0.722)	229298	23.1251	852	
$ 15 Phenol-O6	99	8.244	8.257	(0.941)	486052	42.3884	1560	
* 19 1,4-Dichlorobenzene-D4	152	8.762	8.764	(1.000)	372744	40.0000		
$ 33 Nitrobenzene-D5	82	10.055	10.068	(0.867)	250820	25.7814	950	
* 43 Naphthalene-D8	136	11.598	11.600	(1.000)	1389548	40.0000		
$ 62 2-Fluorobiphenyl	172	14.227	14.239	(0.903)	593687	34.3593	1260	
* 77 Acenaphthene-D10	164	15.748	15.750	(1.000)	686449	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	19565	6.12599	226(R)	
* 114 Phenanthrene-D10	188	19.205	19.217	(1.000)	947852	40.0000		
$ 129 Terphenyl-D14	244	23.117	23.119	(0.906)	328542	34.6022	1270	
* 139 Chrysene-D12	240	25.519	25.521	(1.000)	475971	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.943	25.945	(1.017)	34557	3.78346	139(a)	
148 Benzo(k)fluoranthene	252	27.940	27.953	(0.974)	20108	2.80371	103(a)	
149 Benzo(a)pyrene	252	28.551	28.553	(0.996)	25914	5.07339	187(a)	
* 150 Perylene-D12	264	28.675	28.677	(1.000)	248622	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.952	30.944	(1.079)	16392	6.76023	249(a)	
155 Benzo(g,h,i)perylene	276	31.594	31.586	(1.102)	31817	11.0485	407	

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5839.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5839.D
Lab Smp Id: SE2818-9
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-5526
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	372744	13.87
43 Naphthalene-D8	1261487	630744	2522974	1389548	10.15
77 Acenaphthene-D10	688599	344300	1377198	686449	-0.31
114 Phenanthrene-D10	1066957	533479	2133914	947852	-11.16
139 Chrysene-D12	669261	334631	1338522	475971	-28.88
150 Perylene-D12	342377	171189	684754	248622	-27.38

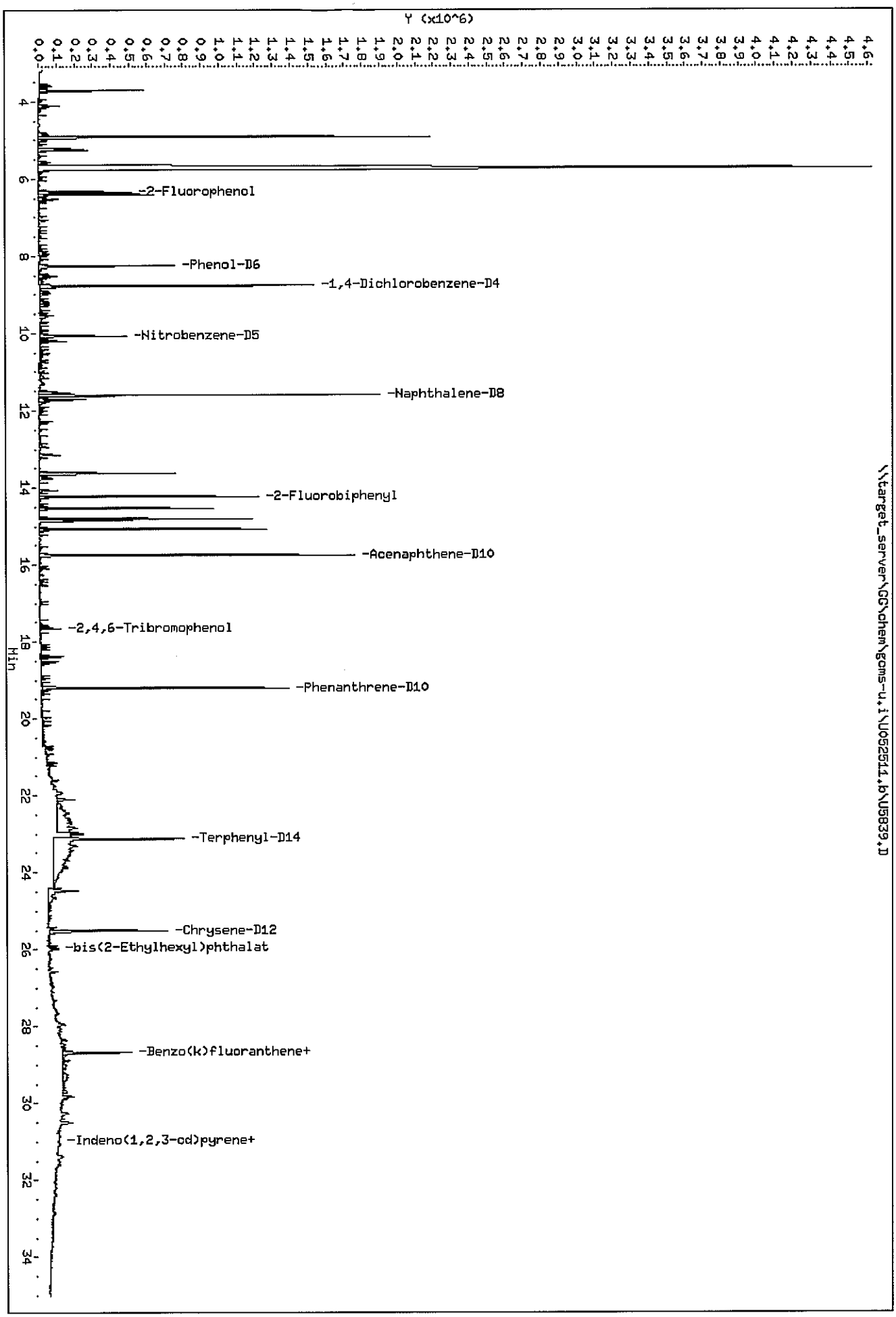
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.02
43 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.01
114 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.06
139 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
150 Perylene-D12	28.68	28.18	29.18	28.68	-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\goms-u.i\U052514.b\U5839.D
Date : 25-MAY-2014 14:10
Client ID: SITE6-IDW-5526
Sample Info: SE2818-9

Instrument: goms-u.i

\\target_server\GC\chem\goms-u.i\U052514.b\U5839.D



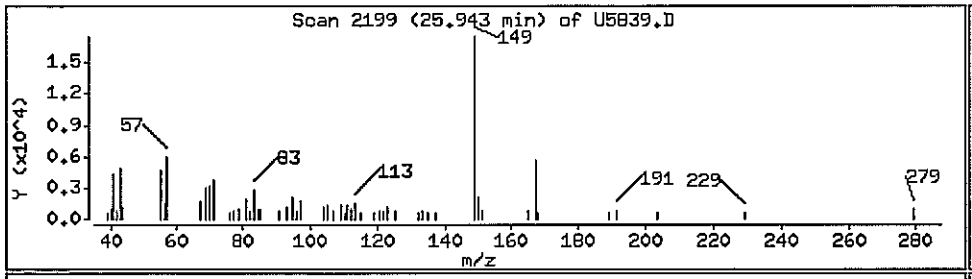
Data File: \\target_server\GC\chem\goms-u.i\U052511.b\U5839.D

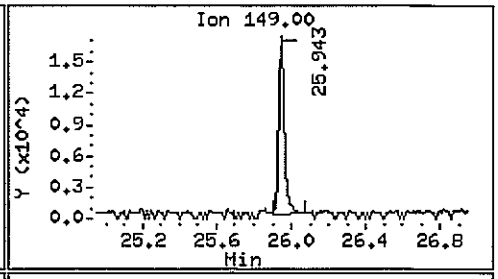
Date : 25-MAY-2011 14:10

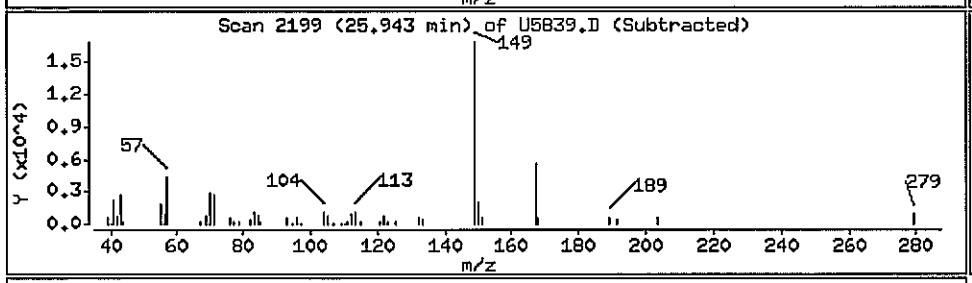
Client ID: SITE6-IDW-5526 Instrument: goms-u.i

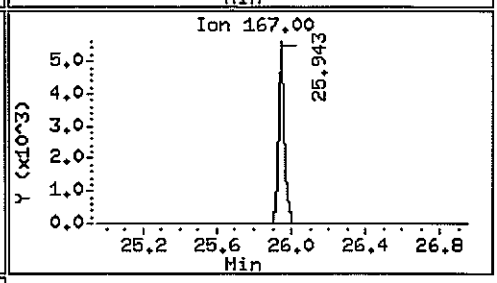
Sample Info: SE2818-9

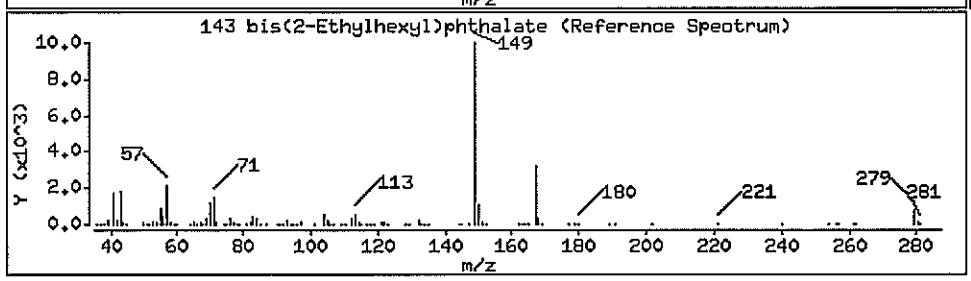
143 bis(2-Ethylhexyl)phthalate Concentration: 139 ug/Kgdrywt



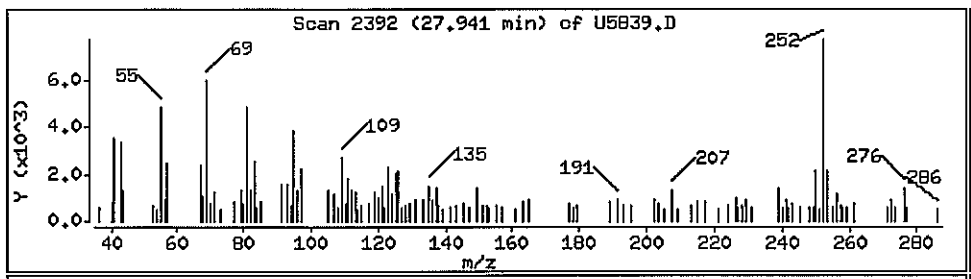


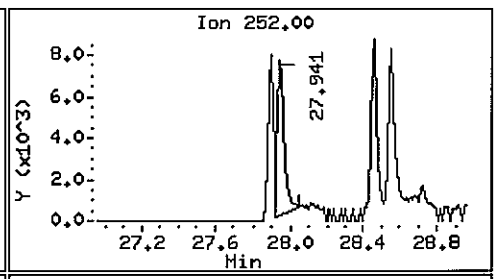


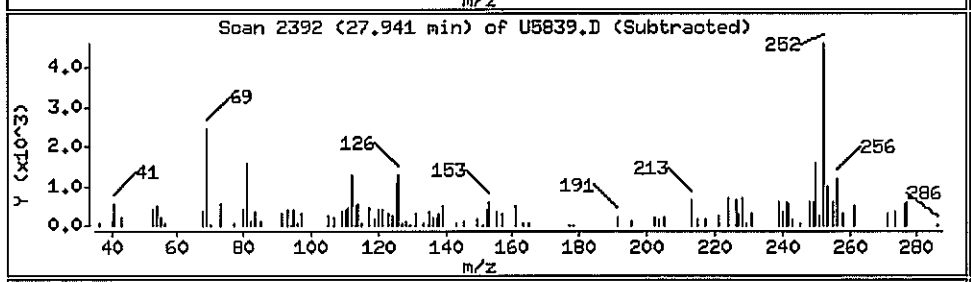


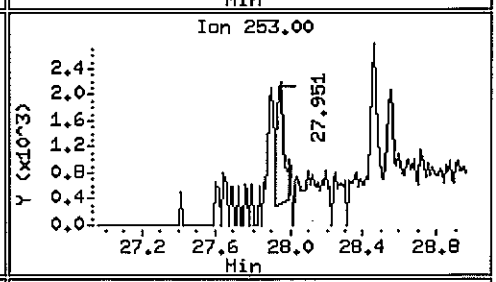


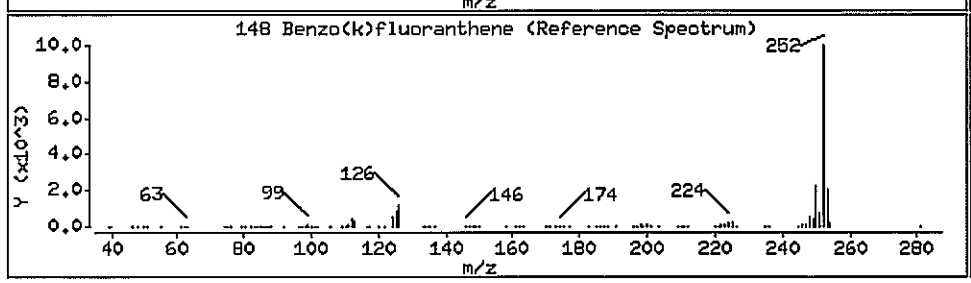
148 Benzo(k)fluoranthene Concentration: 103 ug/Kgdrywt

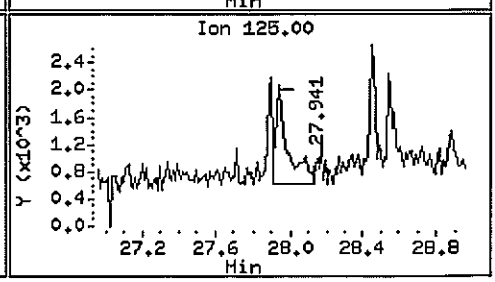












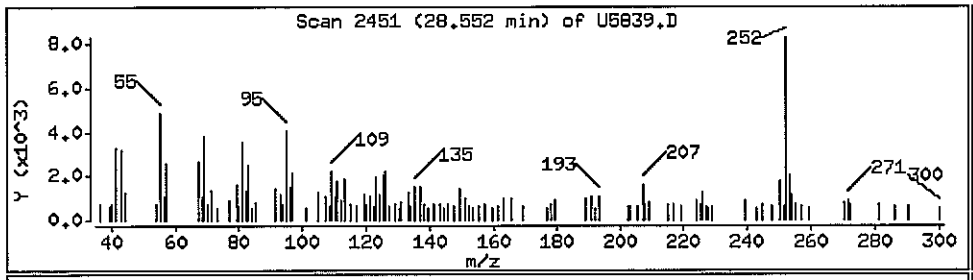
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5839.D

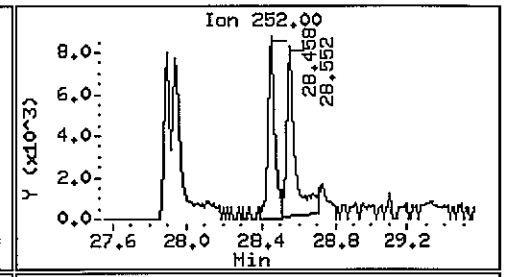
Date : 25-MAY-2011 14:10

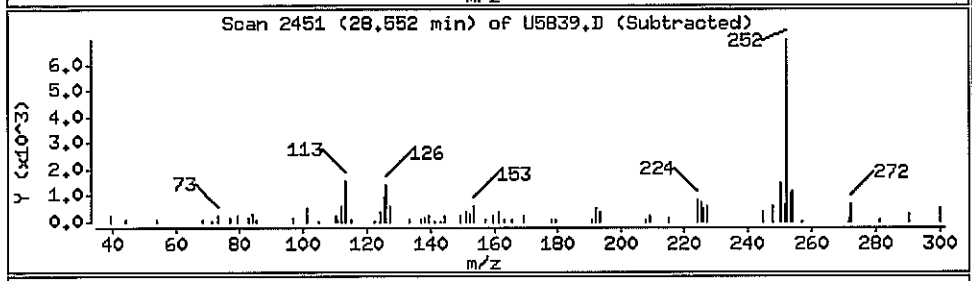
Client ID: SITE6-IDW-5526 Instrument: gcms-u.i

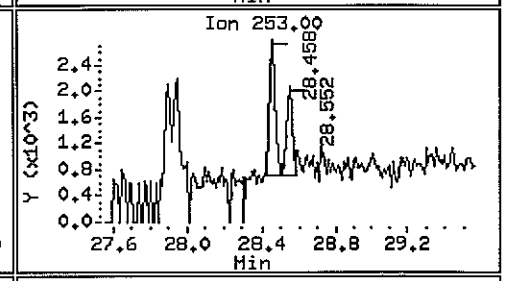
Sample Info: SE2818-9

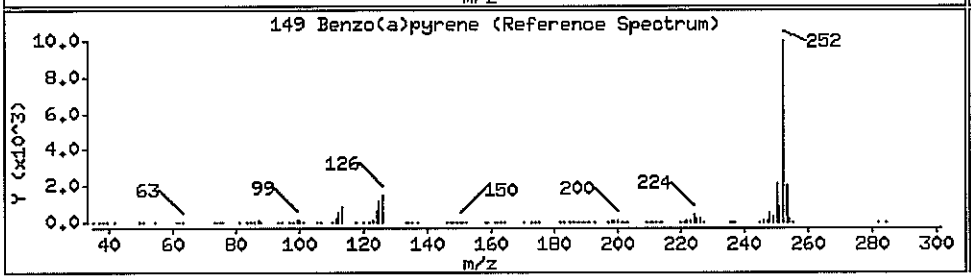
149 Benzo(a)pyrene Concentration: 187 ug/Kgdrywt

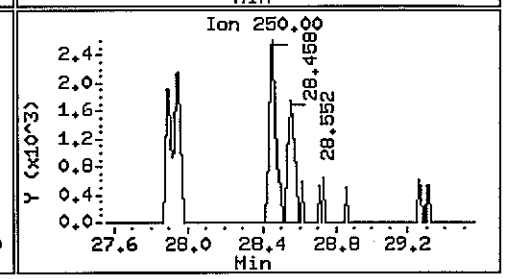




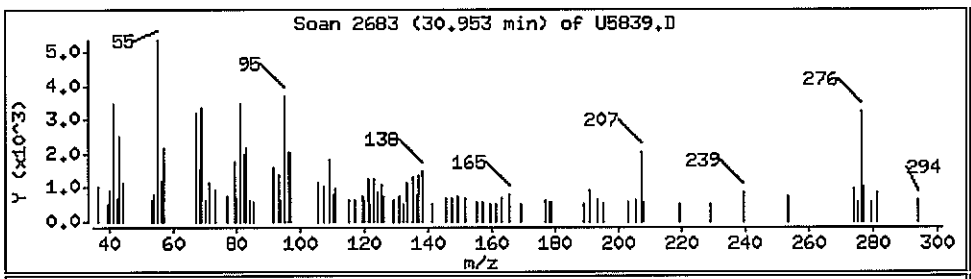


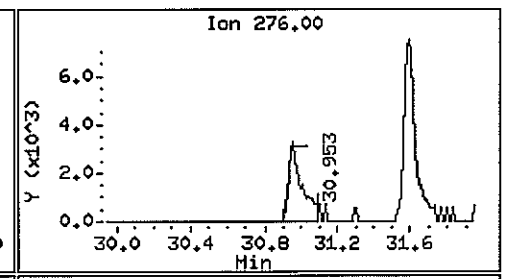


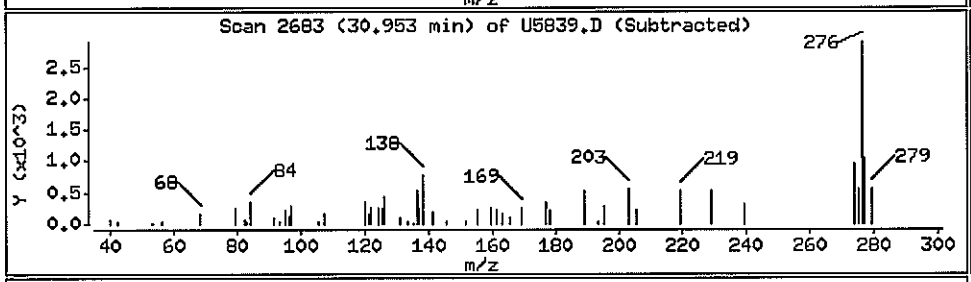


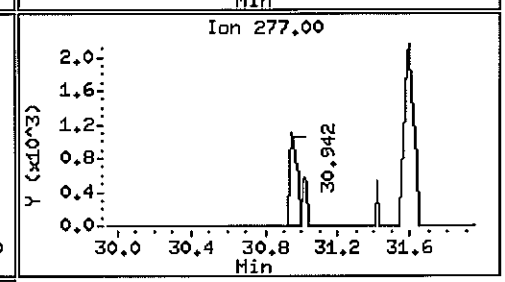


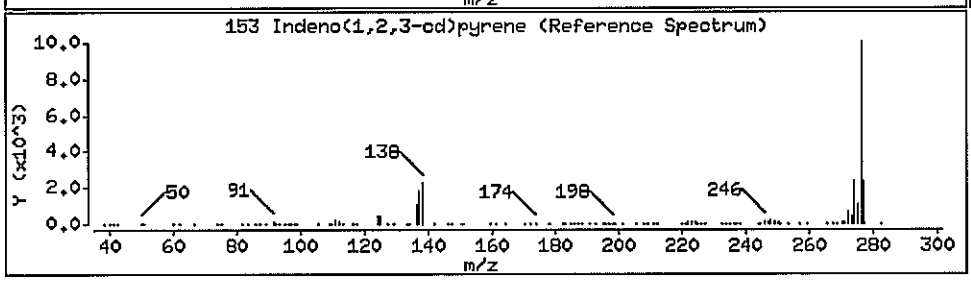
153 Indeno(1,2,3-cd)pyrene Concentration: 249 ug/Kgdrywt











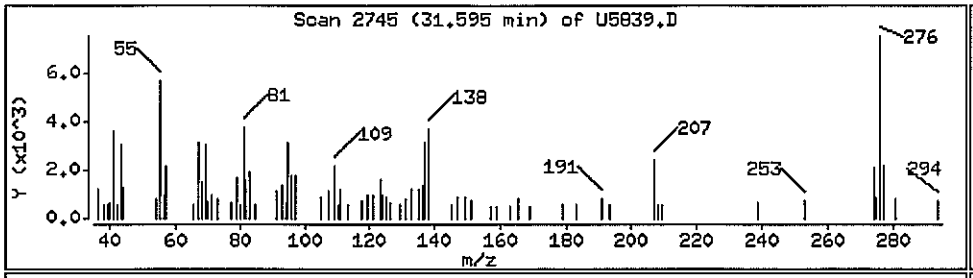
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5839.D

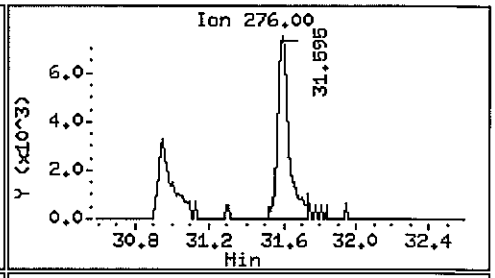
Date : 25-MAY-2011 14:10

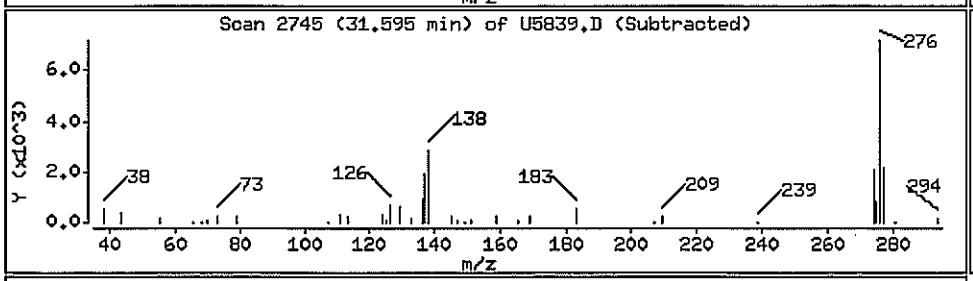
Client ID: SITE6-IDW-5526 Instrument: gcms-u.i

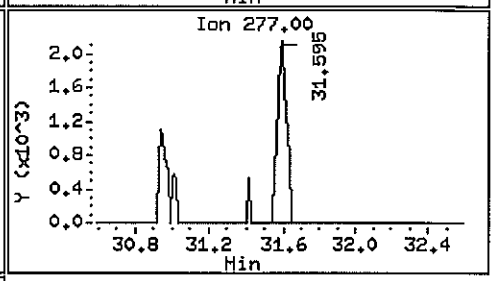
Sample Info: SE2818-9

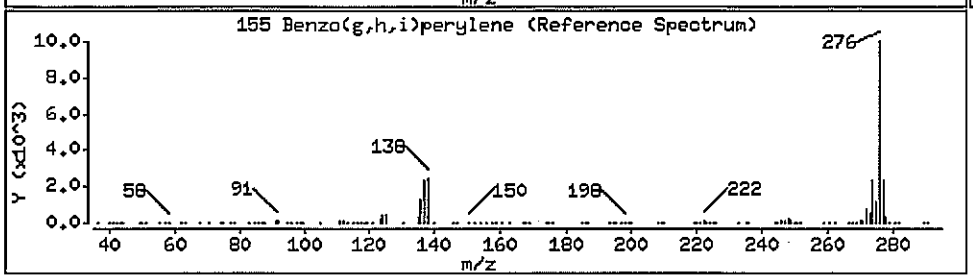
155 Benzo(g,h,i)perylene Concentration: 407 ug/Kgdrywt











Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethyl) Ether	U	250	ug/Kgdrywt	1	330	330	82.	250
2-Chlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
1,3-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	79.	250
1,4-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	87.	250
1,2-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	89.	250
2,2'-Oxybis(1-Chloropropane)	U	250	ug/Kgdrywt	1	330	330	90.	250
2-Methylphenol	U	250	ug/Kgdrywt	1	330	330	200	250
n-Nitroso-di-n-propylamine	U	250	ug/Kgdrywt	1	330	330	84.	250
3&4-Methylphenol	U	250	ug/Kgdrywt	1	330	330	190	250
Hexachloroethane	U	250	ug/Kgdrywt	1	330	330	97.	250
Nitrobenzene	U	250	ug/Kgdrywt	1	330	330	92.	250
Isophorone	U	250	ug/Kgdrywt	1	330	330	76.	250
2-Nitrophenol	U	250	ug/Kgdrywt	1	330	330	170	250
2,4-Dimethylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
Bis(2-chloroethoxy)methane	U	250	ug/Kgdrywt	1	330	330	97.	250
2,4-Dichlorophenol	U	250	ug/Kgdrywt	1	330	330	150	250
1,2,4-Trichlorobenzene	U	250	ug/Kgdrywt	1	330	330	82.	250
Naphthalene	U	250	ug/Kgdrywt	1	330	330	88.	250
4-Chloroaniline	U	250	ug/Kgdrywt	1	330	330	120	250
Hexachlorobutadiene	U	250	ug/Kgdrywt	1	330	330	84.	250
4-Chloro-3-methylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
2-Methylnaphthalene	U	250	ug/Kgdrywt	1	330	330	93.	250
Hexachlorocyclopentadiene	U	250	ug/Kgdrywt	1	330	330	83.	250
2,4,6-Trichlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
2,4,5-Trichlorophenol	U	620	ug/Kgdrywt	1	820	830	160	620
2-Chloronaphthalene	U	250	ug/Kgdrywt	1	330	330	88.	250
2-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	76.	620
Dimethyl phthalate	U	250	ug/Kgdrywt	1	330	330	79.	250
2,6-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	80.	250
Acenaphthylene	U	250	ug/Kgdrywt	1	330	330	71.	250
3-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	95.	620
Acenaphthene	U	250	ug/Kgdrywt	1	330	330	66.	250
2,4-Dinitrophenol	U	620	ug/Kgdrywt	1	820	830	380	620
Dibenzofuran	U	250	ug/Kgdrywt	1	330	330	80.	250

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-11
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	620	ug/Kgdrywt	1	820	830	310	620
2,4-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	86.	250
Diethylphthalate	U	250	ug/Kgdrywt	1	330	330	81.	250
Fluorene	U	250	ug/Kgdrywt	1	330	330	82.	250
4-Chlorophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	79.	250
4-Nitroaniline	U	620	ug/Kgdrywt	1	820	830	140	620
4,6-Dinitro-2-methylphenol	U	620	ug/Kgdrywt	1	820	830	340	620
n-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	330	220	250
4-Bromophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	86.	250
Hexachlorobenzene	U	250	ug/Kgdrywt	1	330	330	83.	250
Pentachlorophenol	U	620	ug/Kgdrywt	1	820	830	240	620
Phenanthrene	U	250	ug/Kgdrywt	1	330	330	84.	250
Anthracene	U	250	ug/Kgdrywt	1	330	330	85.	250
Carbazole	U	250	ug/Kgdrywt	1	330	330	110	250
Di-n-butylphthalate	U	250	ug/Kgdrywt	1	330	330	100	250
Fluoranthene	U	250	ug/Kgdrywt	1	330	330	110	250
Pyrene	U	250	ug/Kgdrywt	1	330	330	100	250
Butylbenzylphthalate	U	250	ug/Kgdrywt	1	330	330	94.	250
Benzo(a)anthracene	U	250	ug/Kgdrywt	1	330	330	87.	250
3,3'-Dichlorobenzidine	U	250	ug/Kgdrywt	1	330	330	120	250
Chrysene	U	250	ug/Kgdrywt	1	330	330	96.	250
Bis(2-ethylhexyl)phthalate	JB	110	ug/Kgdrywt	1	330	330	99.	250
Di-n-octylphthalate	U	250	ug/Kgdrywt	1	330	330	210	250
Benzo(b)fluoranthene	U	250	ug/Kgdrywt	1	330	330	140	250
Benzo(k)fluoranthene	U	250	ug/Kgdrywt	1	330	330	84.	250
Benzo(a)pyrene	U	250	ug/Kgdrywt	1	330	330	94.	250
Indeno(1,2,3-cd)pyrene	U	250	ug/Kgdrywt	1	330	330	120	250
Dibenzo(a,h)anthracene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(g,h,i)perylene	J	200	ug/Kgdrywt	1	330	330	100	250
2-Fluorophenol		43.4						
Phenol-d6		54.5						
Nitrobenzene-d5		47.4						
2-Fluorobiphenyl		59.0						
2,4,6-Tribromophenol	*	27.6						
Terphenyl-d14		66.1						

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5842.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5842.D
Lab Smp Id: SE2818-11 Client Smp ID: SITE6-IDW-782
Inj Date : 25-MAY-2011 16:23 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-11
Misc Info : WG91996,WG91853,U5802
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 25-May-2011 15:26 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03180	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	6.498	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.331	6.321	(0.722)	440409	43.4229	1460	
$ 15 Phenol-D6	99	8.246	8.257	(0.941)	637760	54.3752	1830	
* 19 1,4-Dichlorobenzene-D4	152	8.764	8.764	(1.000)	381269	40.0000		
$ 33 Nitrobenzene-D5	82	10.057	10.068	(0.867)	232676	23.7058	797	
* 43 Naphthalene-D8	136	11.600	11.600	(1.000)	1401890	40.0000		
$ 62 2-Fluorobiphenyl	172	14.229	14.239	(0.903)	572255	29.4706	991	
* 77 Acenaphthene-D10	164	15.750	15.750	(1.000)	771427	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.654	17.665	(1.121)	98943	27.5674	927	
* 114 Phenanthrene-D10	188	19.207	19.217	(1.000)	1181096	40.0000		
$ 129 Terphenyl-D14	244	23.119	23.119	(0.906)	406446	33.0873	1110	
* 139 Chrysene-D12	240	25.521	25.521	(1.000)	615793	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.935	25.945	(1.016)	37883	3.20585	108(a)	
* 150 Perylene-D12	264	28.677	28.677	(1.000)	300613	40.0000		
155 Benzo(g,h,i)perylene	276	31.586	31.586	(1.101)	20592	5.91388	199(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5842.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5842.D
Lab Smp Id: SE2818-11
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-782
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

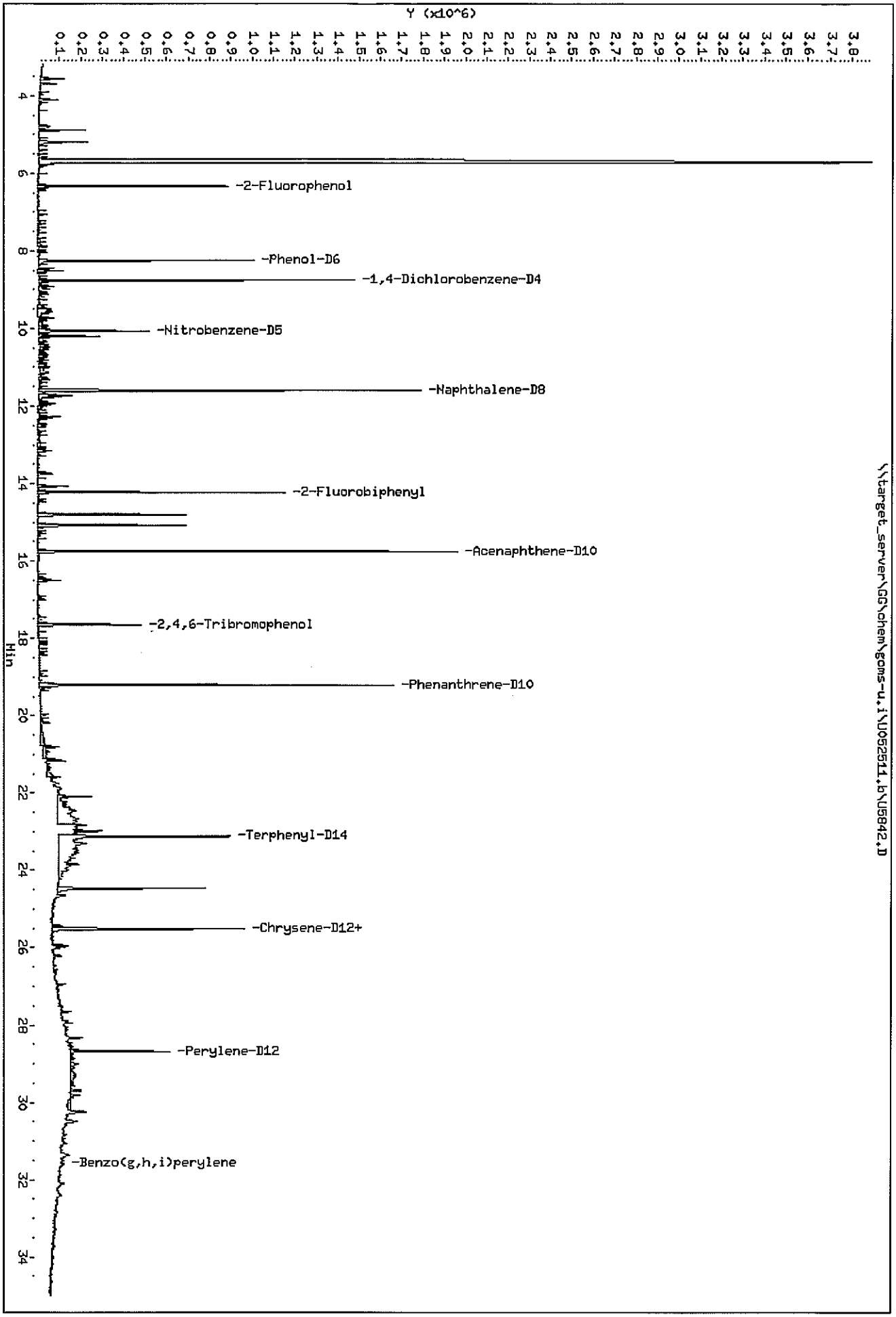
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	381269	16.47
43 Naphthalene-D8	1261487	630744	2522974	1401890	11.13
77 Acenaphthene-D10	688599	344300	1377198	771427	12.03
114 Phenanthrene-D10	1066957	533479	2133914	1181096	10.70
139 Chrysene-D12	669261	334631	1338522	615793	-7.99
150 Perylene-D12	342377	171189	684754	300613	-12.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.00
43 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.00
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.00
114 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.05
139 Chrysene-D12	25.52	25.02	26.02	25.52	-0.00
150 Perylene-D12	28.68	28.18	29.18	28.68	-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\goms-u.i\U052511.b\U5842.D
Date : 25-MAY-2011 16:23
Client ID: SITE6-IDW-782
Sample Info: SE2818-11

Instrument: goms-u.i



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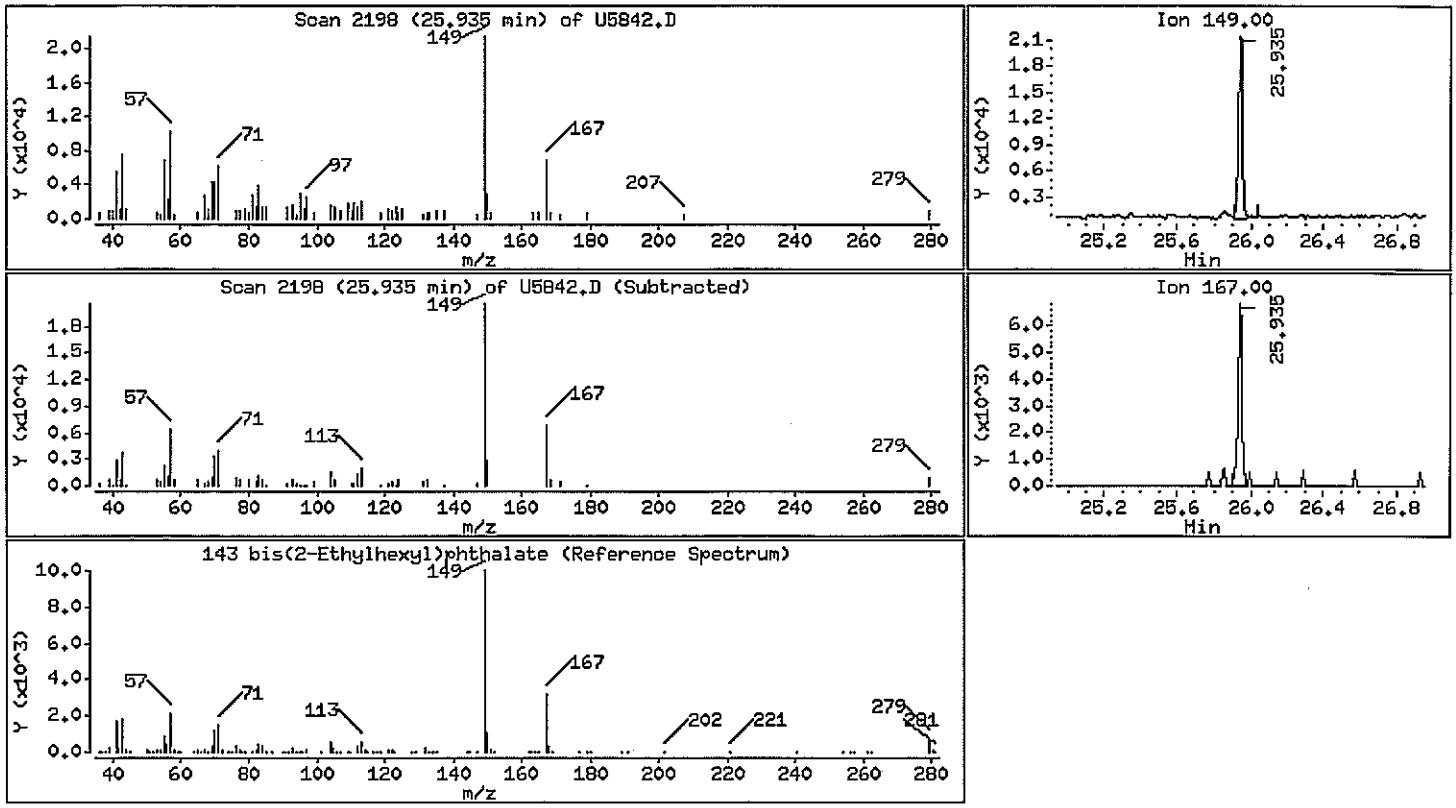
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5842.D

Date : 25-MAY-2011 16:23

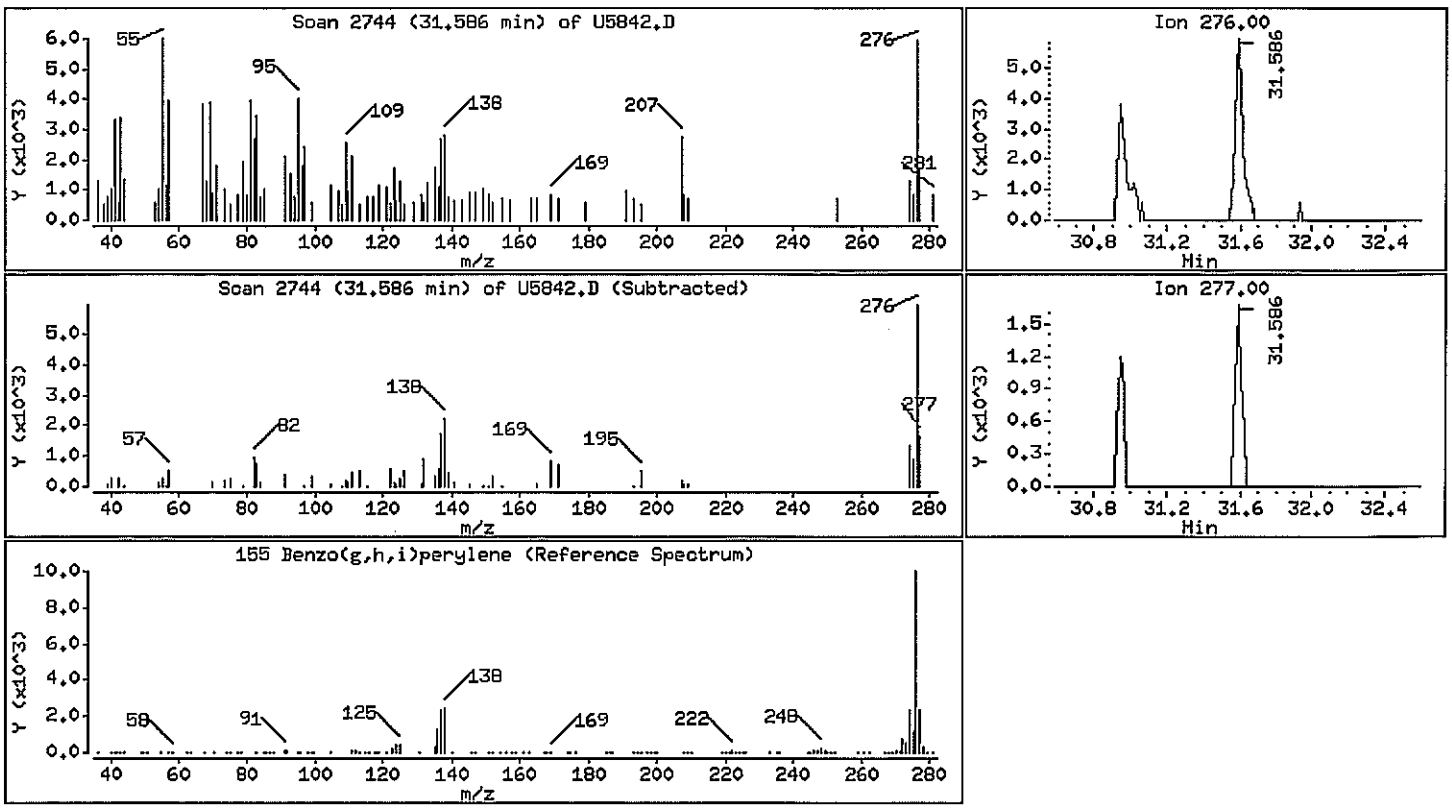
Client ID: SITE6-IDW-782 Instrument: gcms-u.i

Sample Info: SE2818-11

143 bis(2-Ethylhexyl)phthalate Concentration: 108 ug/Kgdrywt



155 Benzo(g,h,i)perylene Concentration: 199 ug/Kgdrywt



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	260	ug/Kgdrywt	1	330	350	160	260
Bis(2-Chloroethyl) Ether	U	260	ug/Kgdrywt	1	330	350	86.	260
2-Chlorophenol	U	260	ug/Kgdrywt	1	330	350	170	260
1,3-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	83.	260
1,4-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	91.	260
1,2-Dichlorobenzene	U	260	ug/Kgdrywt	1	330	350	94.	260
2,2'-Oxybis(1-Chloropropane)	U	260	ug/Kgdrywt	1	330	350	95.	260
2-Methylphenol	U	260	ug/Kgdrywt	1	330	350	210	260
n-Nitroso-di-n-propylamine	U	260	ug/Kgdrywt	1	330	350	88.	260
3&4-Methylphenol	U	260	ug/Kgdrywt	1	330	350	200	260
Hexachloroethane	U	260	ug/Kgdrywt	1	330	350	100	260
Nitrobenzene	U	260	ug/Kgdrywt	1	330	350	97.	260
Isophorone	U	260	ug/Kgdrywt	1	330	350	80.	260
2-Nitrophenol	U	260	ug/Kgdrywt	1	330	350	180	260
2,4-Dimethylphenol	U	260	ug/Kgdrywt	1	330	350	180	260
Bis(2-chloroethoxy)methane	U	260	ug/Kgdrywt	1	330	350	100	260
2,4-Dichlorophenol	U	260	ug/Kgdrywt	1	330	350	160	260
1,2,4-Trichlorobenzene	U	260	ug/Kgdrywt	1	330	350	86.	260
Naphthalene	E	4700	ug/Kgdrywt	1	330	350	92.	260
4-Chloroaniline	U	260	ug/Kgdrywt	1	330	350	130	260
Hexachlorobutadiene	U	260	ug/Kgdrywt	1	330	350	88.	260
4-Chloro-3-methylphenol	U	260	ug/Kgdrywt	1	330	350	180	260
2-Methylnaphthalene		950	ug/Kgdrywt	1	330	350	98.	260
Hexachlorocyclopentadiene	U	260	ug/Kgdrywt	1	330	350	87.	260
2,4,6-Trichlorophenol	U	260	ug/Kgdrywt	1	330	350	160	260
2,4,5-Trichlorophenol	U	650	ug/Kgdrywt	1	820	870	160	650
2-Chloronaphthalene	U	260	ug/Kgdrywt	1	330	350	92.	260
2-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	80.	650
Dimethyl phthalate	U	260	ug/Kgdrywt	1	330	350	83.	260
2,6-Dinitrotoluene	U	260	ug/Kgdrywt	1	330	350	84.	260
Acenaphthylene	U	260	ug/Kgdrywt	1	330	350	74.	260
3-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	100	650
Acenaphthene	U	260	ug/Kgdrywt	1	330	350	69.	260
2,4-Dinitrophenol	U	650	ug/Kgdrywt	1	820	870	400	650
Dibenzofuran	U	260	ug/Kgdrywt	1	330	350	84.	260

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http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	650	ug/Kgdrywt	1	820	870	330	650
2,4-Dinitrotoluene	U	260	ug/Kgdrywt	1	330	350	90.	260
Diethylphthalate	U	260	ug/Kgdrywt	1	330	350	85.	260
Fluorene	U	260	ug/Kgdrywt	1	330	350	86.	260
4-Chlorophenyl-phenylether	U	260	ug/Kgdrywt	1	330	350	83.	260
4-Nitroaniline	U	650	ug/Kgdrywt	1	820	870	140	650
4,6-Dinitro-2-methylphenol	U	650	ug/Kgdrywt	1	820	870	360	650
n-Nitrosodiphenylamine	U	260	ug/Kgdrywt	1	330	350	230	260
4-Bromophenyl-phenylether	U	260	ug/Kgdrywt	1	330	350	90.	260
Hexachlorobenzene	U	260	ug/Kgdrywt	1	330	350	87.	260
Pentachlorophenol	U	650	ug/Kgdrywt	1	820	870	250	650
Phenanthrene	U	260	ug/Kgdrywt	1	330	350	88.	260
Anthracene	U	260	ug/Kgdrywt	1	330	350	89.	260
Carbazole	U	260	ug/Kgdrywt	1	330	350	120	260
Di-n-butylphthalate	U	260	ug/Kgdrywt	1	330	350	110	260
Fluoranthene	U	260	ug/Kgdrywt	1	330	350	110	260
Pyrene	U	260	ug/Kgdrywt	1	330	350	110	260
Butylbenzylphthalate	U	260	ug/Kgdrywt	1	330	350	99.	260
Benzo(a)anthracene	U	260	ug/Kgdrywt	1	330	350	91.	260
3,3'-Dichlorobenzidine	U	260	ug/Kgdrywt	1	330	350	120	260
Chrysene	U	260	ug/Kgdrywt	1	330	350	100	260
Bis(2-ethylhexyl)phthalate	B	440	ug/Kgdrywt	1	330	350	100	260
Di-n-octylphthalate	U	260	ug/Kgdrywt	1	330	350	220	260
Benzo(b)fluoranthene	U	260	ug/Kgdrywt	1	330	350	140	260
Benzo(k)fluoranthene	U	260	ug/Kgdrywt	1	330	350	88.	260
Benzo(a)pyrene	J	140	ug/Kgdrywt	1	330	350	99.	260
Indeno(1,2,3-cd)pyrene	J	250	ug/Kgdrywt	1	330	350	130	260
Dibenzo(a,h)anthracene	U	260	ug/Kgdrywt	1	330	350	140	260
Benzo(g,h,i)perylene		370	ug/Kgdrywt	1	330	350	110	260
2-Fluorophenol		68.6						
Phenol-d6	*	0.00						
Nitrobenzene-d5	*	26.4						
2-Fluorobiphenyl		74.6						
2,4,6-Tribromophenol		39.0						
Terphenyl-d14		74.6						

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5840.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5840.D
Lab Smp Id: SE2818-13 Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 14:55 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-13
Misc Info : WG91996,WG91853,U5802
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 25-May-2011 15:26 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03060	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	7.836	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.361	6.321	(0.720)	634719	68.6574	2430	
* 19 1,4-Dichlorobenzene-D4	152	8.835	8.764	(1.000)	347527	40.0000	(Q)	
$ 33 Nitrobenzene-D5	82	10.108	10.068	(0.867)	141692	13.1623	467(Q)	
* 43 Naphthalene-D8	136	11.660	11.600	(1.000)	1537551	40.0000		
45 Naphthalene	128	11.712	11.641	(1.004)	3843364	133.712	4740(A)	
55 2-Methylnaphthalene	142	13.275	13.266	(1.138)	558315	26.6827	946	
$ 62 2-Fluorobiphenyl	172	14.238	14.239	(0.903)	773152	37.3219	1320	
* 77 Acenaphthene-D10	164	15.759	15.750	(1.000)	822993	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.663	17.665	(1.121)	149413	39.0209	1380	
* 114 Phenanthrene-D10	188	19.216	19.217	(1.000)	1165728	40.0000		
$ 129 Terphenyl-D14	244	23.128	23.119	(0.906)	405068	37.1103	1320	
* 139 Chrysene-D12	240	25.519	25.521	(1.000)	547176	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.944	25.945	(1.017)	128883	12.2745	435	
149 Benzo(a)pyrene	252	28.552	28.553	(0.996)	22818	4.00528	142(a)	
* 150 Perylene-D12	264	28.676	28.677	(1.000)	277299	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.953	30.944	(1.079)	18843	6.96740	247(a)	
155 Benzo(g,h,i)perylene	276	31.595	31.586	(1.102)	33602	10.4616	371	

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5840.D
Report Date: 26-May-2011 12:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5840.D
Lab Smp Id: SE2818-13
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-954
Level: LOW
Sample Type: SOIL

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

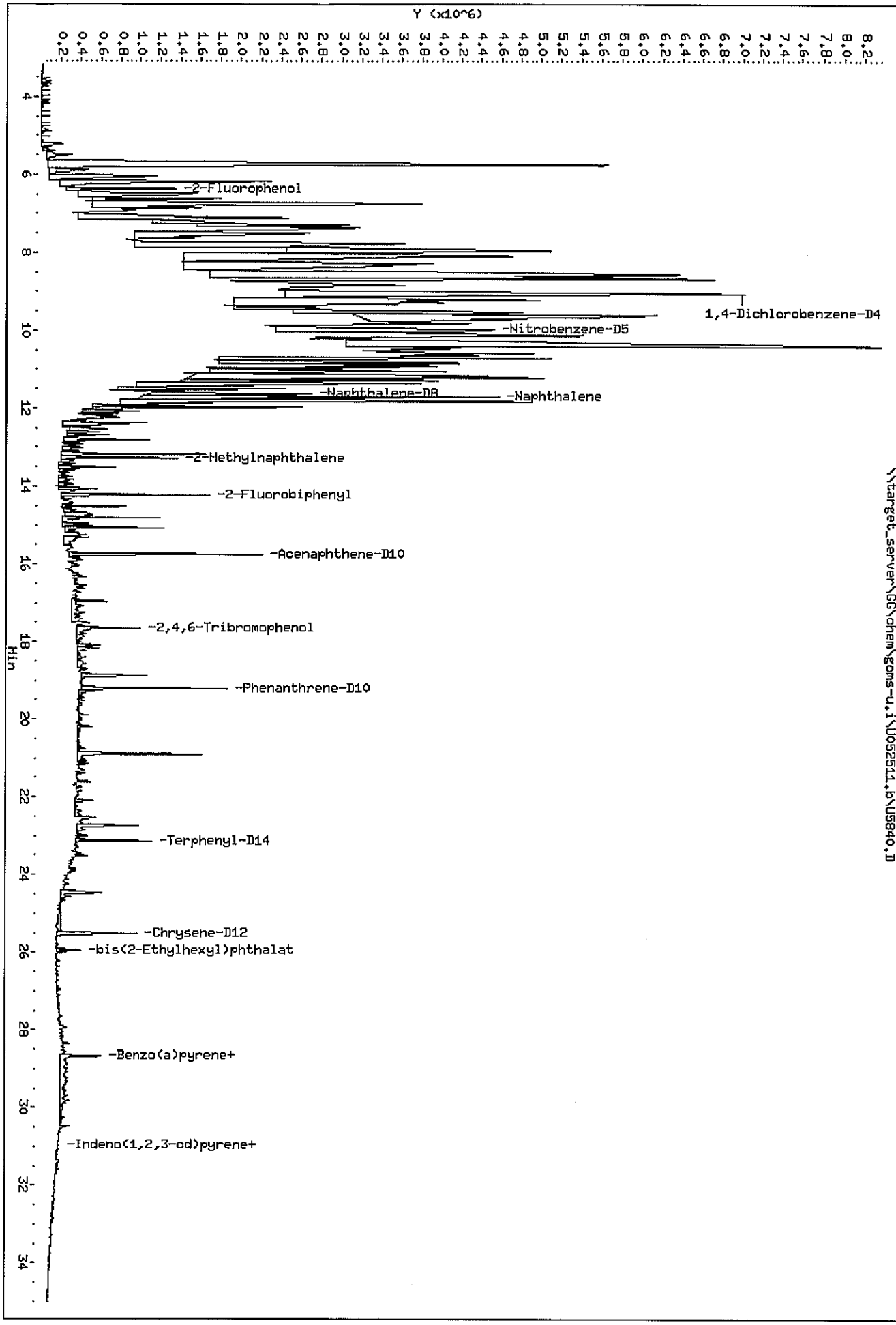
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	347527	6.17
43 Naphthalene-D8	1261487	630744	2522974	1537551	21.88
77 Acenaphthene-D10	688599	344300	1377198	822993	19.52
114 Phenanthrene-D10	1066957	533479	2133914	1165728	9.26
139 Chrysene-D12	669261	334631	1338522	547176	-18.24
150 Perylene-D12	342377	171189	684754	277299	-19.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.84	0.81
43 Naphthalene-D8	11.60	11.10	12.10	11.66	0.52
77 Acenaphthene-D10	15.75	15.25	16.25	15.76	0.06
114 Phenanthrene-D10	19.22	18.72	19.72	19.22	-0.01
139 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
150 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052514.b\U5840.D
Date : 25-MAY-2014 14:55
Client ID: SITE6-IDW-954
Sample Info: SE2818-13

Instrument: gcms-u.i



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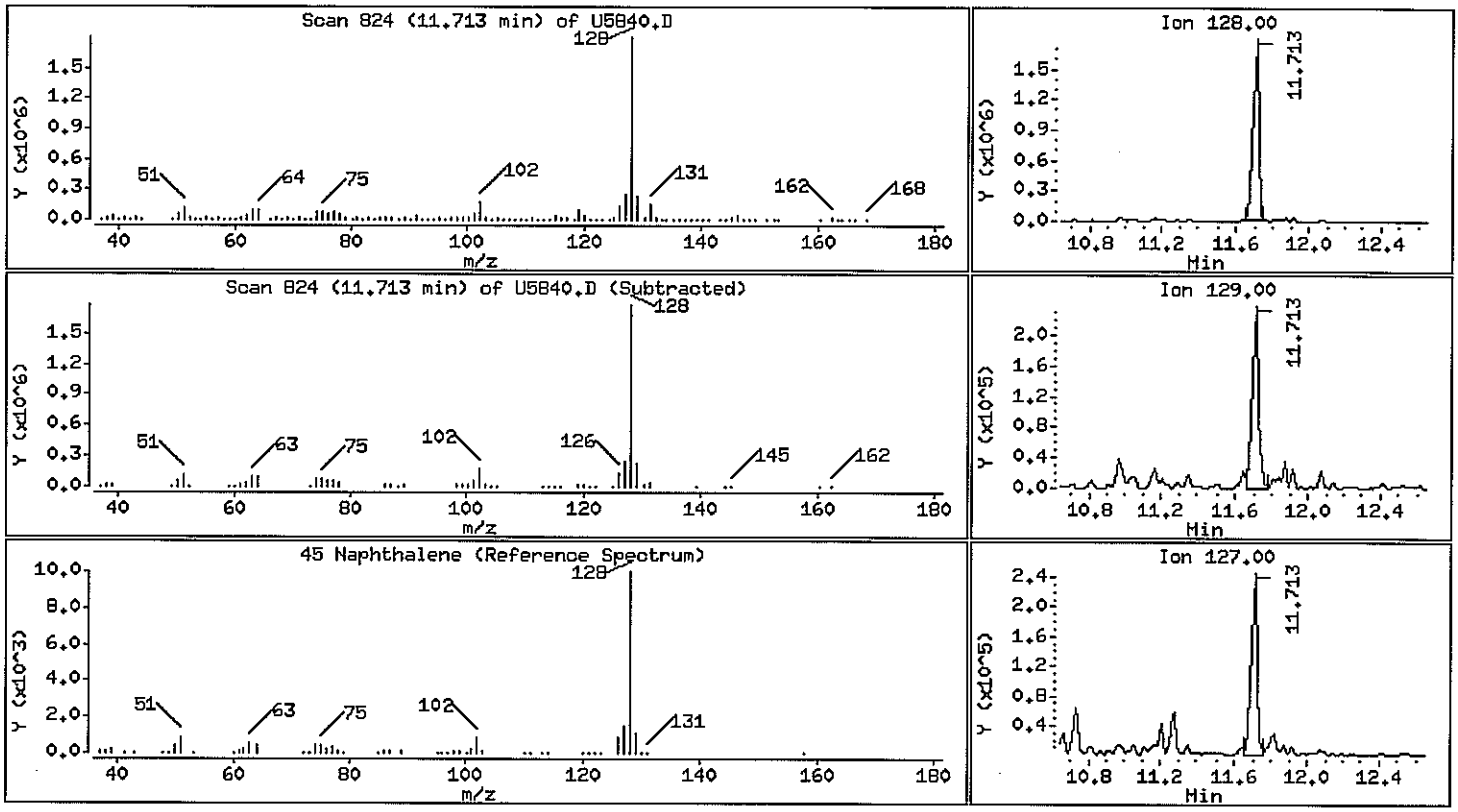
Date : 25-MAY-2011 14:55

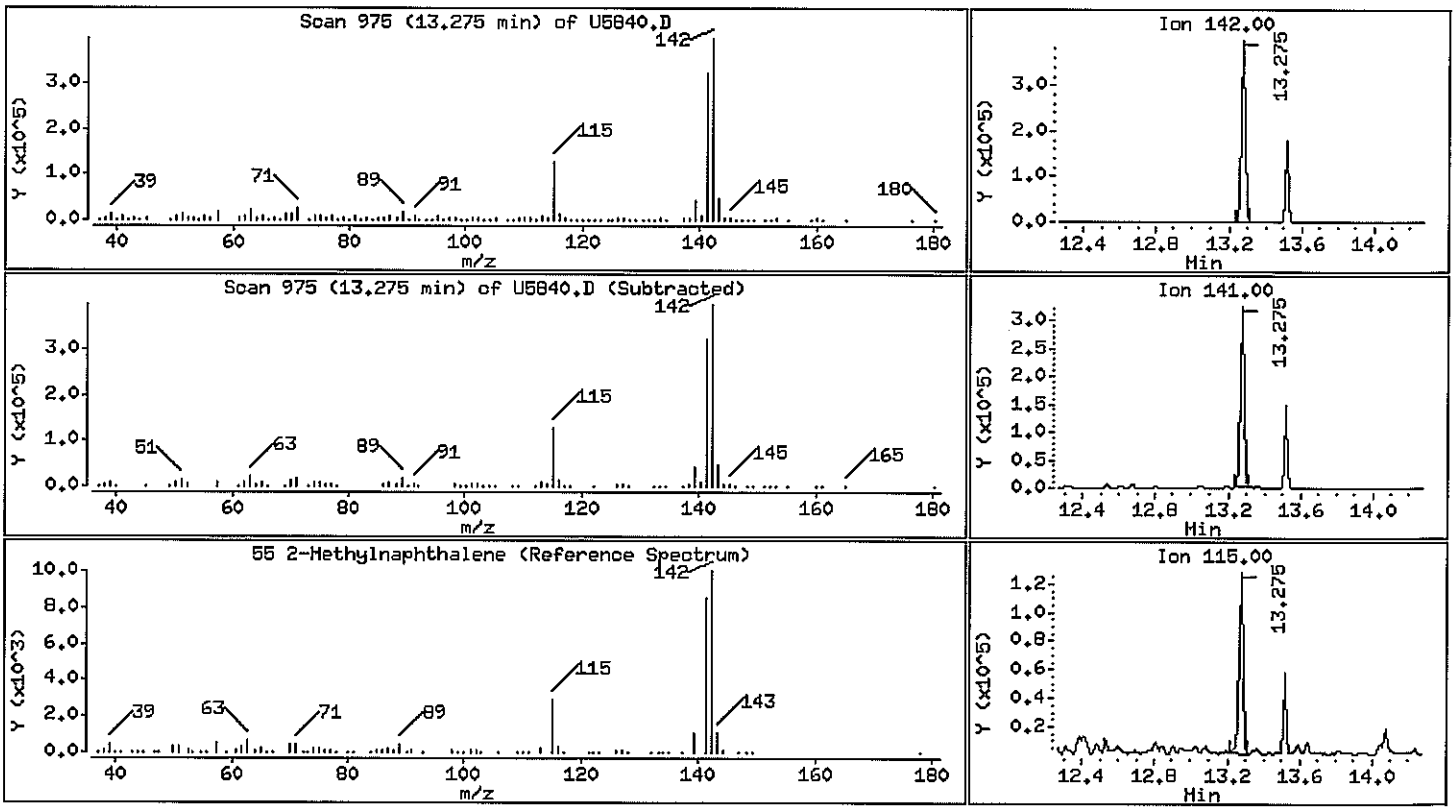
Client ID: SITE6-IDW-954 Instrument: gcms-u.i

Sample Info: SE2818-13

45 Naphthalene Concentration: 4740 ug/Kgdrywt



55 2-Methylnaphthalene Concentration: 946 ug/Kgdrywt



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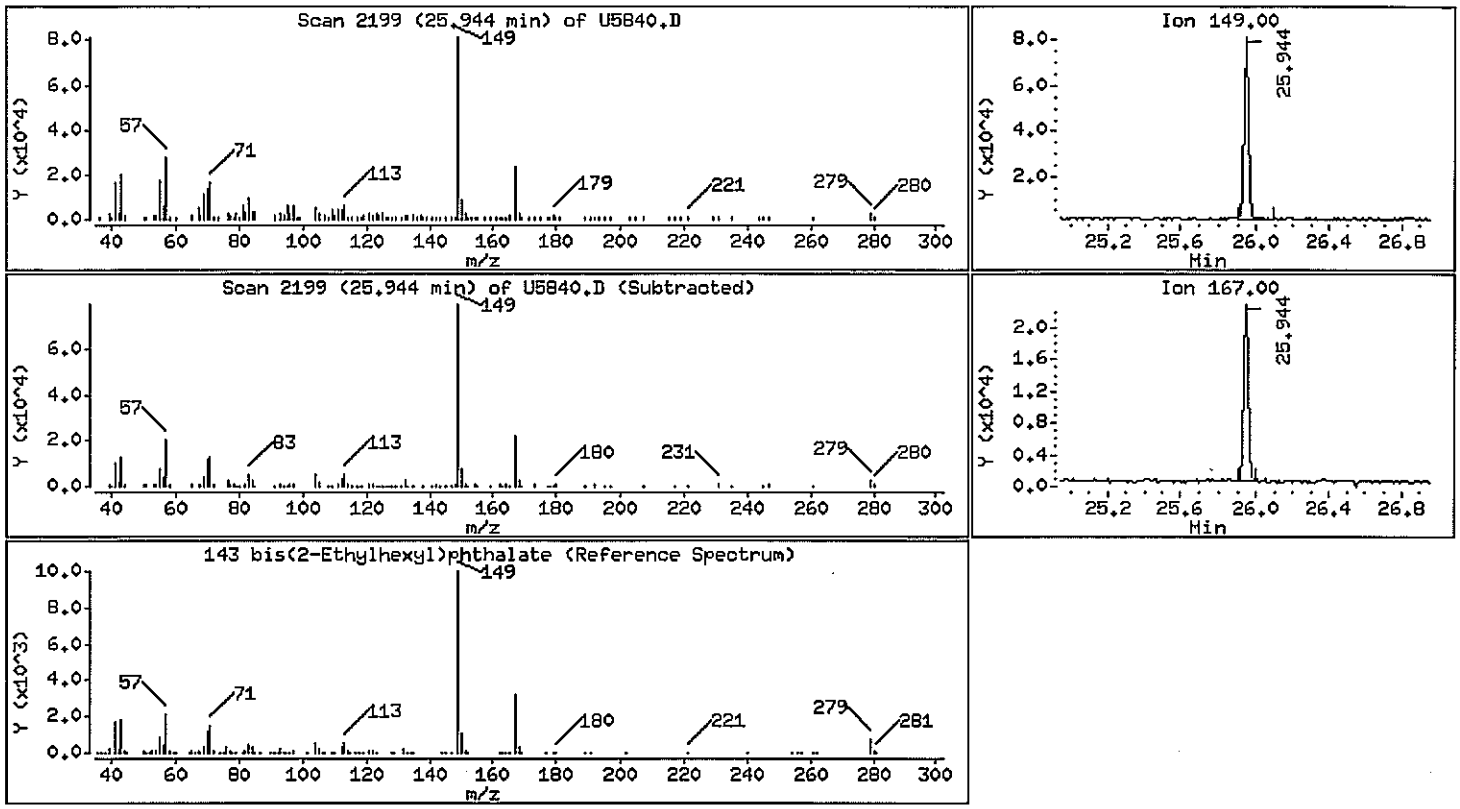
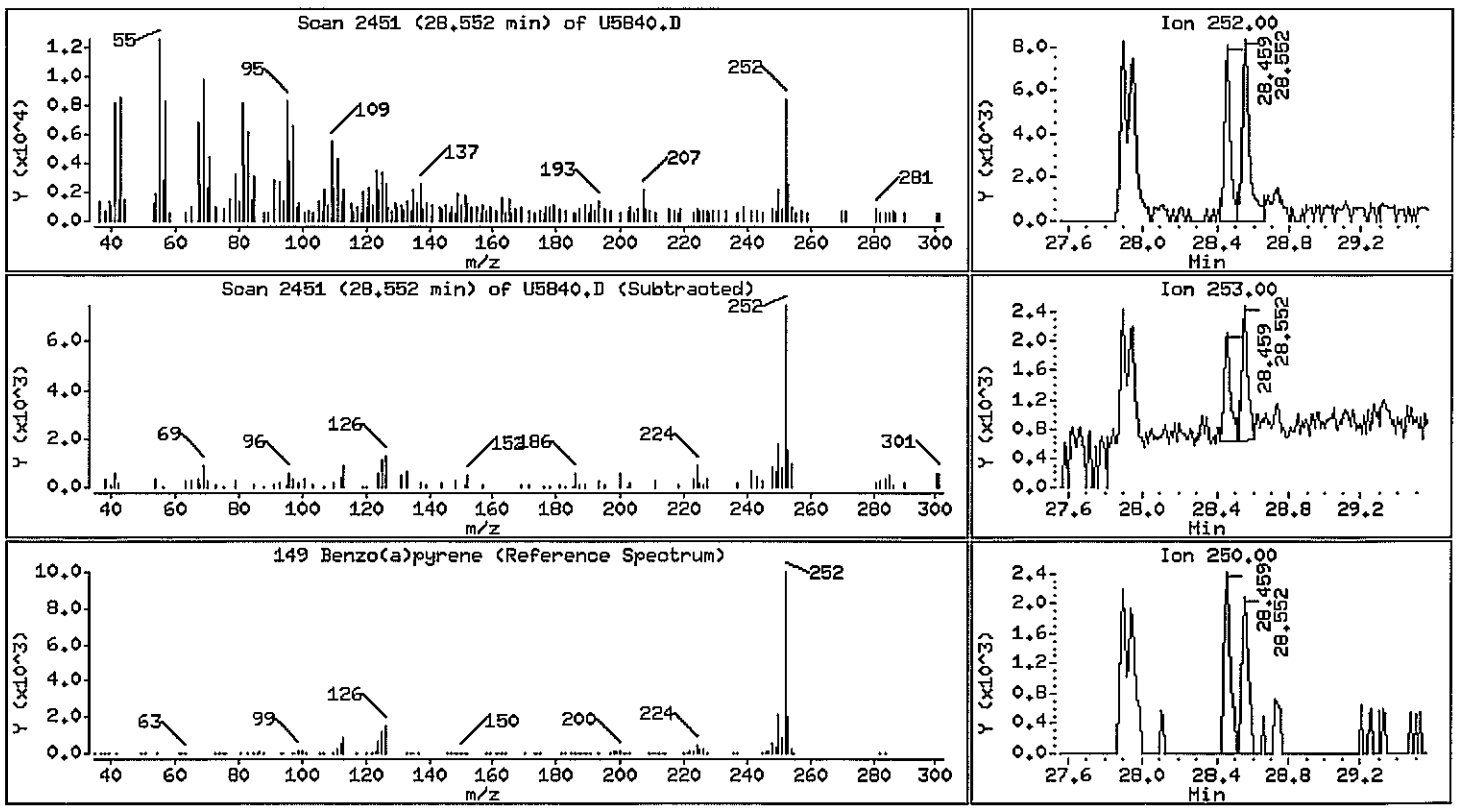
Date : 25-MAY-2011 14:55
Client ID: SITE6-IDW-954 Instrument: goms-u.i
Sample Info: SE2818-13

143 bis(2-Ethylhexyl)phthalate Concentration: 435 ug/Kgdrywt



149 Benzo(a)pyrene Concentration: 142 ug/Kgdrywt



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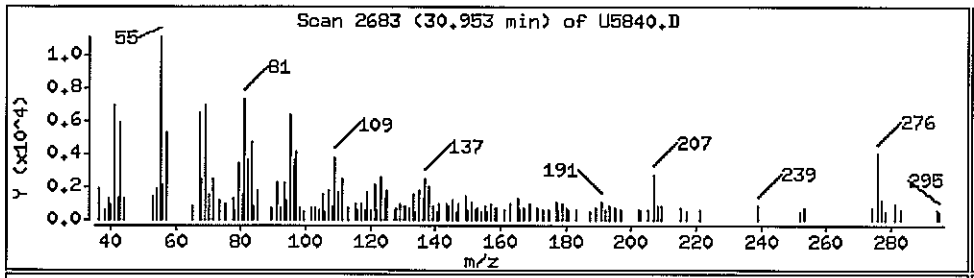
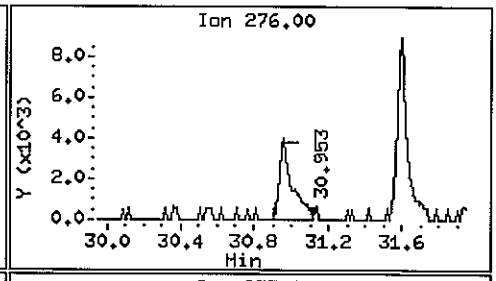
Date : 25-MAY-2011 14:55

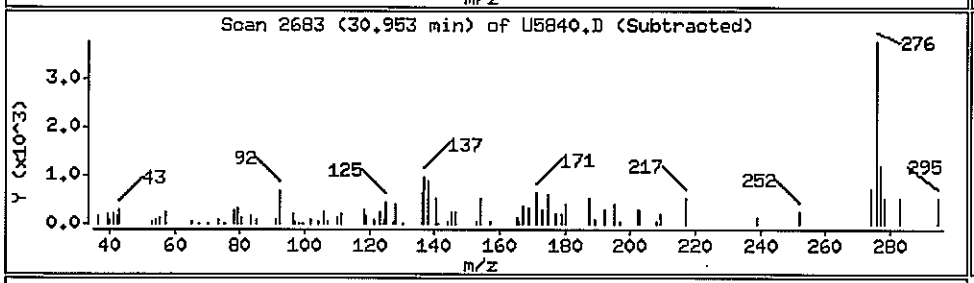
Client ID: SITE6-IDW-954 Instrument: gcms-u.i

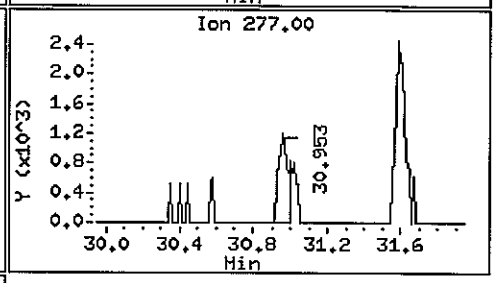
Sample Info: SE2818-13

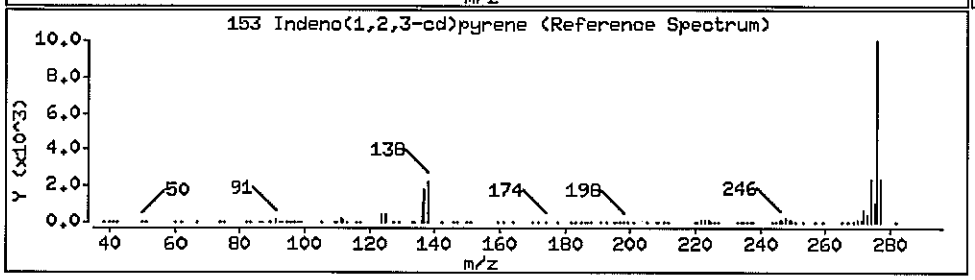
153 Indeno(1,2,3-cd)pyrene Concentration: 247 ug/Kgdrywt



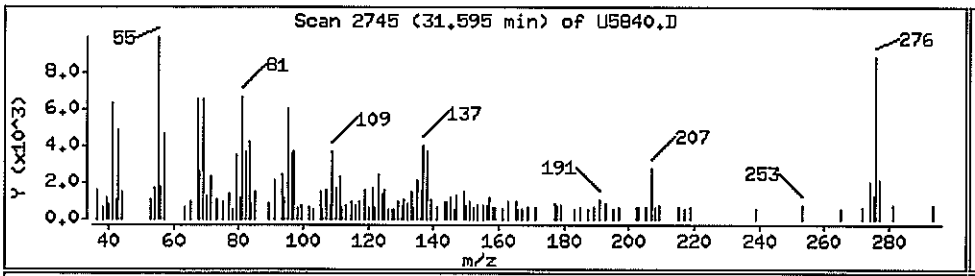


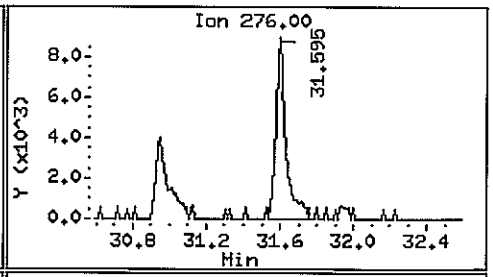


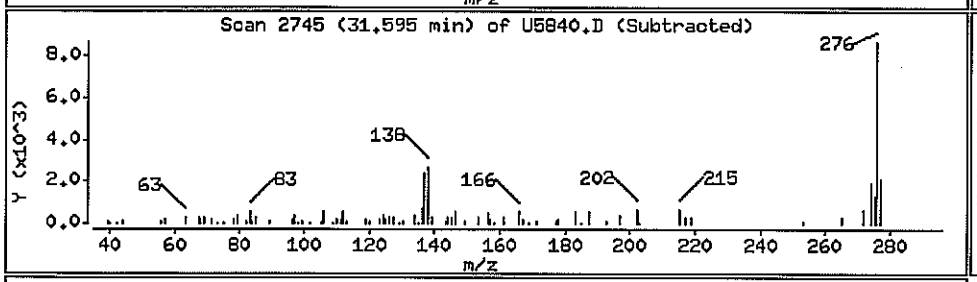


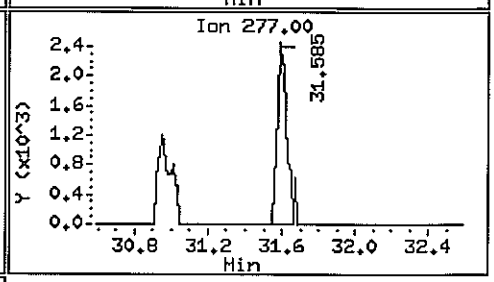


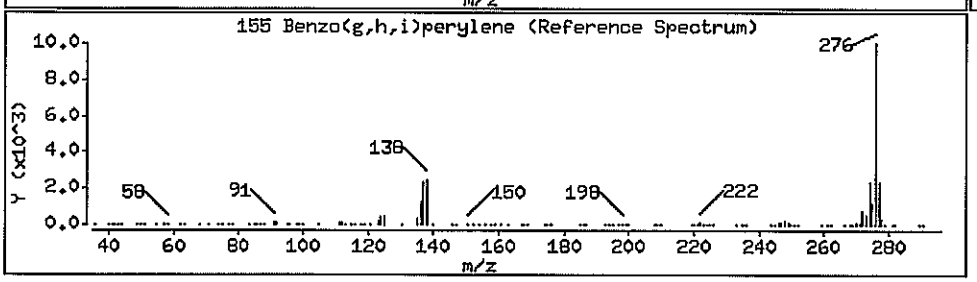
155 Benzo(g,h,i)perylene Concentration: 371 ug/Kgdrywt











Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	530	ug/Kgdrywt	2	330	700	330	530
Bis(2-Chloroethyl) Ether	U	530	ug/Kgdrywt	2	330	700	170	530
2-Chlorophenol	U	530	ug/Kgdrywt	2	330	700	350	530
1,3-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	160	530
1,4-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	180	530
1,2-Dichlorobenzene	U	530	ug/Kgdrywt	2	330	700	190	530
2,2'-Oxybis(1-Chloropropane)	U	530	ug/Kgdrywt	2	330	700	190	530
2-Methylphenol	U	530	ug/Kgdrywt	2	330	700	420	530
n-Nitroso-di-n-propylamine	U	530	ug/Kgdrywt	2	330	700	180	530
3&4-Methylphenol	U	530	ug/Kgdrywt	2	330	700	400	530
Hexachloroethane	U	530	ug/Kgdrywt	2	330	700	200	530
Nitrobenzene	U	530	ug/Kgdrywt	2	330	700	190	530
Isophorone	U	530	ug/Kgdrywt	2	330	700	160	530
2-Nitrophenol	U	530	ug/Kgdrywt	2	330	700	360	530
2,4-Dimethylphenol	U	530	ug/Kgdrywt	2	330	700	350	530
Bis(2-chloroethoxy)methane	U	530	ug/Kgdrywt	2	330	700	200	530
2,4-Dichlorophenol	U	530	ug/Kgdrywt	2	330	700	320	530
1,2,4-Trichlorobenzene	U	530	ug/Kgdrywt	2	330	700	170	530
Naphthalene		5400	ug/Kgdrywt	2	330	700	180	530
4-Chloroaniline	U	530	ug/Kgdrywt	2	330	700	250	530
Hexachlorobutadiene	U	530	ug/Kgdrywt	2	330	700	180	530
4-Chloro-3-methylphenol	U	530	ug/Kgdrywt	2	330	700	350	530
2-Methylnaphthalene		910	ug/Kgdrywt	2	330	700	200	530
Hexachlorocyclopentadiene	U	530	ug/Kgdrywt	2	330	700	170	530
2,4,6-Trichlorophenol	U	530	ug/Kgdrywt	2	330	700	330	530
2,4,5-Trichlorophenol	U	1300	ug/Kgdrywt	2	820	1700	330	1300
2-Chloronaphthalene	U	530	ug/Kgdrywt	2	330	700	180	530
2-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	160	1300
Dimethyl phthalate	U	530	ug/Kgdrywt	2	330	700	160	530
2,6-Dinitrotoluene	U	530	ug/Kgdrywt	2	330	700	170	530
Acenaphthylene	U	530	ug/Kgdrywt	2	330	700	150	530
3-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	200	1300
Acenaphthene	U	530	ug/Kgdrywt	2	330	700	140	530
2,4-Dinitrophenol	U	1300	ug/Kgdrywt	2	820	1700	800	1300
Dibenzofuran	U	530	ug/Kgdrywt	2	330	700	170	530

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-13DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
4-Nitrophenol	U	1300	ug/Kgdrywt	2	820	1700	660	1300
2,4-Dinitrotoluene	U	530	ug/Kgdrywt	2	330	700	180	530
Diethylphthalate	U	530	ug/Kgdrywt	2	330	700	170	530
Fluorene	U	530	ug/Kgdrywt	2	330	700	170	530
4-Chlorophenyl-phenylether	U	530	ug/Kgdrywt	2	330	700	160	530
4-Nitroaniline	U	1300	ug/Kgdrywt	2	820	1700	280	1300
4,6-Dinitro-2-methylphenol	U	1300	ug/Kgdrywt	2	820	1700	720	1300
n-Nitrosodiphenylamine	U	530	ug/Kgdrywt	2	330	700	460	530
4-Bromophenyl-phenylether	U	530	ug/Kgdrywt	2	330	700	180	530
Hexachlorobenzene	U	530	ug/Kgdrywt	2	330	700	170	530
Pentachlorophenol	U	1300	ug/Kgdrywt	2	820	1700	500	1300
Phenanthrene	U	530	ug/Kgdrywt	2	330	700	180	530
Anthracene	U	530	ug/Kgdrywt	2	330	700	180	530
Carbazole	U	530	ug/Kgdrywt	2	330	700	240	530
Di-n-butylphthalate	U	530	ug/Kgdrywt	2	330	700	210	530
Fluoranthene	U	530	ug/Kgdrywt	2	330	700	220	530
Pyrene	U	530	ug/Kgdrywt	2	330	700	210	530
Butylbenzylphthalate	U	530	ug/Kgdrywt	2	330	700	200	530
Benzo(a)anthracene	U	530	ug/Kgdrywt	2	330	700	180	530
3,3'-Dichlorobenzidine	U	530	ug/Kgdrywt	2	330	700	240	530
Chrysene	U	530	ug/Kgdrywt	2	330	700	200	530
Bis(2-ethylhexyl)phthalate	JB	450	ug/Kgdrywt	2	330	700	210	530
Di-n-octylphthalate	U	530	ug/Kgdrywt	2	330	700	450	530
Benzo(b)fluoranthene	U	530	ug/Kgdrywt	2	330	700	280	530
Benzo(k)fluoranthene	U	530	ug/Kgdrywt	2	330	700	180	530
Benzo(a)pyrene	U	530	ug/Kgdrywt	2	330	700	200	530
Indeno(1,2,3-cd)pyrene	U	530	ug/Kgdrywt	2	330	700	260	530
Dibenzo(a,h)anthracene	U	530	ug/Kgdrywt	2	330	700	270	530
Benzo(g,h,i)perylene	J	310	ug/Kgdrywt	2	330	700	220	530
2-Fluorophenol		70.3						
Phenol-d6		59.6						
Nitrobenzene-d5		68.4						
2-Fluorobiphenyl		74.6						
2,4,6-Tribromophenol		39.3						
Terphenyl-d14		71.2						

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5849.D
Report Date: 26-May-2011 12:56

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5849.D
Lab Smp Id: SE2818-13DL Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 21:33 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-13DL
Misc Info : WG91996,WG91853,U5802
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 25-May-2011 15:26 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 16
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	2.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03060	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	7.836	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.339	6.321	(0.720)	309608	35.1359	2490	
$ 15 Phenol-D6	99	8.264	8.257	(0.939)	303496	29.7833	2110(Q)	
* 19 1,4-Dichlorobenzene-D4	152	8.803	8.764	(1.000)	331250	40.0000		
$ 33 Nitrobenzene-D5	82	10.086	10.068	(0.868)	183773	17.0093	1210	
* 43 Naphthalene-D8	136	11.618	11.600	(1.000)	1543163	40.0000		
45 Naphthalene	128	11.670	11.641	(1.004)	2179944	75.5650	5360	
55 2-Methylnaphthalene	142	13.263	13.266	(1.142)	268452	12.7831	906	
$ 62 2-Fluorobiphenyl	172	14.226	14.239	(0.903)	387061	18.5525	1320	
* 77 Acenaphthene-D10	164	15.748	15.750	(1.000)	828843	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	75719	19.6353	1390	
* 114 Phenanthrene-D10	188	19.215	19.217	(1.000)	1337094	40.0000		
$ 129 Terphenyl-D14	244	23.127	23.119	(0.906)	275635	17.8073	1260	
* 139 Chrysene-D12	240	25.518	25.521	(1.000)	775945	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.942	25.945	(1.017)	95274	6.39848	454(a)	
* 150 Perylene-D12	264	28.685	28.677	(1.000)	388283	40.0000		
155 Benzo(g,h,i)perylene	276	31.604	31.586	(1.102)	19908	4.42651	314(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5849.D
Report Date: 26-May-2011 12:56

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5849.D
Lab Smp Id: SE2818-13DL
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-954
Level: LOW
Sample Type: SOIL

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

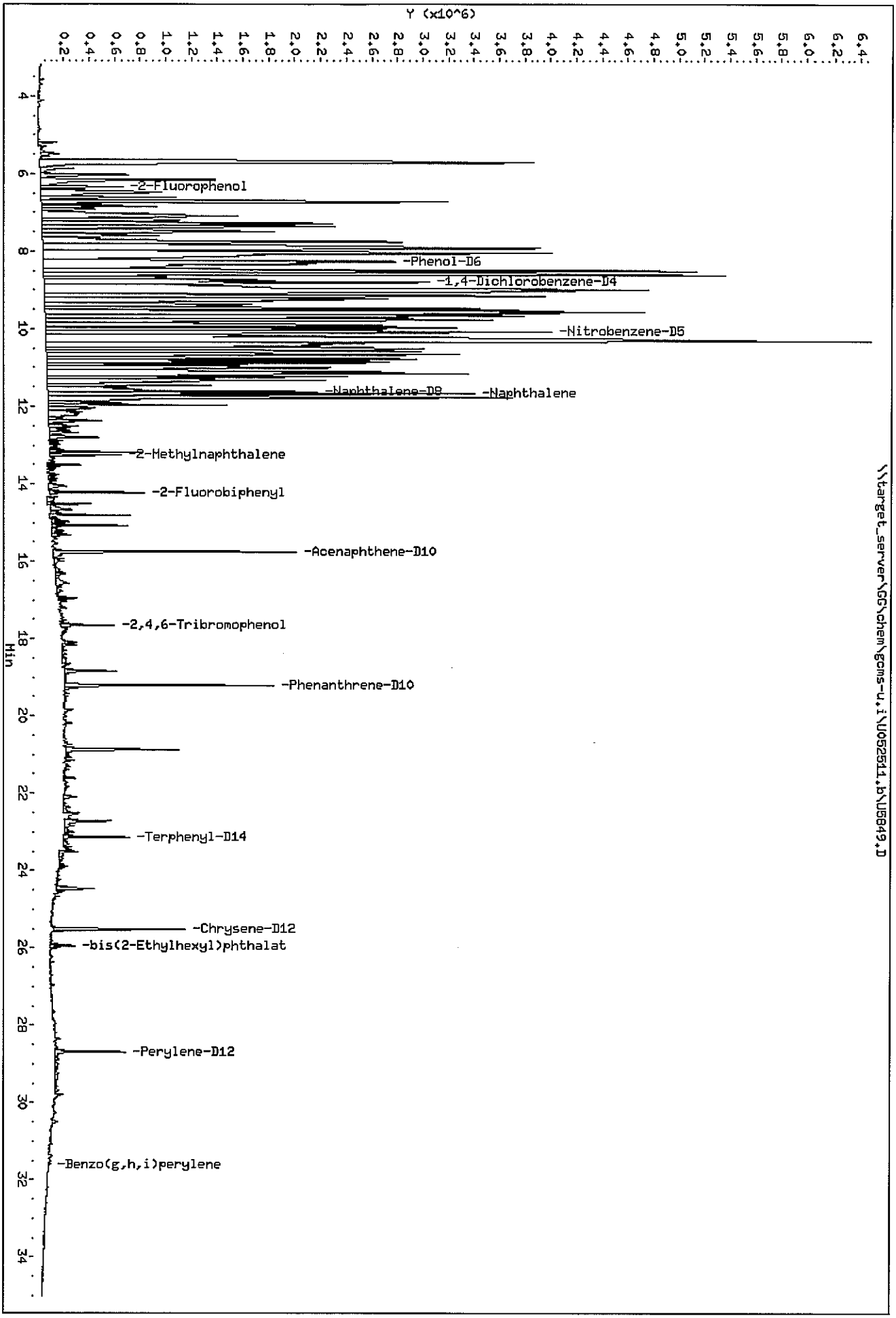
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	331250	1.19
43 Naphthalene-D8	1261487	630744	2522974	1543163	22.33
77 Acenaphthene-D10	688599	344300	1377198	828843	20.37
114 Phenanthrene-D10	1066957	533479	2133914	1337094	25.32
139 Chrysene-D12	669261	334631	1338522	775945	15.94
150 Perylene-D12	342377	171189	684754	388283	13.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.80	0.44
43 Naphthalene-D8	11.60	11.10	12.10	11.62	0.16
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.02
114 Phenanthrene-D10	19.22	18.72	19.72	19.22	-0.01
139 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
150 Perylene-D12	28.68	28.18	29.18	28.69	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-u.i\U052511.b\U5849.D
Date : 25-MAY-2011 21:33
Client ID: SITE6-IDW-984
Sample Info: SE2818-13DL

Instrument: gcms-u.i



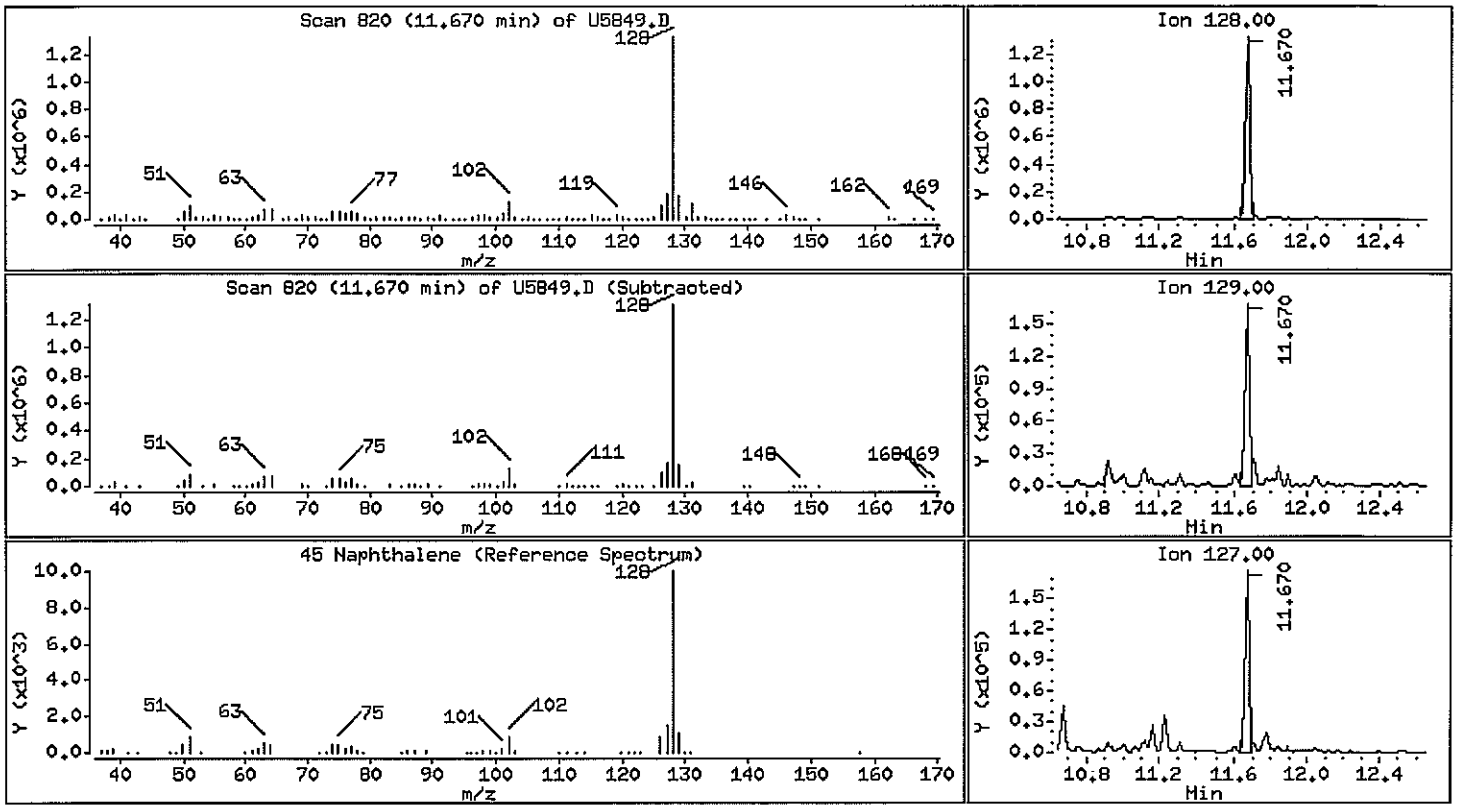
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5849.D

Date : 25-MAY-2011 21:33

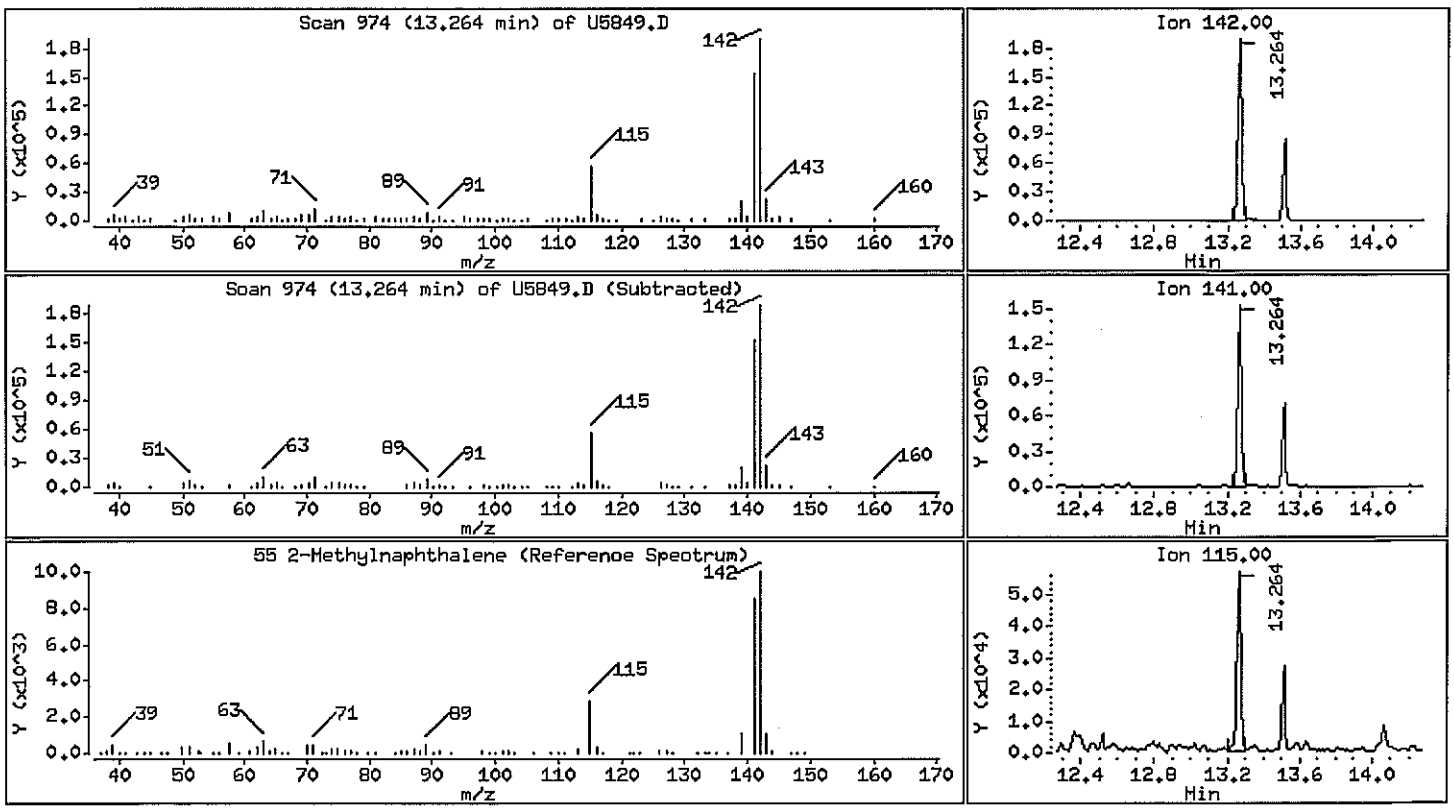
Client ID: SITE6-IDW-954 Instrument: gcms-u.i

Sample Info: SE2818-13DL

45 Naphthalene Concentration: 5360 ug/Kgdrywt



55 2-Methylnaphthalene Concentration: 906 ug/Kgdrywt



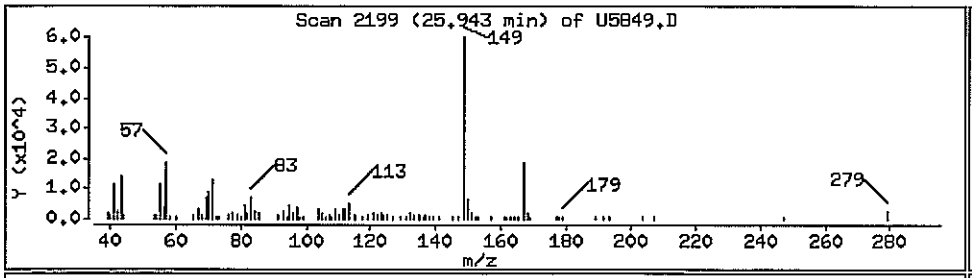
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5849.D

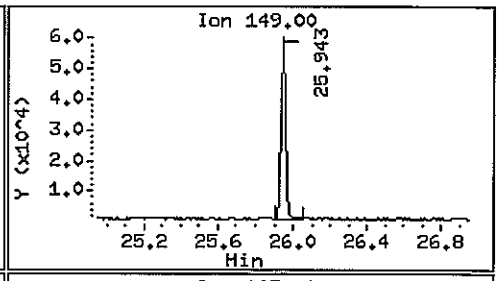
Date : 25-MAY-2011 21:33

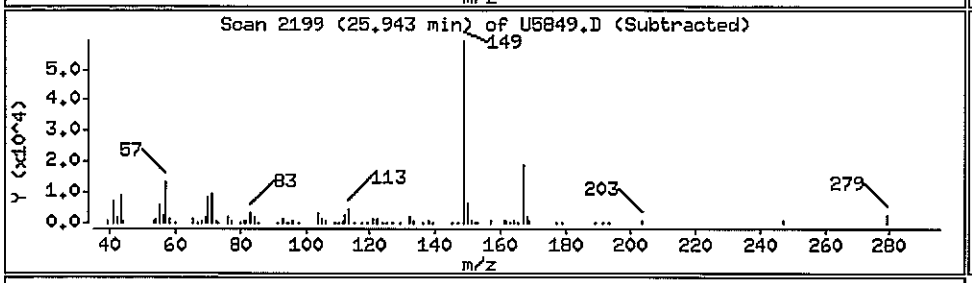
Client ID: SITE6-IDW-954 Instrument: gcms-u.i

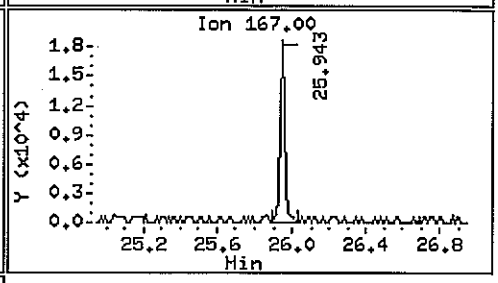
Sample Info: SE2818-13DL

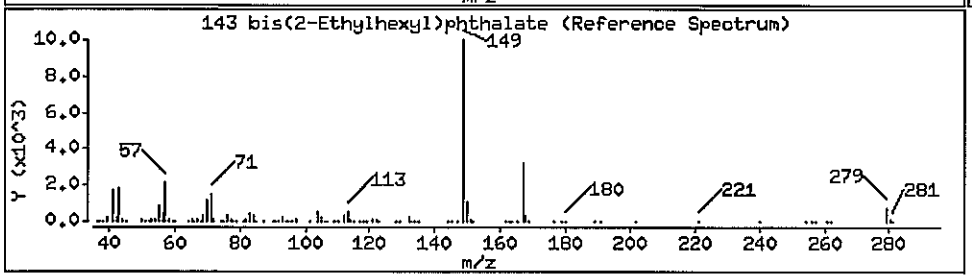
143 bis(2-Ethylhexyl)phthalate Concentration: 454 ug/Kgdrywt



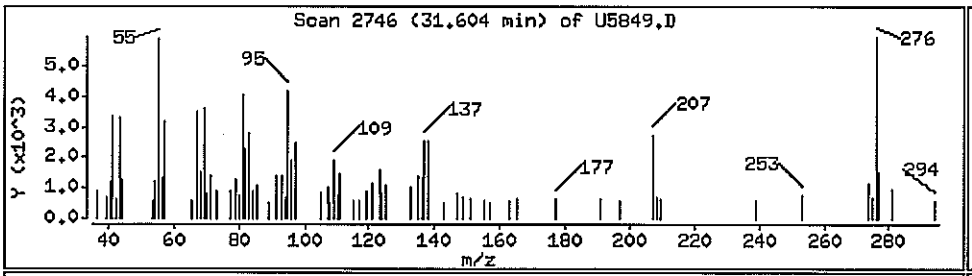


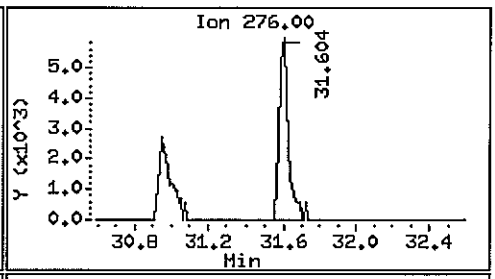


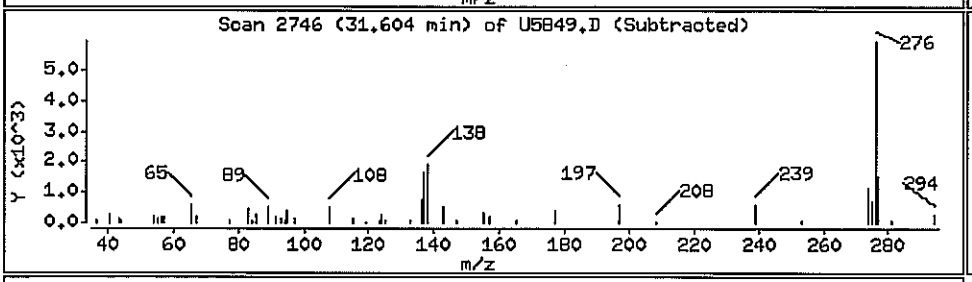


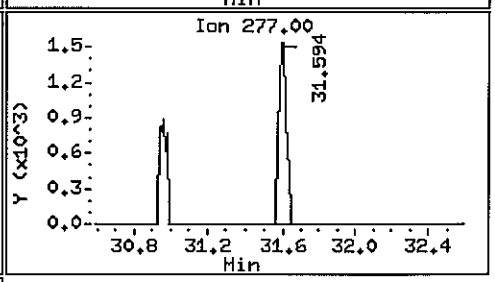


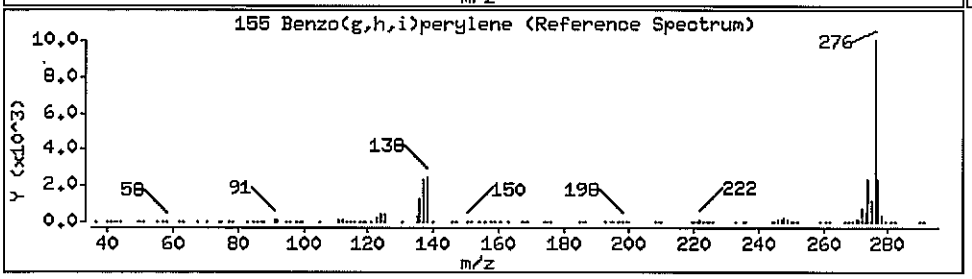
155 Benzo(g,h,i)perylene Concentration: 314 ug/Kgdrywt











Standards Data Section

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803 RF25: U5804 RF50: U5802
RF75: U5805 RF100: U5806 RF125: U5807

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Phenol	1.275	1.321	1.259	1.242	1.126	1.160	AVRG		1.23073707		5.971	30.000
Bis(2-Chloroethyl)ether	1.029	1.041	0.994	0.975	0.876	0.865	AVRG		0.96326457		7.863	15.000
2-Chlorophenol	1.143	1.145	1.103	1.110	1.013	0.990	AVRG		1.08395554		6.115	15.000
1,3-Dichlorobenzene	1.339	1.329	1.271	1.260	1.127	1.089	AVRG		1.23585691		8.456	15.000
1,4-Dichlorobenzene	1.359	1.331	1.249	1.246	1.115	1.066	AVRG		1.22771655		9.456	30.000
1,2-Dichlorobenzene	1.269	1.234	1.149	1.128	1.011	0.990	AVRG		1.13028177		10.008	15.000
2-Methylphenol	0.939	0.955	0.928	0.943	0.902	0.940	AVRG		0.93444283		1.943	15.000
2,2'-Oxybis(1-chloropropa	1.353	1.323	1.232	1.253	1.160	1.137	AVRG		1.24291198		6.903	15.000
N-Nitroso-di-n-propylamin	0.722	0.676	0.650	0.627	0.572	0.560	AVRG		0.63446477		9.736	15.000
3&4-Methylphenol	1.070	1.074	1.026	1.001	0.923	0.873	AVRG		0.99437439		8.157	15.000
Hexachloroethane	0.532	0.497	0.469	0.454	0.412	0.412	AVRG		0.46268347		10.214	15.000
Nitrobenzene	0.292	0.286	0.271	0.279	0.251	0.245	AVRG		0.27065908		7.070	15.000
Isophorone	0.527	0.525	0.502	0.513	0.471	0.360	AVRG		0.48296112		13.193	15.000
2-Nitrophenol	0.174	0.172	0.170	0.172	0.162	0.161	AVRG		0.16866794		3.362	30.000
2,4-Dimethylphenol	0.284	0.285	0.267	0.266	0.244	0.239	AVRG		0.26425024		7.334	15.000
Bis(2-Chloroethoxy)methan	0.335	0.347	0.336	0.321	0.290	0.295	AVRG		0.32078437		7.255	15.000
2,4-Dichlorophenol	0.256	0.258	0.242	0.240	0.223	0.211	AVRG		0.23846229		7.654	30.000
1,2,4-Trichlorobenzene	0.320	0.312	0.288	0.288	0.254	0.248	AVRG		0.28500713		10.282	15.000
Naphthalene	0.842	0.829	0.757	0.747	0.663	0.648	AVRG		0.74777797		10.806	15.000
4-Chloroaniline	117740	299910	478290	688510	959250	1194200	2ORDR	2.512e-002	2.13546387	2.79345411	0.99579	0.99000
Hexachlorobutadiene	0.181	0.182	0.171	0.169	0.149	0.142	AVRG		0.16583664		10.004	30.000
4-Chloro-3-Methylphenol	0.235	0.237	0.226	0.217	0.193	0.202	AVRG		0.21837324		8.122	30.000
2-Methylnaphthalene	0.615	0.592	0.559	0.539	0.486	0.476	AVRG		0.54435169		10.266	15.000
Hexachlorocyclopentadiene	0.318	0.350	0.349	0.352	0.342	0.311	AVRG		0.33685855		5.313	15.000
2,4,6-Trichlorophenol	0.332	0.346	0.323	0.324	0.307	0.293	AVRG		0.32100644		5.824	30.000
2,4,5-Trichlorophenol	0.335	0.358	0.349	0.370	0.365	0.343	AVRG		0.35353614		3.766	15.000
2-Chloronaphthalene	1.540	1.491	1.331	1.288	1.167	1.064	AVRG		1.31359397		13.930	15.000
2-Nitroaniline	0.250	0.259	0.254	0.268	0.254	0.246	AVRG		0.25502195		2.945	15.000
Dimethyl Phthalate	1.112	1.009	0.928	0.870	0.865	0.830	AVRG		0.93543911		11.408	15.000
2,6-Dinitrotoluene	0.242	0.259	0.242	0.242	0.235	0.231	AVRG		0.24192307		3.914	15.000
Acenaphthylene	1.604	1.496	1.372	1.318	1.277	1.226	AVRG		1.38197556		10.323	15.000
3-Nitroaniline	0.243	0.243	0.235	0.238	0.234	0.231	AVRG		0.23753249		2.094	15.000
Acenaphthene	1.008	0.952	0.891	0.841	0.816	0.763	AVRG		0.87840341		10.314	30.000
2,4-Dinitrophenol	13671	56062	118180	199840	323260	440840	LINR	0.12606266	5.98249675		0.99610	0.99000
Dibenzofuran	1.374	1.330	1.250	1.211	1.149	1.099	AVRG		1.23553392		8.473	15.000
4-Nitrophenol	0.139	0.146	0.163	0.179	0.142	0.169	AVRG		0.15620848		10.443	15.000
2,4-Dinitrotoluene	0.324	0.313	0.289	0.284	0.262	0.249	AVRG		0.28674032		10.041	15.000
Diethylphthalate	1.197	1.161	1.098	1.022	0.907	0.829	AVRG		1.03558848		13.979	15.000
Fluorene	1.150	1.105	1.033	0.996	0.933	0.883	AVRG		1.01667441		9.957	15.000
4-Chlorophenyl-phenylethe	0.562	0.548	0.500	0.477	0.436	0.400	AVRG		0.48724334		12.946	15.000
4-Nitroaniline	0.187	0.196	0.197	0.216	0.214	0.206	AVRG		0.20266708		5.691	15.000
4,6-Dinitro-2-Methylpheno	27450	83151	157720	241990	370760	486750	LINR	8.275e-002	7.47467331		0.99841	0.99000
N-Nitrosodiphenylamine	0.524	0.547	0.521	0.531	0.496	0.473	AVRG		0.51535844		5.128	30.000
4-Bromophenyl-phenylether	0.198	0.194	0.192	0.188	0.179	0.180	AVRG		0.18833283		3.973	15.000

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803 RF25: U5804 RF50: U5802
RF75: U5805 RF100: U5806 RF125: U5807

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Hexachlorobenzene	0.228	0.229	0.229	0.232	0.225	0.228	AVRG		0.22849444		0.964	15.000
Pentachlorophenol	0.097	0.118	0.133	0.141	0.131	0.138	AVRG		0.12647509		12.896	30.000
Phenanthrene	0.938	0.932	0.906	0.921	0.882	0.873	AVRG		0.90856517		2.942	15.000
Anthracene	0.965	0.938	0.935	0.939	0.887	0.879	AVRG		0.92398985		3.619	15.000
Carbazole	0.683	0.694	0.687	0.706	0.694	0.680	AVRG		0.69085733		1.367	15.000
Di-n-butylphthalate	1.122	1.100	1.083	1.044	0.982	0.985	AVRG		1.05266193		5.650	15.000
Fluorantbene	0.867	0.838	0.828	0.795	0.765	0.760	AVRG		0.80892188		5.264	30.000
Pyrene	1.400	1.205	1.297	1.276	1.074	1.138	AVRG		1.23184869		9.536	15.000
Butylbenzylphthalate	0.622	0.549	0.593	0.558	0.502	0.502	AVRG		0.55427390		8.688	15.000
Benzo(a)anthracene	0.983	0.898	0.898	0.863	0.827	0.804	AVRG		0.87874544		7.223	15.000
3,3'-Dichlorobenzidine	0.204	0.218	0.206	0.205	0.199	0.194	AVRG		0.20459664		3.921	15.000
Chrysene	0.928	0.836	0.810	0.791	0.739	0.715	AVRG		0.80329012		9.464	15.000
bis(2-Ethylhexyl)phthalat	0.858	0.762	0.831	0.770	0.691	0.693	AVRG		0.76758484		8.954	15.000
Di-n-octylphthalate	1.793	1.790	2.222	2.090	2.067	1.992	AVRG		1.99241192		8.651	30.000
Benzo(b)fluoranthene	0.873	0.950	0.994	0.962	0.981	0.955	AVRG		0.95269094		4.461	15.000
Benzo(k)fluoranthene	1.252	1.165	1.169	1.174	1.094	1.070	AVRG		1.15386844		5.611	15.000
Benzo(a)pyrene	0.811	0.829	0.828	0.823	0.836	0.804	AVRG		0.82178218		1.464	30.000
Indeno(1,2,3-cd)pyrene	0.350	0.341	0.404	0.412	0.414	0.419	AVRG		0.39011335		8.910	15.000
Dibenzo(a,h)anthracene	0.428	0.385	0.410	0.470	0.441	0.458	AVRG		0.43208531		7.237	15.000
Benzo(g,h,i)perylene	0.502	0.443	0.457	0.495	0.448	0.435	AVRG		0.46331695		6.075	15.000
2-Fluorophenol	1.098	1.122	1.083	1.084	1.008	0.989	AVRG		1.06405883		4.989	15.000
Phenol-D6	1.256	1.279	1.250	1.268	1.155	1.175	AVRG		1.23050938		4.229	15.000
Nitrobenzene-D5	0.292	0.290	0.275	0.285	0.270	0.267	AVRG		0.28005441		3.764	15.000
2-Fluorobiphenyl	1.120	1.087	1.014	1.004	0.940	0.875	AVRG		1.00685101		9.018	15.000
2,4,6-Tribromophenol	0.189	0.189	0.191	0.190	0.182	0.176	AVRG		0.18610377		3.323	15.000
Terphenyl-D14	0.900	0.772	0.851	0.817	0.697	0.750	AVRG		0.79793268		9.195	15.000

FORM VI SV

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Lab Smp Id: SSTD050U0523
Inj Date : 23-MAY-2011 12:00 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD050U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 20-MAY-2011 19:32 Cal File: U5781.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 1,4-Dioxane	58	3.327	3.327	(0.380)	145680	50.0000	49.7	
2 N-Nitrosodimethylamine	42	3.907	3.928	(0.446)	237182	50.0000	52.8	
3 Pyridine	79	3.865	3.855	(0.441)	458576	50.0000	46.8(a)	
4 Ethyl Methacrylate	69	4.611	4.621	(0.526)	357000	50.0000	51.2	
5 2-Picoline	93	5.118	5.108	(0.584)	496497	50.0000	49.3	
6 N-Nitrosomethylethylamine	88	5.449	5.449	(0.622)	198366	50.0000	49.1	
7 Methyl Methanesulfonate	80	6.080	6.101	(0.694)	280480	50.0000	51.4	
$ 8 2-Fluorophenol	112	6.318	6.339	(0.721)	443258	50.0000	50.9	
9 N-Nitrosodiethylamine	102	6.763	6.784	(0.772)	202809	50.0000	49.7	
10 Ethyl Methanesulfonate	79	7.447	7.478	(0.850)	319213	50.0000	49.6	
11 Benzaldehyde	77	7.892	7.892	(0.901)	98101	50.0000	52.5	
12 Aniline	93	8.212	8.233	(0.937)	643926	50.0000	50.2	
13 Pentachloroethane	117	8.140	8.151	(0.929)	175506	50.0000	51.5	
14 Bis(2-Chloroethyl)ether	93	8.368	8.399	(0.955)	406662	50.0000	51.6	
$ 15 Phenol-D6	99	8.254	8.285	(0.942)	511317	50.0000	50.8	
16 Phenol	94	8.285	8.316	(0.946)	515331	50.0000	51.2	
17 2-Chlorophenol	128	8.409	8.430	(0.960)	451154	50.0000	50.8	
18 1,3-Dichlorobenzene	146	8.678	8.689	(0.991)	520235	50.0000	51.4	
* 19 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	327345	40.0000		
20 1,4-Dichlorobenzene	146	8.802	8.813	(1.005)	511001	50.0000	50.9	
21 1,2-Dichlorobenzene	146	9.196	9.206	(1.050)	470275	50.0000	50.8	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.196	9.237	(1.050)	239099	50.0000	49.4	
	23 2,2'-Oxybis(1-chloropropane)	45	9.527	9.537	(1.087)	504118	50.0000	49.6	
	24 Bis(2-Chloroisopropyl)ether	45	9.527	9.537	(1.087)	504118	50.0000	49.4	
	25 2-Methylphenol	108	9.537	9.569	(1.089)	379705	50.0000	49.6(M)	M9
	26 Acetophenone	105	9.755	9.776	(0.840)	578336	50.0000	50.3	
	27 N-Nitrosopyrrolidine	100	9.817	9.900	(1.120)	221478	50.0000	54.6(Q)	
	28 o-Toluidine	106	9.858	9.879	(1.125)	557239	50.0000	50.6(Q)	
	29 N-Nitroso-di-n-propylamine	70	9.868	9.931	(1.126)	265823	50.0000	51.2(Q)	
	30 Hexachloroethane	117	9.837	9.848	(1.123)	191825	50.0000	50.7	
	31 N-Nitrosomorpholine	56	9.848	9.910	(1.124)	228238	50.0000	50.2	
	32 3&4-Methylphenol	108	9.889	9.941	(1.129)	419948	50.0000	51.6(Q)	
$	33 Nitrobenzene-D5	82	10.075	10.107	(0.868)	433954	50.0000	49.1	
	34 Nitrobenzene	77	10.117	10.148	(0.872)	427135	50.0000	50.0	
	35 N-Nitrosopiperidine	114	10.469	10.521	(0.902)	233934	50.0000	49.8	
	36 Isophorone	82	10.645	10.686	(0.917)	791229	50.0000	51.9	
	37 2-Nitrophenol	139	10.831	10.852	(0.933)	268324	50.0000	50.4	
	38 2,4-Dimethylphenol	107	11.038	11.080	(0.951)	421640	50.0000	50.6	
	39 O,O,O-Triethylphosphorothioat	198	11.276	11.318	(0.971)	212809	50.0000	50.7	
	40 Bis(2-Chloroethoxy)methane	93	11.245	11.266	(0.969)	530567	50.0000	52.4	
	41 2,4-Dichlorophenol	162	11.380	11.421	(0.980)	381752	50.0000	50.8	
	42 1,2,4-Trichlorobenzene	180	11.535	11.545	(0.994)	454871	50.0000	50.6	
*	43 Naphthalene-D8	136	11.607	11.618	(1.000)	1261487	40.0000		
	44 Benzoic acid	122	11.411	11.597	(0.983)	174188	50.0000	46.2(QM)	M9
	45 Naphthalene	128	11.649	11.670	(1.004)	1193710	50.0000	50.6	
	46 Hexachloropropene	213	11.938	11.949	(1.029)	288996	50.0000	53.6	
	47 4-Chloroaniline	127	11.918	11.949	(1.027)	478290	50.0000	49.4	
	48 2,6-Dichlorophenol	162	11.907	11.928	(1.026)	352249	50.0000	50.8	
	49 Hexachlorobutadiene	225	12.114	12.125	(1.044)	269746	50.0000	51.6	
	50 A,A-Dimethylphenethylamine	58	11.887	11.897	(1.024)	886685	50.0000	51.6(M)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.798	12.829	(1.103)	339999	50.0000	56.8	
	52 p-Phenylenediamine	108	12.808	12.860	(1.103)	315214	50.0000	51.6	
	53 Caprolactam	113	12.798	12.963	(1.103)	137111	50.0000	48.9	
	54 Isosafrole	162	13.170	13.191	(1.135)	325121	50.0000	50.5	
	55 2-Methylnaphthalene	142	13.274	13.295	(1.144)	880899	50.0000	51.3	
	56 4-Chloro-3-Methylphenol	107	13.160	13.212	(1.134)	356054	50.0000	51.7	
	57 1-Methylnaphthalene	142	13.522	13.543	(1.165)	850188	50.0000	51.0	
	58 Hexachlorocyclopentadiene	237	13.822	13.833	(0.877)	300394	50.0000	51.8	
	59 1,2,4,5-Tetrachlorobenzene	216	13.770	13.791	(0.874)	414918	50.0000	50.2	
	60 Safrole	104	13.853	13.864	(0.879)	32753	50.0000	50.4	
	61 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	278103	50.0000	50.3	
$	62 2-Fluorobiphenyl	172	14.247	14.267	(0.904)	872580	50.0000	50.3	
	63 2,4,5-Trichlorophenol	196	14.184	14.205	(0.900)	300605	50.0000	49.4	
	64 2-Chloronaphthalene	162	14.402	14.412	(0.914)	1145590	50.0000	50.6	
	65 Diethyl Adipate	111	14.391	14.412	(0.913)	248065	50.0000	49.0	
	66 1,1'-Biphenyl	154	14.433	14.464	(0.916)	995469	50.0000	51.2	
	67 1-Chloronaphthalene	162	14.474	14.506	(0.919)	742190	50.0000	50.2	
	68 Diphenylether	170	14.712	14.733	(0.934)	538223	50.0000	50.0	
	69 2-Nitroaniline	65	14.837	14.868	(0.942)	218596	50.0000	49.8	
	70 1,4-Naphthoquinone	158	14.878	14.909	(0.944)	251531	50.0000	52.9	
	71 1,4-Dinitrobenzene	75	15.116	15.158	(0.959)	155365	50.0000	51.4	
	72 Dimethyl Phthalate	163	15.385	15.437	(0.976)	798427	50.0000	49.6	
	73 1,3-Dinitrobenzene	168	15.395	15.447	(0.977)	129470	50.0000	49.6	
	74 Acenaphthylene	152	15.385	15.406	(0.976)	1180594	50.0000	49.6	
	75 2,6-Dinitrotoluene	165	15.520	15.561	(0.985)	208334	50.0000	50.0	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.675	15.717	(0.995)	121401	50.0000	50.5	
* 77 Acenaphthene-D10	164	15.758	15.779	(1.000)	688599	40.0000		
78 Acenaphthene	153	15.830	15.861	(1.005)	767242	50.0000	50.7	
79 3-Nitroaniline	138	15.830	15.882	(1.005)	202258	50.0000	49.5	
80 2,4-Dinitrophenol	184	16.079	16.141	(1.020)	118183	50.0000	46.1	
81 Pentachlorobenzene	250	16.275	16.306	(1.033)	397205	50.0000	51.8	
82 Dibenzofuran	168	16.213	16.234	(1.029)	1076206	50.0000	50.6	
83 2,4-Dinitrotoluene	165	16.441	16.493	(1.043)	248699	50.0000	50.4	
84 1-Naphthylamine	143	16.451	16.493	(1.044)	801643	50.0000	50.6	
85 2,3,5,6-Tetrachlorophenol	232	16.565	16.596	(1.051)	248183	50.0000	51.2	
86 2,3,4,6-Tetrachlorophenol	232	16.669	16.710	(1.058)	238531	50.0000	53.5	
87 2-Naphthylamine	143	16.637	16.689	(1.056)	769897	50.0000	49.6	
88 4-Nitrophenol	139	16.368	16.420	(1.039)	140144	50.0000	52.1(Q)	
89 Diethylphthalate	149	17.072	17.103	(1.083)	944703	50.0000	53.0	
90 Fluorene	166	17.020	17.052	(1.080)	889485	50.0000	50.8	
91 4-Chlorophenyl-phenylether	204	17.103	17.124	(1.085)	430203	50.0000	51.3	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.269	17.290	(1.096)	162256	50.0000	51.2	
93 5-Nitro-O-Toluidine	152	17.248	17.310	(1.095)	239591	50.0000	51.5	
94 4-Nitroaniline	138	17.310	17.383	(1.099)	169316	50.0000	48.5	
95 4,6-Dinitro-2-Methylphenol	198	17.372	17.445	(0.904)	157721	50.0000	47.5(Q)	
96 N-Nitrosodiphenylamine	169	17.434	17.476	(0.907)	694392	50.0000	50.5	
97 N-Nitrosodiphenylamine/DPA	169	17.434	17.476	(0.907)	694392	50.0000	50.5	
98 1,2-Diphenylhydrazine	77	17.455	17.497	(0.908)	965658	50.0000	51.4	
99 Azobenzene	77	17.455	17.497	(0.908)	965658	50.0000	51.4	
$ 100 2,4,6-Tribromophenol	330	17.672	17.704	(1.122)	164228	50.0000	51.3	
101 Sulfotepp	97	18.128	18.159	(0.943)	156150	50.0000	51.8	
102 Diallate	86	18.221	18.232	(0.948)	265207	50.0000	51.0	
103 Phorate	75	18.242	18.273	(0.949)	476718	50.0000	48.3	
104 4-Bromophenyl-phenylether	248	18.242	18.252	(0.949)	255447	50.0000	50.8	
105 Hexachlorobenzene	284	18.521	18.552	(0.963)	305508	50.0000	50.1	
106 1,3,5-Trinitrobenzene	213	18.293	18.376	(0.952)	72053	50.0000	51.2	
107 Phenacetin	108	18.376	18.449	(0.956)	363119	50.0000	50.2	
108 Dimethoate	87	18.687	18.749	(0.972)	225424	50.0000	47.7	
109 Pentachloronitrobenzene	237	19.184	19.225	(0.998)	130890	50.0000	52.6	
110 Atrazine	200	18.863	18.904	(0.981)	194188	50.0000	52.8	
111 Pentachlorophenol	266	18.997	19.039	(0.988)	177553	50.0000	52.6	
112 4-Aminobiphenyl	169	18.904	18.946	(0.983)	730730	50.0000	50.3	
113 Pronamide	173	19.225	19.256	(1.000)	341460	50.0000	49.8	
* 114 Phenanthrene-D10	188	19.225	19.246	(1.000)	1066957	40.0000		
115 Phenanthrene	178	19.277	19.308	(1.003)	1207984	50.0000	49.8	
116 Dinoseb	211	19.525	19.535	(1.016)	228970	50.0000	52.8	
117 Anthracene	178	19.380	19.412	(1.008)	1247280	50.0000	50.6	
118 Disulfoton	88	19.473	19.494	(1.013)	403268	50.0000	50.2	
119 Carbazole	167	19.846	19.877	(1.032)	916528	50.0000	49.7	
120 Methyl Parathion	109	20.364	20.384	(1.059)	219964	50.0000	52.6	
121 Di-n-butylphthalate	149	20.953	20.964	(1.090)	1444245	50.0000	51.4	
122 4-Nitroquinoline-1-Oxide	190	21.254	21.285	(1.106)	57460	50.0000	47.4	
123 Ethyl Parathion	291	21.336	21.357	(1.110)	97192	50.0000	50.7	
124 Methapyrilene	97	21.564	21.585	(1.122)	187284	50.0000	48.6	
125 Isodrin	193	21.771	21.792	(1.132)	158488	50.0000	50.8	
126 Fluoranthene	202	22.102	22.123	(1.150)	1104171	50.0000	51.2	
127 Benzidine	184	22.558	22.579	(0.884)	195294	50.0000	49.0(a)	
128 Pyrene	202	22.609	22.630	(0.886)	1084904	50.0000	52.6	
$ 129 Terphenyl-D14	244	23.127	23.148	(0.906)	712308	50.0000	53.4	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.427	23.438	(0.918)	77916	50.0000	55.9	
131 p-Dimethylaminoazobenzene	225	23.531	23.541	(0.922)	209708	50.0000	52.9	
132 Chlorobenzilate	251	23.696	23.717	(0.928)	327876	50.0000	53.8	
133 Famphur	218	24.348	24.359	(0.954)	53771	50.0000	51.2	
134 3,3'-Dimethylbenzidine	212	24.338	24.349	(0.953)	212773	50.0000	50.7	
135 Butylbenzylphthalate	149	24.483	24.493	(0.959)	496331	50.0000	53.5	
136 Bis(2-ethylhexyl)adipate	129	24.721	24.742	(0.968)	456731	50.0000	54.6	
137 2-Acetylaminofluorene	181	24.959	24.980	(0.978)	204469	50.0000	50.4	
138 Benzo(a)anthracene	228	25.487	25.508	(0.998)	751067	50.0000	51.1	
* 139 Chrysene-D12	240	25.528	25.539	(1.000)	669261	40.0000		
140 3,3'-Dichlorobenzidine	252	25.580	25.601	(1.002)	172548	50.0000	50.4	
141 Chrysene	228	25.590	25.611	(1.002)	678121	50.0000	50.4	
143 bis(2-Ethylhexyl)phthalate	149	25.953	25.963	(1.017)	695203	50.0000	54.1	
145 Di-n-octylphthalate	149	27.329	27.340	(0.953)	951003	50.0000	55.8	
146 7,12-Dimethylbenz(A)Anthracen	256	27.971	27.981	(0.975)	245248	50.0000	53.2	
147 Benzo(b)fluoranthene	252	27.909	27.919	(0.973)	425552	50.0000	52.2	
148 Benzo(k)fluoranthene	252	27.950	27.971	(0.974)	500135	50.0000	50.6	
149 Benzo(a)pyrene	252	28.550	28.571	(0.995)	354315	50.0000	50.4	
* 150 Perylene-D12	264	28.685	28.685	(1.000)	342377	40.0000		
151 3-Methylcholanthrene	268	29.337	29.348	(1.023)	165958	50.0000	51.0	
152 Dibenz(a,j)acridine	279	30.569	30.579	(1.066)	146741	50.0000	51.7	
153 Indeno(1,2,3-cd)pyrene	276	30.952	30.962	(1.079)	172845	50.0000	51.8	
154 Dibenzo(a,h)anthracene	278	31.024	31.035	(1.082)	175519	50.0000	47.4	
155 Benzo(g,h,i)perylene	276	31.593	31.604	(1.101)	195593	50.0000	49.3	
M 156 Total PAHs	100				12809416	850.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5802.D
Lab Smp Id: SSTD050U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

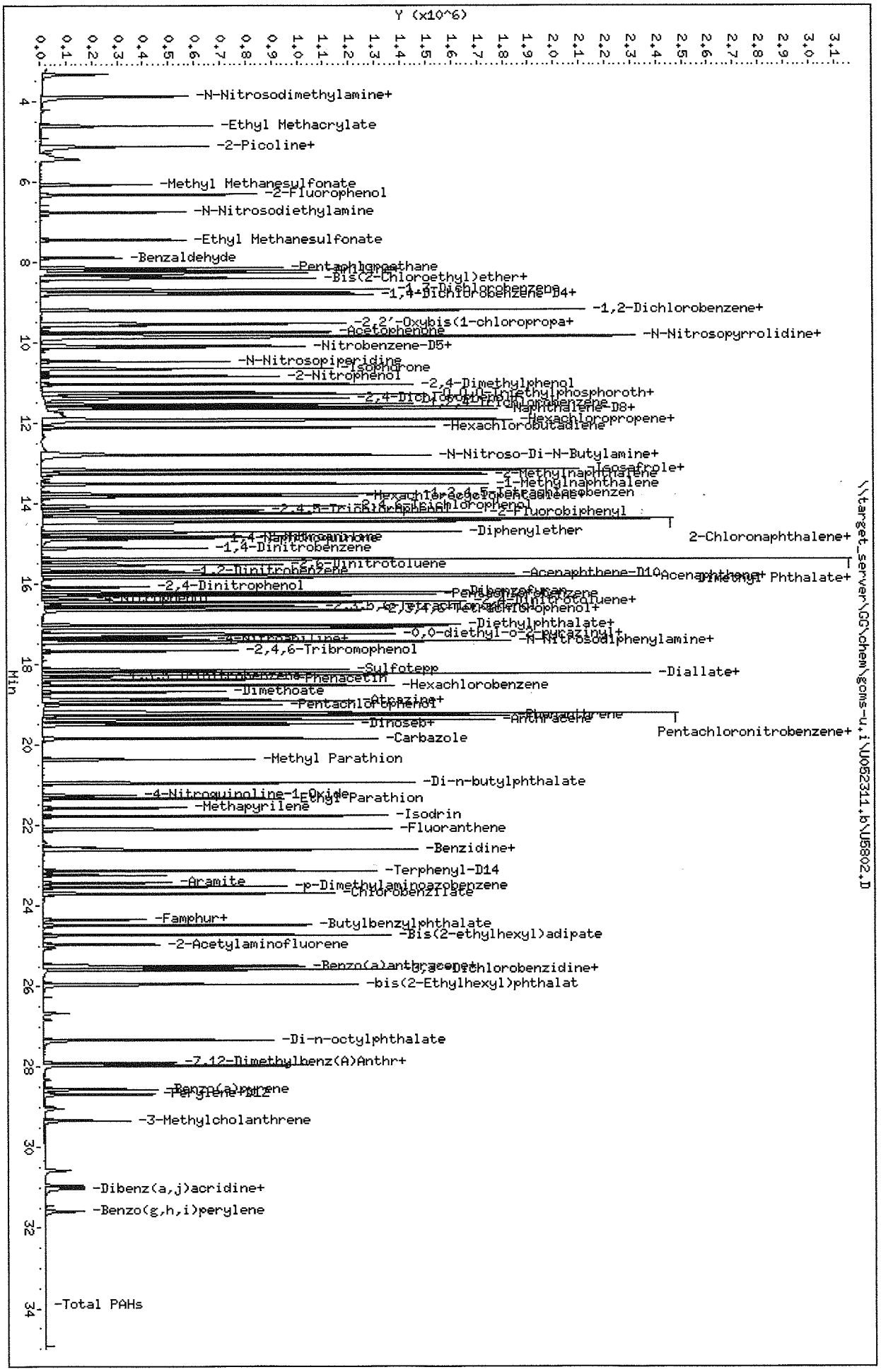
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	327345	0.00
43 Naphthalene-D8	1261487	630744	2522974	1261487	0.00
77 Acenaphthene-D10	688599	344300	1377198	688599	0.00
114 Phenanthrene-D10	1066957	533479	2133914	1066957	0.00
139 Chrysene-D12	669261	334631	1338522	669261	0.00
150 Perylene-D12	342377	171189	684754	342377	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
43 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
77 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
114 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
139 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
150 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5802.D
Date : 23-MAY-2011 12:00
Client ID:
Sample Info: SSTD050U0523
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone
-N-Nitrosopyrrolidine+
-Nitrobenzene-D5+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorobenzene
-Naphthalene-D8+
-Hexachloropropene+
-Hexachlorobutadiene
-N-Nitroso-Di-N-Butylamine+
-2-Methylnaphthalene
-Isosafrole+
-1-Methylnaphthalene
-Hexachlorocyclopentadiene
-2,4,5-Trichlorophenol
-2-Fluorobiphenyl
-Diphenylether
2-Chloronaphthalene+
-1,4-Naphthoquinone
-1,4-Dinitrobenzene
-2,6-Dinitrotoluene
-1,2-Dinitrobenzene
-Acenaphthene-D10
Acenaphthene+
Dimethyl Phthalate+
-2,4-Dinitrophenol
-Dibenzofuran
-4-Nitrophenol
-2,4-Dinitrotoluene+
-2,3,5,6-Tetrachlorophenol+
-Diethylphthalate+
-4-Nitroaniline+
-O,O-diethyl-o-2-pyrazinyl+
-N-Nitrosodiphenylamine+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-2,4,6-Trichlorobenzene-Phenacetin
-Hexachlorobenzene
-Dimethoate
-Atrazine+
-Pentachlorophenol
-Phenanthrene
-Anthracene
-Dinoseb+
Pentachloronitrobenzene+
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-Benzo(a)anthracene
-3,3'-Dichlorobenzidine+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine+
-Benzo(g,h,i)perylene
-Total PAHs
\\target_server\GC\chem\gcms-u.i\U052311.b\U5802.D

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Lab Smp Id: SSTD010U0523
Inj Date : 23-MAY-2011 12:46 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD010U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 12:46 Cal File: U5803.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.337	3.327	(0.381)	33007	10.0000	10.1	
	2 N-Nitrosodimethylamine	42	3.906	3.928	(0.446)	52191	10.0000	10.4	
	3 Pyridine	79	3.885	3.855	(0.444)	109586	10.0000	10.1(a)	
	4 Ethyl Methacrylate	69	4.610	4.621	(0.526)	81165	10.0000	10.5	
	5 2-Picoline	93	5.138	5.108	(0.587)	106568	10.0000	9.52(a)	
	6 N-Nitrosomethylethylamine	88	5.459	5.449	(0.623)	44300	10.0000	9.86(aM)	M9
	7 Methyl Methanesulfonate	80	6.069	6.101	(0.693)	60999	10.0000	10.0	
$	8 2-Fluorophenol	112	6.318	6.339	(0.721)	99971	10.0000	10.3	
	9 N-Nitrosodiethylamine	102	6.763	6.784	(0.772)	45252	10.0000	9.98(a)	
	10 Ethyl Methanesulfonate	79	7.435	7.478	(0.849)	71762	10.0000	10.0	
	11 Benzaldehyde	77	7.891	7.892	(0.901)	25202	10.0000	9.31(a)	
	12 Aniline	93	8.201	8.233	(0.936)	147595	10.0000	10.3(a)	
	13 Pentachloroethane	117	8.150	8.151	(0.930)	39313	10.0000	10.4	
	14 Bis(2-Chloroethyl)ether	93	8.367	8.399	(0.955)	93631	10.0000	10.7	
$	15 Phenol-D6	99	8.243	8.285	(0.941)	114337	10.0000	10.2	
	16 Phenol	94	8.263	8.316	(0.943)	116047	10.0000	10.4	
	17 2-Chlorophenol	128	8.408	8.430	(0.960)	103998	10.0000	10.5	
	18 1,3-Dichlorobenzene	146	8.677	8.689	(0.991)	121843	10.0000	10.8	
*	19 1,4-Dichlorobenzene-D4	152	8.760	8.772	(1.000)	364054	40.0000		
	20 1,4-Dichlorobenzene	146	8.791	8.813	(1.004)	123682	10.0000	11.1	
	21 1,2-Dichlorobenzene	146	9.195	9.206	(1.050)	115466	10.0000	11.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.185	9.237	(1.048)	54661	10.0000	10.2(a)	
	23 2,2'-Oxybis(1-chloropropane)	45	9.526	9.537	(1.087)	123123	10.0000	10.9	
	24 Bis(2-Chloroisopropyl)ether	45	9.526	9.537	(1.087)	123579	10.0000	10.9	
	25 2-Methylphenol	108	9.526	9.569	(1.087)	85453	10.0000	10.0	
	26 Acetophenone	105	9.744	9.776	(0.840)	129365	10.0000	10.5	
	27 N-Nitrosopyrrolidine	100	9.764	9.900	(1.115)	47240	10.0000	10.5	
	28 o-Toluidine	106	9.837	9.879	(1.123)	140848	10.0000	11.5(a)	
	29 N-Nitroso-di-n-propylamine	70	9.837	9.931	(1.123)	65701	10.0000	11.4	
	30 Hexachloroethane	117	9.837	9.848	(1.123)	48419	10.0000	11.5	
	31 N-Nitrosomorpholine	56	9.816	9.910	(1.121)	59314	10.0000	11.7	
	32 3&4-Methylphenol	108	9.868	9.941	(1.126)	97355	10.0000	10.8(Q)	
$	33 Nitrobenzene-D5	82	10.064	10.107	(0.868)	98565	10.0000	10.4	
	34 Nitrobenzene	77	10.095	10.148	(0.871)	98772	10.0000	10.8	
	35 N-Nitrosopiperidine	114	10.458	10.521	(0.902)	51945	10.0000	10.3	
	36 Isophorone	82	10.634	10.686	(0.917)	178120	10.0000	10.9	
	37 2-Nitrophenol	139	10.830	10.852	(0.934)	58848	10.0000	10.3	
	38 2,4-Dimethylphenol	107	11.017	11.080	(0.950)	96078	10.0000	10.8	
	39 O,O,O-Triethylphosphorothioat	198	11.265	11.318	(0.971)	48466	10.0000	10.8	
	40 Bis(2-Chloroethoxy)methane	93	11.224	11.266	(0.968)	113182	10.0000	10.4(H)	
	41 2,4-Dichlorophenol	162	11.379	11.421	(0.981)	86379	10.0000	10.7	
	42 1,2,4-Trichlorobenzene	180	11.524	11.545	(0.994)	108111	10.0000	11.2	
*	43 Naphthalene-D8	136	11.596	11.618	(1.000)	1352058	40.0000		
	44 Benzoic acid	122	11.327	11.597	(0.977)	36046	10.0000	8.92(aQM)	M9
	45 Naphthalene	128	11.638	11.670	(1.004)	284537	10.0000	11.2	
	46 Hexachloropropene	213	11.938	11.949	(1.029)	61409	10.0000	10.6	
	47 4-Chloroaniline	127	11.907	11.949	(1.027)	117739	10.0000	9.29(a)	
	48 2,6-Dichlorophenol	162	11.896	11.928	(1.026)	82578	10.0000	11.1	
	49 Hexachlorobutadiene	225	12.114	12.125	(1.045)	61255	10.0000	10.9	
	50 A,A-Dimethylphenethylamine	58	11.627	11.897	(1.003)	153244	10.0000	8.32(TaM)	M6
	51 N-Nitroso-Di-N-Butylamine	84	12.776	12.829	(1.102)	64637	10.0000	10.1	
	52 p-Phenylenediamine	108	12.766	12.860	(1.101)	71837	10.0000	11.0	
	53 Caprolactam	113	12.673	12.963	(1.093)	30217	10.0000	10.0(Q)	
	54 Isosafrole	162	13.159	13.191	(1.135)	78315	10.0000	11.4	
	55 2-Methylnaphthalene	142	13.263	13.295	(1.144)	207908	10.0000	11.3	
	56 4-Chloro-3-Methylphenol	107	13.149	13.212	(1.134)	79354	10.0000	10.8	
	57 1-Methylnaphthalene	142	13.511	13.543	(1.165)	200280	10.0000	11.2	
	58 Hexachlorocyclopentadiene	237	13.821	13.833	(0.877)	59226	10.0000	9.43(a)	
	59 1,2,4,5-Tetrachlorobenzene	216	13.759	13.791	(0.873)	97160	10.0000	10.9	
	60 Safrole	104	13.853	13.864	(0.879)	6854	10.0000	9.73(aM)	M6
	61 2,4,6-Trichlorophenol	196	14.060	14.102	(0.892)	61854	10.0000	10.3	
$	62 2-Fluorobiphenyl	172	14.225	14.267	(0.903)	208912	10.0000	11.1	
	63 2,4,5-Trichlorophenol	196	14.153	14.205	(0.898)	62494	10.0000	9.48(a)	
	64 2-Chloronaphthalene	162	14.391	14.412	(0.913)	287216	10.0000	11.7	
	65 Diethyl Adipate	111	14.370	14.412	(0.912)	62942	10.0000	9.31(a)	
	66 1,1'-Biphenyl	154	14.411	14.464	(0.915)	242596	10.0000	11.5	
	67 1-Chloronaphthalene	162	14.463	14.506	(0.918)	174001	10.0000	10.9	
	68 Diphenylether	170	14.701	14.733	(0.933)	127993	10.0000	11.0	
	69 2-Nitroaniline	65	14.815	14.868	(0.940)	46552	10.0000	9.79(a)	
	70 1,4-Naphthoquinone	158	14.867	14.909	(0.944)	69085	10.0000	13.4	
	71 1,4-Dinitrobenzene	75	15.095	15.158	(0.958)	31622	10.0000	9.65(a)	
	72 Dimethyl Phthalate	163	15.364	15.437	(0.975)	207265	10.0000	11.9(M)	M6
	73 1,3-Dinitrobenzene	168	15.374	15.447	(0.976)	29883	10.0000	10.6	
	74 Acenaphthylene	152	15.374	15.406	(0.976)	298976	10.0000	11.6	
	75 2,6-Dinitrotoluene	165	15.509	15.561	(0.984)	45192	10.0000	10.0	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.653	15.717	(0.993)	27015	10.0000	10.4	
* 77 Acenaphthene-D10	164	15.757	15.779	(1.000)	745764	40.0000		
78 Acenaphthene	153	15.819	15.861	(1.004)	187845	10.0000	11.5	
79 3-Nitroaniline	138	15.809	15.882	(1.003)	45392	10.0000	10.2(a)	
80 2,4-Dinitrophenol	184	16.057	16.141	(1.019)	13671	10.0000	9.43(a)	
81 Pentachlorobenzene	250	16.264	16.306	(1.032)	91382	10.0000	11.0	
82 Dibenzofuran	168	16.202	16.234	(1.028)	256092	10.0000	11.1	
83 2,4-Dinitrotoluene	165	16.409	16.493	(1.041)	60392	10.0000	11.3	
84 1-Naphthylamine	143	16.430	16.493	(1.043)	196044	10.0000	11.4	
85 2,3,5,6-Tetrachlorophenol	232	16.554	16.596	(1.051)	48216	10.0000	9.19(a)	
86 2,3,4,6-Tetrachlorophenol	232	16.657	16.710	(1.057)	48661	10.0000	10.1	
87 2-Naphthylamine	143	16.616	16.689	(1.055)	172805	10.0000	10.3	
88 4-Nitrophenol	139	16.368	16.420	(1.039)	25842	10.0000	8.87(a)	
89 Diethylphthalate	149	17.051	17.103	(1.082)	223137	10.0000	11.6	
90 Fluorene	166	17.009	17.052	(1.079)	214451	10.0000	11.3	
91 4-Chlorophenyl-phenylether	204	17.092	17.124	(1.085)	104842	10.0000	11.5	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.237	17.290	(1.094)	39082	10.0000	11.4(a)	
93 5-Nitro-O-Toluidine	152	17.216	17.310	(1.093)	53369	10.0000	10.6	
94 4-Nitroaniline	138	17.268	17.383	(1.096)	34816	10.0000	9.21(a)	
95 4,6-Dinitro-2-Methylphenol	198	17.341	17.445	(0.903)	27450	10.0000	9.61(a)	
96 N-Nitrosodiphenylamine	169	17.413	17.476	(0.906)	170770	10.0000	10.2	
97 N-Nitrosodiphenylamine/DPA	169	17.413	17.476	(0.906)	170770	10.0000	10.2	
98 1,2-Diphenylhydrazine	77	17.444	17.497	(0.908)	230628	10.0000	10.0(a)	
99 Azobenzene	77	17.444	17.497	(0.908)	230628	10.0000	10.0(a)	
$ 100 2,4,6-Tribromophenol	330	17.651	17.704	(1.120)	35206	10.0000	10.1	
101 Sulfotepp	97	18.117	18.159	(0.943)	37320	10.0000	10.1	
102 Diallate	86	18.210	18.232	(0.948)	67979	10.0000	10.7	
103 Phorate	75	18.220	18.273	(0.948)	156309	10.0000	10.8	
104 4-Bromophenyl-phenylether	248	18.220	18.252	(0.948)	64440	10.0000	10.5	
105 Hexachlorobenzene	284	18.510	18.552	(0.963)	74160	10.0000	9.96(a)	
106 1,3,5-Trinitrobenzene	213	18.251	18.376	(0.950)	13922	10.0000	8.10(aQ)	
107 Phenacetin	108	18.324	18.449	(0.954)	79425	10.0000	8.99(a)	
108 Dimethoate	87	18.645	18.749	(0.970)	62448	10.0000	9.04(a)	
109 Pentachloronitrobenzene	237	19.162	19.225	(0.997)	30820	10.0000	10.1	
110 Atrazine	200	18.841	18.904	(0.981)	55714	10.0000	12.4	
111 Pentachlorophenol	266	18.986	19.039	(0.988)	31757	10.0000	7.71(a)	
112 4-Aminobiphenyl	169	18.883	18.946	(0.983)	175370	10.0000	9.88(a)	
113 Pronamide	173	19.193	19.256	(0.999)	88934	10.0000	10.6	
* 114 Phenanthrene-D10	188	19.214	19.246	(1.000)	1302969	40.0000		
115 Phenanthrene	178	19.255	19.308	(1.002)	305543	10.0000	10.3	
116 Dinoseb	211	19.504	19.535	(1.015)	40420	10.0000	7.64(a)	
117 Anthracene	178	19.359	19.412	(1.008)	314318	10.0000	10.4	
118 Disulfoton	88	19.462	19.494	(1.013)	101986	10.0000	10.4	
119 Carbazole	167	19.835	19.877	(1.032)	222534	10.0000	9.89(a)	
120 Methyl Parathion	109	20.352	20.384	(1.059)	56807	10.0000	11.1	
121 Di-n-butylphthalate	149	20.932	20.964	(1.089)	365524	10.0000	10.6	
122 4-Nitroquinoline-1-Oxide	190	21.232	21.285	(1.105)	7027	10.0000	8.50(a)	
123 Ethyl Parathion	291	21.325	21.357	(1.110)	21951	10.0000	9.38(a)	
124 Methapyrilene	97	21.553	21.585	(1.122)	57226	10.0000	7.99(a)	
125 Isodrin	193	21.770	21.792	(1.133)	39596	10.0000	10.4	
126 Fluoranthene	202	22.081	22.123	(1.149)	282378	10.0000	10.7	
127 Benzidine	184	22.557	22.579	(0.884)	26476	10.0000	8.08(a)	
128 Pyrene	202	22.598	22.630	(0.886)	277216	10.0000	11.4	
$ 129 Terphenyl-D14	244	23.126	23.148	(0.906)	178227	10.0000	11.3	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.426	23.438	(0.918)	16888	10.0000	10.2(a)	
131 p-Dimethylaminoazobenzene	225	23.520	23.541	(0.922)	49881	10.0000	10.6	
132 Chlorobenzilate	251	23.685	23.717	(0.928)	77076	10.0000	10.7	
133 Famphur	218	24.348	24.359	(0.954)	30279	10.0000	24.4(a)	
134 3,3'-Dimethylbenzidine	212	24.337	24.349	(0.954)	30726	10.0000	7.72(a)	
135 Butylbenzylphthalate	149	24.472	24.493	(0.959)	123042	10.0000	11.2	
136 Bis(2-ethylhexyl)adipate	129	24.720	24.742	(0.969)	107544	10.0000	10.9	
137 2-Acetylaminofluorene	181	24.938	24.980	(0.977)	41626	10.0000	8.67(a)	
138 Benzo(a)anthracene	228	25.476	25.508	(0.998)	194597	10.0000	11.2	
* 139 Chrysene-D12	240	25.517	25.539	(1.000)	791884	40.0000		
140 3,3'-Dichlorobenzidine	252	25.579	25.601	(1.002)	40492	10.0000	10.0	
141 Chrysene	228	25.579	25.611	(1.002)	183809	10.0000	11.6	
143 bis(2-Ethylhexyl)phthalate	149	25.941	25.963	(1.017)	169845	10.0000	11.2	
145 Di-n-octylphthalate	149	27.328	27.340	(0.953)	217793	10.0000	9.00(a)	
146 7,12-Dimethylbenz(A)Anthracen	256	27.960	27.981	(0.975)	65288	10.0000	9.99(a)	
147 Benzo(b)fluoranthene	252	27.898	27.919	(0.973)	105986	10.0000	9.16(a)	
148 Benzo(k)fluoranthene	252	27.949	27.971	(0.974)	152049	10.0000	10.8	
149 Benzo(a)pyrene	252	28.550	28.571	(0.995)	98542	10.0000	9.87(a)	
* 150 Perylene-D12	264	28.684	28.685	(1.000)	485795	40.0000		
151 3-Methylcholanthrene	268	29.326	29.348	(1.022)	44457	10.0000	9.63(a)	
152 Dibenz(a,j)acridine	279	30.558	30.579	(1.065)	31615	10.0000	7.86(a)	
153 Indeno(1,2,3-cd)pyrene	276	30.941	30.962	(1.079)	42550	10.0000	8.98(a)	
154 Dibenzo(a,h)anthracene	278	31.013	31.035	(1.081)	51931	10.0000	9.90(a)	
155 Benzo(g,h,i)perylene	276	31.582	31.604	(1.101)	60919	10.0000	10.8	
M 156 Total PAHs	100				3263555	170.000	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5803.D
Lab Smp Id: SSTD010U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

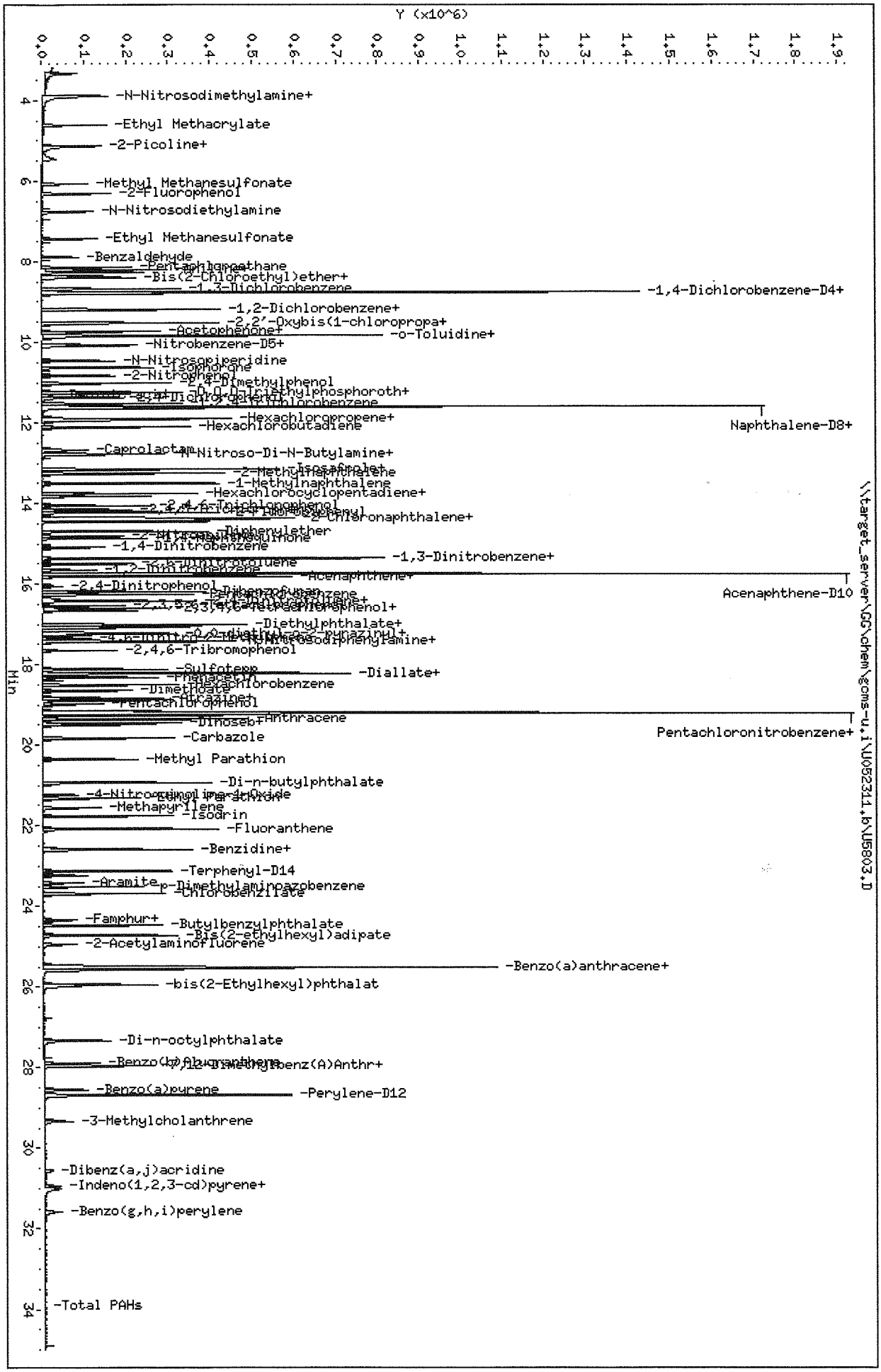
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	364054	11.21
43 Naphthalene-D8	1261487	630744	2522974	1352058	7.18
77 Acenaphthene-D10	688599	344300	1377198	745764	8.30
114 Phenanthrene-D10	1066957	533479	2133914	1302969	22.12
139 Chrysene-D12	669261	334631	1338522	791884	18.32
150 Perylene-D12	342377	171189	684754	485795	41.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.01
43 Naphthalene-D8	11.61	11.11	12.11	11.60	-0.10
77 Acenaphthene-D10	15.76	15.26	16.26	15.76	-0.00
114 Phenanthrene-D10	19.23	18.73	19.73	19.21	-0.06
139 Chrysene-D12	25.53	25.03	26.03	25.52	-0.04
150 Perylene-D12	28.69	28.19	29.19	28.68	-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-u.i\U052311.b\U5803.D
Date : 23-MAY-2011 12:46
Client ID:
Sample Info: SSTD010U0523
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Lab Smp Id: SSTD025U0523
Inj Date : 23-MAY-2011 13:30 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD025U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 13:30 Cal File: U5804.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.337	3.327	(0.381)	92871	25.0000	27.2	
	2 N-Nitrosodimethylamine	42	3.907	3.928	(0.446)	136867	25.0000	26.2	
	3 Pyridine	79	3.865	3.855	(0.441)	310749	25.0000	27.3(a)	
	4 Ethyl Methacrylate	69	4.611	4.621	(0.526)	215138	25.0000	26.5	
	5 2-Picoline	93	5.118	5.108	(0.584)	307851	25.0000	26.3	
	6 N-Nitrosomethylethylamine	88	5.449	5.449	(0.622)	118493	25.0000	25.2	
	7 Methyl Methanesulfonate	80	6.070	6.101	(0.693)	162966	25.0000	25.7	
$	8 2-Fluorophenol	112	6.318	6.339	(0.721)	266929	25.0000	26.4	
	9 N-Nitrosodiethylamine	102	6.763	6.784	(0.772)	123279	25.0000	26.0	
	10 Ethyl Methanesulfonate	79	7.436	7.478	(0.849)	192233	25.0000	25.7	
	11 Benzaldehyde	77	7.892	7.892	(0.901)	63543	25.0000	25.4	
	12 Aniline	93	8.202	8.233	(0.936)	393743	25.0000	26.4	
	13 Pentachloroethane	117	8.140	8.151	(0.929)	105843	25.0000	26.7	
	14 Bis(2-Chloroethyl)ether	93	8.368	8.399	(0.955)	247754	25.0000	27.0	
$	15 Phenol-D6	99	8.243	8.285	(0.941)	304232	25.0000	26.0	
	16 Phenol	94	8.274	8.316	(0.944)	314399	25.0000	26.8	
	17 2-Chlorophenol	128	8.409	8.430	(0.960)	272464	25.0000	26.4	
	18 1,3-Dichlorobenzene	146	8.678	8.689	(0.991)	316337	25.0000	26.9	
*	19 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	380718	40.0000		
	20 1,4-Dichlorobenzene	146	8.792	8.813	(1.004)	316680	25.0000	27.1	
	21 1,2-Dichlorobenzene	146	9.196	9.206	(1.050)	293670	25.0000	27.3	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.185	9.237	(1.048)	150832	25.0000	26.8	
	23 2,2'-Oxybis(1-chloropropane)	45	9.527	9.537	(1.087)	314752	25.0000	26.6	
	24 Bis(2-Chloroisopropyl)ether	45	9.527	9.537	(1.087)	316098	25.0000	26.6	
	25 2-Methylphenol	108	9.527	9.569	(1.087)	227277	25.0000	25.6	
	26 Acetophenone	105	9.744	9.776	(0.840)	343778	25.0000	26.4	
	27 N-Nitrosopyrrolidine	100	9.786	9.900	(1.117)	131258	25.0000	27.8	
	28 o-Toluidine	106	9.848	9.879	(1.124)	339468	25.0000	26.5	
	29 N-Nitroso-di-n-propylamine	70	9.848	9.931	(1.124)	160892	25.0000	26.6	
	30 Hexachloroethane	117	9.837	9.848	(1.123)	118206	25.0000	26.8	
	31 N-Nitrosomorpholine	56	9.827	9.910	(1.122)	149062	25.0000	28.2	
	32 3&4-Methylphenol	108	9.868	9.941	(1.126)	255476	25.0000	27.0	
$	33 Nitrobenzene-D5	82	10.065	10.107	(0.867)	259392	25.0000	25.9	
	34 Nitrobenzene	77	10.106	10.148	(0.871)	255437	25.0000	26.4	
	35 N-Nitrosopiperidine	114	10.458	10.521	(0.901)	135941	25.0000	25.6	
	36 Isophorone	82	10.634	10.686	(0.916)	468829	25.0000	27.2	
	37 2-Nitrophenol	139	10.831	10.852	(0.933)	153985	25.0000	25.6	
	38 2,4-Dimethylphenol	107	11.028	11.080	(0.950)	254339	25.0000	27.0	
	39 O,O,O-Triethylphosphorothioat	198	11.266	11.318	(0.971)	127642	25.0000	26.9	
	40 Bis(2-Chloroethoxy)methane	93	11.235	11.266	(0.968)	309660	25.0000	27.0(H)	
	41 2,4-Dichlorophenol	162	11.369	11.421	(0.979)	230433	25.0000	27.1	Jgreen
	42 1,2,4-Trichlorobenzene	180	11.535	11.545	(0.994)	278581	25.0000	27.4	
*	43 Naphthalene-D8	136	11.607	11.618	(1.000)	1428253	40.0000		
	44 Benzoic acid	122	11.328	11.597	(0.976)	90870	25.0000	21.3(aM)	M9
	45 Naphthalene	128	11.649	11.670	(1.004)	740228	25.0000	27.7	
	46 Hexachloropropene	213	11.938	11.949	(1.029)	171964	25.0000	28.2	
	47 4-Chloroaniline	127	11.918	11.949	(1.027)	299912	25.0000	23.9	
	48 2,6-Dichlorophenol	162	11.907	11.928	(1.026)	209743	25.0000	26.7	
	49 Hexachlorobutadiene	225	12.114	12.125	(1.044)	162676	25.0000	27.5	
	50 A,A-Dimethylphenethylamine	58	11.752	11.897	(1.012)	538256	25.0000	27.7(M)	M6
	51 N-Nitroso-Di-N-Butylamine	84	12.787	12.829	(1.102)	165459	25.0000	24.4	
	52 p-Phenylenediamine	108	12.777	12.860	(1.101)	203578	25.0000	29.4	
	53 Caprolactam	113	12.735	12.963	(1.097)	83489	25.0000	26.3	
	54 Isosafrole	162	13.160	13.191	(1.134)	200492	25.0000	27.5	
	55 2-Methylnaphthalene	142	13.263	13.295	(1.143)	528181	25.0000	27.2	
	56 4-Chloro-3-Methylphenol	107	13.149	13.212	(1.133)	211696	25.0000	27.1	
	57 1-Methylnaphthalene	142	13.512	13.543	(1.164)	518094	25.0000	27.5	
	58 Hexachlorocyclopentadiene	237	13.822	13.833	(0.877)	169270	25.0000	25.9	
	59 1,2,4,5-Tetrachlorobenzene	216	13.760	13.791	(0.873)	251046	25.0000	27.0	
	60 Safrole	104	13.853	13.864	(0.879)	18371	25.0000	25.1	
	61 2,4,6-Trichlorophenol	196	14.060	14.102	(0.892)	167753	25.0000	27.0	
$	62 2-Fluorobiphenyl	172	14.236	14.267	(0.903)	526494	25.0000	27.0	
	63 2,4,5-Trichlorophenol	196	14.164	14.205	(0.899)	173522	25.0000	25.3	
	64 2-Chloronaphthalene	162	14.391	14.412	(0.913)	722085	25.0000	28.4	
	65 Diethyl Adipate	111	14.381	14.412	(0.913)	156894	25.0000	23.9	
	66 1,1'-Biphenyl	154	14.422	14.464	(0.915)	607596	25.0000	27.8	
	67 1-Chloronaphthalene	162	14.464	14.506	(0.918)	453769	25.0000	27.3	
	68 Diphenylether	170	14.712	14.733	(0.934)	327852	25.0000	27.0	
	69 2-Nitroaniline	65	14.816	14.868	(0.940)	125364	25.0000	25.4	
	70 1,4-Naphthoquinone	158	14.878	14.909	(0.944)	157287	25.0000	29.4	
	71 1,4-Dinitrobenzene	75	15.106	15.158	(0.959)	84321	25.0000	24.8	
	72 Dimethyl Phthalate	163	15.375	15.437	(0.976)	488551	25.0000	27.0	
	73 1,3-Dinitrobenzene	168	15.385	15.447	(0.976)	72748	25.0000	24.7	
	74 Acenaphthylene	152	15.375	15.406	(0.976)	724469	25.0000	27.1	
	75 2,6-Dinitrotoluene	165	15.509	15.561	(0.984)	125374	25.0000	26.8	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.664	15.717	(0.994)	67842	25.0000	25.1	
* 77 Acenaphthene-D10	164	15.758	15.779	(1.000)	774902	40.0000		
78 Acenaphthene	153	15.830	15.861	(1.005)	461210	25.0000	27.1	
79 3-Nitroaniline	138	15.820	15.882	(1.004)	117835	25.0000	25.6	
80 2,4-Dinitrophenol	184	16.068	16.141	(1.020)	56062	25.0000	22.4(a)	
81 Pentachlorobenzene	250	16.275	16.306	(1.033)	233463	25.0000	27.0	
82 Dibenzofuran	168	16.203	16.234	(1.028)	644052	25.0000	26.9	
83 2,4-Dinitrotoluene	165	16.420	16.493	(1.042)	151661	25.0000	27.3	
84 1-Naphthylamine	143	16.441	16.493	(1.043)	482782	25.0000	27.1	
85 2,3,5,6-Tetrachlorophenol	232	16.555	16.596	(1.051)	140809	25.0000	25.8	
86 2,3,4,6-Tetrachlorophenol	232	16.658	16.710	(1.057)	134987	25.0000	26.9	
87 2-Naphthylamine	143	16.627	16.689	(1.055)	450870	25.0000	25.8	
88 4-Nitrophenol	139	16.368	16.420	(1.039)	70489	25.0000	23.3(a)	
89 Diethylphthalate	149	17.062	17.103	(1.083)	562199	25.0000	28.0	
90 Fluorene	166	17.020	17.052	(1.080)	535011	25.0000	27.2	
91 4-Chlorophenyl-phenylether	204	17.093	17.124	(1.085)	265629	25.0000	28.1	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.248	17.290	(1.095)	95851	25.0000	26.9	
93 5-Nitro-O-Toluidine	152	17.227	17.310	(1.093)	138194	25.0000	26.4	
94 4-Nitroaniline	138	17.289	17.383	(1.097)	94833	25.0000	24.2(a)	
95 4,6-Dinitro-2-Methylphenol	198	17.362	17.445	(0.904)	83151	25.0000	23.4(a)	
96 N-Nitrosodiphenylamine	169	17.424	17.476	(0.907)	423544	25.0000	26.5	
97 N-Nitrosodiphenylamine/DPA	169	17.424	17.476	(0.907)	423544	25.0000	26.5	
98 1,2-Diphenylhydrazine	77	17.455	17.497	(0.908)	574643	25.0000	26.3	
99 Azobenzene	77	17.455	17.497	(0.908)	574643	25.0000	26.3	
$ 100 2,4,6-Tribromophenol	330	17.662	17.704	(1.121)	91769	25.0000	25.4	
101 Sulfotepp	97	18.128	18.159	(0.943)	91491	25.0000	26.1	
102 Diallate	86	18.211	18.232	(0.948)	159534	25.0000	26.4	
103 Phorate	75	18.231	18.273	(0.949)	322628	25.0000	25.9	
104 4-Bromophenyl-phenylether	248	18.231	18.252	(0.949)	149988	25.0000	25.7	
105 Hexachlorobenzene	284	18.511	18.552	(0.963)	177434	25.0000	25.1	
106 1,3,5-Trinitrobenzene	213	18.262	18.376	(0.950)	39843	25.0000	24.4(Q)	
107 Phenacetin	108	18.345	18.449	(0.955)	205063	25.0000	24.4	
108 Dimethoate	87	18.666	18.749	(0.971)	149637	25.0000	23.8	
109 Pentachloronitrobenzene	237	19.173	19.225	(0.998)	73944	25.0000	25.6	
110 Atrazine	200	18.852	18.904	(0.981)	126239	25.0000	29.5	
111 Pentachlorophenol	266	18.987	19.039	(0.988)	91384	25.0000	23.3(a)	
112 4-Aminobiphenyl	169	18.894	18.946	(0.983)	426100	25.0000	25.2	
113 Pronamide	173	19.204	19.256	(0.999)	199943	25.0000	25.1	
* 114 Phenanthrene-D10	188	19.215	19.246	(1.000)	1239399	40.0000		
115 Phenanthrene	178	19.266	19.308	(1.003)	722032	25.0000	25.6	
116 Dinoseb	211	19.515	19.535	(1.016)	128290	25.0000	25.5	
117 Anthracene	178	19.370	19.412	(1.008)	727016	25.0000	25.4	
118 Disulfoton	88	19.473	19.494	(1.013)	243266	25.0000	26.1	
119 Carbazole	167	19.836	19.877	(1.032)	537376	25.0000	25.1	
120 Methyl Parathion	109	20.353	20.384	(1.059)	139803	25.0000	28.8	
121 Di-n-butylphthalate	149	20.943	20.964	(1.090)	852375	25.0000	26.1	
122 4-Nitroquinoline-1-Oxide	190	21.243	21.285	(1.106)	29673	25.0000	23.4(a)	
123 Ethyl Parathion	291	21.326	21.357	(1.110)	57793	25.0000	26.0	
124 Methapyrilene	97	21.564	21.585	(1.122)	132611	25.0000	23.1	
125 Isodrin	193	21.771	21.792	(1.133)	93851	25.0000	25.9	
126 Fluoranthene	202	22.092	22.123	(1.150)	649413	25.0000	25.9	
127 Benzidine	184	22.558	22.579	(0.884)	113744	25.0000	23.6(a)	
128 Pyrene	202	22.599	22.630	(0.885)	653462	25.0000	24.5	
$ 129 Terphenyl-D14	244	23.127	23.148	(0.906)	418449	25.0000	24.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.427	23.438	(0.918)	44815	25.0000	24.8	
131 p-Dimethylaminoazobenzene	225	23.531	23.541	(0.922)	123367	25.0000	24.0	
132 Chlorobenzilate	251	23.696	23.717	(0.928)	187998	25.0000	23.8	
133 Famphur	218	24.348	24.359	(0.954)	54416	25.0000	40.0	
134 3,3'-Dimethylbenzidine	212	24.338	24.349	(0.953)	126349	25.0000	24.2	
135 Butylbenzylphthalate	149	24.472	24.493	(0.959)	297613	25.0000	24.8	
136 Bis(2-ethylhexyl)adipate	129	24.721	24.742	(0.968)	266350	25.0000	24.6	
137 2-Acetylaminofluorene	181	24.949	24.980	(0.977)	139292	25.0000	26.5	
138 Benzo(a)anthracene	228	25.487	25.508	(0.998)	486679	25.0000	25.5	
* 139 Chrysene-D12	240	25.528	25.539	(1.000)	867368	40.0000		
140 3,3'-Dichlorobenzidine	252	25.580	25.601	(1.002)	118207	25.0000	26.6	
141 Chrysene	228	25.580	25.611	(1.002)	453031	25.0000	26.0	
143 bis(2-Ethylhexyl)phthalate	149	25.952	25.963	(1.017)	413179	25.0000	24.8	
145 Di-n-octylphthalate	149	27.329	27.340	(0.953)	592437	25.0000	22.5	
146 7,12-Dimethylbenz(A)Anthracen	256	27.971	27.981	(0.975)	181467	25.0000	25.5	
147 Benzo(b)fluoranthene	252	27.898	27.919	(0.973)	314569	25.0000	24.9	
148 Benzo(k)fluoranthene	252	27.950	27.971	(0.974)	385476	25.0000	25.2	
149 Benzo(a)pyrene	252	28.561	28.571	(0.996)	274357	25.0000	25.2	
* 150 Perylene-D12	264	28.685	28.685	(1.000)	529538	40.0000		
151 3-Methylcholanthrene	268	29.337	29.348	(1.023)	125710	25.0000	25.0	
152 Dibenz(a,j)acridine	279	30.569	30.579	(1.066)	100380	25.0000	22.9	
153 Indeno(1,2,3-cd)pyrene	276	30.952	30.962	(1.079)	112964	25.0000	21.9	
154 Dibenzo(a,h)anthracene	278	31.024	31.035	(1.082)	127548	25.0000	22.3	
155 Benzo(g,h,i)perylene	276	31.593	31.604	(1.101)	146637	25.0000	23.9	
M 156 Total PAHs	100				8042283	425.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5804.D
Lab Smp Id: SSTD025U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

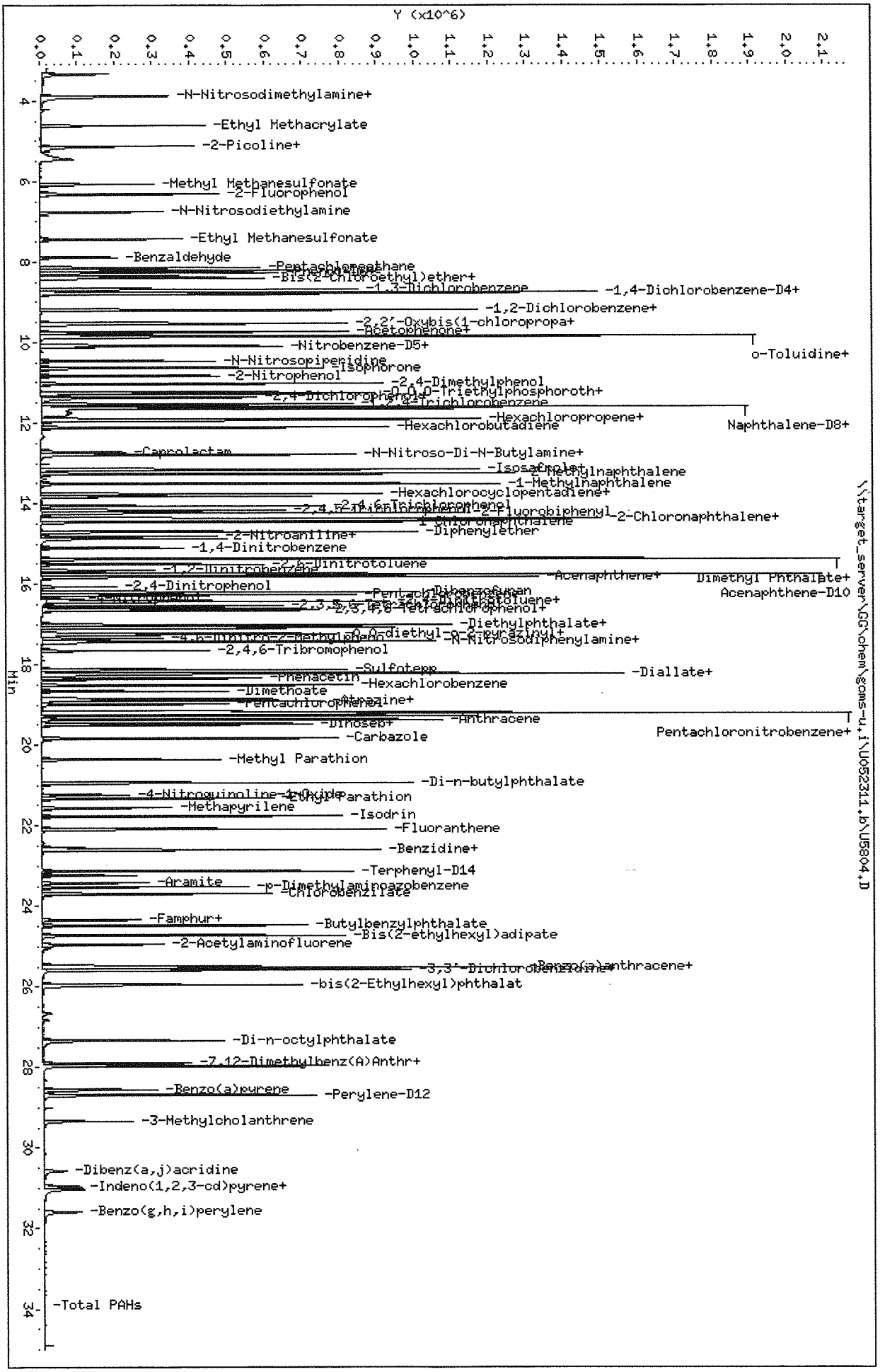
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	380718	16.30
43 Naphthalene-D8	1261487	630744	2522974	1428253	13.22
77 Acenaphthene-D10	688599	344300	1377198	774902	12.53
114 Phenanthrene-D10	1066957	533479	2133914	1239399	16.16
139 Chrysene-D12	669261	334631	1338522	867368	29.60
150 Perylene-D12	342377	171189	684754	529538	54.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.00
43 Naphthalene-D8	11.61	11.11	12.11	11.61	-0.00
77 Acenaphthene-D10	15.76	15.26	16.26	15.76	-0.00
114 Phenanthrene-D10	19.23	18.73	19.73	19.22	-0.05
139 Chrysene-D12	25.53	25.03	26.03	25.53	-0.00
150 Perylene-D12	28.69	28.19	29.19	28.69	-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-u,i\U052311,b\U5804,D
Date : 23-MAY-2011 13:30
Client ID:
Sample Info: SSTD025U0523
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u,i
Operator: JCG
Column diameter: 0.25
\\target_server\GC\chem\gcms-u,i\U052311,b\U5804,D
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone+
-Nitrobenzene-D5+
o-Toluidine+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorophenol+
-O,O,O-Triethylphosphoroth+
-1,2,4-Trichlorobenzene
-Hexachloropropene+
-Hexachlorobutadiene
Naphthalene-D8+
-Caprolactam
-N-Nitroso-Di-N-Butylamine+
-Isosafrolat
-2-Methylnaphthalene
-1-Methylnaphthalene
-Hexachlorocyclopentadiene+
-2,4,6-Trichlorophenol
-2,4,5-Trichlorophenol
-2-Fluorobiphenyl
-1-Chloronaphthalene
-2-Chloronaphthalene+
-2-Nitroaniline+
-Diphenylether
-1,4-Dinitrobenzene
-2,6-Dinitrotoluene
-1,2-Dinitrobenzene
-Acenaphthene+
Dimethyl Phthalate+
Acenaphthene-D10
-2,4-Dinitrophenol
-Pentachlorobenzene
-Dibenzofuran
-4-Nitrophenol
-2,4-Dinitrotoluene+
-2,3,5,6-Tetrachlorophenol+
-2,3,4,6-Tetrachlorophenol+
-Diethylphthalate+
-4,6-Dinitro-2-Methylphenol
-O,O,O-diethyl-o-2-pyrazinyl+
-N-Nitrosodiphenylamine+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-Phenacetin
-Hexachlorobenzene
-Dimethoate
-Pentachlorophenol
-Atrazine+
-Anthracene
-Dinoseb+
Pentachloronitrobenzene+
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-3,3'-Dichlorobenzidine
-Benzo(a)anthracene+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Lab Smp Id: SSTD075U0523
Inj Date : 23-MAY-2011 14:15 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD075U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 14:15 Cal File: U5805.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 * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 1,4-Dioxane	58	3.327	3.327	(0.379)	239613	75.0000	78.5	
2 N-Nitrosodimethylamine	42	3.907	3.928	(0.445)	355205	75.0000	75.9	
3 Pyridine	79	3.866	3.855	(0.441)	821250	75.0000	80.6	
4 Ethyl Methacrylate	69	4.611	4.621	(0.526)	565401	75.0000	77.9	
5 2-Picoline	93	5.118	5.108	(0.583)	827849	75.0000	79.0	
6 N-Nitrosomethylethylamine	88	5.449	5.449	(0.621)	324829	75.0000	77.3	
7 Methyl Methanesulfonate	80	6.081	6.101	(0.693)	433623	75.0000	76.3	
$ 8 2-Fluorophenol	112	6.329	6.339	(0.722)	692509	75.0000	76.4	
9 N-Nitrosodiethylamine	102	6.774	6.784	(0.772)	327129	75.0000	77.1	
10 Ethyl Methanesulfonate	79	7.447	7.478	(0.849)	515983	75.0000	77.0	
11 Benzaldehyde	77	7.892	7.892	(0.900)	139373	75.0000	79.1	
12 Aniline	93	8.213	8.233	(0.936)	1020268	75.0000	76.4	
13 Pentachloroethane	117	8.140	8.151	(0.928)	274891	75.0000	77.4	
14 Bis(2-Chloroethyl)ether	93	8.378	8.399	(0.955)	622670	75.0000	75.9	
$ 15 Phenol-D6	99	8.264	8.285	(0.942)	810360	75.0000	77.3	
16 Phenol	94	8.285	8.316	(0.945)	793467	75.0000	75.7	
17 2-Chlorophenol	128	8.420	8.430	(0.960)	709036	75.0000	76.8	
18 1,3-Dichlorobenzene	146	8.678	8.689	(0.989)	804675	75.0000	76.4	
* 19 1,4-Dichlorobenzene-D4	152	8.772	8.772	(1.000)	340705	40.0000		
20 1,4-Dichlorobenzene	146	8.803	8.813	(1.004)	796199	75.0000	76.1	
21 1,2-Dichlorobenzene	146	9.196	9.206	(1.048)	720353	75.0000	74.8	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.206	9.237	(1.050)	372413	75.0000	73.9	
	23 2,2'-Oxybis(1-chloropropane)	45	9.527	9.537	(1.086)	800462	75.0000	75.6	
	24 Bis(2-Chloroisopropyl)ether	45	9.527	9.537	(1.086)	805525	75.0000	75.8	
	25 2-Methylphenol	108	9.548	9.569	(1.088)	602493	75.0000	75.7(M)	M9
	26 Acetophenone	105	9.755	9.776	(0.840)	876566	75.0000	76.0	
	27 N-Nitrosopyrrolidine	100	9.827	9.900	(1.120)	322176	75.0000	76.3	
	28 o-Toluidine	106	9.858	9.879	(1.124)	831343	75.0000	72.5(Q)	
	29 N-Nitroso-di-n-propylamine	70	9.879	9.931	(1.126)	400382	75.0000	74.1	
	30 Hexachloroethane	117	9.848	9.848	(1.123)	290054	75.0000	73.6	
	31 N-Nitrosomorpholine	56	9.858	9.910	(1.124)	329590	75.0000	69.7	
	32 3&4-Methylphenol	108	9.900	9.941	(1.129)	639439	75.0000	75.5(Q)	
$	33 Nitrobenzene-D5	82	10.086	10.107	(0.869)	676798	75.0000	76.4	
	34 Nitrobenzene	77	10.128	10.148	(0.872)	661508	75.0000	77.3	
	35 N-Nitrosopiperidine	114	10.479	10.521	(0.903)	359155	75.0000	76.3	
	36 Isophorone	82	10.655	10.686	(0.918)	1216272	75.0000	79.6	
	37 2-Nitrophenol	139	10.842	10.852	(0.934)	408318	75.0000	76.6	
	38 2,4-Dimethylphenol	107	11.049	11.080	(0.952)	630326	75.0000	75.4	
	39 O,O,O-Triethylphosphorothioat	198	11.287	11.318	(0.972)	312905	75.0000	74.4	
	40 Bis(2-Chloroethoxy)methane	93	11.245	11.266	(0.969)	761191	75.0000	75.0	
	41 2,4-Dichlorophenol	162	11.390	11.421	(0.981)	570345	75.0000	75.6	
	42 1,2,4-Trichlorobenzene	180	11.535	11.545	(0.994)	682052	75.0000	75.7	
*	43 Naphthalene-D8	136	11.608	11.618	(1.000)	1264724	40.0000		
	44 Benzoic acid	122	11.473	11.597	(0.988)	287296	75.0000	76.0(QM)	M9
	45 Naphthalene	128	11.659	11.670	(1.004)	1772183	75.0000	75.0	
	46 Hexachloropropene	213	11.939	11.949	(1.029)	424719	75.0000	78.6	
	47 4-Chloroaniline	127	11.928	11.949	(1.028)	688510	75.0000	80.6	
	48 2,6-Dichlorophenol	162	11.908	11.928	(1.026)	519791	75.0000	74.7	
	49 Hexachlorobutadiene	225	12.115	12.125	(1.044)	400990	75.0000	76.5	
	50 A,A-Dimethylphenethylamine	58	12.022	11.897	(1.036)	1376766	75.0000	79.9(TM)	M6
	51 N-Nitroso-Di-N-Butylamine	84	12.808	12.829	(1.103)	472876	75.0000	78.8	
	52 p-Phenylenediamine	108	12.819	12.860	(1.104)	460713	75.0000	75.3	
	53 Caprolactam	113	12.839	12.963	(1.106)	209967	75.0000	74.7(Q)	
	54 Isosafrole	162	13.170	13.191	(1.135)	470510	75.0000	72.9	
	55 2-Methylnaphthalene	142	13.274	13.295	(1.144)	1278546	75.0000	74.3	
	56 4-Chloro-3-Methylphenol	107	13.170	13.212	(1.135)	514537	75.0000	74.5	
	57 1-Methylnaphthalene	142	13.522	13.543	(1.165)	1237982	75.0000	74.1	
	58 Hexachlorocyclopentadiene	237	13.833	13.833	(0.878)	452274	75.0000	78.4	
	59 1,2,4,5-Tetrachlorobenzene	216	13.771	13.791	(0.874)	615296	75.0000	74.9	
	60 Safrole	104	13.854	13.864	(0.879)	49917	75.0000	77.2	
	61 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	416686	75.0000	75.8	
$	62 2-Fluorobiphenyl	172	14.247	14.267	(0.904)	1289895	75.0000	74.8	
	63 2,4,5-Trichlorophenol	196	14.195	14.205	(0.901)	474870	75.0000	78.4	
	64 2-Chloronaphthalene	162	14.412	14.412	(0.915)	1653215	75.0000	73.5	
	65 Diethyl Adipate	111	14.392	14.412	(0.913)	344160	75.0000	77.2	
	66 1,1'-Biphenyl	154	14.433	14.464	(0.916)	1417862	75.0000	73.4	
	67 1-Chloronaphthalene	162	14.485	14.506	(0.919)	1081986	75.0000	73.6	
	68 Diphenylether	170	14.723	14.733	(0.934)	790120	75.0000	73.8	
	69 2-Nitroaniline	65	14.837	14.868	(0.942)	343762	75.0000	78.7	
	70 1,4-Naphthoquinone	158	14.889	14.909	(0.945)	343891	75.0000	72.7	
	71 1,4-Dinitrobenzene	75	15.127	15.158	(0.960)	230538	75.0000	76.6	
	72 Dimethyl Phthalate	163	15.396	15.437	(0.977)	1116568	75.0000	69.7	
	73 1,3-Dinitrobenzene	168	15.406	15.447	(0.978)	193534	75.0000	74.5	
	74 Acenaphthylene	152	15.385	15.406	(0.976)	1692784	75.0000	71.5	
	75 2,6-Dinitrotoluene	165	15.530	15.561	(0.986)	310488	75.0000	75.0	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.686	15.717	(0.995)	180403	75.0000	75.4	
* 77 Acenaphthene-D10	164	15.758	15.779	(1.000)	684847	40.0000		
78 Acenaphthene	153	15.841	15.861	(1.005)	1079850	75.0000	71.8	
79 3-Nitroaniline	138	15.851	15.882	(1.006)	305438	75.0000	75.1	
80 2,4-Dinitrophenol	184	16.089	16.141	(1.021)	199845	75.0000	74.9	
81 Pentachlorobenzene	250	16.286	16.306	(1.033)	560564	75.0000	73.5	
82 Dibenzofuran	168	16.224	16.234	(1.030)	1554940	75.0000	73.5	
83 2,4-Dinitrotoluene	165	16.451	16.493	(1.044)	364162	75.0000	74.2	
84 1-Naphthylamine	143	16.462	16.493	(1.045)	1171804	75.0000	74.4	
85 2,3,5,6-Tetrachlorophenol	232	16.576	16.596	(1.052)	376872	75.0000	78.2	
86 2,3,4,6-Tetrachlorophenol	232	16.679	16.710	(1.058)	341368	75.0000	77.0	
87 2-Naphthylamine	143	16.648	16.689	(1.056)	1198590	75.0000	77.7	
88 4-Nitrophenol	139	16.379	16.420	(1.039)	229830	75.0000	85.9	
89 Diethylphthalate	149	17.083	17.103	(1.084)	1312369	75.0000	74.0	
90 Fluorene	166	17.031	17.052	(1.081)	1278898	75.0000	73.5	
91 4-Chlorophenyl-phenylether	204	17.104	17.124	(1.085)	612394	75.0000	73.4	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.269	17.290	(1.096)	238077	75.0000	75.5	
93 5-Nitro-O-Toluidine	152	17.259	17.310	(1.095)	342170	75.0000	74.0	
94 4-Nitroaniline	138	17.331	17.383	(1.100)	277155	75.0000	79.9	
95 4,6-Dinitro-2-Methylphenol	198	17.393	17.445	(0.905)	241991	75.0000	74.8	
96 N-Nitrosodiphenylamine	169	17.445	17.476	(0.907)	1007703	75.0000	77.3	
97 N-Nitrosodiphenylamine/DPA	169	17.445	17.476	(0.907)	1007703	75.0000	77.3	
98 1,2-Diphenylhydrazine	77	17.466	17.497	(0.908)	1371587	75.0000	77.0	
99 Azobenzene	77	17.466	17.497	(0.908)	1371587	75.0000	77.0	
$ 100 2,4,6-Tribromophenol	330	17.673	17.704	(1.122)	244498	75.0000	76.7	
101 Sulfotepp	97	18.139	18.159	(0.943)	215653	75.0000	75.5	
102 Diallate	86	18.221	18.232	(0.948)	369656	75.0000	74.9	
103 Phorate	75	18.252	18.273	(0.949)	664655	75.0000	76.8	
104 4-Bromophenyl-phenylether	248	18.242	18.252	(0.949)	355979	75.0000	74.7	
105 Hexachlorobenzene	284	18.532	18.552	(0.964)	439674	75.0000	76.1	
106 1,3,5-Trinitrobenzene	213	18.314	18.376	(0.953)	105331	75.0000	78.9	
107 Phenacetin	108	18.397	18.449	(0.957)	530449	75.0000	77.4	
108 Dimethoate	87	18.697	18.749	(0.973)	317805	75.0000	82.6	
109 Pentachloronitrobenzene	237	19.194	19.225	(0.998)	179842	75.0000	76.1	
110 Atrazine	200	18.873	18.904	(0.982)	265527	75.0000	76.1	
111 Pentachlorophenol	266	19.008	19.039	(0.989)	268325	75.0000	83.9	
112 4-Aminobiphenyl	169	18.915	18.946	(0.984)	1069379	75.0000	77.6	
113 Pronamide	173	19.236	19.256	(1.001)	492092	75.0000	75.6	
* 114 Phenanthrene-D10	188	19.225	19.246	(1.000)	1011719	40.0000		
115 Phenanthrene	178	19.287	19.308	(1.003)	1746968	75.0000	76.0	
116 Dinoseb	211	19.525	19.535	(1.016)	335303	75.0000	81.6	
117 Anthracene	178	19.391	19.412	(1.009)	1780946	75.0000	76.2	
118 Disulfoton	88	19.484	19.494	(1.013)	577262	75.0000	75.8	
119 Carbazole	167	19.857	19.877	(1.033)	1340224	75.0000	76.7	
120 Methyl Parathion	109	20.364	20.384	(1.059)	296867	75.0000	74.9	
121 Di-n-butylphthalate	149	20.954	20.964	(1.090)	1979915	75.0000	74.4	
122 4-Nitroquinoline-1-Oxide	190	21.264	21.285	(1.106)	88730	75.0000	74.5	
123 Ethyl Parathion	291	21.337	21.357	(1.110)	135307	75.0000	74.4	
124 Methapyrilene	97	21.564	21.585	(1.122)	244482	75.0000	82.2	
125 Isodrin	193	21.782	21.792	(1.133)	224153	75.0000	75.8	
126 Fluoranthene	202	22.103	22.123	(1.150)	1508183	75.0000	73.7	
127 Benzidine	184	22.558	22.579	(0.884)	285375	75.0000	76.2	
128 Pyrene	202	22.610	22.630	(0.886)	1475364	75.0000	77.7	
$ 129 Terphenyl-D14	244	23.138	23.148	(0.906)	944598	75.0000	76.8	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.427	23.438	(0.918)	102845	75.0000	80.1	
131 p-Dimethylaminoazobenzene	225	23.531	23.541	(0.922)	286962	75.0000	78.6	
132 Chlorobenzilate	251	23.697	23.717	(0.928)	435573	75.0000	77.5	
133 Famphur	218	24.349	24.359	(0.954)	41043	75.0000	42.4	
134 3,3'-Dimethylbenzidine	212	24.338	24.349	(0.953)	301908	75.0000	77.2	
135 Butylbenzylphthalate	149	24.483	24.493	(0.959)	645265	75.0000	75.5	
136 Bis(2-ethylhexyl)adipate	129	24.732	24.742	(0.969)	600855	75.0000	78.0	
137 2-Acetylaminofluorene	181	24.959	24.980	(0.978)	278620	75.0000	74.5	
138 Benzo(a)anthracene	228	25.487	25.508	(0.998)	997957	75.0000	73.7	
* 139 Chrysene-D12	240	25.529	25.539	(1.000)	616479	40.0000		
140 3,3'-Dichlorobenzidine	252	25.591	25.601	(1.002)	237322	75.0000	75.3	
141 Chrysene	228	25.591	25.611	(1.002)	914763	75.0000	73.9	
143 bis(2-Ethylhexyl)phthalate	149	25.953	25.963	(1.017)	890251	75.0000	75.2	
145 Di-n-octylphthalate	149	27.329	27.340	(0.953)	1242739	75.0000	78.7	
146 7,12-Dimethylbenz(A)Anthracen	256	27.971	27.981	(0.975)	324540	75.0000	76.1	
147 Benzo(b)fluoranthene	252	27.909	27.919	(0.973)	572219	75.0000	75.8	
148 Benzo(k)fluoranthene	252	27.961	27.971	(0.975)	697883	75.0000	76.3	
149 Benzo(a)pyrene	252	28.561	28.571	(0.996)	489103	75.0000	75.1	
* 150 Perylene-D12	264	28.685	28.685	(1.000)	317076	40.0000		
151 3-Methylcholanthrene	268	29.337	29.348	(1.023)	234099	75.0000	77.7	
152 Dibenz(a,j)acridine	279	30.569	30.579	(1.066)	218870	75.0000	83.3	
153 Indeno(1,2,3-cd)pyrene	276	30.952	30.962	(1.079)	244991	75.0000	79.2	
154 Dibenzo(a,h)anthracene	278	31.024	31.035	(1.082)	279435	75.0000	81.6	
155 Benzo(g,h,i)perylene	276	31.594	31.604	(1.101)	294385	75.0000	80.2	
M 156 Total PAHs	100				18104458	1275.00	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5805.D
Lab Smp Id: SSTD075U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

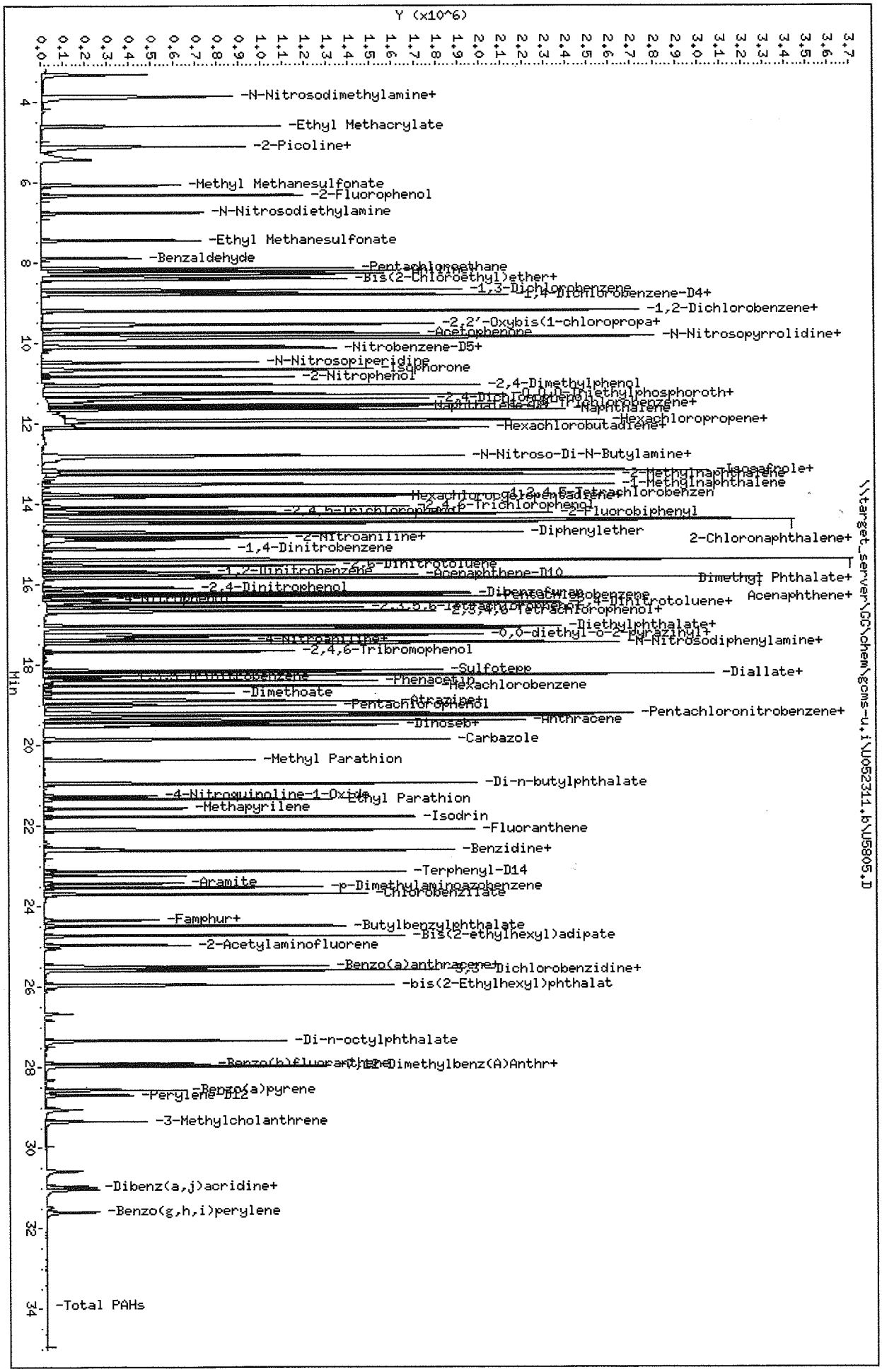
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	340705	4.08
43 Naphthalene-D8	1261487	630744	2522974	1264724	0.26
77 Acenaphthene-D10	688599	344300	1377198	684847	-0.54
114 Phenanthrene-D10	1066957	533479	2133914	1011719	-5.18
139 Chrysene-D12	669261	334631	1338522	616479	-7.89
150 Perylene-D12	342377	171189	684754	317076	-7.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.12
43 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
77 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
114 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
139 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
150 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5805.D
Date : 23-MAY-2011 14:15
Client ID:
Sample Info: SSTD075U0523
Volume Injected (ul): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Lab Smp Id: SSTD100U0523
Inj Date : 23-MAY-2011 14:59 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD100U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 14:59 Cal File: U5806.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 1,4-Dioxane	58	3.327	3.327	(0.379)	354400	100.000	95.0	
2 N-Nitrosodimethylamine	42	3.917	3.928	(0.447)	519988	100.000	90.9	
3 Pyridine	79	3.854	3.855	(0.439)	1174303	100.000	94.3	
4 Ethyl Methacrylate	69	4.610	4.621	(0.526)	823239	100.000	92.8	
5 2-Picoline	93	5.107	5.108	(0.582)	1231312	100.000	96.2	
6 N-Nitrosomethylethylamine	88	5.448	5.449	(0.621)	504603	100.000	98.3	
7 Methyl Methanesulfonate	80	6.090	6.101	(0.694)	662960	100.000	95.5	
$ 8 2-Fluorophenol	112	6.338	6.339	(0.723)	1049270	100.000	94.7	
9 N-Nitrosodiethylamine	102	6.784	6.784	(0.773)	499650	100.000	96.4	
10 Ethyl Methanesulfonate	79	7.467	7.478	(0.851)	782355	100.000	95.6	
11 Benzaldehyde	77	7.891	7.892	(0.900)	188934	100.000	91.2	
12 Aniline	93	8.222	8.233	(0.937)	1528036	100.000	93.6	
13 Pentachloroethane	117	8.150	8.151	(0.929)	406208	100.000	93.6	
14 Bis(2-Chloroethyl)ether	93	8.388	8.399	(0.956)	911548	100.000	90.9	
$ 15 Phenol-D6	99	8.274	8.285	(0.943)	1202440	100.000	93.9	
16 Phenol	94	8.305	8.316	(0.947)	1172071	100.000	91.5	
17 2-Chlorophenol	128	8.429	8.430	(0.961)	1054350	100.000	93.4	
18 1,3-Dichlorobenzene	146	8.688	8.689	(0.991)	1173010	100.000	91.2	
* 19 1,4-Dichlorobenzene-D4	152	8.771	8.772	(1.000)	416322	40.0000		
20 1,4-Dichlorobenzene	146	8.802	8.813	(1.004)	1160250	100.000	90.8	
21 1,2-Dichlorobenzene	146	9.205	9.206	(1.050)	1052706	100.000	89.5	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.226	9.237	(1.052)	575814	100.000	93.5	
	23 2,2'-Oxybis(1-chloropropane)	45	9.537	9.537	(1.087)	1207569	100.000	93.3	
	24 Bis(2-Chloroisopropyl)ether	45	9.537	9.537	(1.087)	1207569	100.000	93.1	
	25 2-Methylphenol	108	9.557	9.569	(1.090)	938751	100.000	96.5	
	26 Acetophenone	105	9.764	9.776	(0.841)	1339023	100.000	93.9	
	27 N-Nitrosopyrrolidine	100	9.868	9.900	(1.125)	430935	100.000	83.5	
	28 o-Toluidine	106	9.868	9.879	(1.125)	1254456	100.000	89.6	
	29 N-Nitroso-di-n-propylamine	70	9.909	9.931	(1.130)	595917	100.000	90.2	
	30 Hexachloroethane	117	9.847	9.848	(1.123)	428862	100.000	89.0	
	31 N-Nitrosomorpholine	56	9.889	9.910	(1.127)	504677	100.000	87.3	
	32 3&4-Methylphenol	108	9.920	9.941	(1.131)	960242	100.000	92.8	
$	33 Nitrobenzene-D5	82	10.096	10.107	(0.869)	1056902	100.000	96.5	
	34 Nitrobenzene	77	10.137	10.148	(0.873)	981575	100.000	92.7	
	35 N-Nitrosopiperidine	114	10.499	10.521	(0.904)	561248	100.000	96.5	
	36 Isophorone	82	10.675	10.686	(0.919)	1842818	100.000	97.6	
	37 2-Nitrophenol	139	10.851	10.852	(0.934)	632010	100.000	95.8	
	38 2,4-Dimethylphenol	107	11.068	11.080	(0.953)	953236	100.000	92.2	
	39 O,O,O-Triethylphosphorothioat	198	11.307	11.318	(0.973)	481870	100.000	92.6	
	40 Bis(2-Chloroethoxy)methane	93	11.255	11.266	(0.969)	1135810	100.000	90.5	
	41 2,4-Dichlorophenol	162	11.410	11.421	(0.982)	872380	100.000	93.5	
	42 1,2,4-Trichlorobenzene	180	11.545	11.545	(0.994)	993352	100.000	89.1	
*	43 Naphthalene-D8	136	11.617	11.618	(1.000)	1564330	40.0000		
	44 Benzoic acid	122	11.555	11.597	(0.995)	513019	100.000	110(QM)	M9
	45 Naphthalene	128	11.669	11.670	(1.004)	2593169	100.000	88.7	
	46 Hexachloropropene	213	11.948	11.949	(1.029)	591298	100.000	88.4	
	47 4-Chloroaniline	127	11.938	11.949	(1.028)	959253	100.000	95.4	
	48 2,6-Dichlorophenol	162	11.917	11.928	(1.026)	793018	100.000	92.2	
	49 Hexachlorobutadiene	225	12.124	12.125	(1.044)	582620	100.000	89.8	
	50 A,A-Dimethylphenethylamine	58	12.155	11.897	(1.046)	2098953	100.000	98.5(M)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.818	12.829	(1.103)	689040	100.000	92.9	
	52 p-Phenylenediamine	108	12.838	12.860	(1.105)	642997	100.000	84.9	
	53 Caprolactam	113	12.911	12.963	(1.111)	333570	100.000	95.9(Q)	
	54 Isosafrole	162	13.180	13.191	(1.135)	709504	100.000	88.9	
	55 2-Methylnaphthalene	142	13.283	13.295	(1.143)	1900015	100.000	89.2	
	56 4-Chloro-3-Methylphenol	107	13.190	13.212	(1.135)	754750	100.000	88.4	
	57 1-Methylnaphthalene	142	13.532	13.543	(1.165)	1851585	100.000	89.6	
	58 Hexachlorocyclopentadiene	237	13.832	13.833	(0.877)	681753	100.000	101	
	59 1,2,4,5-Tetrachlorobenzene	216	13.780	13.791	(0.874)	908010	100.000	94.9	
	60 Safrole	104	13.853	13.864	(0.879)	76923	100.000	102	
	61 2,4,6-Trichlorophenol	196	14.091	14.102	(0.894)	613079	100.000	95.7	
$	62 2-Fluorobiphenyl	172	14.256	14.267	(0.904)	1875545	100.000	93.4	
	63 2,4,5-Trichlorophenol	196	14.215	14.205	(0.902)	728896	100.000	103(M)	M9
	64 2-Chloronaphthalene	162	14.422	14.412	(0.915)	2328699	100.000	88.9	
	65 Diethyl Adipate	111	14.401	14.412	(0.913)	483086	100.000	101	
	66 1,1'-Biphenyl	154	14.453	14.464	(0.917)	2051932	100.000	91.1	
	67 1-Chloronaphthalene	162	14.494	14.506	(0.919)	1621489	100.000	94.7	
	68 Diphenylether	170	14.732	14.733	(0.934)	1180635	100.000	94.6	
	69 2-Nitroaniline	65	14.857	14.868	(0.942)	505817	100.000	99.4	
	70 1,4-Naphthoquinone	158	14.898	14.909	(0.945)	437467	100.000	79.4	
	71 1,4-Dinitrobenzene	75	15.136	15.158	(0.960)	355496	100.000	101	
	72 Dimethyl Phthalate	163	15.416	15.437	(0.978)	1726617	100.000	92.5	
	73 1,3-Dinitrobenzene	168	15.436	15.447	(0.979)	303618	100.000	100(Q)	
	74 Acenaphthylene	152	15.405	15.406	(0.977)	2547700	100.000	92.4	
	75 2,6-Dinitrotoluene	165	15.550	15.561	(0.986)	469591	100.000	97.3	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.705	15.717	(0.996)	270796	100.000	97.2	
* 77 Acenaphthene-D10	164	15.767	15.779	(1.000)	798000	40.0000		
78 Acenaphthene	153	15.850	15.861	(1.005)	1627196	100.000	92.8	
79 3-Nitroaniline	138	15.871	15.882	(1.007)	467109	100.000	98.6	
80 2,4-Dinitrophenol	184	16.109	16.141	(1.022)	323265	100.000	102	
81 Pentachlorobenzene	250	16.295	16.306	(1.033)	830476	100.000	93.4	
82 Dibenzofuran	168	16.233	16.234	(1.030)	2293171	100.000	93.0	
83 2,4-Dinitrotoluene	165	16.471	16.493	(1.045)	522856	100.000	91.4	
84 1-Naphthylamine	143	16.482	16.493	(1.045)	1655427	100.000	90.2	
85 2,3,5,6-Tetrachlorophenol	232	16.585	16.596	(1.052)	563047	100.000	100	
86 2,3,4,6-Tetrachlorophenol	232	16.699	16.710	(1.059)	484356	100.000	93.8	
87 2-Naphthylamine	143	16.668	16.689	(1.057)	1761771	100.000	98.0	
88 4-Nitrophenol	139	16.399	16.420	(1.040)	284355	100.000	91.2	
89 Diethylphthalate	149	17.092	17.103	(1.084)	1809544	100.000	87.6	
90 Fluorene	166	17.040	17.052	(1.081)	1861722	100.000	91.8	
91 4-Chloropheny1-phenylether	204	17.113	17.124	(1.085)	869730	100.000	89.5	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.279	17.290	(1.096)	338043	100.000	92.0	
93 5-Nitro-O-Toluidine	152	17.279	17.310	(1.096)	516478	100.000	95.9	
94 4-Nitroaniline	138	17.351	17.383	(1.100)	428116	100.000	106	
95 4,6-Dinitro-2-Methylphenol	198	17.413	17.445	(0.905)	370758	100.000	100	
96 N-Nitrosodiphenylamine	169	17.455	17.476	(0.907)	1415073	100.000	96.2	
97 N-Nitrosodiphenylamine/DPA	169	17.455	17.476	(0.907)	1415073	100.000	96.2	
98 1,2-Diphenylhydrazine	77	17.475	17.497	(0.909)	1913302	100.000	95.2	
99 Azobenzene	77	17.475	17.497	(0.909)	1913302	100.000	95.2	
$ 100 2,4,6-Tribromophenol	330	17.693	17.704	(1.122)	362156	100.000	97.5	
101 Sulfotepp	97	18.148	18.159	(0.944)	304470	100.000	94.5	
102 Diallate	86	18.231	18.232	(0.948)	520151	100.000	93.4	
103 Phorate	75	18.262	18.273	(0.949)	912647	100.000	98.2	
104 4-Bromophenyl-phenylether	248	18.251	18.252	(0.949)	510328	100.000	95.0	
105 Hexachlorobenzene	284	18.541	18.552	(0.964)	641961	100.000	98.5	
106 1,3,5-Trinitrobenzene	213	18.345	18.376	(0.954)	158379	100.000	105	
107 Phenacetin	108	18.427	18.449	(0.958)	788573	100.000	102	
108 Dimethoate	87	18.728	18.749	(0.974)	399034	100.000	96.5	
109 Pentachloronitrobenzene	237	19.204	19.225	(0.998)	256076	100.000	96.1	
110 Atrazine	200	18.893	18.904	(0.982)	321463	100.000	81.7	
111 Pentachlorophenol	266	19.028	19.039	(0.989)	373686	100.000	104	
112 4-Aminobiphenyl	169	18.924	18.946	(0.984)	1525847	100.000	98.2	
113 Pronamide	173	19.245	19.256	(1.001)	714510	100.000	97.3	
* 114 Phenanthrene-D10	188	19.235	19.246	(1.000)	1141227	40.0000		
115 Phenanthrene	178	19.297	19.308	(1.003)	2515702	100.000	97.0	
116 Dinoseb	211	19.535	19.535	(1.016)	497422	100.000	107(A)	
117 Anthracene	178	19.400	19.412	(1.009)	2531456	100.000	96.0	
118 Disulfoton	88	19.493	19.494	(1.013)	828162	100.000	96.4	
119 Carbazole	167	19.866	19.877	(1.033)	1980475	100.000	100	
120 Methyl Parathion	109	20.373	20.384	(1.059)	381168	100.000	85.3	
121 Di-n-butylphthalate	149	20.963	20.964	(1.090)	2801362	100.000	93.3	
122 4-Nitroquinoline-1-Oxide	190	21.274	21.285	(1.106)	140544	100.000	103	
123 Ethyl Parathion	291	21.346	21.357	(1.110)	205356	100.000	100	
124 Methapyrilene	97	21.574	21.585	(1.122)	306695	100.000	98.6	
125 Isodrin	193	21.781	21.792	(1.132)	315839	100.000	94.7	
126 Fluoranthene	202	22.112	22.123	(1.150)	2182351	100.000	94.6	
127 Benzidine	184	22.567	22.579	(0.884)	507782	100.000	102	
128 Pyrene	202	22.619	22.630	(0.886)	2179741	100.000	87.2	
$ 129 Terphenyl-D14	244	23.137	23.148	(0.906)	1414505	100.000	87.3	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.437	23.438	(0.918)	151103	100.000	89.4	
131 p-Dimethylaminoazobenzene	225	23.540	23.541	(0.922)	436749	100.000	90.8	
132 Chlorobenzilate	251	23.706	23.717	(0.928)	673886	100.000	91.1	
133 Famphur	218	24.358	24.359	(0.954)	29899	100.000	23.5(a)	
134 3,3'-Dimethylbenzidine	212	24.348	24.349	(0.953)	513737	100.000	99.2	
135 Butylbenzylphthalate	149	24.482	24.493	(0.959)	1018477	100.000	90.5	
136 Bis(2-ethylhexyl)adipate	129	24.731	24.742	(0.968)	870011	100.000	85.7	
137 2-Acetylaminofluorene	181	24.979	24.980	(0.978)	520665	100.000	106	
138 Benzo(a)anthracene	228	25.497	25.508	(0.998)	1678785	100.000	94.1	
* 139 Chrysene-D12	240	25.538	25.539	(1.000)	811996	40.0000		
140 3,3'-Dichlorobenzidine	252	25.590	25.601	(1.002)	404529	100.000	97.4	
141 Chrysene	228	25.600	25.611	(1.002)	1499710	100.000	92.0	
143 bis(2-Ethylhexyl)phthalate	149	25.952	25.963	(1.016)	1402799	100.000	90.0	
145 Di-n-octylphthalate	149	27.339	27.340	(0.953)	2070783	100.000	104	
146 7,12-Dimethylbenz(A)Anthracen	256	27.981	27.981	(0.975)	522129	100.000	96.9	
147 Benzo(b)fluoranthene	252	27.918	27.919	(0.973)	982428	100.000	103	
148 Benzo(k)fluoranthene	252	27.970	27.971	(0.975)	1095770	100.000	94.8	
149 Benzo(a)pyrene	252	28.571	28.571	(0.996)	837452	100.000	102	
* 150 Perylene-D12	264	28.684	28.685	(1.000)	400708	40.0000		
151 3-Methylcholanthrene	268	29.347	29.348	(1.023)	377778	100.000	99.2	
152 Dibenz(a,j)acridine	279	30.568	30.579	(1.066)	357006	100.000	108	
153 Indeno(1,2,3-cd)pyrene	276	30.961	30.962	(1.079)	414839	100.000	106	
154 Dibenzo(a,h)anthracene	278	31.034	31.035	(1.082)	441917	100.000	102	
155 Benzo(g,h,i)perylene	276	31.603	31.604	(1.102)	448694	100.000	96.7	
M 156 Total PAHs	100				27338647	1700.00	(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.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5806.D
Lab Smp Id: SSTD100U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

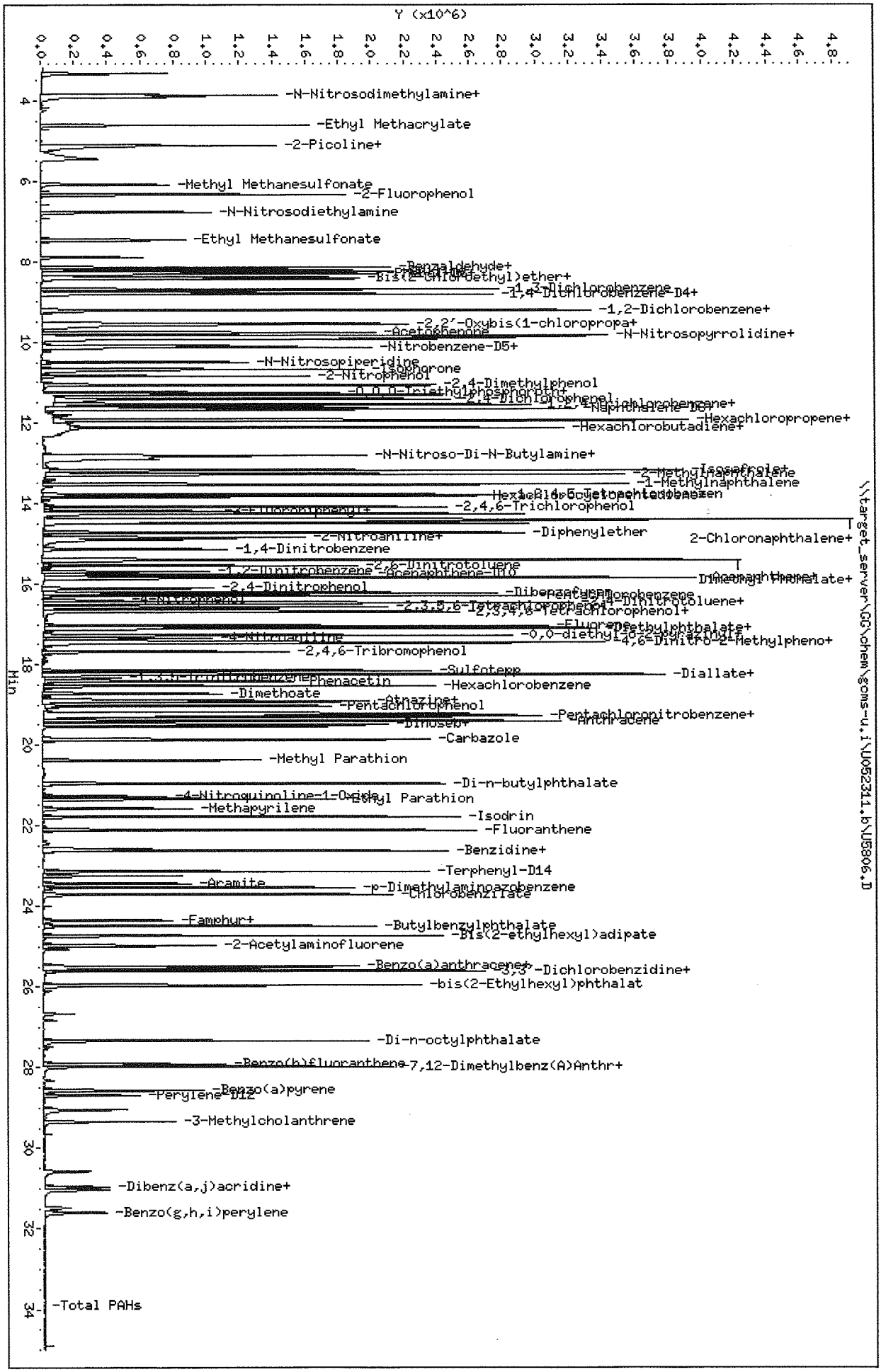
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	416322	27.18
43 Naphthalene-D8	1261487	630744	2522974	1564330	24.01
77 Acenaphthene-D10	688599	344300	1377198	798000	15.89
114 Phenanthrene-D10	1066957	533479	2133914	1141227	6.96
139 Chrysene-D12	669261	334631	1338522	811996	21.33
150 Perylene-D12	342377	171189	684754	400708	17.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.11
43 Naphthalene-D8	11.61	11.11	12.11	11.62	0.08
77 Acenaphthene-D10	15.76	15.26	16.26	15.77	0.06
114 Phenanthrene-D10	19.23	18.73	19.73	19.24	0.05
139 Chrysene-D12	25.53	25.03	26.03	25.54	0.04
150 Perylene-D12	28.69	28.19	29.19	28.68	-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-u.i\U052311.b\U5806.D
Date : 23-MAY-2011 14:59
Client ID:
Sample Info: SSTD100U0523
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCC
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Lab Smp Id: SSTD125U0523
Inj Date : 23-MAY-2011 15:43 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD125U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.327	3.327	(0.379)	421449	125.000	114	
	2 N-Nitrosodimethylamine	42	3.928	3.928	(0.448)	662631	125.000	116	
	3 Pyridine	79	3.855	3.855	(0.440)	1463104	125.000	118	
	4 Ethyl Methacrylate	69	4.621	4.621	(0.527)	993879	125.000	113	
	5 2-Picoline	93	5.108	5.108	(0.582)	1581077	125.000	124	
	6 N-Nitrosomethylethylamine	88	5.449	5.449	(0.621)	643614	125.000	126(A)	
	7 Methyl Methanesulfonate	80	6.101	6.101	(0.696)	835767	125.000	121	
$	8 2-Fluorophenol	112	6.339	6.339	(0.723)	1279386	125.000	116	
	9 N-Nitrosodiethylamine	102	6.784	6.784	(0.773)	629178	125.000	122	
	10 Ethyl Methanesulfonate	79	7.478	7.478	(0.853)	1012099	125.000	124	
	11 Benzaldehyde	77	7.892	7.892	(0.900)	238899	125.000	128(A)	
	12 Aniline	93	8.233	8.233	(0.939)	1931325	125.000	119	
	13 Pentachloroethane	117	8.151	8.151	(0.929)	483936	125.000	112	
	14 Bis(2-Chloroethyl)ether	93	8.399	8.399	(0.958)	1119656	125.000	112	
$	15 Phenol-D6	99	8.285	8.285	(0.945)	1520221	125.000	119	
	16 Phenol	94	8.316	8.316	(0.948)	1501668	125.000	118	
	17 2-Chlorophenol	128	8.430	8.430	(0.961)	1281746	125.000	114	
	18 1,3-Dichlorobenzene	146	8.689	8.689	(0.991)	1409093	125.000	110	
*	19 1,4-Dichlorobenzene-D4	152	8.772	8.772	(1.000)	414088	40.0000		
	20 1,4-Dichlorobenzene	146	8.813	8.813	(1.005)	1380114	125.000	108	
	21 1,2-Dichlorobenzene	146	9.206	9.206	(1.050)	1281705	125.000	110	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Report Date: 24-May-2011 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.237	9.237	(1.053)	768252	125.000	125(A)	
	23 2,2'-Oxybis(1-chloropropane)	45	9.537	9.537	(1.087)	1470827	125.000	114	
	24 Bis(2-Chloroisopropyl)ether	45	9.537	9.537	(1.087)	1476089	125.000	114	
	25 2-Methylphenol	108	9.569	9.569	(1.091)	1215814	125.000	126(A)	
	26 Acetophenone	105	9.776	9.776	(0.841)	1723227	125.000	117	
	27 N-Nitrosopyrrolidine	100	9.900	9.900	(1.129)	576197	125.000	112	
	28 o-Toluidine	106	9.879	9.879	(1.126)	1592934	125.000	114	
	29 N-Nitroso-di-n-propylamine	70	9.931	9.931	(1.132)	724387	125.000	110	
	30 Hexachloroethane	117	9.848	9.848	(1.123)	533703	125.000	111	
	31 N-Nitrosomorpholine	56	9.910	9.910	(1.130)	641846	125.000	112	
	32 3&4-Methylphenol	108	9.941	9.941	(1.133)	1129730	125.000	110(H)	
$	33 Nitrobenzene-D5	82	10.107	10.107	(0.870)	1348258	125.000	119	
	34 Nitrobenzene	77	10.148	10.148	(0.873)	1234659	125.000	113	
	35 N-Nitrosopiperidine	114	10.521	10.521	(0.906)	723261	125.000	120	
	36 Isophorone	82	10.686	10.686	(0.920)	1814499	125.000	93.1	
	37 2-Nitrophenol	139	10.852	10.852	(0.934)	814399	125.000	120	
	38 2,4-Dimethylphenol	107	11.080	11.080	(0.954)	1207559	125.000	113	
	39 O,O,O-Triethylphosphorothioat	198	11.318	11.318	(0.974)	613186	125.000	114	
	40 Bis(2-Chloroethoxy)methane	93	11.266	11.266	(0.970)	1488432	125.000	115	
	41 2,4-Dichlorophenol	162	11.421	11.421	(0.983)	1066379	125.000	111	
	42 1,2,4-Trichlorobenzene	180	11.545	11.545	(0.994)	1251144	125.000	109	
*	43 Naphthalene-D8	136	11.618	11.618	(1.000)	1614164	40.0000		
	44 Benzoic acid	122	11.597	11.597	(0.998)	734462	125.000	152(AQM)	M9
	45 Naphthalene	128	11.670	11.670	(1.004)	3269779	125.000	108	
	46 Hexachloropropene	213	11.949	11.949	(1.029)	694762	125.000	101	
	47 4-Chloroaniline	127	11.949	11.949	(1.029)	1194214	125.000	125(A)	
	48 2,6-Dichlorophenol	162	11.928	11.928	(1.027)	984925	125.000	111	
	49 Hexachlorobutadiene	225	12.125	12.125	(1.044)	718420	125.000	107	
	50 A,A-Dimethylphenethylamine	58	11.897	11.897	(1.024)	2687664	125.000	122(TM)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.829	12.829	(1.104)	859922	125.000	112	
	52 p-Phenylenediamine	108	12.860	12.860	(1.107)	819305	125.000	105	
	53 Caprolactam	113	12.963	12.963	(1.116)	453048	125.000	126(A)	
	54 Isosafrole	162	13.191	13.191	(1.135)	919905	125.000	112	
	55 2-Methylnaphthalene	142	13.295	13.295	(1.144)	2399510	125.000	109	
	56 4-Chloro-3-Methylphenol	107	13.212	13.212	(1.137)	1021728	125.000	116	
	57 1-Methylnaphthalene	142	13.543	13.543	(1.166)	2329908	125.000	109	
	58 Hexachlorocyclopentadiene	237	13.833	13.833	(0.877)	853335	125.000	115	
	59 1,2,4,5-Tetrachlorobenzene	216	13.791	13.791	(0.874)	1157916	125.000	110	
	60 Safrole	104	13.864	13.864	(0.879)	99962	125.000	120	
	61 2,4,6-Trichlorophenol	196	14.102	14.102	(0.894)	803840	125.000	114	
$	62 2-Fluorobiphenyl	172	14.267	14.267	(0.904)	2400790	125.000	109	
	63 2,4,5-Trichlorophenol	196	14.205	14.205	(0.900)	941908	125.000	121(M)	M9
	64 2-Chloronaphthalene	162	14.412	14.412	(0.913)	2920264	125.000	101	
	65 Diethyl Adipate	111	14.412	14.412	(0.913)	608844	125.000	123	
	66 1,1'-Biphenyl	154	14.464	14.464	(0.917)	2546998	125.000	103	
	67 1-Chloronaphthalene	162	14.506	14.506	(0.919)	2087841	125.000	111	
	68 Diphenylether	170	14.733	14.733	(0.934)	1527954	125.000	111	
	69 2-Nitroaniline	65	14.868	14.868	(0.942)	675943	125.000	121	
	70 1,4-Naphthoquinone	158	14.909	14.909	(0.945)	501692	125.000	82.7	
	71 1,4-Dinitrobenzene	75	15.158	15.158	(0.961)	472762	125.000	122	
	72 Dimethyl Phthalate	163	15.437	15.437	(0.978)	2275927	125.000	111	
	73 1,3-Dinitrobenzene	168	15.447	15.447	(0.979)	402156	125.000	121(Q)	
	74 Acenaphthylene	152	15.406	15.406	(0.976)	3362054	125.000	111	
	75 2,6-Dinitrotoluene	165	15.561	15.561	(0.986)	633896	125.000	119	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.717	15.717	(0.996)	372073	125.000	121	
* 77 Acenaphthene-D10	164	15.779	15.779	(1.000)	877906	40.0000		
78 Acenaphthene	153	15.861	15.861	(1.005)	2092281	125.000	108	
79 3-Nitroaniline	138	15.882	15.882	(1.007)	634955	125.000	122	
80 2,4-Dinitrophenol	184	16.141	16.141	(1.023)	440837	125.000	125(A)	
81 Pentachlorobenzene	250	16.306	16.306	(1.033)	1061970	125.000	108	
82 Dibenzofuran	168	16.234	16.234	(1.029)	3015320	125.000	111	
83 2,4-Dinitrotoluene	165	16.493	16.493	(1.045)	682471	125.000	108	
84 1-Naphthylamine	143	16.493	16.493	(1.045)	2196626	125.000	109	
85 2,3,5,6-Tetrachlorophenol	232	16.596	16.596	(1.052)	754786	125.000	122	
86 2,3,4,6-Tetrachlorophenol	232	16.710	16.710	(1.059)	623359	125.000	110	
87 2-Naphthylamine	143	16.689	16.689	(1.058)	2300452	125.000	116	
88 4-Nitrophenol	139	16.420	16.420	(1.041)	463004	125.000	135(A)	
89 Diethylphthalate	149	17.103	17.103	(1.084)	2275125	125.000	100	
90 Fluorene	166	17.052	17.052	(1.081)	2421362	125.000	108	
91 4-Chlorophenyl-phenylether	204	17.124	17.124	(1.085)	1097373	125.000	103	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.290	17.290	(1.096)	421591	125.000	104	
93 5-Nitro-O-Toluidine	152	17.310	17.310	(1.097)	672375	125.000	113	
94 4-Nitroaniline	138	17.383	17.383	(1.102)	566011	125.000	127(A)	
95 4,6-Dinitro-2-Methylphenol	198	17.445	17.445	(0.906)	486752	125.000	126(AQ)	
96 N-Nitrosodiphenylamine	169	17.476	17.476	(0.908)	1755267	125.000	115	
97 N-Nitrosodiphenylamine/DPA	169	17.476	17.476	(0.908)	1755267	125.000	115	
98 1,2-Diphenylhydrazine	77	17.497	17.497	(0.909)	2447494	125.000	117	
99 Azobenzene	77	17.497	17.497	(0.909)	2447494	125.000	117	
$ 100 2,4,6-Tribromophenol	330	17.704	17.704	(1.122)	481679	125.000	118	
101 Sulfotepp	97	18.159	18.159	(0.944)	398538	125.000	119	
102 Diallate	86	18.232	18.232	(0.947)	667263	125.000	115	
103 Phorate	75	18.273	18.273	(0.949)	1150842	125.000	126(A)	
104 4-Bromophenyl-phenylether	248	18.252	18.252	(0.948)	669377	125.000	120	
105 Hexachlorobenzene	284	18.552	18.552	(0.964)	847047	125.000	125	
106 1,3,5-Trinitrobenzene	213	18.376	18.376	(0.955)	213281	125.000	136(A)	
107 Phenacetin	108	18.449	18.449	(0.959)	1075218	125.000	134(A)	
108 Dimethoate	87	18.749	18.749	(0.974)	490410	125.000	124	
109 Pentachloronitrobenzene	237	19.225	19.225	(0.999)	324496	125.000	117	
110 Atrazine	200	18.904	18.904	(0.982)	353507	125.000	86.4	
111 Pentachlorophenol	266	19.039	19.039	(0.989)	511188	125.000	136(A)	
112 4-Aminobiphenyl	169	18.946	18.946	(0.984)	1977253	125.000	122	
113 Pronamide	173	19.256	19.256	(1.001)	914983	125.000	120	
* 114 Phenanthrene-D10	188	19.246	19.246	(1.000)	1186801	40.0000		
115 Phenanthrene	178	19.308	19.308	(1.003)	3237282	125.000	120	
117 Anthracene	178	19.412	19.412	(1.009)	3260566	125.000	119	
118 Disulfoton	88	19.494	19.494	(1.013)	1050632	125.000	118	
119 Carbazole	167	19.877	19.877	(1.033)	2523390	125.000	123	
120 Methyl Parathion	109	20.384	20.384	(1.059)	482806	125.000	104	
121 Di-n-butylphthalate	149	20.964	20.964	(1.089)	3653061	125.000	117	
122 4-Nitroquinoline-1-Oxide	190	21.285	21.285	(1.106)	177519	125.000	124	
123 Ethyl Parathion	291	21.357	21.357	(1.110)	271042	125.000	127(A)	
124 Methapyrilene	97	21.585	21.585	(1.122)	361267	125.000	122	
125 Isodrin	193	21.792	21.792	(1.132)	410974	125.000	118	
126 Fluoranthene	202	22.123	22.123	(1.149)	2820259	125.000	118	
127 Benzidine	184	22.579	22.579	(0.884)	599237	125.000	123	
128 Pyrene	202	22.630	22.630	(0.886)	2804177	125.000	116	
$ 129 Terphenyl-D14	244	23.148	23.148	(0.906)	1847373	125.000	117	
130 Aramite	185	23.438	23.438	(0.918)	184982	125.000	113	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Report Date: 24-May-2011 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
131 p-Dimethylaminoazobenzene	225	23.541	23.541	(0.922)	562174	125.000	120	
132 Chlorobenzilate	251	23.717	23.717	(0.929)	861786	125.000	120	
133 Famphur	218	24.359	24.359	(0.954)	21287	125.000	17.2(a)	
134 3,3'-Dimethylbenzidine	212	24.349	24.349	(0.953)	627299	125.000	124	
135 Butylbenzylphthalate	149	24.493	24.493	(0.959)	1236288	125.000	113	
136 Bis(2-ethylhexyl)adipate	129	24.742	24.742	(0.969)	1158189	125.000	118	
137 2-Acetylaminofluorene	181	24.980	24.980	(0.978)	606400	125.000	127(A)	
138 Benzo(a)anthracene	228	25.508	25.508	(0.999)	1979516	125.000	114	
* 139 Chrysene-D12	240	25.539	25.539	(1.000)	788241	40.0000		
140 3,3'-Dichlorobenzidine	252	25.601	25.601	(1.002)	478235	125.000	119	
141 Chrysene	228	25.611	25.611	(1.003)	1760814	125.000	111	
143 bis(2-Ethylhexyl)phthalate	149	25.963	25.963	(1.017)	1707470	125.000	113	
145 Di-n-octylphthalate	149	27.340	27.340	(0.953)	2380581	125.000	125	
146 7,12-Dimethylbenz(A)Anthracen	256	27.981	27.981	(0.975)	600086	125.000	117	
147 Benzo(b)fluoranthene	252	27.919	27.919	(0.973)	1142099	125.000	125(A)	
148 Benzo(k)fluoranthene	252	27.971	27.971	(0.975)	1279271	125.000	116	
149 Benzo(a)pyrene	252	28.571	28.571	(0.996)	960788	125.000	122	
* 150 Perylene-D12	264	28.685	28.685	(1.000)	382508	40.0000		
151 3-Methylcholanthrene	268	29.348	29.348	(1.023)	448905	125.000	124	
152 Dibenz(a,j)acridine	279	30.579	30.579	(1.066)	427188	125.000	135(A)	
153 Indeno(1,2,3-cd)pyrene	276	30.962	30.962	(1.079)	500781	125.000	134(A)	
154 Dibenzo(a,h)anthracene	278	31.035	31.035	(1.082)	547769	125.000	132(A)	
155 Benzo(g,h,i)perylene	276	31.604	31.604	(1.102)	520144	125.000	117	
M 156 Total PAHs	100				34358452	2125.00	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807.D
Report Date: 24-May-2011 08:19

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5807.D
Lab Smp Id: SSTD125U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

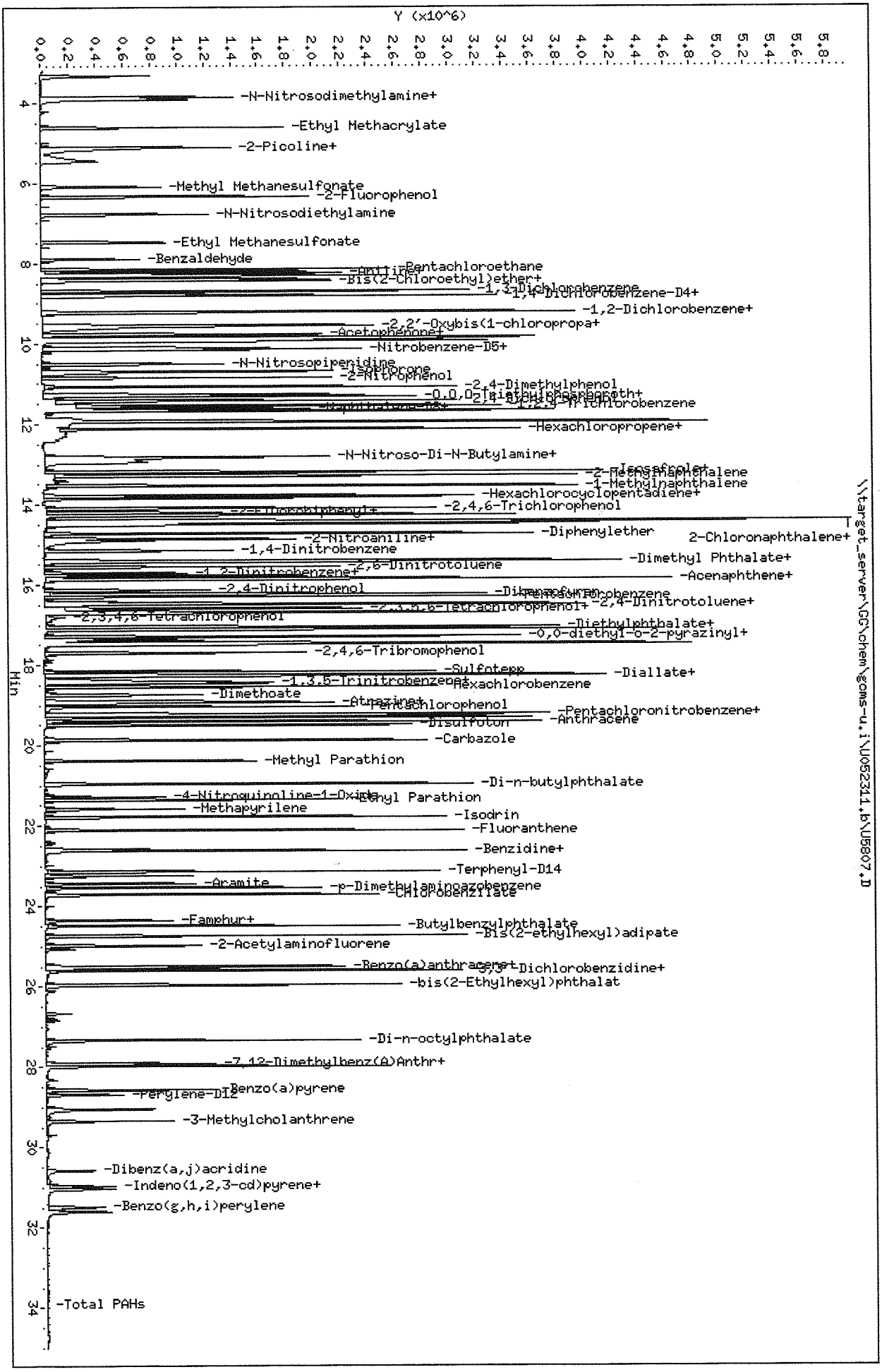
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	414088	26.50
43 Naphthalene-D8	1261487	630744	2522974	1614164	27.96
77 Acenaphthene-D10	688599	344300	1377198	877906	27.49
114 Phenanthrene-D10	1066957	533479	2133914	1186801	11.23
139 Chrysene-D12	669261	334631	1338522	788241	17.78
150 Perylene-D12	342377	171189	684754	382508	11.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.12
43 Naphthalene-D8	11.61	11.11	12.11	11.62	0.09
77 Acenaphthene-D10	15.76	15.26	16.26	15.78	0.13
114 Phenanthrene-D10	19.23	18.73	19.73	19.25	0.11
139 Chrysene-D12	25.53	25.03	26.03	25.54	0.04
150 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5807.D
Date : 23-MAY-2011 15:43
Client ID:
Sample Info: SSTD125U0523
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCC
Column diameter: 0.25
\\target_server\GC\chem\gcms-u.i\U052311.b\U5807.D
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone+
-Nitrobenzene-D5+
-N-Nitrosopiperidine
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorophenol
-Hexachloropropene+
-N-Nitroso-Di-N-Butylamine+
-2-Methylnaphthalene
-1-Methylnaphthalene
-Hexachlorocyclopentadiene+
-2,4,6-Trichlorophenol
-Diphenylether
2-Chloronaphthalene+
-2-Nitroaniline+
-1,4-Dinitrobenzene
-Dimethyl Phthalate+
-2,6-Dinitrotoluene
-Acenaphthene+
-2,4-Dinitrophenol
-2,4-Dinitrotoluene+
-2,3,4,6-Tetrachlorophenol
-Diethylphthalate+
-0,0-diethyl-o-2-pyrazinyl+
-2,4,6-Tribromophenol
-Diallate+
-Hexachlorobenzene
-Dimethoate
-Pentachlorophenol
-Pentachloronitrobenzene+
-Anthracene
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-Benzo(a)anthracene+
-3,3'-Dichlorobenzidine+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Lab Smp Id: 8270C IND CHECK
Inj Date : 23-MAY-2011 16:28 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : 8270C IND CHECK
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Meth Date : 24-May-2011 08:17 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 8 QC Sample: IND_CHECK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
1 1,4-Dioxane	58	3.328	3.327	(0.380)	181936	50.2287	50.2	
2 N-Nitrosodimethylamine	42	3.907	3.928	(0.446)	273607	49.2796	49.3	
3 Pyridine	79	3.866	3.855	(0.441)	574724	47.5499	47.5(a)	
5 2-Picoline	93	5.118	5.108	(0.584)	637874	51.3184	51.3	
6 N-Nitrosomethylethylamine	88	5.449	5.449	(0.622)	237747	47.6785	47.7	
7 Methyl Methanesulfonate	80	6.081	6.101	(0.694)	339107	50.2997	50.3	
9 N-Nitrosodiethylamine	102	6.764	6.784	(0.772)	257552	51.1472	51.1	
10 Ethyl Methanesulfonate	79	7.447	7.478	(0.850)	396583	49.9001	49.9	
11 Benzaldehyde	77	7.892	7.892	(0.901)	29222	9.76949	9.77(aR)	
12 Aniline	93	8.213	8.233	(0.937)	861221	54.3438	54.3	
14 Bis(2-Chloroethyl)ether	93	8.368	8.399	(0.955)	502495	51.6132	51.6	
16 Phenol	94	8.285	8.316	(0.946)	634755	51.0288	51.0	
17 2-Chlorophenol	128	8.409	8.430	(0.960)	551782	50.3652	50.4	
18 1,3-Dichlorobenzene	146	8.679	8.689	(0.991)	622954	49.8726	49.9	
* 19 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	404283	40.0000		
20 1,4-Dichlorobenzene	146	8.803	8.813	(1.005)	629018	50.6920	50.7	
21 1,2-Dichlorobenzene	146	9.196	9.206	(1.050)	569971	49.8931	49.9	
22 Benzyl alcohol	108	9.206	9.237	(1.051)	287408	48.0790	48.1	
23 2,2'-Oxybis(1-chloropropane)	45	9.527	9.537	(1.087)	649868	51.7320	51.7	
24 Bis(2-Chloroisopropyl)ether	45	9.527	9.537	(1.087)	653500	51.8635	51.9	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
25 2-Methylphenol	108	9.548	9.569	(1.090)	455232	48.2008	48.2(MH)	M9
26 Acetophenone	105	9.755	9.776	(0.840)	1320156	95.5377	95.5	
27 N-Nitrosopyrrolidine	100	9.817	9.900	(1.120)	269730	53.8125	53.8(Q)	
28 o-Toluidine	106	9.858	9.879	(1.125)	649893	47.7856	47.8(Q)	
29 N-Nitroso-di-n-propylamine	70	9.869	9.931	(1.126)	285089	44.4577	44.4	
30 Hexachloroethane	117	9.838	9.848	(1.123)	226269	48.3855	48.4	
31 N-Nitrosomorpholine	56	9.848	9.910	(1.124)	258062	45.9667	46.0	
32 3&4-Methylphenol	108	9.879	9.941	(1.128)	490632	48.8181	48.8(Q)	
34 Nitrobenzene	77	10.117	10.148	(0.872)	531601	51.8394	51.8	
35 N-Nitrosopiperidine	114	10.479	10.521	(0.903)	290400	51.5175	51.5	
36 Isophorone	82	10.645	10.686	(0.917)	809824	44.2564	44.2	
37 2-Nitrophenol	139	10.831	10.852	(0.933)	327573	51.2593	51.2	
38 2,4-Dimethylphenol	107	11.038	11.080	(0.951)	489745	48.9161	48.9	
39 O,O,O-Triethylphosphorothioat	198	11.276	11.318	(0.971)	254734	50.5475	50.5	
40 Bis(2-Chloroethoxy)methane	93	11.245	11.266	(0.969)	639892	52.6491	52.6(H)	
41 2,4-Dichlorophenol	162	11.390	11.421	(0.981)	463892	51.3445	51.3	
42 1,2,4-Trichlorobenzene	180	11.535	11.545	(0.994)	517373	47.9121	47.9	
* 43 Naphthalene-D8	136	11.608	11.618	(1.000)	1515524	40.0000		
44 Benzoic acid	122	11.452	11.597	(0.987)	209639	46.3126	46.3(Q)	
45 Naphthalene	128	11.649	11.670	(1.004)	1410272	49.7768	49.8	
46 Hexachloropropene	213	11.939	11.949	(1.029)	355644	54.9131	54.9	
47 4-Chloroaniline	127	11.918	11.949	(1.027)	578285	49.8674	49.9	
48 2,6-Dichlorophenol	162	11.908	11.928	(1.026)	421493	50.5713	50.6	
49 Hexachlorobutadiene	225	12.115	12.125	(1.044)	320421	50.9962	51.0	
51 N-Nitroso-Di-N-Butylamine	84	12.798	12.829	(1.103)	421202	58.5993	58.6	
53 Caprolactam	113	12.777	12.963	(1.101)	176486	52.3844	52.4	
54 Isosafrole	162	13.170	13.191	(1.135)	361217	46.7084	46.7	
55 2-Methylnaphthalene	142	13.274	13.295	(1.144)	1044907	50.6635	50.7	
56 4-Chloro-3-Methylphenol	107	13.150	13.212	(1.133)	433558	52.4017	52.4	
57 1-Methylnaphthalene	142	13.522	13.543	(1.165)	975244	48.7275	48.7	
58 Hexachlorocyclopentadiene	237	13.823	13.833	(0.877)	306693	45.2018	45.2	
59 1,2,4,5-Tetrachlorobenzene	216	13.771	13.791	(0.874)	492752	51.0038	51.0	
60 Safrole	104	13.854	13.864	(0.879)	33857	44.5054	44.5	
61 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	327755	50.6915	50.7	
63 2,4,5-Trichlorophenol	196	14.185	14.205	(0.900)	371348	52.1491	52.1	
64 2-Chloronaphthalene	162	14.402	14.412	(0.914)	1301258	49.1815	49.2	
65 Diethyl Adipate	111	14.392	14.412	(0.913)	272368	45.0799	45.1	
66 1,1'-Biphenyl	154	14.433	14.464	(0.916)	1178872	51.8457	51.8	
67 1-Chloronaphthalene	162	14.475	14.506	(0.919)	820228	47.4540	47.4	
69 2-Nitroaniline	65	14.837	14.868	(0.942)	265191	51.6275	51.6	
70 1,4-Naphthoquinone	158	14.889	14.909	(0.945)	351168	63.1123	63.1(R)	
72 Dimethyl Phthalate	163	15.385	15.437	(0.976)	912516	48.4311	48.4	
73 1,3-Dinitrobenzene	168	15.396	15.447	(0.977)	149498	48.9164	48.9	
74 Acenaphthylene	152	15.385	15.406	(0.976)	1301948	46.7727	46.8	
75 2,6-Dinitrotoluene	165	15.530	15.561	(0.986)	256079	52.5528	52.6	
* 77 Acenaphthene-D10	164	15.758	15.779	(1.000)	805676	40.0000		
78 Acenaphthene	153	15.830	15.861	(1.005)	874266	49.4139	49.4	
79 3-Nitroaniline	138	15.830	15.882	(1.005)	242149	50.6127	50.6	
80 2,4-Dinitrophenol	184	16.069	16.141	(1.020)	158954	52.2546	52.2	
81 Pentachlorobenzene	250	16.276	16.306	(1.033)	463141	51.6027	51.6	
82 Dibenzofuran	168	16.213	16.234	(1.029)	1293346	51.9708	52.0	
83 2,4-Dinitrotoluene	165	16.441	16.493	(1.043)	299287	51.8201	51.8	
84 1-Naphthylamine	143	16.451	16.493	(1.044)	807483	43.5545	43.6	
86 2,3,4,6-Tetrachlorophenol	232	16.669	16.710	(1.058)	279433	53.6099	53.6	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
87 2-Naphthylamine	143	16.638	16.689	(1.056)	902852	49.7379	49.7	
88 4-Nitrophenol	139	16.379	16.420	(1.039)	178218	56.6430	56.6(Q)	
89 Diethylphthalate	149	17.072	17.103	(1.083)	1063177	50.9704	51.0	
90 Fluorene	166	17.031	17.052	(1.081)	1013267	49.4814	49.5	
91 4-Chlorophenyl-phenylether	204	17.104	17.124	(1.085)	501615	51.1122	51.1	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.269	17.290	(1.096)	200297	54.0177	54.0	
93 5-Nitro-O-Toluidine	152	17.248	17.310	(1.095)	281560	51.7612	51.8	
94 4-Nitroaniline	138	17.311	17.383	(1.099)	214057	52.4380	52.4(Q)	
95 4,6-Dinitro-2-Methylphenol	198	17.383	17.445	(0.904)	193689	50.4064	50.4(Q)	
96 N-Nitrosodiphenylamine	169	17.445	17.476	(0.907)	1336693	84.3745	84.4	
97 N-Nitrosodiphenylamine/DPA	169	17.445	17.476	(0.907)	1336693	84.3745	84.4	
98 1,2-Diphenylhydrazine	77	17.466	17.497	(0.908)	1091723	50.4049	50.4	
99 Azobenzene	77	17.466	17.497	(0.908)	1091723	50.4049	50.4	
101 Sulfotepp	97	18.128	18.159	(0.943)	169070	48.6992	48.7	
102 Diallate	86	18.221	18.232	(0.948)	337021	56.1945	56.2	
103 Phorate	75	18.242	18.273	(0.949)	309557	24.9623	25.0(RH)	
104 4-Bromophenyl-phenylether	248	18.242	18.252	(0.949)	302472	52.2454	52.2	
105 Hexachlorobenzene	284	18.522	18.552	(0.963)	344310	49.0188	49.0	
106 1,3,5-Trinitrobenzene	213	18.294	18.376	(0.952)	81384	50.1499	50.1	
107 Phenacetin	108	18.377	18.449	(0.956)	415222	49.8194	49.8	
108 Dimethoate	87	18.687	18.749	(0.972)	270480	50.3537	50.4	
109 Pentachloronitrobenzene	237	19.184	19.225	(0.998)	145351	50.6364	50.6	
111 Pentachlorophenol	266	18.998	19.039	(0.988)	224459	57.7326	57.7	
112 4-Aminobiphenyl	169	18.904	18.946	(0.983)	680784	40.6599	40.6	
113 Pronamide	173	19.225	19.256	(1.000)	383214	48.4523	48.4	
* 114 Phenanthrene-D10	188	19.225	19.246	(1.000)	1229620	40.0000		
115 Phenanthrene	178	19.277	19.308	(1.003)	1416027	50.6996	50.7	
116 Dinoseb	211	19.525	19.535	(1.016)	266622	53.3752	53.4	
117 Anthracene	178	19.381	19.412	(1.008)	1415126	49.8215	49.8	
118 Disulfoton	88	19.474	19.494	(1.013)	430763	46.5193	46.5	
119 Carbazole	167	19.846	19.877	(1.032)	1083430	51.0154	51.0	
120 Methyl Parathion	109	20.364	20.384	(1.059)	259924	53.9666	54.0	
121 Di-n-butylphthalate	149	20.954	20.964	(1.090)	1591258	49.1746	49.2	
122 4-Nitroquinoline-1-Oxide	190	21.254	21.285	(1.106)	71282	50.6666	50.7	
123 Ethyl Parathion	291	21.337	21.357	(1.110)	109805	49.6966	49.7	
124 Methapyrilene	97	21.585	21.585	(1.123)	186529	38.6361	38.6(R)	
125 Isodrin	193	21.771	21.792	(1.132)	177491	49.4038	49.4	
126 Fluoranthene	202	22.103	22.123	(1.150)	1195786	48.0879	48.1	
127 Benzidine	184	22.558	22.579	(0.884)	117829	27.6817	27.7(aR)	
128 Pyrene	202	22.610	22.630	(0.886)	1207666	52.2585	52.2	
131 p-Dimethylaminoazobenzene	225	23.531	23.541	(0.922)	227802	51.2421	51.2	
132 Chlorobenzilate	251	23.697	23.717	(0.928)	352555	51.5653	51.6	
133 Famphur	218	24.349	24.359	(0.954)	67650	57.4707	57.5	
134 3,3'-Dimethylbenzidine	212	24.338	24.349	(0.953)	188563	40.4443	40.4	
135 Butylbenzylphthalate	149	24.483	24.493	(0.959)	515539	49.5798	49.6	
136 Bis(2-ethylhexyl)adipate	129	24.721	24.742	(0.968)	443178	47.2615	47.3	
137 2-Acetylaminofluorene	181	24.959	24.980	(0.978)	252835	55.5642	55.6	
138 Benzo(a)anthracene	228	25.487	25.508	(0.998)	792900	48.0976	48.1	
* 139 Chrysene-D12	240	25.529	25.539	(1.000)	750399	40.0000		
140 3,3'-Dichlorobenzidine	252	25.580	25.601	(1.002)	198291	51.6621	51.7	
141 Chrysene	228	25.591	25.611	(1.002)	757179	50.2451	50.2	
143 bis(2-Ethylhexyl)phthalate	149	25.953	25.963	(1.017)	717685	49.8397	49.8	
145 Di-n-octylphthalate	149	27.329	27.340	(0.953)	1008850	48.1024	48.1	
146 7,12-Dimethylbenz(A)Anthracen	256	27.971	27.981	(0.975)	289900	51.1893	51.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
147 Benzo(b)fluoranthene	252	27.909	27.919	(0.973)	515242	51.3781	51.4	
148 Benzo(k)fluoranthene	252	27.961	27.971	(0.975)	601424	49.5158	49.5	
149 Benzo(a)pyrene	252	28.561	28.571	(0.996)	444603	51.3966	51.4	
* 150 Perylene-D12	264	28.685	28.685	(1.000)	421057	40.0000		
151 3-Methylcholanthrene	268	29.337	29.348	(1.023)	210673	52.6657	52.7	
152 Dibenz(a,j)acridine	279	30.569	30.579	(1.066)	197350	56.5725	56.6	
153 Indeno(1,2,3-cd)pyrene	276	30.952	30.962	(1.079)	219506	53.4533	53.4	
154 Dibenzo(a,h)anthracene	278	31.024	31.035	(1.082)	234781	51.6194	51.6	
155 Benzo(g,h,i)perylene	276	31.594	31.604	(1.101)	259654	53.2397	53.2	
M 156 Total PAHs	100				14704554	855.922	856	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5808.D
Lab Smp Id: 8270C IND CHECK
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

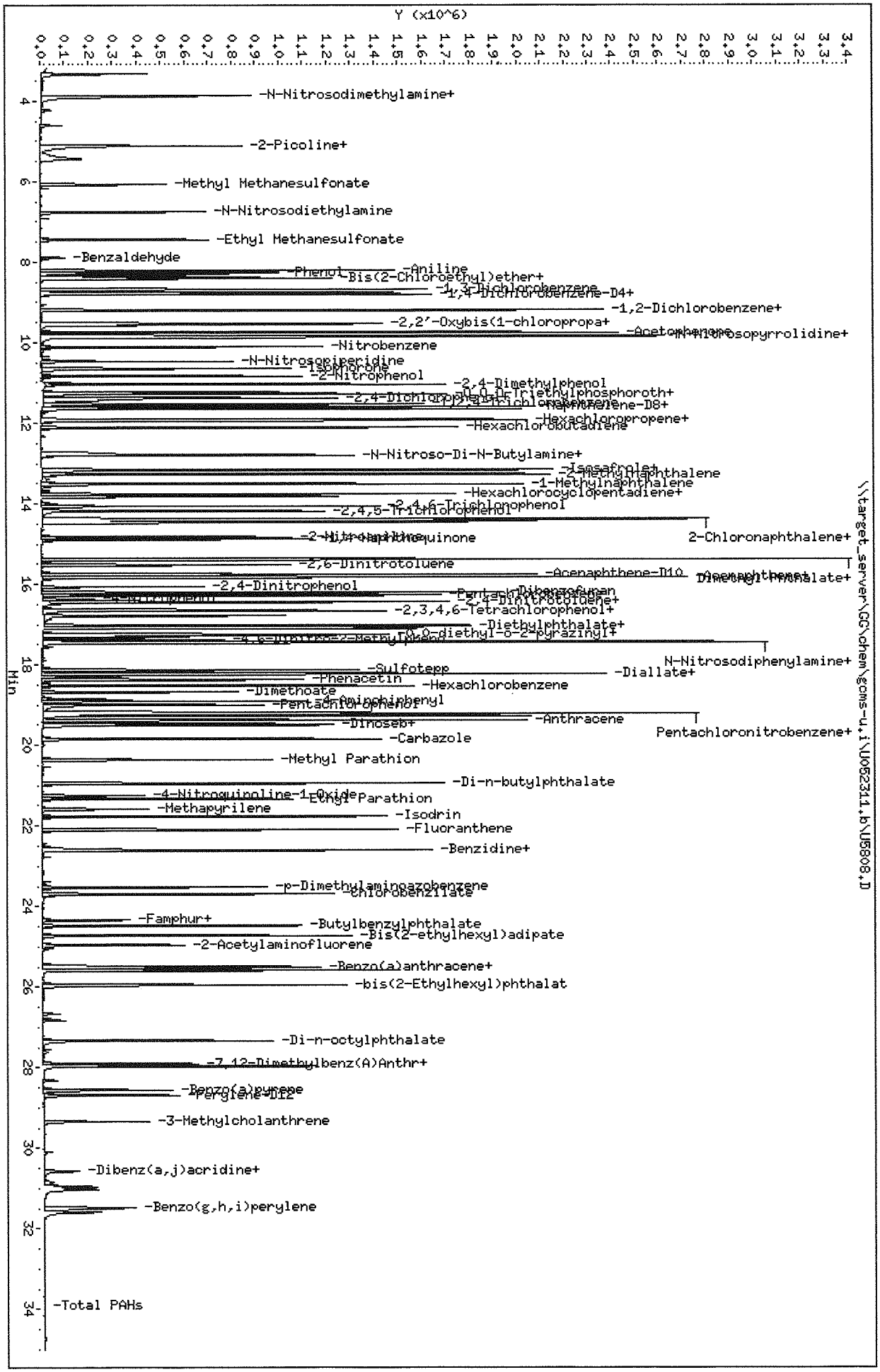
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	404283	23.50
43 Naphthalene-D8	1261487	630744	2522974	1515524	20.14
77 Acenaphthene-D10	688599	344300	1377198	805676	17.00
114 Phenanthrene-D10	1066957	533479	2133914	1229620	15.25
139 Chrysene-D12	669261	334631	1338522	750399	12.12
150 Perylene-D12	342377	171189	684754	421057	22.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
43 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
77 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
114 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
139 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
150 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5808.D
Date : 23-MAY-2011 16:28
Client ID:
Sample Info: 8270C IND CHECK
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



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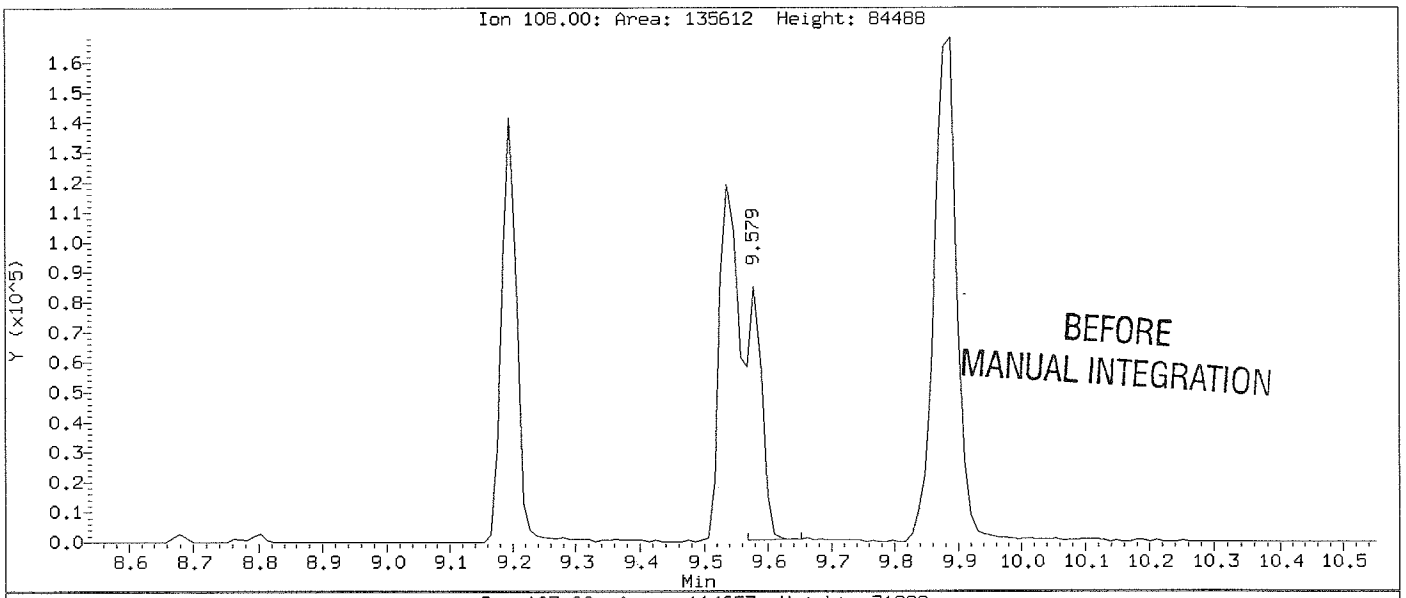
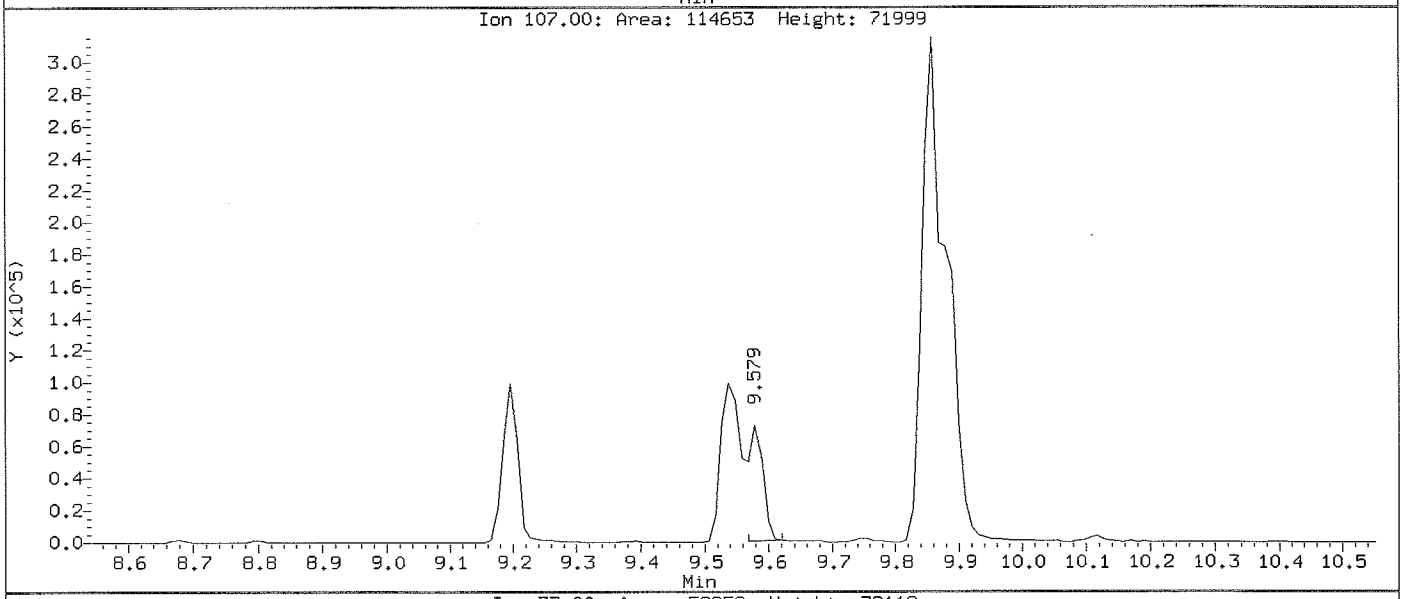
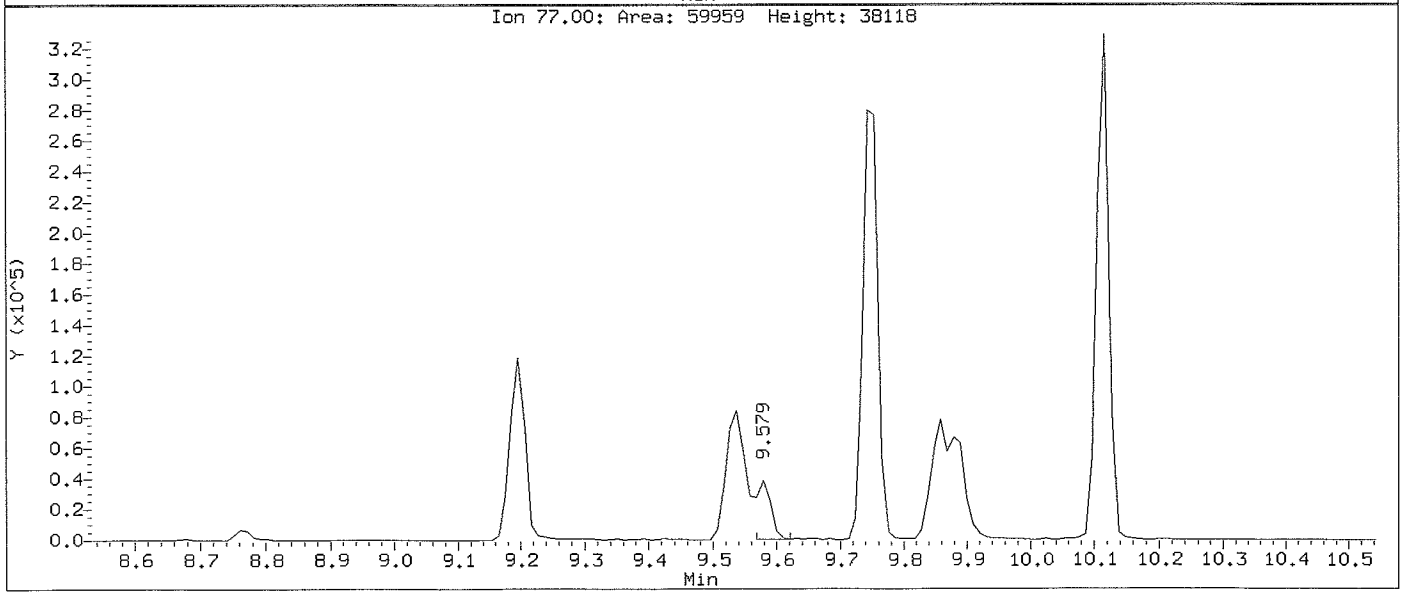
Injection Date: 23-MAY-2011 12:00
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







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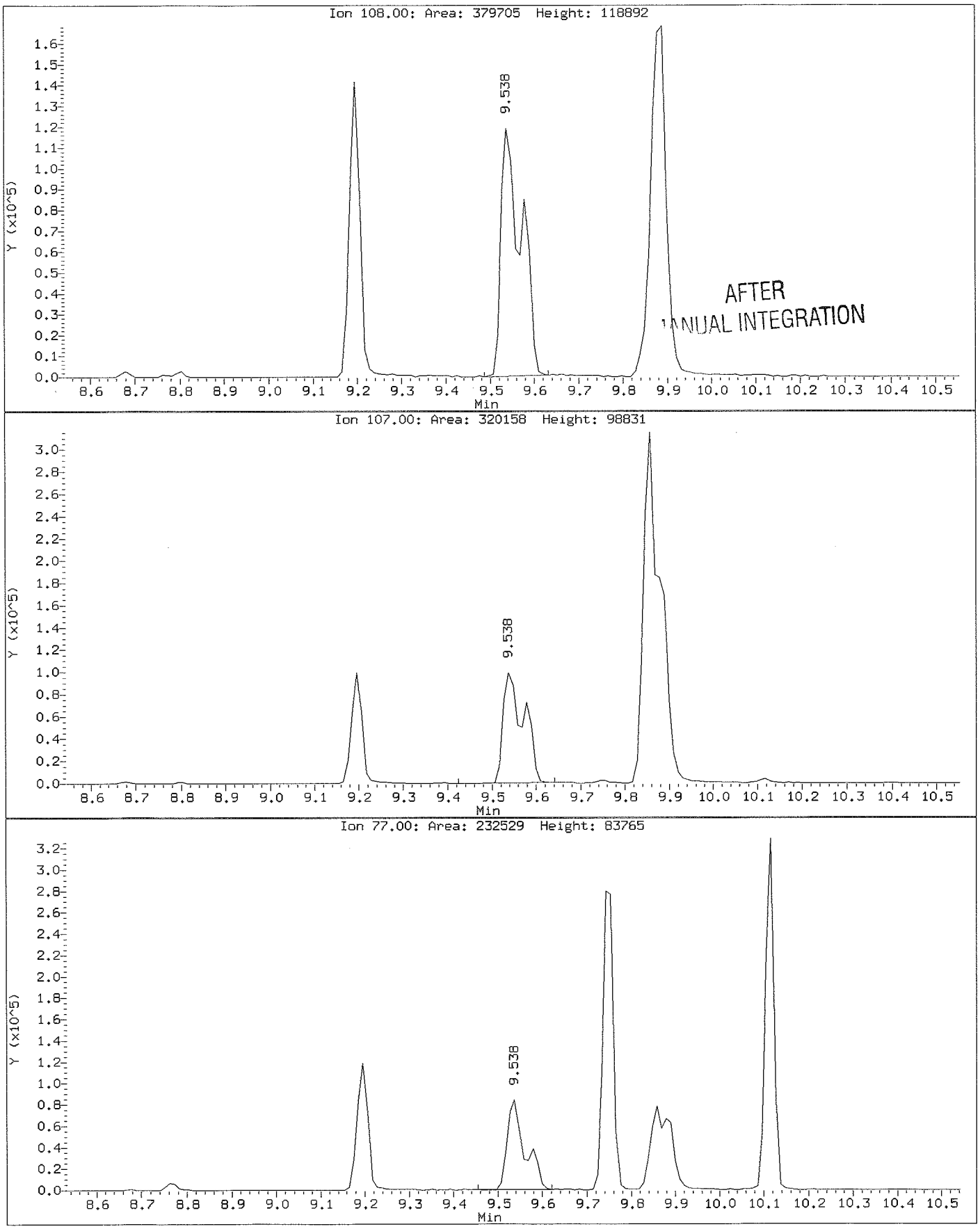
Compound: 2-Methylphenol
CAS Number: 95-48-7



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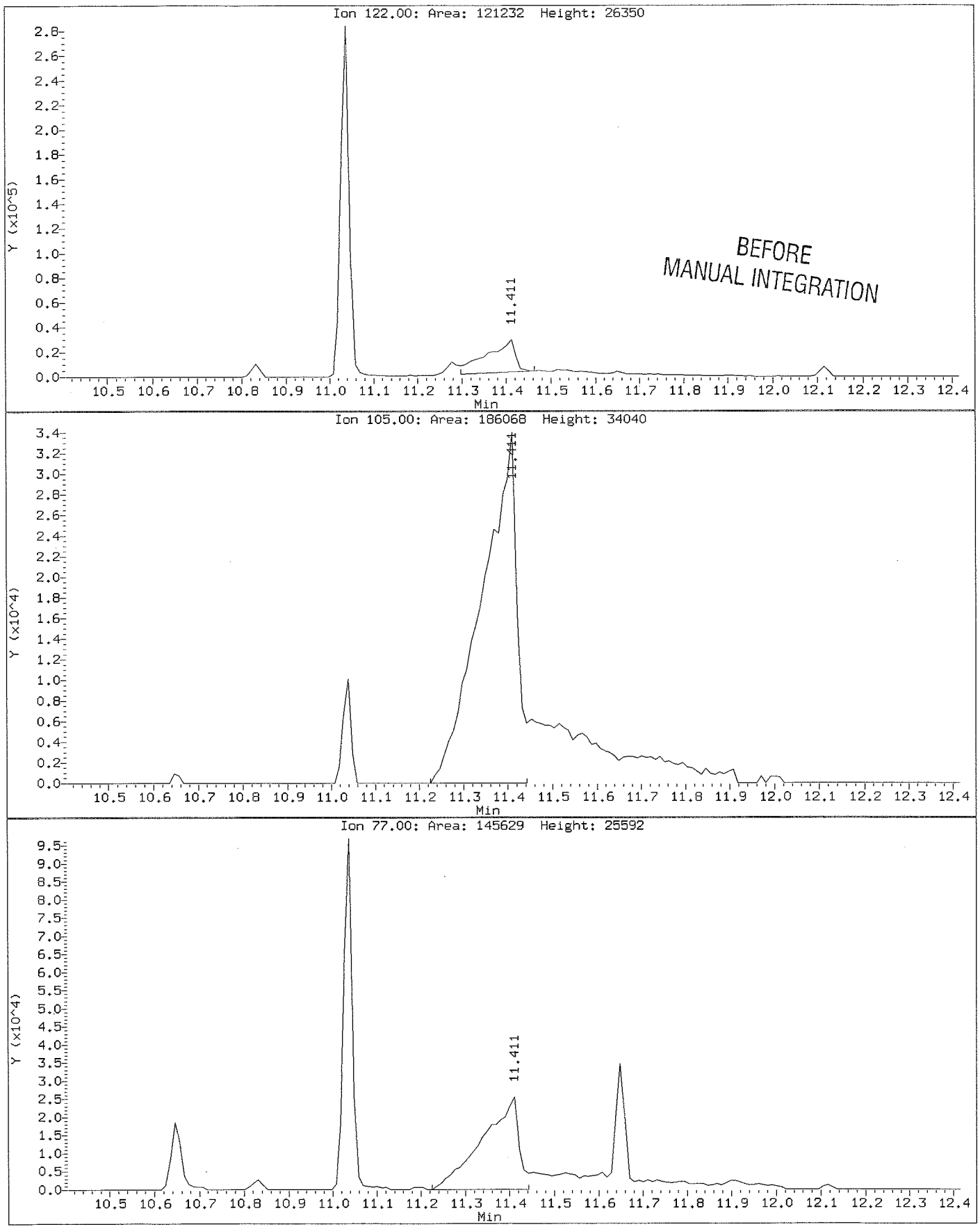
Injection Date: 23-MAY-2011 12:00
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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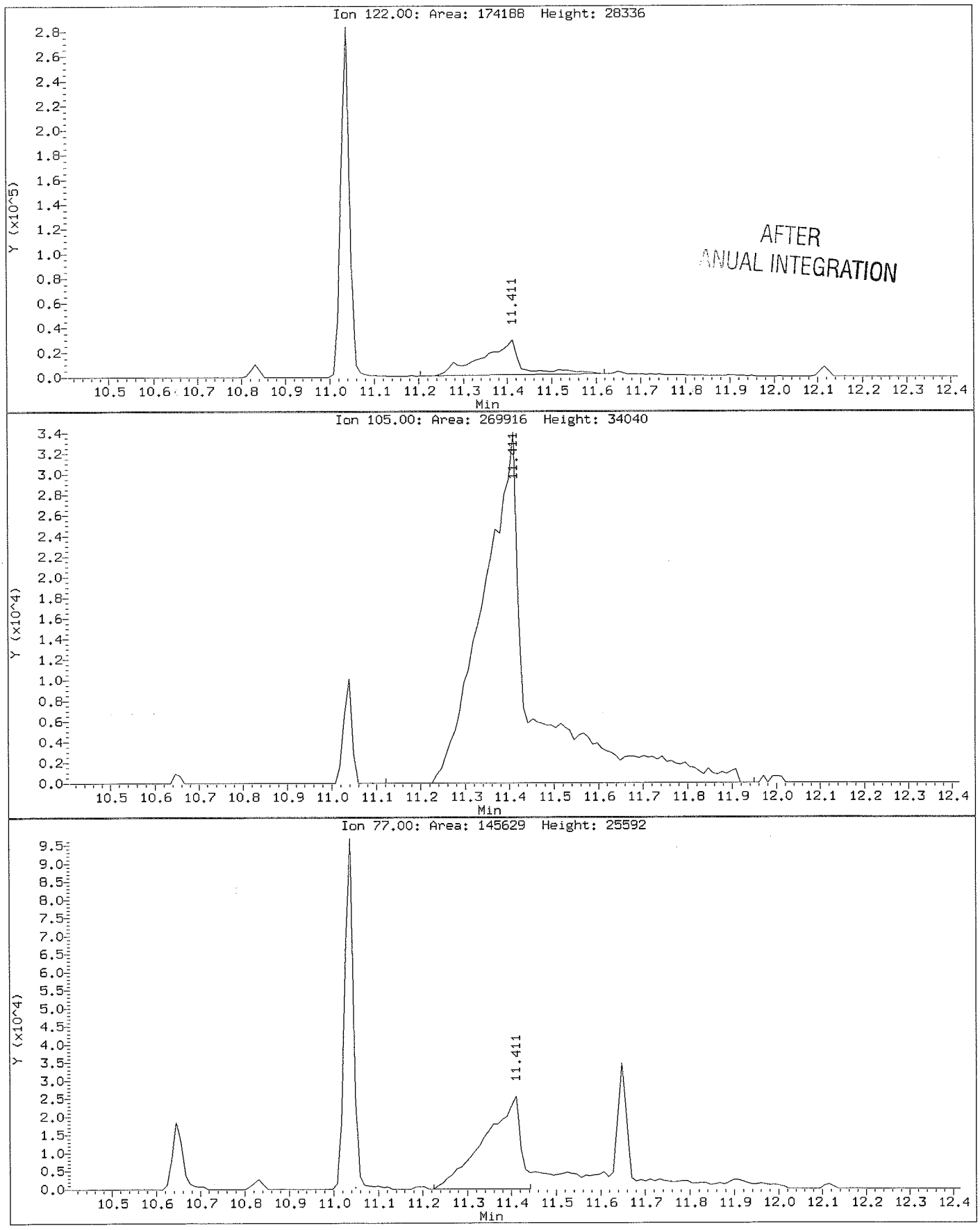
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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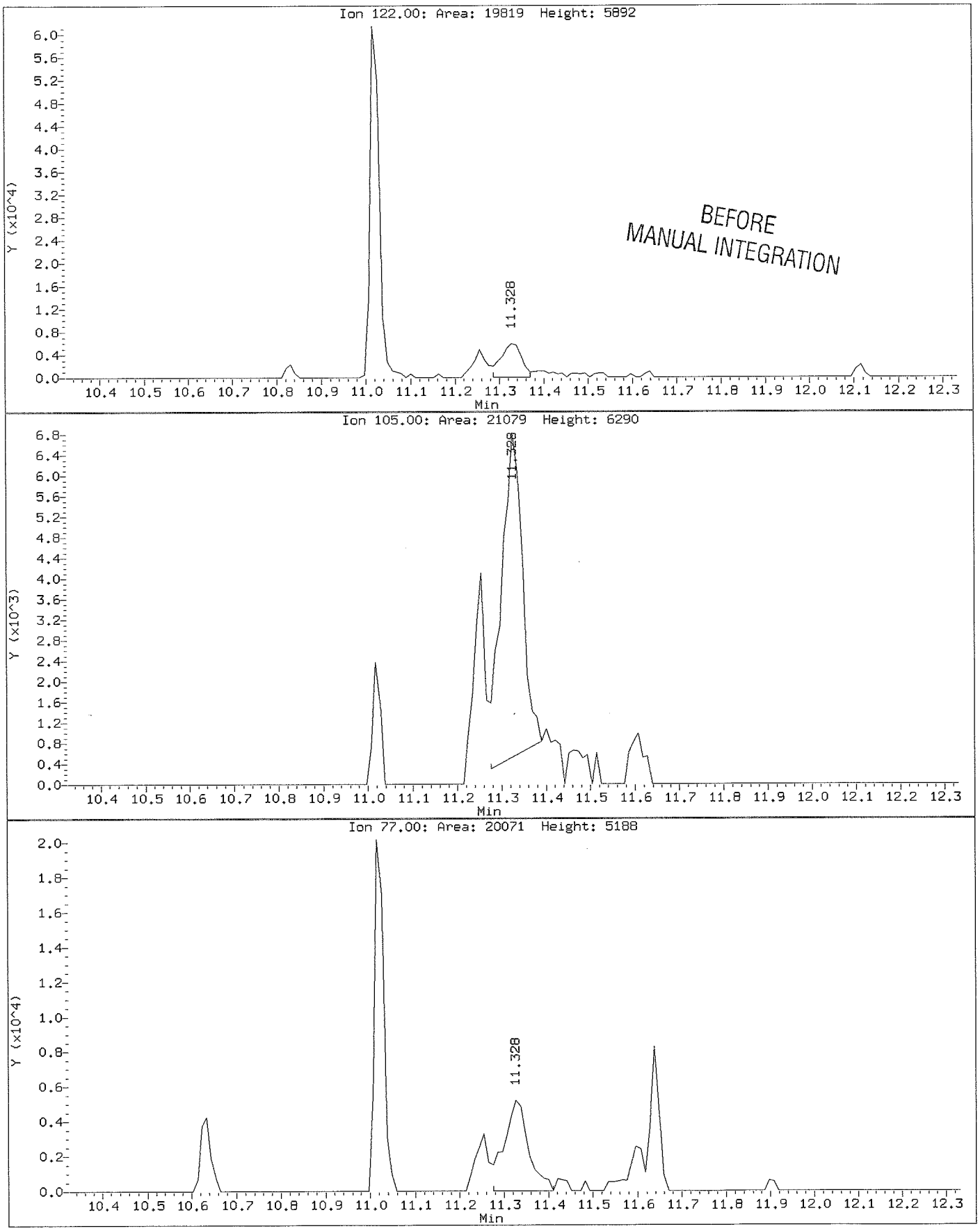
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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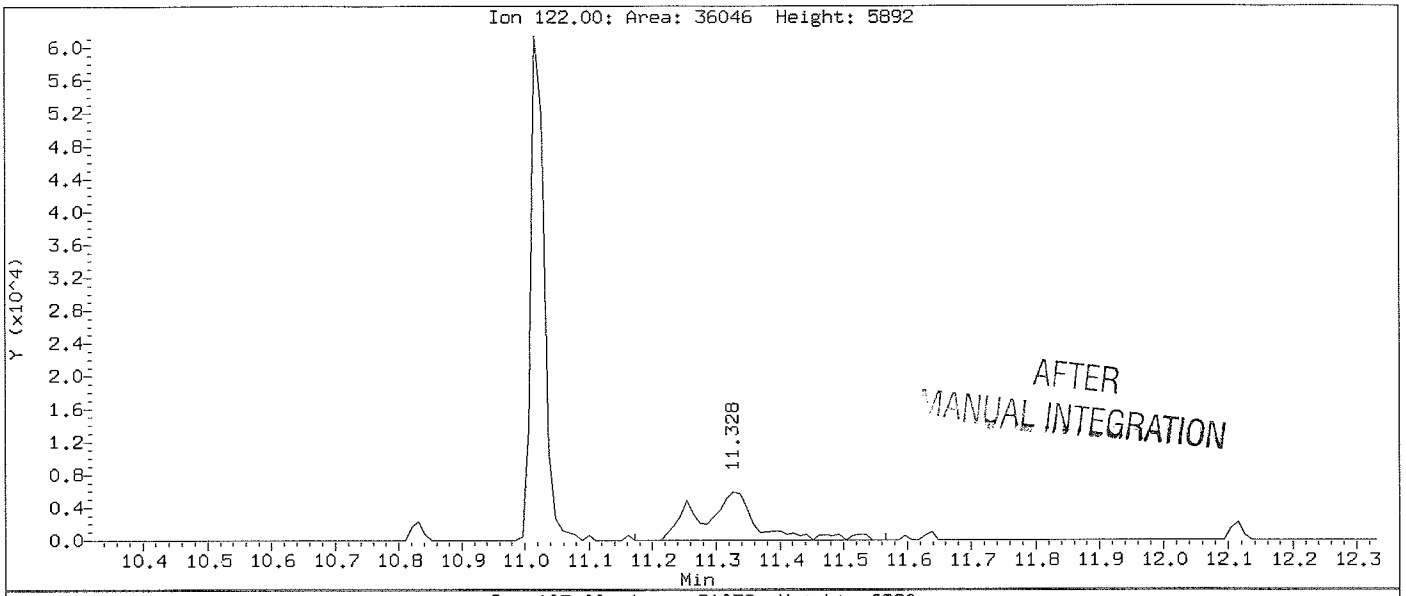
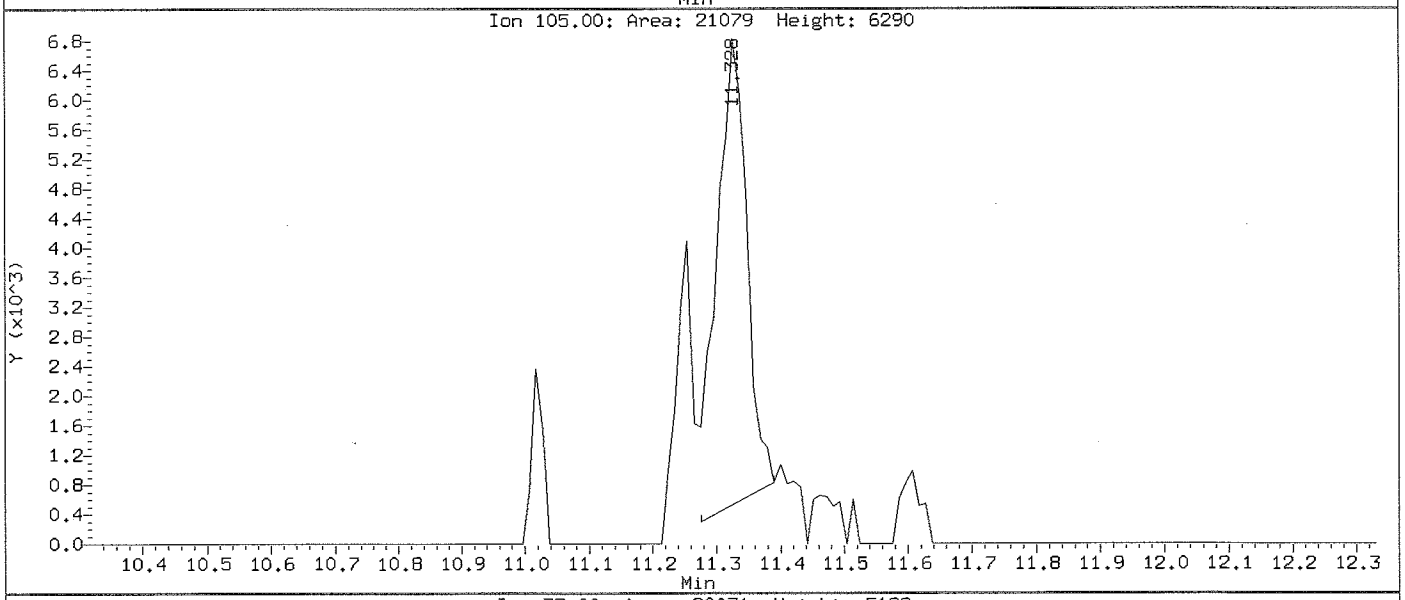
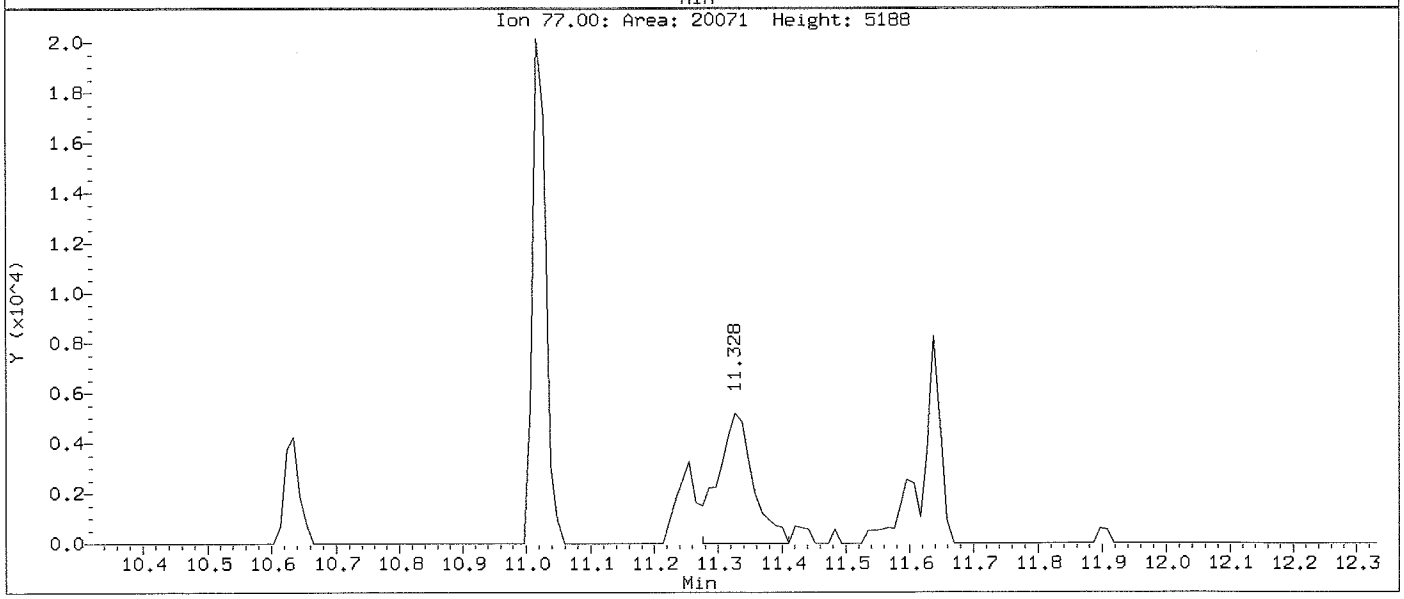
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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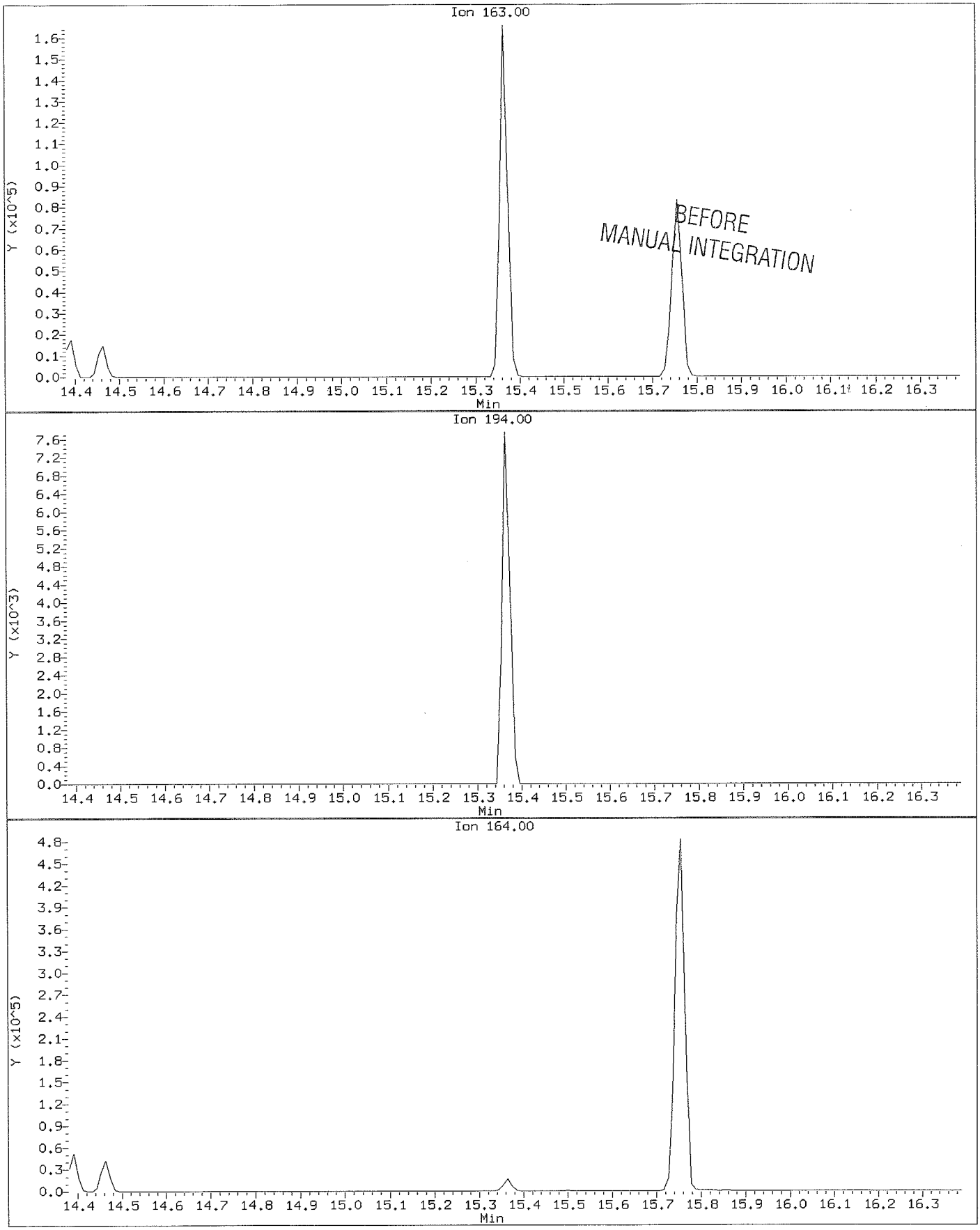
Instrument: gcms-u.i
Client Sample ID:

Compound: Dimethyl Phthalate
CAS Number: 131-11-3



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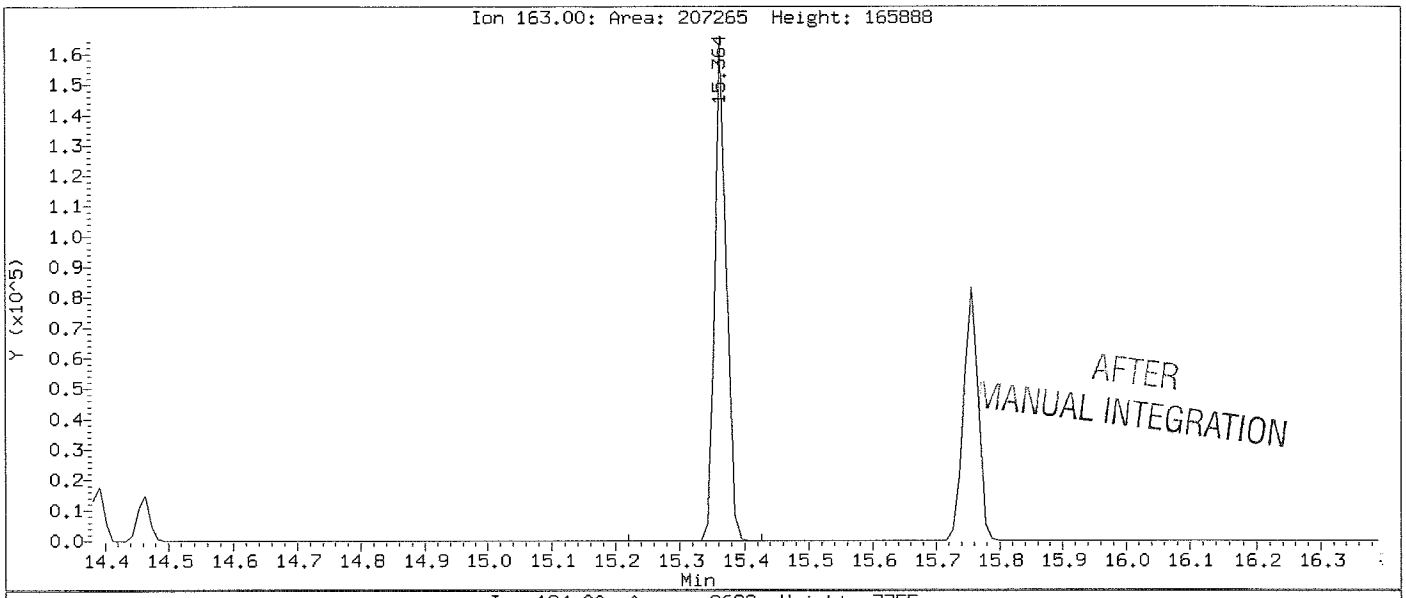
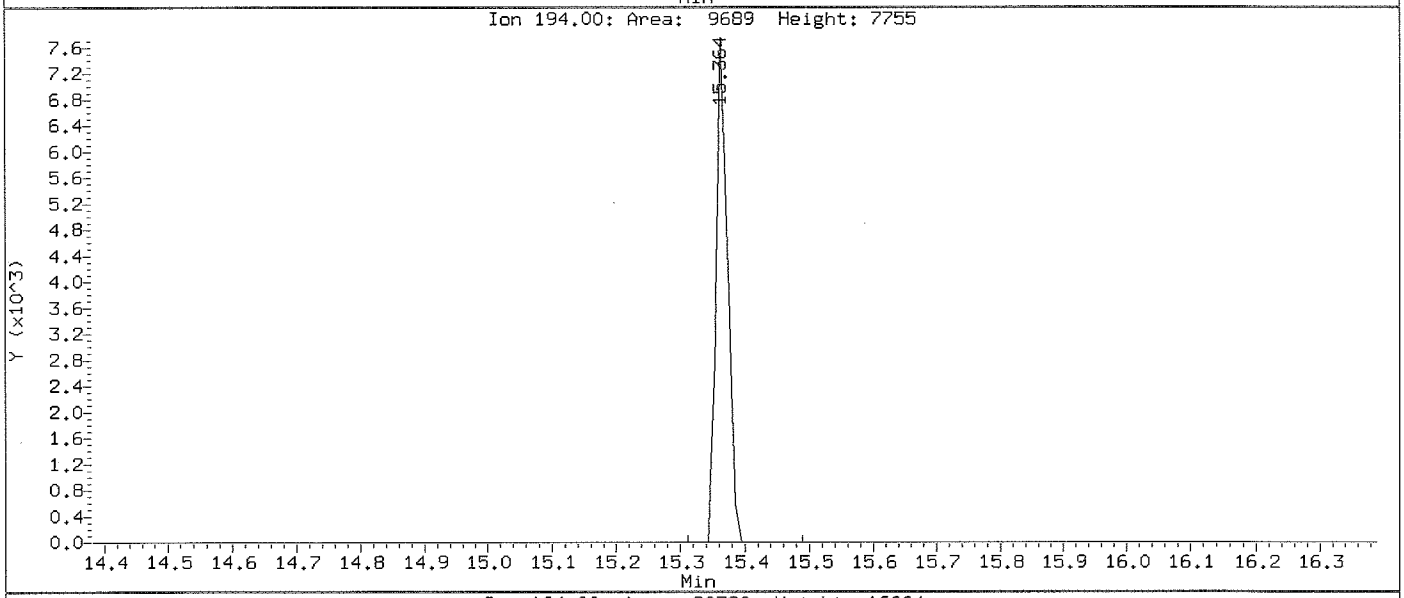
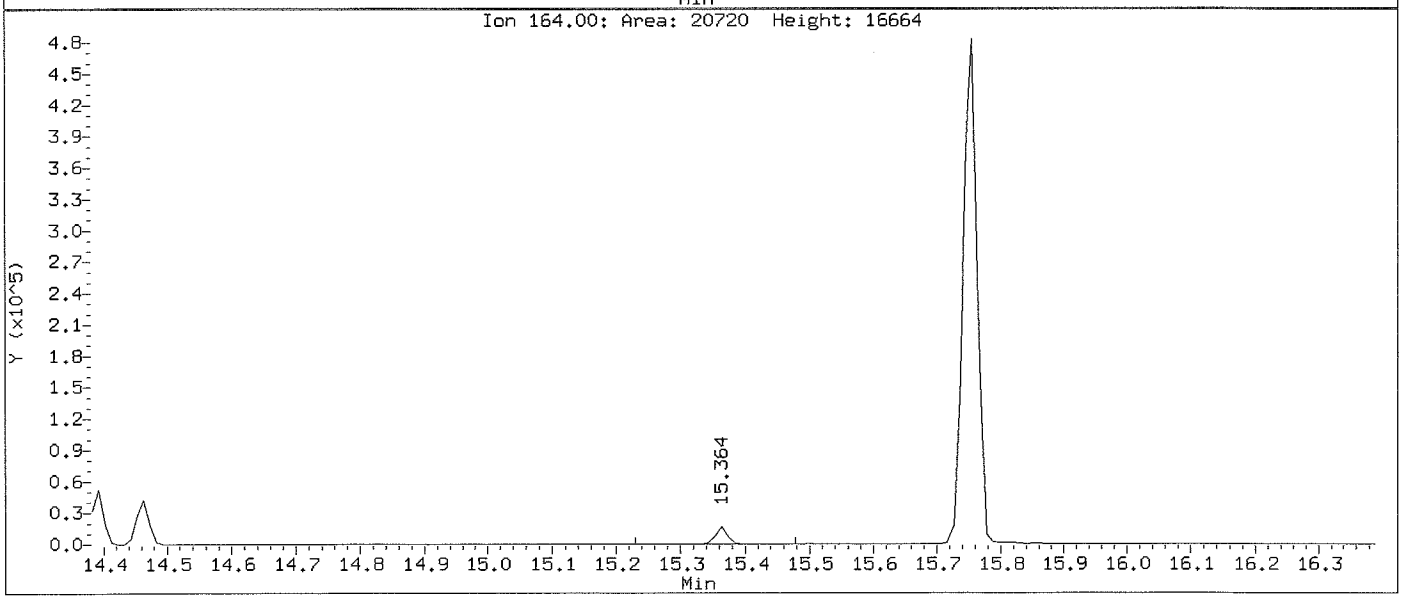
Instrument: gcms-u.i
Client Sample ID:

Compound: Dimethyl Phthalate
CAS Number: 131-11-3







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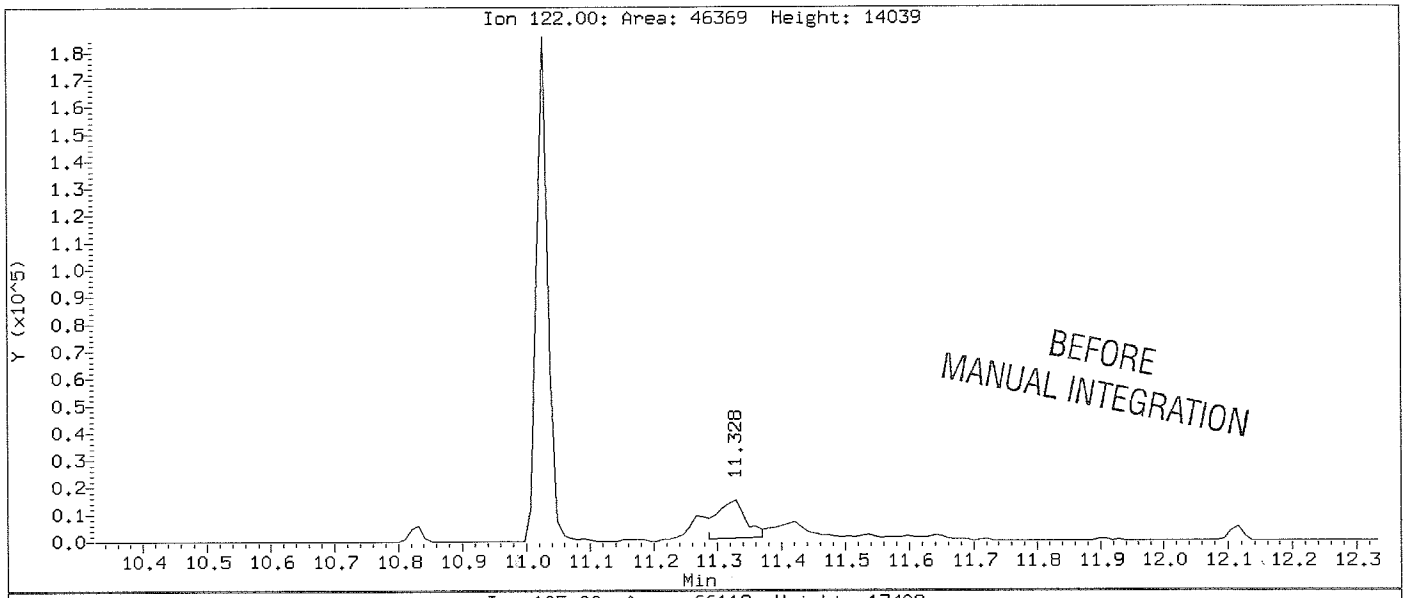
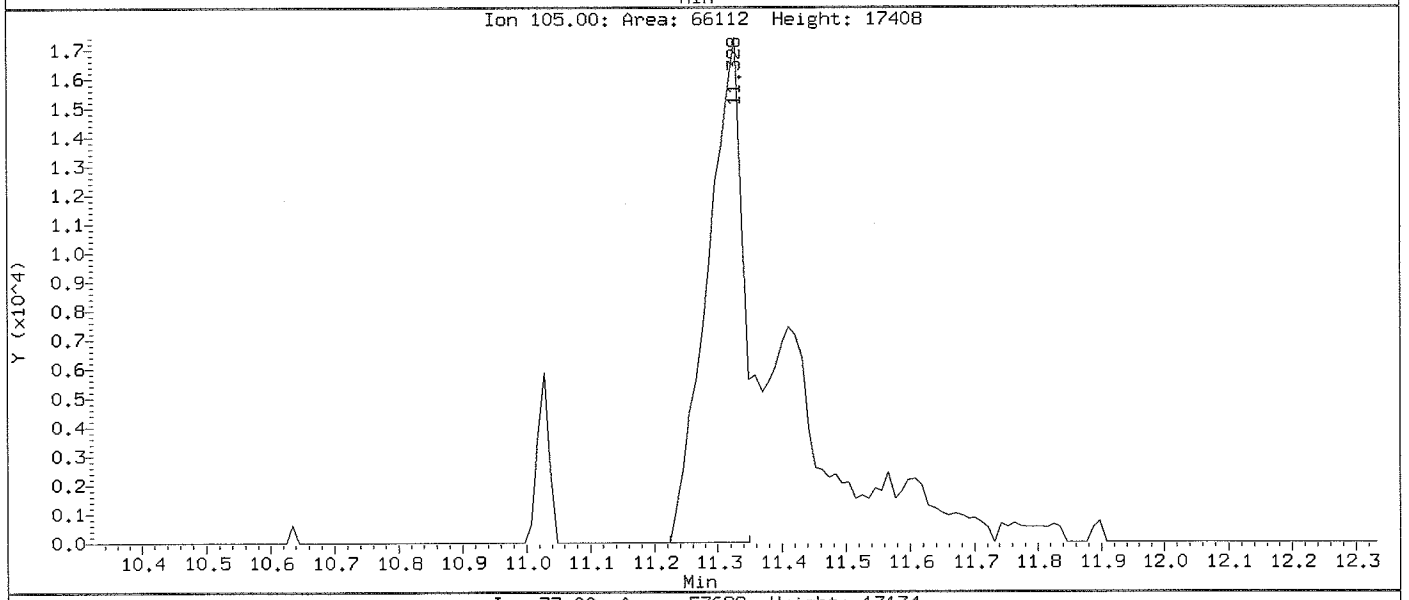
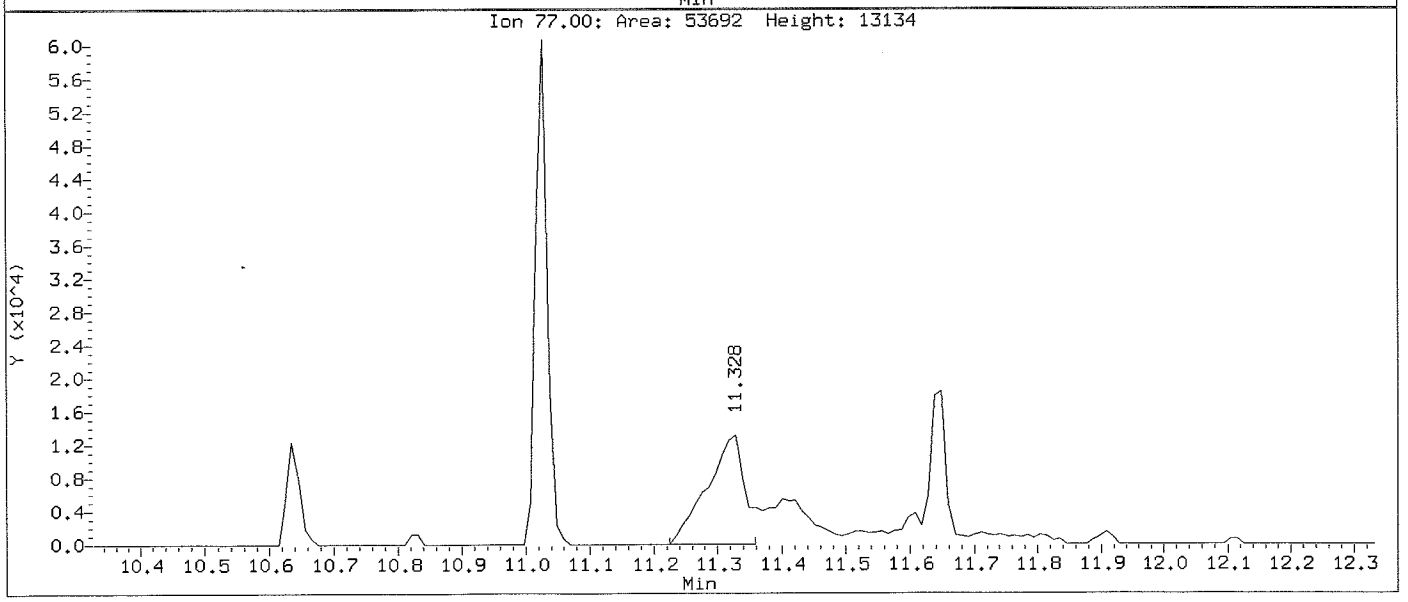
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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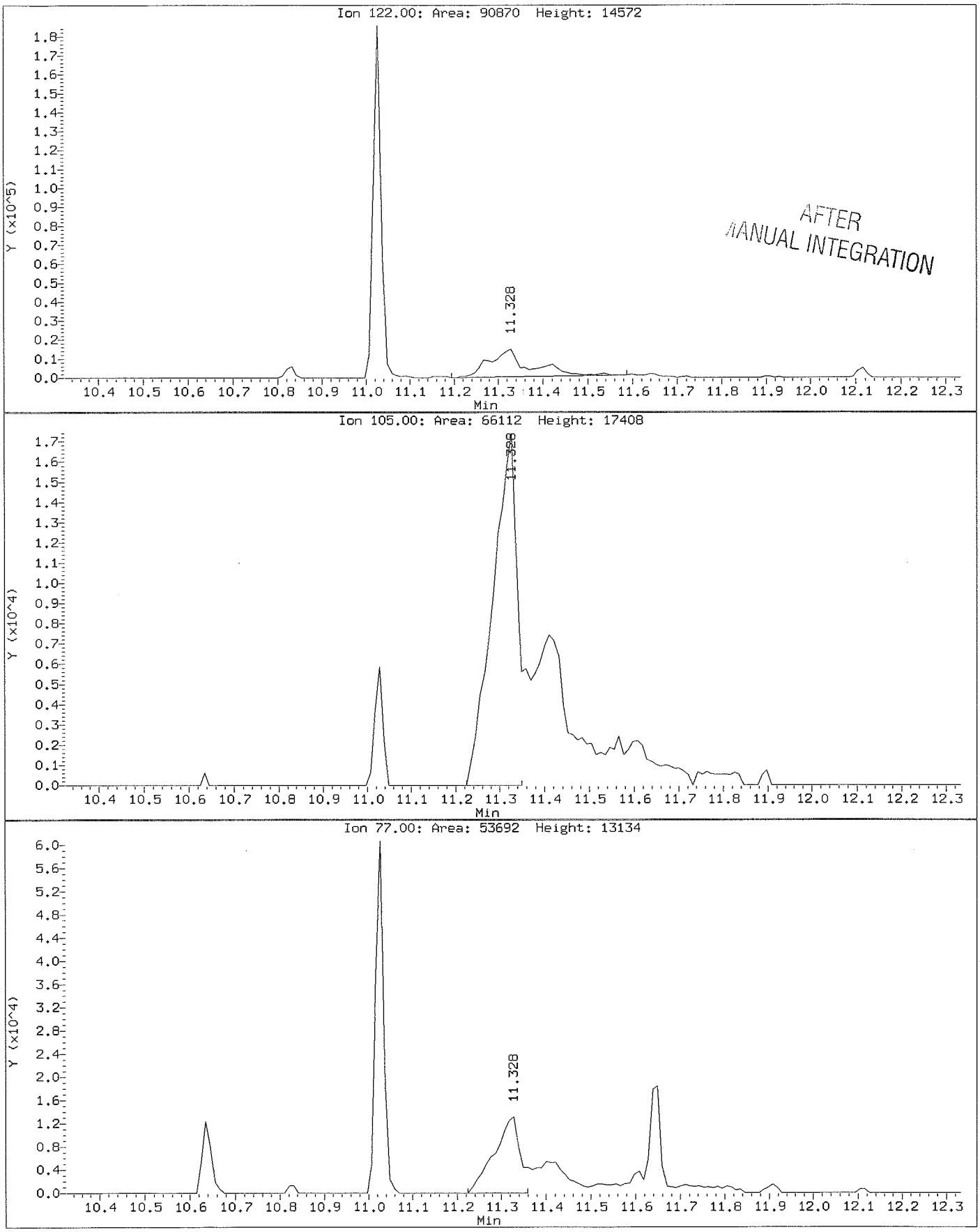
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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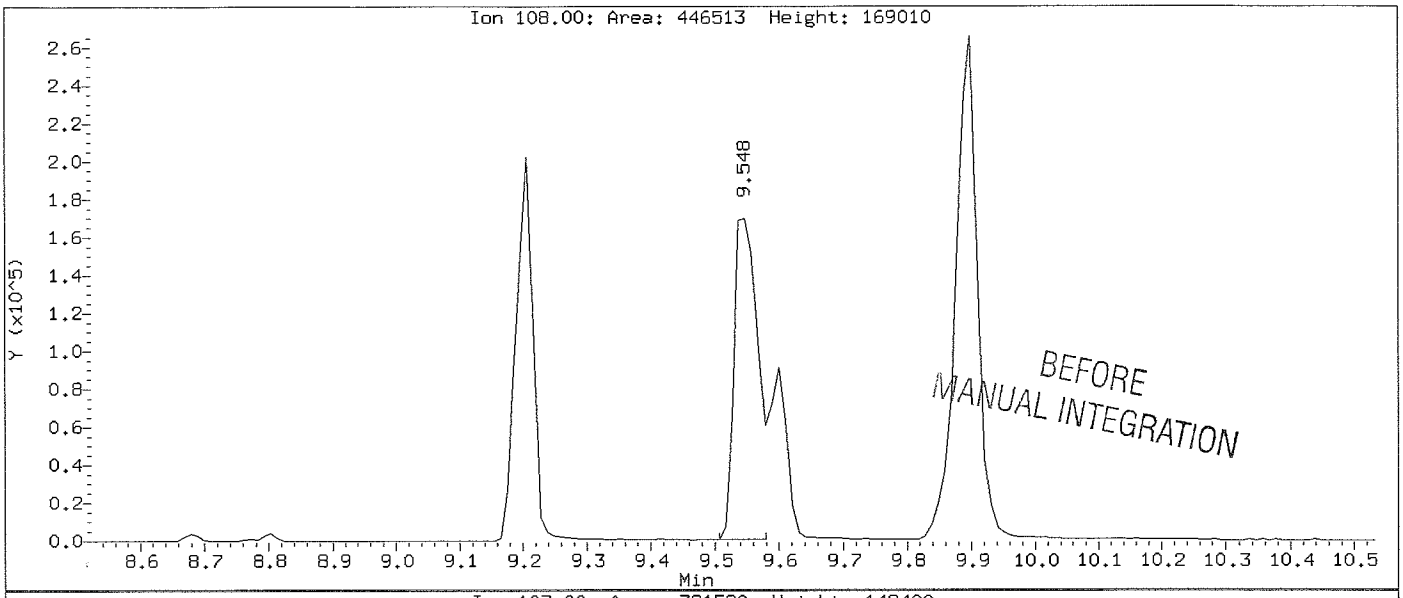
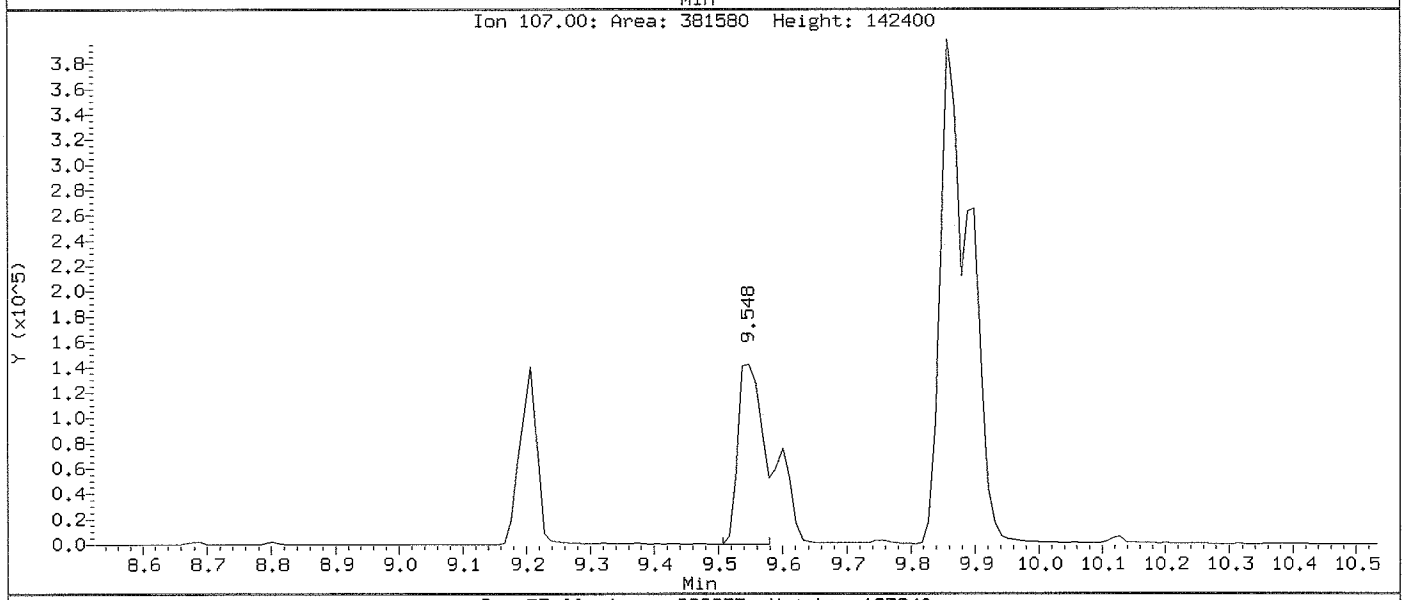
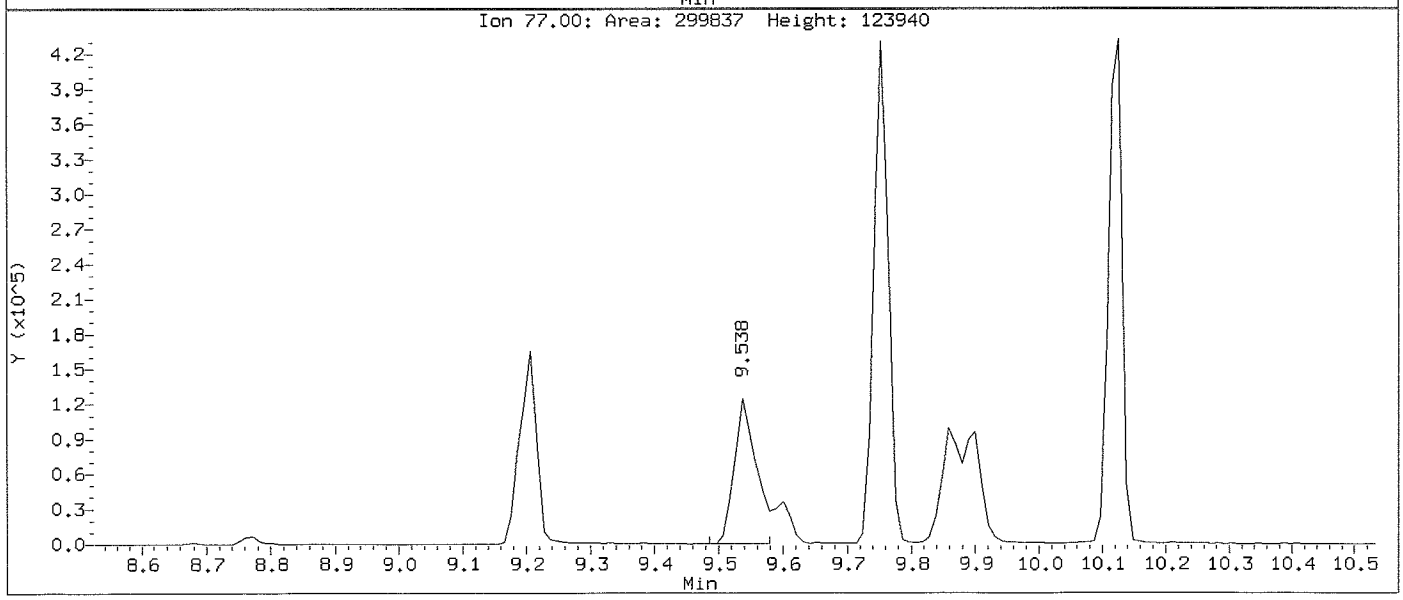
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







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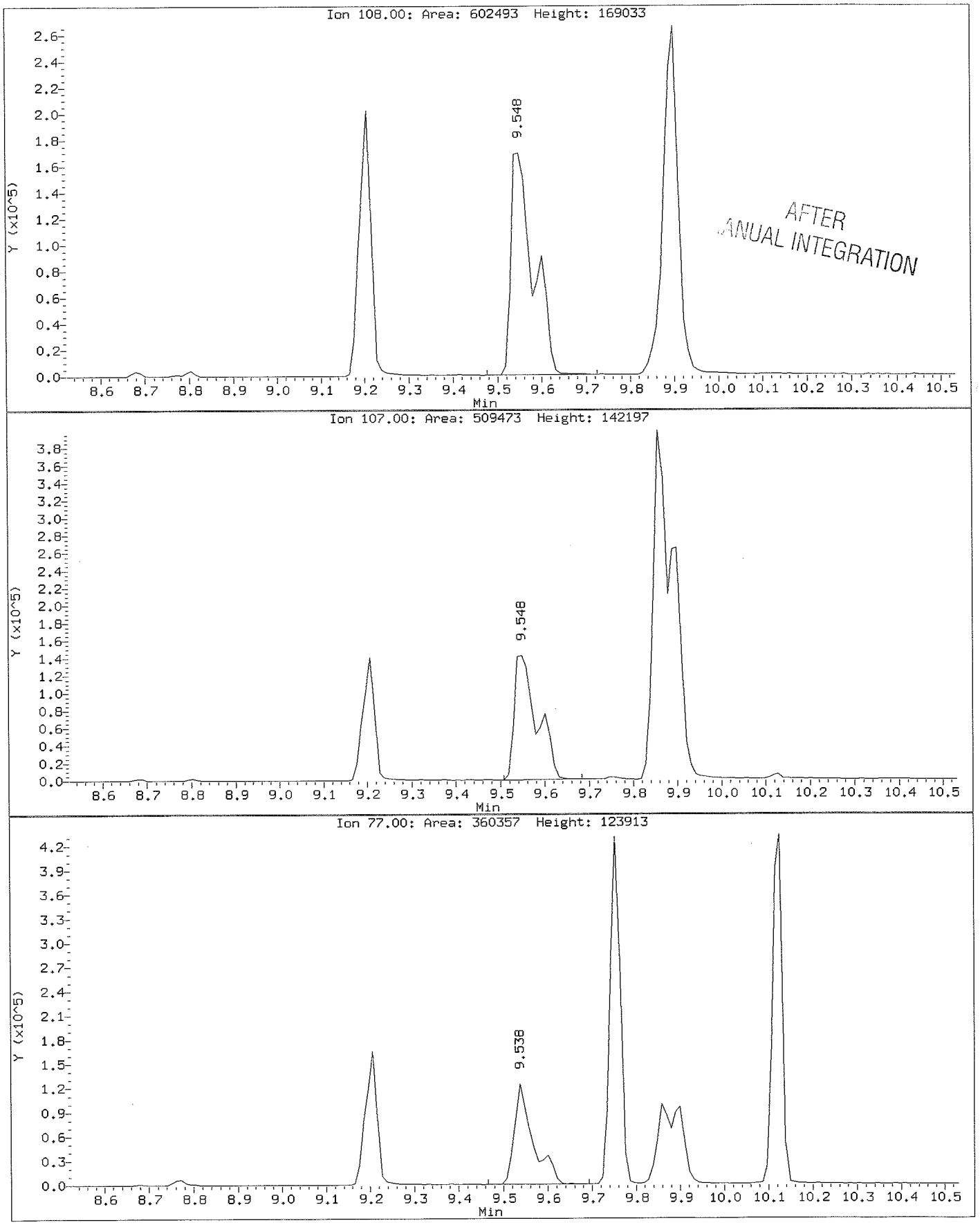
Injection Date: 23-MAY-2011 14:15
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



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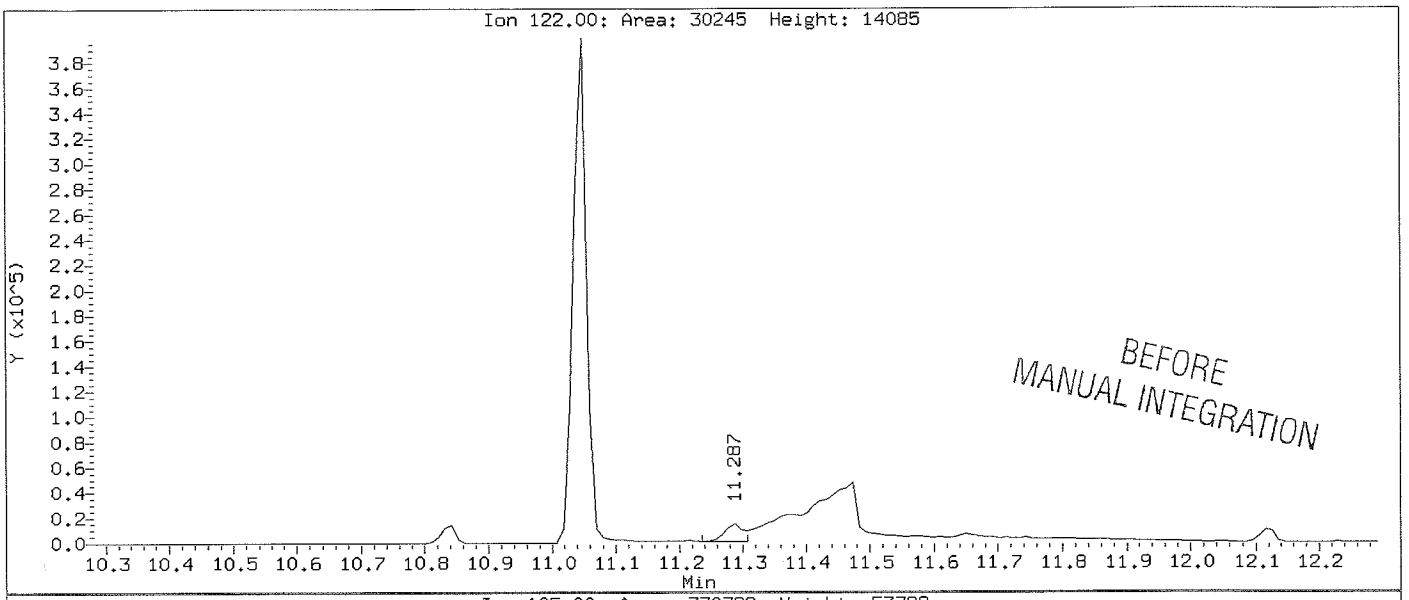
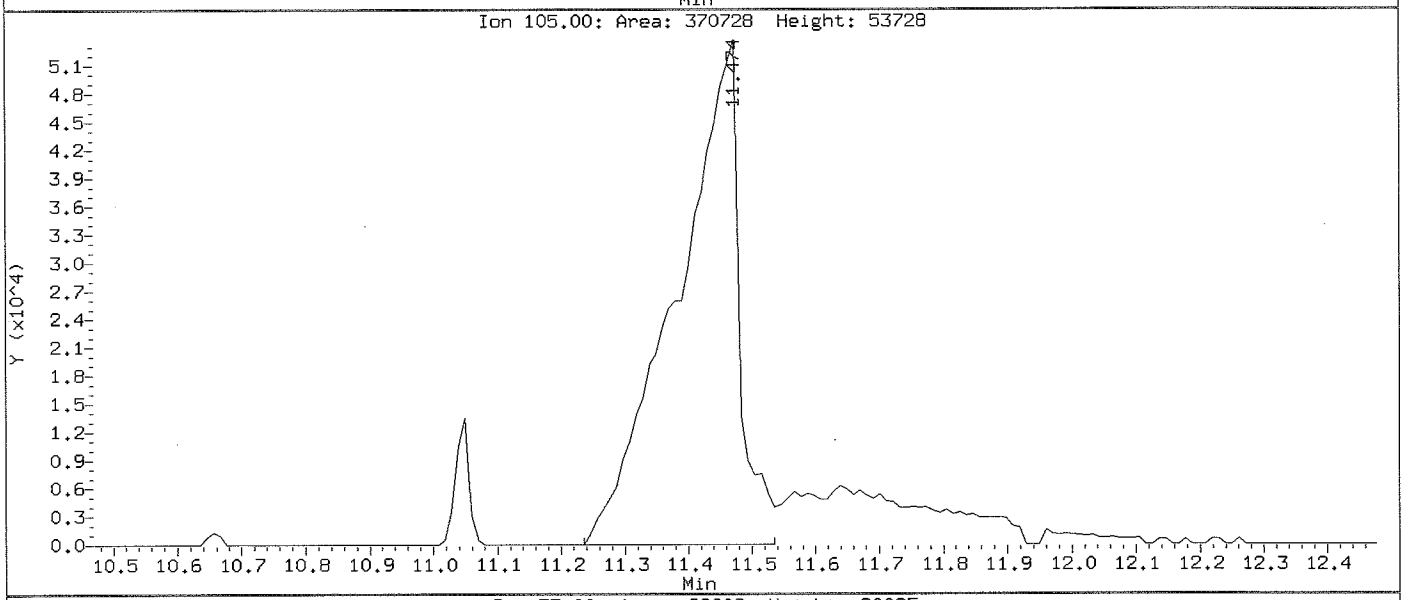
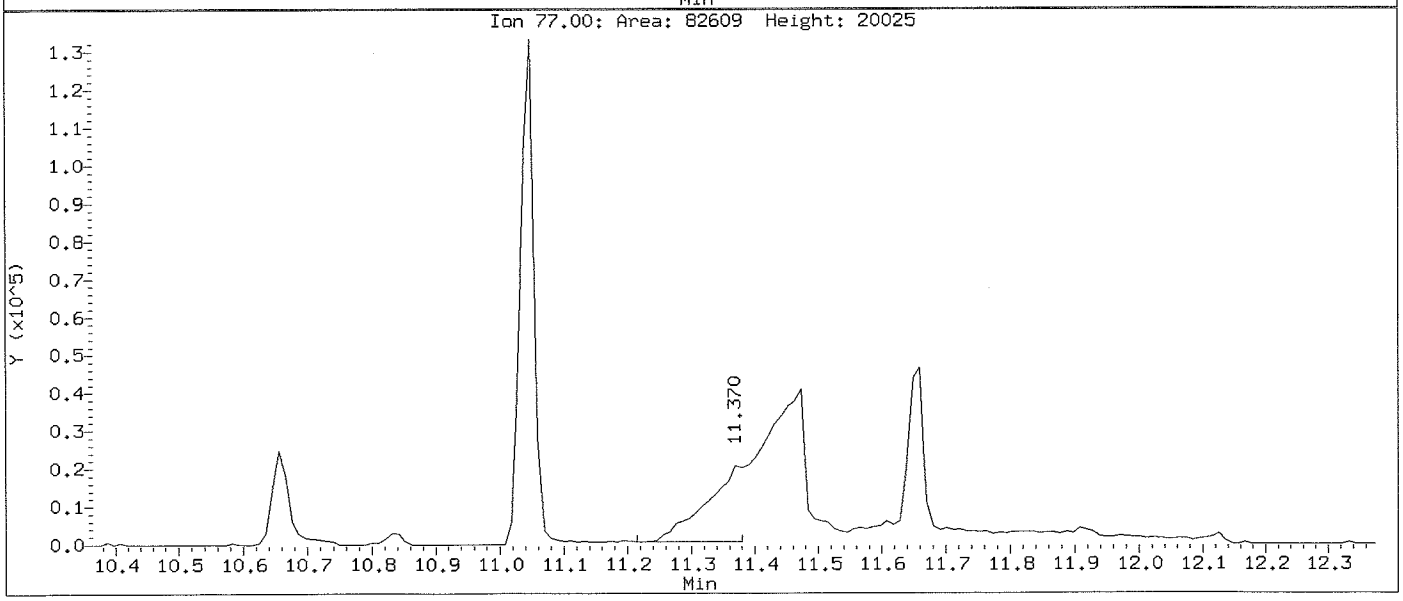
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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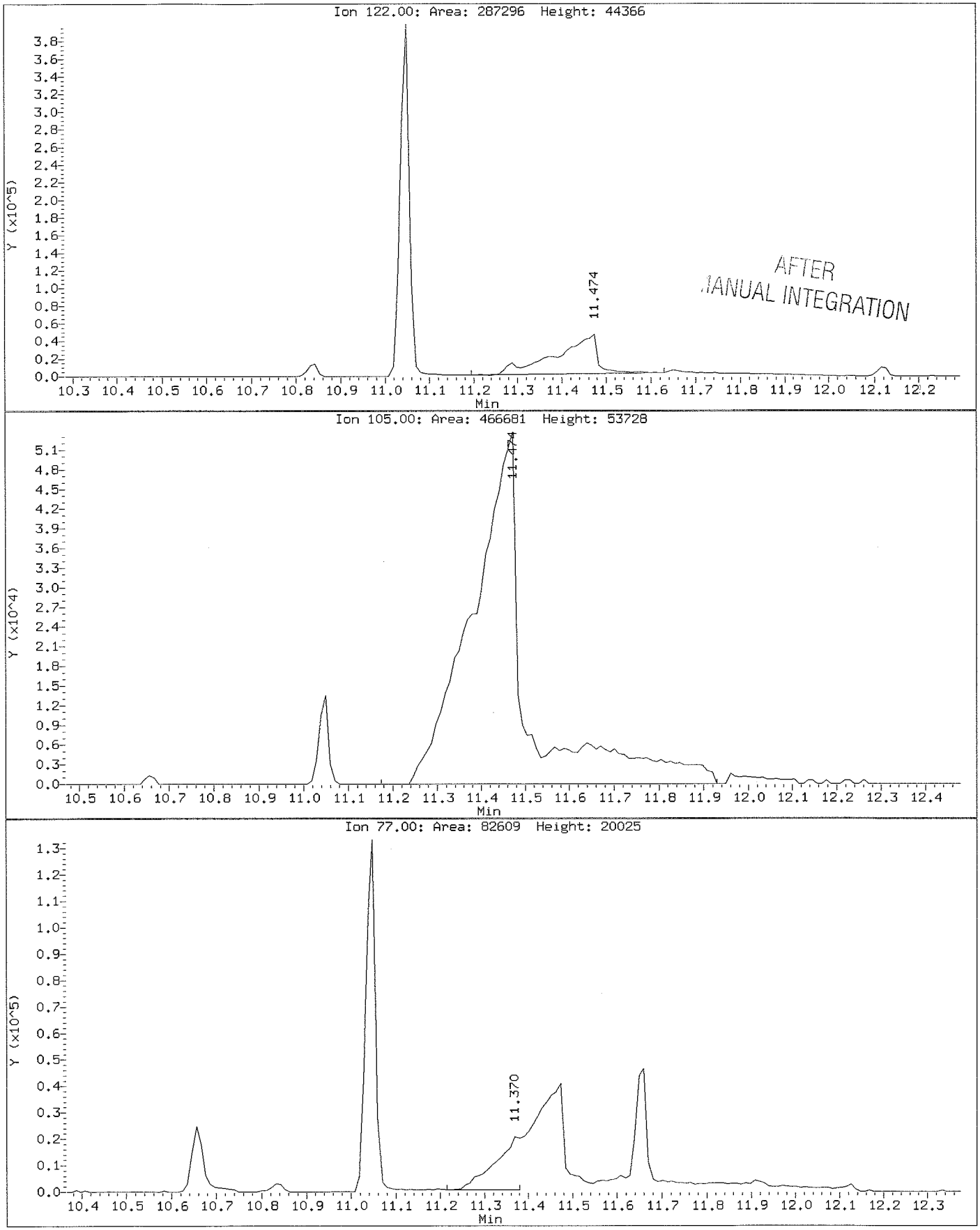
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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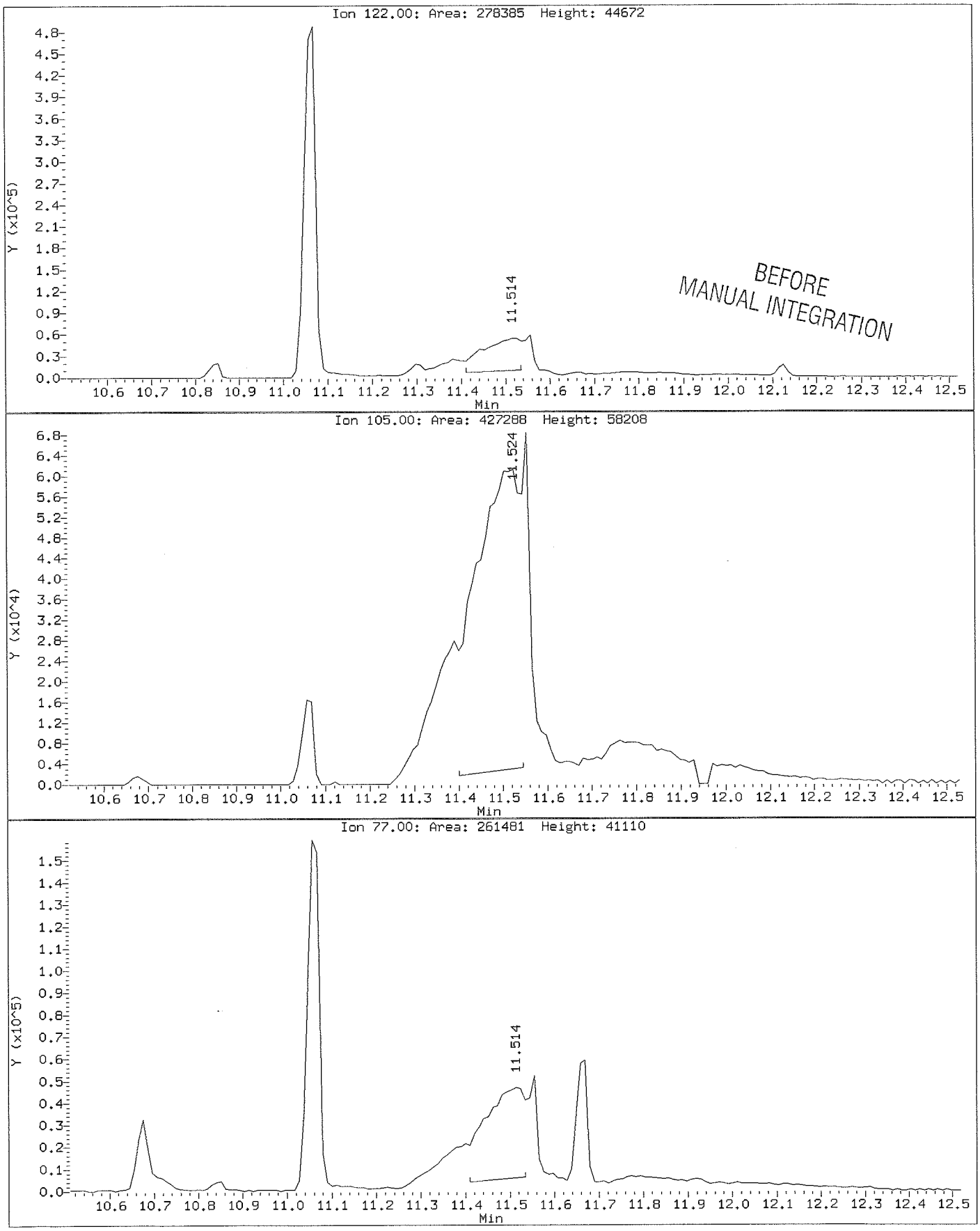
Injection Date: 23-MAY-2011 14:59
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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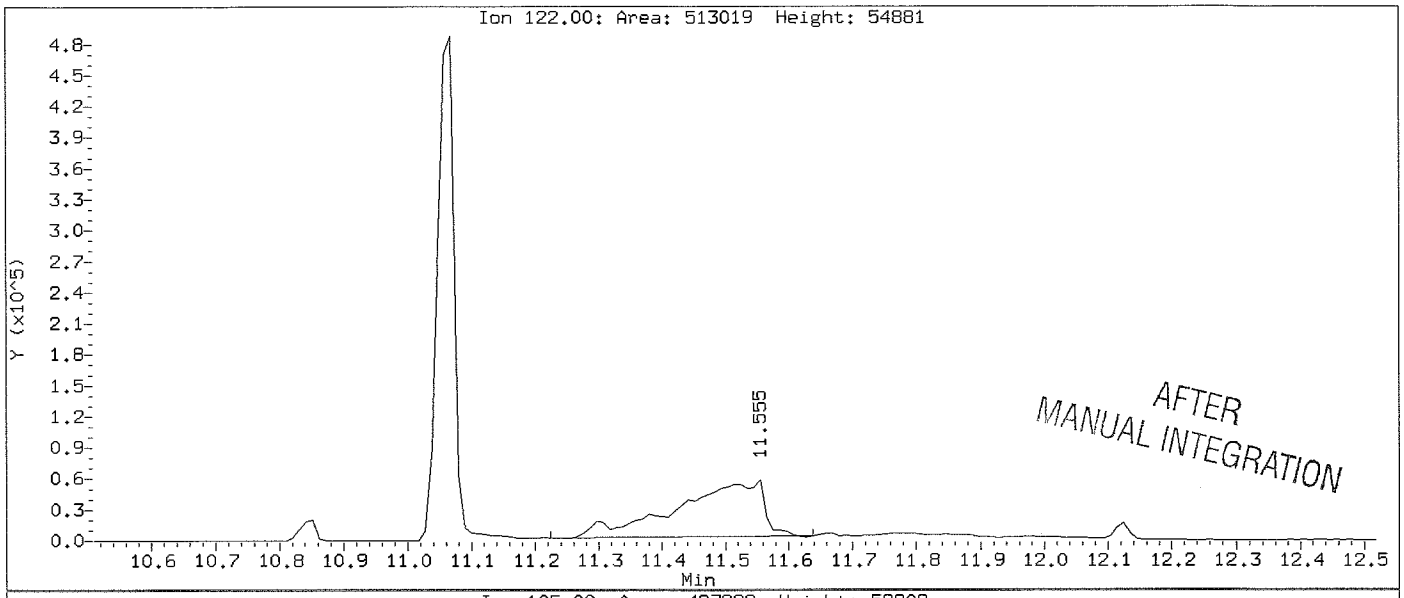
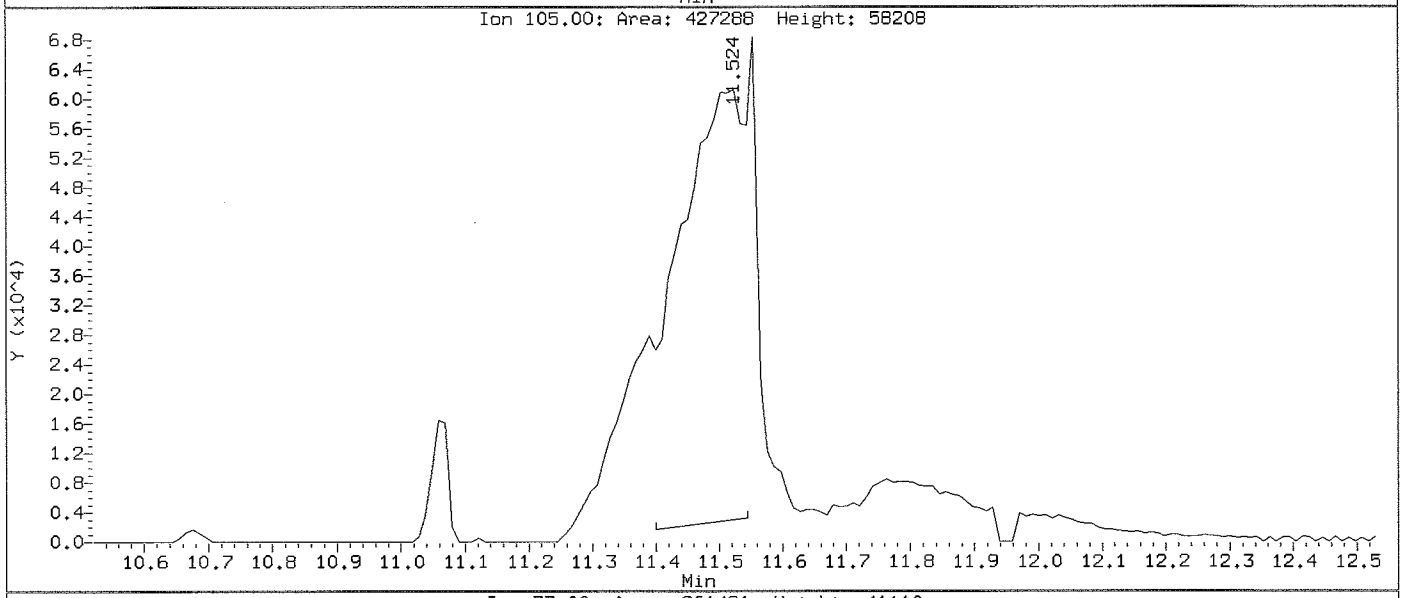
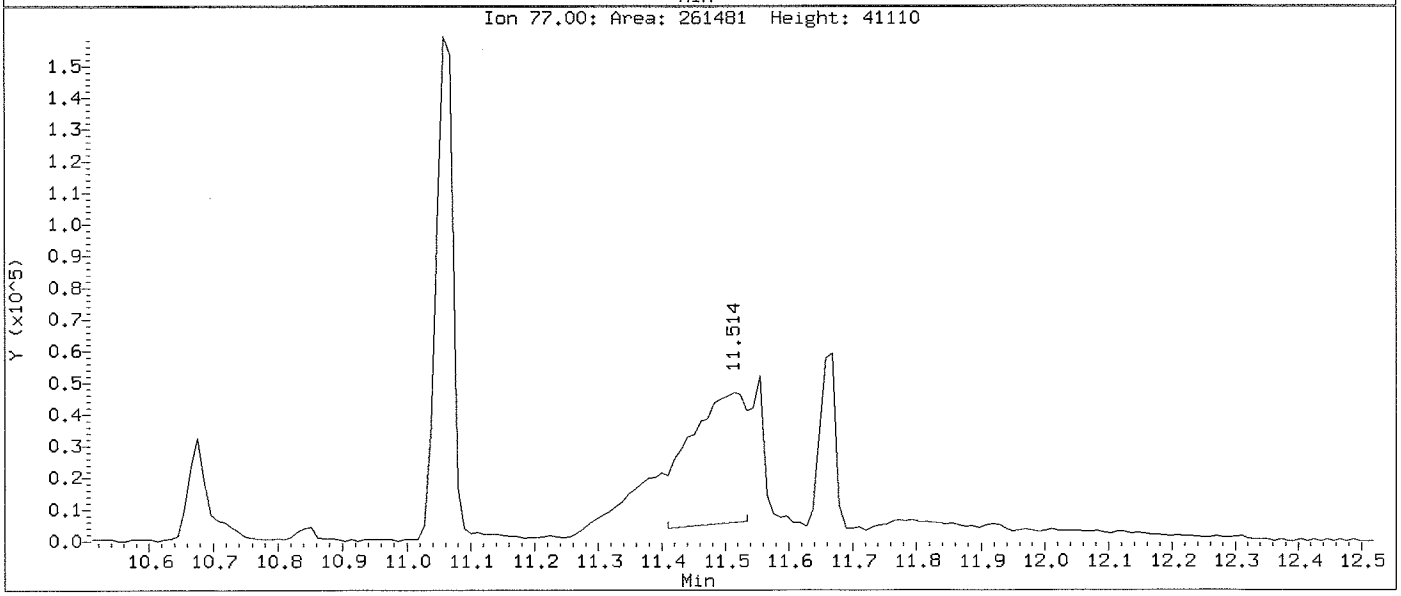
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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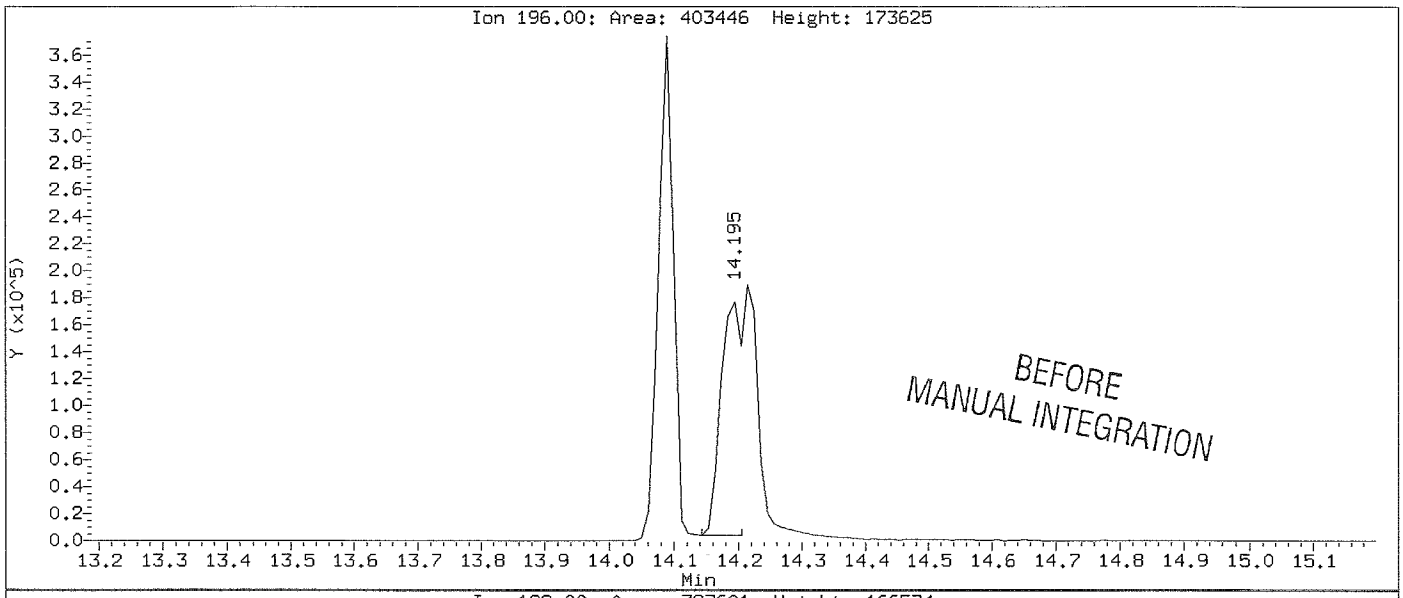
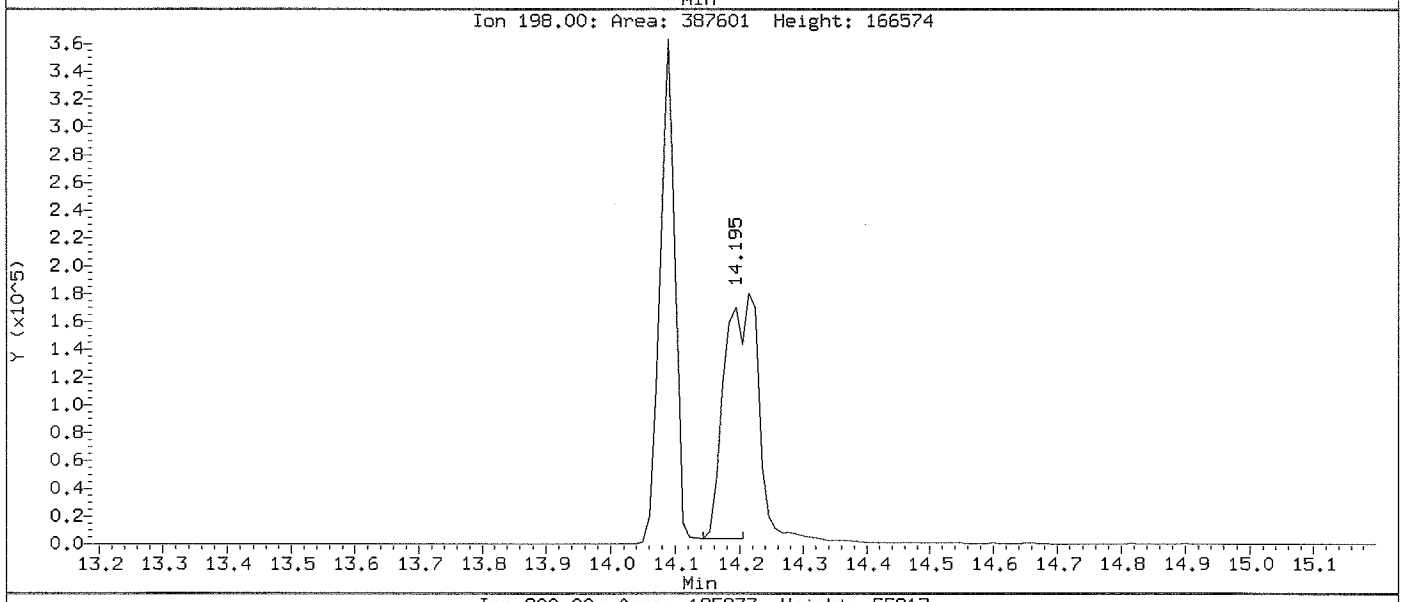
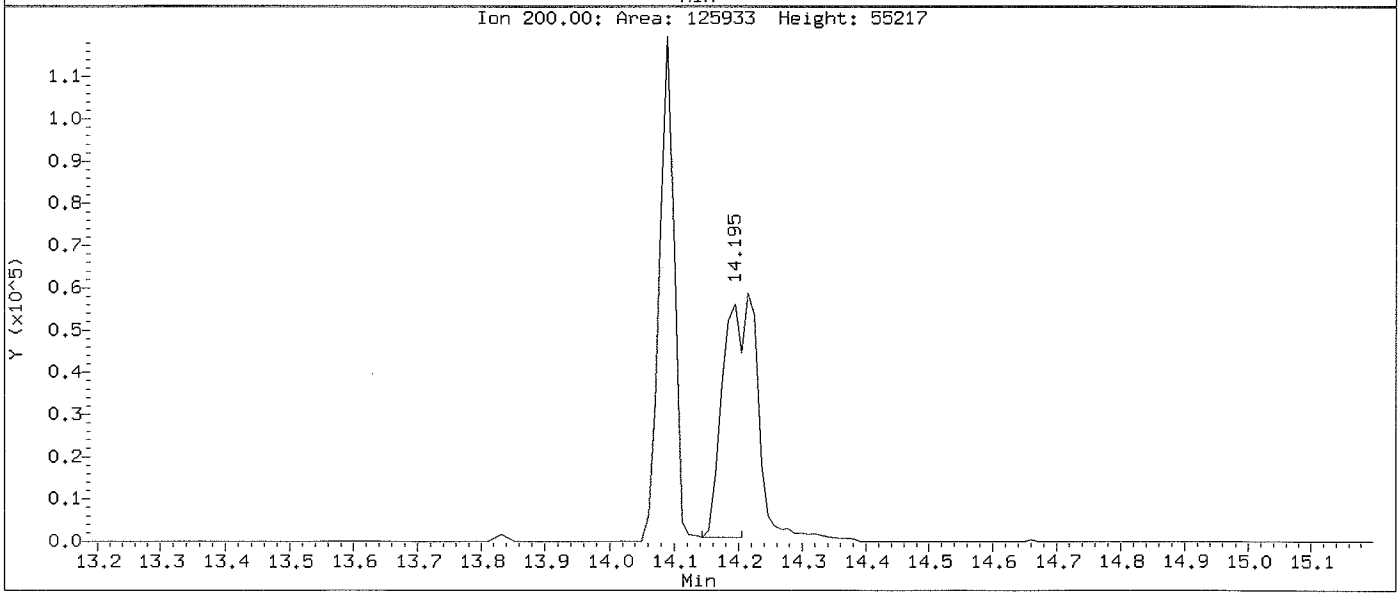
Injection Date: 23-MAY-2011 14:59
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4







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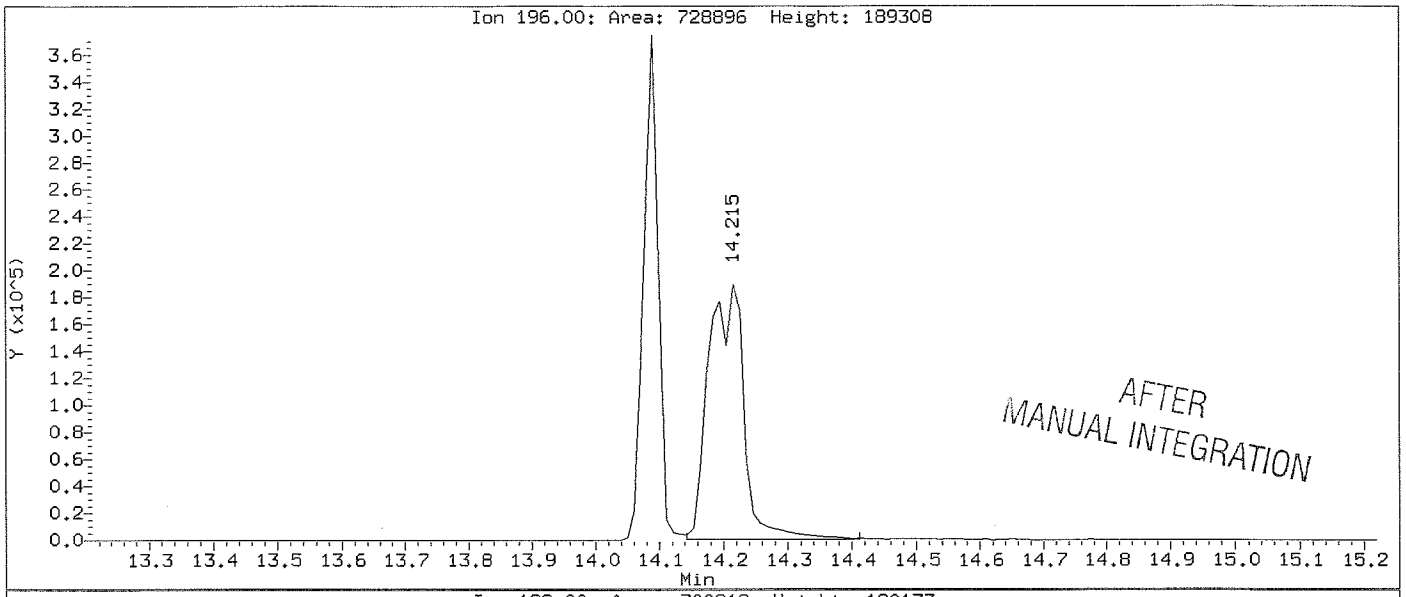
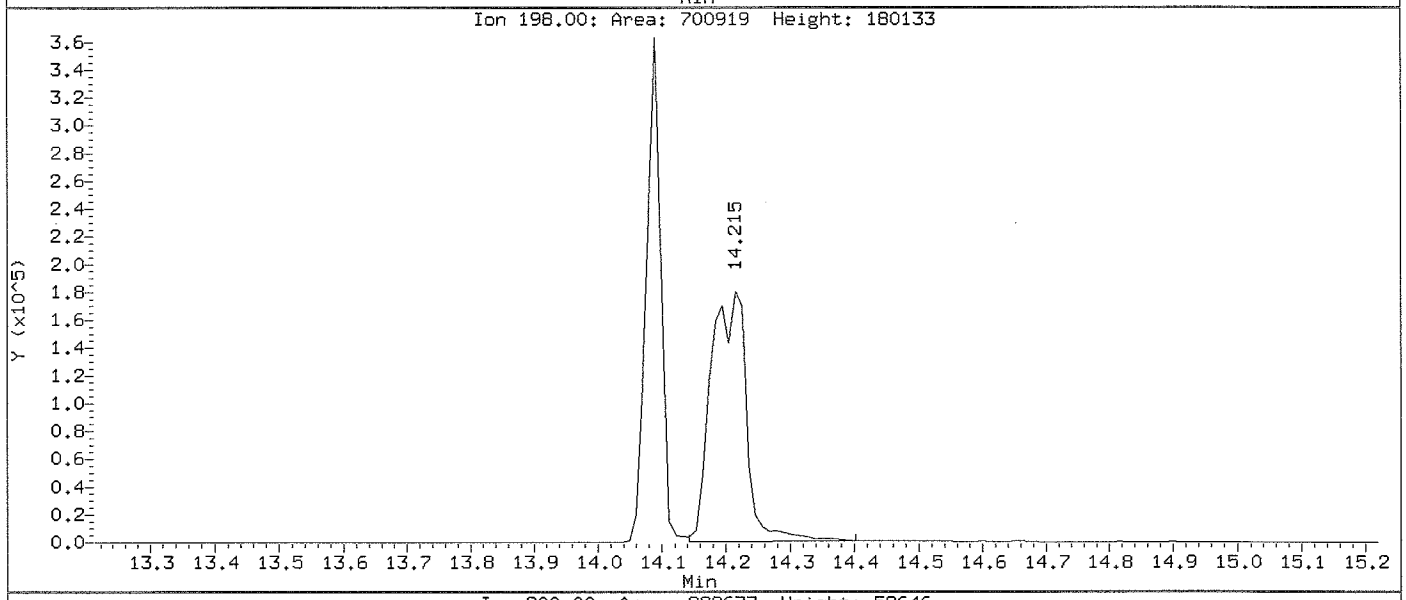
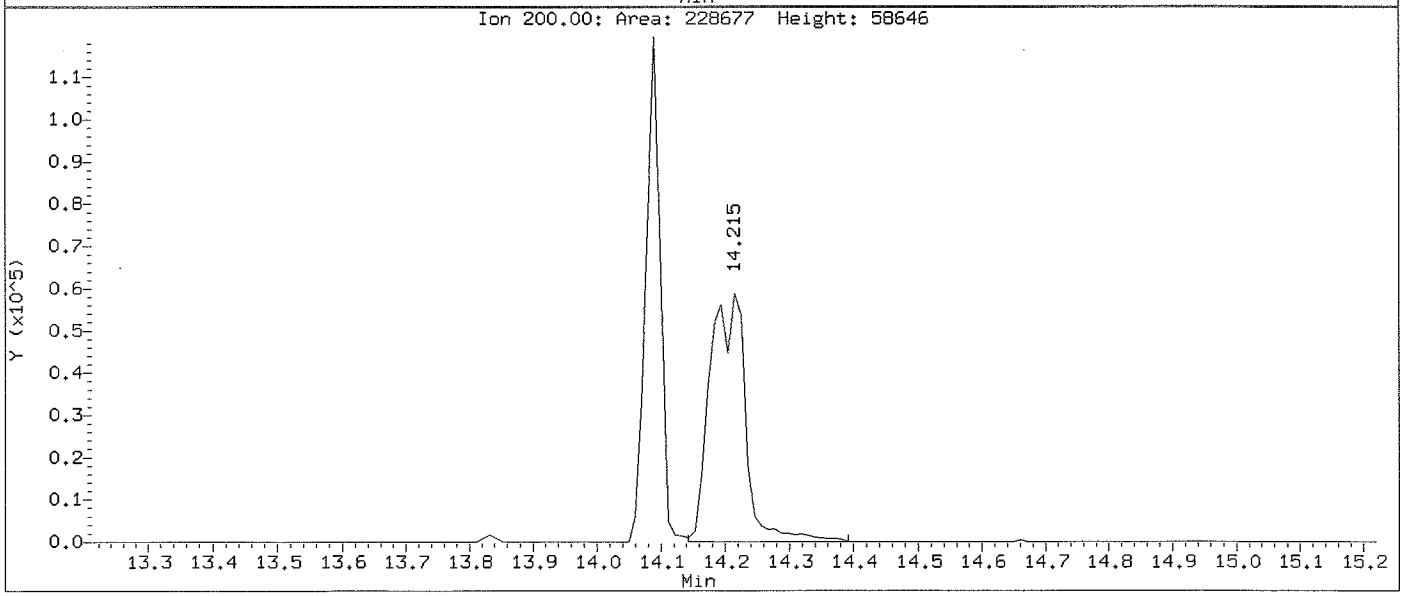
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4







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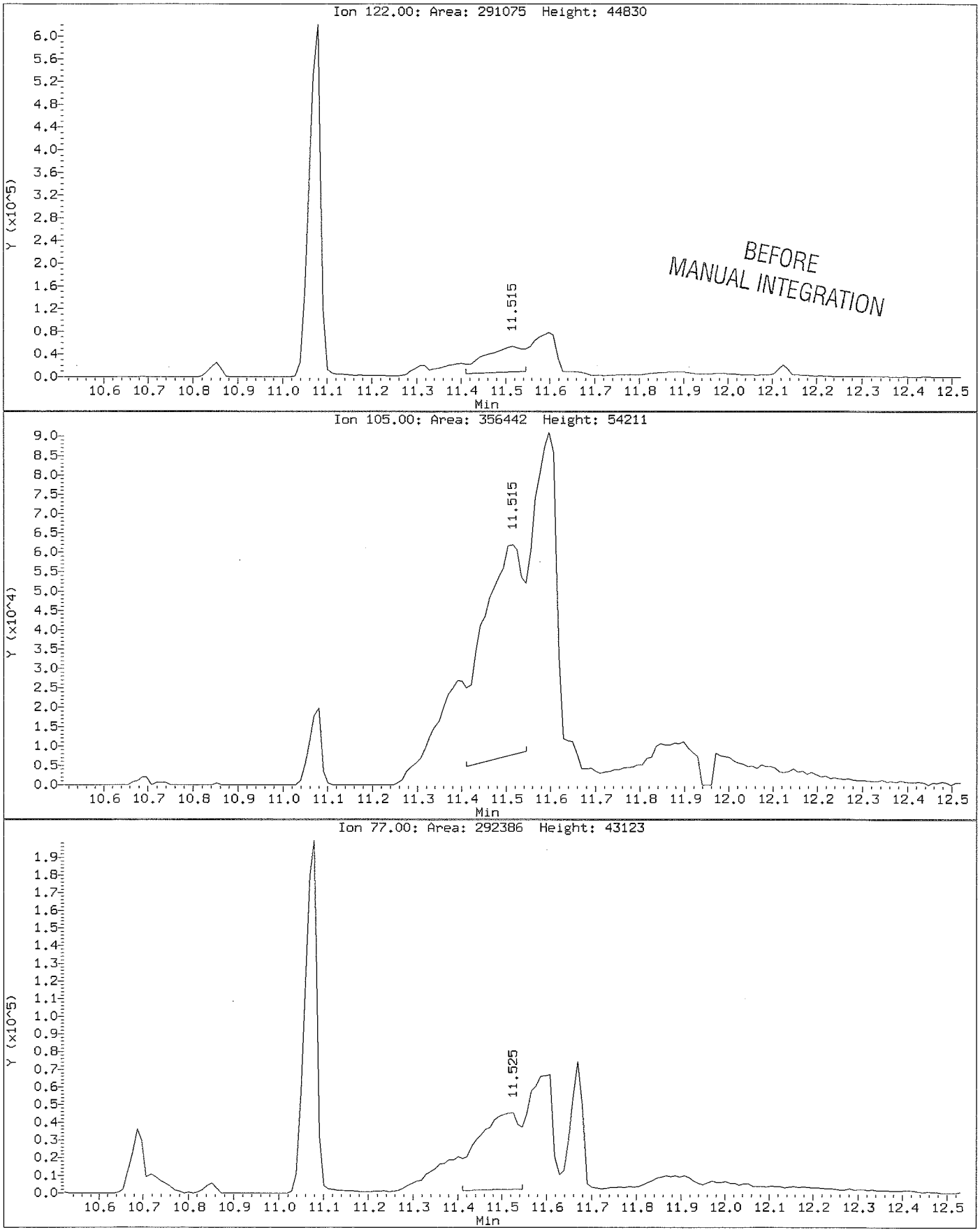
Injection Date: 23-MAY-2011 15:43
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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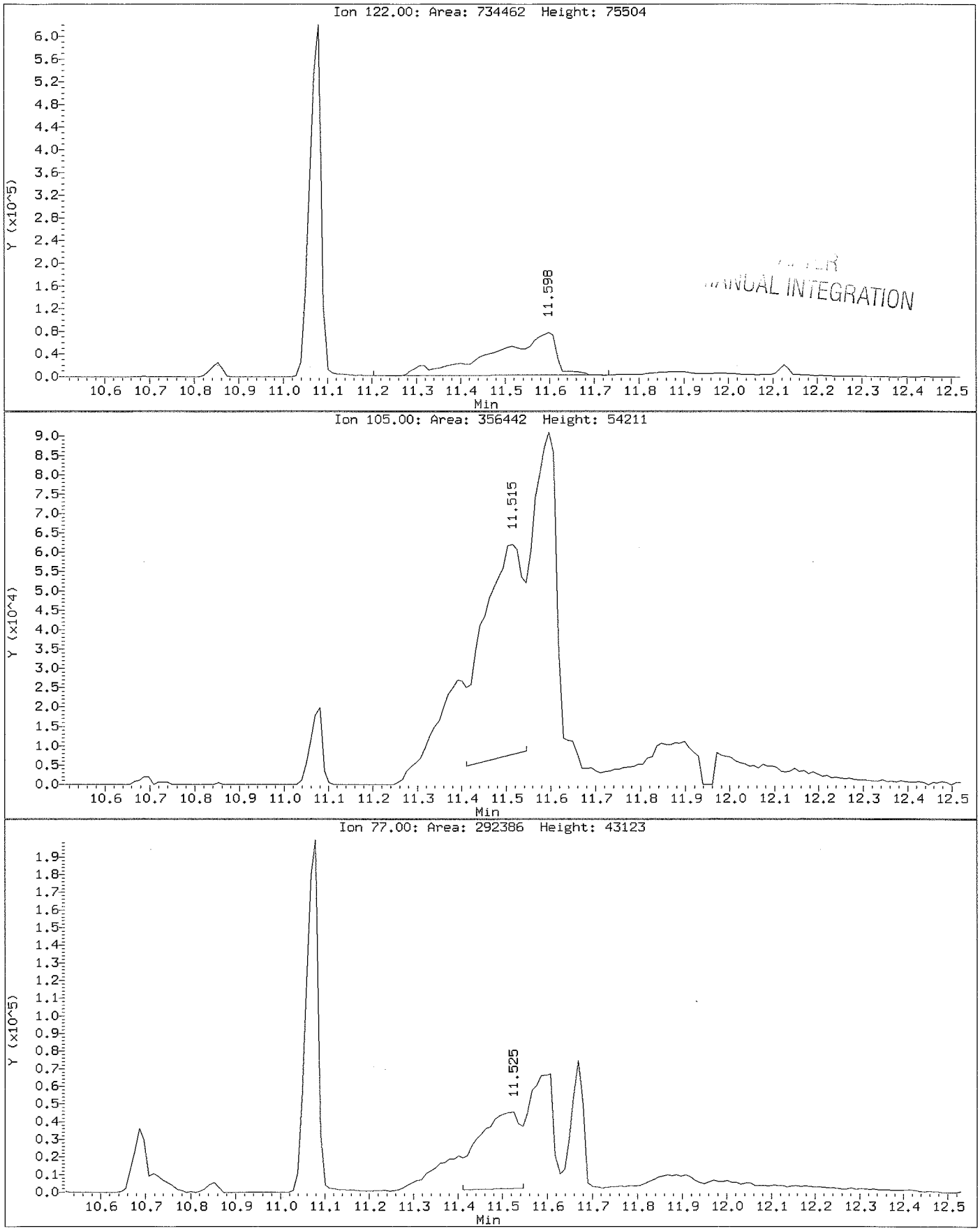
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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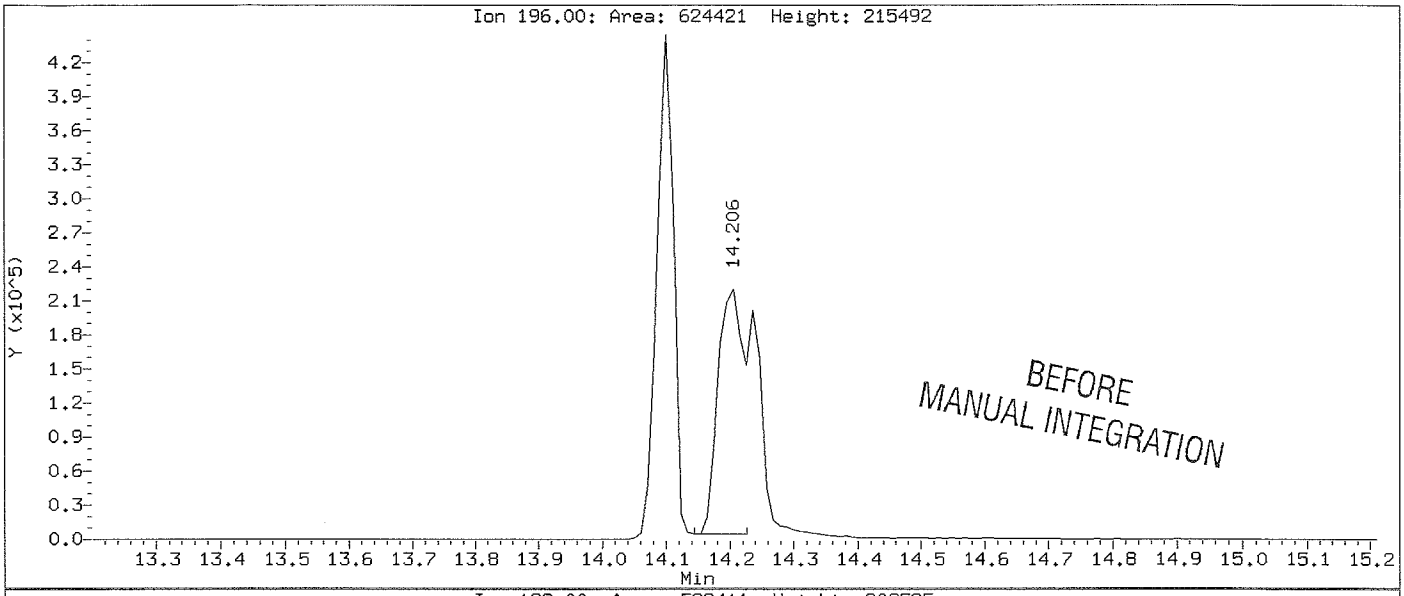
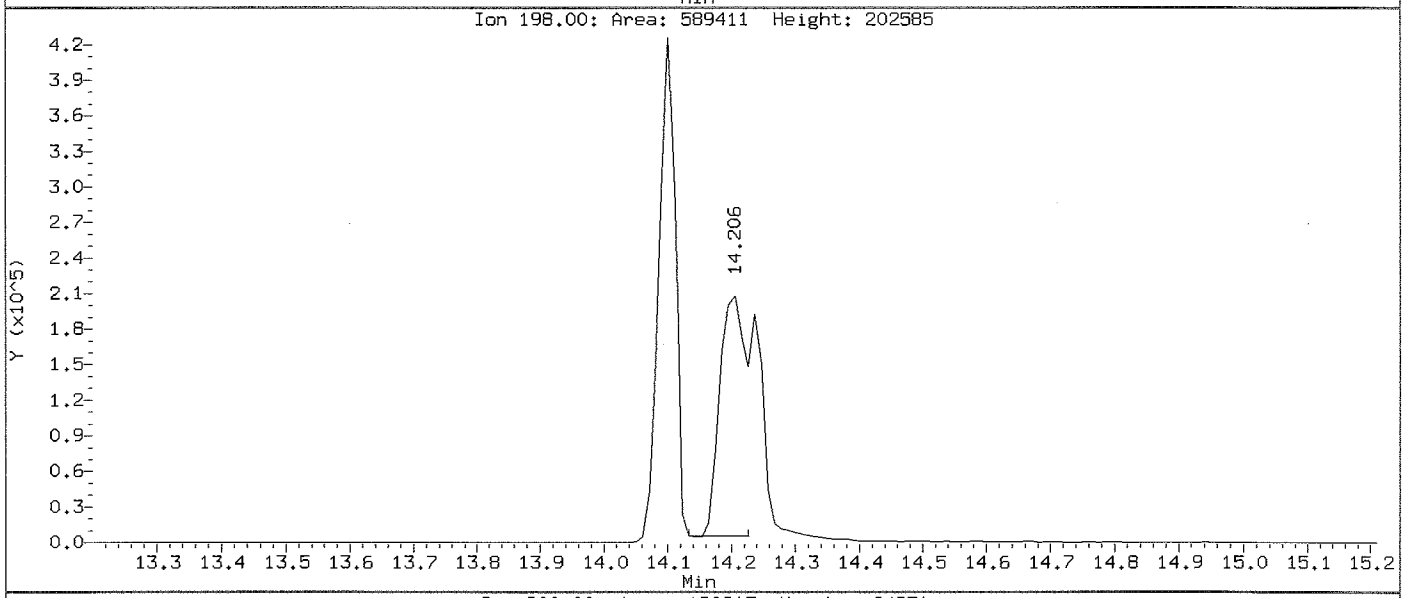
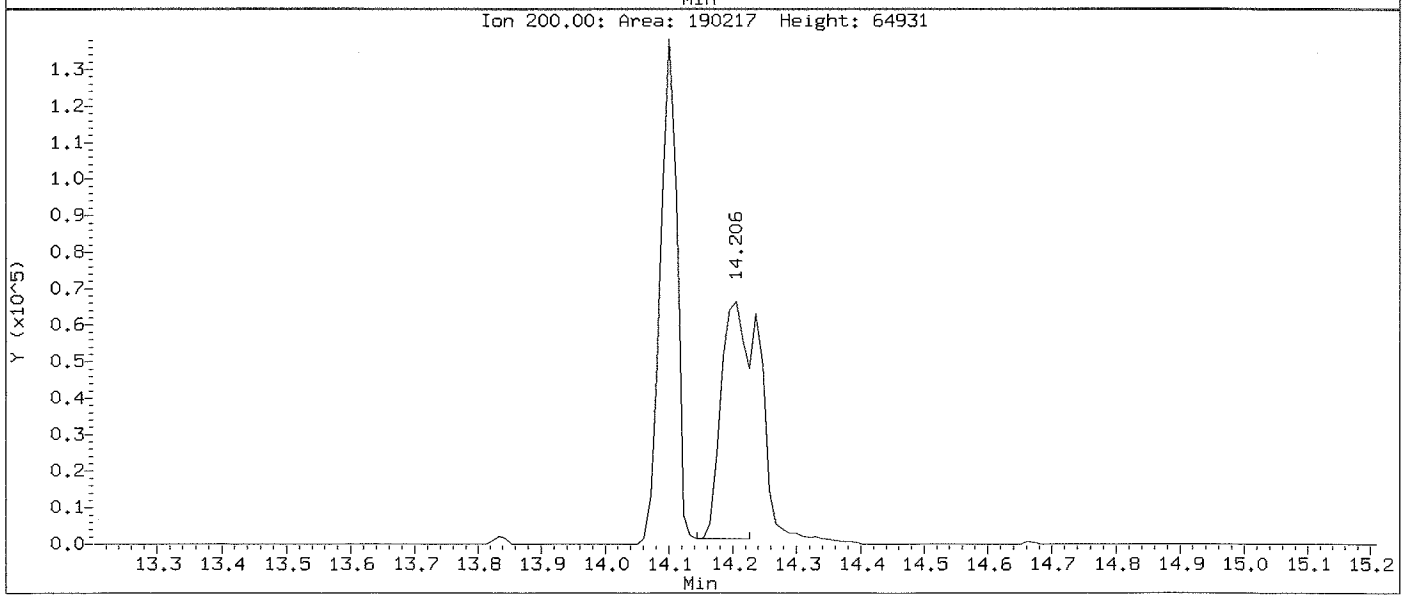
Injection Date: 23-MAY-2011 15:43
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4







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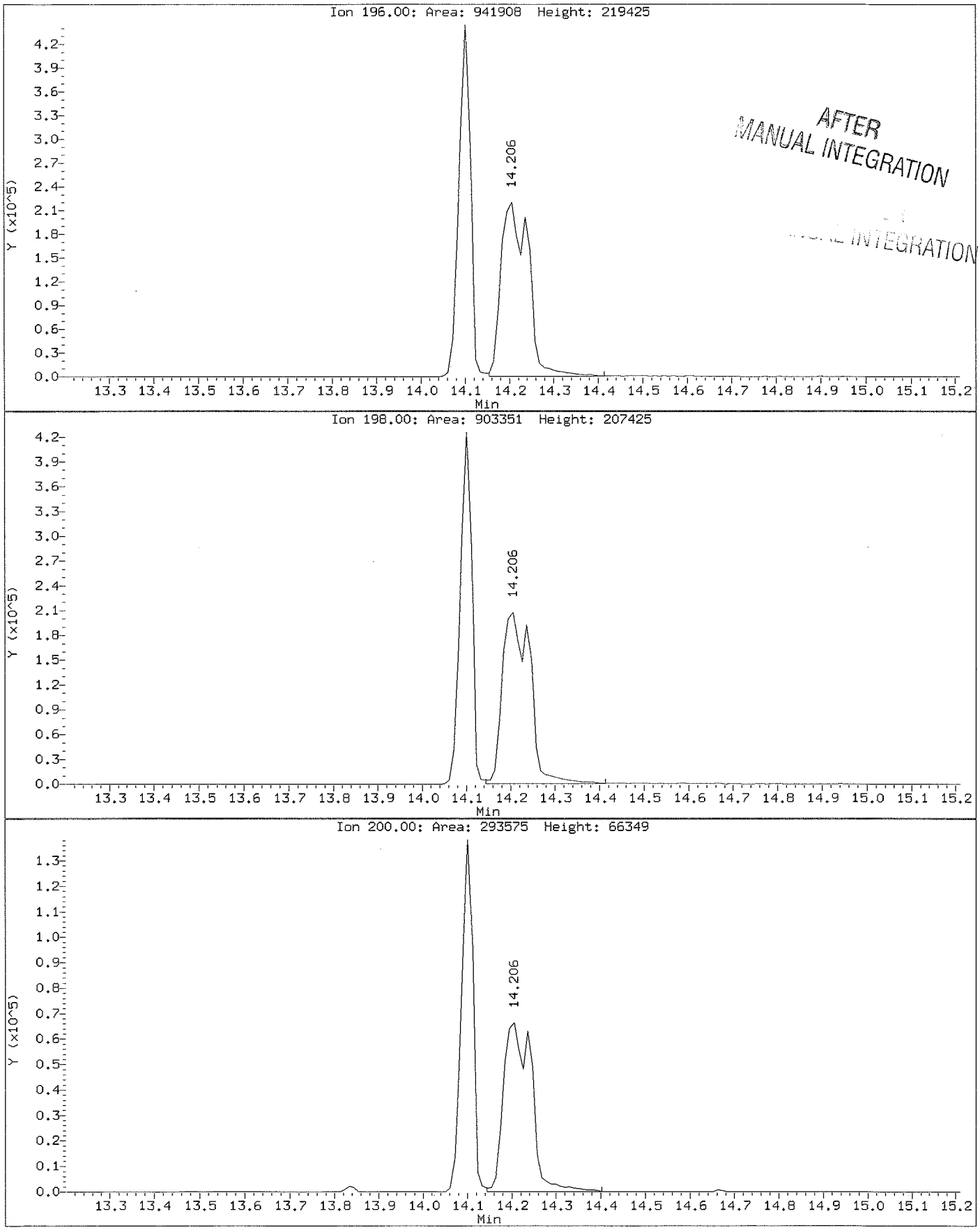
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
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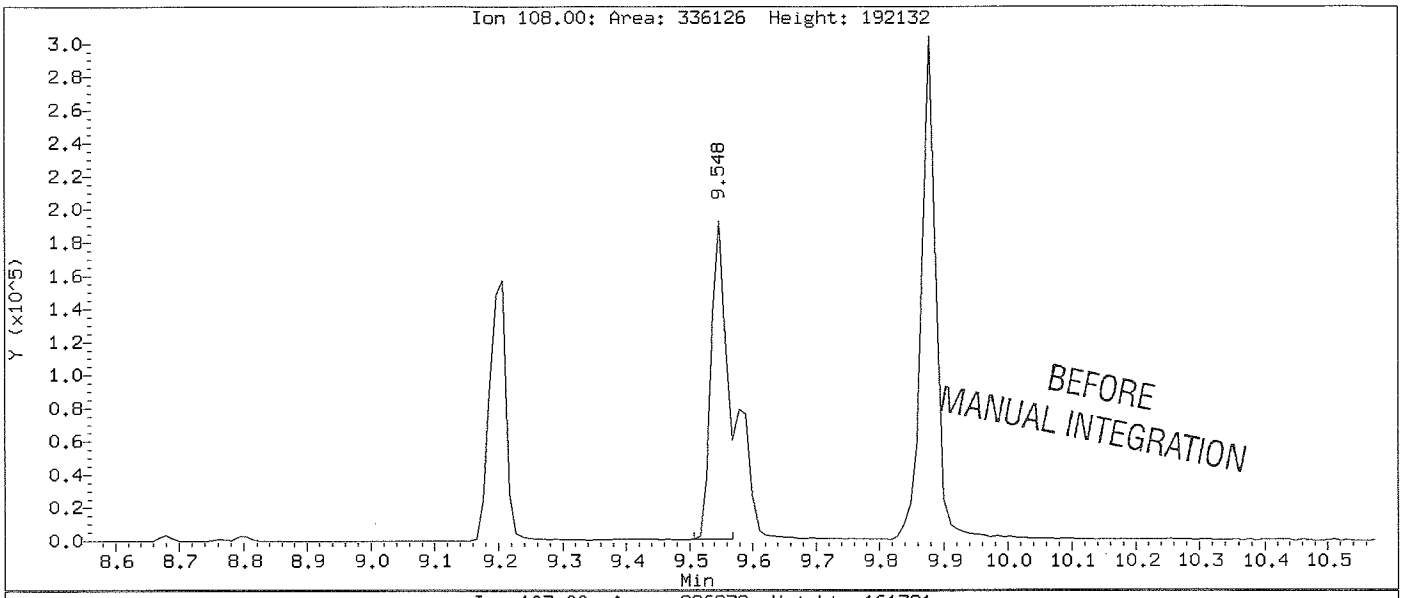
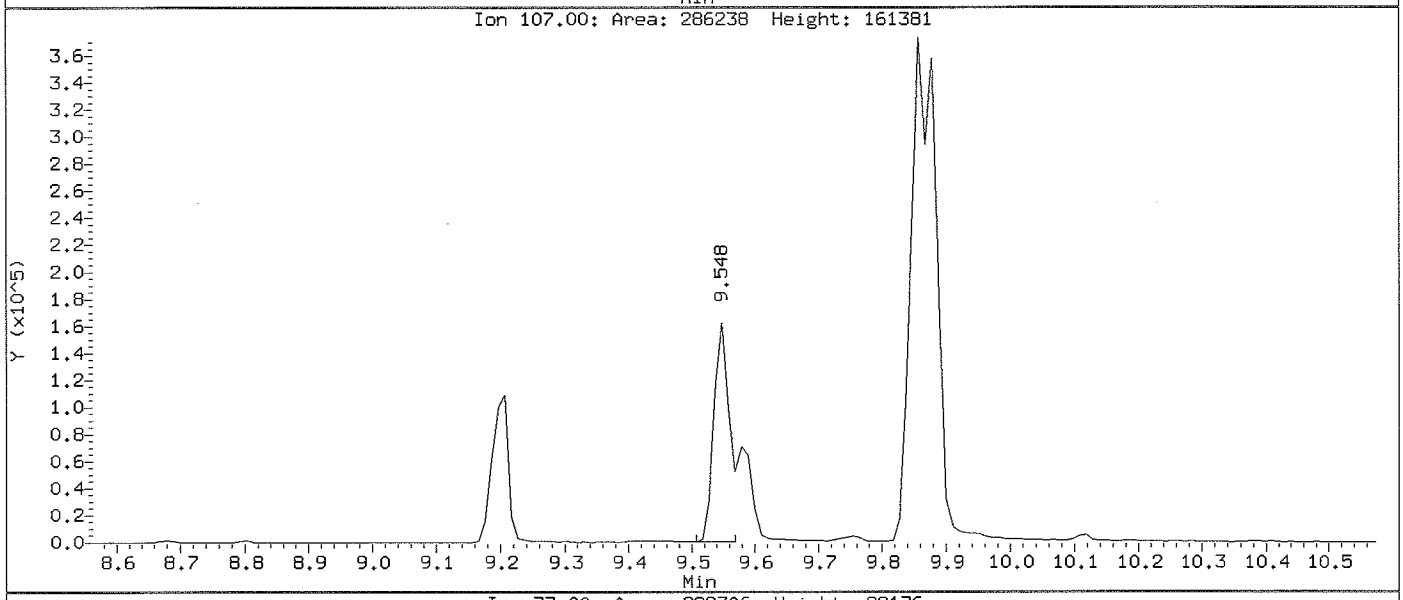
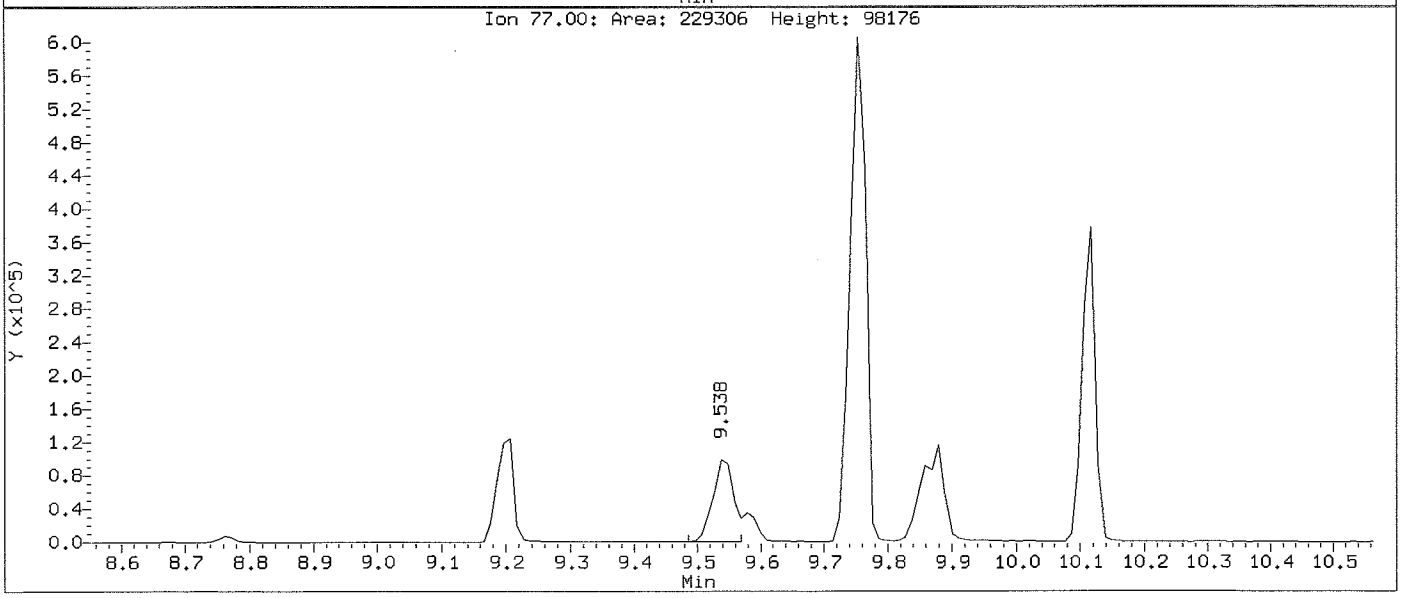
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







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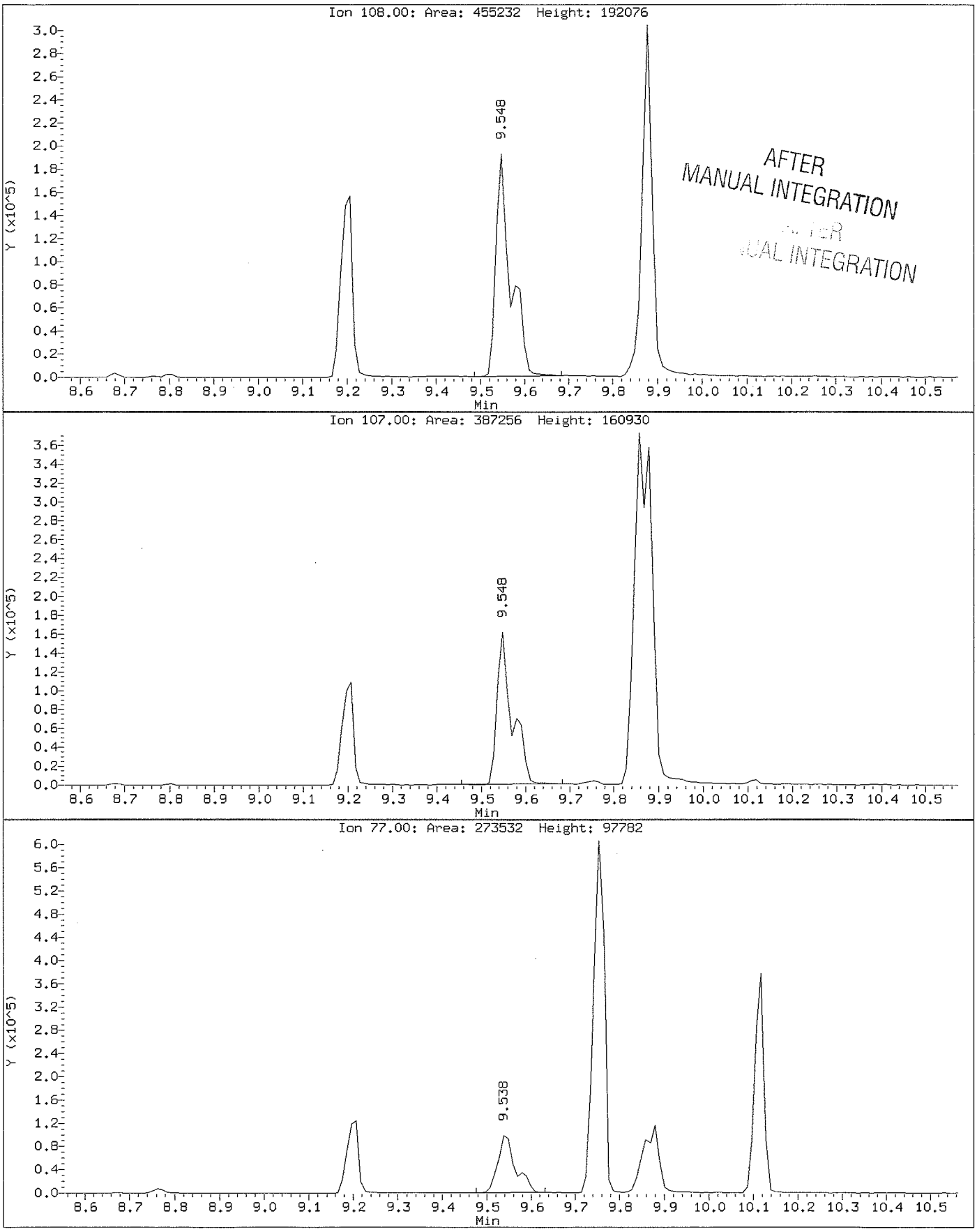
Injection Date: 23-MAY-2011 16:28
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:23

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 8270C IND CHECK
Level: LOW
Data Type: MS DATA
SpikeList File: INDcheck8270.spk
Sublist File: all.sub
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\U8270C88.m
Misc Info: SW846 8270C

Client SDG: 021497
Fraction: SV

Operator: JCG
SampleType: IND_CHECK
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 1,4-Dioxane	50.0	50.2	100.46	80-120
3 Pyridine	50.0	47.5	95.10	80-120
2 N-Nitrosodimethyla	50.0	49.3	98.56	80-120
5 2-Picoline	50.0	51.3	102.64	80-120
6 N-Nitrosomethyleth	50.0	47.7	95.36	80-120
7 Methyl Methanesulf	50.0	50.3	100.60	80-120
9 N-Nitrosodiethylam	50.0	51.1	102.29	80-120
10 Ethyl Methanesulfo	50.0	49.9	99.80	80-120
11 Benzaldehyde	50.0	9.77	19.54*	80-120
12 Aniline	50.0	54.3	108.69	80-120
16 Phenol	50.0	51.0	102.06	80-120
14 Bis(2-Chloroethyl)	50.0	51.6	103.23	80-120
17 2-Chlorophenol	50.0	50.4	100.73	80-120
18 1,3-Dichlorobenzen	50.0	49.9	99.75	80-120
20 1,4-Dichlorobenzen	50.0	50.7	101.38	80-120
22 Benzyl alcohol	50.0	48.1	96.16	80-120
21 1,2-Dichlorobenzen	50.0	49.9	99.79	80-120
23 2,2'-Oxybis(1-chlo	50.0	51.7	103.46	80-120
25 2-Methylphenol	50.0	48.2	96.40	80-120
26 Acetophenone	100	95.5	95.54	80-120
27 N-Nitrosopyrrolidi	50.0	53.8	107.62	80-120
31 N-Nitrosomorpholin	50.0	46.0	91.93	80-120
29 N-Nitroso-di-n-pro	50.0	44.4	88.92	80-120
32 3&4-Methylphenol	50.0	48.8	97.64	80-120
30 Hexachloroethane	50.0	48.4	96.77	80-120
28 o-Toluidine	50.0	47.8	95.57	80-120
34 Nitrobenzene	50.0	51.8	103.68	80-120
35 N-Nitrosopiperidin	50.0	51.5	103.03	80-120
36 Isophorone	50.0	44.2	88.51	80-120
37 2-Nitrophenol	50.0	51.2	102.52	80-120
38 2,4-Dimethylphenol	50.0	48.9	97.83	80-120
40 Bis(2-Chloroethoxy	50.0	52.6	105.30	80-120
39 O,O,O-Triethylphos	50.0	50.5	101.10	80-120
50 A,A-Dimethylphene	50.0	0.000	*	80-120
44 Benzoic acid	50.0	46.3	92.63	80-120
41 2,4-Dichlorophenol	50.0	51.3	102.69	80-120
42 1,2,4-Trichloroben	50.0	47.9	95.82	80-120
45 Naphthalene	50.0	49.8	99.55	80-120
48 2,6-Dichlorophenol	50.0	50.6	101.14	80-120
47 4-Chloroaniline	50.0	49.9	99.73	80-120

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:23

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
46	Hexachloropropene	50.0	54.9	109.83	80-120
49	Hexachlorobutadien	50.0	51.0	101.99	80-120
51	N-Nitroso-Di-N-But	50.0	58.6	117.20	80-120
53	Caprolactam	50.0	52.4	104.77	80-120
52	p-Phenylenediamine	50.0	0.000	*	80-120
54	Isosafrole	50.0	46.7	93.42	80-120
56	4-Chloro-3-Methylp	50.0	52.4	104.80	80-120
55	2-Methylnaphthalen	50.0	50.7	101.33	80-120
57	1-Methylnaphthalen	50.0	48.7	97.45	80-120
59	1,2,4,5-Tetrachlor	50.0	51.0	102.01	80-120
58	Hexachlorocyclopen	50.0	45.2	90.40	80-120
61	2,4,6-Trichlorophe	50.0	50.7	101.38	80-120
63	2,4,5-Trichlorophe	50.0	52.1	104.30	80-120
65	Diethyl Adipate	50.0	45.1	90.16	80-120
60	Safrole	50.0	44.5	89.01	80-120
66	1,1'-Biphenyl	50.0	51.8	103.69	80-120
64	2-Chloronaphthalen	50.0	49.2	98.36	80-120
67	1-Chloronaphthalen	50.0	47.4	94.91	80-120
69	2-Nitroaniline	50.0	51.6	103.25	80-120
70	1,4-Naphthoquinone	50.0	63.1	126.22*	80-120
72	Dimethyl Phthalate	50.0	48.4	96.86	80-120
73	1,3-Dinitrobenzene	50.0	48.9	97.83	80-120
74	Acenaphthylene	50.0	46.8	93.55	80-120
75	2,6-Dinitrotoluene	50.0	52.6	105.11	80-120
79	3-Nitroaniline	50.0	50.6	101.23	80-120
78	Acenaphthene	50.0	49.4	98.83	80-120
80	2,4-Dinitrophenol	50.0	52.2	104.51	80-120
82	Dibenzofuran	50.0	52.0	103.94	80-120
81	Pentachlorobenzene	50.0	51.6	103.21	80-120
88	4-Nitrophenol	50.0	56.6	113.29	80-120
83	2,4-Dinitrotoluene	50.0	51.8	103.64	80-120
84	1-Naphthylamine	50.0	43.6	87.11	80-120
87	2-Naphthylamine	50.0	49.7	99.48	80-120
86	2,3,4,6-Tetrachlor	50.0	53.6	107.22	80-120
89	Diethylphthalate	50.0	51.0	101.94	80-120
90	Fluorene	50.0	49.5	98.96	80-120
91	4-Chlorophenyl-phe	50.0	51.1	102.22	80-120
92	0,0-diethyl-o-2-py	50.0	54.0	108.04	80-120
93	5-Nitro-O-Toluidin	50.0	51.8	103.52	80-120
94	4-Nitroaniline	50.0	52.4	104.88	80-120
96	N-Nitrosodiphenyla	100	84.4	84.37	80-120
95	4,6-Dinitro-2-Meth	50.0	50.4	100.81	80-120
98	1,2-Diphenylhydraz	50.0	50.4	100.81	80-120
101	Sulfotepp	50.0	48.7	97.40	80-120
102	Diallate	50.0	56.2	112.39	80-120
103	Phorate	50.0	25.0	49.92*	80-120
104	4-Bromophenyl-phen	50.0	52.2	104.49	80-120
107	Phenacetin	50.0	49.8	99.64	80-120
106	1,3,5-Trinitrobenz	50.0	50.1	100.30	80-120
105	Hexachlorobenzene	50.0	49.0	98.04	80-120
108	Dimethoate	50.0	50.4	100.71	80-120
110	Atrazine	50.0	0.000	*	80-120
112	4-Aminobiphenyl	50.0	40.6	81.32	80-120
111	Pentachlorophenol	50.0	57.7	115.47	80-120

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808.D
Report Date: 24-May-2011 11:23

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
113	Pronamide	50.0	48.4	96.90	80-120
109	Pentachloronitrobe	50.0	50.6	101.27	80-120
115	Phenanthrene	50.0	50.7	101.40	80-120
118	Disulfoton	50.0	46.5	93.04	80-120
117	Anthracene	50.0	49.8	99.64	80-120
116	Dinoseb	50.0	53.4	106.75	80-120
119	Carbazole	50.0	51.0	102.03	80-120
120	Methyl Parathion	50.0	54.0	107.93	80-120
121	Di-n-butylphthalat	50.0	49.2	98.35	80-120
123	Ethyl Parathion	50.0	49.7	99.39	80-120
122	4-Nitroquinoline-1	50.0	50.7	101.33	80-120
124	Methapyrilene	50.0	38.6	77.27*	80-120
125	Isodrin	50.0	49.4	98.81	80-120
126	Fluoranthene	50.0	48.1	96.18	80-120
127	Benzidine	50.0	27.7	55.36*	80-120
128	Pyrene	50.0	52.2	104.52	80-120
130	Aramite	50.0	0.000	*	80-120
131	p-Dimethylaminoazo	50.0	51.2	102.48	80-120
132	Chlorobenzilate	50.0	51.6	103.13	80-120
133	Famphur	50.0	57.5	114.94	80-120
134	3,3'-Dimethylbenzi	50.0	40.4	80.89	80-120
135	Butylbenzylphthala	50.0	49.6	99.16	80-120
136	Bis(2-ethylhexyl)a	50.0	47.3	94.52	80-120
137	2-Acetylaminofluor	50.0	55.6	111.13	80-120
138	Benzo(a)anthracene	50.0	48.1	96.20	80-120
140	3,3'-Dichlorobenzi	50.0	51.7	103.32	80-120
141	Chrysene	50.0	50.2	100.49	80-120
143	bis(2-Ethylhexyl)p	50.0	49.8	99.68	80-120
144	Kepone	50.0	0.000	*	80-120
145	Di-n-octylphthalat	50.0	48.1	96.20	80-120
147	Benzo(b)fluoranthe	50.0	51.4	102.76	80-120
146	7,12-Dimethylbenz(	50.0	51.2	102.38	80-120
148	Benzo(k)fluoranthe	50.0	49.5	99.03	80-120
142	Hexachlorophene	50.0	0.000	*	80-120
149	Benzo(a)pyrene	50.0	51.4	102.79	80-120
151	3-Methylcholanthre	50.0	52.7	105.33	80-120
152	Dibenz(a,j)acridin	50.0	56.6	113.15	80-120
153	Indeno(1,2,3-cd)py	50.0	53.4	106.91	80-120
154	Dibenzo(a,h)anthra	50.0	51.6	103.24	80-120
155	Benzo(g,h,i)peryle	50.0	53.2	106.48	80-120

SURROGATE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 8	2-Fluorophenol	100	0.000	*	10-80
$ 15	Phenol-D6	100	0.000	*	10-90
$ 33	Nitrobenzene-D5	50.0	0.000	*	41-91
$ 62	2-Fluorobiphenyl	50.0	0.000	*	43-90
$ 100	2,4,6-Tribromophe	100	0.000	*	37-112
$ 129	Terphenyl-D14	50.0	0.000	*	36-156

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/26/11 05/26/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1206 1550

LAB FILE ID: RF10: U5855 RF25: U5856 RF50: U5854
RF75: U5857 RF100: U5858 RF125: U5859

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Phenol	1.656	1.550	1.405	1.310	1.260	1.181	AVRG		1.39368497		12.981	30.000	
Bis(2-Chloroethyl)ether	1.340	1.280	1.142	1.053	0.993	0.947	AVRG		1.12584874		14.031	15.000	
2-Chlorophenol	1.347	1.319	1.182	1.117	1.103	1.040	AVRG		1.18467861		10.456	15.000	
1,3-Dichlorobenzene	1.548	1.492	1.345	1.232	1.172	1.115	AVRG		1.31730010		13.338	15.000	
1,4-Dichlorobenzene	1.551	1.458	1.342	1.186	1.147	1.080	AVRG		1.29391484		14.440	30.000	
1,2-Dichlorobenzene	122930	272720	450800	692940	935640	953940	2ORDR	4.949e-004	0.64042296	0.13523734	0.99964	0.99000	
2-Methylphenol	1.110	1.058	0.990	0.986	1.016	0.961	AVRG		1.02005575		5.399	15.000	
2,2'-Oxybis(1-chloropropa	1.834	1.693	1.555	1.467	1.444	1.338	AVRG		1.55507486		11.632	15.000	
N-Nitroso-di-n-propylamin	0.838	0.709	0.624	0.626	0.599	0.556	AVRG		0.65862928		15.333	15.000	<-
3&4-Methylphenol	1.319	1.218	1.079	1.037	1.002	0.929	AVRG		1.09744835		13.201	15.000	
Hexachloroethane	0.570	0.529	0.483	0.416	0.412	0.392	AVRG		0.46699762		15.419	15.000	<-
Nitrobenzene	0.346	0.329	0.313	0.279	0.273	0.264	AVRG		0.30048842		11.108	15.000	
Isophorone	0.621	0.596	0.549	0.535	0.530	0.503	AVRG		0.55590442		7.995	15.000	
2-Nitrophenol	0.198	0.200	0.187	0.175	0.174	0.165	AVRG		0.18325069		7.677	30.000	
2,4-Dimethylphenol	0.313	0.286	0.274	0.250	0.238	0.230	AVRG		0.26527349		11.870	15.000	
Bis(2-Chloroethoxy)methan	0.432	0.410	0.394	0.359	0.326	0.309	AVRG		0.37184405		13.051	15.000	
2,4-Dichlorophenol	0.294	0.273	0.246	0.237	0.225	0.211	AVRG		0.24790265		12.439	30.000	
1,2,4-Trichlorobenzene	107560	235600	391920	631260	860850	866460	2ORDR	8.723e-003	2.42102963	2.46411617	0.99966	0.99000	
Naphthalene	303850	655140	1061000	1695200	2331500	2381500	2ORDR	-8.75e-003	0.95839391	0.29705535	0.99936	0.99000	
4-Chloroaniline	124390	260860	386870	613500	778670	778190	2ORDR	1.925e-002	1.50225936	4.86667774	0.99941	0.99000	
Hexachlorobutadiene	0.186	0.174	0.164	0.141	0.135	0.127	AVRG		0.15448290		15.342	30.000	
4-Chloro-3-Methylphenol	0.253	0.223	0.201	0.188	0.189	0.177	AVRG		0.20516466		13.755	30.000	
2-Methylnaphthalene	205110	434100	693900	1178600	1612500	1644700	2ORDR	-9.39e-003	1.50144623	0.53334658	0.99995	0.99000	
Hexachlorocyclopentadiene	0.336	0.368	0.378	0.318	0.306	0.291	AVRG		0.33299194		10.362	15.000	
2,4,6-Trichlorophenol	0.406	0.389	0.368	0.325	0.318	0.299	AVRG		0.35088751		12.263	30.000	
2,4,5-Trichlorophenol	0.420	0.390	0.391	0.384	0.384	0.364	AVRG		0.38904733		4.601	15.000	
2-Chloronaphthalene	271770	545170	834730	1388300	1836700	1864000	2ORDR	1.28e-002	0.36106392	0.18109454	0.99533	0.99000	
2-Nitroaniline	0.312	0.286	0.278	0.282	0.279	0.263	AVRG		0.28359895		5.671	15.000	
Dimethyl Phthalate	174570	321460	480480	896420	1313300	1331100	2ORDR	-3.96e-002	1.02706112	0.13502115	0.99832	0.99000	
2,6-Dinitrotoluene	0.278	0.255	0.249	0.242	0.246	0.232	AVRG		0.25044379		6.081	15.000	
Acenaphthylene	273480	527320	798360	1460900	2119200	2116500	2ORDR	-2.28e-002	0.57610561	7.019e-002	0.99847	0.99000	
3-Nitroaniline	0.275	0.242	0.224	0.221	0.252	0.238	AVRG		0.24199195		8.208	15.000	
Acenaphthene	171670	332320	515100	931490	1298800	1303700	2ORDR	-7.53e-003	0.80988935	0.23919305	0.99916	0.99000	
2,4-Dinitrophenol	14409	33990	66243	167150	285360	283380	2ORDR	7.619e-002	7.50567287	-3.3730388	0.99156	0.99000	
Dibenzofuran	1.572	1.425	1.319	1.214	1.160	1.103	AVRG		1.29889262		13.595	15.000	
4-Nitrophenol	0.187	0.168	0.176	0.156	0.175	0.158	AVRG		0.17009827		6.922	15.000	
2,4-Dinitrotoluene	0.336	0.288	0.281	0.258	0.249	0.232	AVRG		0.27402892		13.405	15.000	
Diethylphthalate	186700	339140	545580	1055000	1391600	1410300	2ORDR	7.189e-003	0.72325657	0.21128042	0.99938	0.99000	
Fluorene	1.275	1.118	1.029	0.958	0.926	0.866	AVRG		1.02873053		14.454	15.000	
4-Chlorophenyl-phenylethe	87410	167230	264330	497310	663020	668320	2ORDR	8.27e-003	1.45359285	1.00360221	0.99966	0.99000	
4-Nitroaniline	0.225	0.196	0.196	0.212	0.243	0.232	AVRG		0.21731031		8.841	15.000	
4,6-Dinitro-2-Methylpheno	0.104	0.112	0.122	0.139	0.146	0.144	AVRG		0.12786627		13.915	15.000	
N-Nitrosodiphenylamine	0.652	0.655	0.638	0.580	0.518	0.503	AVRG		0.59083870		11.556	30.000	
4-Bromophenyl-phenylether	0.215	0.209	0.192	0.180	0.170	0.166	AVRG		0.18864304		10.766	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/26/11 05/26/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1206 1550

LAB FILE ID: RF10: U5855 RF25: U5856 RF50: U5854
RF75: U5857 RF100: U5858 RF125: U5859

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Hexachlorobenzene	0.234	0.226	0.222	0.220	0.213	0.211	AVRG		0.22106619		3.926	15.000
Pentachlorophenol	0.124	0.123	0.133	0.137	0.141	0.147	AVRG		0.13415010		7.026	30.000
Phenanthrene	1.091	1.037	1.001	0.970	0.934	0.928	AVRG		0.99337551		6.341	15.000
Anthracene	1.104	1.032	1.014	0.988	0.952	0.944	AVRG		1.00541254		5.846	15.000
Carbazole	0.866	0.794	0.800	0.793	0.816	0.823	AVRG		0.81530219		3.367	15.000
Di-n-butylphthalate	1.276	1.171	1.163	1.131	1.111	1.121	AVRG		1.16217803		5.201	15.000
Fluoranthene	0.991	0.905	0.873	0.870	0.870	0.904	AVRG		0.90231853		5.169	30.000
Pyrene	1.447	1.283	1.262	1.201	1.097	1.044	AVRG		1.22234183		11.780	15.000
Butylbenzylphthalate	0.675	0.642	0.629	0.610	0.562	0.542	AVRG		0.61003457		8.205	15.000
Benzo(a)anthracene	1.102	0.995	0.950	0.898	0.892	0.854	AVRG		0.94854337		9.502	15.000
3,3'-Dichlorobenzidine	0.251	0.263	0.258	0.239	0.239	0.227	AVRG		0.24627987		5.577	15.000
Chrysene	1.069	0.931	0.871	0.809	0.767	0.738	AVRG		0.86409758		14.157	15.000
bis(2-Ethylhexyl)phthalat	0.967	0.875	0.869	0.851	0.767	0.748	AVRG		0.84614766		9.412	15.000
Di-n-octylphthalate	1.814	1.582	1.599	1.781	1.609	1.575	AVRG		1.66001884		6.493	30.000
Benzo(b)fluoranthene	1.100	0.917	0.912	0.965	0.978	0.950	AVRG		0.97049816		7.086	15.000
Benzo(k)fluoranthene	1.303	1.130	0.982	0.966	0.963	0.901	AVRG		1.04094387		14.344	15.000
Benzo(a)pyrene	0.955	0.858	0.834	0.831	0.842	0.835	AVRG		0.85908983		5.564	30.000
Indeno(1,2,3-cd)pyrene	0.653	0.663	0.645	0.628	0.672	0.637	AVRG		0.64965325		2.574	15.000
Dibenzo(a,h)anthracene	0.707	0.708	0.608	0.646	0.694	0.658	AVRG		0.67045309		5.936	15.000
Benzo(g,h,i)perylene	0.856	0.798	0.768	0.705	0.745	0.678	AVRG		0.75843824		8.515	15.000
2-Fluorophenol	1.318	1.322	1.245	1.144	1.106	1.090	AVRG		1.20409792		8.695	15.000
Phenol-D6	1.583	1.524	1.406	1.335	1.307	1.236	AVRG		1.39851126		9.524	15.000
Nitrobenzene-D5	0.347	0.326	0.323	0.293	0.290	0.278	AVRG		0.30978353		8.624	15.000
2-Fluorobiphenyl	197750	398600	653380	1142200	1547800	1602100	2ORDR	1.73e-004	0.64609107	0.16639914	0.99695	0.99000
2,4,6-Tribromophenol	0.169	0.146	0.145	0.148	0.152	0.144	AVRG		0.15097647		6.231	15.000
Terphenyl-D14	0.828	0.749	0.730	0.726	0.662	0.638	AVRG		0.72238035		9.354	15.000

FORM VI SV

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Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5854.D
Lab Smp Id: SSTD050U0526
Inj Date : 26-MAY-2011 12:06 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD050U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 12:06 Cal File: U5854.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1	1,4-Dioxane	58	3.317	3.319	(0.379)	154642	50.0000	51.9	
2	N-Nitrosodimethylamine	42	3.896	3.919	(0.445)	224046	50.0000	52.5	
3	Pyridine	79	3.855	3.857	(0.440)	568062	50.0000	53.4	
4	Ethyl Methacrylate	69	4.600	4.613	(0.525)	409526	50.0000	52.6	
5	2-Picoline	93	5.117	5.110	(0.584)	600059	50.0000	52.8	
6	N-Nitrosomethylethylamine	88	5.438	5.441	(0.621)	227836	50.0000	50.9	
7	Methyl Methanesulfonate	80	6.070	6.093	(0.693)	267293	50.0000	50.6	
$ 8	2-Fluorophenol	112	6.318	6.331	(0.721)	474847	50.0000	51.7	
9	N-Nitrosodiethylamine	102	6.753	6.776	(0.771)	214003	50.0000	50.5	
10	Ethyl Methanesulfonate	79	7.436	7.469	(0.849)	333921	50.0000	49.1	
11	Benzaldehyde	77	7.881	7.883	(0.900)	80517	50.0000	41.0	
12	Aniline	93	8.202	8.215	(0.936)	676837	50.0000	49.6	
13	Pentachloroethane	117	8.140	8.142	(0.929)	179648	50.0000	52.4	
14	Bis(2-Chloroethyl)ether	93	8.367	8.380	(0.955)	435784	50.0000	50.7	
$ 15	Phenol-D6	99	8.254	8.277	(0.942)	536237	50.0000	50.3	
16	Phenol	94	8.274	8.308	(0.944)	535998	50.0000	50.4	
17	2-Chlorophenol	128	8.398	8.422	(0.959)	450778	50.0000	49.9	
18	1,3-Dichlorobenzene	146	8.668	8.680	(0.989)	512871	50.0000	51.0	
* 19	1,4-Dichlorobenzene-D4	152	8.761	8.763	(1.000)	305135	40.0000		
20	1,4-Dichlorobenzene	146	8.792	8.805	(1.004)	511794	50.0000	51.8	
21	1,2-Dichlorobenzene	146	9.185	9.198	(1.048)	450796	50.0000	49.7	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5854.D
Report Date: 27-May-2011 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.195	9.219	(1.050)	239968	50.0000	49.6	
	23 2,2'-Oxybis(1-chloropropane)	45	9.516	9.529	(1.086)	593145	50.0000	50.0	
	24 Bis(2-Chloroisopropyl)ether	45	9.516	9.529	(1.086)	596789	50.0000	50.2	
	25 2-Methylphenol	108	9.527	9.550	(1.087)	377443	50.0000	48.5(M)	M9
	26 Acetophenone	105	9.744	9.767	(0.840)	531811	50.0000	51.8	
	27 N-Nitrosopyrrolidine	100	9.796	9.871	(1.118)	198244	50.0000	52.6	
	28 o-Toluidine	106	9.847	9.860	(1.124)	493958	50.0000	48.8(Q)	
	29 N-Nitroso-di-n-propylamine	70	9.858	9.902	(1.125)	237896	50.0000	47.3	
	30 Hexachloroethane	117	9.827	9.840	(1.122)	184096	50.0000	51.7	
	31 N-Nitrosomorpholine	56	9.837	9.881	(1.123)	194442	50.0000	51.6	
	32 3&4-Methylphenol	108	9.878	9.922	(1.128)	411717	50.0000	49.2(Q)	
$	33 Nitrobenzene-D5	82	10.065	10.088	(0.868)	416423	50.0000	52.2	
	34 Nitrobenzene	77	10.106	10.129	(0.871)	402720	50.0000	52.0	
	35 N-Nitrosopiperidine	114	10.458	10.502	(0.902)	203725	50.0000	49.1	
	36 Isophorone	82	10.634	10.668	(0.917)	706595	50.0000	49.4	
	37 2-Nitrophenol	139	10.820	10.844	(0.933)	240548	50.0000	51.0	
	38 2,4-Dimethylphenol	107	11.027	11.061	(0.951)	352961	50.0000	51.7	
	39 O,O,O-Triethylphosphorothioat	198	11.265	11.299	(0.971)	169588	50.0000	51.4	
	40 Bis(2-Chloroethoxy)methane	93	11.234	11.247	(0.969)	507584	50.0000	53.0	
	41 2,4-Dichlorophenol	162	11.369	11.402	(0.980)	317427	50.0000	49.7	
	42 1,2,4-Trichlorobenzene	180	11.524	11.537	(0.994)	391923	50.0000	51.5	
*	43 Naphthalene-D8	136	11.597	11.609	(1.000)	1029934	40.0000		
	44 Benzoic acid	122	11.390	11.558	(0.982)	146988	50.0000	44.4(M)	M9
	45 Naphthalene	128	11.638	11.651	(1.004)	1060973	50.0000	51.8	
	46 Hexachloropropene	213	11.928	11.941	(1.029)	224272	50.0000	53.8	
	47 4-Chloroaniline	127	11.907	11.930	(1.027)	386869	50.0000	50.8	
	48 2,6-Dichlorophenol	162	11.897	11.910	(1.026)	294507	50.0000	50.5	
	49 Hexachlorobutadiene	225	12.104	12.117	(1.044)	210768	50.0000	53.0	
	50 A,A-Dimethylphenethylamine	58	11.824	11.972	(1.020)	597031	50.0000	46.6(M)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.787	12.810	(1.103)	273593	50.0000	55.8	
	52 p-Phenylenediamine	108	12.797	12.831	(1.104)	162664	50.0000	46.8	
	53 Caprolactam	113	12.756	12.914	(1.100)	102704	50.0000	44.5(Q)	
	54 Isosafrole	162	13.149	13.172	(1.134)	264995	50.0000	52.4	
	55 2-Methylnaphthalene	142	13.253	13.276	(1.143)	693898	50.0000	49.8	
	56 4-Chloro-3-Methylphenol	107	13.139	13.183	(1.133)	258604	50.0000	49.0	
	57 1-Methylnaphthalene	142	13.501	13.524	(1.164)	665993	50.0000	49.6	
	58 Hexachlorocyclopentadiene	237	13.812	13.824	(0.877)	203791	50.0000	56.8	
	59 1,2,4,5-Tetrachlorobenzene	216	13.760	13.773	(0.874)	308495	50.0000	54.4	
	60 Safrole	104	13.843	13.845	(0.879)	22265	50.0000	52.6	
	61 2,4,6-Trichlorophenol	196	14.050	14.083	(0.892)	198231	50.0000	52.4	
$	62 2-Fluorobiphenyl	172	14.226	14.249	(0.903)	653377	50.0000	54.5	
	63 2,4,5-Trichlorophenol	196	14.153	14.176	(0.899)	210595	50.0000	50.2	
	64 2-Chloronaphthalene	162	14.391	14.414	(0.914)	834731	50.0000	55.7	
	65 Diethyl Adipate	111	14.370	14.394	(0.913)	171855	50.0000	56.6	
	66 1,1'-Biphenyl	154	14.412	14.435	(0.915)	725387	50.0000	54.6	
	67 1-Chloronaphthalene	162	14.464	14.487	(0.919)	566060	50.0000	54.4	
	68 Diphenylether	170	14.702	14.715	(0.934)	390710	50.0000	52.6	
	69 2-Nitroaniline	65	14.816	14.849	(0.941)	149697	50.0000	49.0	
	70 1,4-Naphthoquinone	158	14.867	14.890	(0.944)	172226	50.0000	49.5	
	71 1,4-Dinitrobenzene	75	15.095	15.129	(0.959)	97808	50.0000	49.1	
	72 Dimethyl Phthalate	163	15.364	15.408	(0.976)	480480	50.0000	50.9	
	73 1,3-Dinitrobenzene	168	15.374	15.418	(0.976)	75642	50.0000	45.7	
	74 Acenaphthylene	152	15.364	15.387	(0.976)	798362	50.0000	51.4	
	75 2,6-Dinitrotoluene	165	15.509	15.543	(0.985)	134073	50.0000	49.7	

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Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5854.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.654	15.698	(0.994)	76112	50.0000	48.5	
* 77 Acenaphthene-D10	164	15.747	15.750	(1.000)	430934	40.0000		
78 Acenaphthene	153	15.819	15.843	(1.005)	515095	50.0000	52.1	
79 3-Nitroaniline	138	15.809	15.853	(1.004)	120929	50.0000	46.4	
80 2,4-Dinitrophenol	184	16.058	16.101	(1.020)	66243	50.0000	46.0	
81 Pentachlorobenzene	250	16.265	16.277	(1.033)	231888	50.0000	51.7	
82 Dibenzofuran	168	16.192	16.215	(1.028)	710709	50.0000	50.8	
83 2,4-Dinitrotoluene	165	16.420	16.464	(1.043)	151353	50.0000	51.3	
84 1-Naphthylamine	143	16.430	16.464	(1.043)	473257	50.0000	51.0	
85 2,3,5,6-Tetrachlorophenol	232	16.544	16.567	(1.051)	146934	50.0000	49.2	
86 2,3,4,6-Tetrachlorophenol	232	16.647	16.681	(1.057)	143290	50.0000	51.3	
87 2-Naphthylamine	143	16.616	16.650	(1.055)	372645	50.0000	47.2	
88 4-Nitrophenol	139	16.347	16.391	(1.038)	94878	50.0000	51.8	
89 Diethylphthalate	149	17.051	17.085	(1.083)	545577	50.0000	50.5	
90 Fluorene	166	17.010	17.033	(1.080)	554108	50.0000	50.0	
91 4-Chlorophenyl-phenylether	204	17.082	17.095	(1.085)	264332	50.0000	51.1	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.237	17.271	(1.095)	100611	50.0000	49.8	
93 5-Nitro-O-Toluidine	152	17.217	17.271	(1.093)	144043	50.0000	49.2	
94 4-Nitroaniline	138	17.279	17.343	(1.097)	105719	50.0000	45.2	
95 4,6-Dinitro-2-Methylphenol	198	17.351	17.406	(0.904)	84666	50.0000	47.8	
96 N-Nitrosodiphenylamine	169	17.413	17.447	(0.907)	441311	50.0000	54.0	
97 N-Nitrosodiphenylamine/DPA	169	17.413	17.447	(0.907)	441311	50.0000	54.0	
98 1,2-Diphenylhydrazine	77	17.444	17.468	(0.908)	632065	50.0000	54.1	
99 Azobenzene	77	17.444	17.468	(0.908)	632065	50.0000	54.1	
$ 100 2,4,6-Tribromophenol	330	17.651	17.675	(1.121)	78337	50.0000	48.2	
101 Sulfotepp	97	18.107	18.130	(0.943)	87105	50.0000	52.6	
102 Diallate	86	18.200	18.213	(0.948)	168807	50.0000	51.8	
103 Phorate	75	18.221	18.244	(0.949)	316436	50.0000	53.1	
104 4-Bromophenyl-phenylether	248	18.221	18.234	(0.949)	132984	50.0000	50.9	
105 Hexachlorobenzene	284	18.500	18.523	(0.963)	153455	50.0000	50.2	
106 1,3,5-Trinitrobenzene	213	18.272	18.358	(0.951)	36672	50.0000	48.0	
107 Phenacetin	108	18.345	18.430	(0.955)	207422	50.0000	48.4	
108 Dimethoate	87	18.655	18.720	(0.971)	171206	50.0000	52.0	
109 Pentachloronitrobenzene	237	19.163	19.196	(0.998)	61079	50.0000	51.1	
110 Atrazine	200	18.842	18.875	(0.981)	105657	50.0000	51.4	
111 Pentachlorophenol	266	18.976	19.020	(0.988)	92041	50.0000	49.6	
112 4-Aminobiphenyl	169	18.883	18.917	(0.983)	396199	50.0000	51.1	
113 Pronamide	173	19.194	19.238	(0.999)	189554	50.0000	50.1	
* 114 Phenanthrene-D10	188	19.204	19.217	(1.000)	553474	40.0000		
115 Phenanthrene	178	19.256	19.289	(1.003)	692259	50.0000	50.4	
116 Dinoseb	211	19.504	19.526	(1.016)	118503	50.0000	50.3	
117 Anthracene	178	19.359	19.393	(1.008)	701315	50.0000	50.4	
118 Disulfoton	88	19.452	19.476	(1.013)	263451	50.0000	51.1	
119 Carbazole	167	19.825	19.859	(1.032)	553295	50.0000	49.0	
120 Methyl Parathion	109	20.342	20.366	(1.059)	145207	50.0000	51.7	
121 Di-n-butylphthalate	149	20.932	20.945	(1.090)	804406	50.0000	50.0	
122 4-Nitroquinoline-1-Oxide	190	21.233	21.266	(1.106)	33155	50.0000	46.4	
123 Ethyl Parathion	291	21.315	21.339	(1.110)	43224	50.0000	46.9	
124 Methapyrilene	97	21.553	21.566	(1.122)	140075	50.0000	50.8	
125 Isodrin	193	21.750	21.763	(1.133)	86381	50.0000	50.4	
126 Fluoranthene	202	22.081	22.105	(1.150)	604293	50.0000	48.4	
127 Benzidine	184	22.537	22.560	(0.884)	100315	50.0000	49.7(a)	
128 Pyrene	202	22.588	22.612	(0.886)	633528	50.0000	51.6	
$ 129 Terphenyl-D14	244	23.106	23.129	(0.906)	366495	50.0000	50.6	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5854.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.406	23.419	(0.918)	47507	50.0000	52.2	
131 p-Dimethylaminoazobenzene	225	23.510	23.533	(0.922)	115689	50.0000	49.9	
132 Chlorobenzilate	251	23.675	23.698	(0.928)	174529	50.0000	50.5	
133 Famphur	218	24.327	24.340	(0.954)	15991	50.0000	44.9	
134 3,3'-Dimethylbenzidine	212	24.317	24.330	(0.953)	149216	50.0000	48.7	
135 Butylbenzylphthalate	149	24.462	24.475	(0.959)	315474	50.0000	51.5	
136 Bis(2-ethylhexyl)adipate	129	24.710	24.723	(0.969)	276456	50.0000	51.4	
137 2-Acetylaminofluorene	181	24.938	24.982	(0.978)	179018	50.0000	51.3	
138 Benzo(a)anthracene	228	25.466	25.489	(0.998)	476752	50.0000	50.1	
* 139 Chrysene-D12	240	25.507	25.530	(1.000)	401451	40.0000		
140 3,3'-Dichlorobenzidine	252	25.569	25.582	(1.002)	129529	50.0000	52.4	
141 Chrysene	228	25.569	25.593	(1.002)	437327	50.0000	50.4	
143 bis(2-Ethylhexyl)phthalate	149	25.932	25.944	(1.017)	435980	50.0000	51.3	
145 Di-n-octylphthalate	149	27.318	27.331	(0.953)	694695	50.0000	48.2	
146 7,12-Dimethylbenz(A)Anthracen	256	27.950	27.983	(0.975)	194122	50.0000	49.6	
147 Benzo(b)fluoranthene	252	27.888	27.921	(0.973)	396295	50.0000	47.0	
148 Benzo(k)fluoranthene	252	27.939	27.973	(0.975)	426722	50.0000	47.2	
149 Benzo(a)pyrene	252	28.540	28.573	(0.996)	362454	50.0000	48.6	
* 150 Perylene-D12	264	28.664	28.677	(1.000)	347561	40.0000		
151 3-Methylcholanthrene	268	29.326	29.339	(1.023)	185066	50.0000	50.6	
152 Dibenz(a,j)acridine	279	30.548	30.581	(1.066)	242322	50.0000	51.0	
153 Indeno(1,2,3-cd)pyrene	276	30.941	30.964	(1.079)	280136	50.0000	49.6	
154 Dibenzo(a,h)anthracene	278	31.003	31.037	(1.082)	264403	50.0000	45.4	
155 Benzo(g,h,i)perylene	276	31.572	31.616	(1.101)	333659	50.0000	50.6	
M 156 Total PAHs	100				9231579	850.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5854.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5854.D
Lab Smp Id: SSTD050U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

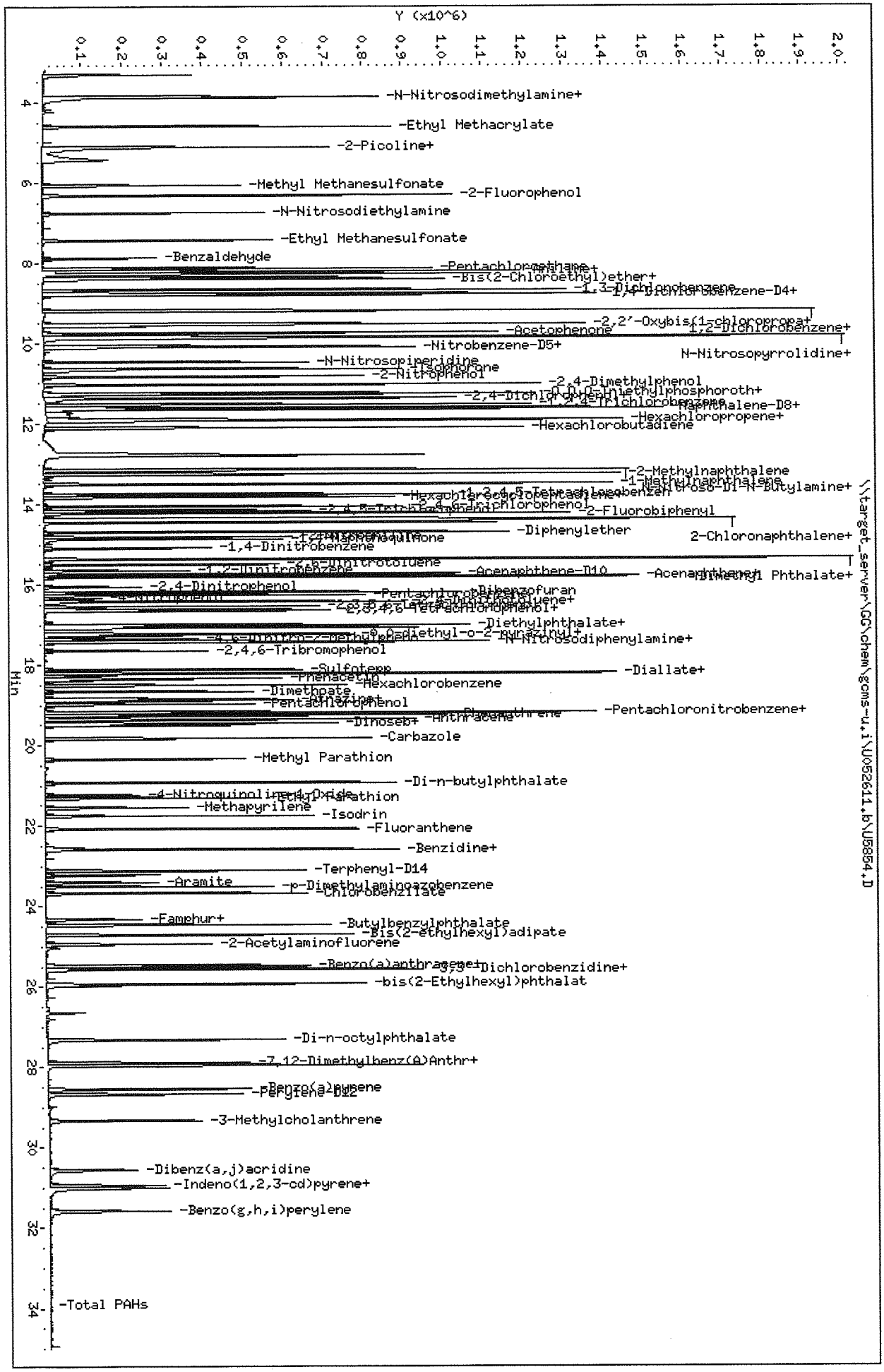
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	305135	0.00
43 Naphthalene-D8	1029934	514967	2059868	1029934	0.00
77 Acenaphthene-D10	430934	215467	861868	430934	0.00
114 Phenanthrene-D10	553474	276737	1106948	553474	0.00
139 Chrysene-D12	401451	200726	802902	401451	0.00
150 Perylene-D12	347561	173781	695122	347561	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.00
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.00
114 Phenanthrene-D10	19.20	18.70	19.70	19.20	0.00
139 Chrysene-D12	25.51	25.01	26.01	25.51	0.00
150 Perylene-D12	28.66	28.16	29.16	28.66	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-u.i\U052611.b\U5854.D
Date : 26-MAY-2011 12:06
Client ID:
Sample Info: SSTD050U0526
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25
\\target_server\GC\chem\gcms-u.i\U052611.b\U5854.D
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane+
-Bis(2-Chloroethyl)ether+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-D4+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone
-1,2-Dichlorobenzene+
-Nitrobenzene-D5+
N-Nitrosopyrrolidine+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorophenol
-Naphthalene-D8+
-Hexachloropropene+
-Hexachlorobutadiene
-2-Methylnaphthalene
-1-Methylnaphthalene
-Hexachlorocyclopentadiene+
-N-Nitroso-Di-N-Butylamine+
-2,4,5-Trichlorophenol
-2-Fluorobiphenyl
-Diphenylether
2-Chloronaphthalene+
-1,4-Dinitrobenzene
-1,2-Dinitrobenzene
-Acenaphthene-D10
-Acenaphthene+
Dimethyl Phthalate+
-2,4-Dinitrophenol
-Pentachlorobenzene
-Dibenzofuran
-2,3,4,6-Tetrachlorophenol+
-Diethylphthalate+
-N-Nitrosodiphenylamine+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-Phenacetin
-Hexachlorobenzene
-Dimethoate
-Pentachlorophenol
-Pentachloronitrobenzene+
-Dinoseb+
-Anthracene
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-Benzo(a)anthracene+
-3,3'-Dichlorobenzidine+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Lab Smp Id: SSTD010U0526
Inj Date : 26-MAY-2011 12:53
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD010U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 12:53 Cal File: U5855.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.330	3.319	(0.380)	36133	10.0000	10.9	
	2 N-Nitrosodimethylamine	42	3.899	3.919	(0.445)	49784	10.0000	10.5	
	3 Pyridine	79	3.879	3.857	(0.443)	138212	10.0000	11.7(a)	
	4 Ethyl Methacrylate	69	4.603	4.613	(0.526)	97534	10.0000	11.2	
	5 2-Picoline	93	5.141	5.110	(0.587)	134360	10.0000	10.6	
	6 N-Nitrosomethylethylamine	88	5.452	5.441	(0.623)	49693	10.0000	9.98(a)	
	7 Methyl Methanesulfonate	80	6.062	6.093	(0.693)	63600	10.0000	10.8	
$	8 2-Fluorophenol	112	6.311	6.331	(0.721)	111914	10.0000	10.9	
	9 N-Nitrosodiethylamine	102	6.756	6.776	(0.772)	51562	10.0000	10.9	
	10 Ethyl Methanesulfonate	79	7.429	7.469	(0.849)	83772	10.0000	11.1	
	11 Benzaldehyde	77	7.884	7.883	(0.901)	21726	10.0000	9.94(a)	
	12 Aniline	93	8.195	8.215	(0.936)	173885	10.0000	11.5(a)	
	13 Pentachloroethane	117	8.133	8.142	(0.929)	43733	10.0000	11.5	
	14 Bis(2-Chloroethyl)ether	93	8.360	8.380	(0.955)	113756	10.0000	11.9	
$	15 Phenol-D6	99	8.236	8.277	(0.941)	134437	10.0000	11.3	
	16 Phenol	94	8.257	8.308	(0.943)	140609	10.0000	11.9	
	17 2-Chlorophenol	128	8.402	8.422	(0.960)	114364	10.0000	11.4	
	18 1,3-Dichlorobenzene	146	8.671	8.680	(0.991)	131488	10.0000	11.8	
*	19 1,4-Dichlorobenzene-D4	152	8.754	8.763	(1.000)	339646	40.0000		
	20 1,4-Dichlorobenzene	146	8.785	8.805	(1.004)	131722	10.0000	12.0	
	21 1,2-Dichlorobenzene	146	9.188	9.198	(1.050)	122929	10.0000	10.0	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
22 Benzyl alcohol	108	9.178	9.219	(1.048)	60831	10.0000	11.3(a)	
23 2,2'-Oxybis(1-chloropropane)	45	9.519	9.529	(1.087)	155685	10.0000	11.8	
24 Bis(2-Chloroisopropyl)ether	45	9.519	9.529	(1.087)	156233	10.0000	11.8	
25 2-Methylphenol	108	9.519	9.550	(1.087)	94293	10.0000	10.9	
26 Acetophenone	105	9.737	9.767	(0.840)	139223	10.0000	11.4	
27 N-Nitrosopyrrolidine	100	9.768	9.871	(1.116)	49122	10.0000	8.60(a)	
28 o-Toluidine	106	9.830	9.860	(1.123)	150801	10.0000	11.1(aQ)	
29 N-Nitroso-di-n-propylamine	70	9.830	9.902	(1.123)	71165	10.0000	12.7	
30 Hexachloroethane	117	9.830	9.840	(1.123)	48418	10.0000	12.2	
31 N-Nitrosomorpholine	56	9.809	9.881	(1.121)	61611	10.0000	11.0	
32 3&4-Methylphenol	108	9.861	9.922	(1.127)	111970	10.0000	12.0(Q)	
$ 33 Nitrobenzene-D5	82	10.058	10.088	(0.868)	105935	10.0000	11.2	
34 Nitrobenzene	77	10.089	10.129	(0.871)	105381	10.0000	11.5	
35 N-Nitrosopiperidine	114	10.451	10.502	(0.902)	55205	10.0000	11.2	
36 Isophorone	82	10.627	10.668	(0.917)	189459	10.0000	11.2	
37 2-Nitrophenol	139	10.813	10.844	(0.933)	60258	10.0000	10.8	
38 2,4-Dimethylphenol	107	11.010	11.061	(0.950)	95375	10.0000	11.8	
39 O,O,O-Triethylphosphorothioat	198	11.258	11.299	(0.971)	46081	10.0000	11.8	
40 Bis(2-Chloroethoxy)methane	93	11.217	11.247	(0.968)	131635	10.0000	11.6(H)	
41 2,4-Dichlorophenol	162	11.362	11.402	(0.980)	89690	10.0000	11.9	
42 1,2,4-Trichlorobenzene	180	11.517	11.537	(0.994)	107556	10.0000	9.66(a)	
* 43 Naphthalene-D8	136	11.589	11.609	(1.000)	1219573	40.0000		
44 Benzoic acid	122	11.279	11.558	(0.973)	45469	10.0000	11.6(aM)	M9
45 Naphthalene	128	11.631	11.651	(1.004)	303853	10.0000	9.94(a)	
46 Hexachloropropene	213	11.921	11.941	(1.029)	55920	10.0000	8.44(a)	
47 4-Chloroaniline	127	11.900	11.930	(1.027)	124388	10.0000	8.92(a)	
48 2,6-Dichlorophenol	162	11.890	11.910	(1.026)	84886	10.0000	10.0	
49 Hexachlorobutadiene	225	12.097	12.117	(1.044)	56797	10.0000	12.0	
50 A,A-Dimethylphenethylamine	58	11.662	11.972	(1.006)	122468	10.0000	8.08(aM)	M9
51 N-Nitroso-Di-N-Butylamine	84	12.769	12.810	(1.102)	63035	10.0000	10.8	
52 p-Phenylenediamine	108	12.780	12.831	(1.103)	27581	10.0000	9.59(aM)	M9
53 Caprolactam	113	12.666	12.914	(1.093)	30785	10.0000	11.3(Q)	
54 Isosafrole	162	13.142	13.172	(1.134)	76972	10.0000	10.2	
55 2-Methylnaphthalene	142	13.245	13.276	(1.143)	205109	10.0000	10.3	
56 4-Chloro-3-Methylphenol	107	13.132	13.183	(1.133)	77175	10.0000	12.3	
57 1-Methylnaphthalene	142	13.494	13.524	(1.164)	197545	10.0000	12.4	
58 Hexachlorocyclopentadiene	237	13.804	13.824	(0.877)	49276	10.0000	10.1	
59 1,2,4,5-Tetrachlorobenzene	216	13.753	13.773	(0.874)	89932	10.0000	9.04(a)	
60 Safrole	104	13.835	13.845	(0.879)	5515	10.0000	9.57(a)	
61 2,4,6-Trichlorophenol	196	14.042	14.083	(0.892)	59670	10.0000	11.6	
$ 62 2-Fluorobiphenyl	172	14.218	14.249	(0.903)	197754	10.0000	9.46	
63 2,4,5-Trichlorophenol	196	14.146	14.176	(0.899)	61656	10.0000	10.8(a)	
64 2-Chloronaphthalene	162	14.374	14.414	(0.913)	271770	10.0000	8.74(a)	
65 Diethyl Adipate	111	14.363	14.394	(0.913)	57728	10.0000	8.66(a)	
66 1,1'-Biphenyl	154	14.405	14.435	(0.915)	229417	10.0000	8.95(a)	
67 1-Chloronaphthalene	162	14.446	14.487	(0.918)	172537	10.0000	9.51(a)	
68 Diphenylether	170	14.694	14.715	(0.934)	122012	10.0000	9.68(a)	
69 2-Nitroaniline	65	14.798	14.849	(0.940)	45855	10.0000	11.0(a)	
70 1,4-Naphthoquinone	158	14.860	14.890	(0.944)	61453	10.0000	8.09(a)	
71 1,4-Dinitrobenzene	75	15.088	15.129	(0.959)	28706	10.0000	10.6	
72 Dimethyl Phthalate	163	15.357	15.408	(0.976)	174571	10.0000	11.1(M)	M6
73 1,3-Dinitrobenzene	168	15.357	15.418	(0.976)	26591	10.0000	11.8	
74 Acenaphthylene	152	15.357	15.387	(0.976)	273480	10.0000	10.4	
75 2,6-Dinitrotoluene	165	15.491	15.543	(0.984)	40767	10.0000	11.1	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.636	15.698	(0.993)	23694	10.0000	11.1	
* 77 Acenaphthene-D10	164	15.740	15.750	(1.000)	587417	40.0000		
78 Acenaphthene	153	15.802	15.843	(1.004)	171674	10.0000	9.98(a)	
79 3-Nitroaniline	138	15.802	15.853	(1.004)	40401	10.0000	11.4(a)	
80 2,4-Dinitrophenol	184	16.040	16.101	(1.019)	14409	10.0000	10.3(a)	
81 Pentachlorobenzene	250	16.247	16.277	(1.032)	74628	10.0000	12.2	
82 Dibenzofuran	168	16.185	16.215	(1.028)	230852	10.0000	12.1	
83 2,4-Dinitrotoluene	165	16.402	16.464	(1.042)	49399	10.0000	12.3	
84 1-Naphthylamine	143	16.423	16.464	(1.043)	145694	10.0000	11.5	
85 2,3,5,6-Tetrachlorophenol	232	16.537	16.567	(1.051)	45039	10.0000	11.1	
86 2,3,4,6-Tetrachlorophenol	232	16.640	16.681	(1.057)	45519	10.0000	12.0	
87 2-Naphthylamine	143	16.599	16.650	(1.055)	93397	10.0000	8.68(a)	
88 4-Nitrophenol	139	16.351	16.391	(1.039)	27479	10.0000	11.0(a)	
89 Diethylphthalate	149	17.034	17.085	(1.082)	186698	10.0000	10.3	
90 Fluorene	166	16.992	17.033	(1.080)	187258	10.0000	12.4	
91 4-Chlorophenyl-phenylether	204	17.075	17.095	(1.085)	87410	10.0000	9.87(a)	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.220	17.271	(1.094)	34021	10.0000	12.3(a)	
93 5-Nitro-O-Toluidine	152	17.199	17.271	(1.093)	47935	10.0000	12.0	
94 4-Nitroaniline	138	17.261	17.343	(1.097)	33026	10.0000	10.3(a)	
95 4,6-Dinitro-2-Methylphenol	198	17.334	17.406	(0.903)	23468	10.0000	8.12(a)	
96 N-Nitrosodiphenylamine	169	17.396	17.447	(0.906)	147385	10.0000	11.0	
97 N-Nitrosodiphenylamine/DPA	169	17.396	17.447	(0.906)	147385	10.0000	11.0	
98 1,2-Diphenylhydrazine	77	17.427	17.468	(0.908)	207957	10.0000	10.9(a)	
99 Azobenzene	77	17.427	17.468	(0.908)	207957	10.0000	10.9(a)	
$ 100 2,4,6-Tribromophenol	330	17.644	17.675	(1.121)	24862	10.0000	11.2	
101 Sulfotepp	97	18.100	18.130	(0.943)	29088	10.0000	10.8	
102 Diallate	86	18.193	18.213	(0.948)	61480	10.0000	11.5	
103 Phorate	75	18.214	18.244	(0.949)	118690	10.0000	9.39(a)	
104 4-Bromophenyl-phenylether	248	18.214	18.234	(0.949)	48534	10.0000	11.4	
105 Hexachlorobenzene	284	18.493	18.523	(0.963)	53024	10.0000	10.6	
106 1,3,5-Trinitrobenzene	213	18.245	18.358	(0.950)	9058	10.0000	9.60(a)	
107 Phenacetin	108	18.317	18.430	(0.954)	71224	10.0000	10.2	
108 Dimethoate	87	18.638	18.720	(0.971)	61692	10.0000	11.5	
109 Pentachloronitrobenzene	237	19.145	19.196	(0.997)	19991	10.0000	10.2	
110 Atrazine	200	18.824	18.875	(0.981)	40112	10.0000	9.30(a)	
111 Pentachlorophenol	266	18.969	19.020	(0.988)	28006	10.0000	9.23(a)	
112 4-Aminobiphenyl	169	18.876	18.917	(0.983)	111218	10.0000	8.78(a)	
113 Pronamide	173	19.176	19.238	(0.999)	65799	10.0000	10.6	
* 114 Phenanthrene-D10	188	19.197	19.217	(1.000)	904423	40.0000		
115 Phenanthrene	178	19.249	19.289	(1.003)	246698	10.0000	11.0	
116 Dinoseb	211	19.487	19.526	(1.015)	33881	10.0000	8.79(a)	
117 Anthracene	178	19.342	19.393	(1.008)	249508	10.0000	11.0	
118 Disulfoton	88	19.445	19.476	(1.013)	89487	10.0000	10.6	
119 Carbazole	167	19.818	19.859	(1.032)	195746	10.0000	10.6	
120 Methyl Parathion	109	20.335	20.366	(1.059)	50176	10.0000	10.9	
121 Di-n-butylphthalate	149	20.925	20.945	(1.090)	288500	10.0000	11.0	
122 4-Nitroquinoline-1-Oxide	190	21.225	21.266	(1.106)	6542	10.0000	9.78(a)	
123 Ethyl Parathion	291	21.308	21.339	(1.110)	15257	10.0000	10.1(a)	
124 Methapyrilene	97	21.546	21.566	(1.122)	50509	10.0000	11.2	
125 Isodrin	193	21.753	21.763	(1.133)	29787	10.0000	10.6	
126 Fluoranthene	202	22.074	22.105	(1.150)	224174	10.0000	11.0	
127 Benzidine	184	22.550	22.560	(0.884)	14260	10.0000	4.43(aM)	M6
128 Pyrene	202	22.581	22.612	(0.885)	231757	10.0000	11.8	
$ 129 Terphenyl-D14	244	23.109	23.129	(0.906)	132738	10.0000	11.5	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.409	23.419	(0.918)	15214	10.0000	10.5(a)	
131 p-Dimethylaminoazobenzene	225	23.502	23.533	(0.921)	38795	10.0000	10.5	
132 Chlorobenzilate	251	23.668	23.698	(0.928)	59752	10.0000	10.8	
133 Famphur	218	24.330	24.340	(0.954)	14463	10.0000	25.4	
134 3,3'-Dimethylbenzidine	212	24.320	24.330	(0.953)	29590	10.0000	8.42(a)	
135 Butylbenzylphthalate	149	24.455	24.475	(0.959)	108176	10.0000	11.1	
136 Bis(2-ethylhexyl)adipate	129	24.703	24.723	(0.968)	97048	10.0000	11.3	
137 2-Acetylaminofluorene	181	24.931	24.982	(0.977)	52761	10.0000	9.47(a)	
138 Benzo(a)anthracene	228	25.459	25.489	(0.998)	176627	10.0000	11.6	
* 139 Chrysene-D12	240	25.510	25.530	(1.000)	640839	40.0000		
140 3,3'-Dichlorobenzidine	252	25.562	25.582	(1.002)	40281	10.0000	10.2	
141 Chrysene	228	25.562	25.593	(1.002)	171211	10.0000	12.4	
143 bis(2-Ethylhexyl)phthalate	149	25.924	25.944	(1.016)	154865	10.0000	11.4	
145 Di-n-octylphthalate	149	27.311	27.331	(0.953)	226069	10.0000	10.9	
146 7,12-Dimethylbenz(A)Anthracen	256	27.943	27.983	(0.975)	69606	10.0000	12.4	
147 Benzo(b)fluoranthene	252	27.881	27.921	(0.973)	137106	10.0000	11.3	
148 Benzo(k)fluoranthene	252	27.932	27.973	(0.974)	162394	10.0000	12.5	
149 Benzo(a)pyrene	252	28.533	28.573	(0.995)	118948	10.0000	11.1	
* 150 Perylene-D12	264	28.667	28.677	(1.000)	498404	40.0000		
151 3-Methylcholanthrene	268	29.319	29.339	(1.023)	54371	10.0000	10.4	
152 Dibenz(a,j)acridine	279	30.541	30.581	(1.065)	63209	10.0000	9.27(a)	
153 Indeno(1,2,3-cd)pyrene	276	30.924	30.964	(1.079)	81396	10.0000	10.0	
154 Dibenzo(a,h)anthracene	278	30.996	31.037	(1.081)	88144	10.0000	10.6	
155 Benzo(g,h,i)perylene	276	31.565	31.616	(1.101)	106728	10.0000	11.3	
M 156 Total PAHs	100				3136065	170.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5855.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5855.D
Lab Smp Id: SSTD010U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

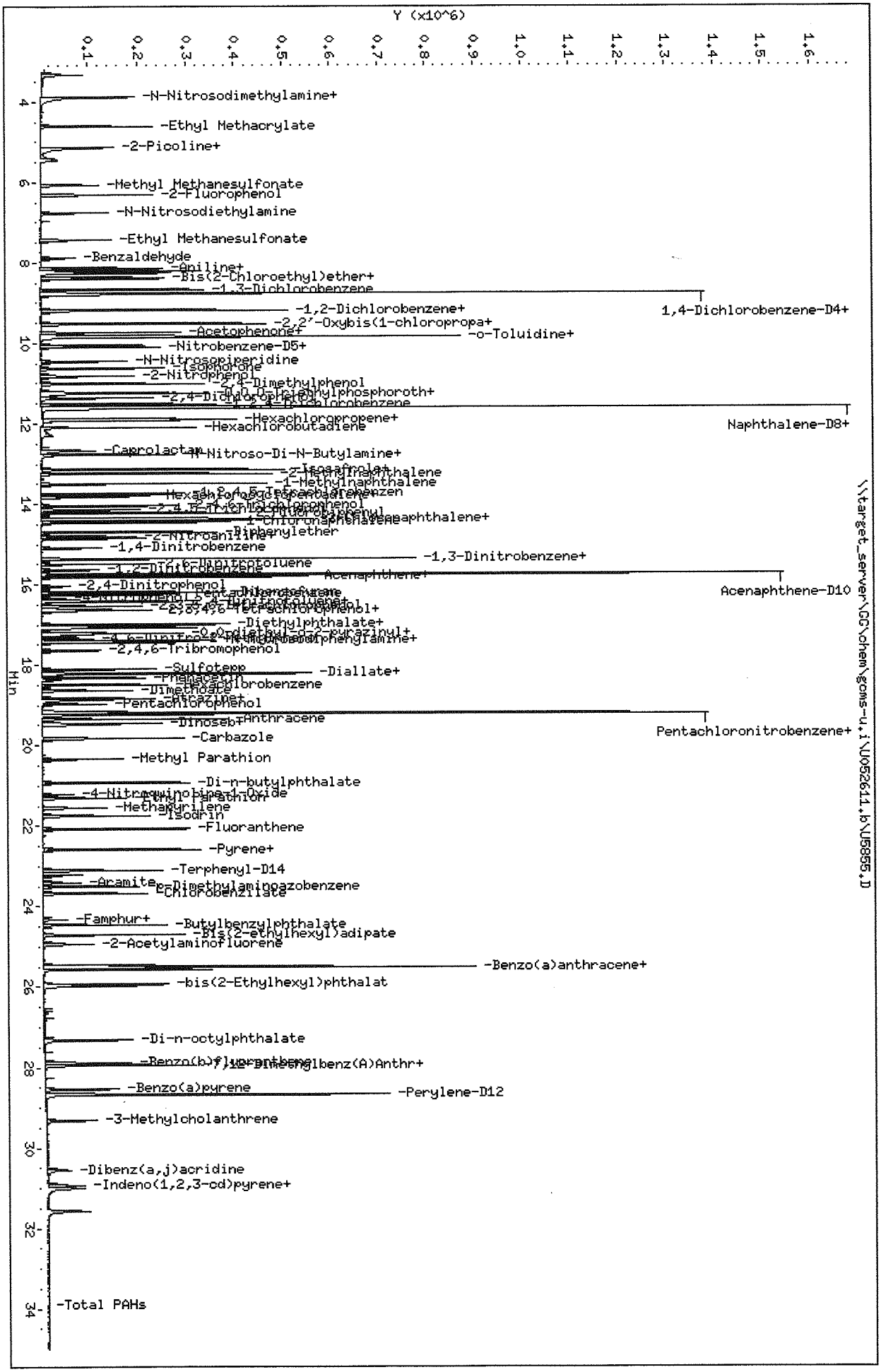
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	339646	11.31
43 Naphthalene-D8	1029934	514967	2059868	1219573	18.41
77 Acenaphthene-D10	430934	215467	861868	587417	36.31
114 Phenanthrene-D10	553474	276737	1106948	904423	63.41
139 Chrysene-D12	401451	200726	802902	640839	59.63
150 Perylene-D12	347561	173781	695122	498404	43.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.75	-0.08
43 Naphthalene-D8	11.60	11.10	12.10	11.59	-0.06
77 Acenaphthene-D10	15.75	15.25	16.25	15.74	-0.05
114 Phenanthrene-D10	19.20	18.70	19.70	19.20	-0.04
139 Chrysene-D12	25.51	25.01	26.01	25.51	0.01
150 Perylene-D12	28.66	28.16	29.16	28.67	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-u.i\U052611.b\U5855.D
Date : 26-MAY-2011 12:53
Client ID:
Sample Info: SSTD010U0526
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCC
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Lab Smp Id: SSTD025U0526
Inj Date : 26-MAY-2011 13:37 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD025U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 13:37 Cal File: U5856.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.327	3.319	(0.380)	88024	25.0000	27.6	
	2 N-Nitrosodimethylamine	42	3.896	3.919	(0.445)	119007	25.0000	26.1	
	3 Pyridine	79	3.865	3.857	(0.441)	300582	25.0000	26.4(a)	
	4 Ethyl Methacrylate	69	4.610	4.613	(0.526)	232414	25.0000	27.9	
	5 2-Picoline	93	5.117	5.110	(0.584)	331617	25.0000	27.3	
	6 N-Nitrosomethylethylamine	88	5.448	5.441	(0.622)	124444	25.0000	26.0	
	7 Methyl Methanesulfonate	80	6.059	6.093	(0.692)	147426	25.0000	26.1	
$	8 2-Fluorophenol	112	6.318	6.331	(0.721)	269553	25.0000	27.4	
	9 N-Nitrosodiethylamine	102	6.753	6.776	(0.771)	122683	25.0000	27.1	
	10 Ethyl Methanesulfonate	79	7.425	7.469	(0.848)	192566	25.0000	26.5	
	11 Benzaldehyde	77	7.881	7.883	(0.900)	48226	25.0000	23.0	
	12 Aniline	93	8.202	8.215	(0.936)	399327	25.0000	27.4	
	13 Pentachloroethane	117	8.139	8.142	(0.929)	100598	25.0000	27.5	
	14 Bis(2-Chloroethyl)ether	93	8.357	8.380	(0.954)	261008	25.0000	28.4	
$	15 Phenol-D6	99	8.243	8.277	(0.941)	310783	25.0000	27.2	
	16 Phenol	94	8.264	8.308	(0.943)	316133	25.0000	27.8	
	17 2-Chlorophenol	128	8.398	8.422	(0.959)	269059	25.0000	27.8	
	18 1,3-Dichlorobenzene	146	8.667	8.680	(0.989)	304294	25.0000	28.3	
*	19 1,4-Dichlorobenzene-D4	152	8.760	8.763	(1.000)	326269	40.0000		
	20 1,4-Dichlorobenzene	146	8.792	8.805	(1.004)	297267	25.0000	28.2	
	21 1,2-Dichlorobenzene	146	9.185	9.198	(1.048)	272716	25.0000	25.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Report Date: 27-May-2011 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.185	9.219	(1.048)	141099	25.0000	27.3	
	23 2,2'-Oxybis(1-chloropropane)	45	9.516	9.529	(1.086)	345208	25.0000	27.2	
	24 Bis(2-Chloroisopropyl)ether	45	9.516	9.529	(1.086)	345208	25.0000	27.2	
	25 2-Methylphenol	108	9.526	9.550	(1.087)	215644	25.0000	25.9	
	26 Acetophenone	105	9.733	9.767	(0.839)	312644	25.0000	27.3	
	27 N-Nitrosopyrrolidine	100	9.775	9.871	(1.116)	112950	25.0000	22.4	
	28 o-Toluidine	106	9.837	9.860	(1.123)	308004	25.0000	26.1	
	29 N-Nitroso-di-n-propylamine	70	9.837	9.902	(1.123)	144508	25.0000	26.9	
	30 Hexachloroethane	117	9.827	9.840	(1.122)	107822	25.0000	28.3	
	31 N-Nitrosomorpholine	56	9.816	9.881	(1.121)	125725	25.0000	29.2	
	32 3&4-Methylphenol	108	9.868	9.922	(1.126)	248465	25.0000	27.8	
$	33 Nitrobenzene-D5	82	10.054	10.088	(0.867)	234068	25.0000	26.4	
	34 Nitrobenzene	77	10.096	10.129	(0.871)	235699	25.0000	27.4	
	35 N-Nitrosopiperidine	114	10.448	10.502	(0.901)	121757	25.0000	26.4	
	36 Isophorone	82	10.624	10.668	(0.916)	427558	25.0000	26.8	
	37 2-Nitrophenol	139	10.820	10.844	(0.933)	143743	25.0000	27.4	
	38 2,4-Dimethylphenol	107	11.017	11.061	(0.950)	204998	25.0000	27.0	
	39 O,O,O-Triethylphosphorothioat	198	11.255	11.299	(0.971)	101371	25.0000	27.6	
	40 Bis(2-Chloroethoxy)methane	93	11.224	11.247	(0.968)	294165	25.0000	27.6	
	41 2,4-Dichlorophenol	162	11.358	11.402	(0.979)	195736	25.0000	27.5	
	42 1,2,4-Trichlorobenzene	180	11.524	11.537	(0.994)	235601	25.0000	24.4	
*	43 Naphthalene-D8	136	11.596	11.609	(1.000)	1146854	40.0000		
	44 Benzoic acid	122	11.327	11.558	(0.977)	92986	25.0000	25.2(QM)	M9
	45 Naphthalene	128	11.638	11.651	(1.004)	655135	25.0000	25.4	
	46 Hexachloropropene	213	11.928	11.941	(1.029)	133423	25.0000	23.6	
	47 4-Chloroaniline	127	11.907	11.930	(1.027)	260856	25.0000	24.5	
	48 2,6-Dichlorophenol	162	11.886	11.910	(1.025)	180964	25.0000	24.8	
	49 Hexachlorobutadiene	225	12.104	12.117	(1.044)	124791	25.0000	28.2	
	50 A,A-Dimethylphenethylamine	58	11.762	11.972	(1.014)	335206	25.0000	23.5(aM)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.776	12.810	(1.102)	133698	25.0000	24.5	
	52 p-Phenylenediamine	108	12.776	12.831	(1.102)	78414	25.0000	22.4	
	53 Caprolactam	113	12.704	12.914	(1.095)	62659	25.0000	24.4	
	54 Isosafrole	162	13.149	13.172	(1.134)	164859	25.0000	26.3	
	55 2-Methylnaphthalene	142	13.252	13.276	(1.143)	434101	25.0000	25.4	
	56 4-Chloro-3-Methylphenol	107	13.128	13.183	(1.132)	159723	25.0000	27.2	
	57 1-Methylnaphthalene	142	13.501	13.524	(1.164)	413306	25.0000	27.6	
	58 Hexachlorocyclopentadiene	237	13.811	13.824	(0.878)	116013	25.0000	27.6	
	59 1,2,4,5-Tetrachlorobenzene	216	13.749	13.773	(0.874)	191599	25.0000	24.9	
	60 Safrole	104	13.842	13.845	(0.880)	13694	25.0000	27.7	
	61 2,4,6-Trichlorophenol	196	14.049	14.083	(0.893)	122545	25.0000	27.7	
$	62 2-Fluorobiphenyl	172	14.225	14.249	(0.904)	398602	25.0000	24.6	
	63 2,4,5-Trichlorophenol	196	14.153	14.176	(0.899)	123053	25.0000	25.1	
	64 2-Chloronaphthalene	162	14.381	14.414	(0.914)	545169	25.0000	24.6	
	65 Diethyl Adipate	111	14.370	14.394	(0.913)	113208	25.0000	24.6	
	66 1,1'-Biphenyl	154	14.401	14.435	(0.915)	464792	25.0000	24.5	
	67 1-Chloronaphthalene	162	14.453	14.487	(0.918)	348488	25.0000	24.9	
	68 Diphenylether	170	14.691	14.715	(0.934)	247354	25.0000	25.4	
	69 2-Nitroaniline	65	14.805	14.849	(0.941)	90284	25.0000	25.2	
	70 1,4-Naphthoquinone	158	14.867	14.890	(0.945)	118708	25.0000	21.8	
	71 1,4-Dinitrobenzene	75	15.084	15.129	(0.959)	56382	25.0000	24.2	
	72 Dimethyl Phthalate	163	15.354	15.408	(0.976)	321462	25.0000	26.8	
	73 1,3-Dinitrobenzene	168	15.364	15.418	(0.976)	48816	25.0000	25.2	
	74 Acenaphthylene	152	15.364	15.387	(0.976)	527317	25.0000	26.2	
	75 2,6-Dinitrotoluene	165	15.498	15.543	(0.985)	80299	25.0000	25.4	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.643	15.698	(0.994)	43094	25.0000	23.4	
* 77 Acenaphthene-D10	164	15.736	15.750	(1.000)	504257	40.0000		
78 Acenaphthene	153	15.809	15.843	(1.005)	332318	25.0000	25.2	
79 3-Nitroaniline	138	15.799	15.853	(1.004)	76203	25.0000	25.0	
80 2,4-Dinitrophenol	184	16.047	16.101	(1.020)	33990	25.0000	22.7(a)	
81 Pentachlorobenzene	250	16.254	16.277	(1.033)	140478	25.0000	26.8	
82 Dibenzofuran	168	16.192	16.215	(1.029)	449234	25.0000	27.4	
83 2,4-Dinitrotoluene	165	16.409	16.464	(1.043)	90671	25.0000	26.2	
84 1-Naphthylamine	143	16.430	16.464	(1.044)	285429	25.0000	26.3	
85 2,3,5,6-Tetrachlorophenol	232	16.533	16.567	(1.051)	88536	25.0000	25.4	
86 2,3,4,6-Tetrachlorophenol	232	16.647	16.681	(1.058)	86341	25.0000	26.4	
87 2-Naphthylamine	143	16.606	16.650	(1.055)	205823	25.0000	22.3	
88 4-Nitrophenol	139	16.357	16.391	(1.039)	53073	25.0000	24.8(a)	
89 Diethylphthalate	149	17.041	17.085	(1.083)	339137	25.0000	23.6	
90 Fluorene	166	16.999	17.033	(1.080)	352333	25.0000	27.2	
91 4-Chlorophenyl-phenylether	204	17.082	17.095	(1.086)	167233	25.0000	24.0	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.227	17.271	(1.095)	63044	25.0000	26.6	
93 5-Nitro-O-Toluidine	152	17.206	17.271	(1.093)	88553	25.0000	25.9	
94 4-Nitroaniline	138	17.268	17.343	(1.097)	61686	25.0000	22.5(a)	
95 4,6-Dinitro-2-Methylphenol	198	17.341	17.406	(0.903)	46697	25.0000	21.9(a)	
96 N-Nitrosodiphenylamine	169	17.403	17.447	(0.907)	273544	25.0000	27.7	
97 N-Nitrosodiphenylamine/DPA	169	17.403	17.447	(0.907)	273544	25.0000	27.7	
98 1,2-Diphenylhydrazine	77	17.434	17.468	(0.908)	388415	25.0000	27.6	
99 Azobenzene	77	17.434	17.468	(0.908)	388415	25.0000	27.6	
$ 100 2,4,6-Tribromophenol	330	17.641	17.675	(1.121)	45973	25.0000	24.2	
101 Sulfotepp	97	18.107	18.130	(0.943)	51747	25.0000	25.9	
102 Diallate	86	18.200	18.213	(0.948)	110102	25.0000	28.0	
103 Phorate	75	18.210	18.244	(0.949)	217206	25.0000	26.9	
104 4-Bromophenyl-phenylether	248	18.210	18.234	(0.949)	87434	25.0000	27.8	
105 Hexachlorobenzene	284	18.500	18.523	(0.964)	94500	25.0000	25.6	
106 1,3,5-Trinitrobenzene	213	18.252	18.358	(0.951)	19568	25.0000	23.4(Q)	
107 Phenacetin	108	18.324	18.430	(0.955)	114406	25.0000	22.1	
108 Dimethoate	87	18.645	18.720	(0.971)	109132	25.0000	27.5	
109 Pentachloronitrobenzene	237	19.152	19.196	(0.998)	35078	25.0000	24.3	
110 Atrazine	200	18.831	18.875	(0.981)	65729	25.0000	21.8	
111 Pentachlorophenol	266	18.966	19.020	(0.988)	51519	25.0000	23.0(a)	
112 4-Aminobiphenyl	169	18.873	18.917	(0.983)	231059	25.0000	24.7	
113 Pronamide	173	19.183	19.238	(0.999)	115999	25.0000	25.4	
* 114 Phenanthrene-D10	188	19.193	19.217	(1.000)	668017	40.0000		
115 Phenanthrene	178	19.245	19.289	(1.003)	432798	25.0000	26.1	
116 Dinoseb	211	19.494	19.526	(1.016)	67890	25.0000	23.8	
117 Anthracene	178	19.349	19.393	(1.008)	430651	25.0000	25.6	
118 Disulfoton	88	19.452	19.476	(1.013)	159952	25.0000	25.7	
119 Carbazole	167	19.825	19.859	(1.033)	331587	25.0000	24.4	
120 Methyl Parathion	109	20.342	20.366	(1.060)	89004	25.0000	26.2	
121 Di-n-butylphthalate	149	20.922	20.945	(1.090)	488856	25.0000	25.2	
122 4-Nitroquinoline-1-Oxide	190	21.222	21.266	(1.106)	15362	25.0000	21.3(a)	
123 Ethyl Parathion	291	21.315	21.339	(1.111)	25127	25.0000	22.6(a)	
124 Methapyrilene	97	21.543	21.566	(1.122)	88468	25.0000	26.6	
125 Isodrin	193	21.750	21.763	(1.133)	52576	25.0000	25.4	
126 Fluoranthene	202	22.071	22.105	(1.150)	378024	25.0000	25.1	
127 Benzidine	184	22.537	22.560	(0.884)	43057	25.0000	17.9(a)	
128 Pyrene	202	22.588	22.612	(0.886)	383820	25.0000	26.2	
$ 129 Terphenyl-D14	244	23.106	23.129	(0.906)	223991	25.0000	25.9	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.406	23.419	(0.918)	28457	25.0000	26.2	
131 p-Dimethylaminoazobenzene	225	23.509	23.533	(0.922)	69738	25.0000	25.2	
132 Chlorobenzilate	251	23.675	23.698	(0.928)	103487	25.0000	25.1	
133 Famphur	218	24.327	24.340	(0.954)	14491	25.0000	34.1	
134 3,3'-Dimethylbenzidine	212	24.317	24.330	(0.953)	81959	25.0000	24.0	
135 Butylbenzylphthalate	149	24.462	24.475	(0.959)	191970	25.0000	26.3	
136 Bis(2-ethylhexyl)adipate	129	24.710	24.723	(0.969)	163899	25.0000	25.6	
137 2-Acetylaminofluorene	181	24.938	24.982	(0.978)	104971	25.0000	25.2	
138 Benzo(a)anthracene	228	25.466	25.489	(0.998)	297588	25.0000	26.2	
* 139 Chrysene-D12	240	25.507	25.530	(1.000)	478513	40.0000		
140 3,3'-Dichlorobenzidine	252	25.569	25.582	(1.002)	78734	25.0000	26.7	
141 Chrysene	228	25.559	25.593	(1.002)	278383	25.0000	26.9	
143 bis(2-Ethylhexyl)phthalate	149	25.931	25.944	(1.017)	261726	25.0000	25.8	
145 Di-n-octylphthalate	149	27.318	27.331	(0.953)	416819	25.0000	23.8	
146 7,12-Dimethylbenz(A)Anthracen	256	27.950	27.983	(0.975)	124979	25.0000	26.4	
147 Benzo(b)fluoranthene	252	27.888	27.921	(0.973)	241592	25.0000	23.6	
148 Benzo(k)fluoranthene	252	27.939	27.973	(0.974)	297830	25.0000	27.1	
149 Benzo(a)pyrene	252	28.540	28.573	(0.995)	226153	25.0000	25.0	
* 150 Perylene-D12	264	28.674	28.677	(1.000)	421672	40.0000		
151 3-Methylcholanthrene	268	29.316	29.339	(1.022)	115481	25.0000	26.0	
152 Dibenz(a,j)acridine	279	30.548	30.581	(1.065)	145588	25.0000	25.2	
153 Indeno(1,2,3-cd)pyrene	276	30.930	30.964	(1.079)	174795	25.0000	25.5	
154 Dibenzo(a,h)anthracene	278	31.003	31.037	(1.081)	186728	25.0000	26.4	
155 Benzo(g,h,i)perylene	276	31.572	31.616	(1.101)	210393	25.0000	26.3	
M 156 Total PAHs	100				5839959	425.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5856.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5856.D
Lab Smp Id: SSTD025U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

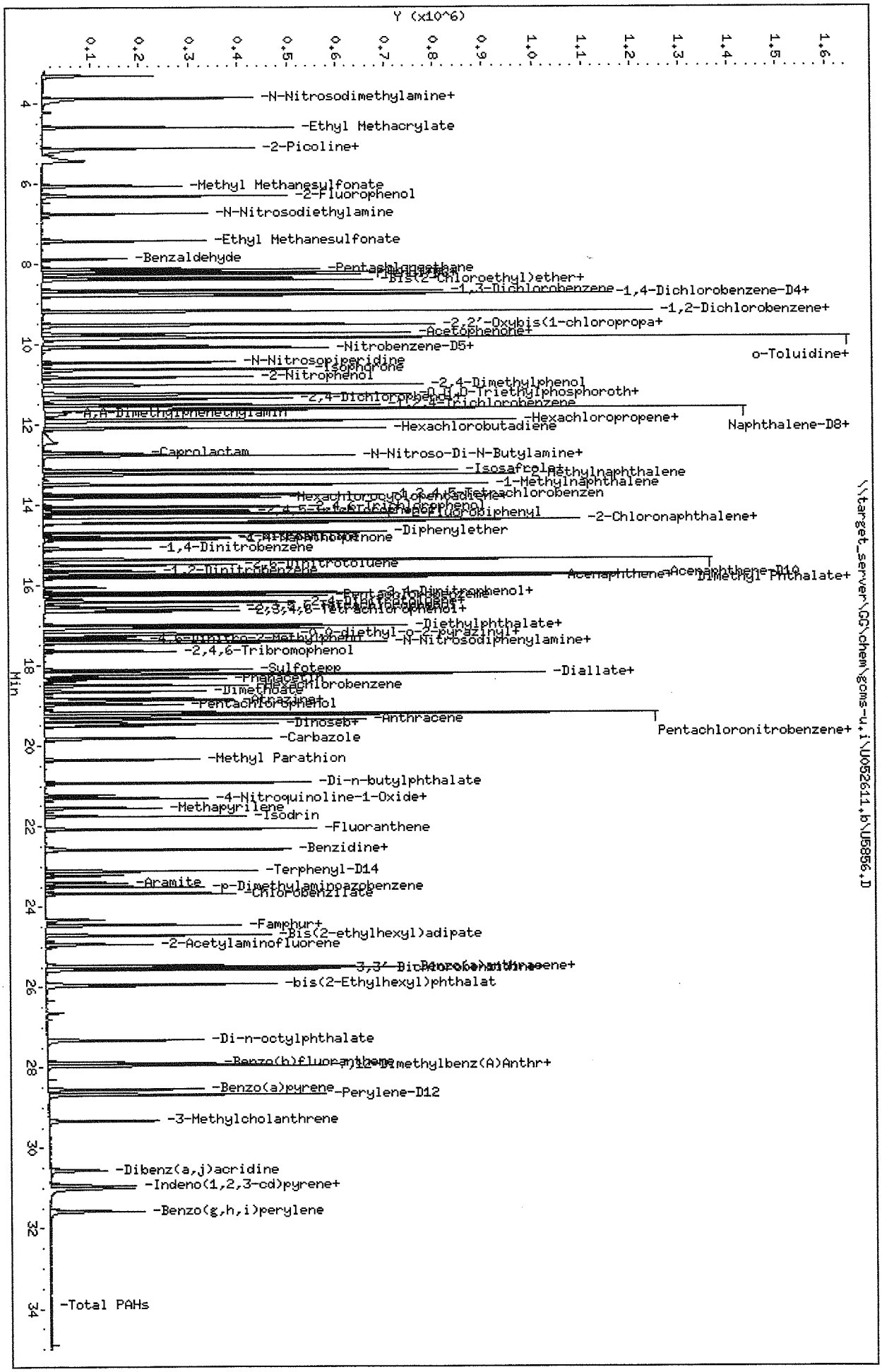
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	326269	6.93
43 Naphthalene-D8	1029934	514967	2059868	1146854	11.35
77 Acenaphthene-D10	430934	215467	861868	504257	17.01
114 Phenanthrene-D10	553474	276737	1106948	668017	20.70
139 Chrysene-D12	401451	200726	802902	478513	19.20
150 Perylene-D12	347561	173781	695122	421672	21.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.00
43 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.00
77 Acenaphthene-D10	15.75	15.25	16.25	15.74	-0.07
114 Phenanthrene-D10	19.20	18.70	19.70	19.19	-0.05
139 Chrysene-D12	25.51	25.01	26.01	25.51	-0.00
150 Perylene-D12	28.66	28.16	29.16	28.67	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-u.i\U052611.b\U5856.D
Date : 26-MAY-2011 13:37
Client ID:
Sample Info: SSTD025U0526
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCC
Column diameter: 0.25
\\target_server\GC\chem\gcms-u.i\U052611.b\U5856.D
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone+
-Nitrobenzene-D5+
o-Toluidine+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorophenol
-O,O,D-Triethylphosphoroth+
-1,2,4-Trichlorobenzene
-A,A-Dimethylphenethylamin
-Hexachloropropene+
-Hexachlorobutadiene
Naphthalene-D8+
-Caprolactam
-N-Nitroso-Di-N-Butylamine+
-Isosafrole+
-2-Methylnaphthalene
-1-Methylnaphthalene
-Hexachlorocyclopentadiene
-1,2,4,5-Tetrachlorobenzen
-2,4,5-Trichlorophenol
-2-Fluorobiphenyl
-2-Chloronaphthalene+
-Diphenylether
-4-Nitroaniline
-1,4-Dinitrobenzene
-2,6-Dinitrotoluene
-1,2-Dinitrobenzene
Acenaphthene+
-Acenaphthene-D10
Dimethyl Phthalate+
-Dibutylphthalate
-2,4-Dinitrophenol+
-2-Nitrophenol
-2,3,4,6-Tetrachlorophenol+
-Diethylphthalate+
-4,6-Dinitro-2-Methylphenol
-O,O,O-diethyl-o-2-pyrazinyl+
-N-Nitrosodiphenylamine+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-Phenacetin
-Hexachlorobenzene
-Dimethoate
-Atrazine+
-Pentachlorophenol
-Anthracene
-Dinoseb+
Pentachloronitrobenzene+
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide+
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-3,3'-Dichlorobenzidine+
-Benzo(a)anthracene+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-Benzo(b)fluoranthene
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Lab Smp Id: SSTD075U0526
Inj Date : 26-MAY-2011 14:22 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD075U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 14:22 Cal File: U5857.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 * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.317	3.319	(0.379)	238606	75.0000	71.5	
	2 N-Nitrosodimethylamine	42	3.907	3.919	(0.446)	343991	75.0000	72.0	
	3 Pyridine	79	3.855	3.857	(0.440)	705688	75.0000	59.2	
	4 Ethyl Methacrylate	69	4.600	4.613	(0.525)	611479	75.0000	70.1	
	5 2-Picoline	93	5.107	5.110	(0.583)	888810	75.0000	69.9	
	6 N-Nitrosomethylethylamine	88	5.438	5.441	(0.621)	371770	75.0000	74.2	
	7 Methyl Methanesulfonate	80	6.080	6.093	(0.694)	425029	75.0000	71.9	
$	8 2-Fluorophenol	112	6.328	6.331	(0.722)	732788	75.0000	71.2	
	9 N-Nitrosodiethylamine	102	6.763	6.776	(0.772)	344902	75.0000	72.8	
	10 Ethyl Methanesulfonate	79	7.446	7.469	(0.850)	554246	75.0000	72.7	
	11 Benzaldehyde	77	7.881	7.883	(0.900)	119792	75.0000	54.5	
	12 Aniline	93	8.212	8.215	(0.937)	1077893	75.0000	70.6	
	13 Pentachloroethane	117	8.140	8.142	(0.929)	271894	75.0000	70.9	
	14 Bis(2-Chloroethyl)ether	93	8.367	8.380	(0.955)	674546	75.0000	70.1	
$	15 Phenol-D6	99	8.264	8.277	(0.943)	854941	75.0000	71.6	
	16 Phenol	94	8.285	8.308	(0.946)	839043	75.0000	70.5	
	17 2-Chlorophenol	128	8.409	8.422	(0.960)	715636	75.0000	70.7	
	18 1,3-Dichlorobenzene	146	8.678	8.680	(0.991)	789292	75.0000	70.1	
*	19 1,4-Dichlorobenzene-D4	152	8.761	8.763	(1.000)	341659	40.0000		
	20 1,4-Dichlorobenzene	146	8.792	8.805	(1.004)	759941	75.0000	68.8	
	21 1,2-Dichlorobenzene	146	9.185	9.198	(1.048)	692938	75.0000	74.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Report Date: 27-May-2011 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.206	9.219	(1.051)	376751	75.0000	69.5	
	23 2,2'-Oxybis(1-chloropropane)	45	9.516	9.529	(1.086)	939727	75.0000	70.7	
	24 Bis(2-Chloroisopropyl)ether	45	9.516	9.529	(1.086)	939727	75.0000	70.6	
	25 2-Methylphenol	108	9.547	9.550	(1.090)	631691	75.0000	72.5(M)	M9
	26 Acetophenone	105	9.754	9.767	(0.841)	884526	75.0000	70.5	
	27 N-Nitrosopyrrolidine	100	9.827	9.871	(1.122)	291119	75.0000	79.0	
	28 o-Toluidine	106	9.858	9.860	(1.125)	785398	75.0000	74.4(Q)	
	29 N-Nitroso-di-n-propylamine	70	9.879	9.902	(1.128)	400740	75.0000	71.2	
	30 Hexachloroethane	117	9.837	9.840	(1.123)	266514	75.0000	66.8	
	31 N-Nitrosomorpholine	56	9.858	9.881	(1.125)	308758	75.0000	75.3	
	32 3&4-Methylphenol	108	9.899	9.922	(1.130)	664229	75.0000	70.8(Q)	
$	33 Nitrobenzene-D5	82	10.075	10.088	(0.869)	691256	75.0000	71.0	
	34 Nitrobenzene	77	10.117	10.129	(0.872)	658515	75.0000	69.7	
	35 N-Nitrosopiperidine	114	10.479	10.502	(0.904)	367450	75.0000	72.6	
	36 Isophorone	82	10.655	10.668	(0.919)	1262955	75.0000	72.2	
	37 2-Nitrophenol	139	10.831	10.844	(0.934)	412340	75.0000	71.5	
	38 2,4-Dimethylphenol	107	11.038	11.061	(0.952)	590741	75.0000	70.8	
	39 O,O,O-Triethylphosphorothioat	198	11.276	11.299	(0.972)	281606	75.0000	69.8	
	40 Bis(2-Chloroethoxy)methane	93	11.234	11.247	(0.969)	847923	75.0000	72.5	
	41 2,4-Dichlorophenol	162	11.390	11.402	(0.982)	559367	75.0000	71.7	
	42 1,2,4-Trichlorobenzene	180	11.524	11.537	(0.994)	631257	75.0000	73.8	
*	43 Naphthalene-D8	136	11.597	11.609	(1.000)	1258002	40.0000		
	44 Benzoic acid	122	11.483	11.558	(0.990)	270778	75.0000	67.0(QM)	M9
	45 Naphthalene	128	11.648	11.651	(1.004)	1695173	75.0000	72.9	
	46 Hexachloropropene	213	11.928	11.941	(1.029)	348405	75.0000	76.2	
	47 4-Chloroaniline	127	11.918	11.930	(1.028)	613498	75.0000	76.4	
	48 2,6-Dichlorophenol	162	11.907	11.910	(1.027)	492842	75.0000	75.4	
	49 Hexachlorobutadiene	225	12.104	12.117	(1.044)	332639	75.0000	68.5	
	50 A,A-Dimethylphenethylamine	58	12.011	11.972	(1.036)	1414054	75.0000	90.4(TM)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.797	12.810	(1.104)	457844	75.0000	76.4	
	52 p-Phenylenediamine	108	12.808	12.831	(1.104)	341029	75.0000	76.7	
	53 Caprolactam	113	12.849	12.914	(1.108)	207033	75.0000	73.5(Q)	
	54 Isosafrole	162	13.160	13.172	(1.135)	418990	75.0000	72.1	
	55 2-Methylnaphthalene	142	13.263	13.276	(1.144)	1178597	75.0000	74.6	
	56 4-Chloro-3-Methylphenol	107	13.160	13.183	(1.135)	443513	75.0000	68.7	
	57 1-Methylnaphthalene	142	13.511	13.524	(1.165)	1151581	75.0000	70.2	
	58 Hexachlorocyclopentadiene	237	13.812	13.824	(0.877)	360160	75.0000	71.7	
	59 1,2,4,5-Tetrachlorobenzene	216	13.760	13.773	(0.874)	541486	75.0000	73.2	
	60 Safrole	104	13.843	13.845	(0.879)	43940	75.0000	74.2	
	61 2,4,6-Trichlorophenol	196	14.070	14.083	(0.894)	368280	75.0000	69.6	
$	62 2-Fluorobiphenyl	172	14.236	14.249	(0.904)	1142243	75.0000	72.8	
	63 2,4,5-Trichlorophenol	196	14.174	14.176	(0.900)	434815	75.0000	74.1	
	64 2-Chloronaphthalene	162	14.402	14.414	(0.915)	1388292	75.0000	72.1	
	65 Diethyl Adipate	111	14.381	14.394	(0.913)	283574	75.0000	73.0	
	66 1,1'-Biphenyl	154	14.422	14.435	(0.916)	1243874	75.0000	73.1	
	67 1-Chloronaphthalene	162	14.474	14.487	(0.919)	984186	75.0000	72.0	
	68 Diphenylether	170	14.712	14.715	(0.934)	719417	75.0000	74.2	
	69 2-Nitroaniline	65	14.836	14.849	(0.942)	319480	75.0000	74.7	
	70 1,4-Naphthoquinone	158	14.878	14.890	(0.945)	322833	75.0000	81.2	
	71 1,4-Dinitrobenzene	75	15.116	15.129	(0.960)	205998	75.0000	73.9	
	72 Dimethyl Phthalate	163	15.385	15.408	(0.977)	896423	75.0000	71.4	
	73 1,3-Dinitrobenzene	168	15.395	15.418	(0.978)	166226	75.0000	71.7	
	74 Acenaphthylene	152	15.374	15.387	(0.976)	1460919	75.0000	71.3	
	75 2,6-Dinitrotoluene	165	15.519	15.543	(0.986)	274383	75.0000	72.6	

Jm 5/27/11

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.675	15.698	(0.995)	158268	75.0000	72.0	
* 77 Acenaphthene-D10	164	15.747	15.750	(1.000)	603513	40.0000		
78 Acenaphthene	153	15.830	15.843	(1.005)	931489	75.0000	72.5	
79 3-Nitroaniline	138	15.830	15.853	(1.005)	249859	75.0000	68.4	
80 2,4-Dinitrophenol	184	16.078	16.101	(1.021)	167147	75.0000	75.8	
81 Pentachlorobenzene	250	16.275	16.277	(1.034)	445640	75.0000	71.0	
82 Dibenzofuran	168	16.202	16.215	(1.029)	1373152	75.0000	70.1	
83 2,4-Dinitrotoluene	165	16.441	16.464	(1.044)	291397	75.0000	70.5	
84 1-Naphthylamine	143	16.451	16.464	(1.045)	925612	75.0000	71.2	
85 2,3,5,6-Tetrachlorophenol	232	16.554	16.567	(1.051)	305549	75.0000	73.1	
86 2,3,4,6-Tetrachlorophenol	232	16.668	16.681	(1.058)	283218	75.0000	72.4	
87 2-Naphthylamine	143	16.637	16.650	(1.057)	880847	75.0000	79.7	
88 4-Nitrophenol	139	16.368	16.391	(1.039)	176855	75.0000	68.9	
89 Diethylphthalate	149	17.062	17.085	(1.083)	1055059	75.0000	76.7	
90 Fluorene	166	17.020	17.033	(1.081)	1084190	75.0000	69.8	
91 4-Chlorophenyl-phenylether	204	17.093	17.095	(1.085)	497307	75.0000	75.5	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.258	17.271	(1.096)	206715	75.0000	73.0	
93 5-Nitro-O-Toluidine	152	17.248	17.271	(1.095)	292618	75.0000	71.4	
94 4-Nitroaniline	138	17.310	17.343	(1.099)	240422	75.0000	73.3	
95 4,6-Dinitro-2-Methylphenol	198	17.382	17.406	(0.905)	201376	75.0000	81.7	
96 N-Nitrosodiphenylamine	169	17.424	17.447	(0.907)	838471	75.0000	73.6	
97 N-Nitrosodiphenylamine/DPA	169	17.424	17.447	(0.907)	838471	75.0000	73.6	
98 1,2-Diphenylhydrazine	77	17.455	17.468	(0.909)	1189095	75.0000	73.1	
99 Azobenzene	77	17.455	17.468	(0.909)	1189095	75.0000	73.1	
$ 100 2,4,6-Tribromophenol	330	17.662	17.675	(1.122)	167970	75.0000	73.7	
101 Sulfotepp	97	18.117	18.130	(0.943)	173182	75.0000	75.0	
102 Diallate	86	18.210	18.213	(0.948)	323926	75.0000	71.3	
103 Phorate	75	18.231	18.244	(0.949)	584160	75.0000	75.6	
104 4-Bromophenyl-phenylether	248	18.231	18.234	(0.949)	259810	75.0000	71.4	
105 Hexachlorobenzene	284	18.511	18.523	(0.964)	317671	75.0000	74.5	
106 1,3,5-Trinitrobenzene	213	18.314	18.358	(0.954)	87871	75.0000	76.1	
107 Phenacetin	108	18.386	18.430	(0.957)	441877	75.0000	74.0	
108 Dimethoate	87	18.687	18.720	(0.973)	335709	75.0000	73.2	
109 Pentachloronitrobenzene	237	19.183	19.196	(0.999)	127719	75.0000	76.6	
110 Atrazine	200	18.862	18.875	(0.982)	200967	75.0000	80.4	
111 Pentachlorophenol	266	18.997	19.020	(0.989)	197669	75.0000	76.4	
112 4-Aminobiphenyl	169	18.894	18.917	(0.984)	827253	75.0000	76.6	
113 Pronamide	173	19.214	19.238	(1.001)	381559	75.0000	72.3	
* 114 Phenanthrene-D10	188	19.204	19.217	(1.000)	771439	40.0000		
115 Phenanthrene	178	19.266	19.289	(1.003)	1403360	75.0000	73.2	
116 Dinoseb	211	19.515	19.526	(1.016)	268316	75.0000	81.6	
117 Anthracene	178	19.370	19.393	(1.009)	1428381	75.0000	73.7	
118 Disulfoton	88	19.463	19.476	(1.013)	539372	75.0000	75.1	
119 Carbazole	167	19.846	19.859	(1.033)	1147693	75.0000	73.0	
120 Methyl Parathion	109	20.353	20.366	(1.060)	289154	75.0000	73.8	
121 Di-n-butylphthalate	149	20.932	20.945	(1.090)	1636543	75.0000	73.0	
122 4-Nitroquinoline-1-Oxide	190	21.253	21.266	(1.107)	86040	75.0000	77.2	
123 Ethyl Parathion	291	21.326	21.339	(1.110)	99477	75.0000	77.4(Q)	
124 Methapyrilene	97	21.553	21.566	(1.122)	281024	75.0000	73.2	
125 Isodrin	193	21.760	21.763	(1.133)	178970	75.0000	74.9	
126 Fluoranthene	202	22.092	22.105	(1.150)	1259091	75.0000	72.4	
127 Benzidine	184	22.547	22.560	(0.884)	234202	75.0000	83.9	
128 Pyrene	202	22.599	22.612	(0.886)	1250269	75.0000	73.7	
$ 129 Terphenyl-D14	244	23.116	23.129	(0.906)	756353	75.0000	75.4	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.417	23.419	(0.918)	97637	75.0000	77.6	
131 p-Dimethylaminoazobenzene	225	23.520	23.533	(0.922)	246451	75.0000	76.9	
132 Chlorobenzilate	251	23.686	23.698	(0.928)	371162	75.0000	77.7	
133 Famphur	218	24.338	24.340	(0.954)	24641	75.0000	50.0	
134 3,3'-Dimethylbenzidine	212	24.327	24.330	(0.953)	323758	75.0000	74.2	
135 Butylbenzylphthalate	149	24.462	24.475	(0.959)	635481	75.0000	75.0	
136 Bis(2-ethylhexyl)adipate	129	24.710	24.723	(0.968)	574979	75.0000	77.2	
137 2-Acetylaminofluorene	181	24.959	24.982	(0.978)	355623	75.0000	73.7	
138 Benzo(a)anthracene	228	25.476	25.489	(0.998)	934633	75.0000	71.0	
* 139 Chrysene-D12	240	25.518	25.530	(1.000)	555232	40.0000		
140 3,3'-Dichlorobenzidine	252	25.569	25.582	(1.002)	249061	75.0000	72.8	
141 Chrysene	228	25.580	25.593	(1.002)	842256	75.0000	70.2	
143 bis(2-Ethylhexyl)phthalate	149	25.942	25.944	(1.017)	885763	75.0000	75.4	
145 Di-n-octylphthalate	149	27.319	27.331	(0.953)	1411492	75.0000	80.4	
146 7,12-Dimethylbenz(A)Anthracen	256	27.960	27.983	(0.975)	345221	75.0000	72.6	
147 Benzo(b)fluoranthene	252	27.898	27.921	(0.973)	765039	75.0000	74.6	
148 Benzo(k)fluoranthene	252	27.950	27.973	(0.975)	765501	75.0000	69.6	
149 Benzo(a)pyrene	252	28.550	28.573	(0.996)	658726	75.0000	72.6	
* 150 Perylene-D12	264	28.674	28.677	(1.000)	422725	40.0000		
151 3-Methylcholanthrene	268	29.326	29.339	(1.023)	330581	75.0000	74.4	
152 Dibenz(a,j)acridine	279	30.558	30.581	(1.066)	430578	75.0000	74.5	
153 Indeno(1,2,3-cd)pyrene	276	30.951	30.964	(1.079)	497421	75.0000	72.4	
154 Dibenzo(a,h)anthracene	278	31.014	31.037	(1.082)	512229	75.0000	72.3	
155 Benzo(g,h,i)perylene	276	31.593	31.616	(1.102)	559069	75.0000	69.8	
M 156 Total PAHs	100				17226343	1275.00	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5857.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5857.D
Lab Smp Id: SSTD075U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

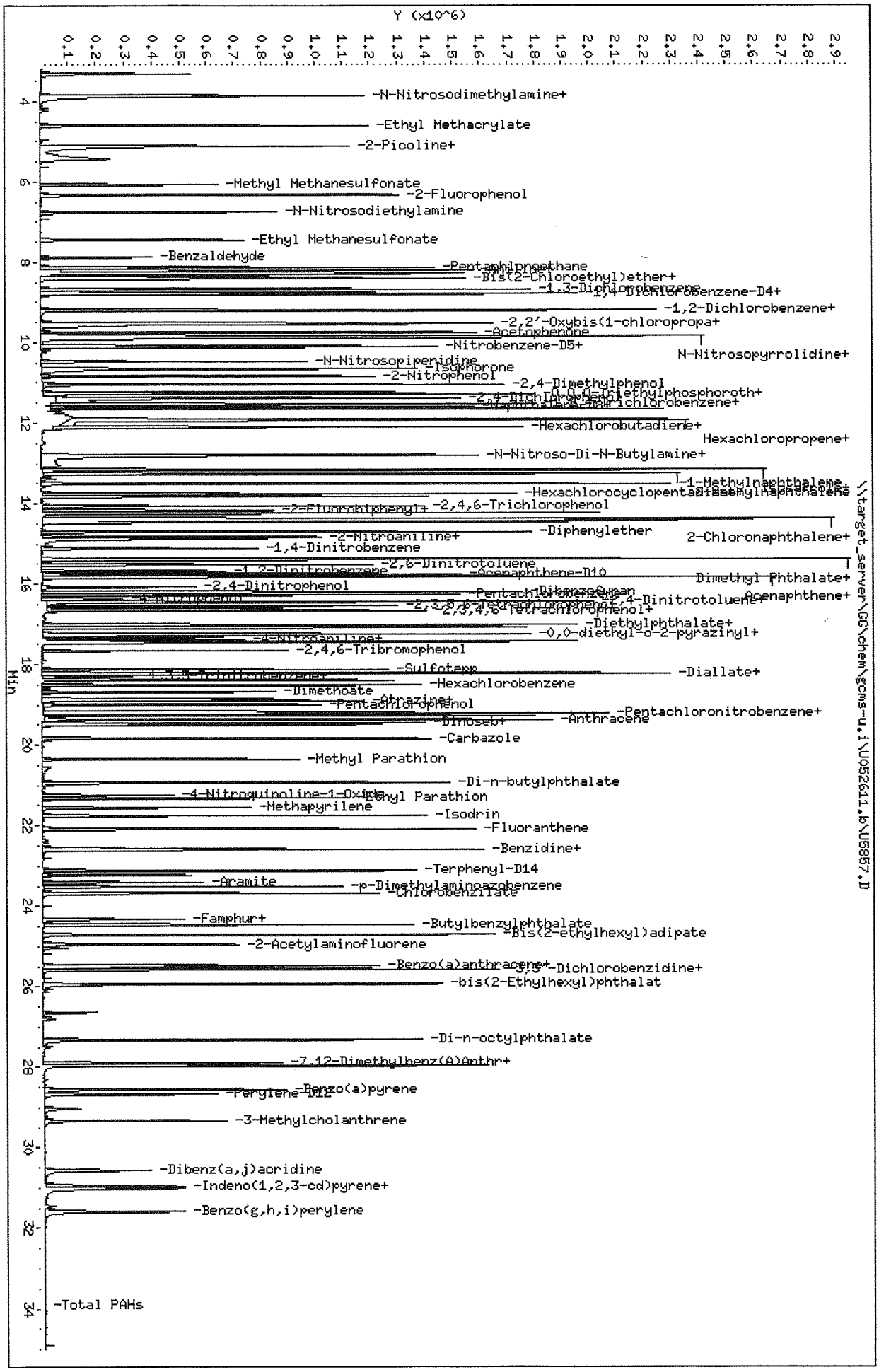
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	341659	11.97
43 Naphthalene-D8	1029934	514967	2059868	1258002	22.14
77 Acenaphthene-D10	430934	215467	861868	603513	40.05
114 Phenanthrene-D10	553474	276737	1106948	771439	39.38
139 Chrysene-D12	401451	200726	802902	555232	38.31
150 Perylene-D12	347561	173781	695122	422725	21.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.00
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.00
114 Phenanthrene-D10	19.20	18.70	19.70	19.20	0.00
139 Chrysene-D12	25.51	25.01	26.01	25.52	0.04
150 Perylene-D12	28.66	28.16	29.16	28.67	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-u.i\U052611.b\U5857.D
Date : 26-MAY-2011 14:22
Client ID:
Sample Info: SSTD075U0526
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25
\\target_server\GC\chem\gcms-u.i\U052611.b\U5857.D
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone
-Nitrobenzene-D5+
N-Nitrosopyrrolidine+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-2,4-Dichlorobenzene+
-Hexachlorobutadiene+
Hexachloropropene+
-N-Nitroso-Di-N-Butylamine+
-1-Methylnaphthalene
-Hexachlorocyclopentadiene
-2-Fluorobiphenyl+
-2,4,6-Trichlorophenol
-Diphenylether
2-Chloronaphthalene+
-2-Nitroaniline+
-1,4-Dinitrobenzene
-2,6-Dinitrotoluene
-1,2-Dinitrobenzene
-Acenaphthene-D10
Dimethyl Phthalate+
-2,4-Dinitrophenol
-Dibenzofuran
-Pentachlorobenzene
-2,4-Dinitrotoluene+
-2,3,5,6-Tetrachlorophenol
-2,3,4,6-Tetrachlorophenol+
-Diethylphthalate+
-4-Nitroaniline+
-0,0-diethyl-o-2-pyrazinyl+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-1,3,5-Trinitrobenzene+
-Hexachlorobenzene
-Dimethoate
-Atrazine+
-Pentachlorophenol
-Pentachloronitrobenzene+
-Dinoseb+
-Anthracene
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-Benzo(a)anthracene+
-3,3'-Dichlorobenzidine+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Benzo(a)pyrene
-Perylene-D12
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Lab Smp Id: SSTD100U0526
Inj Date : 26-MAY-2011 15:06 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD100U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 15:06 Cal File: U5858.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.317	3.319	(0.379)	324058	100.000	91.2	
	2 N-Nitrosodimethylamine	42	3.907	3.919	(0.446)	481779	100.000	94.7	
	3 Pyridine	79	3.856	3.857	(0.440)	1240613	100.000	97.8	
	4 Ethyl Methacrylate	69	4.601	4.613	(0.525)	832014	100.000	89.6	
	5 2-Picoline	93	5.108	5.110	(0.583)	1247064	100.000	92.2	
	6 N-Nitrosomethylethylamine	88	5.439	5.441	(0.621)	523736	100.000	98.2	
	7 Methyl Methanesulfonate	80	6.091	6.093	(0.695)	610671	100.000	97.0	
$	8 2-Fluorophenol	112	6.329	6.331	(0.722)	1005115	100.000	91.8	
	9 N-Nitrosodiethylamine	102	6.774	6.776	(0.773)	469165	100.000	93.0	
	10 Ethyl Methanesulfonate	79	7.458	7.469	(0.851)	779827	100.000	96.2	
	11 Benzaldehyde	77	7.882	7.883	(0.900)	444735	100.000	190(A)	
	12 Aniline	93	8.213	8.215	(0.937)	1526245	100.000	94.0	
	13 Pentachloroethane	117	8.141	8.142	(0.929)	363985	100.000	89.2	
	14 Bis(2-Chloroethyl)ether	93	8.379	8.380	(0.956)	902782	100.000	88.2	
$	15 Phenol-D6	99	8.275	8.277	(0.944)	1187797	100.000	93.4	
	16 Phenol	94	8.306	8.308	(0.948)	1145184	100.000	90.4(H)	
	17 2-Chlorophenol	128	8.420	8.422	(0.961)	1002632	100.000	93.1	
	18 1,3-Dichlorobenzene	146	8.679	8.680	(0.991)	1064968	100.000	88.9	
*	19 1,4-Dichlorobenzene-D4	152	8.762	8.763	(1.000)	363561	40.0000		
	20 1,4-Dichlorobenzene	146	8.803	8.805	(1.005)	1042187	100.000	88.6	
	21 1,2-Dichlorobenzene	146	9.196	9.198	(1.050)	935645	100.000	102	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Report Date: 27-May-2011 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.217	9.219	(1.052)	552359	100.000	95.8	
	23 2,2'-Oxybis(1-chloropropane)	45	9.528	9.529	(1.087)	1312022	100.000	92.8	
	24 Bis(2-Chloroisopropyl)ether	45	9.528	9.529	(1.087)	1312022	100.000	92.7	
	25 2-Methylphenol	108	9.559	9.550	(1.091)	923110	100.000	99.6	
	26 Acetophenone	105	9.766	9.767	(0.841)	1228603	100.000	90.1	
	27 N-Nitrosopyrrolidine	100	9.859	9.871	(1.125)	348462	100.000	94.8	
	28 o-Toluidine	106	9.859	9.860	(1.125)	1065122	100.000	100	
	29 N-Nitroso-di-n-propylamine	70	9.900	9.902	(1.130)	544751	100.000	91.0	
	30 Hexachloroethane	117	9.838	9.840	(1.123)	374754	100.000	88.3	
	31 N-Nitrosomorpholine	56	9.879	9.881	(1.128)	434872	100.000	101	
	32 3&4-Methylphenol	108	9.921	9.922	(1.132)	910530	100.000	91.3	
$	33 Nitrobenzene-D5	82	10.086	10.088	(0.869)	992382	100.000	93.8	
	34 Nitrobenzene	77	10.128	10.129	(0.873)	932347	100.000	90.8	
	35 N-Nitrosopiperidine	114	10.490	10.502	(0.904)	521073	100.000	94.7	
	36 Isophorone	82	10.666	10.668	(0.919)	1812528	100.000	95.4	
	37 2-Nitrophenol	139	10.842	10.844	(0.934)	595428	100.000	95.1	
	38 2,4-Dimethylphenol	107	11.059	11.061	(0.953)	812369	100.000	89.6	
	39 O,O,O-Triethylphosphorothioat	198	11.297	11.299	(0.973)	390681	100.000	89.2	
	40 Bis(2-Chloroethoxy)methane	93	11.246	11.247	(0.969)	1115569	100.000	87.8	
	41 2,4-Dichlorophenol	162	11.401	11.402	(0.982)	770000	100.000	90.9	
	42 1,2,4-Trichlorobenzene	180	11.535	11.537	(0.994)	860853	100.000	100	
*	43 Naphthalene-D8	136	11.608	11.609	(1.000)	1366565	40.0000		
	44 Benzoic acid	122	11.556	11.558	(0.996)	484626	100.000	110(M)	M9
	45 Naphthalene	128	11.660	11.651	(1.004)	2331525	100.000	99.6	
	46 Hexachloropropene	213	11.939	11.941	(1.029)	438121	100.000	94.9	
	47 4-Chloroaniline	127	11.929	11.930	(1.028)	778667	100.000	98.2	
	48 2,6-Dichlorophenol	162	11.908	11.910	(1.026)	655337	100.000	98.6	
	49 Hexachlorobutadiene	225	12.115	12.117	(1.044)	460965	100.000	87.3	
	50 A,A-Dimethylphenethylamine	58	12.146	11.972	(1.046)	1880988	100.000	111(M)	M9
	51 N-Nitroso-Di-N-Butylamine	84	12.809	12.810	(1.103)	598680	100.000	91.9	
	52 p-Phenylenediamine	108	12.829	12.831	(1.105)	528434	100.000	106	
	53 Caprolactam	113	12.912	12.914	(1.112)	314977	100.000	103(QM)	M6
	54 Isosafrole	162	13.171	13.172	(1.135)	581709	100.000	98.5	
	55 2-Methylnaphthalene	142	13.274	13.276	(1.144)	1612481	100.000	100	
	56 4-Chloro-3-Methylphenol	107	13.181	13.183	(1.136)	647183	100.000	92.3	
	57 1-Methylnaphthalene	142	13.523	13.524	(1.165)	1591839	100.000	89.3	
	58 Hexachlorocyclopentadiene	237	13.823	13.824	(0.877)	507377	100.000	92.0	
	59 1,2,4,5-Tetrachlorobenzene	216	13.771	13.773	(0.874)	724537	100.000	96.0	
	60 Safrole	104	13.844	13.845	(0.878)	63400	100.000	97.5	
	61 2,4,6-Trichlorophenol	196	14.082	14.083	(0.894)	526857	100.000	90.6	
$	62 2-Fluorobiphenyl	172	14.247	14.249	(0.904)	1547796	100.000	96.7	
	63 2,4,5-Trichlorophenol	196	14.175	14.176	(0.900)	636591	100.000	98.8	
	64 2-Chloronaphthalene	162	14.413	14.414	(0.915)	1836678	100.000	96.2	
	65 Diethyl Adipate	111	14.392	14.394	(0.913)	364420	100.000	93.7	
	66 1,1'-Biphenyl	154	14.434	14.435	(0.916)	1645115	100.000	96.4	
	67 1-Chloronaphthalene	162	14.485	14.487	(0.919)	1352273	100.000	97.4(H)	
	68 Diphenylether	170	14.713	14.715	(0.934)	967019	100.000	96.6	
	69 2-Nitroaniline	65	14.848	14.849	(0.942)	462754	100.000	98.5	
	70 1,4-Naphthoquinone	158	14.889	14.890	(0.945)	402209	100.000	101	
	71 1,4-Dinitrobenzene	75	15.127	15.129	(0.960)	318849	100.000	104	
	72 Dimethyl Phthalate	163	15.406	15.408	(0.978)	1313346	100.000	101	
	73 1,3-Dinitrobenzene	168	15.427	15.418	(0.979)	252483	100.000	99.2(Q)	
	74 Acenaphthylene	152	15.386	15.387	(0.976)	2119235	100.000	102	
	75 2,6-Dinitrotoluene	165	15.541	15.543	(0.986)	408125	100.000	98.4	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.696	15.698	(0.996)	250048	100.000	104	
* 77 Acenaphthene-D10	164	15.758	15.750	(1.000)	662641	40.0000		
78 Acenaphthene	153	15.841	15.843	(1.005)	1298830	100.000	100	
79 3-Nitroaniline	138	15.862	15.853	(1.007)	417606	100.000	104	
80 2,4-Dinitrophenol	184	16.100	16.101	(1.022)	285355	100.000	107	
81 Pentachlorobenzene	250	16.286	16.277	(1.033)	608657	100.000	88.3	
82 Dibenzofuran	168	16.214	16.215	(1.029)	1921367	100.000	89.3	
83 2,4-Dinitrotoluene	165	16.462	16.464	(1.045)	412927	100.000	91.0	
84 1-Naphthylamine	143	16.462	16.464	(1.045)	1298210	100.000	90.9	
85 2,3,5,6-Tetrachlorophenol	232	16.566	16.567	(1.051)	449812	100.000	98.0	
86 2,3,4,6-Tetrachlorophenol	232	16.680	16.681	(1.058)	390448	100.000	90.9	
87 2-Naphthylamine	143	16.659	16.650	(1.057)	1337178	100.000	110	
88 4-Nitrophenol	139	16.390	16.391	(1.040)	289644	100.000	103	
89 Diethylphthalate	149	17.083	17.085	(1.084)	1391582	100.000	98.3	
90 Fluorene	166	17.031	17.033	(1.081)	1534398	100.000	90.0	
91 4-Chlorophenyl-phenylether	204	17.104	17.095	(1.085)	663015	100.000	98.7	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.269	17.271	(1.096)	273461	100.000	88.0	
93 5-Nitro-O-Toluidine	152	17.269	17.271	(1.096)	417674	100.000	92.9	
94 4-Nitroaniline	138	17.342	17.343	(1.100)	402114	100.000	112	
95 4,6-Dinitro-2-Methylphenol	198	17.404	17.406	(0.906)	317989	100.000	114	
96 N-Nitrosodiphenylamine	169	17.445	17.447	(0.908)	1128172	100.000	87.6	
97 N-Nitrosodiphenylamine/DPA	169	17.445	17.447	(0.908)	1128172	100.000	87.6	
98 1,2-Diphenylhydrazine	77	17.466	17.468	(0.909)	1619508	100.000	88.1	
99 Azobenzene	77	17.466	17.468	(0.909)	1619508	100.000	88.1	
$ 100 2,4,6-Tribromophenol	330	17.673	17.675	(1.122)	252325	100.000	101	
101 Sulfotepp	97	18.129	18.130	(0.943)	237470	100.000	91.1	
102 Diallate	86	18.211	18.213	(0.948)	446716	100.000	87.0	
103 Phorate	75	18.242	18.244	(0.949)	771844	100.000	92.6	
104 4-Bromophenyl-phenylether	248	18.232	18.234	(0.949)	369709	100.000	90.0	
105 Hexachlorobenzene	284	18.522	18.523	(0.964)	464749	100.000	96.5	
106 1,3,5-Trinitrobenzene	213	18.346	18.358	(0.955)	143950	100.000	102	
107 Phenacetin	108	18.418	18.430	(0.959)	709920	100.000	105	
108 Dimethoate	87	18.718	18.720	(0.974)	432306	100.000	83.4	
109 Pentachloronitrobenzene	237	19.195	19.196	(0.999)	182184	100.000	96.8	
110 Atrazine	200	18.874	18.875	(0.982)	254158	100.000	95.3	
111 Pentachlorophenol	266	19.019	19.020	(0.990)	306421	100.000	105	
112 4-Aminobiphenyl	169	18.915	18.917	(0.984)	1231474	100.000	101	
113 Pronamide	173	19.236	19.238	(1.001)	571665	100.000	95.9	
* 114 Phenanthrene-D10	188	19.215	19.217	(1.000)	871496	40.0000		
115 Phenanthrene	178	19.288	19.289	(1.004)	2035112	100.000	94.0	
116 Dinoseb	211	19.526	19.526	(1.016)	398051	100.000	107(A)	
117 Anthracene	178	19.391	19.393	(1.009)	2073636	100.000	94.7	
118 Disulfoton	88	19.474	19.476	(1.013)	754929	100.000	93.0	
119 Carbazole	167	19.857	19.859	(1.033)	1777087	100.000	100	
120 Methyl Parathion	109	20.364	20.366	(1.060)	388004	100.000	87.7	
121 Di-n-butylphthalate	149	20.944	20.945	(1.090)	2420757	100.000	95.6	
122 4-Nitroquinoline-1-Oxide	190	21.265	21.266	(1.107)	142227	100.000	103	
123 Ethyl Parathion	291	21.337	21.339	(1.110)	145623	100.000	100	
124 Methapyrilene	97	21.565	21.566	(1.122)	381626	100.000	88.0	
125 Isodrin	193	21.772	21.763	(1.133)	253243	100.000	93.9	
126 Fluoranthene	202	22.103	22.105	(1.150)	1894546	100.000	96.4	
127 Benzidine	184	22.558	22.560	(0.884)	503709	100.000	147(A)	
128 Pyrene	202	22.610	22.612	(0.886)	1874110	100.000	89.7	
$ 129 Terphenyl-D14	244	23.128	23.129	(0.906)	1131380	100.000	91.6	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
130 Aramite	185	23.417	23.419	(0.917)	139862	100.000	90.3	
131 p-Dimethylaminoazobenzene	225	23.531	23.533	(0.922)	376648	100.000	95.5	
132 Chlorobenzilate	251	23.697	23.698	(0.928)	551762	100.000	93.8	
133 Famphur	218	24.339	24.340	(0.953)	10033	100.000	16.5(a)	
134 3,3'-Dimethylbenzidine	212	24.339	24.330	(0.953)	595296	100.000	108	
135 Butylbenzylphthalate	149	24.473	24.475	(0.959)	959728	100.000	92.0	
136 Bis(2-ethylhexyl)adipate	129	24.722	24.723	(0.968)	834719	100.000	91.1	
137 2-Acetylaminofluorene	181	24.980	24.982	(0.979)	603975	100.000	102	
138 Benzo(a)anthracene	228	25.487	25.489	(0.998)	1525179	100.000	94.1	
* 139 Chrysene-D12	240	25.529	25.530	(1.000)	683616	40.0000		
140 3,3'-Dichlorobenzidine	252	25.581	25.582	(1.002)	408424	100.000	97.0	
141 Chrysene	228	25.591	25.593	(1.002)	1310817	100.000	88.8	
143 bis(2-Ethylhexyl)phthalate	149	25.943	25.944	(1.016)	1311501	100.000	90.7	
145 Di-n-octylphthalate	149	27.330	27.331	(0.953)	2137732	100.000	97.0	
146 7,12-Dimethylbenz(A)Anthracen	256	27.982	27.983	(0.975)	526362	100.000	88.1	
147 Benzo(b)fluoranthene	252	27.920	27.921	(0.973)	1299065	100.000	101	
148 Benzo(k)fluoranthene	252	27.972	27.973	(0.975)	1279134	100.000	92.5	
149 Benzo(a)pyrene	252	28.572	28.573	(0.996)	1117972	100.000	98.0	
* 150 Perylene-D12	264	28.686	28.677	(1.000)	531305	40.0000		
151 3-Methylcholanthrene	268	29.348	29.339	(1.023)	538582	100.000	96.4	
152 Dibenz(a,j)acridine	279	30.580	30.581	(1.066)	757813	100.000	104	
153 Indeno(1,2,3-cd)pyrene	276	30.973	30.964	(1.080)	893174	100.000	104	
154 Dibenzo(a,h)anthracene	278	31.035	31.037	(1.082)	921466	100.000	103	
155 Benzo(g,h,i)perylene	276	31.615	31.616	(1.102)	989336	100.000	98.2	
M 156 Total PAHs	100				26110016	1700.00	(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.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5858.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5858.D
Lab Smp Id: SSTD100U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

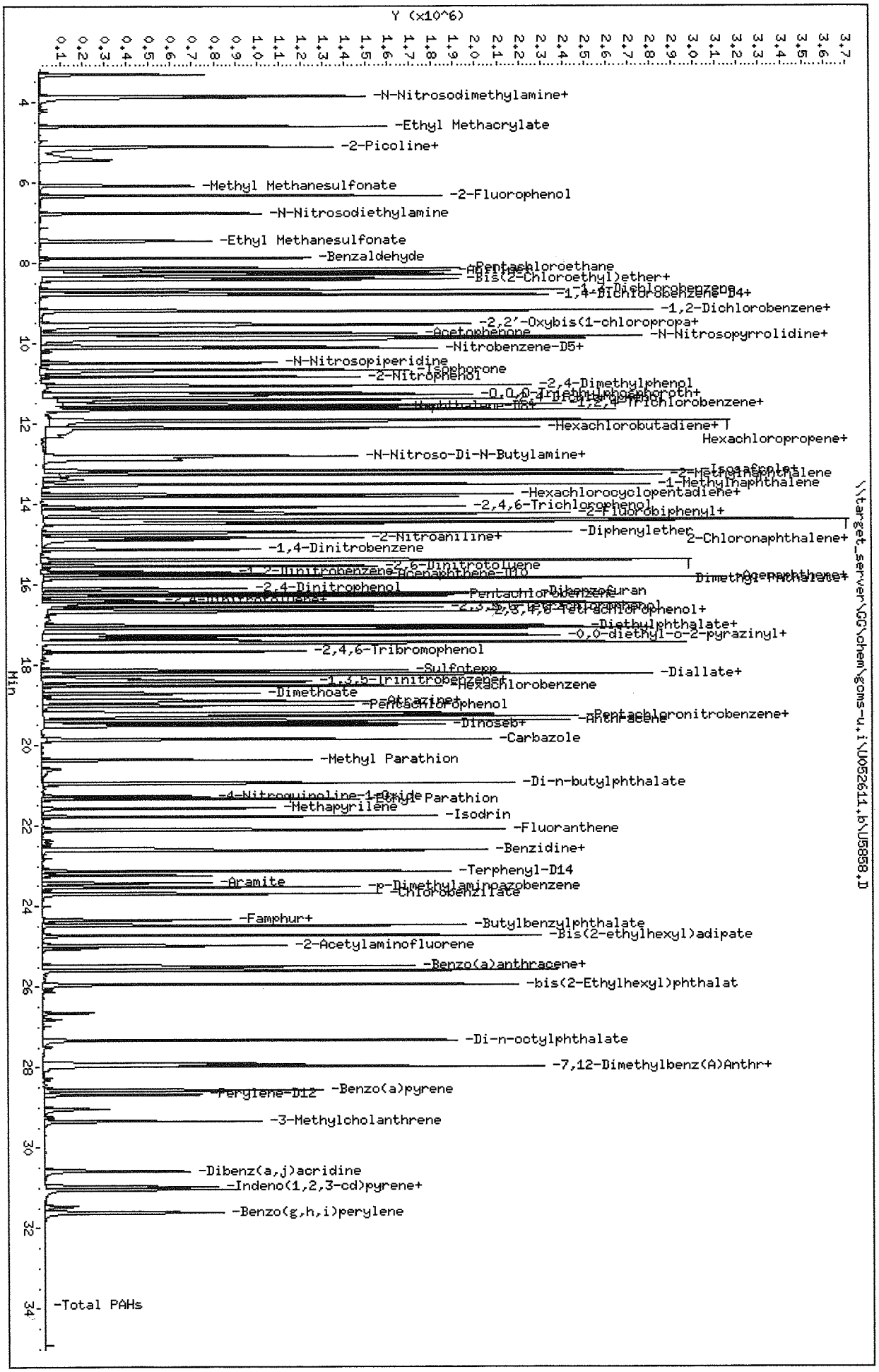
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	363561	19.15
43 Naphthalene-D8	1029934	514967	2059868	1366565	32.68
77 Acenaphthene-D10	430934	215467	861868	662641	53.77
114 Phenanthrene-D10	553474	276737	1106948	871496	57.46
139 Chrysene-D12	401451	200726	802902	683616	70.29
150 Perylene-D12	347561	173781	695122	531305	52.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.01
43 Naphthalene-D8	11.60	11.10	12.10	11.61	0.10
77 Acenaphthene-D10	15.75	15.25	16.25	15.76	0.07
114 Phenanthrene-D10	19.20	18.70	19.70	19.22	0.06
139 Chrysene-D12	25.51	25.01	26.01	25.53	0.09
150 Perylene-D12	28.66	28.16	29.16	28.69	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-u.i\U052611.b\U5858.D
Date : 26-MAY-2011 15:06
Client ID:
Sample Info: SSTD100U0526
Volume Injected (uL): 1.0
Column phase: ZB5-MS
Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25
Y (x10^6)
Min
-N-Nitrosodimethylamine+
-Ethyl Methacrylate
-2-Picoline+
-Methyl Methanesulfonate
-2-Fluorophenol
-N-Nitrosodiethylamine
-Ethyl Methanesulfonate
-Benzaldehyde
-Pentachloroethane
-Bis(2-Chloroethyl)ether+
-1,4-Dichlorobenzene-D4+
-1,2-Dichlorobenzene+
-2,2'-Oxybis(1-chloropropa+
-Acetophenone
-N-Nitrosopyrrolidine+
-Nitrobenzene-D5+
-N-Nitrosopiperidine
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-Hexachlorobutadiene+
Hexachloropropene+
-N-Nitroso-Di-N-Butylamine+
-2-Methylnaphthalene
-1-Methylnaphthalene
-Hexachlorocyclopentadiene+
-2,4,6-Trichlorophenol
-2-Fluorobiphenyl+
-Diphenylether
-2-Nitroaniline+
2-Chloronaphthalene+
-1,4-Dinitrobenzene
-2,6-Dinitrotoluene
-Acenaphthene
-2,4-Dinitrophenol
-Dibenzofuran
-Pentachlorobenzene
-2,3,5,6-Tetrachlorophenol+
-Diethylphthalate+
-0,0-diethyl-o-2-pyrazinyl+
-2,4,6-Tribromophenol
-Sulfotepp
-Diallate+
-Hexachlorobenzene
-Dimethoate
-Atrazine+
-Pentachlorophenol
-Pentachloronitrobenzene+
-Anthracene
-Dinoseb+
-Carbazole
-Methyl Parathion
-Di-n-butylphthalate
-4-Nitroquinoline-1-Oxide
-Ethyl Parathion
-Methapyrilene
-Isodrin
-Fluoranthene
-Benzidine+
-Terphenyl-D14
-Aramite
-p-Dimethylaminoazobenzene
-Chlorobenzilate
-Famphur+
-Butylbenzylphthalate
-Bis(2-ethylhexyl)adipate
-2-Acetylaminofluorene
-Benzo(a)anthracene+
-bis(2-Ethylhexyl)phthalat
-Di-n-octylphthalate
-7,12-Dimethylbenz(A)Anthr+
-Perylene-D12
-Benzo(a)pyrene
-3-Methylcholanthrene
-Dibenz(a,j)acridine
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
-Total PAHs
\\target_server\GC\chem\gcms-u.i\U052611.b\U5858.D

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
Lab Smp Id: SSTD125U0526
Inj Date : 26-MAY-2011 15:50 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD125U0526
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 15:50 Cal File: U5859.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.319	3.319	(0.379)	353328	125.000	113	
	2 N-Nitrosodimethylamine	42	3.919	3.919	(0.447)	534233	125.000	119	
	3 Pyridine	79	3.857	3.857	(0.440)	1317485	125.000	118	
	4 Ethyl Methacrylate	69	4.613	4.613	(0.526)	897870	125.000	110	
	5 2-Picoline	93	5.110	5.110	(0.583)	1392181	125.000	117	
	6 N-Nitrosomethylethylamine	88	5.441	5.441	(0.621)	571536	125.000	122	
	7 Methyl Methanesulfonate	80	6.093	6.093	(0.695)	647656	125.000	117	
$	8 2-Fluorophenol	112	6.331	6.331	(0.722)	1092319	125.000	113	
	9 N-Nitrosodiethylamine	102	6.776	6.776	(0.773)	506734	125.000	114	
	10 Ethyl Methanesulfonate	79	7.469	7.469	(0.852)	824196	125.000	115	
	11 Benzaldehyde	77	7.883	7.883	(0.900)	164206	125.000	79.6	
	12 Aniline	93	8.215	8.215	(0.937)	1582051	125.000	110	
	13 Pentachloroethane	117	8.142	8.142	(0.929)	391031	125.000	109	
	14 Bis(2-Chloroethyl)ether	93	8.380	8.380	(0.956)	948653	125.000	105	
$	15 Phenol-D6	99	8.277	8.277	(0.944)	1239041	125.000	110	
	16 Phenol	94	8.308	8.308	(0.948)	1183370	125.000	106(H)	
	17 2-Chlorophenol	128	8.422	8.422	(0.961)	1041876	125.000	110	
	18 1,3-Dichlorobenzene	146	8.680	8.680	(0.991)	1116948	125.000	106	
*	19 1,4-Dichlorobenzene-D4	152	8.763	8.763	(1.000)	320676	40.0000		
	20 1,4-Dichlorobenzene	146	8.805	8.805	(1.005)	1081972	125.000	104	
	21 1,2-Dichlorobenzene	146	9.198	9.198	(1.050)	953945	125.000	124	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
Report Date: 27-May-2011 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	22 Benzyl alcohol	108	9.219	9.219	(1.052)	574316	125.000	113	
	23 2,2'-Oxybis(1-chloropropane)	45	9.529	9.529	(1.087)	1341355	125.000	108	
	24 Bis(2-Chloroisopropyl)ether	45	9.529	9.529	(1.087)	1341355	125.000	107	
	25 2-Methylphenol	108	9.550	9.550	(1.090)	963092	125.000	118	
	26 Acetophenone	105	9.767	9.767	(0.841)	1301447	125.000	111	
	27 N-Nitrosopyrrolidine	100	9.871	9.871	(1.126)	367148	125.000	126(A)	
	28 o-Toluidine	106	9.860	9.860	(1.125)	1113461	125.000	125	
	29 N-Nitroso-di-n-propylamine	70	9.902	9.902	(1.130)	557563	125.000	106	
	30 Hexachloroethane	117	9.840	9.840	(1.123)	392838	125.000	105	
	31 N-Nitrosomorpholine	56	9.881	9.881	(1.128)	457244	125.000	122	
	32 3&4-Methylphenol	108	9.922	9.922	(1.132)	931437	125.000	106	
$	33 Nitrobenzene-D5	82	10.088	10.088	(0.869)	1022375	125.000	112	
	34 Nitrobenzene	77	10.129	10.129	(0.873)	970348	125.000	110	
	35 N-Nitrosopiperidine	114	10.502	10.502	(0.905)	547022	125.000	115	
	36 Isophorone	82	10.668	10.668	(0.919)	1850758	125.000	113	
	37 2-Nitrophenol	139	10.844	10.844	(0.934)	608866	125.000	113	
	38 2,4-Dimethylphenol	107	11.061	11.061	(0.953)	848349	125.000	108	
	39 O,O,O-Triethylphosphorothioat	198	11.299	11.299	(0.973)	409549	125.000	108	
	40 Bis(2-Chloroethoxy)methane	93	11.247	11.247	(0.969)	1136290	125.000	104	
	41 2,4-Dichlorophenol	162	11.402	11.402	(0.982)	777098	125.000	106	
	42 1,2,4-Trichlorobenzene	180	11.537	11.537	(0.994)	866458	125.000	125	
*	43 Naphthalene-D8	136	11.609	11.609	(1.000)	1178073	40.0000		
	44 Benzoic acid	122	11.558	11.558	(0.996)	446258	125.000	118(QM)	M9
	45 Naphthalene	128	11.651	11.651	(1.004)	2381540	125.000	126(A)	
	46 Hexachloropropene	213	11.941	11.941	(1.029)	455753	125.000	127(A)	
	47 4-Chloroaniline	127	11.930	11.930	(1.028)	778191	125.000	125(A)	
	48 2,6-Dichlorophenol	162	11.910	11.910	(1.026)	674217	125.000	126(A)	
	49 Hexachlorobutadiene	225	12.117	12.117	(1.044)	466997	125.000	103	
	50 A,A-Dimethylphenethylamine	58	11.972	11.972	(1.031)	1844107	125.000	126(AM)	M6
	51 N-Nitroso-Di-N-Butylamine	84	12.810	12.810	(1.103)	619974	125.000	110	
	52 p-Phenylenediamine	108	12.831	12.831	(1.105)	524625	125.000	120	
	53 Caprolactam	113	12.914	12.914	(1.112)	328890	125.000	125(M)	M6
	54 Isosafrole	162	13.172	13.172	(1.135)	606899	125.000	126(A)	
	55 2-Methylnaphthalene	142	13.276	13.276	(1.144)	1644710	125.000	125(A)	
	56 4-Chloro-3-Methylphenol	107	13.183	13.183	(1.136)	650522	125.000	108	
	57 1-Methylnaphthalene	142	13.524	13.524	(1.165)	1600942	125.000	104	
	58 Hexachlorocyclopentadiene	237	13.824	13.824	(0.878)	513989	125.000	109	
	59 1,2,4,5-Tetrachlorobenzene	216	13.773	13.773	(0.874)	753143	125.000	127(A)	
	60 Safrole	104	13.845	13.845	(0.879)	63635	125.000	115	
	61 2,4,6-Trichlorophenol	196	14.083	14.083	(0.894)	526788	125.000	106	
$	62 2-Fluorobiphenyl	172	14.249	14.249	(0.905)	1602062	125.000	127(A)	
	63 2,4,5-Trichlorophenol	196	14.176	14.176	(0.900)	642898	125.000	117	
	64 2-Chloronaphthalene	162	14.414	14.414	(0.915)	1863994	125.000	127(A)	
	65 Diethyl Adipate	111	14.394	14.394	(0.914)	375762	125.000	128(A)	
	66 1,1'-Biphenyl	154	14.435	14.435	(0.917)	1677629	125.000	127(A)	
	67 1-Chloronaphthalene	162	14.487	14.487	(0.920)	1392905	125.000	127(AH)	
	68 Diphenylether	170	14.715	14.715	(0.934)	1009632	125.000	127	
	69 2-Nitroaniline	65	14.849	14.849	(0.943)	464398	125.000	116	
	70 1,4-Naphthoquinone	158	14.890	14.890	(0.945)	377573	125.000	120	
	71 1,4-Dinitrobenzene	75	15.129	15.129	(0.961)	314692	125.000	121	
	72 Dimethyl Phthalate	163	15.408	15.408	(0.978)	1331071	125.000	125(A)	
	73 1,3-Dinitrobenzene	168	15.418	15.418	(0.979)	258187	125.000	119	
	74 Acenaphthylene	152	15.387	15.387	(0.977)	2116527	125.000	125	
	75 2,6-Dinitrotoluene	165	15.543	15.543	(0.987)	410132	125.000	116	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
76 1,2-Dinitrobenzene	50	15.698	15.698	(0.997)	254144	125.000	124	
* 77 Acenaphthene-D10	164	15.750	15.750	(1.000)	564393	40.0000		
78 Acenaphthene	153	15.843	15.843	(1.006)	1303667	125.000	126(A)	
79 3-Nitroaniline	138	15.853	15.853	(1.007)	419176	125.000	123	
80 2,4-Dinitrophenol	184	16.101	16.101	(1.022)	283378	125.000	120	
81 Pentachlorobenzene	250	16.277	16.277	(1.034)	619921	125.000	106	
82 Dibenzofuran	168	16.215	16.215	(1.030)	1945887	125.000	106	
83 2,4-Dinitrotoluene	165	16.464	16.464	(1.045)	409793	125.000	106	
84 1-Naphthylamine	143	16.464	16.464	(1.045)	1401713	125.000	115	
85 2,3,5,6-Tetrachlorophenol	232	16.567	16.567	(1.052)	458199	125.000	117	
86 2,3,4,6-Tetrachlorophenol	232	16.681	16.681	(1.059)	387243	125.000	106	
87 2-Naphthylamine	143	16.650	16.650	(1.057)	1463577	125.000	142(A)	
88 4-Nitrophenol	139	16.391	16.391	(1.041)	278327	125.000	116(Q)	
89 Diethylphthalate	149	17.085	17.085	(1.085)	1410264	125.000	125(A)	
90 Fluorene	166	17.033	17.033	(1.081)	1527912	125.000	105	
91 4-Chlorophenyl-phenylether	204	17.095	17.095	(1.085)	668322	125.000	125(A)	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.271	17.271	(1.097)	282021	125.000	106	
93 5-Nitro-O-Toluidine	152	17.271	17.271	(1.097)	428750	125.000	112	
94 4-Nitroaniline	138	17.343	17.343	(1.101)	408805	125.000	133(A)	
95 4,6-Dinitro-2-Methylphenol	198	17.406	17.406	(0.906)	322085	125.000	141(A)	
96 N-Nitrosodiphenylamine	169	17.447	17.447	(0.908)	1124201	125.000	106	
97 N-Nitrosodiphenylamine/DPA	169	17.447	17.447	(0.908)	1124201	125.000	106	
98 1,2-Diphenylhydrazine	77	17.468	17.468	(0.909)	1641858	125.000	109	
99 Azobenzene	77	17.468	17.468	(0.909)	1641858	125.000	109	
$ 100 2,4,6-Tribromophenol	330	17.675	17.675	(1.122)	254877	125.000	120	
101 Sulfotepp	97	18.130	18.130	(0.943)	247600	125.000	116	
102 Diallate	86	18.213	18.213	(0.948)	458304	125.000	109	
103 Phorate	75	18.244	18.244	(0.949)	809202	125.000	128(A)	
104 4-Bromophenyl-phenylether	248	18.234	18.234	(0.949)	371856	125.000	110	
105 Hexachlorobenzene	284	18.523	18.523	(0.964)	471481	125.000	119	
106 1,3,5-Trinitrobenzene	213	18.358	18.358	(0.955)	156715	125.000	124	
107 Phenacetin	108	18.430	18.430	(0.959)	754080	125.000	136(A)	
108 Dimethoate	87	18.720	18.720	(0.974)	481402	125.000	113	
109 Pentachloronitrobenzene	237	19.196	19.196	(0.999)	191834	125.000	124	
110 Atrazine	200	18.875	18.875	(0.982)	248809	125.000	125(A)	
111 Pentachlorophenol	266	19.020	19.020	(0.990)	329456	125.000	137(A)	
112 4-Aminobiphenyl	169	18.917	18.917	(0.984)	1355588	125.000	135(A)	
113 Pronamide	173	19.238	19.238	(1.001)	609764	125.000	124	
* 114 Phenanthrene-D10	188	19.217	19.217	(1.000)	715696	40.0000		
115 Phenanthrene	178	19.289	19.289	(1.004)	2074788	125.000	117	
117 Anthracene	178	19.393	19.393	(1.009)	2112512	125.000	117	
118 Disulfoton	88	19.476	19.476	(1.013)	796276	125.000	119	
119 Carbazole	167	19.859	19.859	(1.033)	1840768	125.000	126(A)	
120 Methyl Parathion	109	20.366	20.366	(1.060)	436415	125.000	120	
121 Di-n-butylphthalate	149	20.945	20.945	(1.090)	2507239	125.000	120	
122 4-Nitroquinoline-1-Oxide	190	21.266	21.266	(1.107)	151990	125.000	123	
123 Ethyl Parathion	291	21.339	21.339	(1.110)	166016	125.000	139(A)	
124 Methapyrilene	97	21.566	21.566	(1.122)	418896	125.000	118	
125 Isodrin	193	21.763	21.763	(1.132)	269287	125.000	122	
126 Fluoranthene	202	22.105	22.105	(1.150)	2020824	125.000	125(A)	
127 Benzidine	184	22.560	22.560	(0.884)	491232	125.000	158(A)	
128 Pyrene	202	22.612	22.612	(0.886)	2023104	125.000	107	
$ 129 Terphenyl-D14	244	23.129	23.129	(0.906)	1236140	125.000	110	
130 Aramite	185	23.419	23.419	(0.917)	161573	125.000	115	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
Report Date: 27-May-2011 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
131 p-Dimethylaminoazobenzene	225	23.533	23.533	(0.922)	429784	125.000	120	
132 Chlorobenzilate	251	23.698	23.698	(0.928)	618080	125.000	116	
133 Famphur	218	24.340	24.340	(0.953)	24819	125.000	45.1	
134 3,3'-Dimethylbenzidine	212	24.330	24.330	(0.953)	595848	125.000	119	
135 Butylbenzylphthalate	149	24.475	24.475	(0.959)	1051129	125.000	111	
136 Bis(2-ethylhexyl)adipate	129	24.723	24.723	(0.968)	914270	125.000	110	
137 2-Acetylaminofluorene	181	24.982	24.982	(0.979)	687075	125.000	127(A)	
138 Benzo(a)anthracene	228	25.489	25.489	(0.998)	1653830	125.000	112	
* 139 Chrysene-D12	240	25.530	25.530	(1.000)	620067	40.0000		
140 3,3'-Dichlorobenzidine	252	25.582	25.582	(1.002)	439186	125.000	115	
141 Chrysene	228	25.593	25.593	(1.002)	1429198	125.000	107	
143 bis(2-Ethylhexyl)phthalate	149	25.944	25.944	(1.016)	1449579	125.000	110	
145 Di-n-octylphthalate	149	27.331	27.331	(0.953)	2336104	125.000	118	
146 7,12-Dimethylbenz(A)Anthracen	256	27.983	27.983	(0.976)	575255	125.000	108	
147 Benzo(b)fluoranthene	252	27.921	27.921	(0.974)	1409912	125.000	122	
148 Benzo(k)fluoranthene	252	27.973	27.973	(0.975)	1336813	125.000	108	
149 Benzo(a)pyrene	252	28.573	28.573	(0.996)	1238180	125.000	121	
* 150 Perylene-D12	264	28.677	28.677	(1.000)	474658	40.0000		
151 3-Methylcholanthrene	268	29.339	29.339	(1.023)	594605	125.000	119	
152 Dibenz(a,j)acridine	279	30.581	30.581	(1.066)	816445	125.000	126(A)	
153 Indeno(1,2,3-cd)pyrene	276	30.964	30.964	(1.080)	944280	125.000	122	
154 Dibenzo(a,h)anthracene	278	31.037	31.037	(1.082)	976311	125.000	123	
155 Benzo(g,h,i)perylene	276	31.616	31.616	(1.103)	1005035	125.000	112	
M 156 Total PAHs	100				27199143	2125.00	(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.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5859.D
Report Date: 27-May-2011 08:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5859.D
Lab Smp Id: SSTD125U0526
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

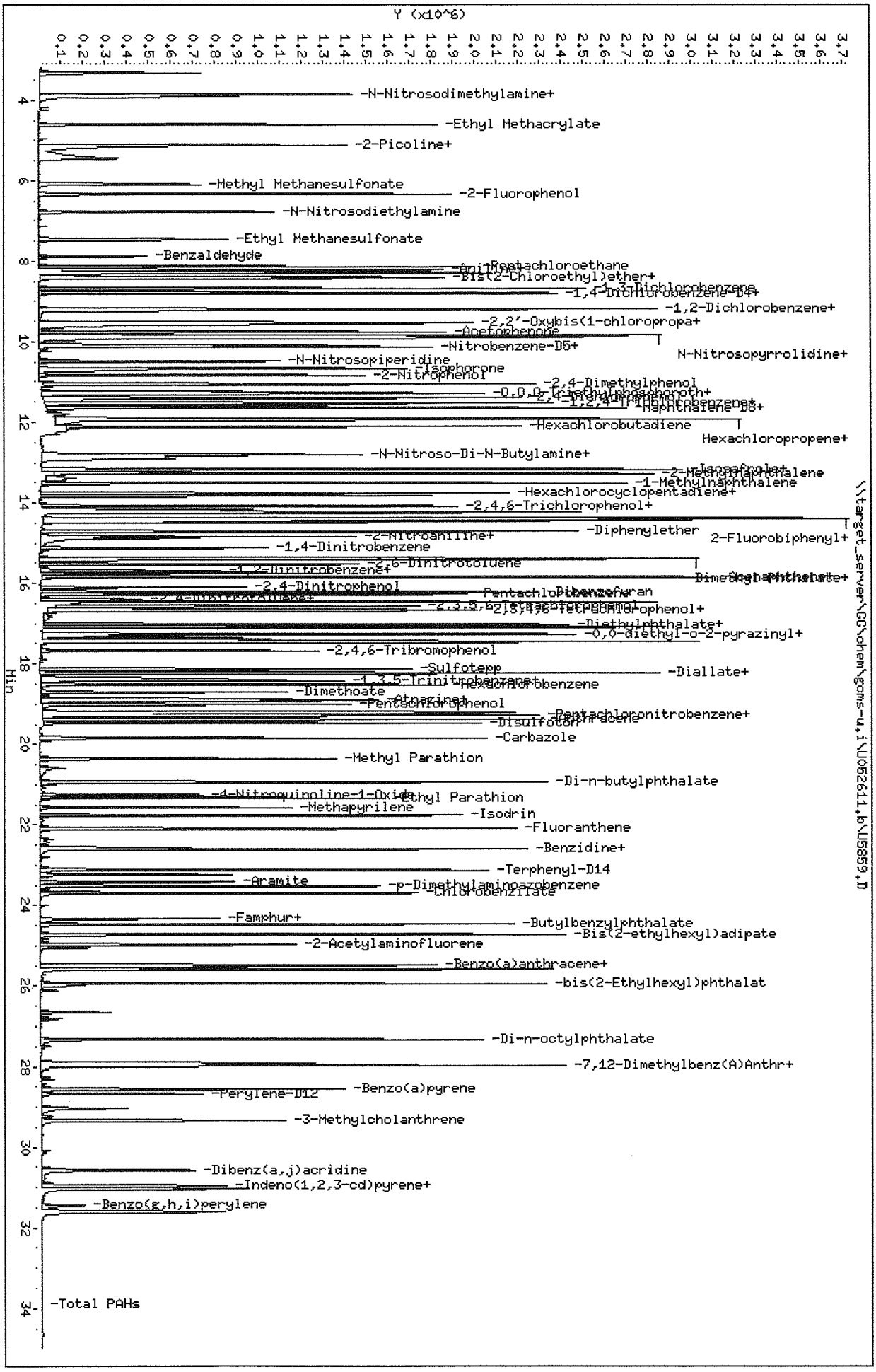
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	320676	5.09
43 Naphthalene-D8	1029934	514967	2059868	1178073	14.38
77 Acenaphthene-D10	430934	215467	861868	564393	30.97
114 Phenanthrene-D10	553474	276737	1106948	715696	29.31
139 Chrysene-D12	401451	200726	802902	620067	54.46
150 Perylene-D12	347561	173781	695122	474658	36.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.03
43 Naphthalene-D8	11.60	11.10	12.10	11.61	0.11
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.02
114 Phenanthrene-D10	19.20	18.70	19.70	19.22	0.07
139 Chrysene-D12	25.51	25.01	26.01	25.53	0.09
150 Perylene-D12	28.66	28.16	29.16	28.68	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-u.i\U052611.b\U5859.D
Date : 26-MAY-2011 15:50
Client ID:
Sample Info: SSTD125UG526
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Lab Smp Id: 8270C IND CHECK
Inj Date : 26-MAY-2011 16:34 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : 8270C IND CHECK
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 15:50 Cal File: U5859.D
Als bottle: 8 QC Sample: IND_CHECK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
1 1,4-Dioxane	58	3.320	3.319	(0.379)	160445	53.5307	53.5	
2 N-Nitrosodimethylamine	42	3.899	3.919	(0.445)	223122	51.9767	52.0	
3 Pyridine	79	3.858	3.857	(0.441)	494010	46.1493	46.1(a)	
5 2-Picoline	93	5.110	5.110	(0.584)	554682	48.5783	48.6	
6 N-Nitrosomethylethylamine	88	5.441	5.441	(0.622)	213976	47.5480	47.5	
7 Methyl Methanesulfonate	80	6.073	6.093	(0.694)	272358	51.2752	51.3	
9 N-Nitrosodiethylamine	102	6.756	6.776	(0.772)	217129	50.9947	51.0	
10 Ethyl Methanesulfonate	79	7.439	7.469	(0.850)	345532	50.4949	50.5	
11 Benzaldehyde	77	7.884	7.883	(0.901)	34619	17.5408	17.5(R)	
12 Aniline	93	8.205	8.215	(0.937)	740327	54.0080	54.0	
14 Bis(2-Chloroethyl)ether	93	8.360	8.380	(0.955)	446655	51.7151	51.7	
16 Phenol	94	8.277	8.308	(0.946)	562635	52.6244	52.6	
17 2-Chlorophenol	128	8.401	8.422	(0.960)	467744	51.4675	51.5	
18 1,3-Dichlorobenzene	146	8.671	8.680	(0.991)	510286	50.4957	50.5	
* 19 1,4-Dichlorobenzene-D4	152	8.753	8.763	(1.000)	306856	40.0000		
20 1,4-Dichlorobenzene	146	8.795	8.805	(1.005)	530688	53.4637	53.5	
21 1,2-Dichlorobenzene	146	9.188	9.198	(1.050)	467117	51.5510	51.6	
22 Benzyl alcohol	108	9.198	9.219	(1.051)	243330	49.9982	50.0	
23 2,2'-Oxybis(1-chloropropane)	45	9.519	9.529	(1.087)	609782	51.1150	51.1	
24 Bis(2-Chloroisopropyl)ether	45	9.519	9.529	(1.087)	612407	51.2472	51.2	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
25 2-Methylphenol	108	9.540	9.550	(1.090)	399706	51.0790	51.1	
26 Acetophenone	105	9.747	9.767	(0.840)	1022604	91.0035	91.0	
27 N-Nitrosopyrrolidine	100	9.799	9.871	(1.119)	220585	61.0700	61.1(QR)	
28 o-Toluidine	106	9.850	9.860	(1.125)	510614	50.4393	50.4	
29 N-Nitroso-di-n-propylamine	70	9.850	9.902	(1.125)	228065	45.1381	45.1	
30 Hexachloroethane	117	9.830	9.840	(1.123)	182633	50.9788	51.0	
31 N-Nitrosomorpholine	56	9.830	9.881	(1.123)	204667	54.2267	54.2	
32 3&4-Methylphenol	108	9.871	9.922	(1.128)	413474	49.1122	49.1(Q)	
34 Nitrobenzene	77	10.099	10.129	(0.871)	443243	52.3770	52.4	
35 N-Nitrosopiperidine	114	10.461	10.502	(0.902)	235609	51.9594	52.0	
36 Isophorone	82	10.637	10.668	(0.917)	631556	40.3402	40.3	
37 2-Nitrophenol	139	10.823	10.844	(0.933)	266207	51.5822	51.6	
38 2,4-Dimethylphenol	107	11.030	11.061	(0.951)	374571	50.1379	50.1	
39 O,O,O-Triethylphosphorothioat	198	11.268	11.299	(0.971)	186703	51.7065	51.7	
40 Bis(2-Chloroethoxy)methane	93	11.227	11.247	(0.968)	513992	49.0819	49.1	
41 2,4-Dichlorophenol	162	11.372	11.402	(0.980)	363556	52.0734	52.1	
42 1,2,4-Trichlorobenzene	180	11.527	11.537	(0.994)	402082	47.4712	47.5	
* 43 Naphthalene-D8	136	11.600	11.609	(1.000)	1126507	40.0000		
44 Benzoic acid	122	11.434	11.558	(0.986)	283032	78.2198	78.2(RM)	M9
45 Naphthalene	128	11.641	11.651	(1.004)	1164061	51.9516	52.0	
46 Hexachloropropene	213	11.931	11.941	(1.029)	247043	54.3915	54.4	
47 4-Chloroaniline	127	11.910	11.930	(1.027)	437487	53.4665	53.5	JMM
48 2,6-Dichlorophenol	162	11.900	11.910	(1.026)	332880	52.6244	52.6	
49 Hexachlorobutadiene	225	12.107	12.117	(1.044)	219807	50.5228	50.5	
51 N-Nitroso-Di-N-Butylamine	84	12.790	12.810	(1.103)	328792	61.2565	61.2(R)	
53 Caprolactam	113	12.759	12.914	(1.100)	141233	55.9839	56.0	
54 Isosafrole	162	13.152	13.172	(1.134)	273646	48.8908	48.9	
55 2-Methylnaphthalene	142	13.256	13.276	(1.143)	811702	53.9752	54.0	
56 4-Chloro-3-Methylphenol	107	13.142	13.183	(1.133)	326843	56.5669	56.6	
57 1-Methylnaphthalene	142	13.504	13.524	(1.164)	763233	51.9364	51.9	
58 Hexachlorocyclopentadiene	237	13.815	13.824	(0.878)	194764	42.6886	42.7	
59 1,2,4,5-Tetrachlorobenzene	216	13.752	13.773	(0.874)	360349	48.7592	48.8	
60 Safrole	104	13.835	13.845	(0.879)	23758	44.1743	44.2	
61 2,4,6-Trichlorophenol	196	14.053	14.083	(0.893)	248057	51.5965	51.6	
63 2,4,5-Trichlorophenol	196	14.166	14.176	(0.900)	276761	51.9205	51.9	
64 2-Chloronaphthalene	162	14.384	14.414	(0.914)	962596	48.2252	48.2	
65 Diethyl Adipate	111	14.373	14.394	(0.913)	198478	48.9104	48.9	
66 1,1'-Biphenyl	154	14.415	14.435	(0.916)	869507	50.2910	50.3	
67 1-Chloronaphthalene	162	14.456	14.487	(0.918)	613178	44.4871	44.5	
69 2-Nitroaniline	65	14.819	14.849	(0.941)	212022	54.5648	54.6	
70 1,4-Naphthoquinone	158	14.870	14.890	(0.945)	252348	62.7654	62.8(R)	
72 Dimethyl Phthalate	163	15.367	15.408	(0.976)	628021	52.5833	52.6	
73 1,3-Dinitrobenzene	168	15.377	15.418	(0.977)	106272	50.4705	50.5(Q)	
74 Acenaphthylene	152	15.367	15.387	(0.976)	939829	46.8613	46.9	
75 2,6-Dinitrotoluene	165	15.512	15.543	(0.986)	186404	54.3227	54.3	
* 77 Acenaphthene-D10	164	15.740	15.750	(1.000)	548054	40.0000		
78 Acenaphthene	153	15.812	15.843	(1.005)	635568	50.1346	50.1	
79 3-Nitroaniline	138	15.822	15.853	(1.005)	172783	52.1119	52.1	
80 2,4-Dinitrophenol	184	16.050	16.101	(1.020)	113996	59.6580	59.6	
81 Pentachlorobenzene	250	16.268	16.277	(1.034)	303542	53.2315	53.2	
82 Dibenzofuran	168	16.195	16.215	(1.029)	938485	52.7340	52.7	
83 2,4-Dinitrotoluene	165	16.423	16.464	(1.043)	218077	58.0831	58.1	
84 1-Naphthylamine	143	16.433	16.464	(1.044)	501605	42.4650	42.5	
86 2,3,4,6-Tetrachlorophenol	232	16.661	16.681	(1.059)	199040	56.0362	56.0	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
87 2-Naphthylamine	143	16.630	16.650	(1.057)	469623	46.7792	46.8	
88 4-Nitrophenol	139	16.361	16.391	(1.039)	150469	64.5630	64.6(QR)	
89 Diethylphthalate	149	17.054	17.085	(1.084)	745423	55.2707	55.3	
90 Fluorene	166	17.013	17.033	(1.081)	735169	52.1582	52.2	
91 4-Chlorophenyl-phenylether	204	17.085	17.095	(1.085)	348887	53.6130	53.6	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.251	17.271	(1.096)	150453	58.5059	58.5	
93 5-Nitro-O-Toluidine	152	17.230	17.271	(1.095)	215519	57.9505	58.0	
94 4-Nitroaniline	138	17.292	17.343	(1.099)	169021	56.7671	56.8	
95 4,6-Dinitro-2-Methylphenol	198	17.365	17.406	(0.904)	142210	55.9351	55.9	
96 N-Nitrosodiphenylamine	169	17.427	17.447	(0.907)	950784	80.9325	80.9	
97 N-Nitrosodiphenylamine/DPA	169	17.427	17.447	(0.907)	950784	80.9325	80.9	
98 1,2-Diphenylhydrazine	77	17.447	17.468	(0.908)	831930	49.5824	49.6	
99 Azobenzene	77	17.447	17.468	(0.908)	831930	49.5824	49.6	
101 Sulfotepp	97	18.110	18.130	(0.943)	117763	49.4986	49.5	
102 Diallate	86	18.203	18.213	(0.948)	259977	55.5005	55.5	
103 Phorate	75	18.224	18.244	(0.949)	242879	25.0368	25.0(R)	
104 4-Bromophenyl-phenylether	248	18.224	18.234	(0.949)	194281	51.7964	51.8	
105 Hexachlorobenzene	284	18.503	18.523	(0.963)	216883	49.3416	49.3	
106 1,3,5-Trinitrobenzene	213	18.286	18.358	(0.952)	63443	56.3836	56.4	
107 Phenacetin	108	18.358	18.430	(0.956)	338797	55.0443	55.0	
108 Dimethoate	87	18.669	18.720	(0.972)	258596	54.6665	54.7	
109 Pentachloronitrobenzene	237	19.166	19.196	(0.998)	91734	53.3976	53.4	
111 Pentachlorophenol	266	18.979	19.020	(0.988)	155250	58.2037	58.2	
112 4-Aminobiphenyl	169	18.886	18.917	(0.983)	390476	35.0556	35.0(R)	
113 Pronamide	173	19.207	19.238	(1.000)	277419	50.9941	51.0	
* 114 Phenanthrene-D10	188	19.207	19.217	(1.000)	795335	40.0000		
115 Phenanthrene	178	19.259	19.289	(1.003)	1039754	52.6414	52.6	
116 Dinoseb	211	19.507	19.526	(1.016)	189388	55.9017	55.9	
117 Anthracene	178	19.362	19.393	(1.008)	1055012	52.7744	52.8	
118 Disulfoton	88	19.455	19.476	(1.013)	361154	48.7592	48.8	
119 Carbazole	167	19.838	19.859	(1.033)	858667	52.9683	53.0	
120 Methyl Parathion	109	20.345	20.366	(1.059)	230675	57.1452	57.1	
121 Di-n-butylphthalate	149	20.935	20.945	(1.090)	1255463	54.3302	54.3	
122 4-Nitroquinoline-1-Oxide	190	21.246	21.266	(1.106)	61454	57.3289	57.3	
123 Ethyl Parathion	291	21.318	21.339	(1.110)	72448	54.6579	54.6	
124 Methapyrilene	97	21.577	21.566	(1.123)	204639	51.6973	51.7	
125 Isodrin	193	21.753	21.763	(1.133)	132192	53.6960	53.7	
126 Fluoranthene	202	22.084	22.105	(1.150)	955729	53.2703	53.3	
127 Benzidine	184	22.550	22.560	(0.884)	76505	24.8159	24.8(aR)	
128 Pyrene	202	22.591	22.612	(0.886)	1020553	54.4392	54.4	
131 p-Dimethylaminoazobenzene	225	23.513	23.533	(0.922)	188446	53.2381	53.2	
132 Chlorobenzilate	251	23.678	23.698	(0.928)	292415	55.3951	55.4	
133 Famphur	218	24.330	24.340	(0.954)	57728	106.058	106(R)	
134 3,3'-Dimethylbenzidine	212	24.320	24.330	(0.953)	177926	38.7003	38.7(R)	
135 Butylbenzylphthalate	149	24.465	24.475	(0.959)	507012	54.1917	54.2	
136 Bis(2-ethylhexyl)adipate	129	24.713	24.723	(0.969)	420261	51.1040	51.1	
137 2-Acetylaminofluorene	181	24.951	24.982	(0.978)	282930	53.0460	53.0	
138 Benzo(a)anthracene	228	25.469	25.489	(0.998)	722504	49.6652	49.7	
* 139 Chrysene-D12	240	25.510	25.530	(1.000)	613467	40.0000		
140 3,3'-Dichlorobenzidine	252	25.572	25.582	(1.002)	191764	50.7700	50.8	
141 Chrysene	228	25.572	25.593	(1.002)	681014	51.3880	51.4	
143 bis(2-Ethylhexyl)phthalate	149	25.935	25.944	(1.017)	714965	55.0944	55.1	
145 Di-n-octylphthalate	149	27.321	27.331	(0.953)	1142579	60.8238	60.8(R)	
146 7,12-Dimethylbenz(A)Anthracen	256	27.963	27.983	(0.975)	285609	56.1007	56.1	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
147 Benzo(b)fluoranthene	252	27.901	27.921	(0.973)	581372	52.9371	52.9	
148 Benzo(k)fluoranthene	252	27.953	27.973	(0.975)	620463	52.6731	52.7	
149 Benzo(a)pyrene	252	28.553	28.573	(0.996)	538087	55.3496	55.3	
* 150 Perylene-D12	264	28.677	28.677	(1.000)	452647	40.0000		
151 3-Methylcholanthrene	268	29.329	29.339	(1.023)	255150	53.6003	53.6	
152 Dibenz(a,j)acridine	279	30.561	30.581	(1.066)	311208	50.2814	50.3	
153 Indeno(1,2,3-cd)pyrene	276	30.944	30.964	(1.079)	342705	46.6164	46.6	
154 Dibenzo(a,h)anthracene	278	31.006	31.037	(1.081)	380824	50.1945	50.2	
155 Benzo(g,h,i)perylene	276	31.586	31.616	(1.101)	411117	47.9011	47.9	
M 156 Total PAHs	100				12635463	874.931	875	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5860.D
Lab Smp Id: 8270C IND CHECK
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Calibration Date: 26-MAY-2011
Calibration Time: 12:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

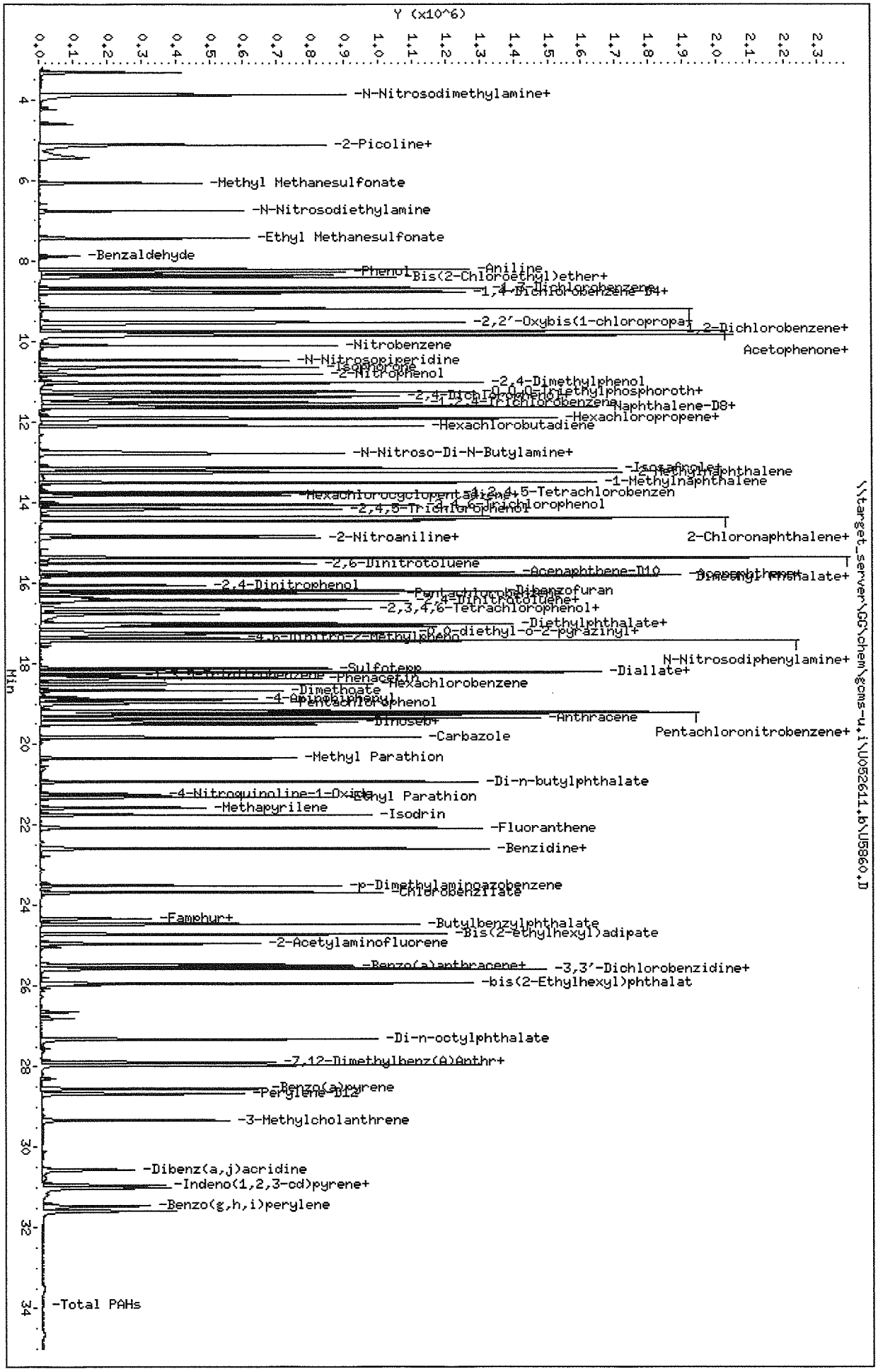
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	306856	0.56
43 Naphthalene-D8	1029934	514967	2059868	1126507	9.38
77 Acenaphthene-D10	430934	215467	861868	548054	27.18
114 Phenanthrene-D10	553474	276737	1106948	795335	43.70
139 Chrysene-D12	401451	200726	802902	613467	52.81
150 Perylene-D12	347561	173781	695122	452647	30.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.75	-0.08
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.03
77 Acenaphthene-D10	15.75	15.25	16.25	15.74	-0.05
114 Phenanthrene-D10	19.20	18.70	19.70	19.21	0.02
139 Chrysene-D12	25.51	25.01	26.01	25.51	0.01
150 Perylene-D12	28.66	28.16	29.16	28.68	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-u.i\U052611.b\U5860.D
Date : 26-MAY-2011 16:34
Client ID:
Sample Info: 8270C IND CHECK
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



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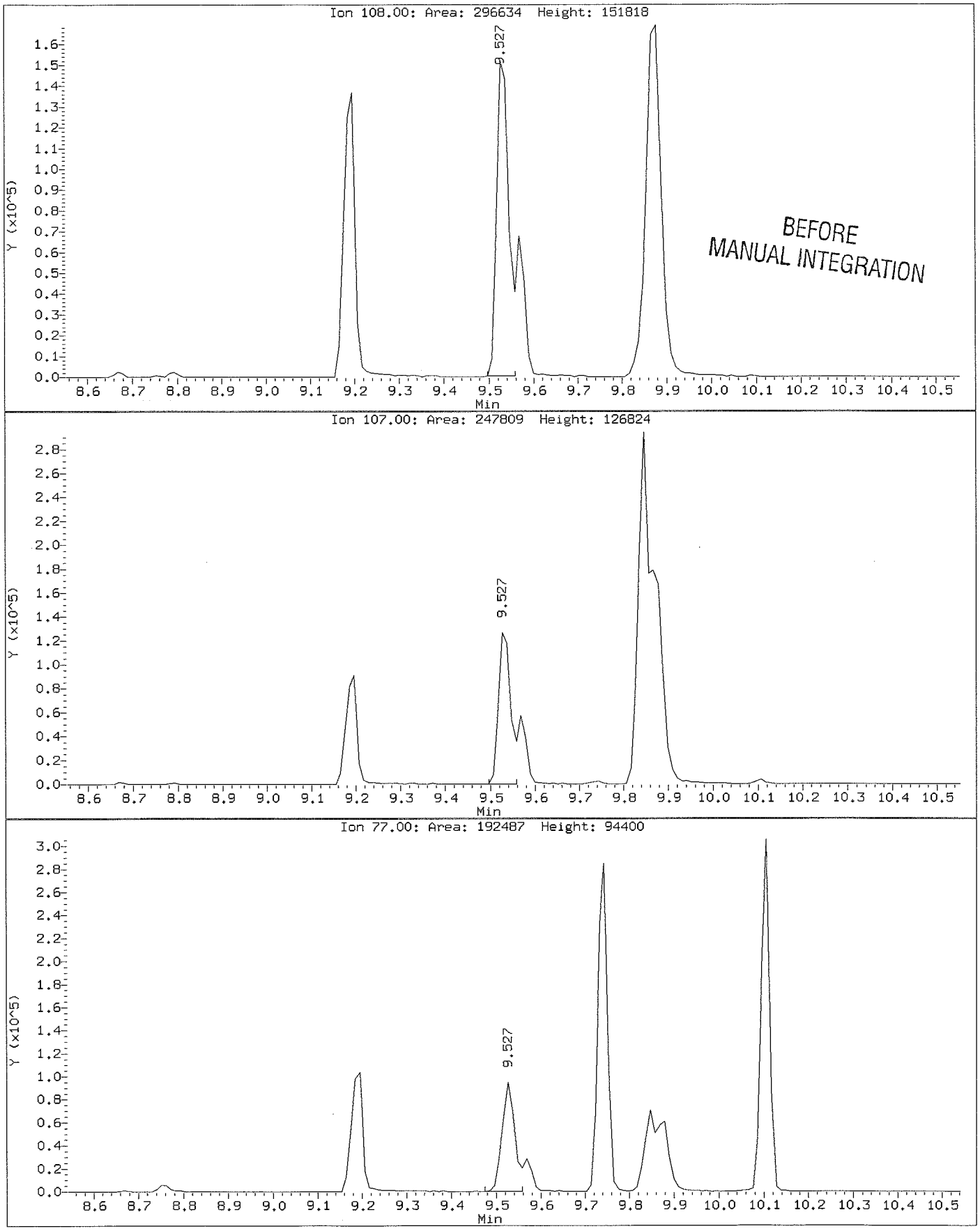
Injection Date: 26-MAY-2011 12:06
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



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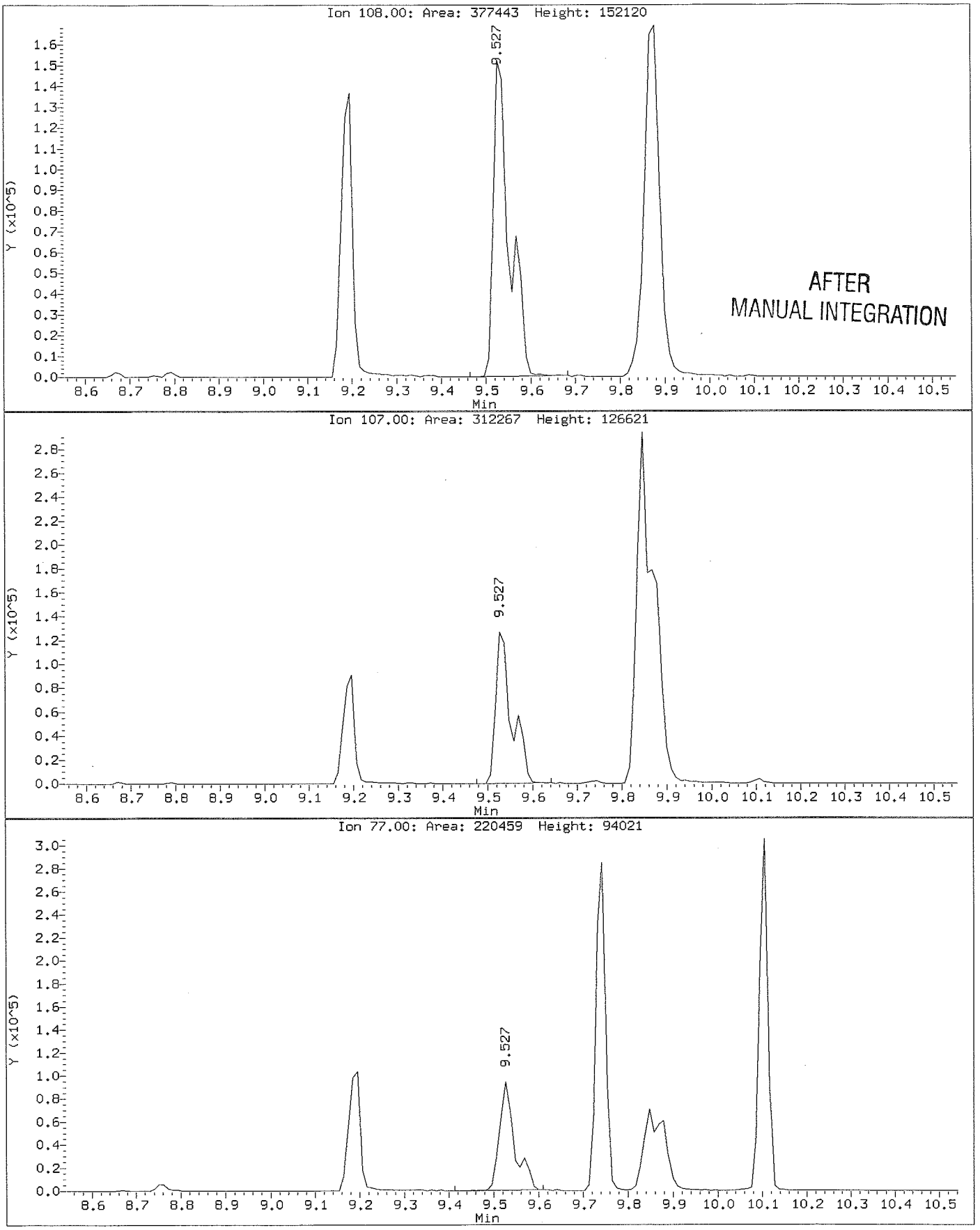
Injection Date: 26-MAY-2011 12:06
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



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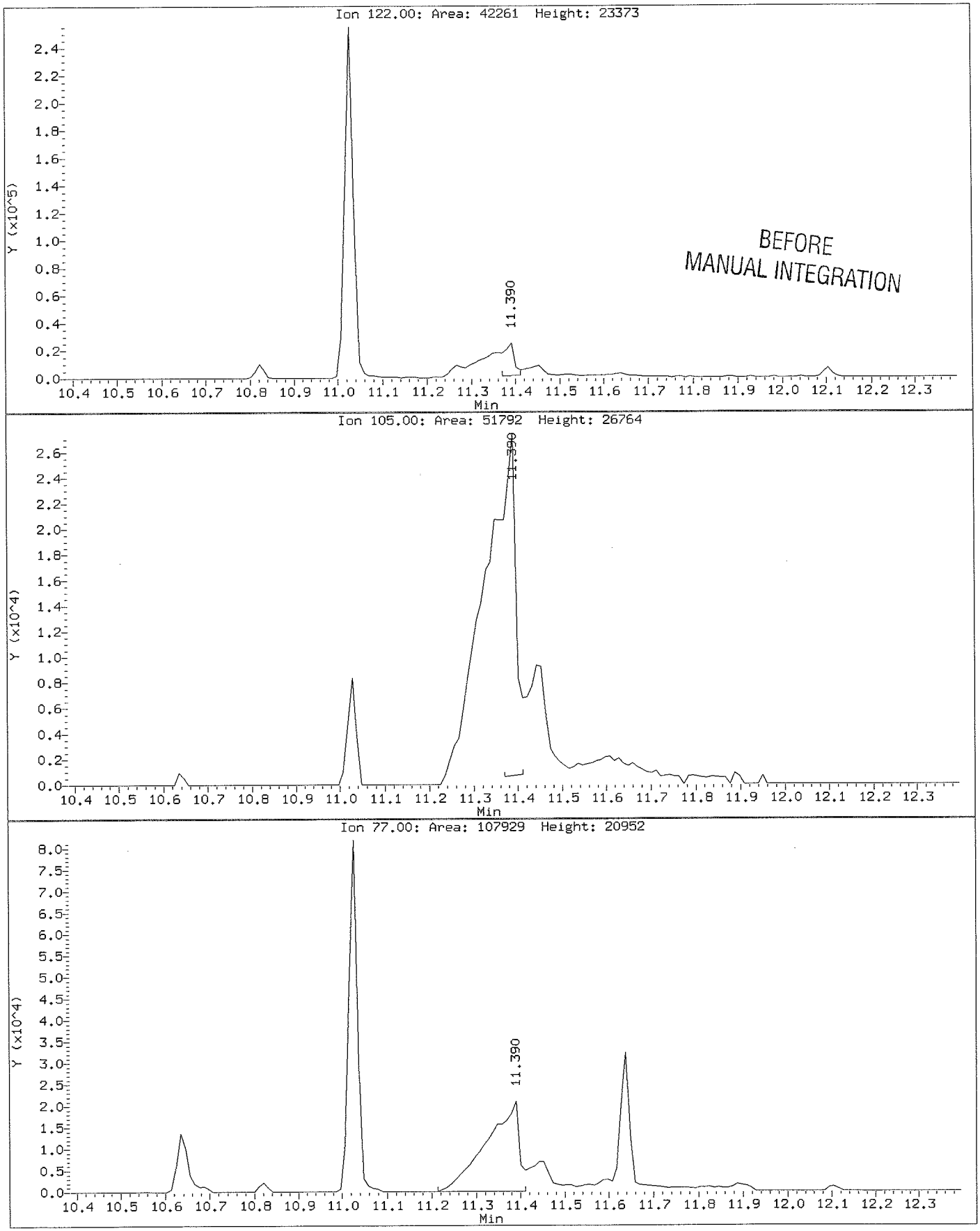
Injection Date: 26-MAY-2011 12:06
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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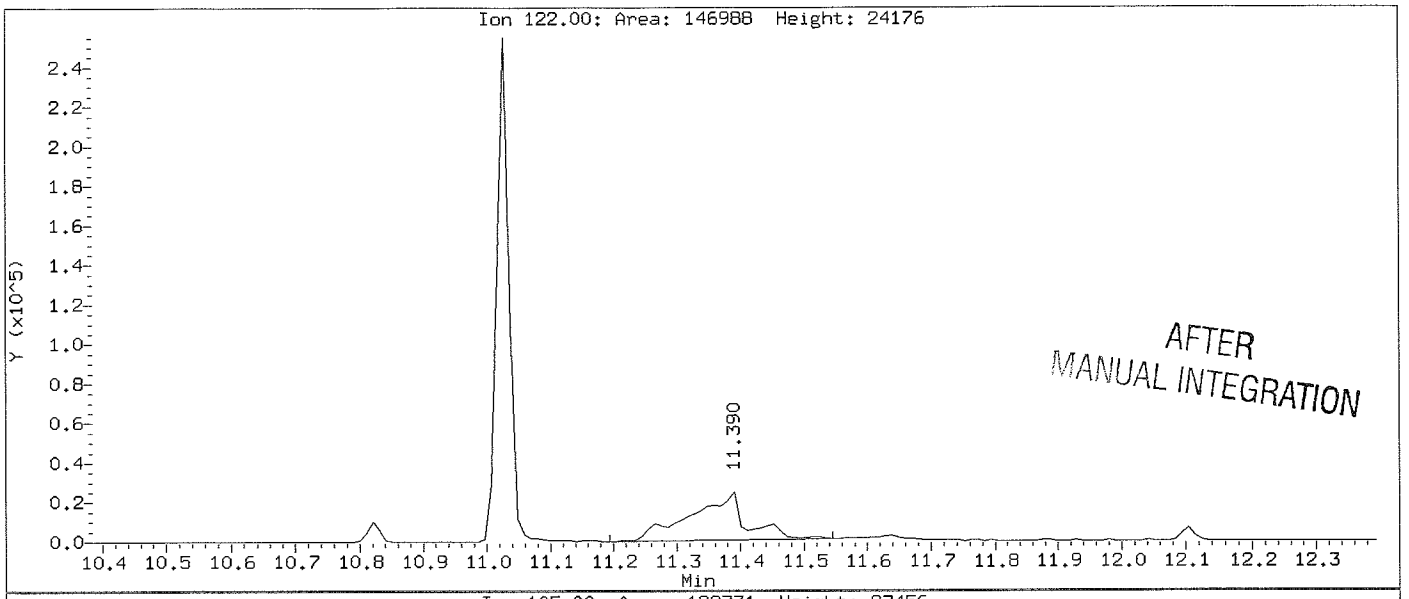
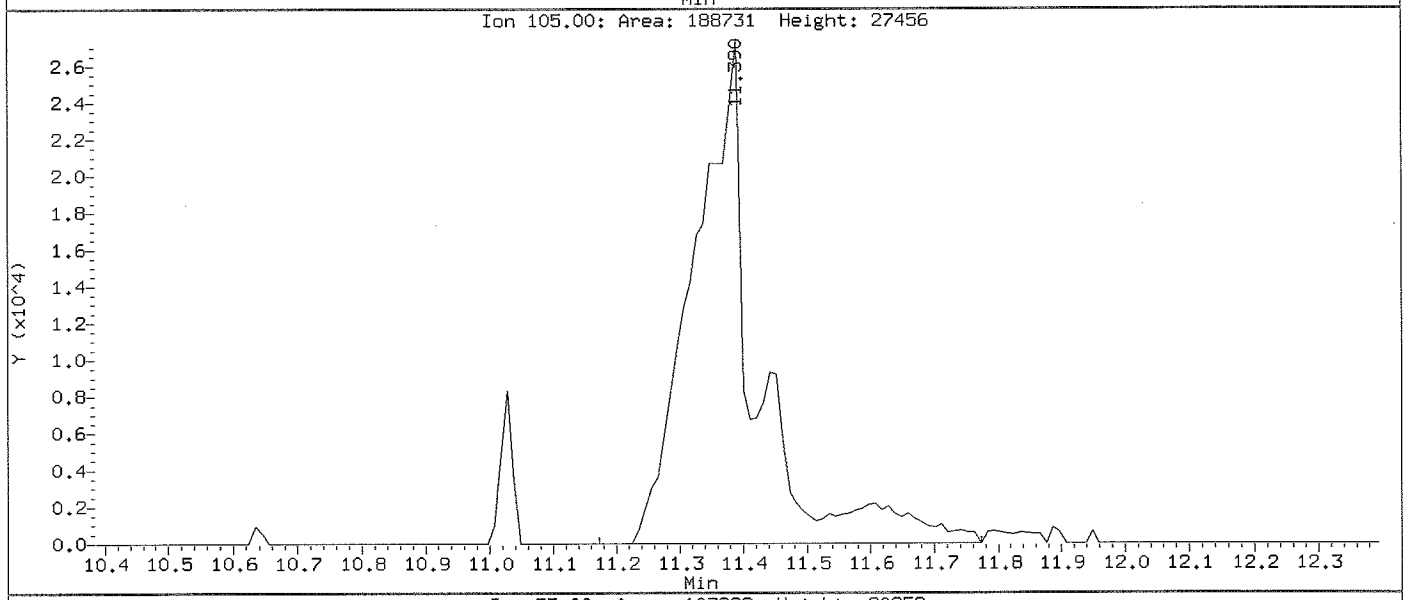
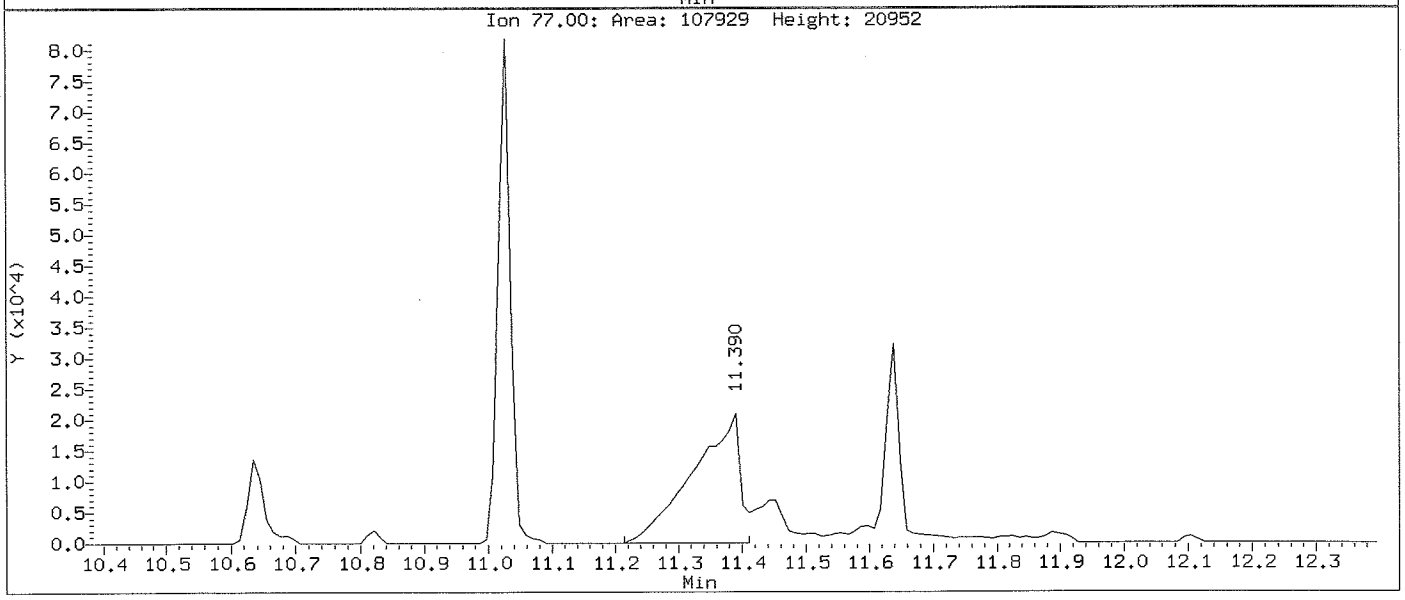
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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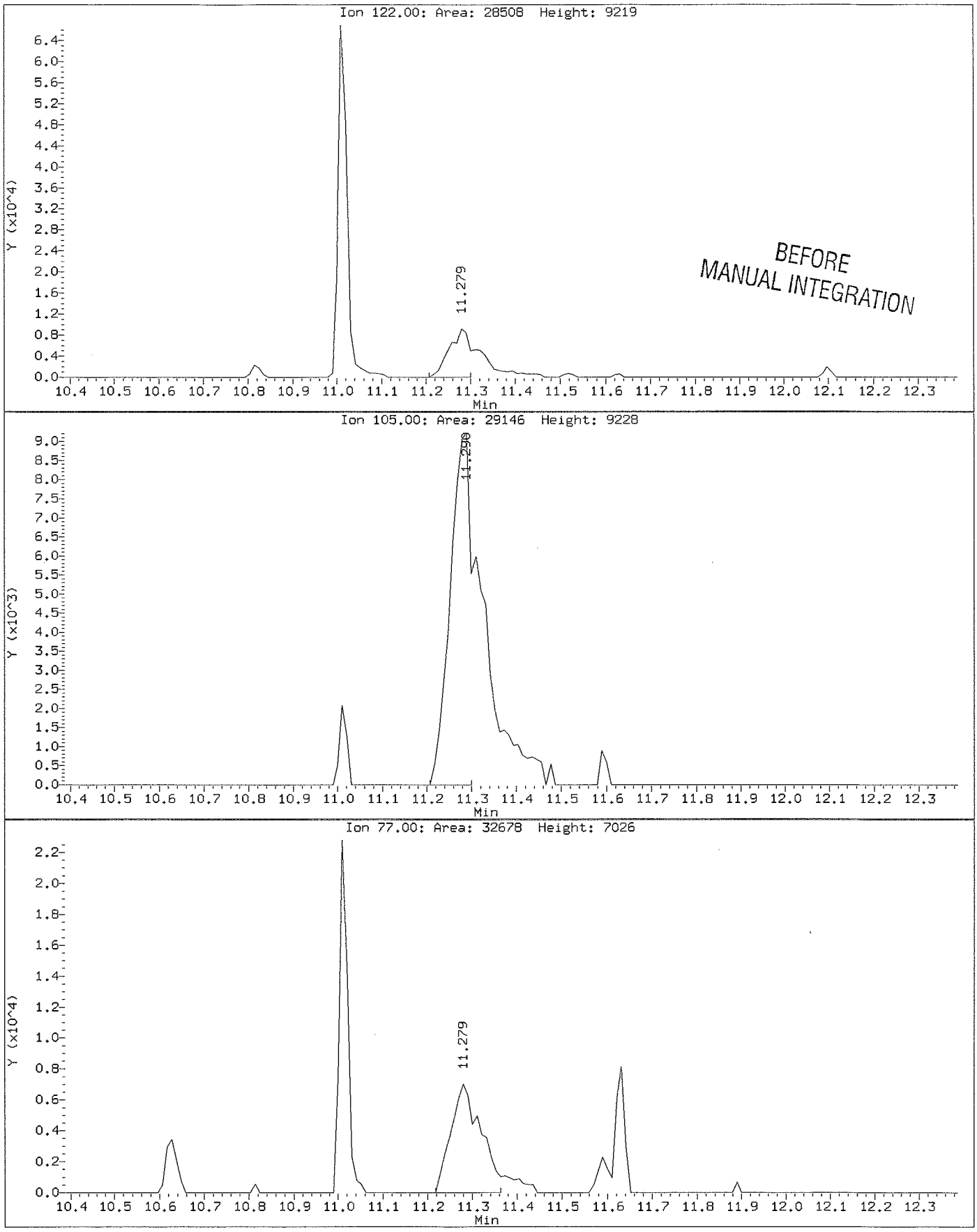
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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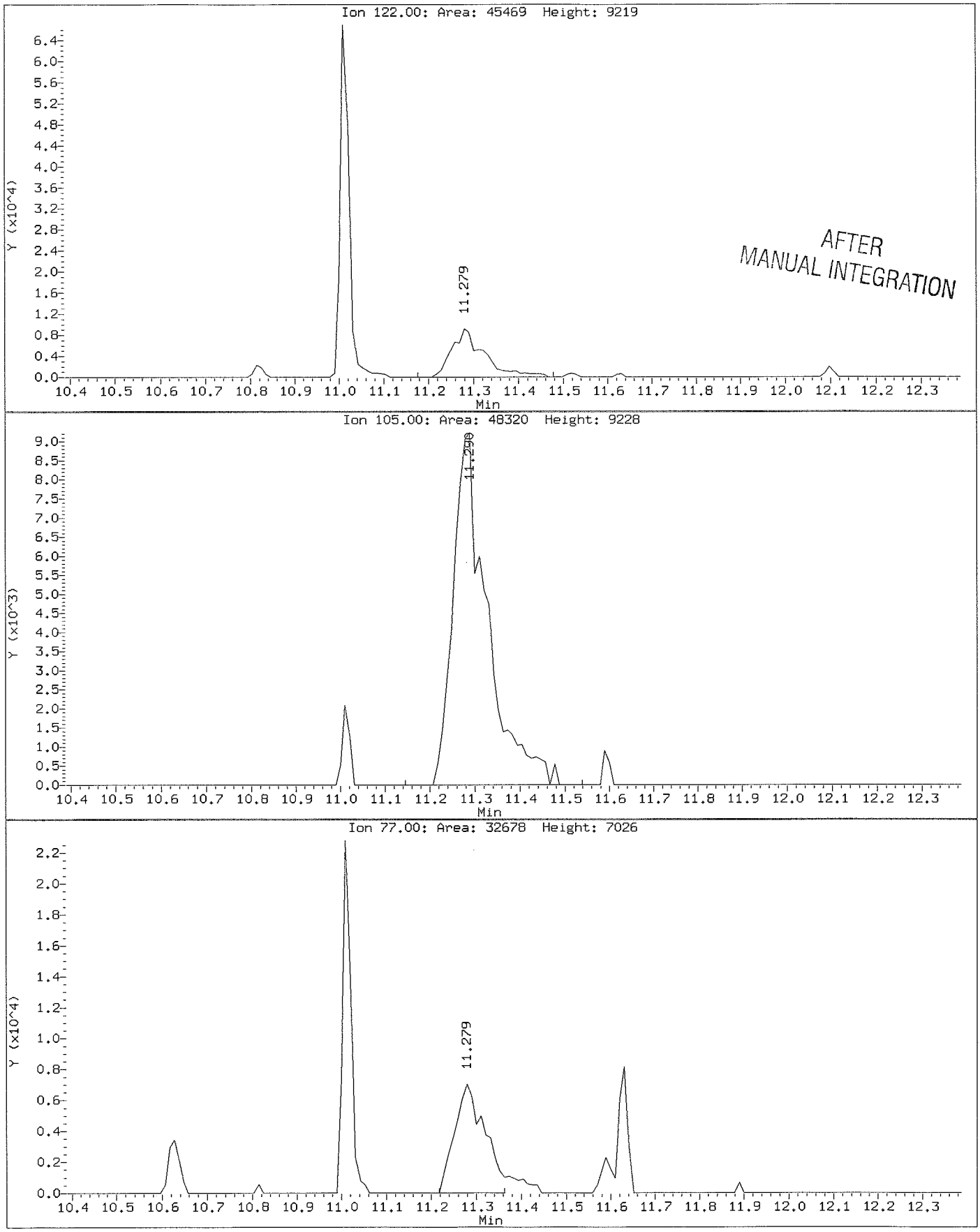
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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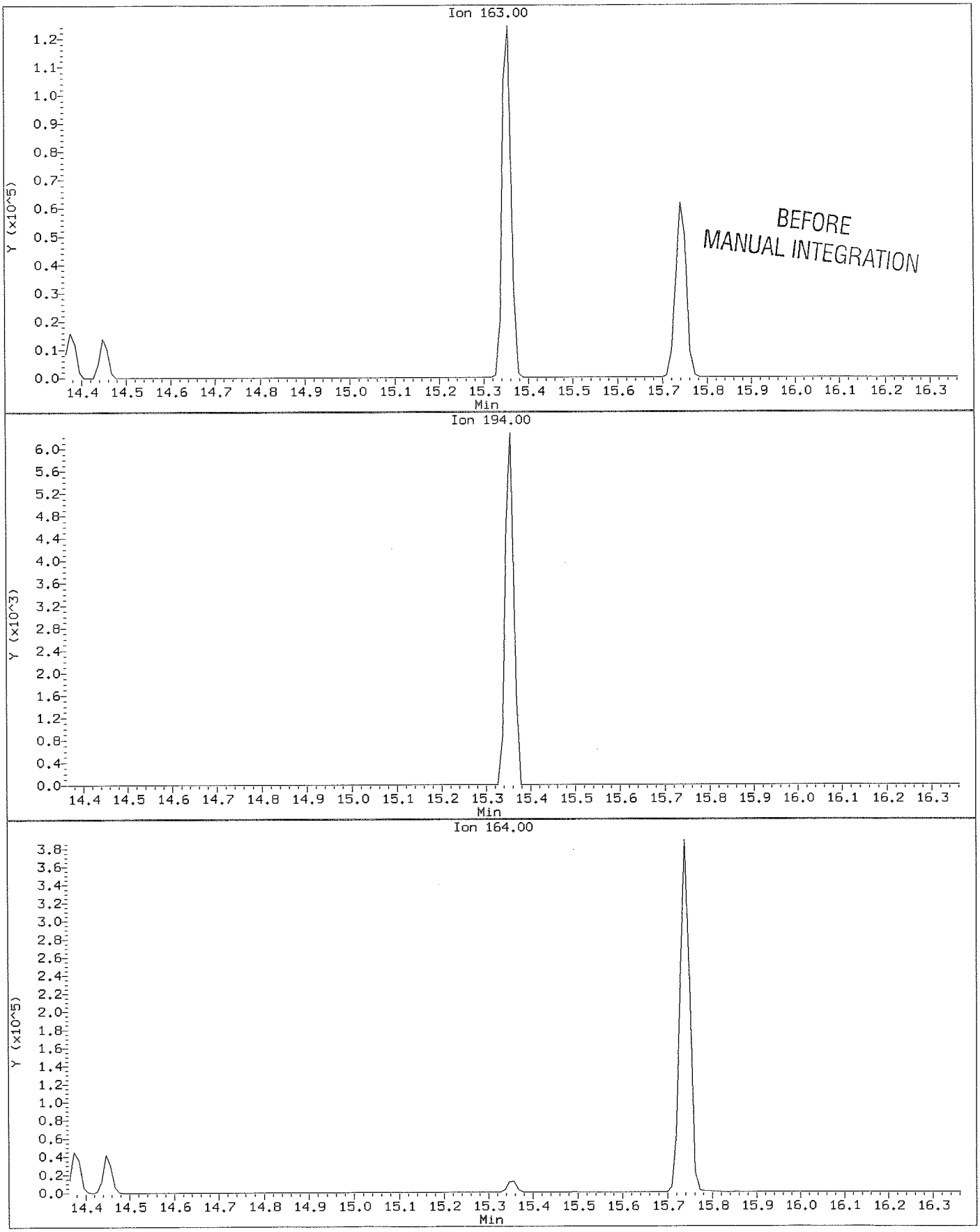
Injection Date: 26-MAY-2011 12:53
Instrument: gcms-u.i
Client Sample ID:

Compound: Dimethyl Phthalate
CAS Number: 131-11-3



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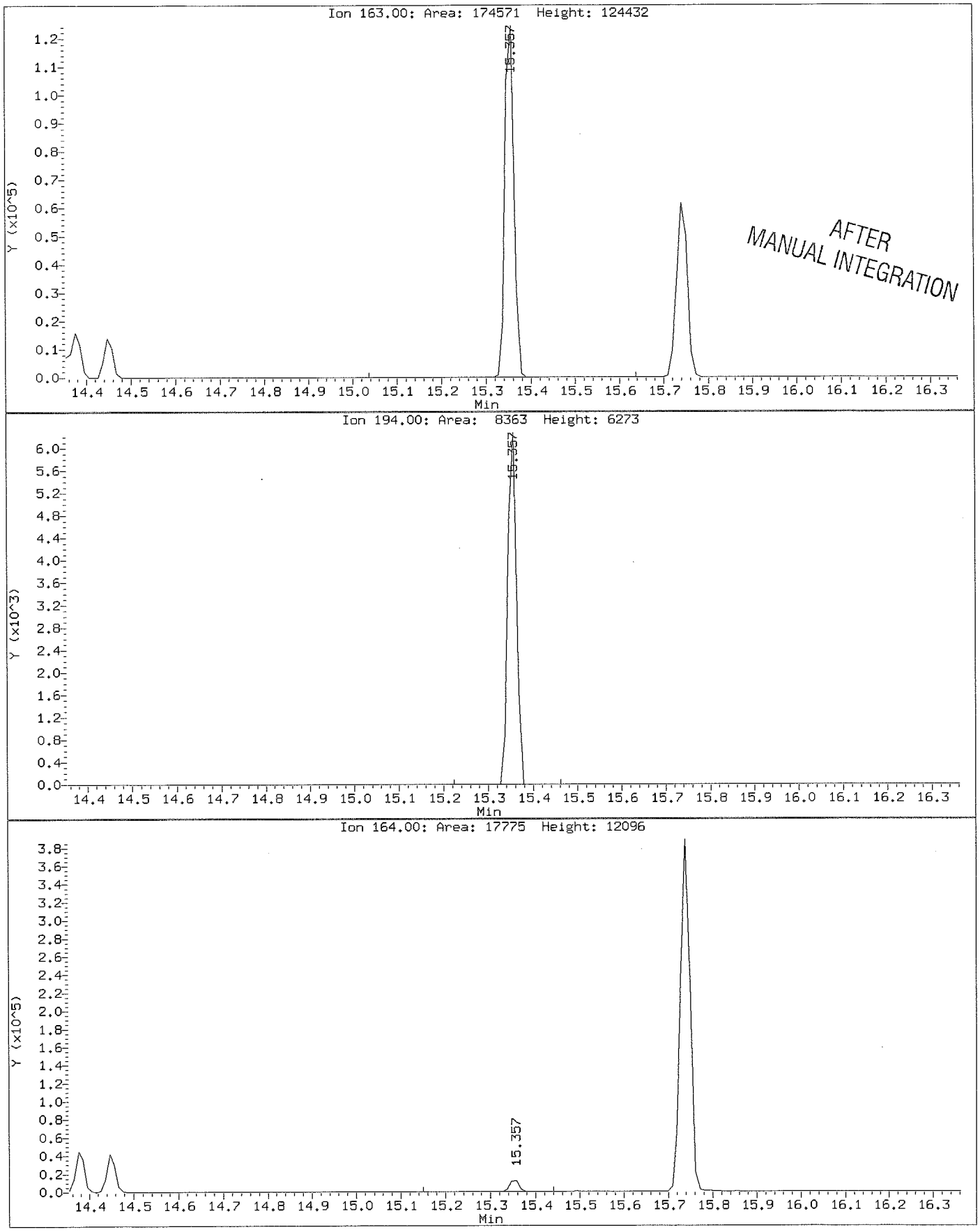
Instrument: gcms-u.i
Client Sample ID:

Compound: Dimethyl Phthalate
CAS Number: 131-11-3



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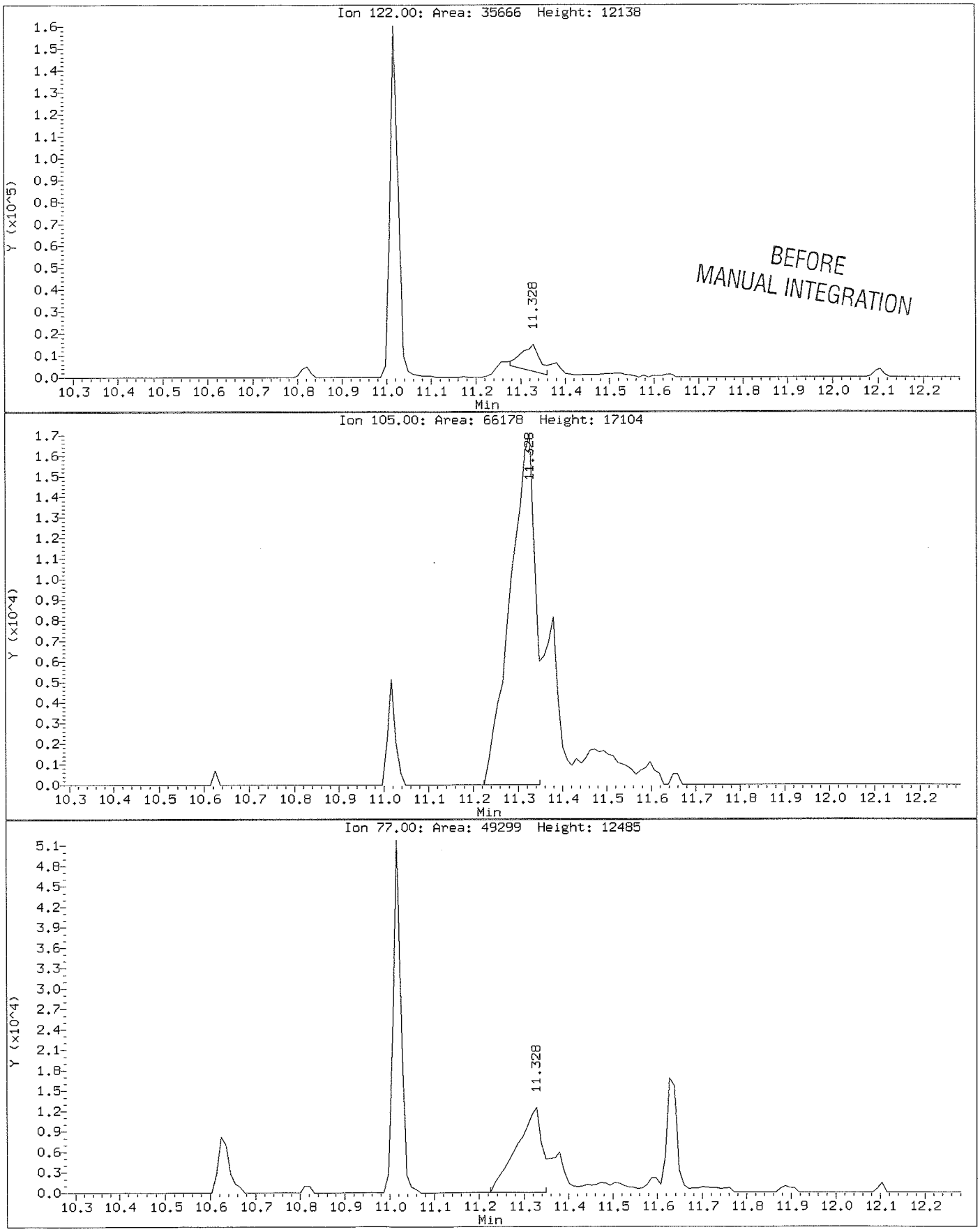
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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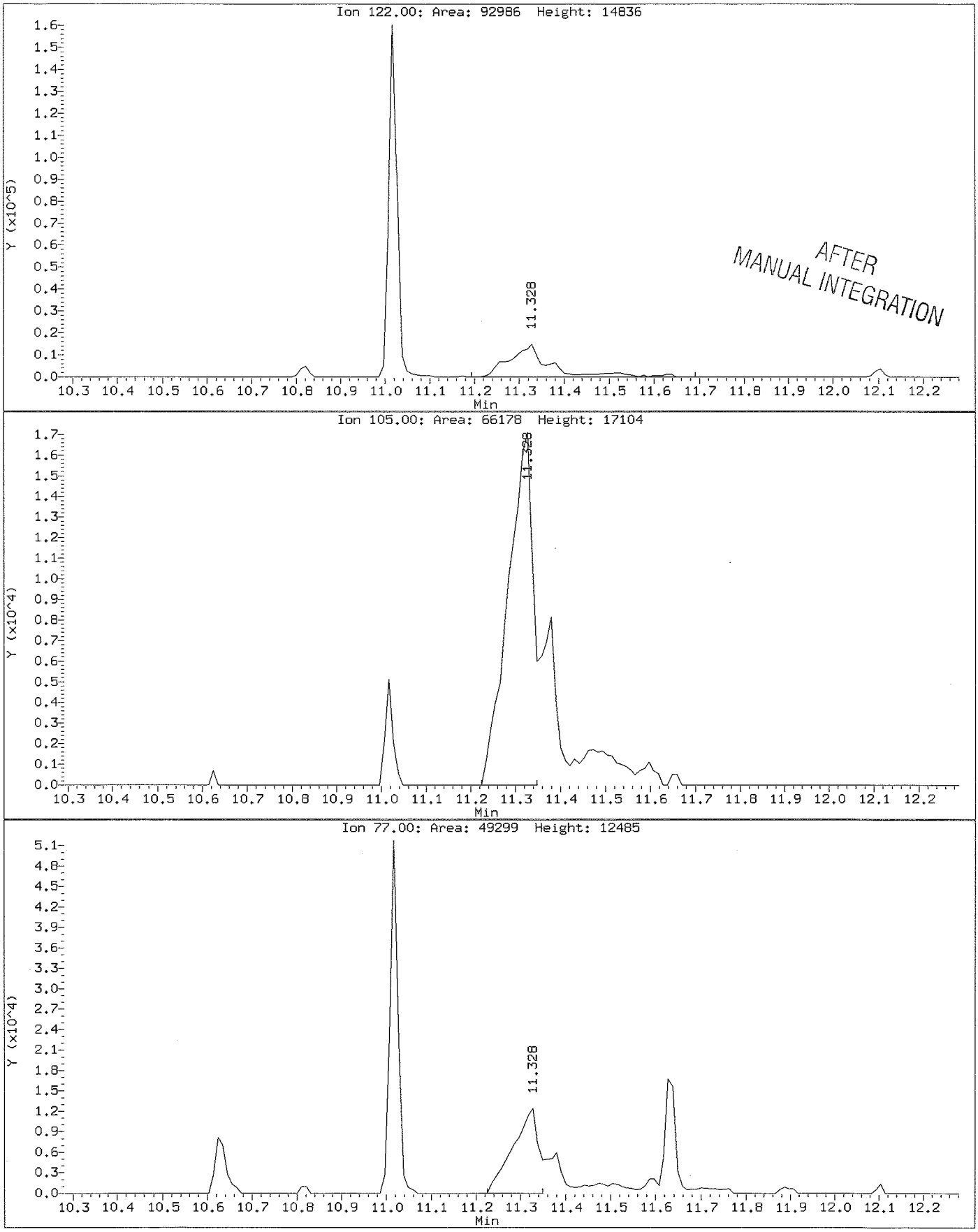
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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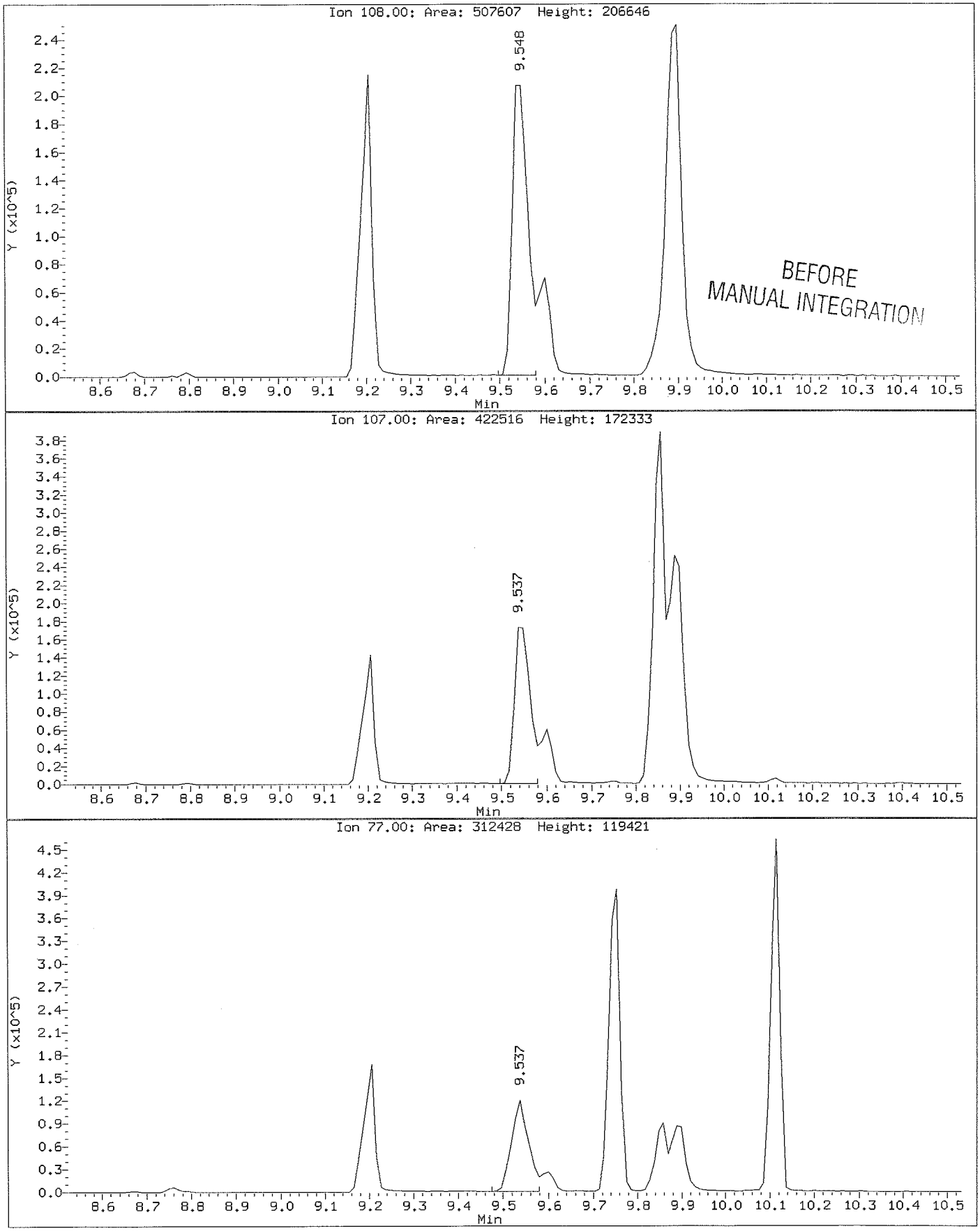
Injection Date: 26-MAY-2011 14:22
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



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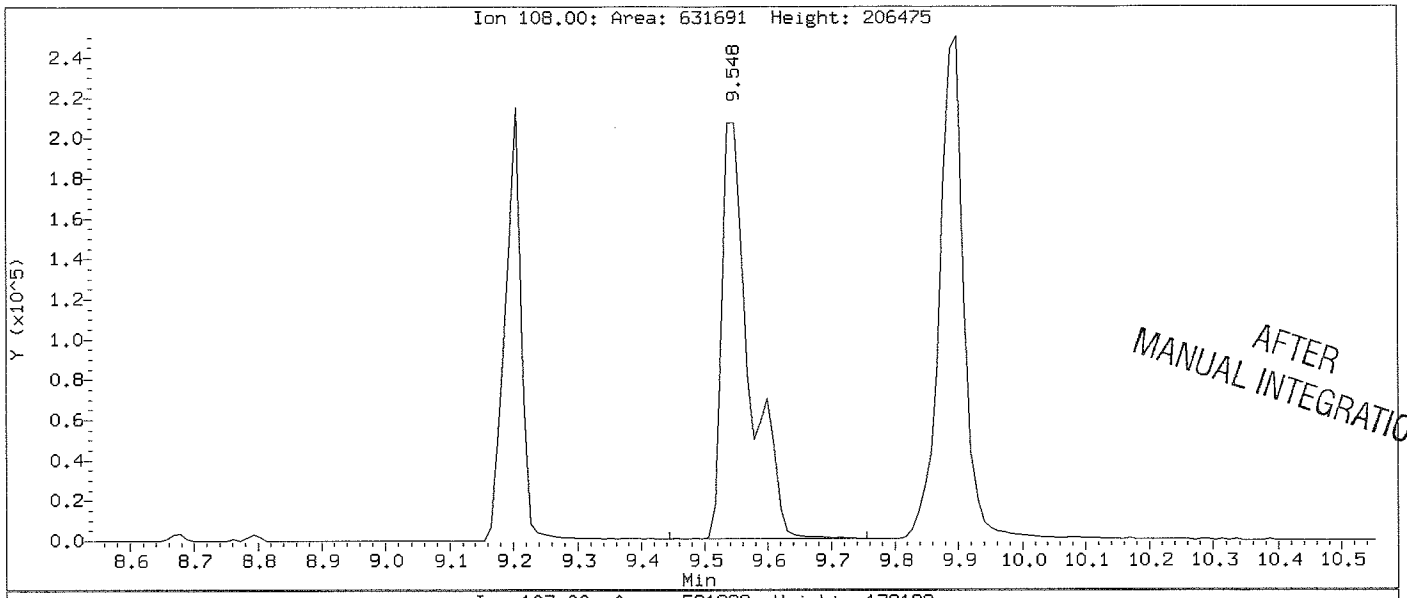
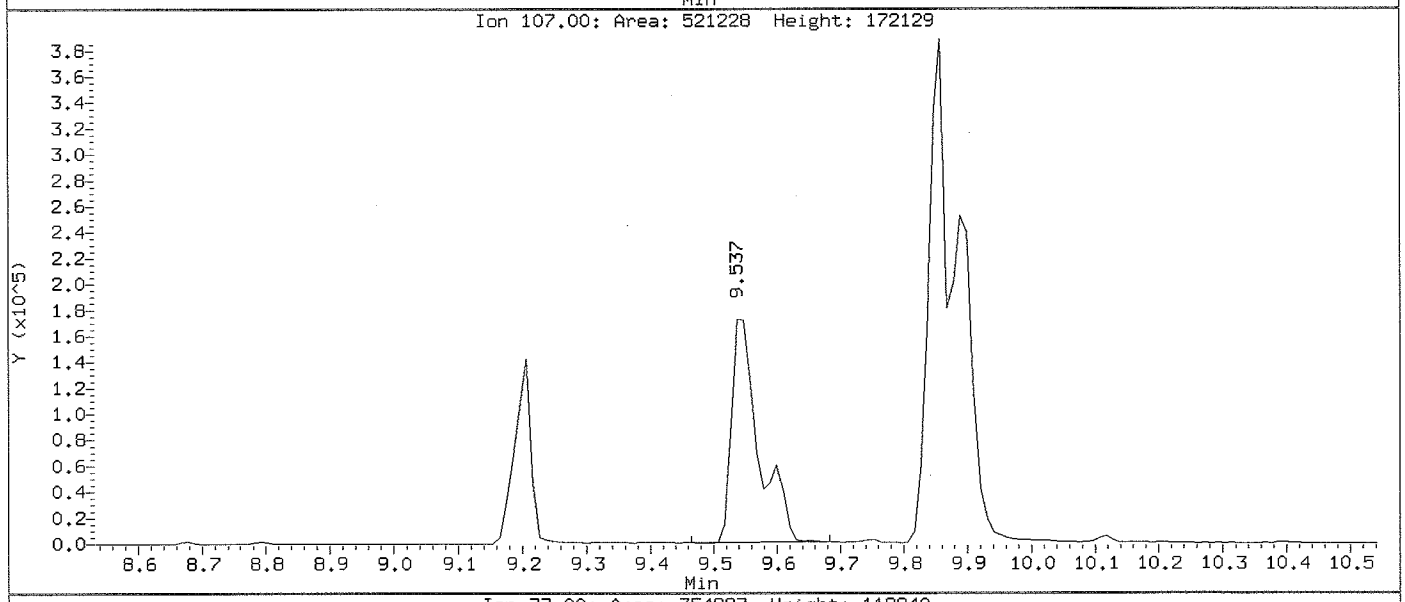
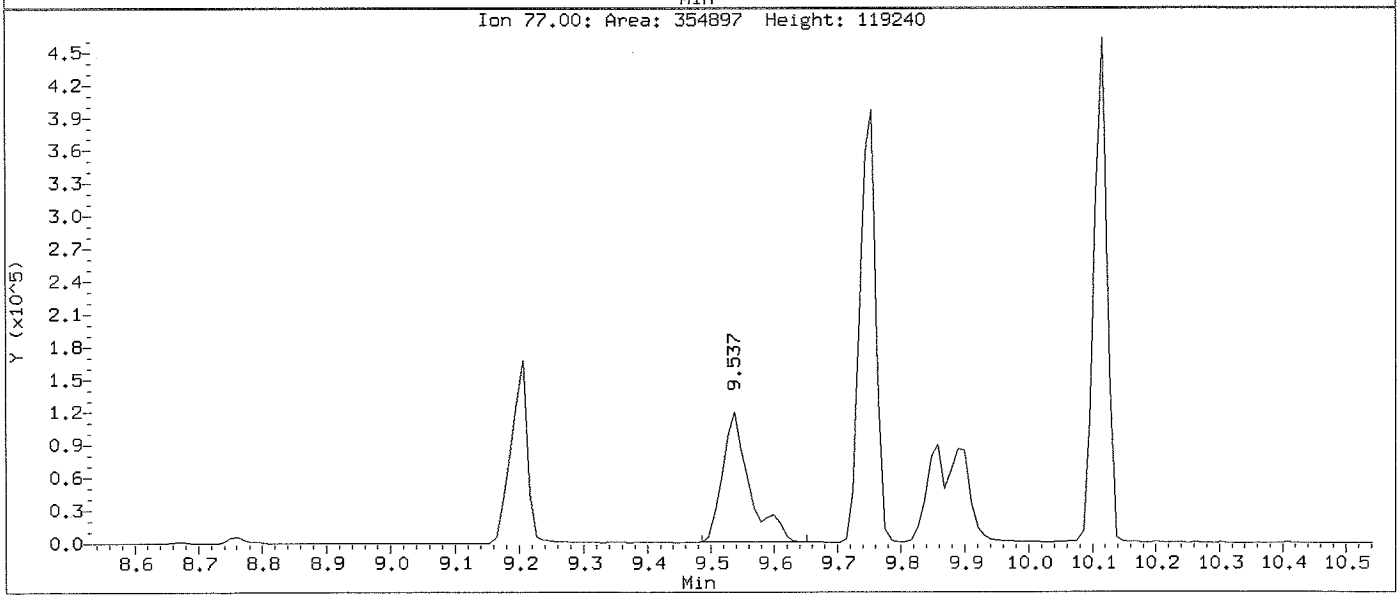
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







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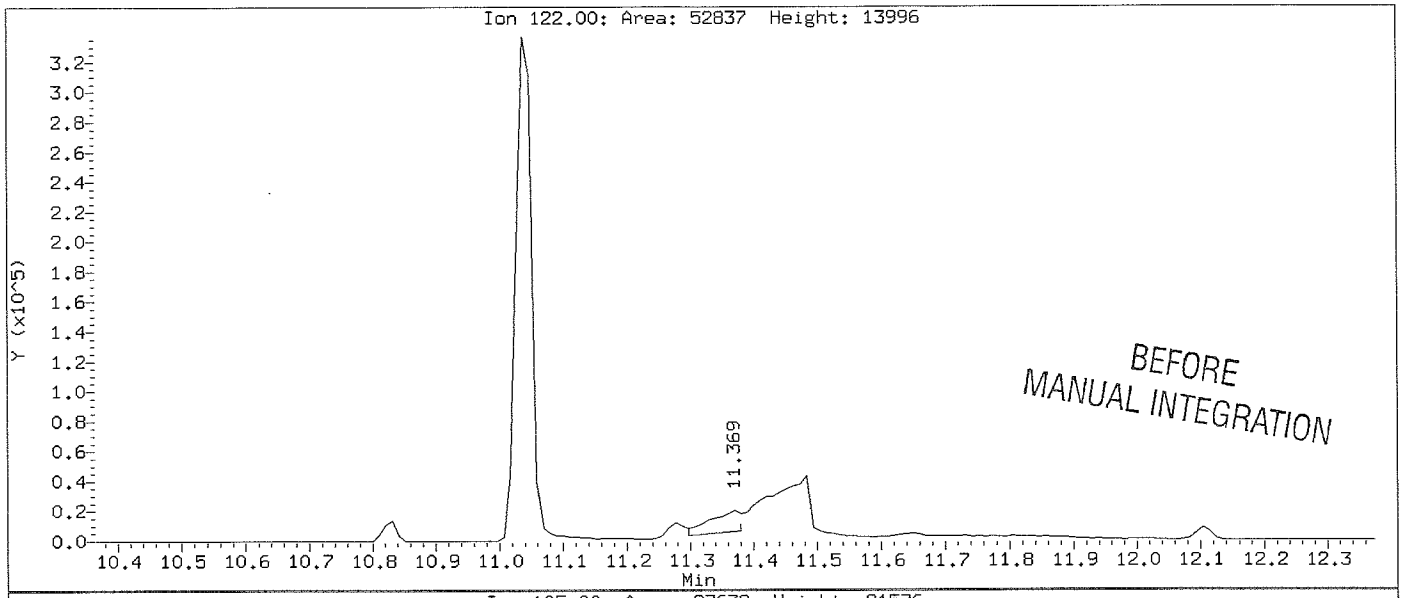
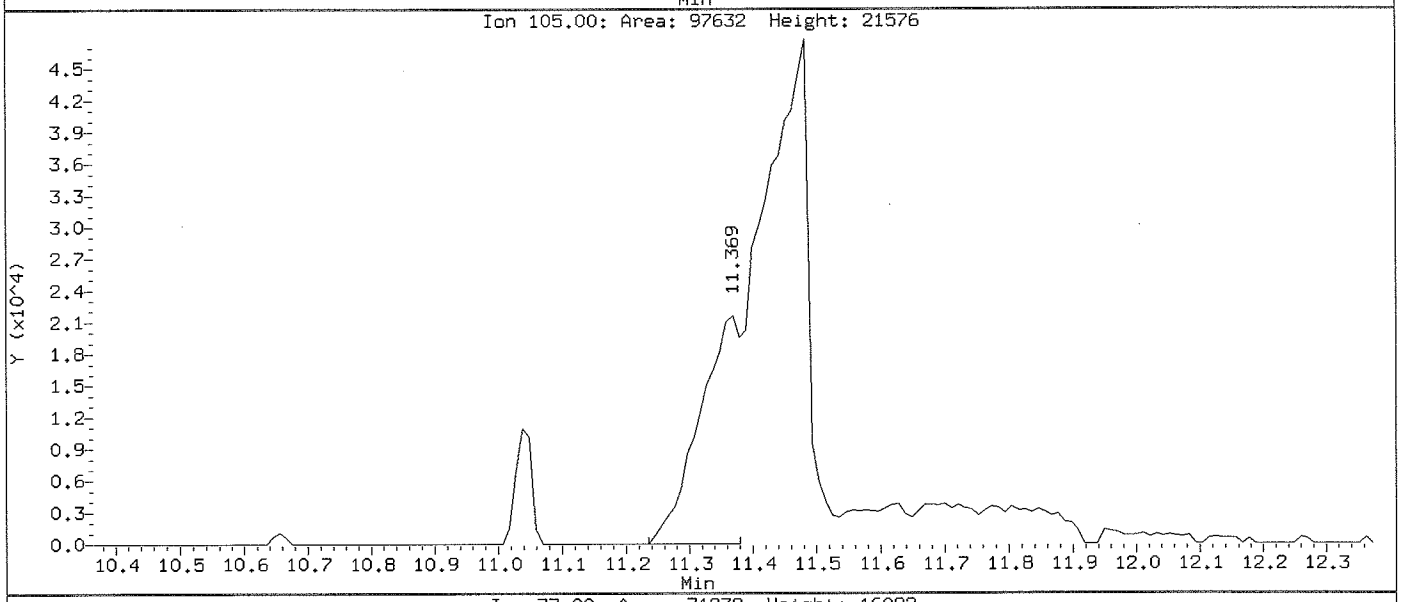
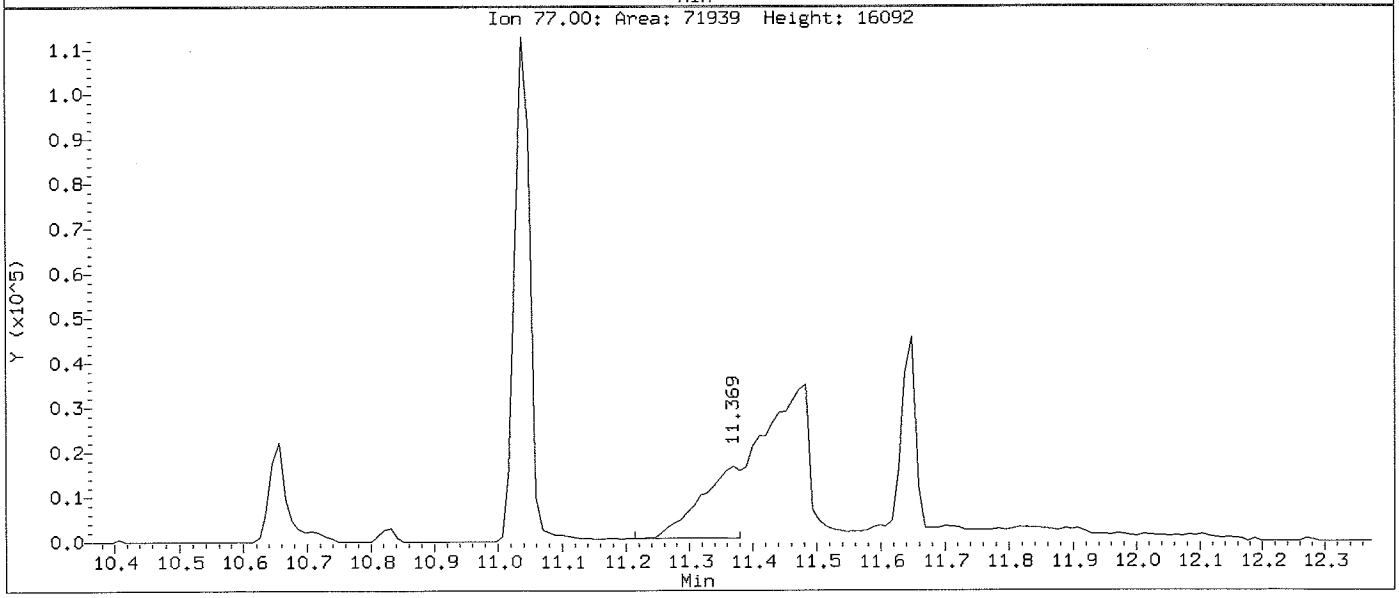
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







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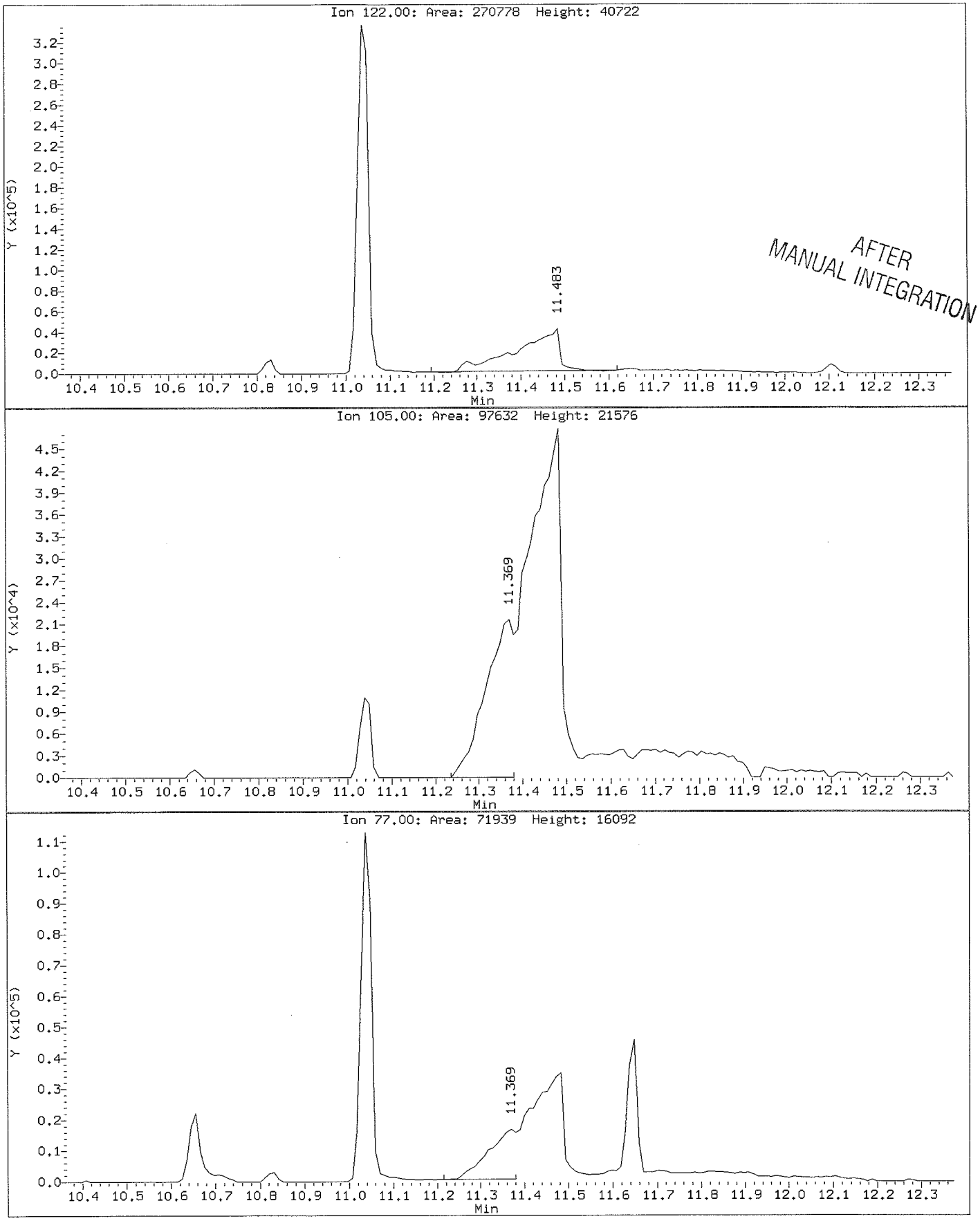
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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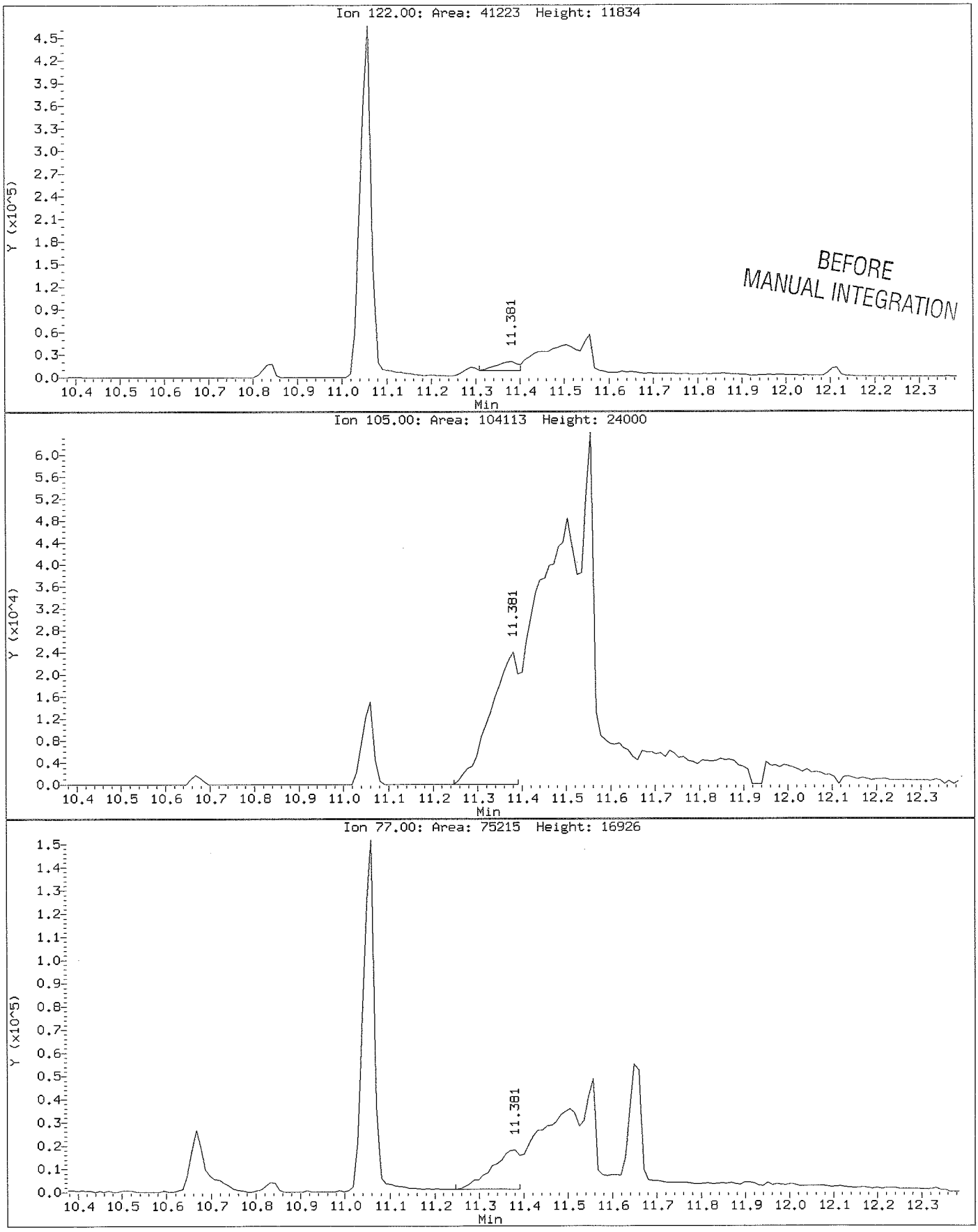
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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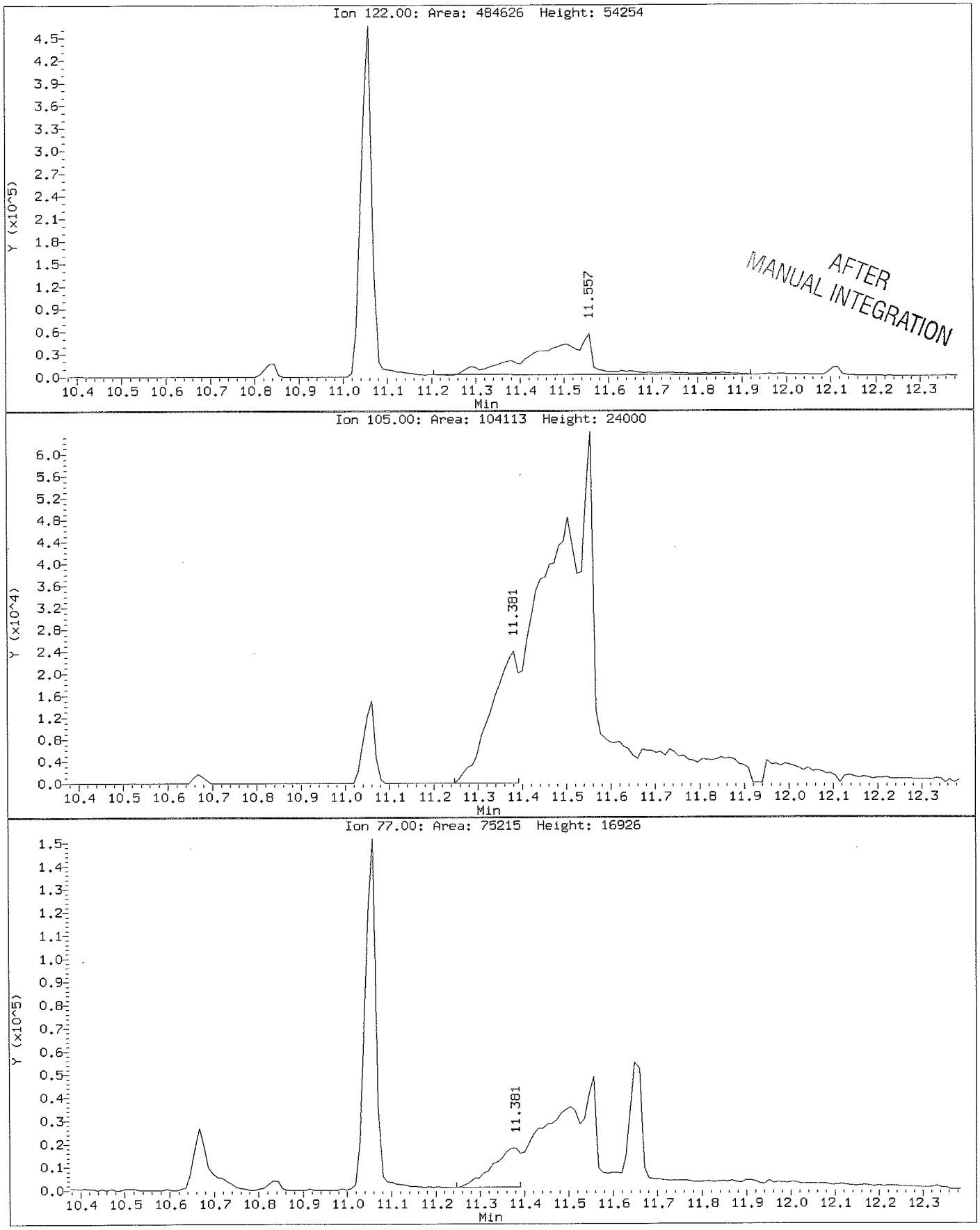
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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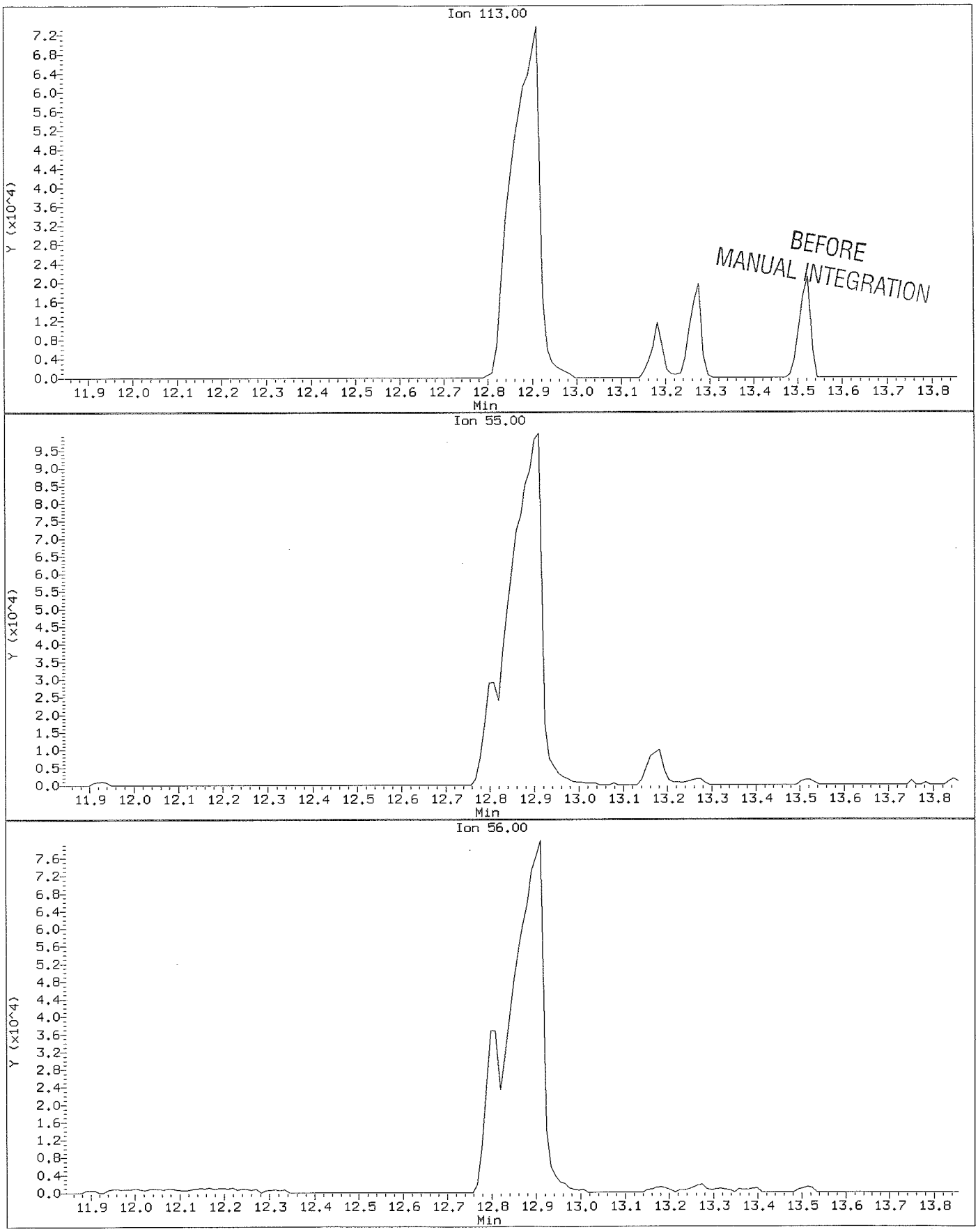
Injection Date: 26-MAY-2011 15:06
Instrument: gcms-u.i
Client Sample ID:

Compound: Caprolactam
CAS Number: 105-60-2



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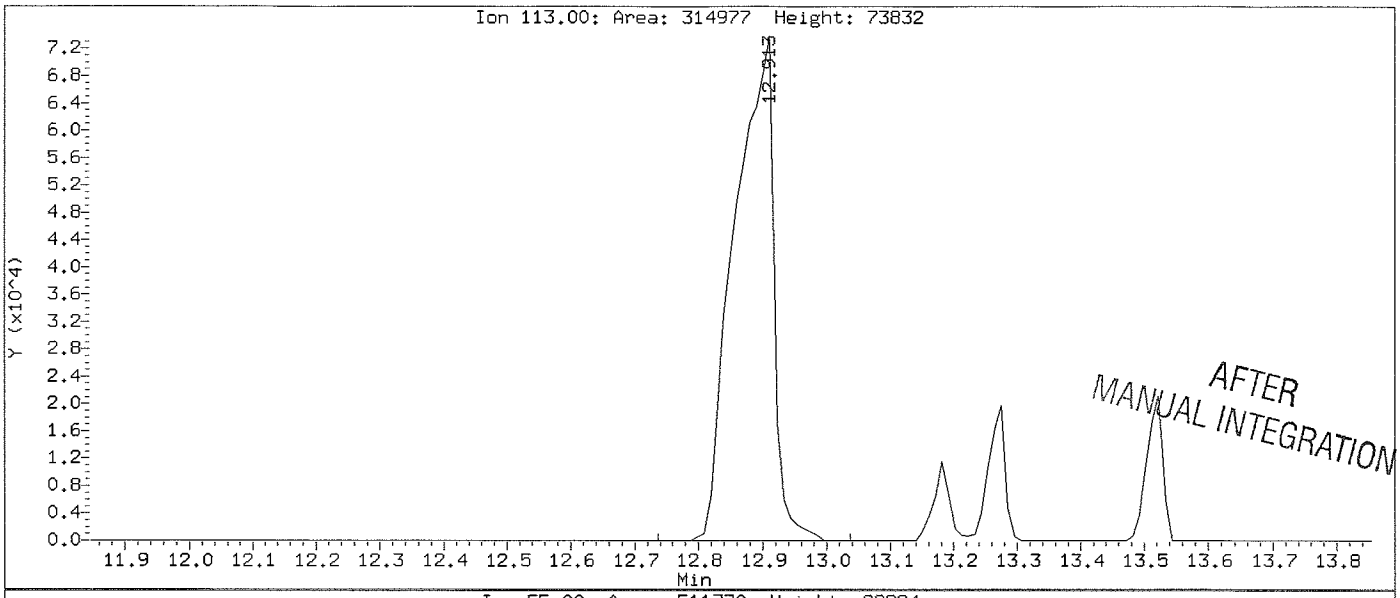
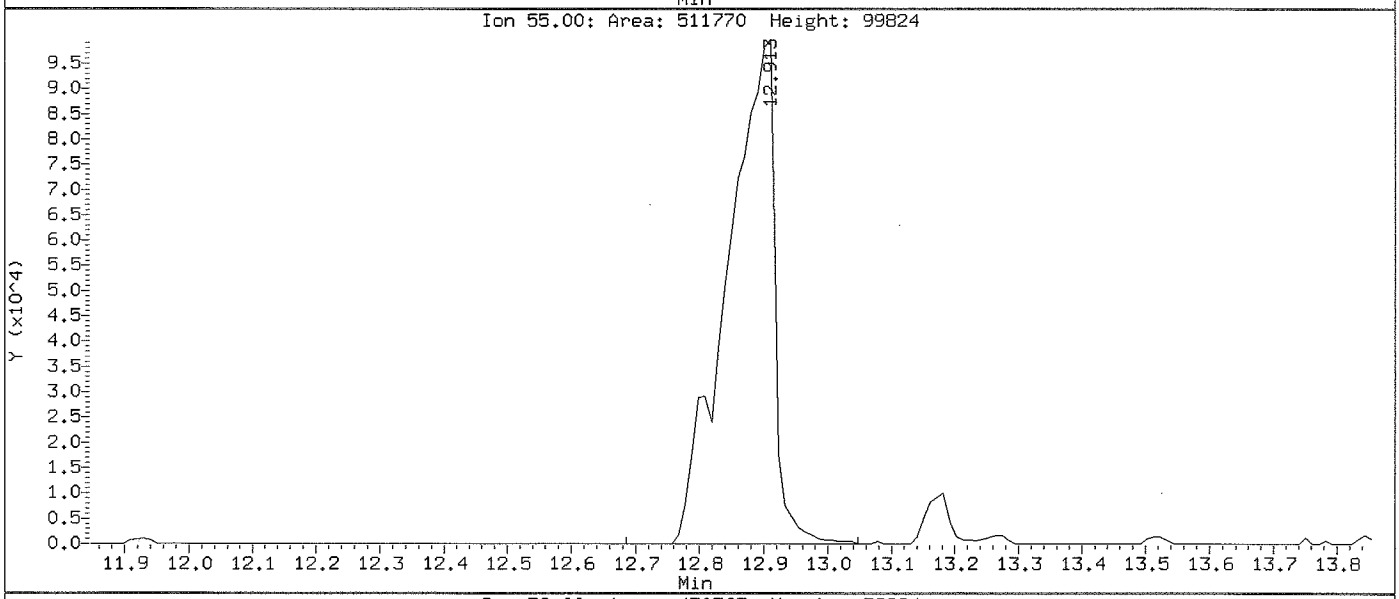
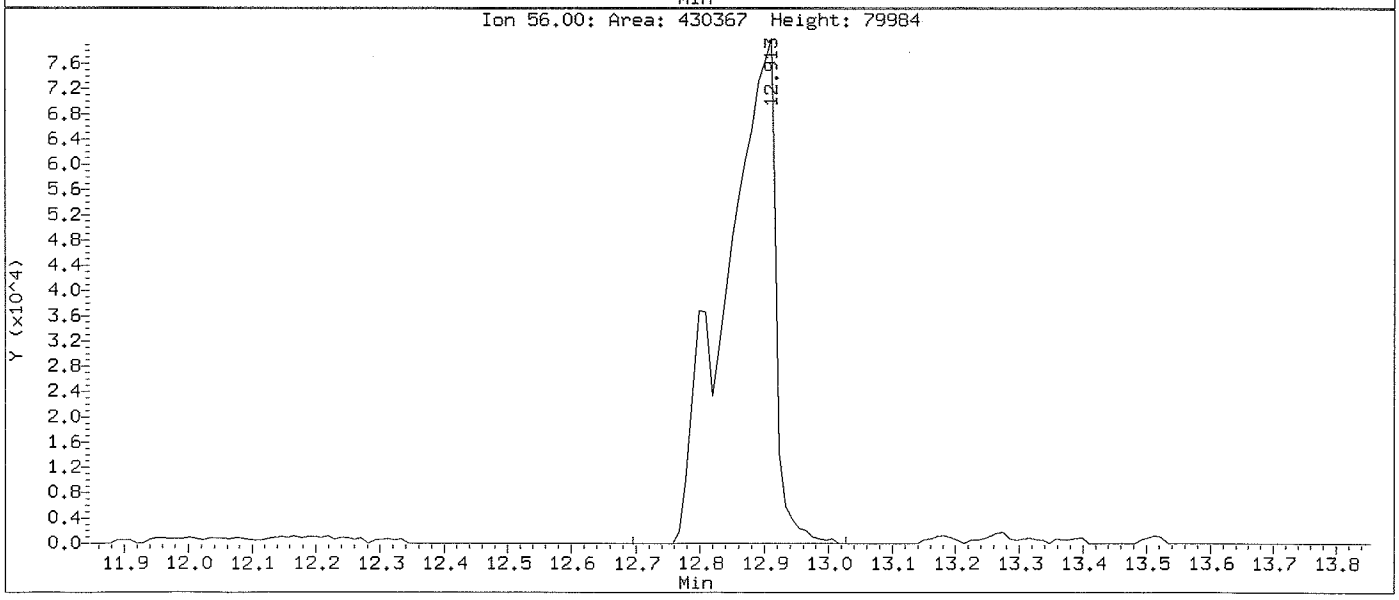
Instrument: gcms-u.i
Client Sample ID:

Compound: Caprolactam
CAS Number: 105-60-2







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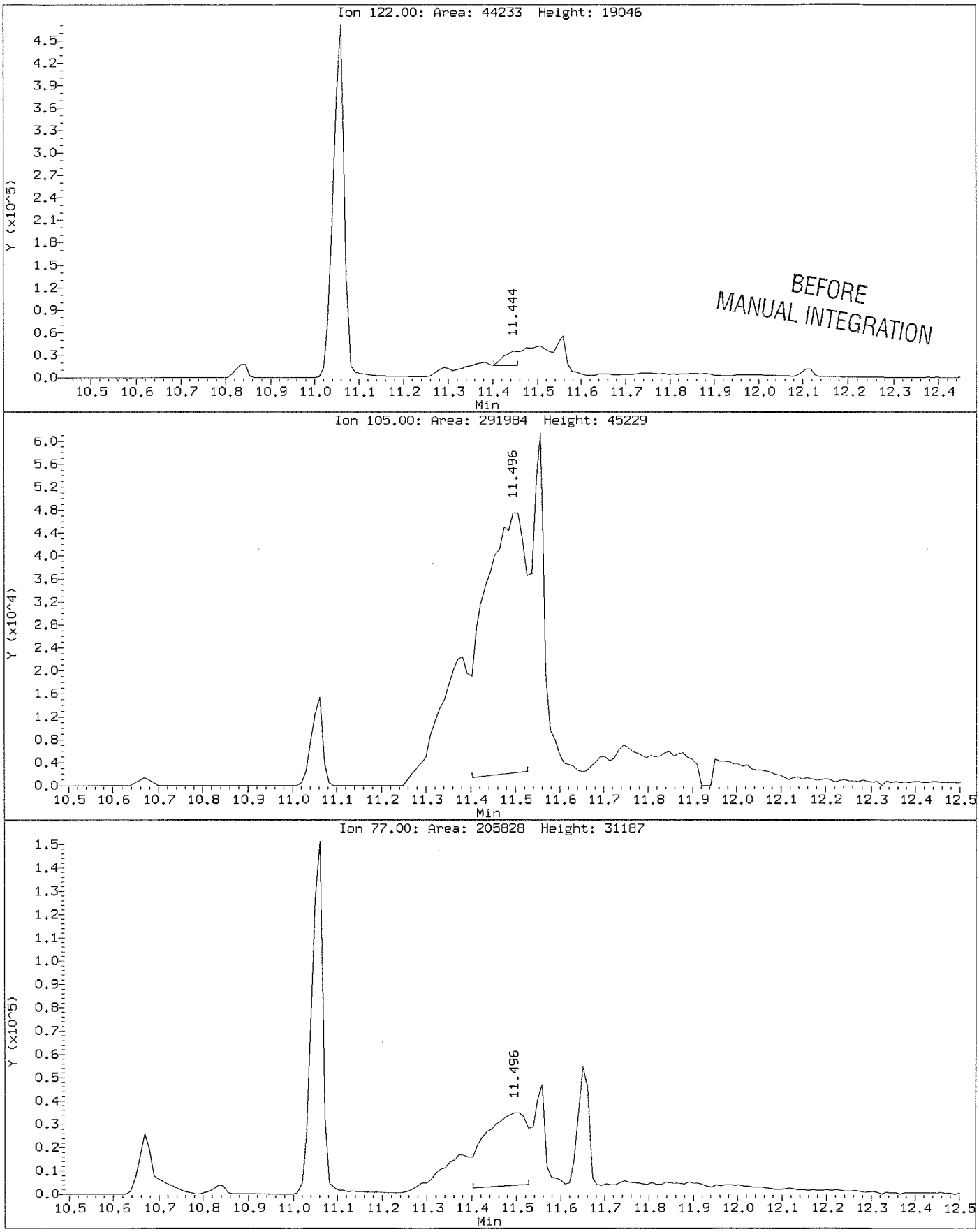
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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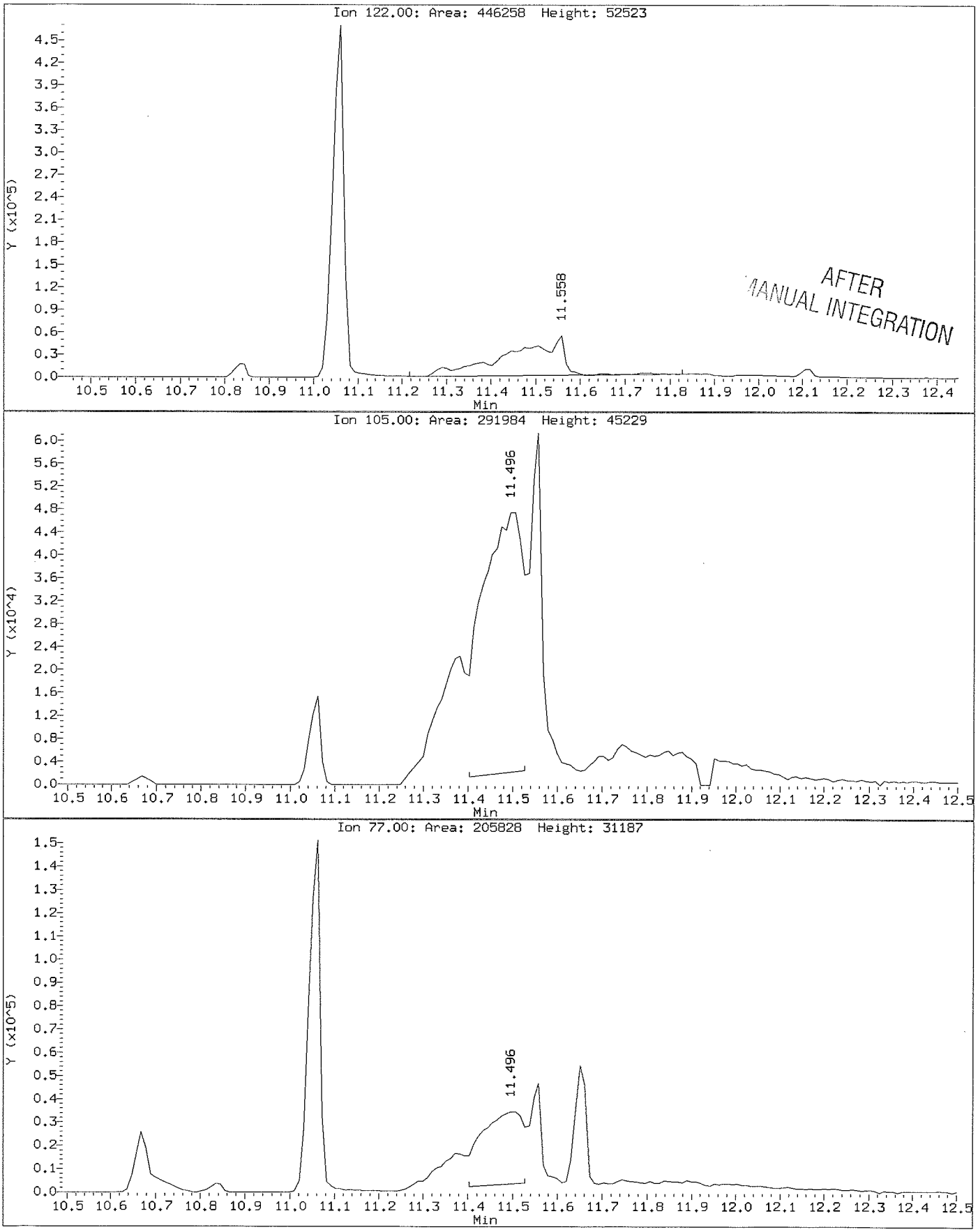
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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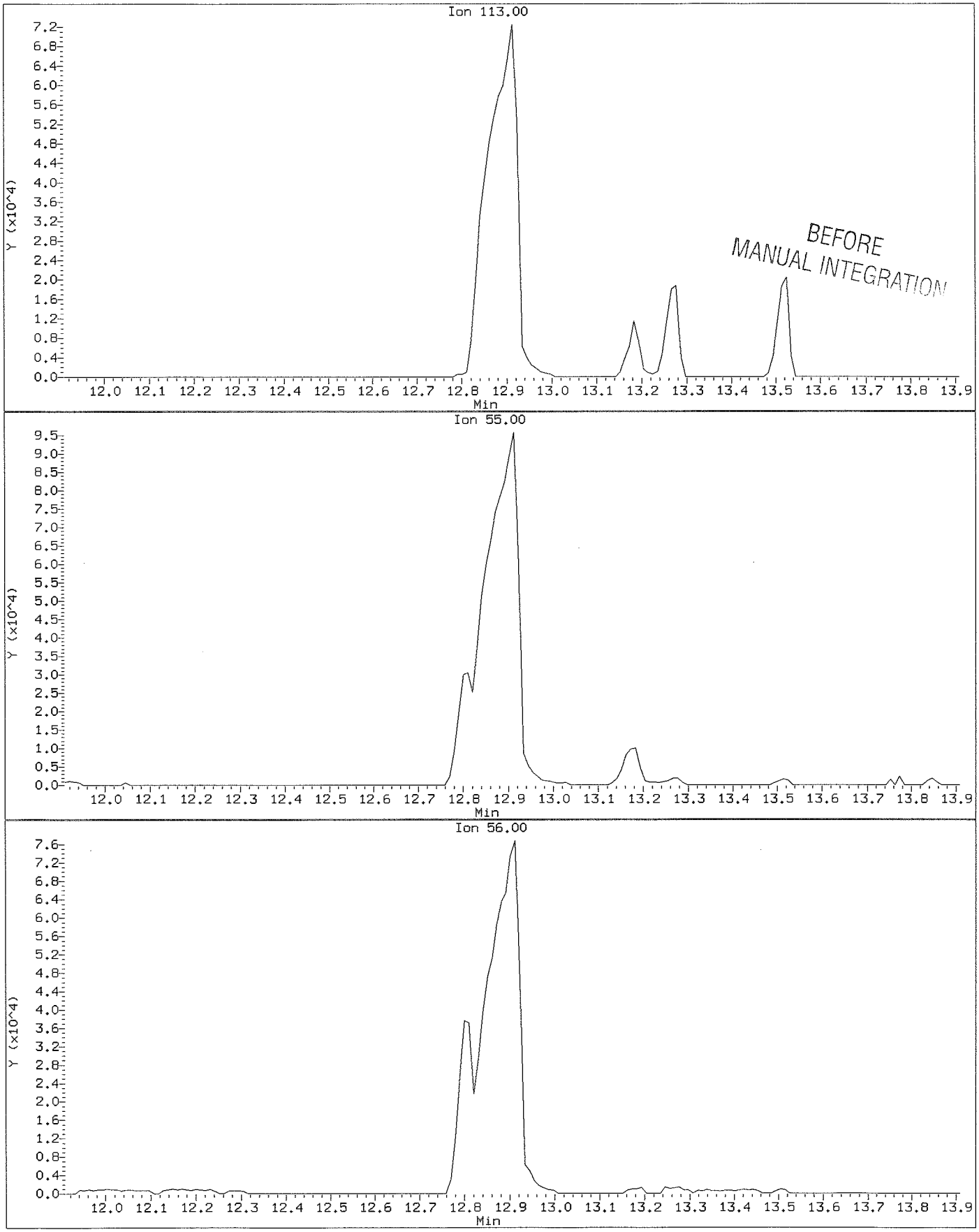
Instrument: gcms-u.i
Client Sample ID:

Compound: Caprolactam
CAS Number: 105-60-2



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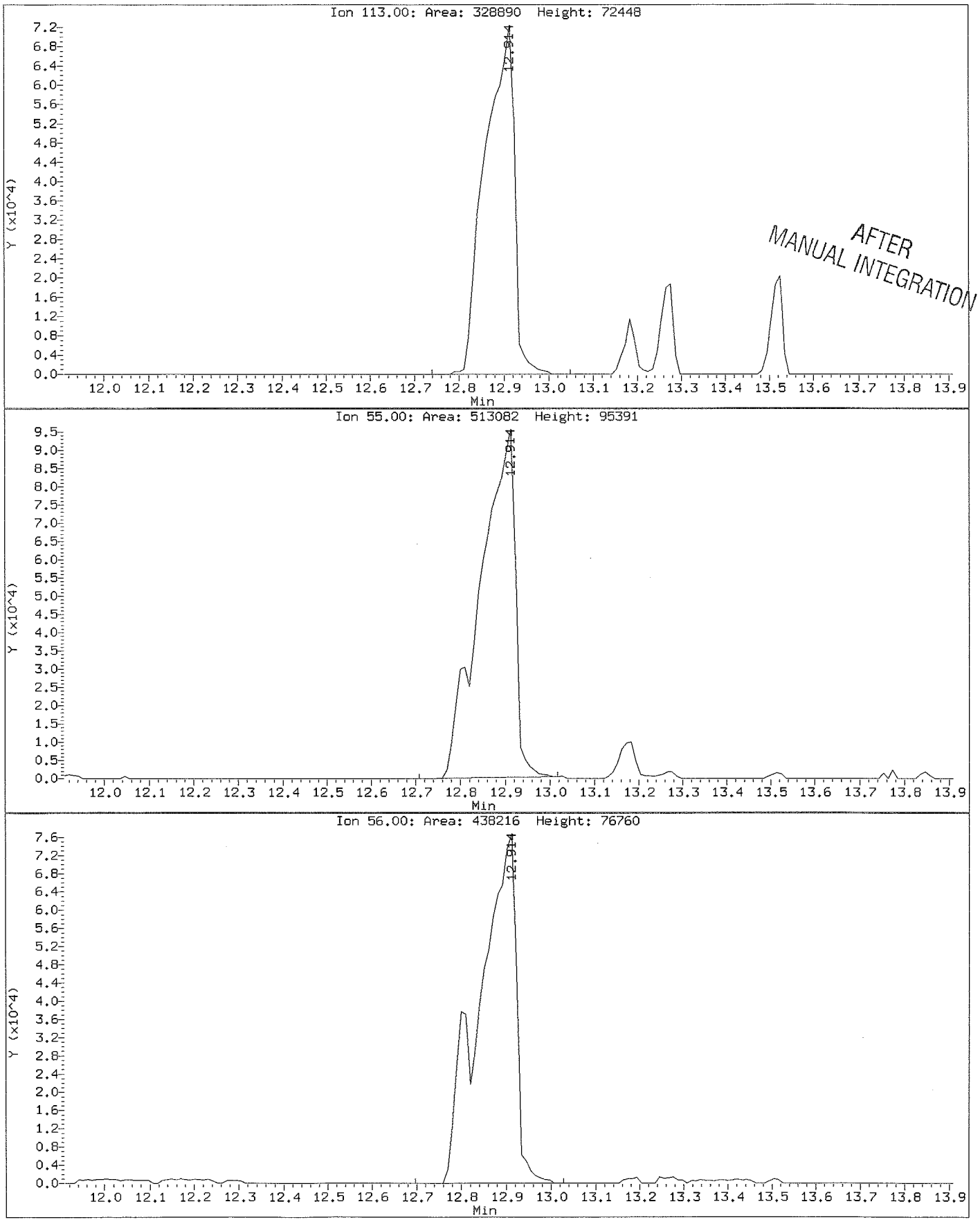
Instrument: gcms-u.i
Client Sample ID:

Compound: Caprolactam
CAS Number: 105-60-2



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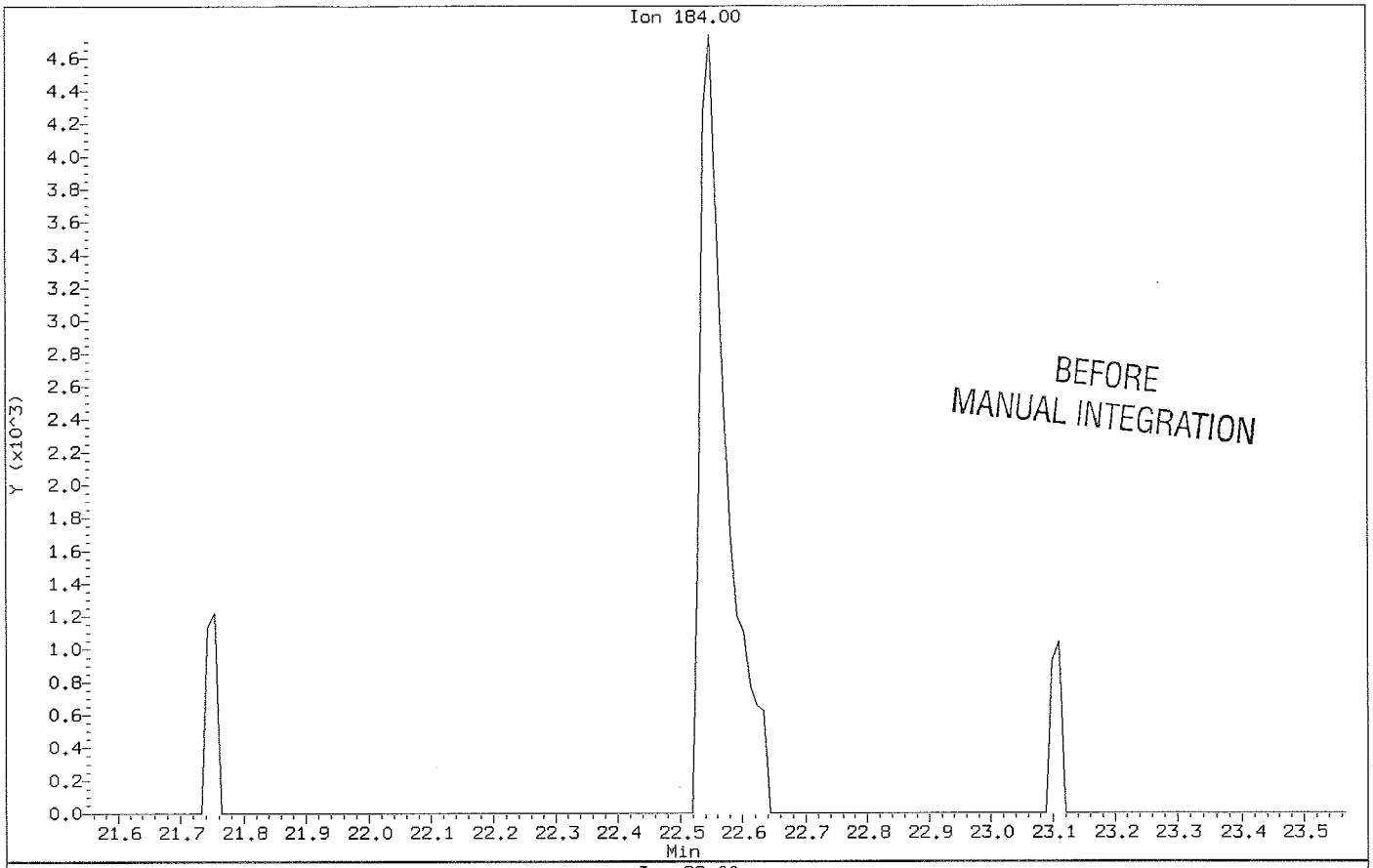
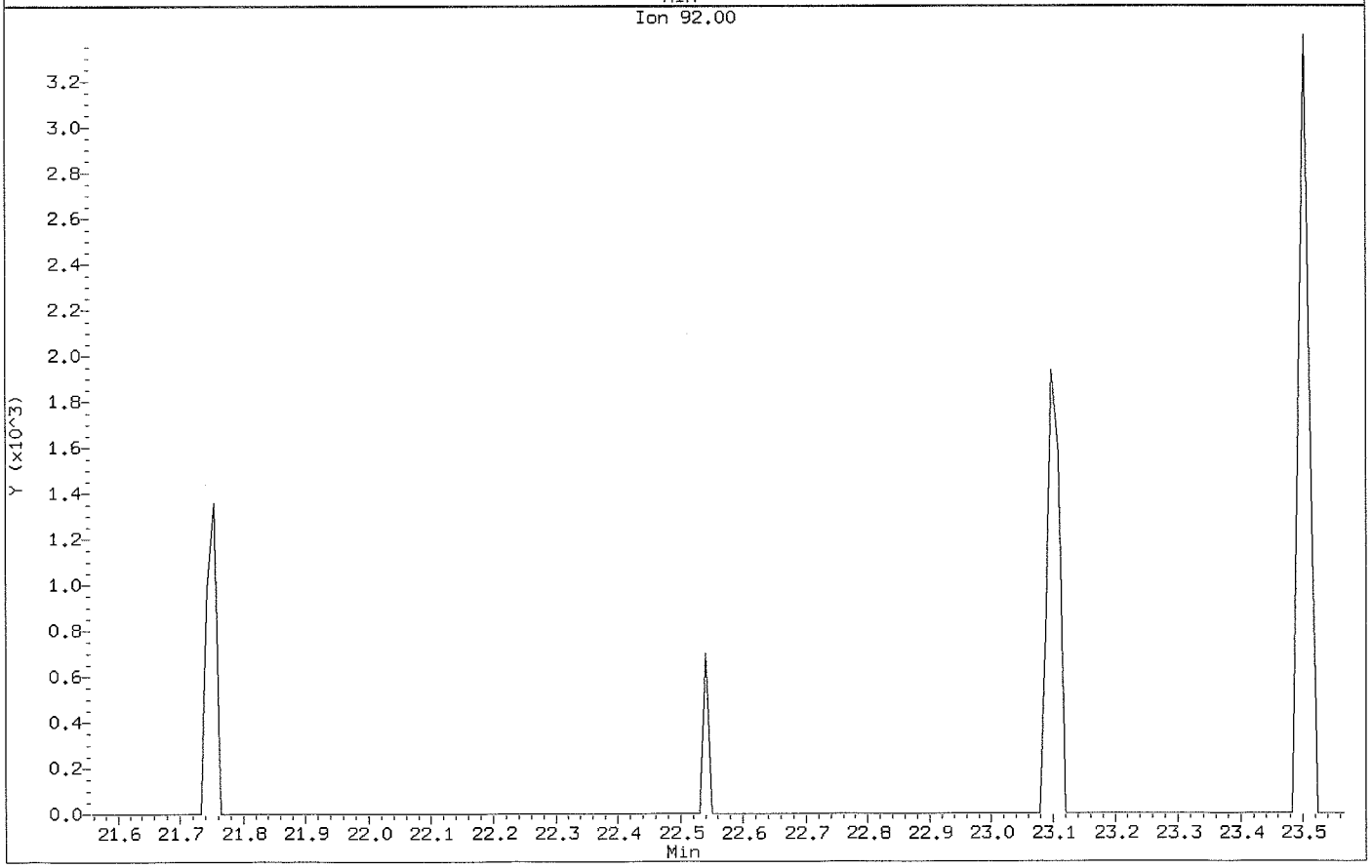
Injection Date: 26-MAY-2011 12:53
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5





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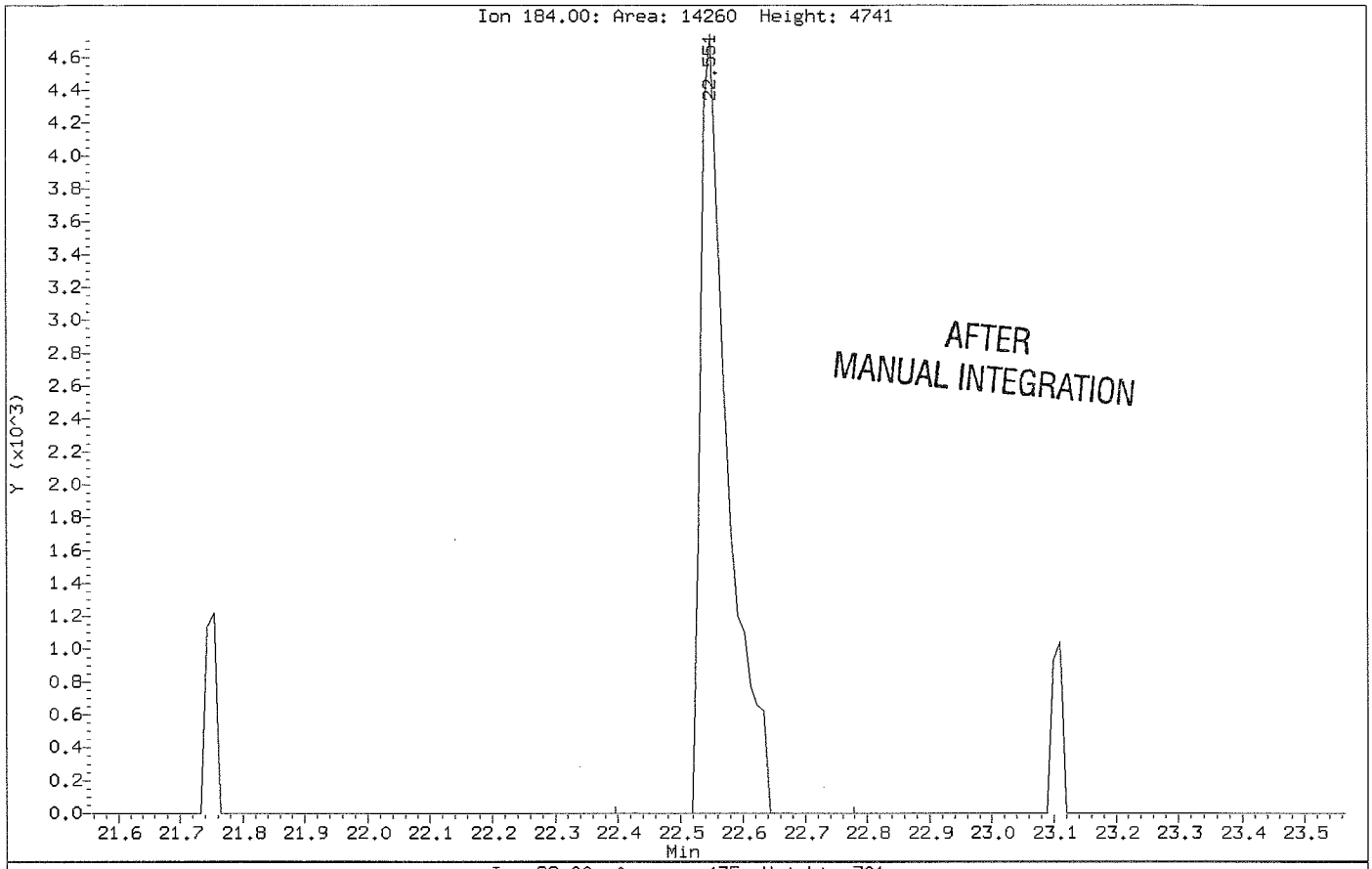
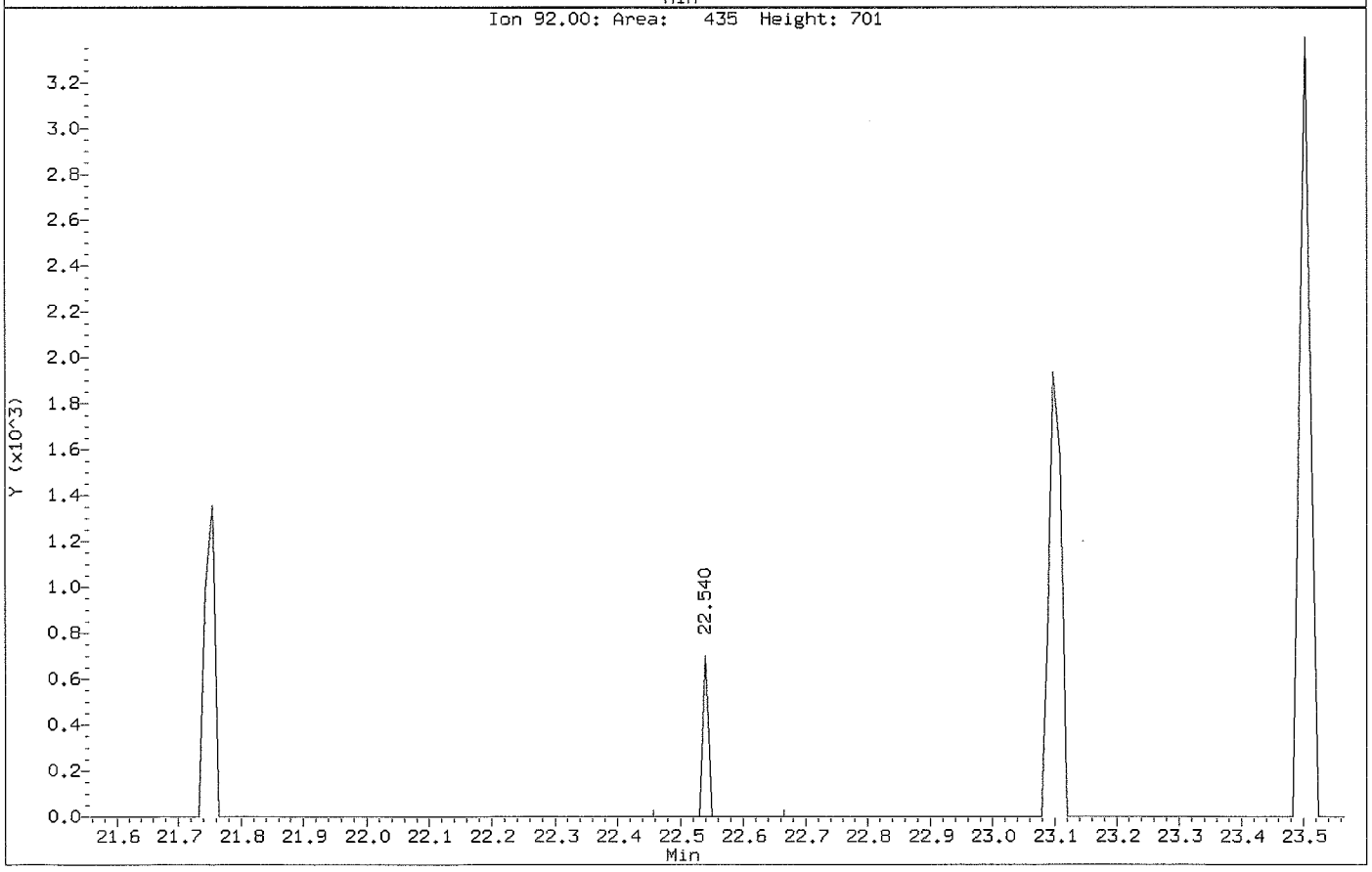
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5





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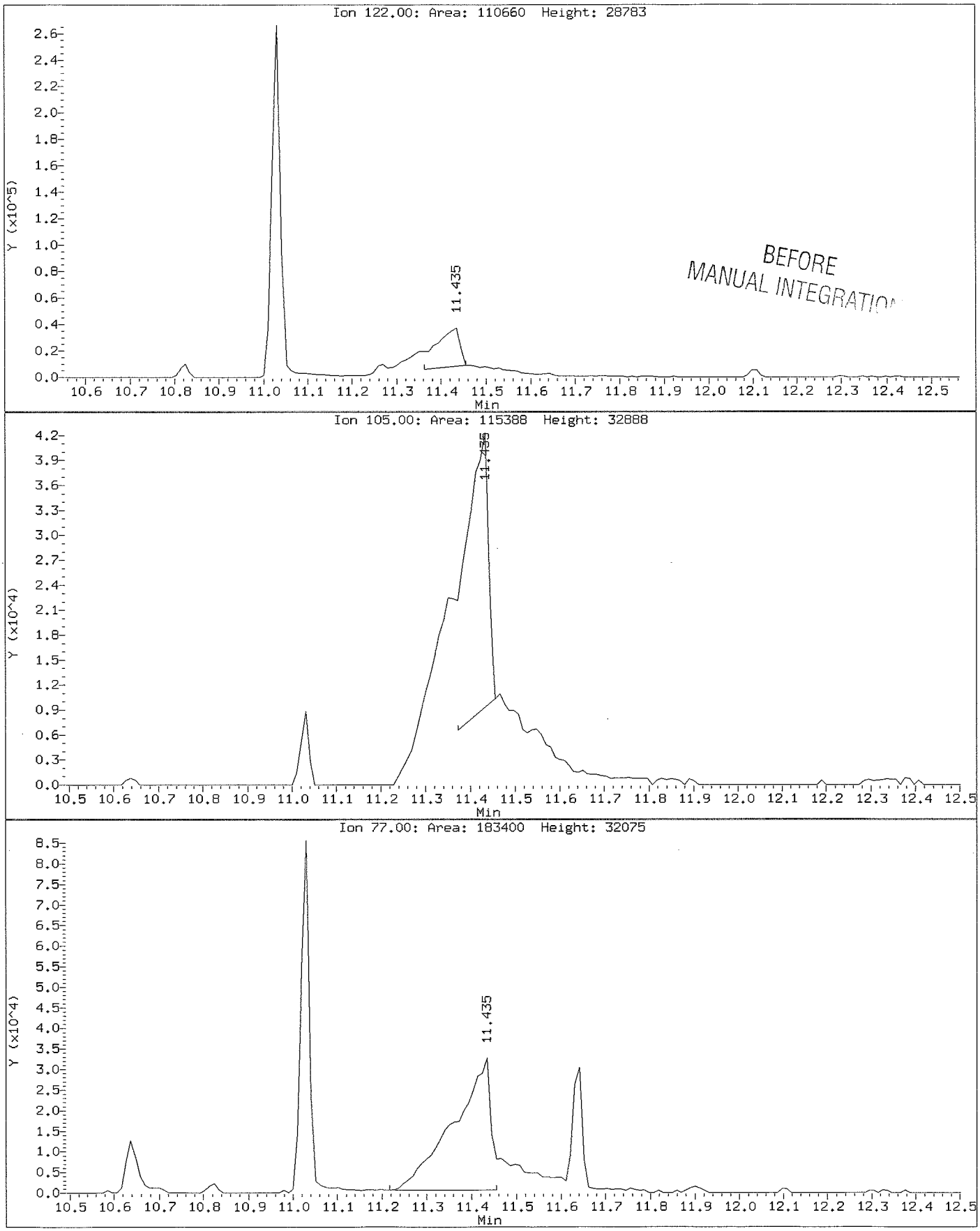
Injection Date: 26-MAY-2011 16:34
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



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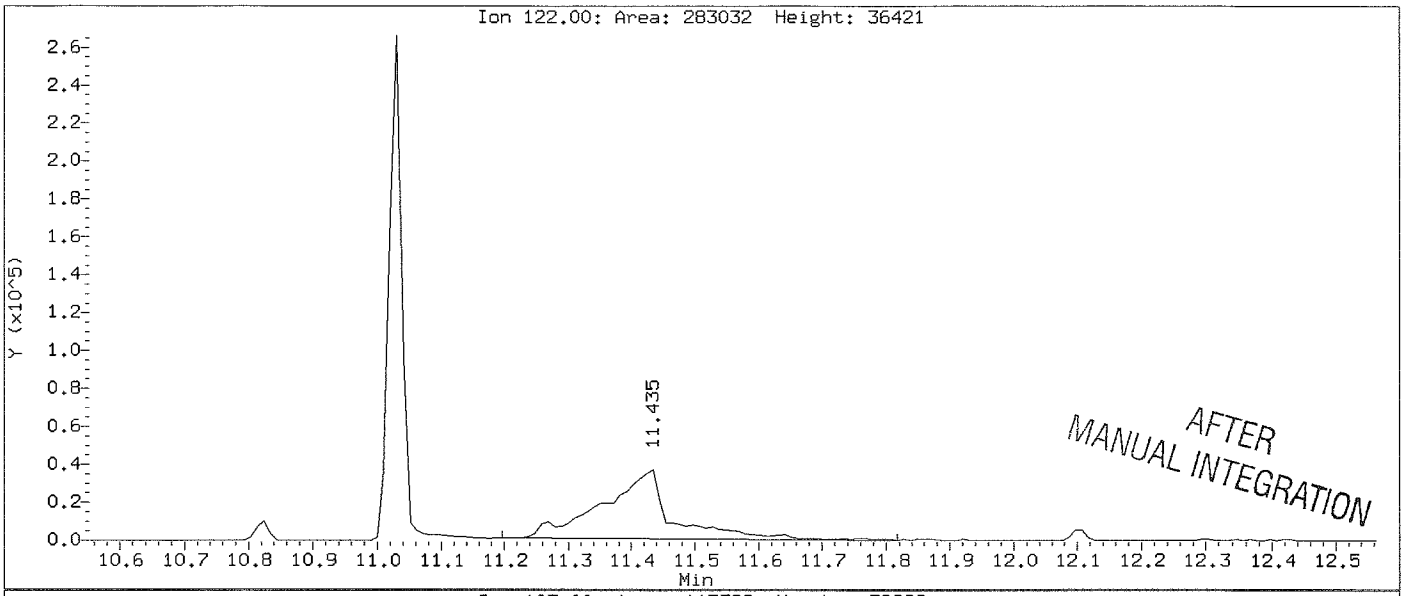
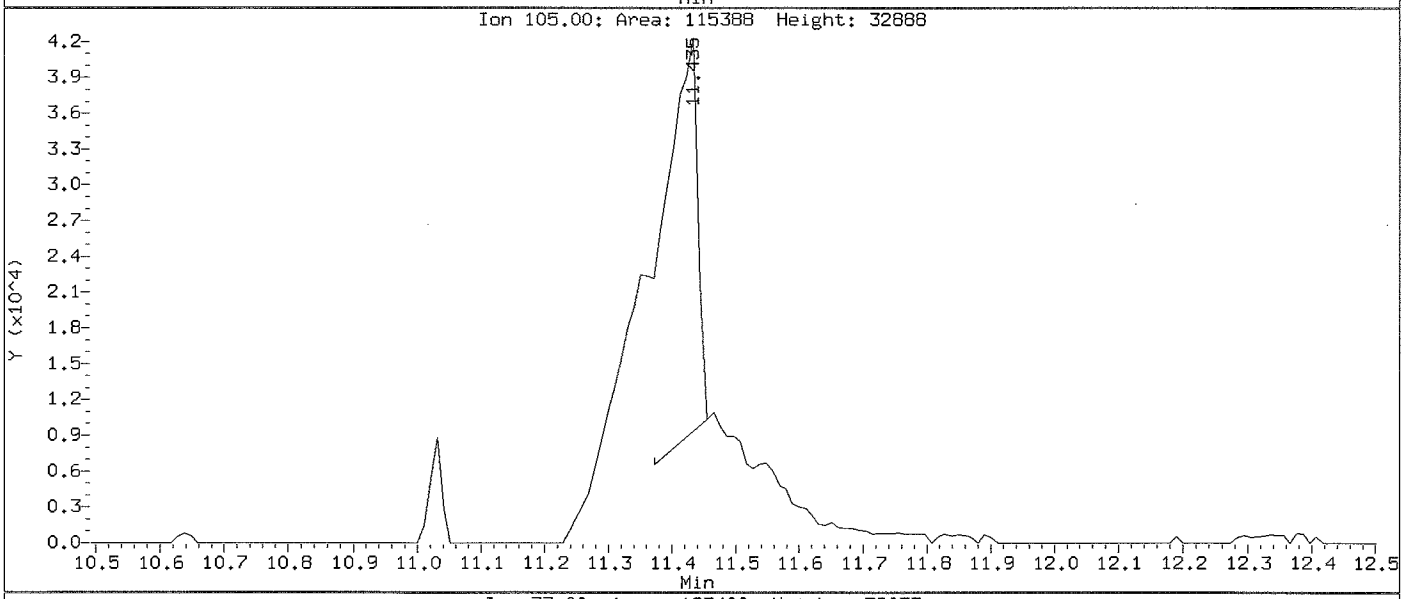
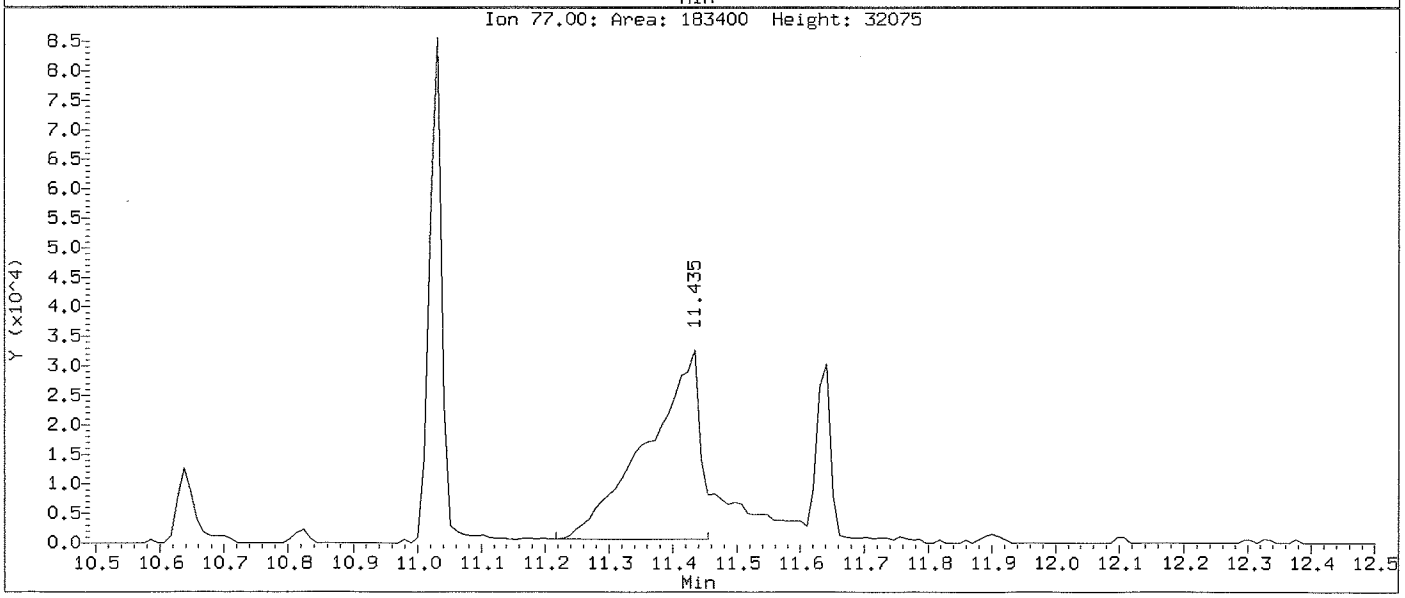
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0







Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 8270C IND CHECK
Level: LOW
Data Type: MS DATA
SpikeList File: INDcheck8270.spk
Sublist File: all.sub
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: SW846 8270C

Client SDG: 021497
Fraction: SV

Operator: JCG
SampleType: IND_CHECK
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 1,4-Dioxane	50.0	53.5	107.06	80-120
3 Pyridine	50.0	46.1	92.30	80-120
2 N-Nitrosodimethyla	50.0	52.0	103.95	80-120
5 2-Picoline	50.0	48.6	97.16	80-120
6 N-Nitrosomethyleth	50.0	47.5	95.10	80-120
7 Methyl Methanesulf	50.0	51.3	102.55	80-120
9 N-Nitrosodiethylam	50.0	51.0	101.99	80-120
10 Ethyl Methanesulfo	50.0	50.5	100.99	80-120
11 Benzaldehyde	50.0	17.5	35.08*	80-120
12 Aniline	50.0	54.0	108.02	80-120
16 Phenol	50.0	52.6	105.25	80-120
14 Bis(2-Chloroethyl)	50.0	51.7	103.43	80-120
17 2-Chlorophenol	50.0	51.5	102.93	80-120
18 1,3-Dichlorobenzen	50.0	50.5	100.99	80-120
20 1,4-Dichlorobenzen	50.0	53.5	106.93	80-120
22 Benzyl alcohol	50.0	50.0	100.00	80-120
21 1,2-Dichlorobenzen	50.0	51.6	103.10	80-120
23 2,2'-Oxybis(1-chlo	50.0	51.1	102.23	80-120
25 2-Methylphenol	50.0	51.1	102.16	80-120
26 Acetophenone	100	91.0	91.00	80-120
27 N-Nitrosopyrrolidi	50.0	61.1	122.14*	80-120
31 N-Nitrosomorpholin	50.0	54.2	108.45	80-120
29 N-Nitroso-di-n-pro	50.0	45.1	90.28	80-120
32 3&4-Methylphenol	50.0	49.1	98.22	80-120
30 Hexachloroethane	50.0	51.0	101.96	80-120
28 o-Toluidine	50.0	50.4	100.88	80-120
34 Nitrobenzene	50.0	52.4	104.75	80-120
35 N-Nitrosopiperidin	50.0	52.0	103.92	80-120
36 Isophorone	50.0	40.3	80.68	80-120
37 2-Nitrophenol	50.0	51.6	103.16	80-120
38 2,4-Dimethylphenol	50.0	50.1	100.28	80-120
40 Bis(2-Chloroethoxy	50.0	49.1	98.16	80-120
39 O,O,O-Triethylphos	50.0	51.7	103.41	80-120
50 A,A-Dimethylphene	50.0	0.000	*	80-120
44 Benzoic acid	50.0	78.2	156.44*	80-120
41 2,4-Dichlorophenol	50.0	52.1	104.15	80-120
42 1,2,4-Trichloroben	50.0	47.5	94.94	80-120
45 Naphthalene	50.0	52.0	103.90	80-120
48 2,6-Dichlorophenol	50.0	52.6	105.25	80-120
47 4-Chloroaniline	50.0	53.5	106.93	80-120

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
46 Hexachloropropene	50.0	54.4	108.78	80-120
49 Hexachlorobutadien	50.0	50.5	101.05	80-120
51 N-Nitroso-Di-N-But	50.0	61.2	122.51*	80-120
53 Caprolactam	50.0	56.0	111.97	80-120
52 p-Phenylenediamine	50.0	0.000	*	80-120
54 Isosafrole	50.0	48.9	97.78	80-120
56 4-Chloro-3-Methylp	50.0	56.6	113.13	80-120
55 2-Methylnaphthalen	50.0	54.0	107.95	80-120
57 1-Methylnaphthalen	50.0	51.9	103.87	80-120
59 1,2,4,5-Tetrachlor	50.0	48.8	97.52	80-120
58 Hexachlorocyclopen	50.0	42.7	85.38	80-120
61 2,4,6-Trichlorophe	50.0	51.6	103.19	80-120
63 2,4,5-Trichlorophe	50.0	51.9	103.84	80-120
65 Diethyl Adipate	50.0	48.9	97.82	80-120
60 Safrole	50.0	44.2	88.35	80-120
66 1,1'-Biphenyl	50.0	50.3	100.58	80-120
64 2-Chloronaphthalen	50.0	48.2	96.45	80-120
67 1-Chloronaphthalen	50.0	44.5	88.97	80-120
69 2-Nitroaniline	50.0	54.6	109.13	80-120
70 1,4-Naphthoquinone	50.0	62.8	125.53*	80-120
72 Dimethyl Phthalate	50.0	52.6	105.17	80-120
73 1,3-Dinitrobenzene	50.0	50.5	100.94	80-120
74 Acenaphthylene	50.0	46.9	93.72	80-120
75 2,6-Dinitrotoluene	50.0	54.3	108.65	80-120
79 3-Nitroaniline	50.0	52.1	104.22	80-120
78 Acenaphthene	50.0	50.1	100.27	80-120
80 2,4-Dinitrophenol	50.0	59.6	119.32	80-120
82 Dibenzofuran	50.0	52.7	105.47	80-120
81 Pentachlorobenzene	50.0	53.2	106.46	80-120
88 4-Nitrophenol	50.0	64.6	129.13*	80-120
83 2,4-Dinitrotoluene	50.0	58.1	116.17	80-120
84 1-Naphthylamine	50.0	42.5	84.93	80-120
87 2-Naphthylamine	50.0	46.8	93.56	80-120
86 2,3,4,6-Tetrachlor	50.0	56.0	112.07	80-120
89 Diethylphthalate	50.0	55.3	110.54	80-120
90 Fluorene	50.0	52.2	104.32	80-120
91 4-Chlorophenyl-phe	50.0	53.6	107.23	80-120
92 0,0-diethyl-o-2-py	50.0	58.5	117.01	80-120
93 5-Nitro-O-Toluidin	50.0	58.0	115.90	80-120
94 4-Nitroaniline	50.0	56.8	113.53	80-120
96 N-Nitrosodiphenyla	100	80.9	80.93	80-120
95 4,6-Dinitro-2-Meth	50.0	55.9	111.87	80-120
98 1,2-Diphenylhydraz	50.0	49.6	99.16	80-120
101 Sulfotepp	50.0	49.5	99.00	80-120
102 Diallate	50.0	55.5	111.00	80-120
103 Phorate	50.0	25.0	50.07*	80-120
104 4-Bromophenyl-phen	50.0	51.8	103.59	80-120
107 Phenacetin	50.0	55.0	110.09	80-120
106 1,3,5-Trinitrobenz	50.0	56.4	112.77	80-120
105 Hexachlorobenzene	50.0	49.3	98.68	80-120
108 Dimethoate	50.0	54.7	109.33	80-120
110 Atrazine	50.0	0.000	*	80-120
112 4-Aminobiphenyl	50.0	35.0	70.11*	80-120
111 Pentachlorophenol	50.0	58.2	116.41	80-120

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5860.D
Report Date: 27-May-2011 08:25

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
113 Pronamide	50.0	51.0	101.99	80-120
109 Pentachloronitrobe	50.0	53.4	106.80	80-120
115 Phenanthrene	50.0	52.6	105.28	80-120
118 Disulfoton	50.0	48.8	97.52	80-120
117 Anthracene	50.0	52.8	105.55	80-120
116 Dinoseb	50.0	55.9	111.80	80-120
119 Carbazole	50.0	53.0	105.94	80-120
120 Methyl Parathion	50.0	57.1	114.29	80-120
121 Di-n-butylphthalat	50.0	54.3	108.66	80-120
123 Ethyl Parathion	50.0	54.6	109.32	80-120
122 4-Nitroquinoline-1	50.0	57.3	114.66	80-120
124 Methapyrilene	50.0	51.7	103.39	80-120
125 Isodrin	50.0	53.7	107.39	80-120
126 Fluoranthene	50.0	53.3	106.54	80-120
127 Benzidine	50.0	24.8	49.63*	80-120
128 Pyrene	50.0	54.4	108.88	80-120
130 Aramite	50.0	0.000	*	80-120
131 p-Dimethylaminoazo	50.0	53.2	106.48	80-120
132 Chlorobenzilate	50.0	55.4	110.79	80-120
133 Famphur	50.0	106	212.12*	80-120
134 3,3'-Dimethylbenzi	50.0	38.7	77.40*	80-120
135 Butylbenzylphthala	50.0	54.2	108.38	80-120
136 Bis(2-ethylhexyl)a	50.0	51.1	102.21	80-120
137 2-Acetylaminofluor	50.0	53.0	106.09	80-120
138 Benzo(a)anthracene	50.0	49.7	99.33	80-120
140 3,3'-Dichlorobenzi	50.0	50.8	101.54	80-120
141 Chrysene	50.0	51.4	102.78	80-120
143 bis(2-Ethylhexyl)p	50.0	55.1	110.19	80-120
144 Kepone	50.0	0.000	*	80-120
145 Di-n-octylphthalat	50.0	60.8	121.65*	80-120
147 Benzo(b)fluoranthe	50.0	52.9	105.87	80-120
146 7,12-Dimethylbenz(	50.0	56.1	112.20	80-120
148 Benzo(k)fluoranthe	50.0	52.7	105.35	80-120
142 Hexachlorophene	50.0	0.000	*	80-120
149 Benzo(a)pyrene	50.0	55.3	110.70	80-120
151 3-Methylcholanthre	50.0	53.6	107.20	80-120
152 Dibenz(a,j)acridin	50.0	50.3	100.56	80-120
153 Indeno(1,2,3-cd)py	50.0	46.6	93.23	80-120
154 Dibenzo(a,h)anthra	50.0	50.2	100.39	80-120
155 Benzo(g,h,i)peryle	50.0	47.9	95.80	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 8 2-Fluorophenol	100	0.000	*	10-80
$ 15 Phenol-D6	100	0.000	*	10-90
$ 33 Nitrobenzene-D5	50.0	0.000	*	41-91
$ 62 2-Fluorobiphenyl	50.0	0.000	*	43-90
$ 100 2,4,6-Tribromophe	100	0.000	*	37-112
$ 129 Terphenyl-D14	50.0	0.000	*	36-156

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.2300000	1.2349000	1.2349000	0.01	0.40	20.01	AVRG
Bis(2-Chloroethyl)ether	0.9630000	0.9858500	0.9858500	0.01	2.37	20.00	AVRG
2-Chlorophenol	1.0840000	1.0549000	1.0549000	0.01	-2.68	20.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.1954000	1.1954000	0.01	-3.28	20.00	AVRG
1,4-Dichlorobenzene	1.2280000	1.1651000	1.1651000	0.01	-5.12	20.01	AVRG
1,2-Dichlorobenzene	1.1300000	1.0462000	1.0462000	0.01	-7.42	20.00	AVRG
2-Methylphenol	0.9340000	0.9239700	0.9239700	0.01	-1.07	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.2430000	1.3954000	1.3954000	0.01	12.26	20.00	AVRG
N-Nitroso-di-n-propylamine	0.6340000	0.6152900	0.6152900	0.05	-2.95	20.00	AVRG
3&4-Methylphenol	0.9940000	0.9887700	0.9887700	0.01	-0.53	20.00	AVRG
Hexachloroethane	0.4630000	0.4150000	0.4150000	0.01	-10.37	20.00	AVRG
Nitrobenzene	0.2710000	0.2648700	0.2648700	0.01	-2.26	20.00	AVRG
Isophorone	0.4830000	0.4458700	0.4458700	0.01	-7.69	20.00	AVRG
2-Nitrophenol	0.1680000	0.1619500	0.1619500	0.01	-3.60	20.01	AVRG
2,4-Dimethylphenol	0.2640000	0.2418700	0.2418700	0.01	-8.38	20.00	AVRG
Bis(2-Chloroethoxy)methane	0.3210000	0.3281400	0.3281400	0.01	2.22	20.00	AVRG
2,4-Dichlorophenol	0.2380000	0.2239300	0.2239300	0.01	-5.91	20.01	AVRG
1,2,4-Trichlorobenzene	0.2850000	0.2718600	0.2718600	0.01	-4.61	20.00	AVRG
Naphthalene	0.7480000	0.7226800	0.7226800	0.01	-3.38	20.00	AVRG
4-Chloroaniline	46.083000	50.000000	0.2872600	0.01	-7.83	20.00	2RDR
Hexachlorobutadiene	0.1660000	0.1425600	0.1425600	0.01	-14.12	20.01	AVRG
4-Chloro-3-Methylphenol	0.2180000	0.1961400	0.1961400	0.01	-10.03	20.01	AVRG
2-Methylnaphthalene	0.5440000	0.5109400	0.5109400	0.01	-6.08	20.00	AVRG
Hexachlorocyclopentadiene	0.3370000	0.2997300	0.2997300	0.05	-11.06	20.00	AVRG
2,4,6-Trichlorophenol	0.3210000	0.3099400	0.3099400	0.01	-3.44	20.01	AVRG
2,4,5-Trichlorophenol	0.3530000	0.3421500	0.3421500	0.01	-3.07	20.00	AVRG
2-Chloronaphthalene	1.3140000	1.2482000	1.2482000	0.01	-5.01	20.00	AVRG
2-Nitroaniline	0.2550000	0.2548600	0.2548600	0.01	-0.05	20.00	AVRG
Dimethyl Phthalate	0.9360000	0.8324400	0.8324400	0.01	-11.06	20.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
2,6-Dinitrotoluene	0.2420000	0.2365300	0.2365300	0.01	-2.26	20.00	AVRG	
Acenaphthylene	1.3820000	1.2613000	1.2613000	0.01	-8.73	20.00	AVRG	
3-Nitroaniline	0.2370000	0.2292600	0.2292600	0.01	-3.26	20.00	AVRG	
Acenaphthene	0.8780000	0.8228700	0.8228700	0.01	-6.28	20.01	AVRG	
2,4-Dinitrophenol	43.749000	50.000000	0.1294000	0.05	-12.50	20.00	LINR	
Dibenzofuran	1.2360000	1.1672000	1.1672000	0.01	-5.57	20.00	AVRG	
4-Nitrophenol	0.1560000	0.1805300	0.1805300	0.05	15.72	20.00	AVRG	
2,4-Dinitrotoluene	0.2870000	0.2736000	0.2736000	0.01	-4.67	20.00	AVRG	
Diethylphthalate	1.0360000	0.9898000	0.9898000	0.01	-4.46	20.00	AVRG	
Fluorene	1.0170000	0.9646600	0.9646600	0.01	-5.15	20.00	AVRG	
4-Chlorophenyl-phenylether	0.4870000	0.4495200	0.4495200	0.01	-7.70	20.00	AVRG	
4-Nitroaniline	0.2030000	0.2119000	0.2119000	0.01	4.38	20.00	AVRG	
4,6-Dinitro-2-Methylphenol	45.924000	50.000000	0.1140200	0.01	-8.15	20.00	LINR	
N-Nitrosodiphenylamine	0.5150000	0.5080900	0.5080900	0.01	-1.34	20.01	AVRG	
4-Bromophenyl-phenylether	0.1880000	0.1661900	0.1661900	0.01	-11.60	20.00	AVRG	
Hexachlorobenzene	0.2280000	0.1962400	0.1962400	0.01	-13.93	20.00	AVRG	
Pentachlorophenol	0.1260000	0.1184900	0.1184900	0.01	-5.96	20.01	AVRG	
Phenanthrene	0.9090000	0.8725200	0.8725200	0.01	-4.01	20.00	AVRG	
Anthracene	0.9240000	0.9054400	0.9054400	0.01	-2.01	20.00	AVRG	
Carbazole	0.6910000	0.7196000	0.7196000	0.01	4.14	20.00	AVRG	
Di-n-butylphthalate	1.0530000	1.0476000	1.0476000	0.01	-0.51	20.00	AVRG	
Fluoranthene	0.8090000	0.7948300	0.7948300	0.01	-1.75	20.01	AVRG	
Pyrene	1.2320000	1.1491000	1.1491000	0.01	-6.73	20.00	AVRG	
Butylbenzylphthalate	0.5540000	0.5273800	0.5273800	0.01	-4.80	20.00	AVRG	
Benzo(a)anthracene	0.8790000	0.8422900	0.8422900	0.01	-4.18	20.00	AVRG	
3,3'-Dichlorobenzidine	0.2040000	0.2172900	0.2172900	0.01	6.51	20.00	AVRG	
Chrysene	0.8030000	0.7823700	0.7823700	0.01	-2.57	20.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.7680000	0.7195700	0.7195700	0.01	-6.31	20.00	AVRG	
Di-n-octylphthalate	1.9920000	1.5855000	1.5855000	0.01	-20.41	20.01	AVRG	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835 Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	___ RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Benzo(b)fluoranthene	0.9520000	0.8616500	0.8616500	0.01	-9.49	20.00	AVRG	
Benzo(k)fluoranthene	1.1540000	1.0238000	1.0238000	0.01	-11.28	20.00	AVRG	
Benzo(a)pyrene	0.8220000	0.7965900	0.7965900	0.01	-3.09	20.01	AVRG	
Indeno(1,2,3-cd)pyrene	0.3900000	0.4758500	0.4758500	0.01	22.01	20.00	AVRG	<-
Dibenzo(a,h)anthracene	0.4320000	0.5008700	0.5008700	0.01	15.94	20.00	AVRG	
Benzo(g,h,i)perylene	0.4630000	0.5264500	0.5264500	0.01	13.70	20.00	AVRG	
2-Fluorophenol	1.0640000	1.0731000	1.0731000	0.01	0.86	20.00	AVRG	
Phenol-D6	1.2300000	1.2074000	1.2074000	0.01	-1.84	20.00	AVRG	
Nitrobenzene-D5	0.2800000	0.2692500	0.2692500	0.01	-3.84	20.00	AVRG	
2-Fluorobiphenyl	1.0070000	0.9600200	0.9600200	0.01	-4.66	20.00	AVRG	
2,4,6-Tribromophenol	0.1860000	0.1462200	0.1462200	0.01	-21.39	20.00	AVRG	<-
Terphenyl-D14	0.7980000	0.6883100	0.6883100	0.01	-13.75	20.00	AVRG	

FORM VII PEST

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Report Date: 25-May-2011 14:26

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Lab Smp Id: SSTD050U0525
Inj Date : 25-MAY-2011 11:13 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD050U0525
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 25-May-2011 11:50 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 2 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 * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	DN-CDL (ug/ml)	REVIEW CODE
	1 1,4-Dioxane	58	3.320	3.320	(0.379)	149965	50.0000	47.6	
	2 N-Nitrosodimethylamine	42	3.899	3.899	(0.445)	227490	50.0000	47.2	
	3 Pyridine	79	3.858	3.858	(0.440)	550665	50.0000	52.4	
	4 Ethyl Methacrylate	69	4.603	4.603	(0.525)	388332	50.0000	51.9	
	5 2-Picoline	93	5.120	5.120	(0.584)	568377	50.0000	52.6	
	6 N-Nitrosomethylethylamine	88	5.441	5.441	(0.621)	221335	50.0000	51.1	
	7 Methyl Methanesulfonate	80	6.073	6.073	(0.693)	275161	50.0000	47.0	
$	8 2-Fluorophenol	112	6.321	6.321	(0.721)	471214	50.0000	50.4	
	9 N-Nitrosodiethylamine	102	6.756	6.756	(0.771)	215079	50.0000	49.2	
	10 Ethyl Methanesulfonate	79	7.439	7.439	(0.849)	345933	50.0000	50.1	
	11 Benzaldehyde	77	7.884	7.884	(0.900)	82047	50.0000	38.3	
	12 Aniline	93	8.205	8.205	(0.936)	691251	50.0000	50.2	
	13 Pentachloroethane	117	8.143	8.143	(0.929)	176913	50.0000	48.3	
	14 Bis(2-Chloroethyl)ether	93	8.370	8.370	(0.955)	432903	50.0000	51.2	
$	15 Phenol-D6	99	8.257	8.257	(0.942)	530175	50.0000	49.0	
	16 Phenol	94	8.277	8.277	(0.944)	542277	50.0000	50.2	
	17 2-Chlorophenol	128	8.401	8.401	(0.959)	463241	50.0000	48.7	
	18 1,3-Dichlorobenzene	146	8.671	8.671	(0.989)	524939	50.0000	48.4	
*	19 1,4-Dichlorobenzene-D4	152	8.764	8.764	(1.000)	351292	40.0000		
	20 1,4-Dichlorobenzene	146	8.795	8.795	(1.004)	511625	50.0000	47.4	

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Report Date: 25-May-2011 14:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	21 1,2-Dichlorobenzene	146	9.188	9.188	(1.048)	459428	50.0000	46.3	
	22 Benzyl alcohol	108	9.198	9.198	(1.050)	252086	50.0000	48.5	
	23 2,2'-Oxybis(1-chloropropane)	45	9.519	9.519	(1.086)	612752	50.0000	56.1	
	24 Bis(2-Chloroisopropyl)ether	45	9.519	9.519	(1.086)	612752	50.0000	56.0	
	25 2-Methylphenol	108	9.530	9.530	(1.087)	405731	50.0000	49.4(M)	M9
	26 Acetophenone	105	9.747	9.747	(0.840)	562354	50.0000	48.0	
	27 N-Nitrosopyrrolidine	100	9.809	9.809	(1.119)	231791	50.0000	53.2	
	28 o-Toluidine	106	9.850	9.850	(1.124)	530675	50.0000	44.9	
	29 N-Nitroso-di-n-propylamine	70	9.861	9.861	(1.125)	270182	50.0000	48.5	
	30 Hexachloroethane	117	9.840	9.840	(1.123)	182231	50.0000	44.8	
	31 N-Nitrosomorpholine	56	9.840	9.840	(1.123)	222203	50.0000	45.5	
	32 3&4-Methylphenol	108	9.882	9.882	(1.128)	434182	50.0000	49.7	
$	33 Nitrobenzene-D5	82	10.068	10.068	(0.868)	432458	50.0000	48.1	
	34 Nitrobenzene	77	10.109	10.109	(0.872)	425426	50.0000	48.9	
	35 N-Nitrosopiperidine	114	10.471	10.471	(0.903)	235119	50.0000	49.2	
	36 Isophorone	82	10.647	10.647	(0.918)	716148	50.0000	46.2	
	37 2-Nitrophenol	139	10.823	10.823	(0.933)	260124	50.0000	48.0	
	38 2,4-Dimethylphenol	107	11.030	11.030	(0.951)	388491	50.0000	45.8	
	39 O,O,O-Triethylphosphorothioat	198	11.279	11.279	(0.972)	191321	50.0000	44.8	
	40 Bis(2-Chloroethoxy)methane	93	11.237	11.237	(0.969)	527055	50.0000	51.1(H)	
	41 2,4-Dichlorophenol	162	11.382	11.382	(0.981)	359669	50.0000	47.0	
	42 1,2,4-Trichlorobenzene	180	11.527	11.527	(0.994)	436648	50.0000	47.7	
*	43 Naphthalene-D8	136	11.600	11.600	(1.000)	1284936	40.0000		
	44 Benzoic acid	122	11.413	11.413	(0.984)	188566	50.0000	49.1(M)	M9
	45 Naphthalene	128	11.641	11.641	(1.004)	1160743	50.0000	48.3	
	46 Hexachloropropene	213	11.931	11.931	(1.029)	250045	50.0000	45.5	
	47 4-Chloroaniline	127	11.910	11.910	(1.027)	461383	50.0000	46.1	
	48 2,6-Dichlorophenol	162	11.900	11.900	(1.026)	339054	50.0000	48.0	
	49 Hexachlorobutadiene	225	12.107	12.107	(1.044)	228985	50.0000	43.0	
	50 A,A-Dimethylphenethylamine	58	11.869	11.869	(1.023)	1064380	50.0000	60.8(M)	M6
	51 N-Nitroso-Di-N-Butylamine	84	12.790	12.790	(1.103)	335398	50.0000	55.0	
	52 p-Phenylenediamine	108	12.800	12.800	(1.104)	302674	50.0000	48.7	
	53 Caprolactam	113	12.800	12.800	(1.104)	134600	50.0000	47.1	
	54 Isosafrole	162	13.163	13.163	(1.135)	300158	50.0000	45.8	
	55 2-Methylnaphthalene	142	13.266	13.266	(1.144)	820650	50.0000	46.9	
	56 4-Chloro-3-Methylphenol	107	13.152	13.152	(1.134)	315043	50.0000	44.9	
	57 1-Methylnaphthalene	142	13.514	13.514	(1.165)	811530	50.0000	47.8	
	58 Hexachlorocyclopentadiene	237	13.815	13.815	(0.877)	248693	50.0000	44.5	
	59 1,2,4,5-Tetrachlorobenzene	216	13.763	13.763	(0.874)	372976	50.0000	46.8	
	60 Safrole	104	13.846	13.846	(0.879)	27771	50.0000	44.3	
	61 2,4,6-Trichlorophenol	196	14.063	14.063	(0.893)	257167	50.0000	48.3	
$	62 2-Fluorobiphenyl	172	14.239	14.239	(0.904)	796563	50.0000	47.7	
	63 2,4,5-Trichlorophenol	196	14.166	14.166	(0.899)	283893	50.0000	48.4	
	64 2-Chloronaphthalene	162	14.394	14.394	(0.914)	1035658	50.0000	47.5	
	65 Diethyl Adipate	111	14.384	14.384	(0.913)	219372	50.0000	43.8	
	66 1,1'-Biphenyl	154	14.425	14.425	(0.916)	913150	50.0000	48.7	
	67 1-Chloronapbthalene	162	14.467	14.467	(0.919)	697951	50.0000	49.0	
	68 Diphenylether	170	14.705	14.705	(0.934)	502516	50.0000	48.4	
	69 2-Nitroaniline	65	14.829	14.829	(0.942)	211467	50.0000	50.0	
	70 1,4-Naphthoquinone	158	14.881	14.881	(0.945)	212316	50.0000	46.3	
	71 1,4-Dinitrobenzene	75	15.108	15.108	(0.959)	143147	50.0000	49.1	
	72 Dimethyl Phthalate	163	15.377	15.377	(0.976)	690698	50.0000	44.5	
	73 1,3-Dinitrobenzene	168	15.388	15.388	(0.977)	114995	50.0000	45.7	
	74 Acenaphthylene	152	15.377	15.377	(0.976)	1046524	50.0000	45.6	

Jkwasik

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Report Date: 25-May-2011 14:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
75 2,6-Dinitrotoluene	165	15.522	15.522	(0.986)	196255	50.0000	48.9	
76 1,2-Dinitrobenzene	50	15.667	15.667	(0.995)	117401	50.0000	50.7	
* 77 Acenaphthene-D10	164	15.750	15.750	(1.000)	663785	40.0000		
78 Acenaphthene	153	15.833	15.833	(1.005)	682759	50.0000	46.8	
79 3-Nitroaniline	138	15.822	15.822	(1.005)	190222	50.0000	48.2	
80 2,4-Dinitrophenol	184	16.071	16.071	(1.020)	107366	50.0000	43.7	
81 Pentachlorobenzene	250	16.268	16.268	(1.033)	326699	50.0000	44.2	
82 Dibenzofuran	168	16.205	16.205	(1.029)	968425	50.0000	47.2	
83 2,4-Dinitrotoluene	165	16.433	16.433	(1.043)	227015	50.0000	47.7	
84 1-Naphthylamine	143	16.443	16.443	(1.044)	764320	50.0000	50.0	
85 2,3,5,6-Tetrachlorophenol	232	16.557	16.557	(1.051)	219628	50.0000	47.0	
86 2,3,4,6-Tetrachlorophenol	232	16.661	16.661	(1.058)	211923	50.0000	49.3	
87 2-Naphthylamine	143	16.630	16.630	(1.056)	741426	50.0000	49.6	
88 4-Nitrophenol	139	16.361	16.361	(1.039)	149792	50.0000	57.8	
89 Diethylphthalate	149	17.065	17.065	(1.083)	821264	50.0000	47.8	
90 Fluorene	166	17.023	17.023	(1.081)	800406	50.0000	47.4	
91 4-Chlorophenyl-phenylether	204	17.096	17.096	(1.085)	372980	50.0000	46.1	
92 0,0-diethyl-o-2-pyrazinylphos	107	17.261	17.261	(1.096)	150606	50.0000	49.3	
93 5-Nitro-O-Toluidine	152	17.240	17.240	(1.095)	228513	50.0000	51.0	
94 4-Nitroaniline	138	17.303	17.303	(1.099)	175823	50.0000	52.3	
95 4,6-Dinitro-2-Methylphenol	198	17.375	17.375	(0.904)	141514	50.0000	45.9	
96 N-Nitrosodiphenylamine	169	17.427	17.427	(0.907)	630600	50.0000	49.3	
97 N-Nitrosodiphenylamine/DPA	169	17.427	17.427	(0.907)	630600	50.0000	49.3	
98 1,2-Diphenylhydrazine	77	17.458	17.458	(0.908)	887195	50.0000	50.7	
99 Azobenzene	77	17.458	17.458	(0.908)	887195	50.0000	50.7	
$ 100 2,4,6-Tribromophenol	330	17.665	17.665	(1.122)	121326	50.0000	39.3	
101 Sulfotepp	97	18.120	18.120	(0.943)	134566	50.0000	48.0	
102 Diallate	86	18.213	18.213	(0.948)	249130	50.0000	51.4	
103 Phorate	75	18.234	18.234	(0.949)	465031	50.0000	51.1(H)	
104 4-Bromophenyl-phenylether	248	18.234	18.234	(0.949)	206258	50.0000	44.1	
105 Hexachlorobenzene	284	18.514	18.514	(0.963)	243563	50.0000	42.9	
106 1,3,5-Trinitrobenzene	213	18.286	18.286	(0.952)	60612	50.0000	46.2	
107 Phenacetin	108	18.379	18.379	(0.956)	333830	50.0000	49.6	
108 Dimethoate	87	18.679	18.679	(0.972)	269096	50.0000	67.0	
109 Pentachloronitrobenzene	237	19.176	19.176	(0.998)	97965	50.0000	42.3	
110 Atrazine	200	18.865	18.865	(0.982)	175464	50.0000	51.2	
111 Pentachlorophenol	266	19.000	19.000	(0.989)	147066	50.0000	46.8	
112 4-Aminobiphenyl	169	18.896	18.896	(0.983)	682871	50.0000	50.5	
113 Pronamide	173	19.217	19.217	(1.000)	296739	50.0000	46.5	
* 114 Phenanthrene-D10	188	19.217	19.217	(1.000)	992895	40.0000		
115 Phenanthrene	178	19.269	19.269	(1.003)	1082895	50.0000	48.0	
116 Dinoseb	211	19.517	19.517	(1.016)	195001	50.0000	48.3	
117 Anthracene	178	19.373	19.373	(1.008)	1123759	50.0000	49.0	
118 Disulfoton	88	19.466	19.466	(1.013)	409935	50.0000	54.8	
119 Carbazole	167	19.838	19.838	(1.032)	893114	50.0000	52.1	
120 Methyl Parathion	109	20.356	20.356	(1.059)	231110	50.0000	59.4	
121 Di-n-butylphthalate	149	20.946	20.946	(1.090)	1300252	50.0000	49.8	
122 4-Nitroquinoline-1-Oxide	190	21.246	21.246	(1.106)	55002	50.0000	48.6	
123 Ethyl Parathion	291	21.329	21.329	(1.110)	73800	50.0000	41.4	
124 Methapyrilene	97	21.556	21.556	(1.122)	196845	50.0000	59.1	
125 Isodrin	193	21.763	21.763	(1.132)	142669	50.0000	49.2	
126 Fluoranthene	202	22.095	22.095	(1.150)	986482	50.0000	49.1	
127 Benzidine	184	22.550	22.550	(0.884)	223418	50.0000	54.6	
128 Pyrene	202	22.602	22.602	(0.886)	981099	50.0000	46.6	

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Report Date: 25-May-2011 14:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
$ 129 Terphenyl-D14	244	23.119	23.119	(0.906)	587672	50.0000	43.1	
130 Aramite	185	23.419	23.419	(0.918)	69301	50.0000	48.7	
131 p-Dimethylaminoazobenzene	225	23.523	23.523	(0.922)	186211	50.0000	46.0	
132 Chlorobenzilate	251	23.689	23.689	(0.928)	269528	50.0000	43.3	
133 Famphur	218	24.341	24.341	(0.954)	57690	50.0000	53.8	
134 3,3'-Dimethylbenzidine	212	24.330	24.330	(0.953)	207617	50.0000	48.6	
135 Butylbenzylphthalate	149	24.475	24.475	(0.959)	450266	50.0000	47.6	
136 Bis(2-ethylhexyl)adipate	129	24.724	24.724	(0.969)	413361	50.0000	48.4	
137 2-Acetylaminofluorene	181	24.951	24.951	(0.978)	244233	50.0000	59.0	
138 Benzo(a)anthracene	228	25.479	25.479	(0.998)	719136	50.0000	47.9	
* 139 Chrysene-D12	240	25.521	25.521	(1.000)	683028	40.0000		
140 3,3'-Dichlorobenzidine	252	25.583	25.583	(1.002)	185516	50.0000	53.1	
141 Chrysene	228	25.583	25.583	(1.002)	667979	50.0000	48.7	
143 bis(2-Ethylhexyl)phthalate	149	25.945	25.945	(1.017)	614361	50.0000	46.9	
145 Di-n-octylphthalate	149	27.321	27.321	(0.953)	900061	50.0000	39.8	
146 7,12-Dimethylbenz(A)Anthracen	256	27.963	27.963	(0.975)	256649	50.0000	42.0	
147 Benzo(b)fluoranthene	252	27.901	27.901	(0.973)	489144	50.0000	45.2	
148 Benzo(k)fluoranthene	252	27.953	27.953	(0.975)	581178	50.0000	44.4	
149 Benzo(a)pyrene	252	28.553	28.553	(0.996)	452207	50.0000	48.5	
* 150 Perylene-D12	264	28.677	28.677	(1.000)	454145	40.0000		
151 3-Methylcholanthrene	268	29.329	29.329	(1.023)	210352	50.0000	48.8	
152 Dibenz(a,j)acridine	279	30.561	30.561	(1.066)	242047	50.0000	64.3	
153 Indeno(1,2,3-cd)pyrene	276	30.944	30.944	(1.079)	270130	50.0000	61.0	
154 Dibenzo(a,h)anthracene	278	31.016	31.016	(1.082)	284334	50.0000	58.0	
155 Benzo(g,h,i)perylene	276	31.586	31.586	(1.101)	298854	50.0000	56.8	
M 156 Total PAHs	100				12448279	850.000	838	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Report Date: 25-May-2011 14:26

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5835.D
Lab Smp Id: SSTD050U0525
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: SW846 8270C

Calibration Date: 25-MAY-2011
Calibration Time: 10:12

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

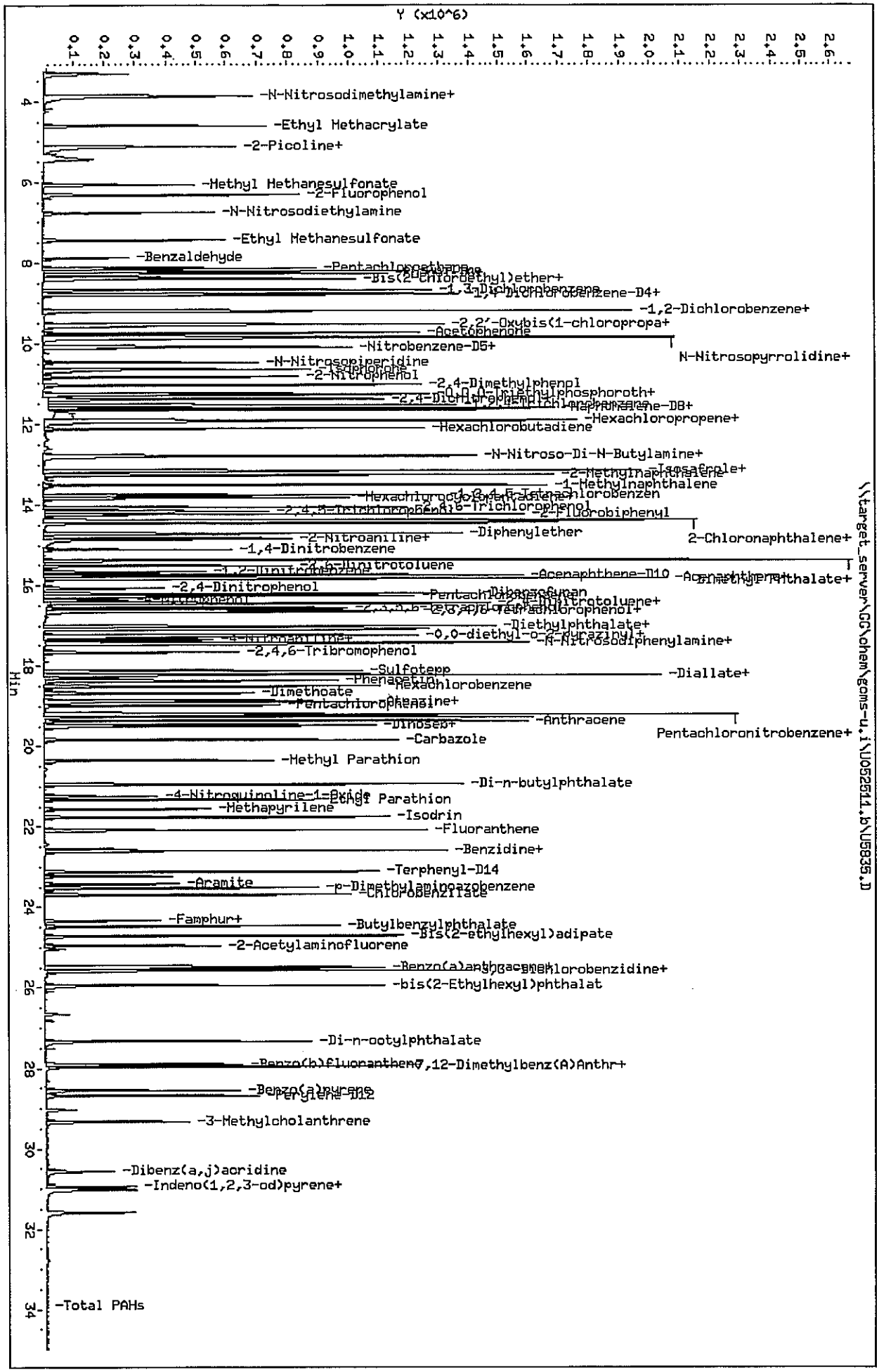
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	351292	7.32
43 Naphthalene-D8	1261487	630744	2522974	1284936	1.86
77 Acenaphthene-D10	688599	344300	1377198	663785	-3.60
114 Phenanthrene-D10	1066957	533479	2133914	992895	-6.94
139 Chrysene-D12	669261	334631	1338522	683028	2.06
150 Perylene-D12	342377	171189	684754	454145	32.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.03
43 Naphthalene-D8	11.61	11.11	12.11	11.60	-0.07
77 Acenaphthene-D10	15.76	15.26	16.26	15.75	-0.05
114 Phenanthrene-D10	19.23	18.73	19.73	19.22	-0.04
139 Chrysene-D12	25.53	25.03	26.03	25.52	-0.03
150 Perylene-D12	28.69	28.19	29.19	28.68	-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.

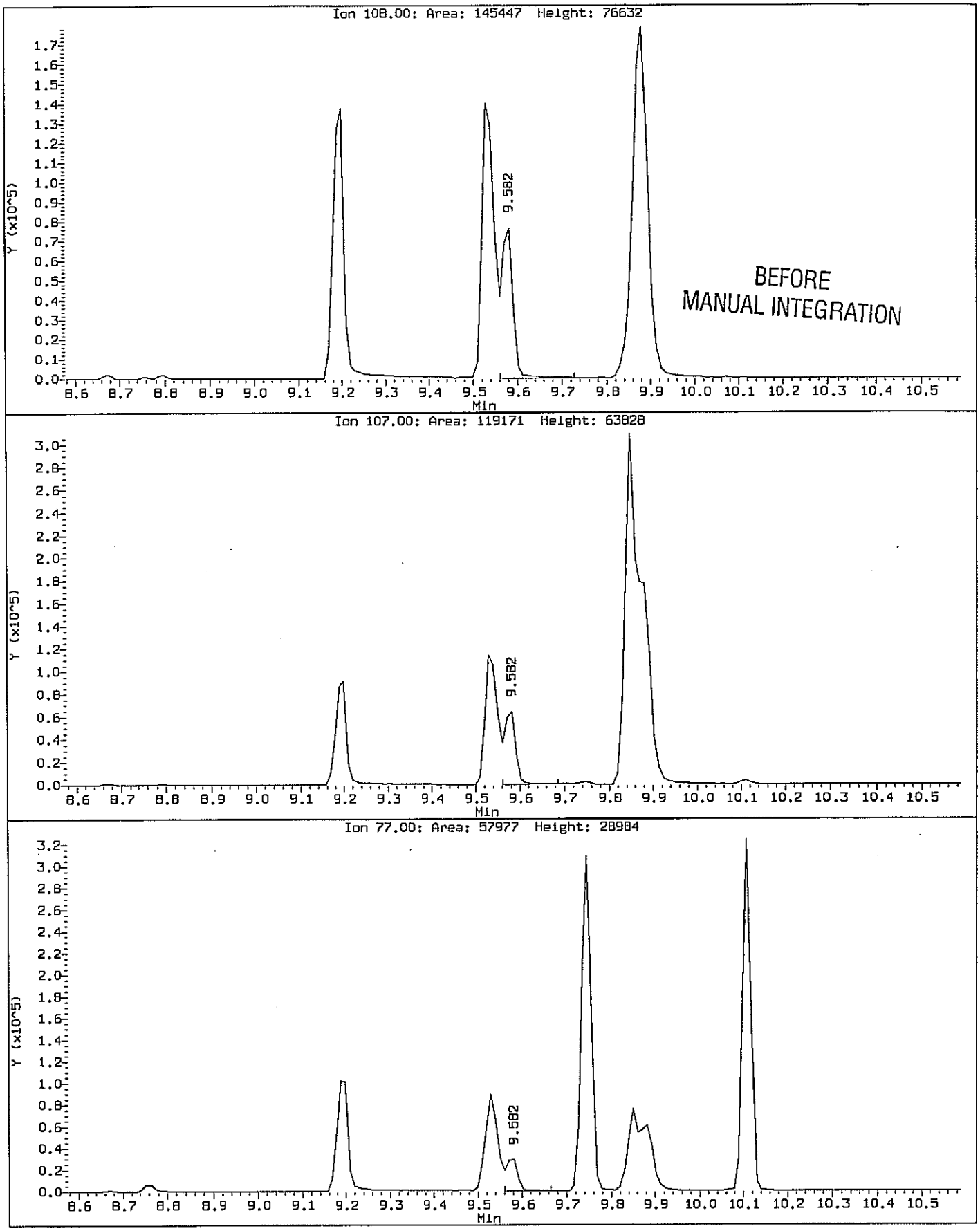
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5835.D
Date : 25-MAY-2011 11:13
Client ID:
Sample Info: SSTD050U0525
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



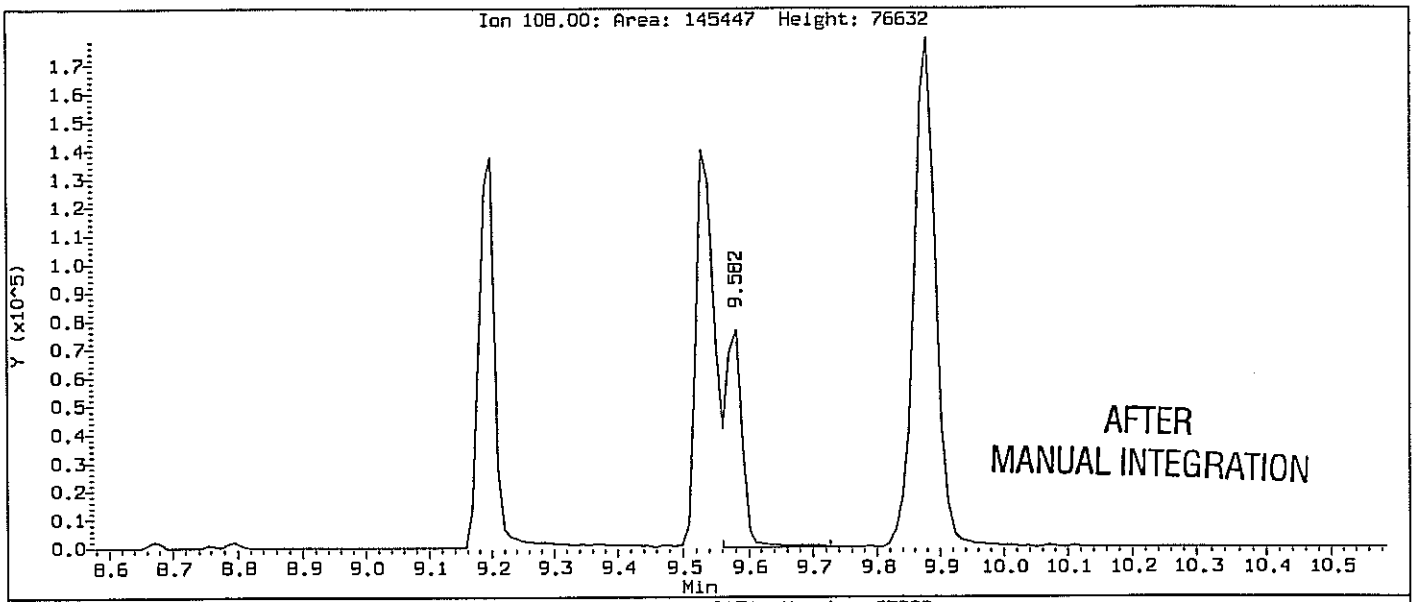
Data File: \\target_server\GG\chem\gcms-u.1\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.1
Client Sample ID:

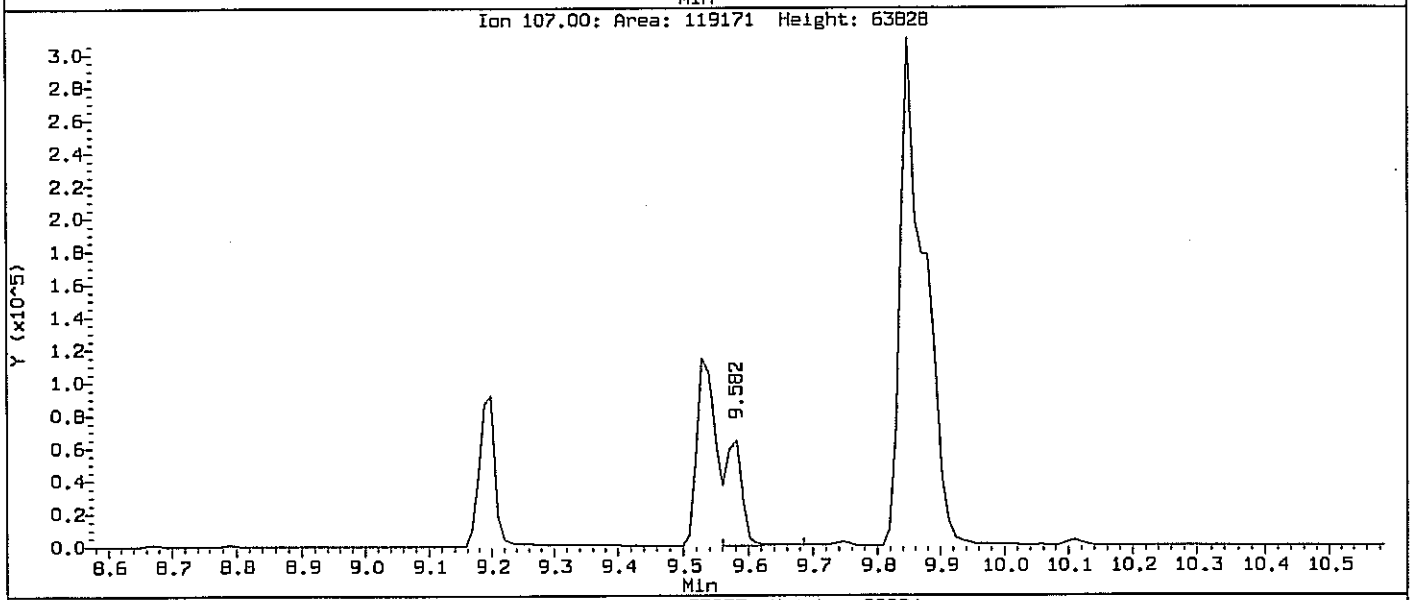
Compound: 2-Methylphenol
CAS Number: 95-48-7

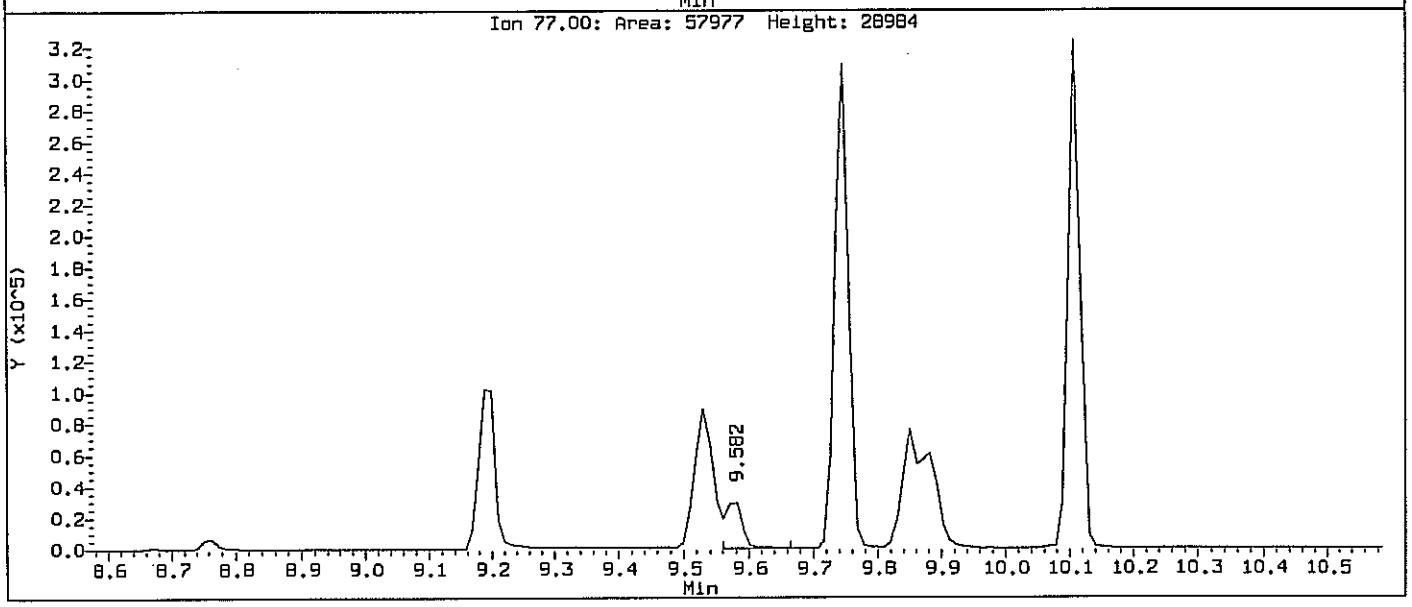


Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

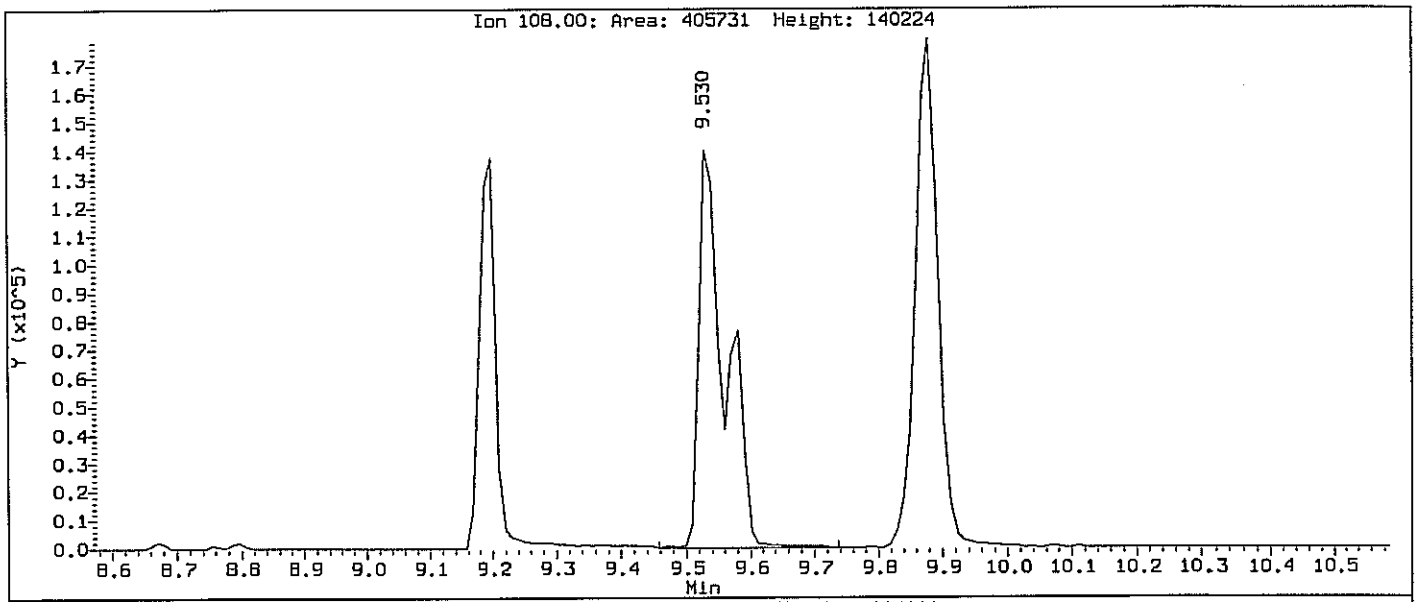


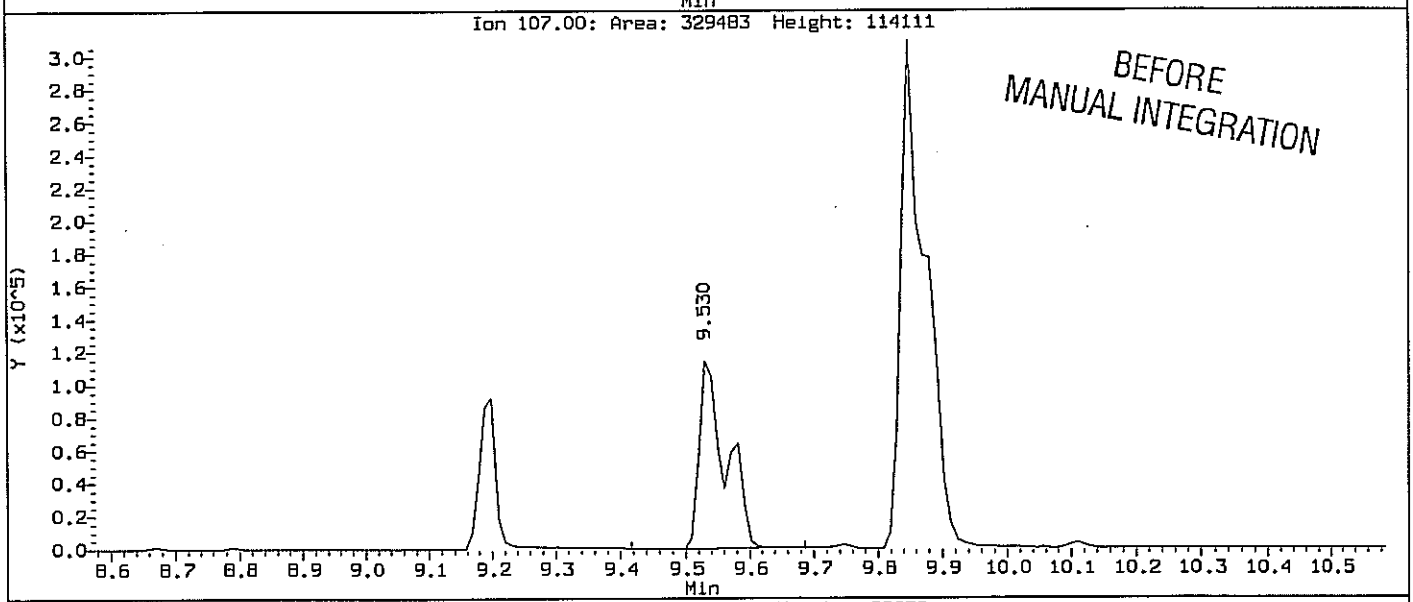


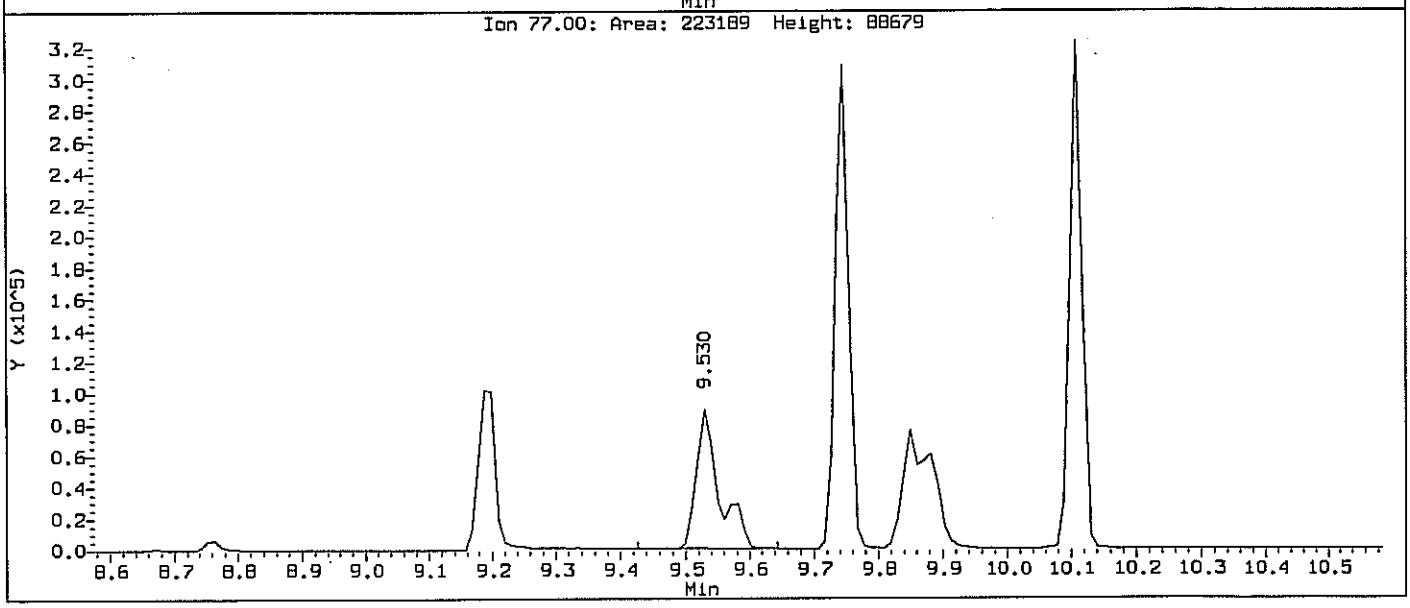


Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

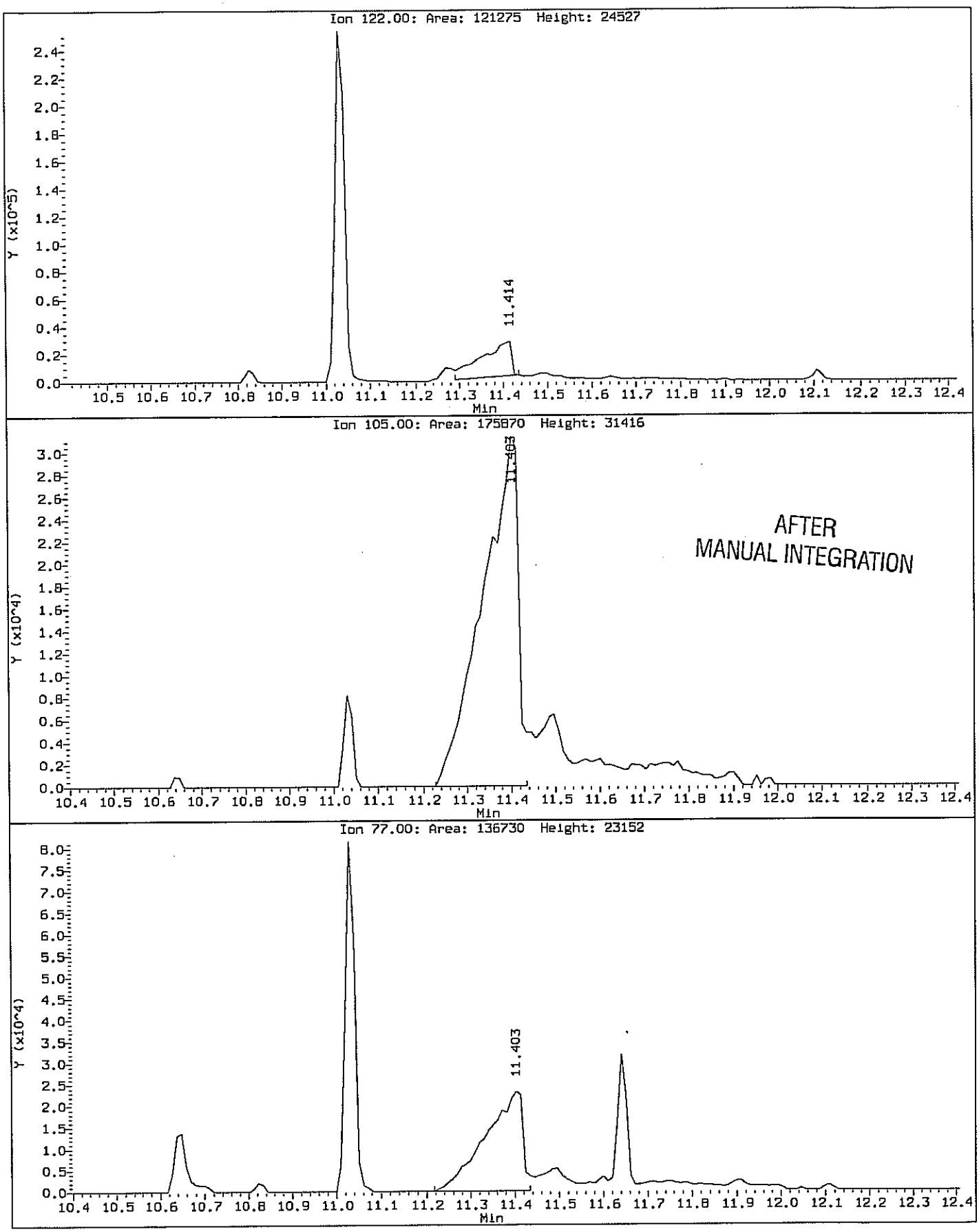






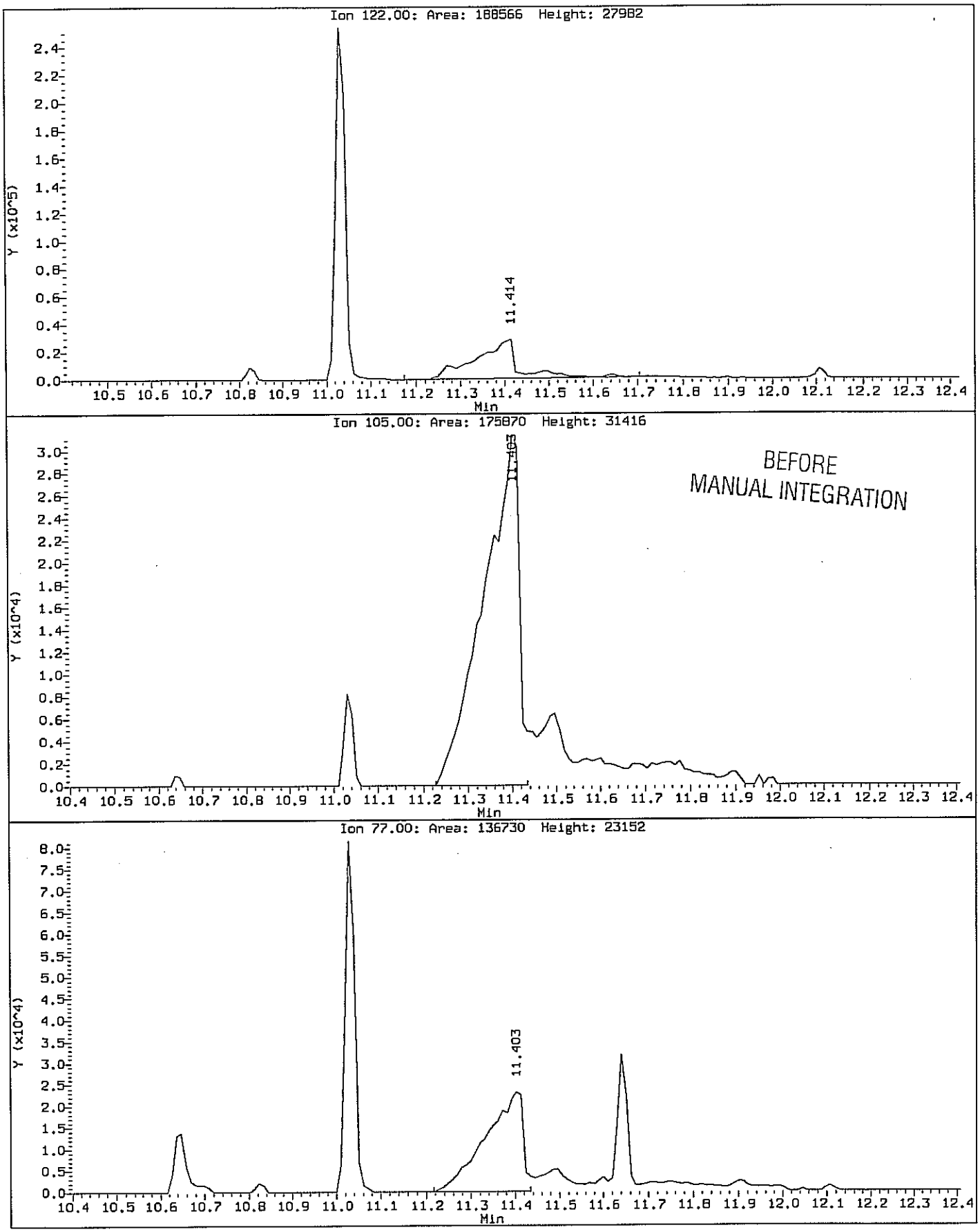
Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



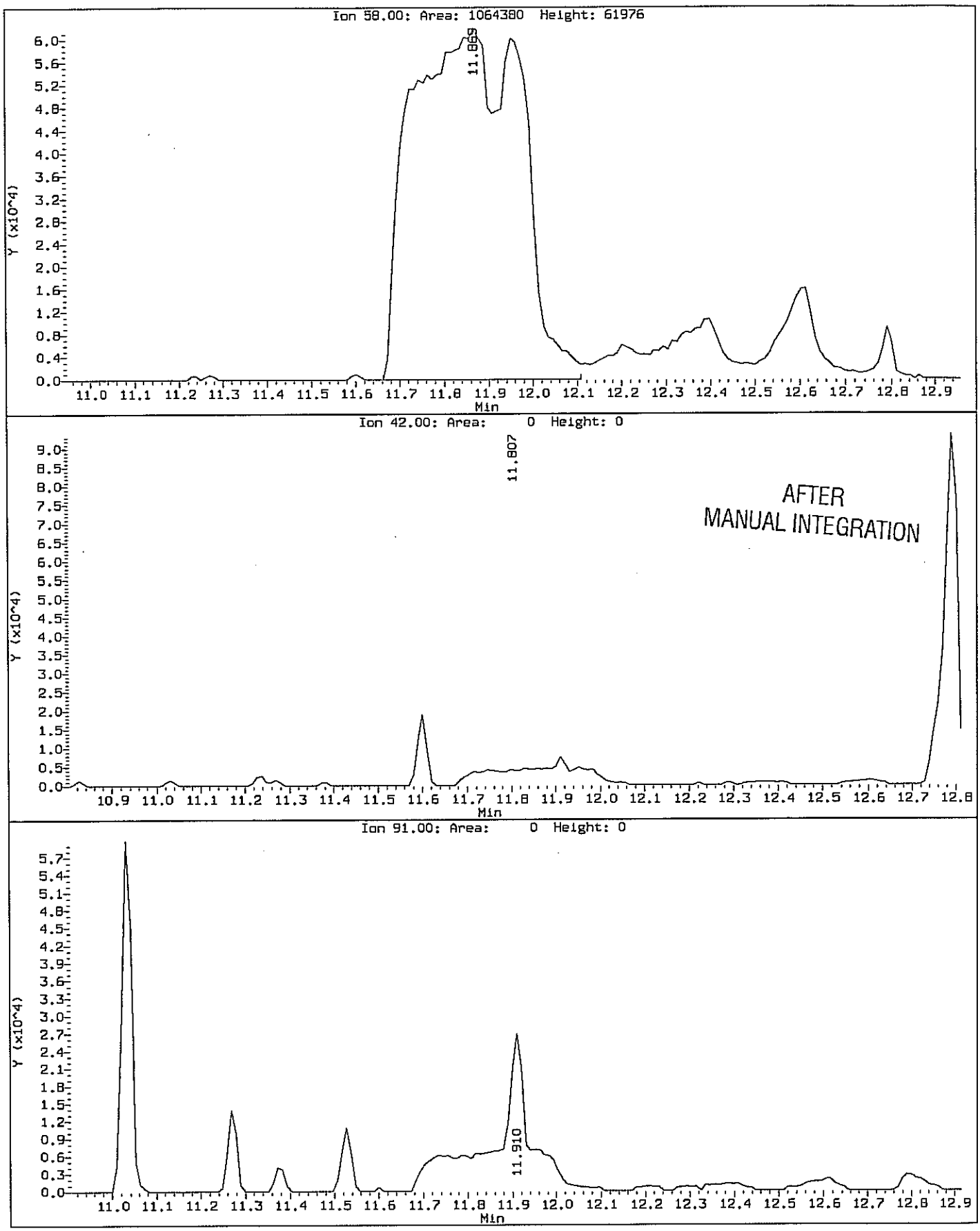
Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0



Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8



Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02

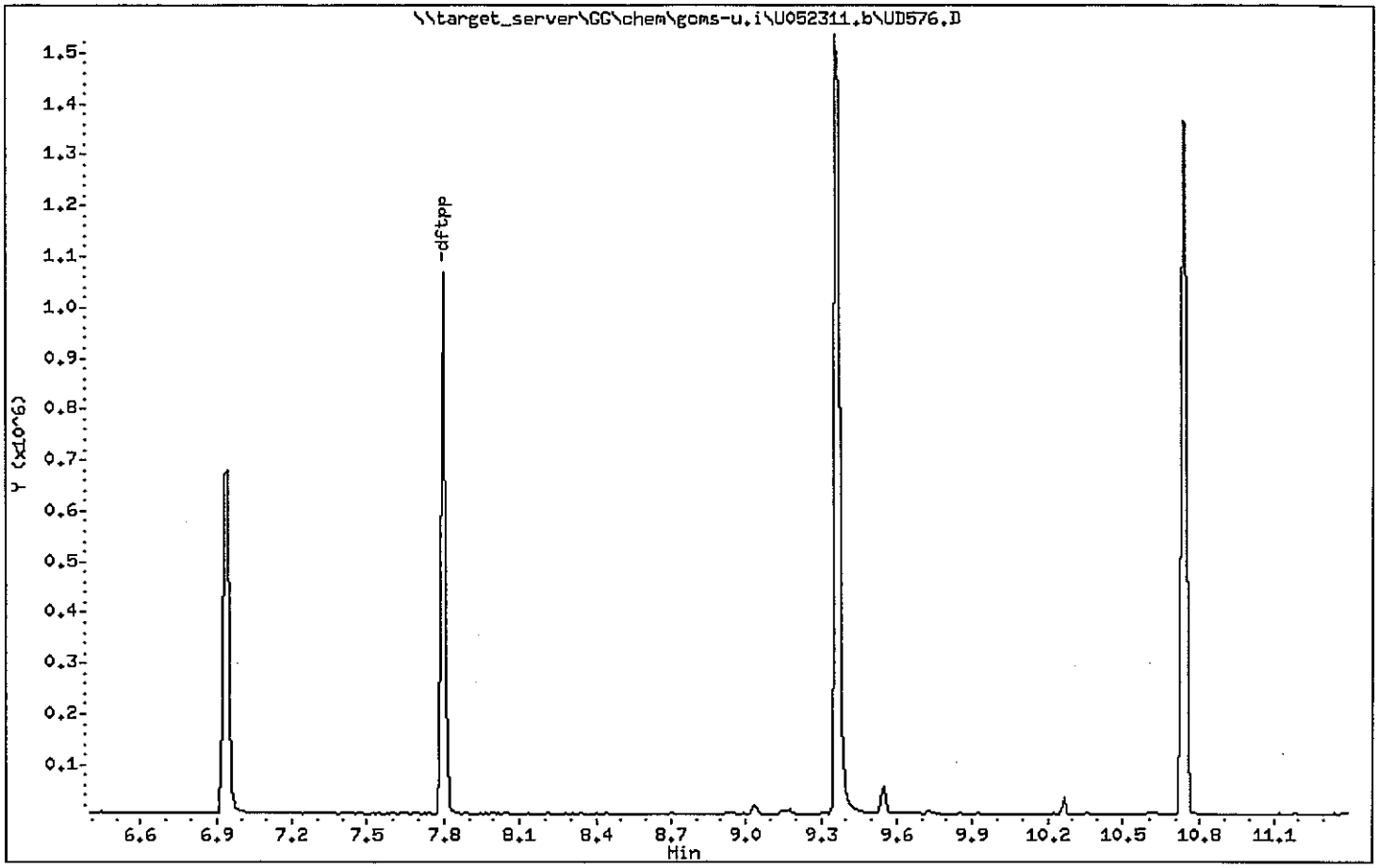
Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

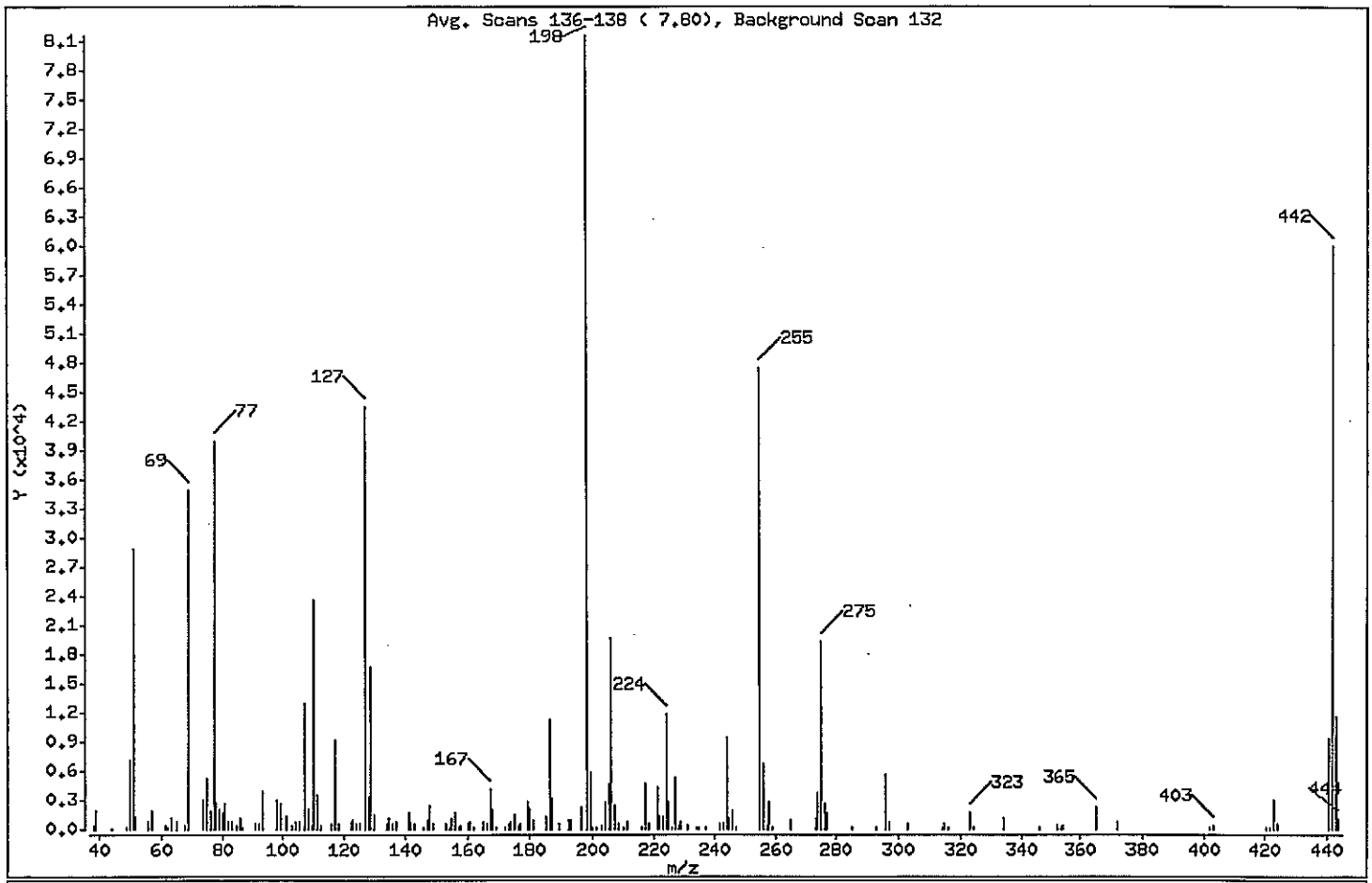
Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.45
68	Less than 2.00% of mass 69	0.51 (1.20)
69	Less than 100.00% of mass 198	42.80
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.30
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.15
275	10.00 - 30.00% of mass 198	23.57
365	1.00 - 100.00% of mass 198	2.77
441	0.01 - 100.00% of mass 443	11.54 (81.53)
442	40.00 - 100.00% of mass 198	73.64
443	17.00 - 23.00% of mass 442	14.16 (19.23)

Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD576.D

Spectrum: Avg. Scans 136-138 (7.80), Background Scan 132

Location of Maximum: 198.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	368	112.00	431	177.00	530	245.00	1087
39.00	1906	116.00	590	179.00	2810	246.00	1877
44.00	18	117.00	9234	180.00	2148	247.00	207
49.00	128	118.00	538	181.00	905	255.00	47408
50.00	7080	122.00	664	185.00	1237	256.00	6709
51.00	28904	123.00	974	186.00	11296	257.00	334
52.00	1275	124.00	527	187.00	3257	258.00	2857
56.00	821	125.00	490	189.00	577	259.00	213
57.00	1917	127.00	43456	192.00	846	265.00	1026
61.00	389	128.00	3323	193.00	924	273.00	1044
62.00	180	129.00	16672	196.00	2189	274.00	3711
63.00	1149	130.00	1591	198.00	81536	275.00	19216
65.00	674	134.00	498	199.00	5828	276.00	2715
68.00	419	135.00	1173	200.00	220	277.00	1694
69.00	34896	136.00	488	201.00	187	285.00	170
74.00	3060	137.00	724	203.00	380	293.00	279
75.00	5277	141.00	1647	204.00	2857	296.00	5640
76.00	1785	142.00	657	205.00	4749	297.00	700
77.00	39968	143.00	481	206.00	19640	303.00	581
78.00	2780	146.00	180	207.00	2506	314.00	172
79.00	2123	147.00	958	208.00	631	315.00	473
80.00	1617	148.00	2354	210.00	194	316.00	201
81.00	2679	149.00	476	211.00	782	323.00	1717
82.00	699	153.00	595	216.00	220	324.00	230
83.00	692	154.00	210	217.00	4757	334.00	1170
85.00	398	155.00	1086	218.00	599	346.00	211
86.00	1050	156.00	1708	221.00	4338	352.00	305
87.00	186	157.00	205	222.00	1312	353.00	225
91.00	567	158.00	438	223.00	1317	354.00	283
92.00	518	160.00	510	224.00	11726	365.00	2260
93.00	3999	161.00	821	225.00	2905	372.00	674
98.00	2993	162.00	220	226.00	173	402.00	193
99.00	2700	165.00	765	227.00	5179	403.00	397
101.00	1360	166.00	531	228.00	404	421.00	278
103.00	426	167.00	4099	229.00	798	422.00	222

Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD576.D

Spectrum: Avg. Scans 136-138 (7.80), Background Scan 132

Location of Maximum: 198.00

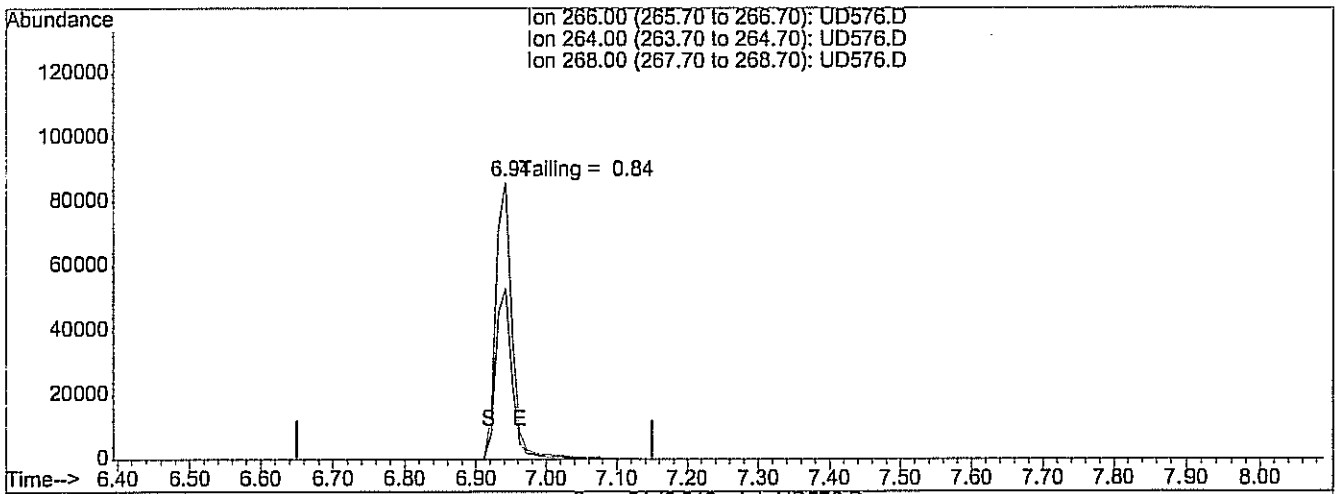
Number of points: 167

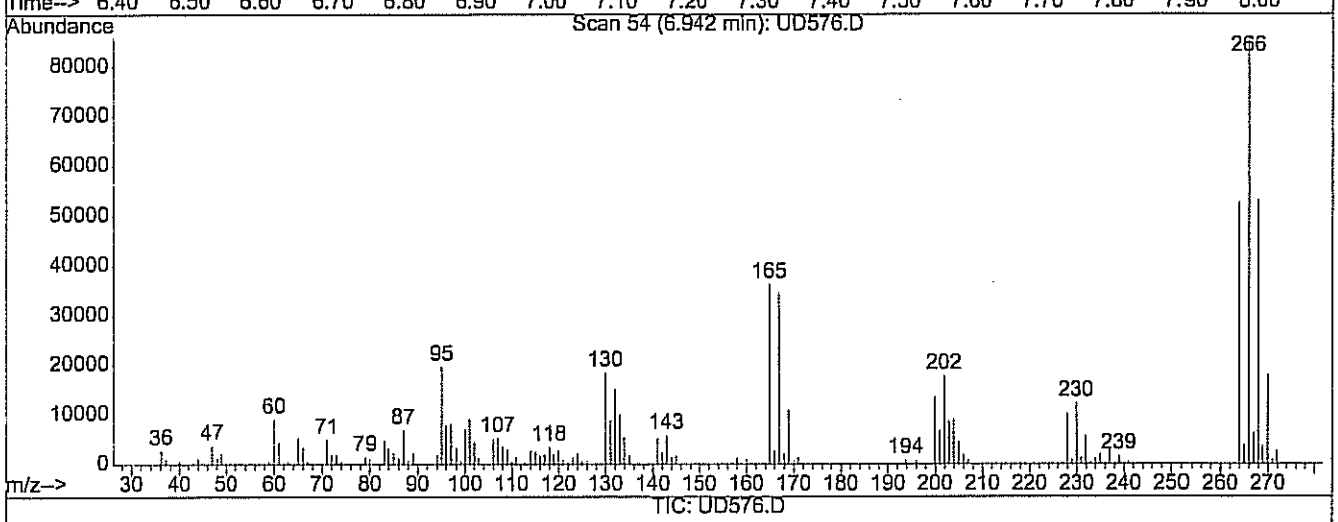
m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	785	168.00	2079	231.00	324	423.00	3078
105.00	739	169.00	188	234.00	187	424.00	526
107.00	12921	172.00	176	235.00	191	441.00	9412
108.00	2101	173.00	471	237.00	188	442.00	60040
109.00	380	174.00	775	242.00	631	443.00	11544
110.00	23680	175.00	1529	243.00	521	444.00	1084
111.00	3629	176.00	440	244.00	9424		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D Vial: 1
Acq On : 23 May 2011 9:57 am Operator: JCG
Sample : 50ng DFTPP Inst : GC/MS Ins
Misc : 5973-U;TUNE Multiplr: 1.00
MSD Integration Parameters: SEP01 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD576.D

(1) Pentachlorophenol (CM)

6.94min 64.41ug/L

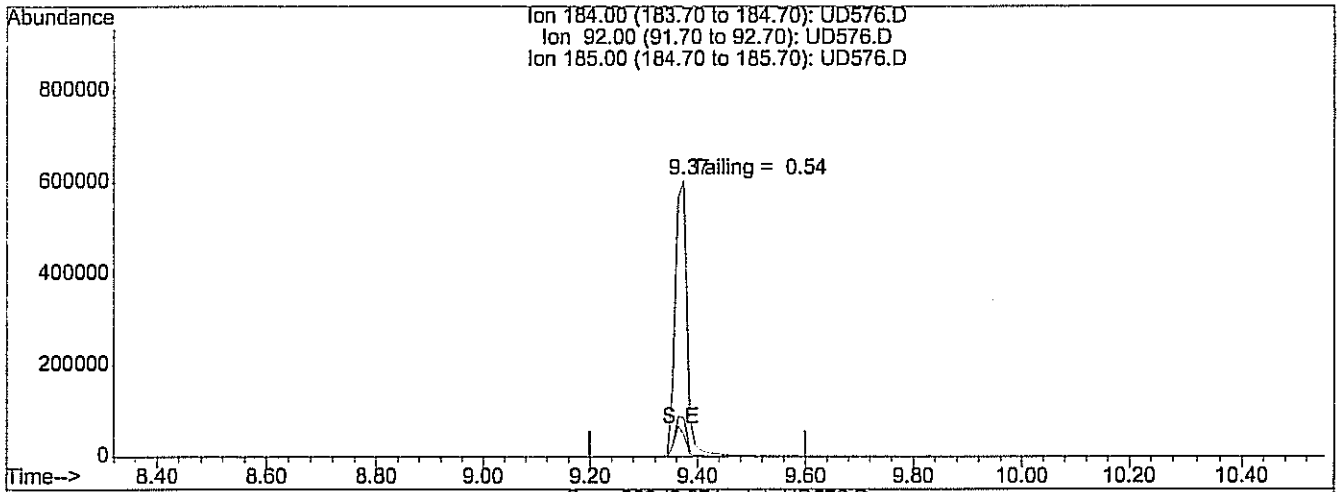
response 142405

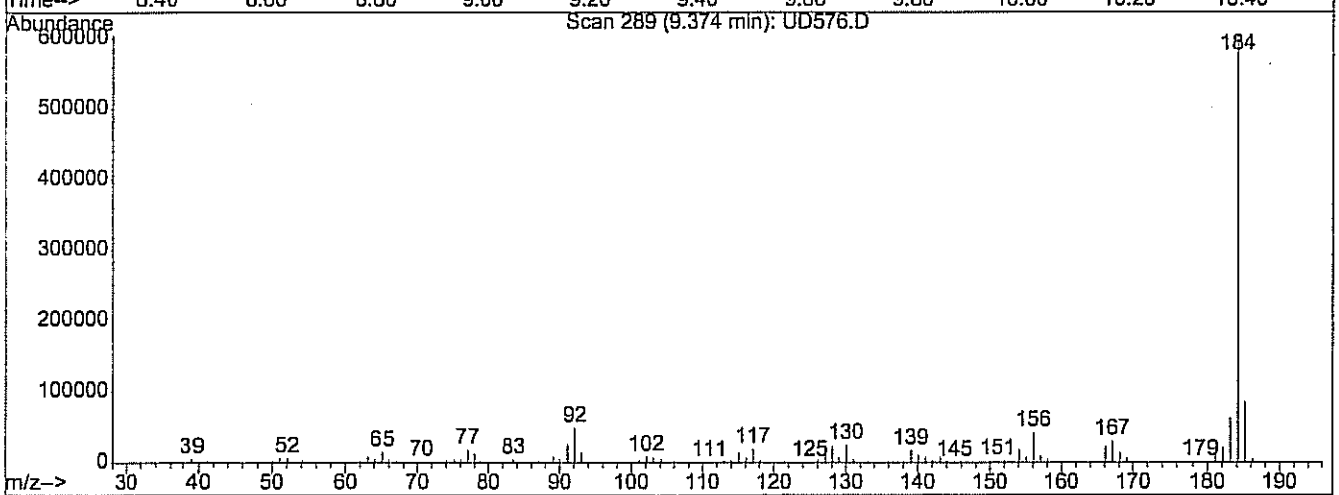
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	61.37
268.00	63.50	62.11
0.00	0.00	0.00

UD576.D TUNETAIL.M Mon May 23 10:10:52 2011

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D Vial: 1
Acq On : 23 May 2011 9:57 am Operator: JCG
Sample : 50ng DFTPP Inst : GC/MS Ins
Misc : 5973-U;TUNE Multiplr: 1.00
MSD Tune : MayPart 18:18EP01 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD576.D

(2) Benzidine (T)

9.37min 210.21ug/L

response 943015

Ion	Exp%	Act%
184.00	100	100
92.00	12.20	10.29
185.00	14.40	14.79
0.00	0.00	0.00

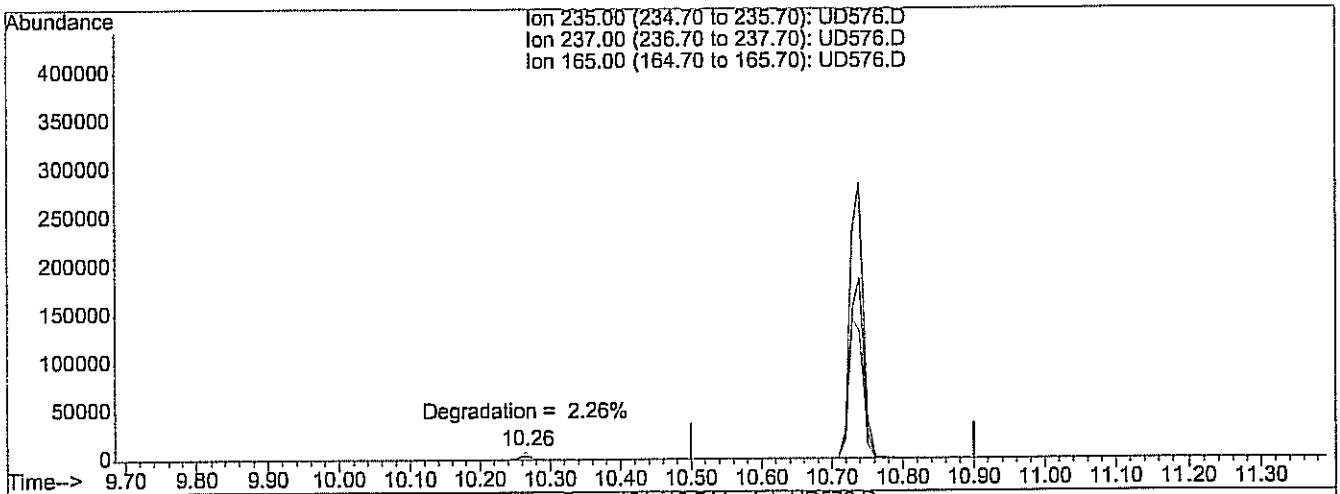
UD576.D TUNETAIL.M Mon May 23 10:10:59 2011

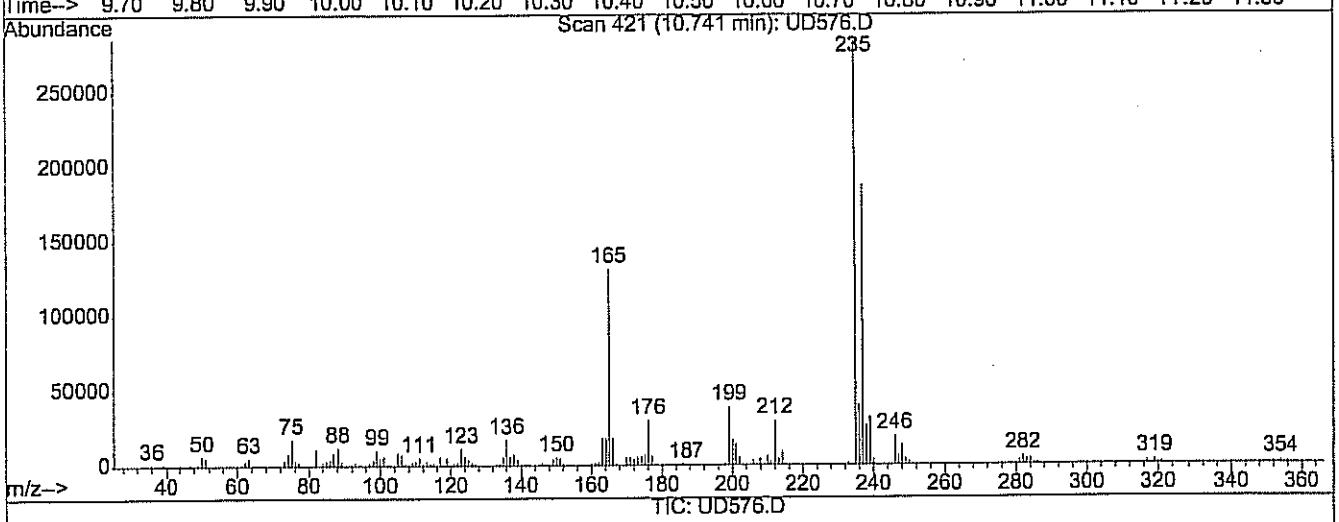
Quantitation Report

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D
Acq On : 23 May 2011 9:57 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSD Tune Method : Mass Spec Tune
Integration Parameters : 18EP01

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD576.D

(3) 4,4'-DDT (T)

10.74min 82.75ug/L

response 371247

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	65.68
165.00	50.00	53.44
0.00	0.00	0.00

UD576.D TUNETAIL.M Mon May 23 10:11:08 2011

Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

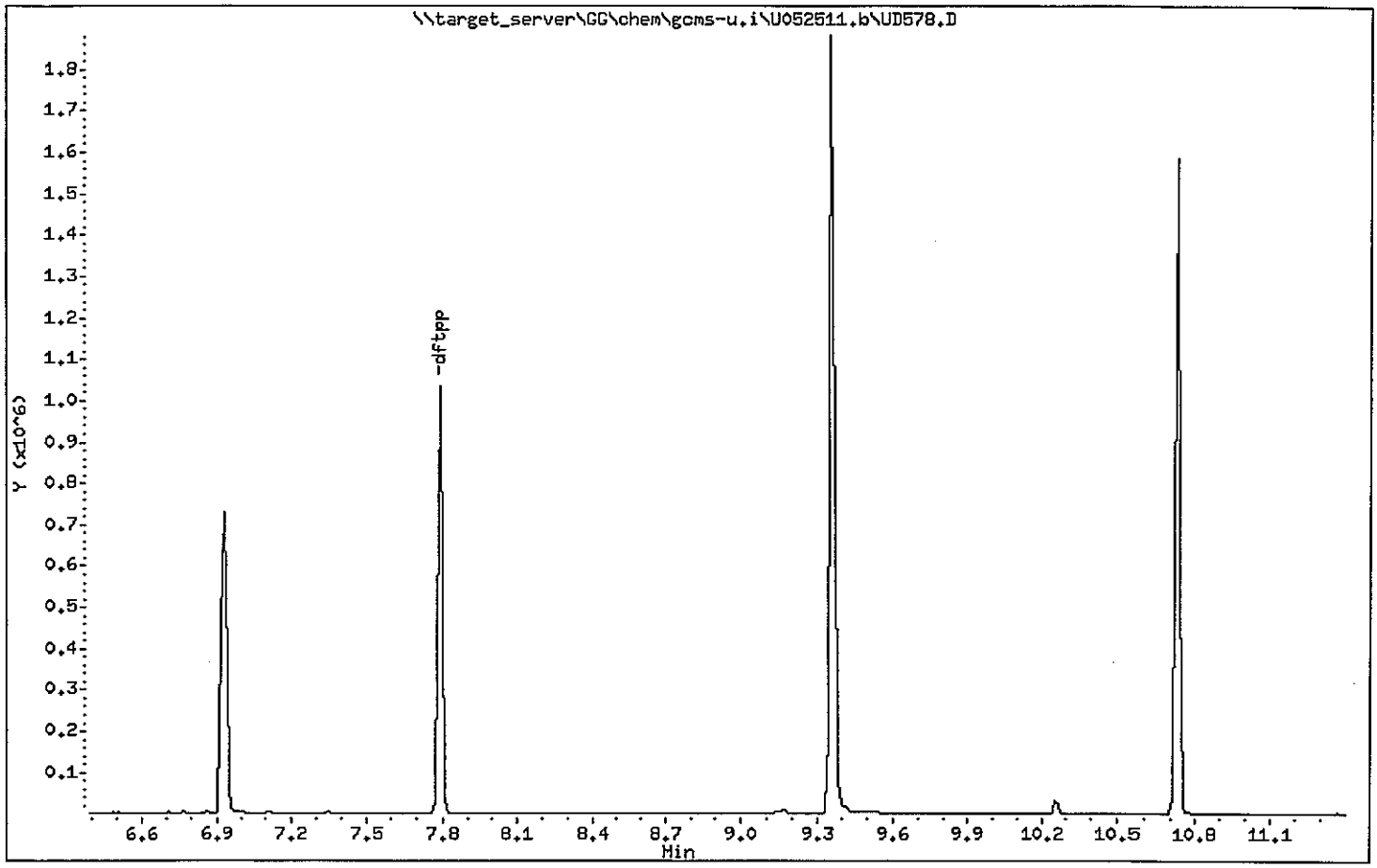
Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25



Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

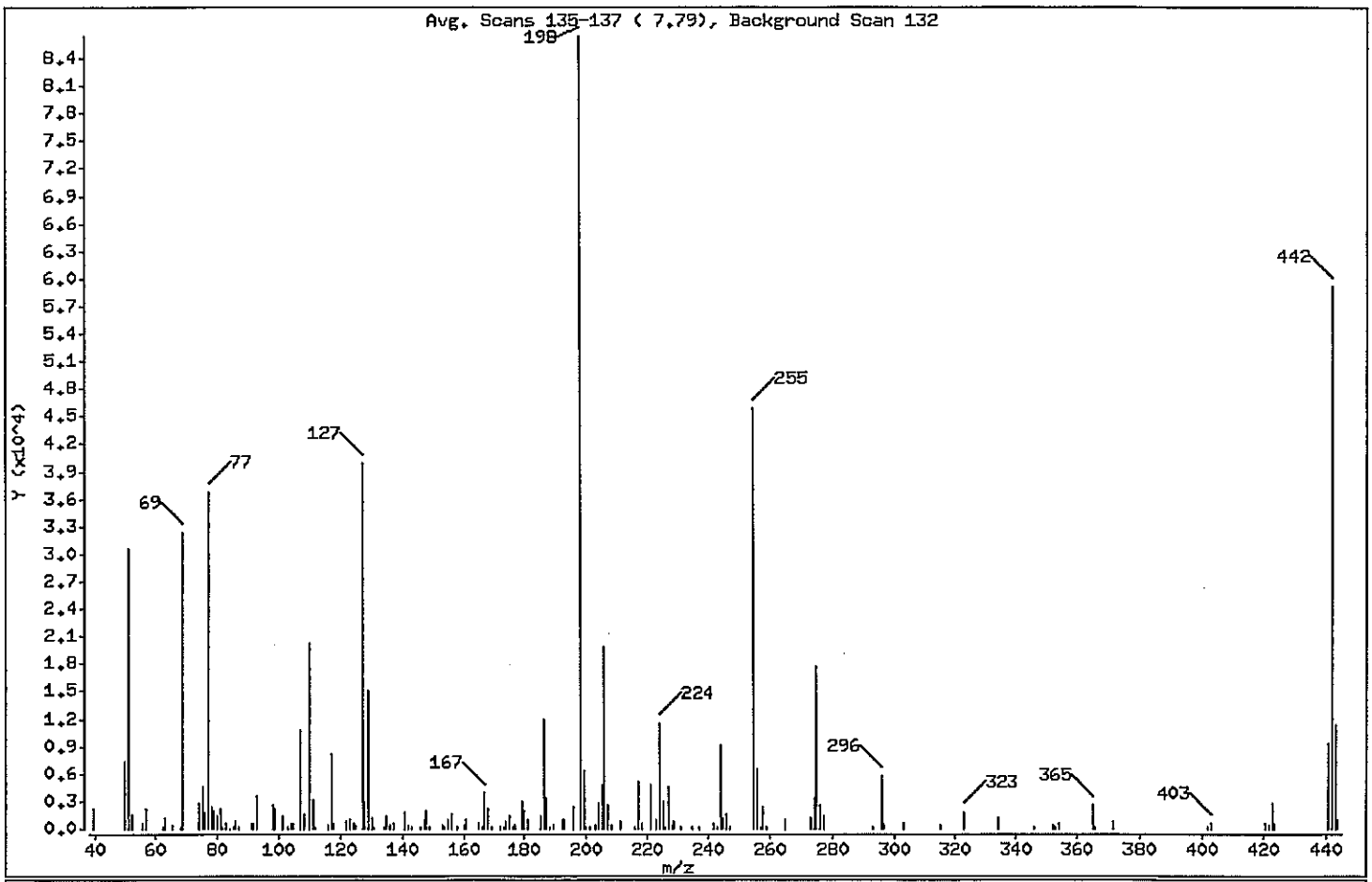
Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.45
68	Less than 2.00% of mass 69	0.28 (0.75)
69	Less than 100.00% of mass 198	37.54
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.30
275	10.00 - 30.00% of mass 198	20.50
365	1.00 - 100.00% of mass 198	2.88
441	0.01 - 100.00% of mass 443	10.84 (82.52)
442	40.00 - 100.00% of mass 198	68.44
443	17.00 - 23.00% of mass 442	13.13 (19.18)

Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD578.D

Spectrum: Avg. Scans 135-137 (7.79), Background Scan 132

Location of Maximum: 198.00

Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2259	117.00	8065	179.00	2932	246.00	1520
50.00	7344	118.00	545	180.00	2020	247.00	173
51.00	30624	122.00	702	181.00	973	255.00	45848
52.00	1603	123.00	1022	185.00	1323	256.00	6648
56.00	694	124.00	505	186.00	11932	257.00	186
57.00	2162	125.00	482	187.00	3284	258.00	2481
62.00	224	127.00	39848	188.00	207	259.00	229
63.00	1278	128.00	2983	189.00	341	265.00	1005
65.00	487	129.00	15106	192.00	918	273.00	1256
68.00	243	130.00	1215	193.00	967	274.00	3438
69.00	32424	131.00	175	196.00	2425	275.00	17704
74.00	2687	134.00	172	198.00	86376	276.00	2494
75.00	4658	135.00	1355	199.00	6304	277.00	1483
76.00	1762	136.00	318	200.00	249	293.00	180
77.00	36824	137.00	503	201.00	217	296.00	5750
78.00	2410	141.00	1757	203.00	304	297.00	640
79.00	1981	142.00	311	204.00	2850	303.00	610
80.00	1441	143.00	235	205.00	4782	315.00	484
81.00	2217	146.00	177	206.00	19832	323.00	1794
82.00	253	147.00	939	207.00	2546	334.00	1245
83.00	497	148.00	2078	208.00	330	346.00	176
84.00	69	149.00	217	211.00	823	352.00	495
85.00	263	153.00	474	216.00	224	353.00	203
86.00	882	154.00	246	217.00	5159	354.00	627
87.00	185	155.00	1011	218.00	521	365.00	2489
91.00	522	156.00	1652	221.00	4860	366.00	169
92.00	517	158.00	181	223.00	1089	372.00	832
93.00	3566	160.00	348	224.00	11602	402.00	175
98.00	2605	161.00	900	225.00	2940	403.00	529
99.00	2151	165.00	510	226.00	190	421.00	580
101.00	1322	166.00	275	227.00	4598	422.00	428
103.00	180	167.00	3902	228.00	360	423.00	2765
104.00	587	168.00	2192	229.00	858	424.00	615
105.00	607	169.00	185	231.00	223	441.00	9359
107.00	10720	172.00	207	235.00	179	442.00	59120

Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILHS Column diameter: 0.25

Data File: UD578.D

Spectrum: Avg. Scans 135-137 (7.79), Background Scan 132

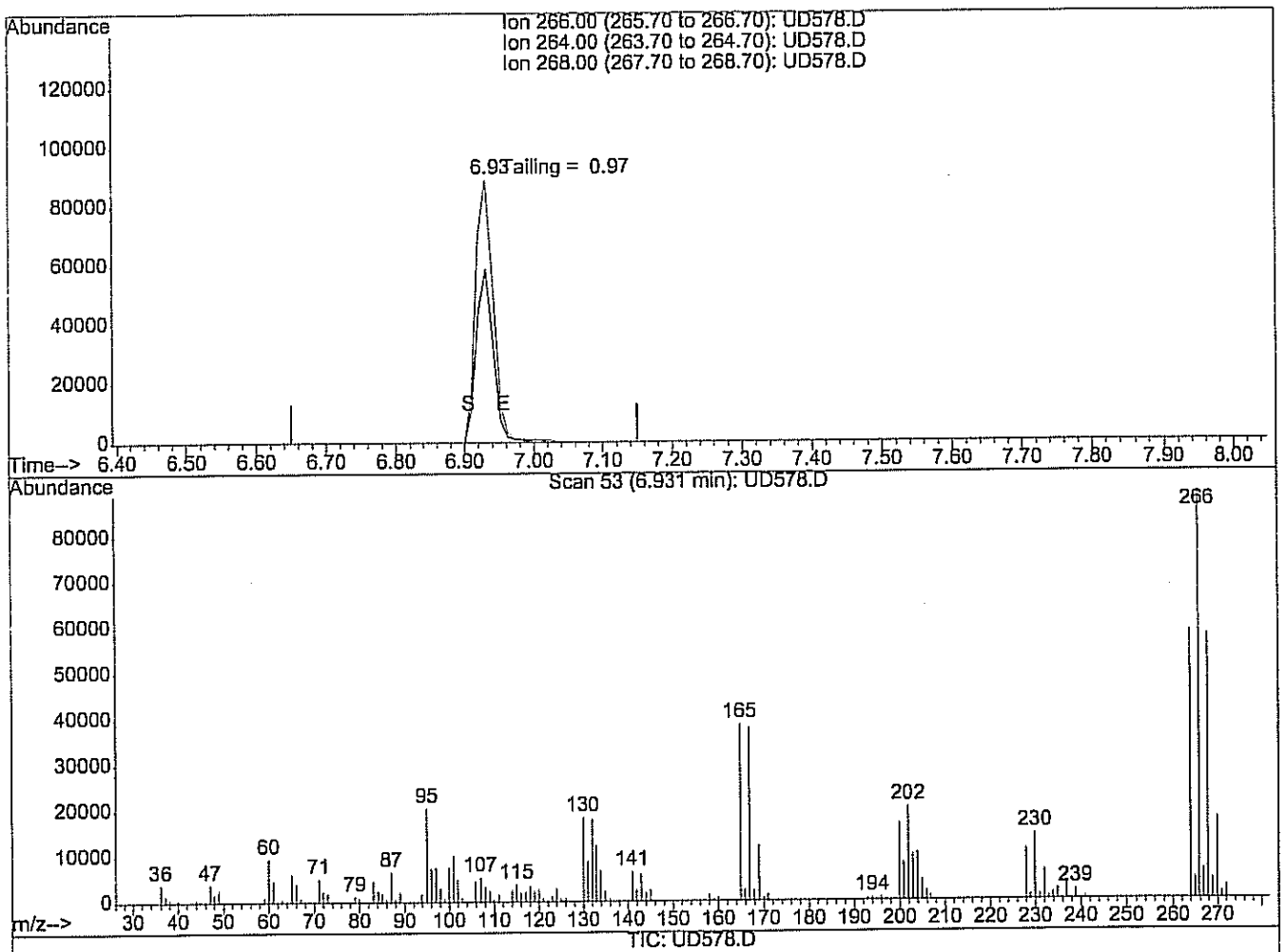
Location of Maximum: 198.00

Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	1632	173.00	251	237.00	194	443.00	11341
110.00	20232	174.00	764	242.00	521	444.00	978
111.00	3204	175.00	1416	243.00	292		
112.00	229	176.00	266	244.00	9143		
116.00	300	177.00	315	245.00	1209		

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D
Acq On : 25 May 2011 10:54 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MS Integration Params: 06EP01
Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res



(1) Pentachlorophenol (CM)

6.93min 70.45ug/L

response 155773

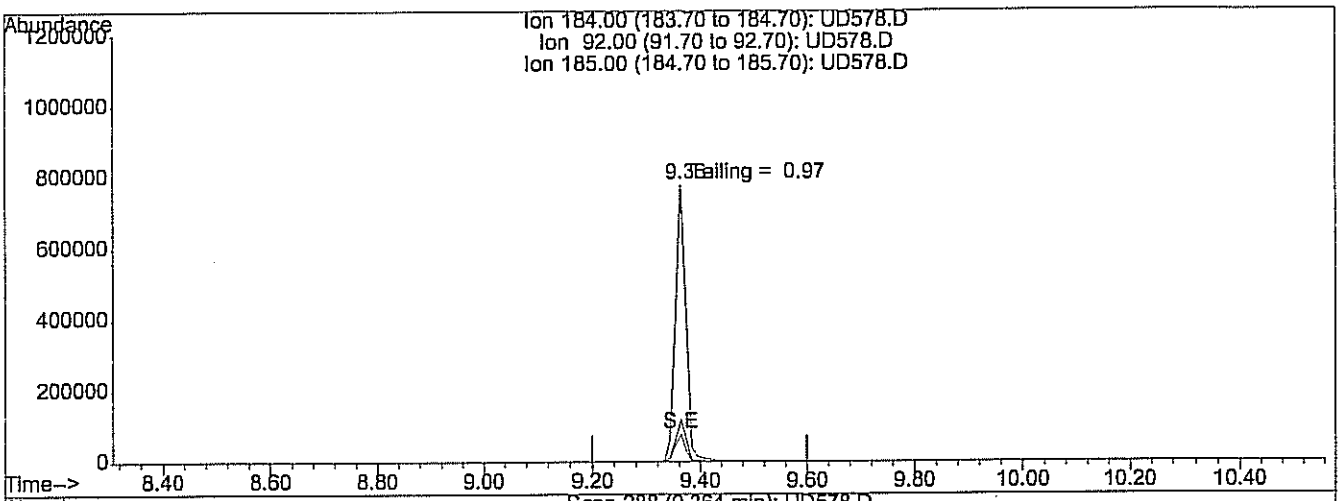
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	62.74
268.00	63.50	63.50
0.00	0.00	0.00

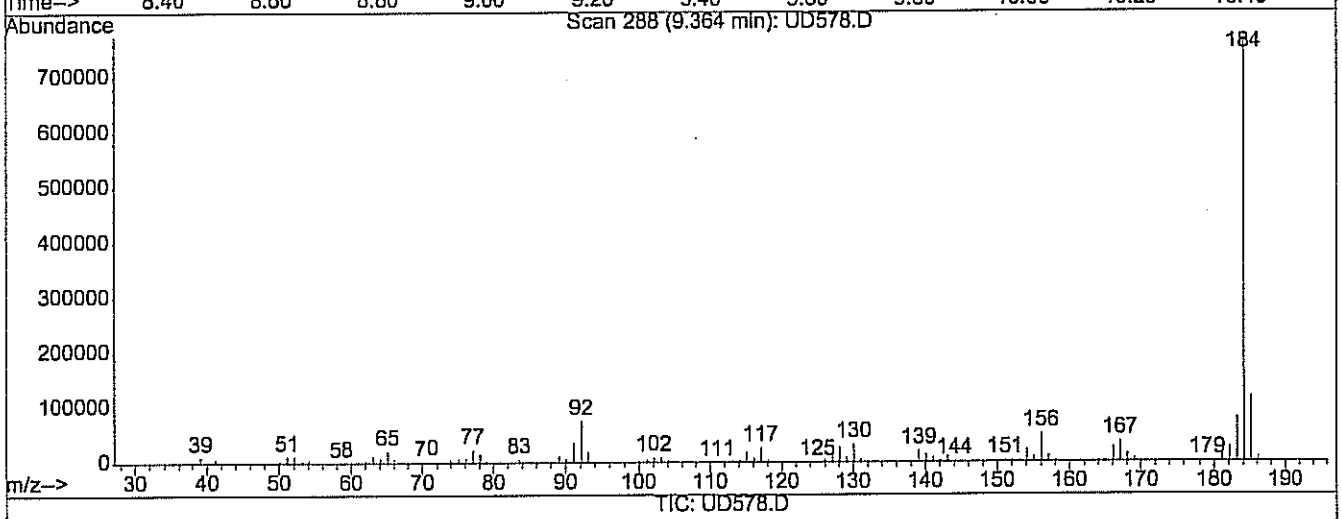
UD578.D TUNETAIL.M Wed May 25 11:06:18 2011

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D
Acq On : 25 May 2011 10:54 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MS Integration Params : 06E2011

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





(2) Benzidine (T)

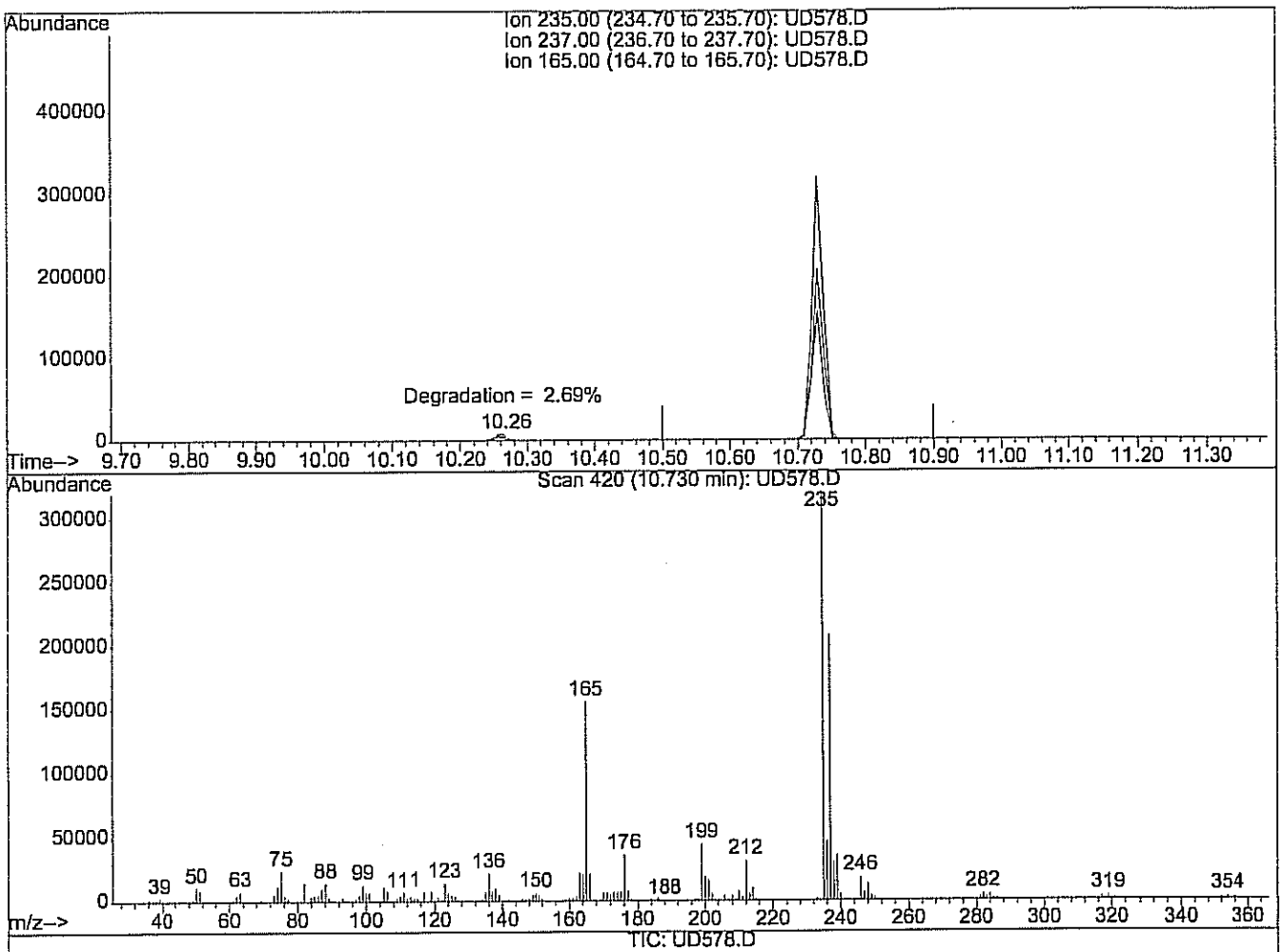
9.36min 241.66ug/L

response 1084141

Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.59
185.00	14.40	14.96
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D Vial: 1
Acq On : 25 May 2011 10:54 am Operator: JCG
Sample : 50ng DFTPP Inst : GC/MS Ins
Misc : 5973-U;TUNE Multiplr: 1.00
MSD Tune Date : May 25 2011 06:20:01 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.73min 81.51ug/L

response 365653

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.06
165.00	50.00	48.10
0.00	0.00	0.00

UD578.D TUNETAIL.M Wed May 25 11:06:31 2011

Data File: \\target_server\GC\chem\gcms-u.i\U052611.b\UD579.D

Date : 26-MAY-2011 09:51

Client ID: DFTPP02

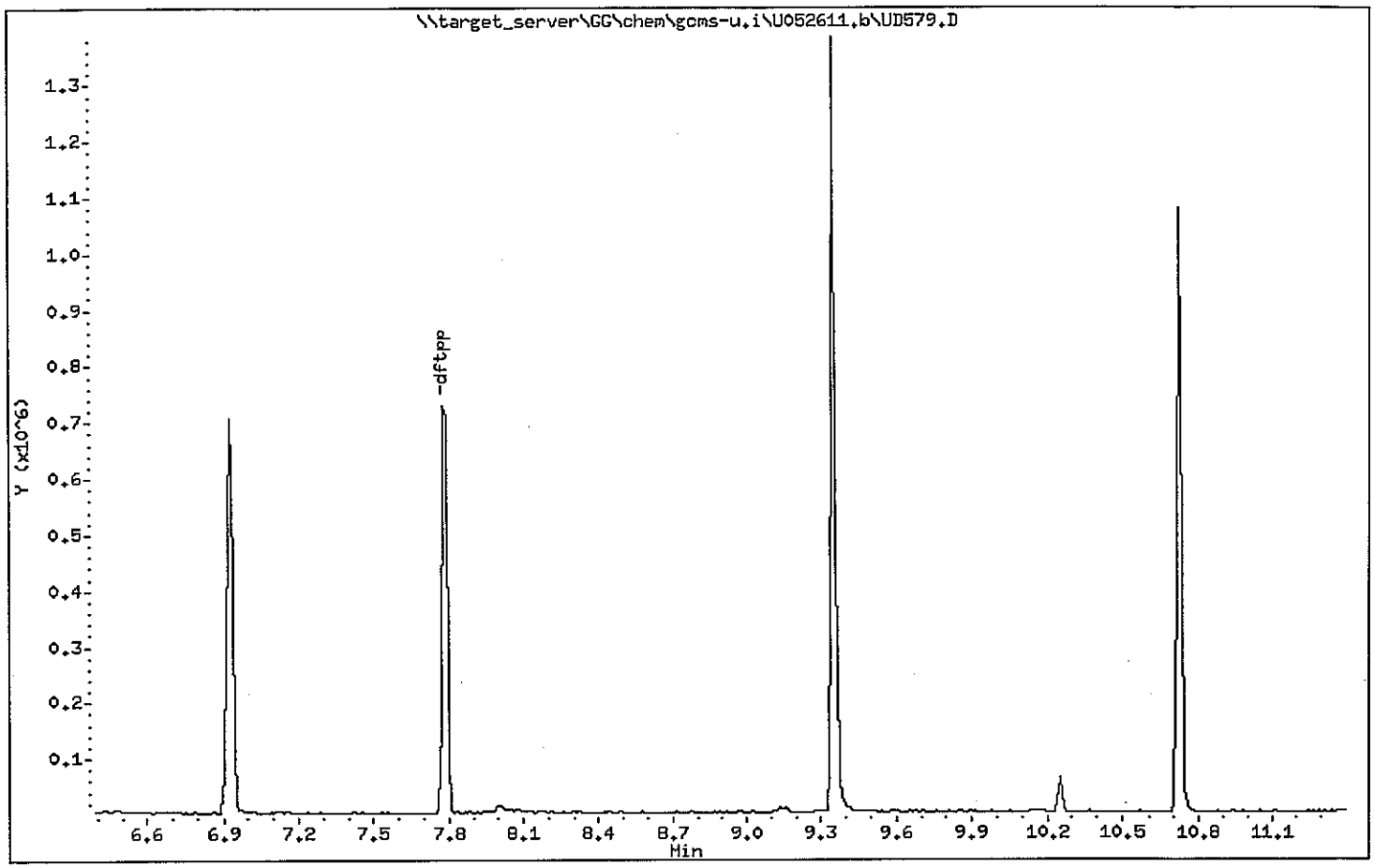
Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\GC\chem\gcms-u.i\U052611.b\UD579.D

Date : 26-MAY-2011 09:51

Client ID: DFTPP02

Instrument: gcms-u.i

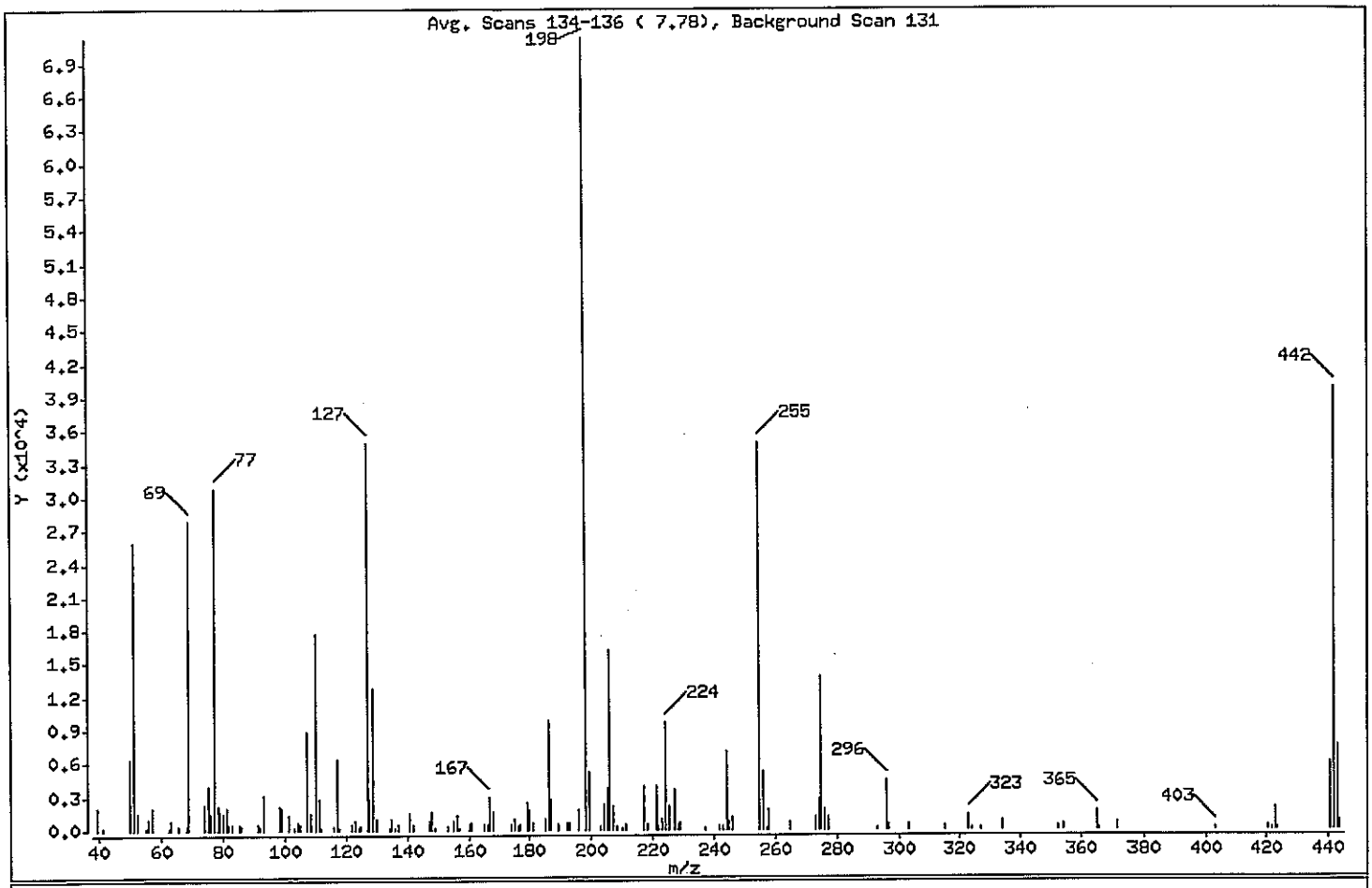
Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.27
68	Less than 2.00% of mass 69	0.53 (1.36)
69	Less than 100.00% of mass 198	39.12
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.28
275	10.00 - 30.00% of mass 198	19.37
365	1.00 - 100.00% of mass 198	2.30
441	0.01 - 100.00% of mass 443	8.60 (81.63)
442	40.00 - 100.00% of mass 198	55.96
443	17.00 - 23.00% of mass 442	10.54 (18.84)

Data File: \\target_server\GC\chem\gcms-u.i\U052611.b\UD579.D

Date : 26-MAY-2011 09:51

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD579.D

Spectrum: Avg. Scans 134-136 (7.78), Background Scan 131

Location of Maximum: 198.00

Number of points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2021	110.00	17680	177.00	507	246.00	1192
41.00	185	111.00	2796	179.00	2416	255.00	34928
50.00	6468	112.00	209	180.00	1860	256.00	5175
51.00	25848	116.00	392	181.00	736	257.00	216
52.00	1407	117.00	6365	185.00	1024	258.00	1839
55.00	181	118.00	230	186.00	9837	265.00	715
56.00	972	122.00	469	187.00	2796	273.00	1120
57.00	2027	123.00	765	189.00	457	274.00	2718
62.00	199	124.00	243	192.00	583	275.00	13803
63.00	849	125.00	357	193.00	735	276.00	1827
65.00	300	127.00	34864	196.00	1790	277.00	1088
68.00	378	128.00	2736	198.00	71264	293.00	174
69.00	27880	129.00	12757	199.00	5190	296.00	4412
74.00	2316	130.00	1027	203.00	370	297.00	573
75.00	4011	134.00	196	204.00	2217	303.00	536
76.00	1398	135.00	944	205.00	3848	315.00	287
77.00	30768	136.00	187	206.00	16238	323.00	1309
78.00	2051	137.00	501	207.00	2203	324.00	187
79.00	1700	141.00	1489	208.00	402	327.00	189
80.00	1441	142.00	557	210.00	175	334.00	841
81.00	2024	147.00	773	211.00	565	352.00	264
82.00	463	148.00	1671	217.00	3865	354.00	434
83.00	492	149.00	202	218.00	488	365.00	1637
85.00	429	153.00	396	221.00	3970	366.00	168
86.00	277	155.00	814	222.00	257	372.00	640
91.00	433	156.00	1373	223.00	918	403.00	230
92.00	396	157.00	179	224.00	9652	421.00	257
93.00	3046	160.00	471	225.00	2152	422.00	175
98.00	2150	161.00	612	227.00	3675	423.00	1967
99.00	2005	165.00	459	228.00	458	424.00	241
101.00	1250	166.00	413	229.00	707	441.00	6132
103.00	172	167.00	2979	237.00	169	442.00	39880
104.00	588	168.00	1661	242.00	376	443.00	7512
105.00	481	174.00	546	243.00	255	444.00	821
107.00	8858	175.00	1024	244.00	7001		

Data File: \\target_server\GC\chem\gcms-u.i\U052611.b\UD579.D

Date : 26-MAY-2011 09:51

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD579.D

Spectrum: Avg. Scans 134-136 (7.78), Background Scan 131

Location of Maximum: 198.00

Number of points: 142

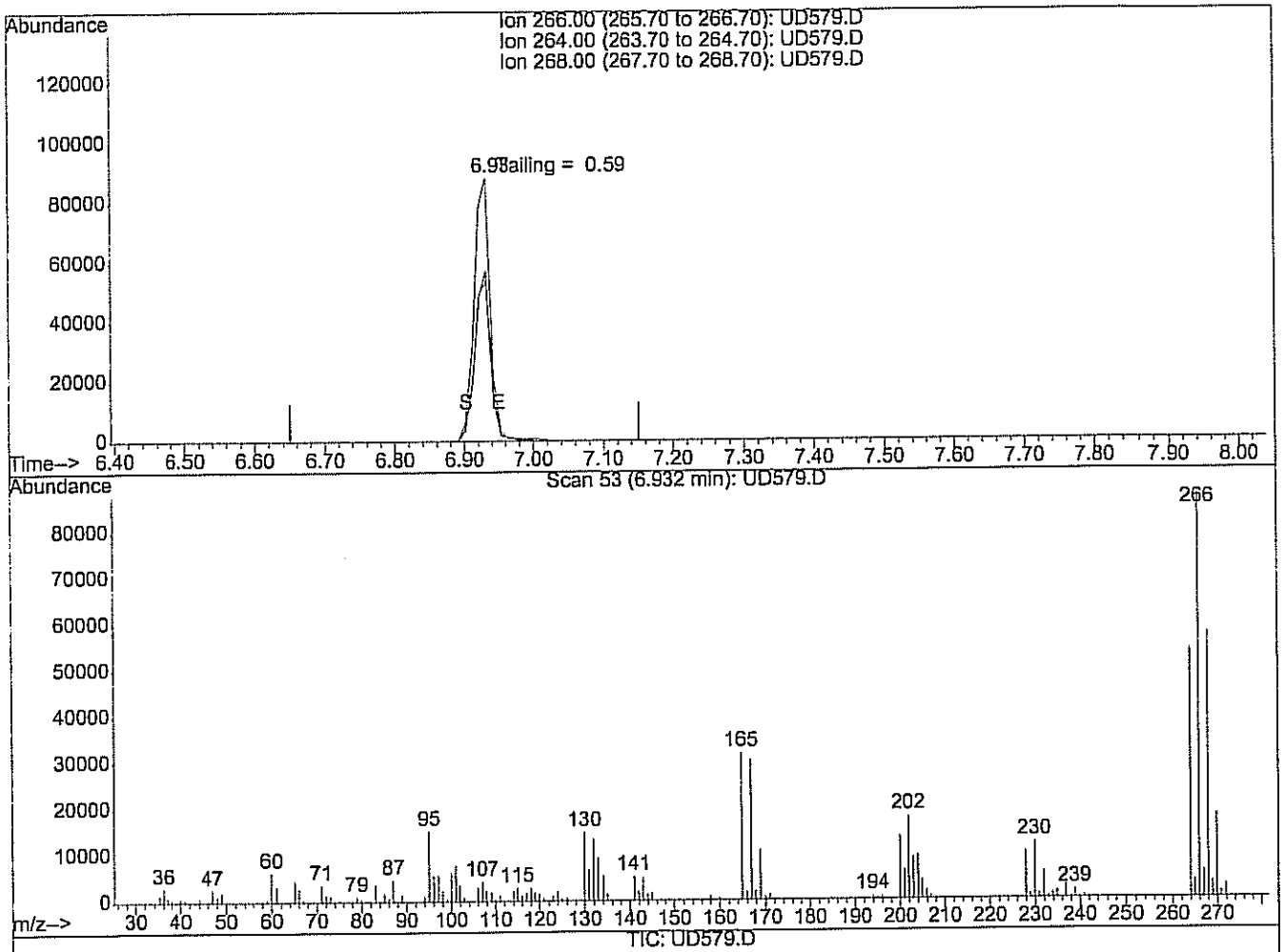
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	1398	176.00	401	245.00	829		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U052611\UD579.D
Acq On : 26 May 2011 9:51 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSAcqMethod : SEPOP1
QuantTimeMay 26 08:09 2011

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.93min 65.62ug/L

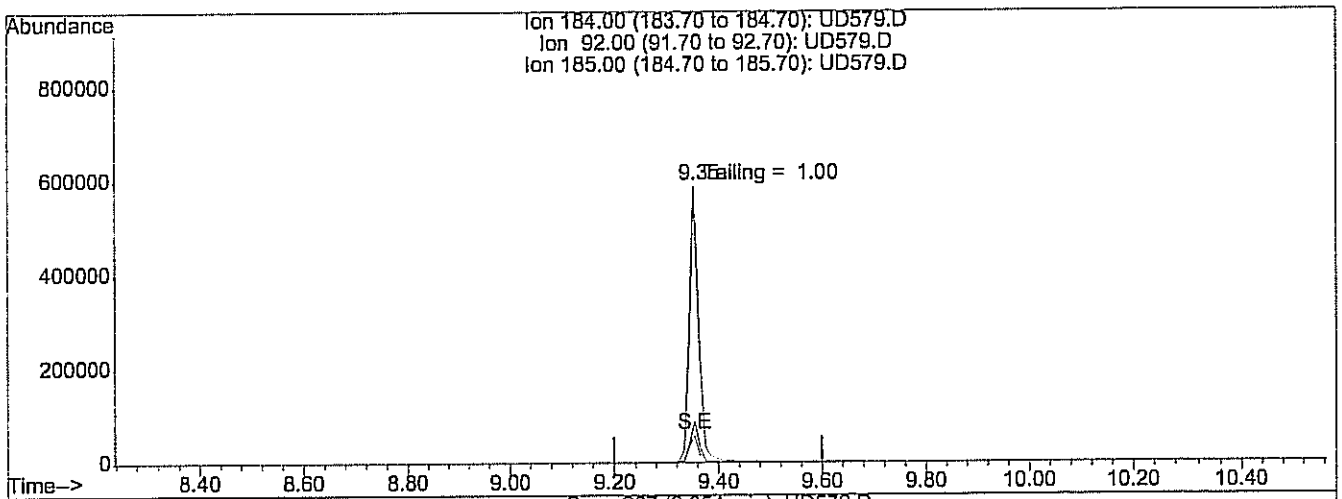
response 145080

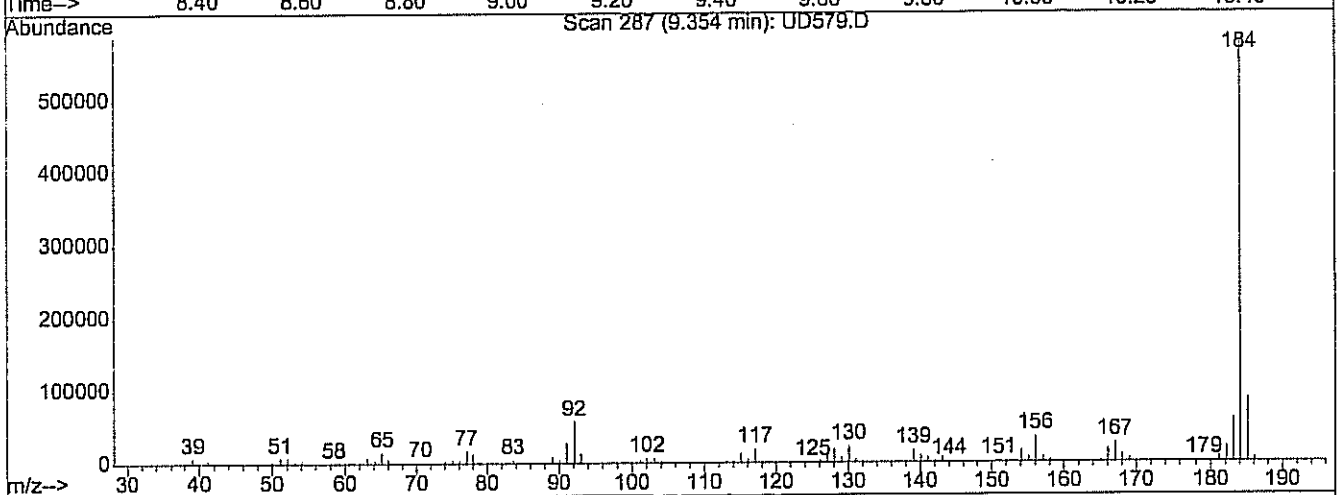
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	62.04
268.00	63.50	62.91
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\U052611\UD579.D
Acq On : 26 May 2011 9:51 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSD Tune : May 26 08:05 2011

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD579.D

(2) Benzidine (T)

9.35min 168.03ug/L

response 753823

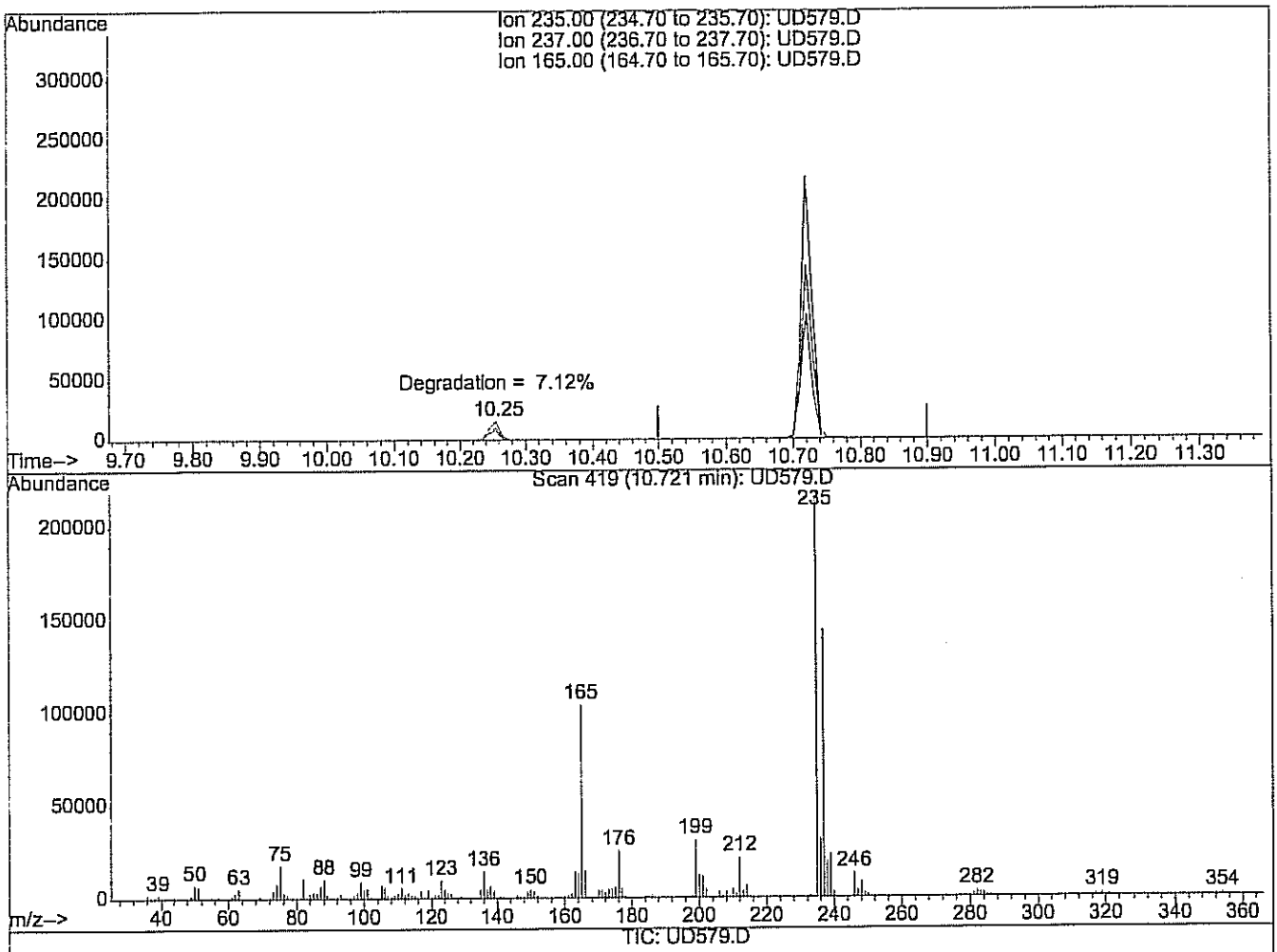
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.71
185.00	14.40	14.29
0.00	0.00	0.00

UD579.D TUNETAIL.M Thu May 26 10:07:03 2011

Data File : C:\HPCHEM\1\DATA\U052611\UD579.D
Acq On : 26 May 2011 9:51 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MS Integration Params : 0SE2P1

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.72min 55.54ug/L

response 249172

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	65.20
165.00	50.00	47.55
0.00	0.00	0.00

UD579.D TUNETAIL.M Thu May 26 10:07:10 2011

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethyl) Ether	U	250	ug/Kgdrywt	1	330	330	81.	250
2-Chlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
1,3-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	78.	250
1,4-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	86.	250
1,2-Dichlorobenzene	U	250	ug/Kgdrywt	1	330	330	88.	250
2,2'-Oxybis(1-Chloropropane)	U	250	ug/Kgdrywt	1	330	330	89.	250
2-Methylphenol	U	250	ug/Kgdrywt	1	330	330	200	250
n-Nitroso-di-n-propylamine	U	250	ug/Kgdrywt	1	330	330	83.	250
3&4-Methylphenol	U	250	ug/Kgdrywt	1	330	330	190	250
Hexachloroethane	U	250	ug/Kgdrywt	1	330	330	96.	250
Nitrobenzene	U	250	ug/Kgdrywt	1	330	330	91.	250
Isophorone	U	250	ug/Kgdrywt	1	330	330	75.	250
2-Nitrophenol	U	250	ug/Kgdrywt	1	330	330	170	250
2,4-Dimethylphenol	U	250	ug/Kgdrywt	1	330	330	160	250
Bis(2-chloroethoxy)methane	U	250	ug/Kgdrywt	1	330	330	96.	250
2,4-Dichlorophenol	U	250	ug/Kgdrywt	1	330	330	150	250
1,2,4-Trichlorobenzene	U	250	ug/Kgdrywt	1	330	330	81.	250
Naphthalene	U	250	ug/Kgdrywt	1	330	330	87.	250
4-Chloroaniline	U	250	ug/Kgdrywt	1	330	330	120	250
Hexachlorobutadiene	U	250	ug/Kgdrywt	1	330	330	83.	250
4-Chloro-3-methylphenol	U	250	ug/Kgdrywt	1	330	330	170	250
2-Methylnaphthalene	U	250	ug/Kgdrywt	1	330	330	92.	250
Hexachlorocyclopentadiene	U	250	ug/Kgdrywt	1	330	330	82.	250
2,4,6-Trichlorophenol	U	250	ug/Kgdrywt	1	330	330	160	250
2,4,5-Trichlorophenol	U	620	ug/Kgdrywt	1	820	820	160	620
2-Chloronaphthalene	U	250	ug/Kgdrywt	1	330	330	87.	250
2-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	75.	620
Dimethyl phthalate	U	250	ug/Kgdrywt	1	330	330	78.	250
2,6-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	79.	250
Acenaphthylene	U	250	ug/Kgdrywt	1	330	330	70.	250
3-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	94.	620
Acenaphthene	U	250	ug/Kgdrywt	1	330	330	65.	250
2,4-Dinitrophenol	U	620	ug/Kgdrywt	1	820	820	380	620

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibenzofuran	U	250	ug/Kgdrywt	1	330	330	79.	250
4-Nitrophenol	U	620	ug/Kgdrywt	1	820	820	310	620
2,4-Dinitrotoluene	U	250	ug/Kgdrywt	1	330	330	85.	250
Diethylphthalate	U	250	ug/Kgdrywt	1	330	330	80.	250
Fluorene	U	250	ug/Kgdrywt	1	330	330	81.	250
4-Chlorophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	78.	250
4-Nitroaniline	U	620	ug/Kgdrywt	1	820	820	130	620
4,6-Dinitro-2-methylphenol	U	620	ug/Kgdrywt	1	820	820	340	620
n-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	330	220	250
4-Bromophenyl-phenylether	U	250	ug/Kgdrywt	1	330	330	85.	250
Hexachlorobenzene	U	250	ug/Kgdrywt	1	330	330	82.	250
Pentachlorophenol	U	620	ug/Kgdrywt	1	820	820	240	620
Phenanthrene	U	250	ug/Kgdrywt	1	330	330	83.	250
Anthracene	U	250	ug/Kgdrywt	1	330	330	84.	250
Carbazole	U	250	ug/Kgdrywt	1	330	330	110	250
Di-n-butylphthalate	U	250	ug/Kgdrywt	1	330	330	100	250
Fluoranthene	U	250	ug/Kgdrywt	1	330	330	110	250
Pyrene	U	250	ug/Kgdrywt	1	330	330	100	250
Butylbenzylphthalate	U	250	ug/Kgdrywt	1	330	330	93.	250
Benzo(a)anthracene	U	250	ug/Kgdrywt	1	330	330	86.	250
3,3'-Dichlorobenzidine	U	250	ug/Kgdrywt	1	330	330	110	250
Chrysene	U	250	ug/Kgdrywt	1	330	330	95.	250
Bis(2-ethylhexyl)phthalate	J	170	ug/Kgdrywt	1	330	330	98.	250
Di-n-octylphthalate	U	250	ug/Kgdrywt	1	330	330	210	250
Benzo(b)fluoranthene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(k)fluoranthene	U	250	ug/Kgdrywt	1	330	330	83.	250
Benzo(a)pyrene	U	250	ug/Kgdrywt	1	330	330	93.	250
Indeno(1,2,3-cd)pyrene	U	250	ug/Kgdrywt	1	330	330	120	250
Dibenzo(a,h)anthracene	U	250	ug/Kgdrywt	1	330	330	130	250
Benzo(g,h,i)perylene	U	250	ug/Kgdrywt	1	330	330	100	250
2-Fluorophenol		49.3						
Phenol-d6		54.9						
Nitrobenzene-d5		53.6						
2-Fluorobiphenyl		59.8						

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91853-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-jun-2011 10:31

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4,6-Tribromophenol	*	28.1						
Terphenyl-d14		54.2						

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5848.D
Report Date: 08-Jun-2011 10:27

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5848.D
Lab Smp Id: WG91853-1 Client Smp ID: WG91853-Blank
Inj Date : 25-MAY-2011 20:49 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91853-1,SE2818
Misc Info : WG91996,WG91853,U5802,SE2818-7
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Meth Date : 04-Jun-2011 11:38 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807.D
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03000	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.332	6.321	(0.723)	529332	49.2825	1640	
$ 15 Phenol-D6	99	8.247	8.257	(0.941)	682479	54.9458	1830	
* 19 1,4-Dichlorobenzene-D4	152	8.765	8.764	(1.000)	403766	40.0000		
$ 33 Nitrobenzene-D5	82	10.058	10.068	(0.867)	260032	26.8262	894	
* 43 Naphthalene-D8	136	11.601	11.600	(1.000)	1384475	40.0000		
$ 62 2-Fluorobiphenyl	172	14.230	14.239	(0.903)	559647	29.8870	996	
* 77 Acenaphthene-D10	164	15.751	15.750	(1.000)	743920	40.0000		
$ 100 2,4,6-Tribromophenol	330	17.645	17.665	(1.120)	97326	28.1195	937	
* 114 Phenanthrene-D10	188	19.208	19.217	(1.000)	1155270	40.0000		
$ 129 Terphenyl-D14	244	23.120	23.119	(0.906)	440748	27.1264	904	
* 139 Chrysene-D12	240	25.522	25.521	(1.000)	814502	40.0000		
143 bis(2-Ethylhexyl)phthalate	149	25.936	25.945	(1.016)	80013	5.11920	171(a)	
* 150 Perylene-D12	264	28.678	28.677	(1.000)	540144	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5848.D
Report Date: 08-Jun-2011 10:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5848.D
Lab Smp Id: WG91853-1
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: WG91853-Blank
Level: LOW
Sample Type: SOIL
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\U8270C88.m
Misc Info: WG91996,WG91853,U5802,SE2818-7

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

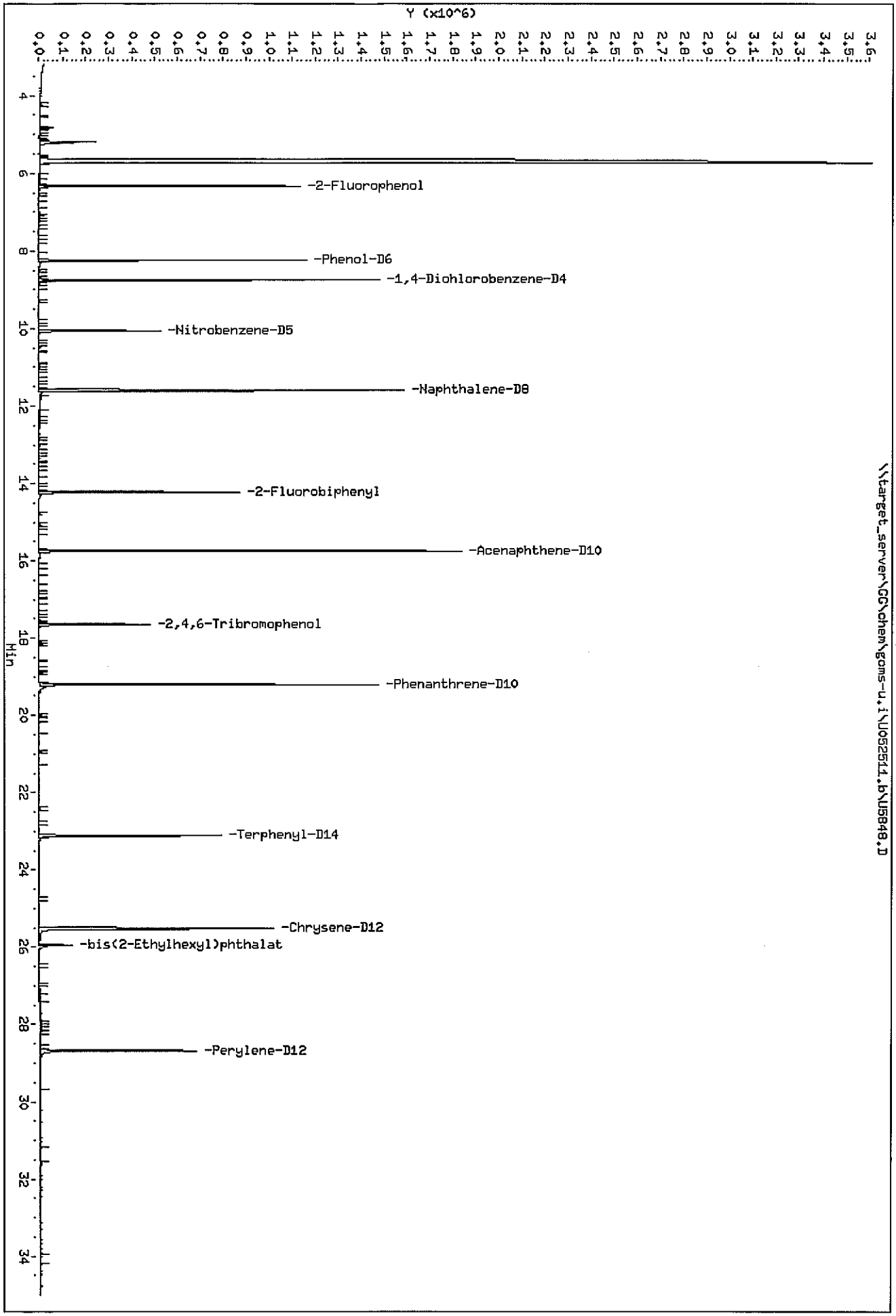
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	327345	163673	654690	403766	23.35
43 Naphthalene-D8	1261487	630744	2522974	1384475	9.75
77 Acenaphthene-D10	688599	344300	1377198	743920	8.03
114 Phenanthrene-D10	1066957	533479	2133914	1155270	8.28
139 Chrysene-D12	669261	334631	1338522	814502	21.70
150 Perylene-D12	342377	171189	684754	540144	57.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.01
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.01
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.01
114 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.05
139 Chrysene-D12	25.52	25.02	26.02	25.52	0.00
150 Perylene-D12	28.68	28.18	29.18	28.68	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-u.i\U052511.b\U5B48.D
Date : 25-MAY-2011 20:49
Client ID: WG91853-Blank
Sample Info: WG91853-1,SE2818

Instrument: gcms-u.i



Data File: \\target_server\GC\chem\goms-u.i\U052511.b\U5848.D

Date : 25-MAY-2011 20:49

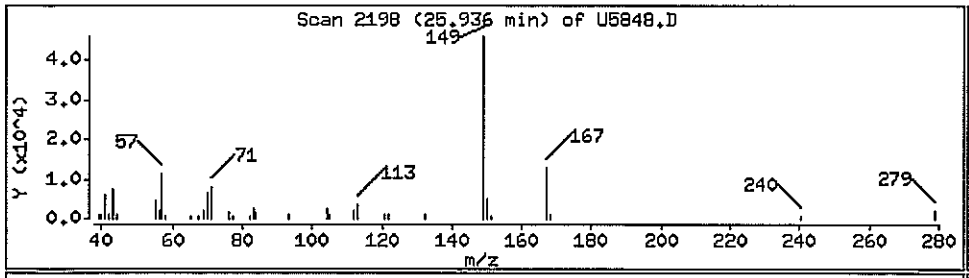
Client ID: WG91853-Blank

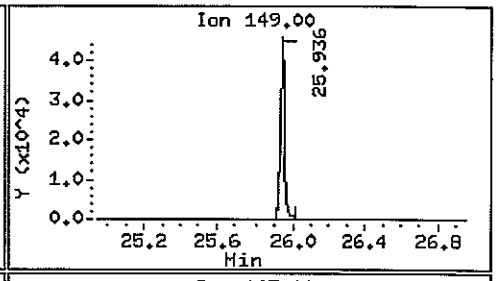
Instrument: goms-u.i

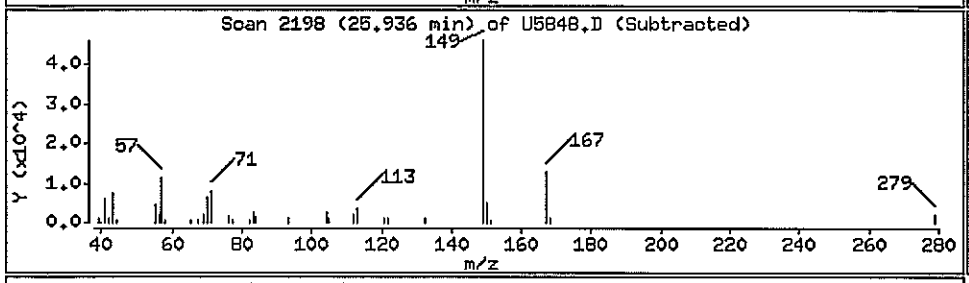
Sample Info: WG91853-1,SE2818

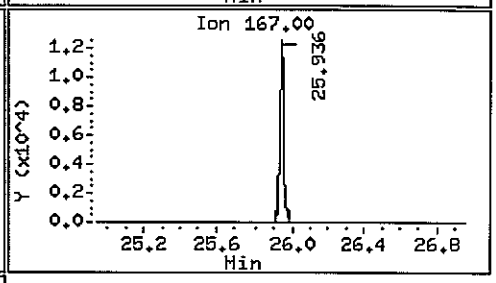
143 bis(2-Ethylhexyl)phthalate

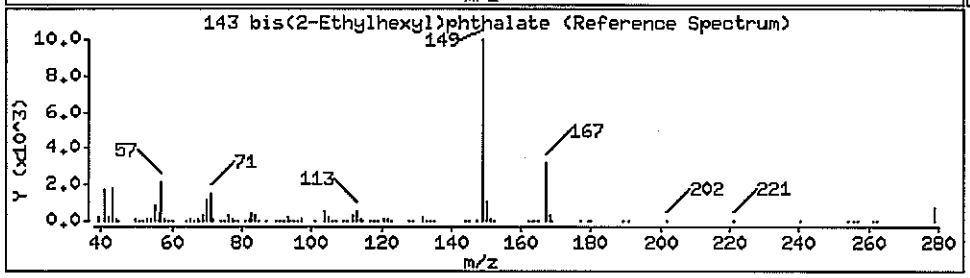
Concentration: 171 ug/Kgdrywt











Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91853-2
LCSD ID: WG91853-3
Project:
SDG: SE2818
Report Date: 08-jun-2011 15:37

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 26-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	3330	2040	61.3	1980	59.4	ug/Kgdrywt	3	30	40-100
Bis(2-Chloroethyl) Ether	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	40-105
2-Chlorophenol	3330	1990	59.8	1960	58.8	ug/Kgdrywt	2	30	45-105
1,3-Dichlorobenzene	1670	1020	61.1	998.	59.8	ug/Kgdrywt	2	30	40-100
1,4-Dichlorobenzene	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	35-105
1,2-Dichlorobenzene	1670	937.	56.1	939.	56.2	ug/Kgdrywt	0	30	45-100
2,2'-Oxybis(1-Chloropropane)	1670	966.	57.8	966.	57.8	ug/Kgdrywt	0	30	20-115
2-Methylphenol	3330	1900	57.0	1870	56.2	ug/Kgdrywt	2	30	40-105
n-Nitroso-di-n-propylamine	1670	1090	65.3	1100	65.9	ug/Kgdrywt	1	30	40-115
3&4-Methylphenol	3330	1840	55.2	1780	53.4	ug/Kgdrywt	3	30	40-105
Hexachloroethane	1670	1090	65.3	1100	65.9	ug/Kgdrywt	1	30	35-110
Nitrobenzene	1670	1100	65.9	1080	64.7	ug/Kgdrywt	2	30	40-115
Isophorone	1670	956.	57.2	979.	58.6	ug/Kgdrywt	2	30	45-110
2-Nitrophenol	3330	1990	59.8	1960	58.8	ug/Kgdrywt	2	30	40-110
2,4-Dimethylphenol	3330	1890	56.8	1880	56.4	ug/Kgdrywt	0	30	30-105
Bis(2-chloroethoxy)methane	1670	1060	63.5	1060	63.5	ug/Kgdrywt	0	30	45-110
2,4-Dichlorophenol	3330	2110	63.4	2100	63.1	ug/Kgdrywt	0	30	45-110
1,2,4-Trichlorobenzene	1670	926.	55.4	926.	55.4	ug/Kgdrywt	0	30	45-110
Naphthalene	1670	1020	61.1	1010	60.5	ug/Kgdrywt	1	30	40-105
4-Chloroaniline	1670	630.	37.7	636.	38.1	ug/Kgdrywt	1	30	10-100
Hexachlorobutadiene	1670	1040	62.3	1040	62.3	ug/Kgdrywt	0	30	40-115
4-Chloro-3-methylphenol	3330	2540	76.3	2670	80.2	ug/Kgdrywt	5	30	45-115
2-Methylnaphthalene	1670	1100	65.9	1100	65.9	ug/Kgdrywt	0	30	45-105
Hexachlorocyclopentadiene	1670	817.	48.9	770.	46.1	ug/Kgdrywt	6	30	23-107
2,4,6-Trichlorophenol	3330	2100	63.1	2120	63.7	ug/Kgdrywt	1	30	45-110
2,4,5-Trichlorophenol	3330	2160	64.9	2160	64.9	ug/Kgdrywt	0	30	50-110
2-Chloronaphthalene	1670	538.	32.2*	515.	30.8*	ug/Kgdrywt	4	30	45-105
2-Nitroaniline	1670	1310	78.4	1340	80.2	ug/Kgdrywt	2	30	45-120
Dimethyl phthalate	1670	1420	85.0	1430	85.6	ug/Kgdrywt	1	30	50-110
2,6-Dinitrotoluene	1670	1340	80.2	1380	82.6	ug/Kgdrywt	3	30	50-110
Acenaphthylene	1670	1080	64.7	1050	62.9	ug/Kgdrywt	3	30	45-105
3-Nitroaniline	1670	1040	62.3	1100	65.9	ug/Kgdrywt	6	30	25-110
Acenaphthene	1670	1110	66.5	1060	63.5	ug/Kgdrywt	5	30	45-110
2,4-Dinitrophenol	3330	1480	44.4	1580	47.4	ug/Kgdrywt	6	30	15-130
Dibenzofuran	1670	1270	76.0	1260	75.4	ug/Kgdrywt	1	30	50-105

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91853-2
LCSD ID: WG91853-3
Project:
SDG: SE2818
Report Date: 08-jun-2011 15:37

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91853

Analysis Date: 26-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
4-Nitrophenol	3330	2850	85.6	3220	96.7	ug/Kgdrywt	12	30	15-140
2,4-Dinitrotoluene	1670	1590	95.2	1690	101.	ug/Kgdrywt	6	30	50-115
Diethylphthalate	1670	1320	79.0	1410	84.4	ug/Kgdrywt	6	30	50-115
Fluorene	1670	1270	76.0	1300	77.8	ug/Kgdrywt	2	30	50-110
4-Chlorophenyl-phenylether	1670	1210	72.4	1240	74.2	ug/Kgdrywt	2	30	45-110
4-Nitroaniline	1670	971.	58.1	1170	70.0	ug/Kgdrywt	18	30	35-115
4,6-Dinitro-2-methylphenol	3330	1920	57.6	2070	62.2	ug/Kgdrywt	8	30	30-135
n-Nitrosodiphenylamine	1670	970.	58.1	957.	57.3	ug/Kgdrywt	1	30	50-115
4-Bromophenyl-phenylether	1670	1300	77.8	1310	78.4	ug/Kgdrywt	1	30	45-115
Hexachlorobenzene	1670	1130	67.7	1160	69.5	ug/Kgdrywt	3	30	45-120
Pentachlorophenol	3330	2010	60.4	2050	61.6	ug/Kgdrywt	2	30	25-120
Phenanthrene	1670	1230	73.6	1250	74.8	ug/Kgdrywt	2	30	50-110
Anthracene	1670	1190	71.2	1240	74.2	ug/Kgdrywt	4	30	55-105
Carbazole	1670	1220	73.0	1270	76.0	ug/Kgdrywt	4	30	45-115
Di-n-butylphthalate	1670	1260	75.4	1340	80.2	ug/Kgdrywt	6	30	55-110
Fluoranthene	1670	1240	74.2	1350	80.8	ug/Kgdrywt	8	30	55-115
Pyrene	1670	1440	86.2	1400	83.8	ug/Kgdrywt	3	30	45-125
Butylbenzylphthalate	1670	1390	83.2	1430	85.6	ug/Kgdrywt	3	30	50-125
Benzo(a)anthracene	1670	1300	77.8	1320	79.0	ug/Kgdrywt	2	30	50-110
3,3'-Dichlorobenzidine	1670	625.	37.4	701.	42.0	ug/Kgdrywt	11	30	10-130
Chrysene	1670	1400	83.8	1420	85.0	ug/Kgdrywt	1	30	55-110
Bis(2-ethylhexyl)phthalate	1670	1540	92.2	1900	114.	ug/Kgdrywt	21	30	45-125
Di-n-octylphthalate	1670	1520	91.0	1520	91.0	ug/Kgdrywt	0	30	40-130
Benzo(b)fluoranthene	1670	1440	86.2	1380	82.6	ug/Kgdrywt	4	30	45-115
Benzo(k)fluoranthene	1670	1370	82.0	1400	83.8	ug/Kgdrywt	2	30	45-125
Benzo(a)pyrene	1670	1430	85.6	1420	85.0	ug/Kgdrywt	1	30	50-110
Indeno(1,2,3-cd)pyrene	1670	1080	64.7	1240	74.2	ug/Kgdrywt	14	30	40-120
Dibenzo(a,h)anthracene	1670	1170	70.0	1320	79.0	ug/Kgdrywt	12	30	40-125
Benzo(g,h,i)perylene	1670	1210	72.4	1310	78.4	ug/Kgdrywt	8	30	40-125
2-Fluorophenol			56.6		55.5				35-105
Phenol-d6			61.2		59.6				40-100
Nitrobenzene-d5			56.2		55.7				35-100
2-Fluorobiphenyl			52.8		51.1				45-105
2,4,6-Tribromophenol			73.0		78.4				35-125
Terphenyl-d14			76.8		77.3				30-125

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5864.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5864.D
Lab Smp Id: WG91853-2 Client Smp ID: WG91853-LCS
Inj Date : 26-MAY-2011 19:31 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91853-2,SE2818
Misc Info : WG92579,WG91853,U5854,SE2818-7
Comment : GPC
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 15:50 Cal File: U5859.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03000	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.340	6.331	(0.724)	583143	56.6191	1890	
$ 15 Phenol-D6	99	8.265	8.277	(0.943)	732415	61.2267	2040	
16 Phenol	94	8.285	8.308	(0.946)	728169	61.0826	2040	
14 Bis(2-Chloroethyl)ether	93	8.368	8.380	(0.955)	307116	31.8913	1060	
17 2-Chlorophenol	128	8.410	8.422	(0.960)	605804	59.7835	1990	
18 1,3-Dichlorobenzene	146	8.679	8.680	(0.991)	344171	30.5449	1020	
* 19 1,4-Dichlorobenzene-D4	152	8.762	8.763	(1.000)	342145	40.0000		
20 1,4-Dichlorobenzene	146	8.793	8.805	(1.004)	352051	31.8090	1060	
21 1,2-Dichlorobenzene	146	9.186	9.198	(1.048)	314210	28.1074	937	
25 2-Methylphenol	108	9.527	9.550	(1.087)	496553	56.9104	1900	
23 2,2'-Oxybis(1-chloropropane)	45	9.517	9.529	(1.086)	385471	28.9795	966	
32 3&4-Methylphenol	108	9.869	9.922	(1.126)	518435	55.2281	1840	
29 N-Nitroso-di-n-propylamine	70	9.848	9.902	(1.124)	184881	32.8172	1090	
30 Hexachloroethane	117	9.838	9.840	(1.123)	130998	32.7944	1090	
$ 33 Nitrobenzene-D5	82	10.055	10.088	(0.867)	273625	28.1039	937	
34 Nitrobenzene	77	10.097	10.129	(0.871)	310681	32.8970	1100	
36 Isophorone	82	10.656	10.668	(0.919)	501309	28.6929	956	
37 2-Nitrophenol	139	10.821	10.844	(0.933)	343669	59.6711	1990	
38 2,4-Dimethylphenol	107	11.028	11.061	(0.951)	472920	56.7235	1890	
40 Bis(2-Chloroethoxy)methane	93	11.235	11.247	(0.969)	370191	31.6763	1060	
41 2,4-Dichlorophenol	162	11.370	11.402	(0.980)	492728	63.2405	2110	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5864.D
Report Date: 08-Jun-2011 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW
42 1,2,4-Trichlorobenzene	180	11.525	11.537	(0.994)	288789	27.7960	926	
* 43 Naphthalene-D8	136	11.597	11.609	(1.000)	1257161	40.0000		
45 Naphthalene	128	11.639	11.651	(1.004)	838410	30.5014	1020	
47 4-Chloroaniline	127	11.908	11.930	(1.027)	235948	18.9051	630	
49 Hexachlorobutadiene	225	12.105	12.117	(1.044)	152035	31.3135	1040	
56 4-Chloro-3-Methylphenol	107	13.140	13.183	(1.133)	490440	76.0593	2540(Q)	
55 2-Methylnaphthalene	142	13.253	13.276	(1.143)	600418	33.1741	1100	
58 Hexachlorocyclopentadiene	237	13.812	13.824	(0.877)	129036	24.4984	817	
61 2,4,6-Trichlorophenol	196	14.050	14.083	(0.892)	349935	63.0492	2100	
63 2,4,5-Trichlorophenol	196	14.144	14.176	(0.898)	399118	64.8573	2160	
$ 62 2-Fluorobiphenyl	172	14.226	14.249	(0.903)	531196	26.3960	880	
64 2-Chloronaphthalene	162	14.382	14.414	(0.913)	492341	16.1369	538(R)	
69 2-Nitroaniline	65	14.816	14.849	(0.941)	176255	39.2913	1310	
72 Dimethyl Phthalate	163	15.365	15.408	(0.976)	604570	42.6015	1420	
74 Acenaphthylene	152	15.365	15.387	(0.976)	796620	32.5529	1080	
75 2,6-Dinitrotoluene	165	15.499	15.543	(0.984)	159588	40.2856	1340	
* 77 Acenaphthene-D10	164	15.748	15.750	(1.000)	632703	40.0000		
79 3-Nitroaniline	138	15.810	15.853	(1.004)	119520	31.2248	1040	
78 Acenaphthene	153	15.810	15.843	(1.004)	526504	33.2822	1110	
80 2,4-Dinitrophenol	184	16.038	16.101	(1.018)	93616	44.5160	1480	
88 4-Nitrophenol	139	16.338	16.391	(1.037)	229855	85.4307	2850(Q)	
82 Dibenzofuran	168	16.193	16.215	(1.028)	782174	38.0706	1270	
83 2,4-Dinitrotoluene	165	16.410	16.464	(1.042)	206396	47.6173	1590	
89 Diethylphthalate	149	17.052	17.085	(1.083)	660123	39.6712	1320	
91 4-Chlorophenyl-phenylether	204	17.083	17.095	(1.085)	295547	36.2502	1210	
90 Fluorene	166	17.011	17.033	(1.080)	621687	38.2059	1270	
94 4-Nitroaniline	138	17.280	17.343	(1.097)	100157	29.1381	971	
95 4,6-Dinitro-2-Methylphenol	198	17.352	17.406	(0.904)	189270	57.6920	1920	
96 N-Nitrosodiphenylamine	169	17.414	17.447	(0.907)	441218	29.1054	970	
$ 100 2,4,6-Tribromophenol	330	17.652	17.675	(1.121)	174429	73.0415	2430	
104 4-Bromophenyl-phenylether	248	18.222	18.234	(0.949)	188343	38.9133	1300	
105 Hexachlorobenzene	284	18.501	18.523	(0.963)	192354	33.9132	1130	
111 Pentachlorophenol	266	18.977	19.020	(0.988)	207440	60.2686	2010	
* 114 Phenanthrene-D10	188	19.205	19.217	(1.000)	1026291	40.0000		
115 Phenanthrene	178	19.257	19.289	(1.003)	937770	36.7936	1230	
117 Anthracene	178	19.350	19.393	(1.008)	924569	35.8414	1190	
119 Carbazole	167	19.826	19.859	(1.032)	766699	36.6518	1220	
121 Di-n-butylphthalate	149	20.933	20.945	(1.090)	1125358	37.7405	1260	
126 Fluoranthene	202	22.082	22.105	(1.150)	860763	37.1803	1240	
128 Pyrene	202	22.589	22.612	(0.886)	901552	43.2746	1440	
$ 129 Terphenyl-D14	244	23.117	23.129	(0.906)	473130	38.4281	1280	
135 Butylbenzylphthalate	149	24.463	24.475	(0.959)	433956	41.7375	1390	
* 139 Chrysene-D12	240	25.508	25.530	(1.000)	681750	40.0000		
140 3,3'-Dichlorobenzidine	252	25.570	25.582	(1.002)	78665	18.7408	625	
138 Benzo(a)anthracene	228	25.467	25.489	(0.998)	630050	38.9720	1300	
141 Chrysene	228	25.570	25.593	(1.002)	620167	42.1096	1400	
143 bis(2-Ethylhexyl)phthalate	149	25.932	25.944	(1.017)	664171	46.0541	1540	
145 Di-n-octylphthalate	149	27.319	27.331	(0.953)	936477	45.5699	1520	
147 Benzo(b)fluoranthene	252	27.889	27.921	(0.973)	518059	43.1200	1440	
148 Benzo(k)fluoranthene	252	27.940	27.973	(0.974)	530147	41.1399	1370	
149 Benzo(a)pyrene	252	28.541	28.573	(0.995)	457552	43.0225	1430	
* 150 Perylene-D12	264	28.675	28.677	(1.000)	495183	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.932	30.964	(1.079)	260117	32.3431	1080	
154 Dibenzo(a,h)anthracene	278	31.004	31.037	(1.081)	292137	35.1975	1170	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5864.D
Report Date: 08-Jun-2011 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
155 Benzo(g,h,i)perylene	276	31.573	31.616	(1.101)	340156	36.2287	1210	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5864.D
Report Date: 08-Jun-2011 11:55

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5864.D
Lab Smp Id: WG91853-2
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 26-MAY-2011
Calibration Time: 12:06
Client Smp ID: WG91853-LCS
Level: LOW
Sample Type: SOIL

Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: WG92579,WG91853,U5854,SE2818-7

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

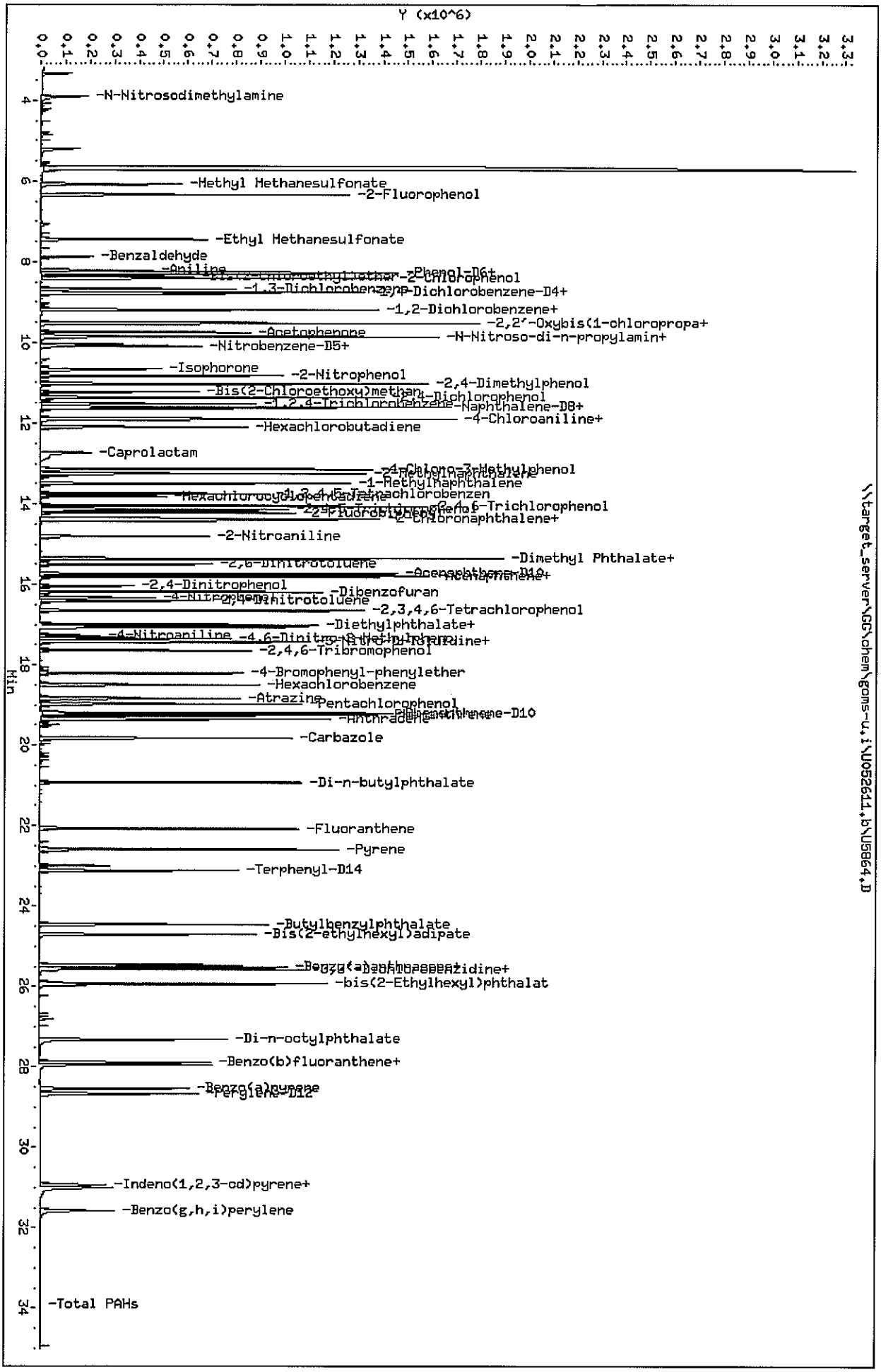
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	305135	152568	610270	342145	12.13
43 Naphthalene-D8	1029934	514967	2059868	1257161	22.06
77 Acenaphthene-D10	430934	215467	861868	632703	46.82
114 Phenanthrene-D10	553474	276737	1106948	1026291	85.43
139 Chrysene-D12	401451	200726	802902	681750	69.82
150 Perylene-D12	347561	173781	695122	495183	42.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.01
43 Naphthalene-D8	11.60	11.10	12.10	11.60	0.01
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.01
114 Phenanthrene-D10	19.20	18.70	19.70	19.21	0.00
139 Chrysene-D12	25.51	25.01	26.01	25.51	0.00
150 Perylene-D12	28.66	28.16	29.16	28.68	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\goms-u.i\U052611.b\U5864.D
Date : 26-MAY-2011 19:31
Client ID: WG91853-LCS
Sample Info: WG91853-2,SE2818
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: goms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5865.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052611.b\U5865.D
Lab Smp Id: WG91853-3 Client Smp ID: WG91853-LCSD
Inj Date : 26-MAY-2011 20:15 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91853-3,SE2818
Misc Info : WG92579,WG91853,U5854,SE2818-7
Comment : GPC
Method : \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Meth Date : 27-May-2011 08:21 gcms-u.i Quant Type: ISTD
Cal Date : 26-MAY-2011 15:50 Cal File: U5859.D
Als bottle: 13 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: osageljsite6wc.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03000	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kgdrywt)	REVIEW (
$ 8 2-Fluorophenol	112	6.338	6.331	(0.724)	636542	55.5429	1850	
$ 15 Phenol-D6	99	8.264	8.277	(0.943)	793790	59.6353	1990	
16 Phenol	94	8.295	8.308	(0.947)	787622	59.3768	1980	
14 Bis(2-Chloroethyl)ether	93	8.367	8.380	(0.955)	342068	31.9224	1060	
17 2-Chlorophenol	128	8.408	8.422	(0.960)	664450	58.9285	1960	
18 1,3-Dichlorobenzene	146	8.678	8.680	(0.991)	375541	29.9527	998	
* 19 1,4-Dichlorobenzene-D4	152	8.760	8.763	(1.000)	380712	40.0000		
20 1,4-Dichlorobenzene	146	8.791	8.805	(1.004)	390466	31.7060	1060	
21 1,2-Dichlorobenzene	146	9.185	9.198	(1.048)	350344	28.1743	939	
25 2-Methylphenol	108	9.526	9.550	(1.087)	545629	56.2001	1870	
23 2,2'-Oxybis(1-chloropropane)	45	9.516	9.529	(1.086)	428858	28.9751	966	
32 3&4-Methylphenol	108	9.868	9.922	(1.126)	558287	53.4487	1780	
29 N-Nitroso-di-n-propylamine	70	9.857	9.902	(1.125)	206789	32.9875	1100	
30 Hexachloroethane	117	9.837	9.840	(1.123)	146703	33.0056	1100	
$ 33 Nitrobenzene-D5	82	10.064	10.088	(0.868)	301649	27.8678	929	
34 Nitrobenzene	77	10.106	10.129	(0.871)	338654	32.2543	1080	
36 Isophorone	82	10.665	10.668	(0.920)	570566	29.3741	979	
37 2-Nitrophenol	139	10.830	10.844	(0.934)	376362	58.7786	1960	
38 2,4-Dimethylphenol	107	11.027	11.061	(0.951)	523605	56.4897	1880	
40 Bis(2-Chloroethoxy)methane	93	11.234	11.247	(0.969)	412649	31.7599	1060	
41 2,4-Dichlorophenol	162	11.369	11.402	(0.980)	547256	63.1784	2100	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5865.D
Report Date: 08-Jun-2011 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kgdrywt)	REVIEW
42 1,2,4-Trichlorobenzene	180	11.524	11.537	(0.994)	320857	27.7750	926	
* 43 Naphthalene-D8	136	11.596	11.609	(1.000)	1397657	40.0000		
45 Naphthalene	128	11.638	11.651	(1.004)	928362	30.3563	1010	
47 4-Chloroaniline	127	11.907	11.930	(1.027)	264292	19.0937	636	
49 Hexachlorobutadiene	225	12.103	12.117	(1.044)	168794	31.2706	1040	
56 4-Chloro-3-Methylphenol	107	13.149	13.183	(1.134)	574279	80.1087	2670(Q)	
55 2-Methylnaphthalene	142	13.252	13.276	(1.143)	665198	33.0406	1100	
58 Hexachlorocyclopentadiene	237	13.811	13.824	(0.877)	141247	23.1099	770	
61 2,4,6-Trichlorophenol	196	14.049	14.083	(0.892)	410489	63.7363	2120	
63 2,4,5-Trichlorophenol	196	14.142	14.176	(0.898)	462946	64.8308	2160	
$ 62 2-Fluorobiphenyl	172	14.225	14.249	(0.903)	599467	25.5458	852	
64 2-Chloronaphthalene	162	14.391	14.414	(0.914)	551819	15.4593	515(R)	
69 2-Nitroaniline	65	14.815	14.849	(0.941)	209486	40.2442	1340	
72 Dimethyl Phthalate	163	15.364	15.408	(0.976)	705278	42.8632	1430	
74 Acenaphthylene	152	15.364	15.387	(0.976)	900350	31.5696	1050	
75 2,6-Dinitrotoluene	165	15.509	15.543	(0.985)	190216	41.3800	1380	
* 77 Acenaphthene-D10	164	15.747	15.750	(1.000)	734187	40.0000		
79 3-Nitroaniline	138	15.809	15.853	(1.004)	146921	33.0778	1100	
78 Acenaphthene	153	15.819	15.843	(1.005)	590212	31.9247	1060	
80 2,4-Dinitrophenol	184	16.047	16.101	(1.019)	116974	47.4563	1580	
88 4-Nitrophenol	139	16.347	16.391	(1.038)	301222	96.4806	3220(Q)	
82 Dibenzofuran	168	16.192	16.215	(1.028)	903430	37.8944	1260	
83 2,4-Dinitrotoluene	165	16.419	16.464	(1.043)	255696	50.8371	1690(R)	
89 Diethylphthalate	149	17.061	17.085	(1.083)	806533	42.2674	1410	
91 4-Chlorophenyl-phenylether	204	17.082	17.095	(1.085)	350610	37.2522	1240	
90 Fluorene	166	17.009	17.033	(1.080)	738813	39.1279	1300	
94 4-Nitroaniline	138	17.289	17.343	(1.098)	140210	35.1522	1170	
95 4,6-Dinitro-2-Methylphenol	198	17.361	17.406	(0.904)	244718	62.1072	2070	
96 N-Nitrosodiphenylamine	169	17.413	17.447	(0.907)	522667	28.7070	957	
$ 100 2,4,6-Tribromophenol	330	17.651	17.675	(1.121)	217320	78.4231	2610	
104 4-Bromophenyl-phenylether	248	18.220	18.234	(0.949)	228638	39.3314	1310	
105 Hexachlorobenzene	284	18.500	18.523	(0.963)	236822	34.7641	1160	
111 Pentachlorophenol	266	18.976	19.020	(0.988)	254278	61.5106	2050	
* 114 Phenanthrene-D10	188	19.204	19.217	(1.000)	1232617	40.0000		
115 Phenanthrene	178	19.255	19.289	(1.003)	1146016	37.4377	1250	
117 Anthracene	178	19.359	19.393	(1.008)	1150997	37.1502	1240	
119 Carbazole	167	19.835	19.859	(1.033)	954731	38.0009	1270	
121 Di-n-butylphthalate	149	20.932	20.945	(1.090)	1434994	40.0691	1340	
126 Fluoranthene	202	22.081	22.105	(1.150)	1123207	40.3954	1350	
128 Pyrene	202	22.588	22.612	(0.885)	1166513	41.8593	1400	
$ 129 Terphenyl-D14	244	23.116	23.129	(0.906)	636729	38.6620	1290	
135 Butylbenzylphthalate	149	24.462	24.475	(0.959)	597082	42.9314	1430	
* 139 Chrysene-D12	240	25.517	25.530	(1.000)	911937	40.0000		
140 3,3'-Dichlorobenzidine	252	25.569	25.582	(1.002)	118125	21.0382	701	
138 Benzo(a)anthracene	228	25.476	25.489	(0.998)	859919	39.7645	1320	
141 Chrysene	228	25.569	25.593	(1.002)	839396	42.6088	1420	
143 bis(2-Ethylhexyl)phthalate	149	25.931	25.944	(1.016)	1097182	56.8758	1900(R)	
145 Di-n-octylphthalate	149	27.318	27.331	(0.953)	1306239	45.7173	1520	
147 Benzo(b)fluoranthene	252	27.898	27.921	(0.973)	692861	41.4785	1380	
148 Benzo(k)fluoranthene	252	27.950	27.973	(0.975)	755273	42.1549	1400	
149 Benzo(a)pyrene	252	28.550	28.573	(0.996)	632211	42.7558	1420	
* 150 Perylene-D12	264	28.674	28.677	(1.000)	688476	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.941	30.964	(1.079)	415062	37.1195	1240	
154 Dibenzo(a,h)anthracene	278	31.013	31.037	(1.082)	458086	39.6963	1320	

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5865.D
Report Date: 08-Jun-2011 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kgdrywt)	REVIEW (
155 Benzo(g,h,i)perylene	276	31.582	31.616	(1.101)	511589	39.1897	1310	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\GG\chem\gcms-u.i\U052611.b\U5865.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5865.D
Lab Smp Id: WG91853-3
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Calibration Date: 26-MAY-2011
Calibration Time: 12:06
Client Smp ID: WG91853-LCSD
Level: LOW
Sample Type: SOIL
Method File: \\target_server\GG\chem\gcms-u.i\U052611.b\U8270C89.m
Misc Info: WG92579,WG91853,U5854,SE2818-7

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

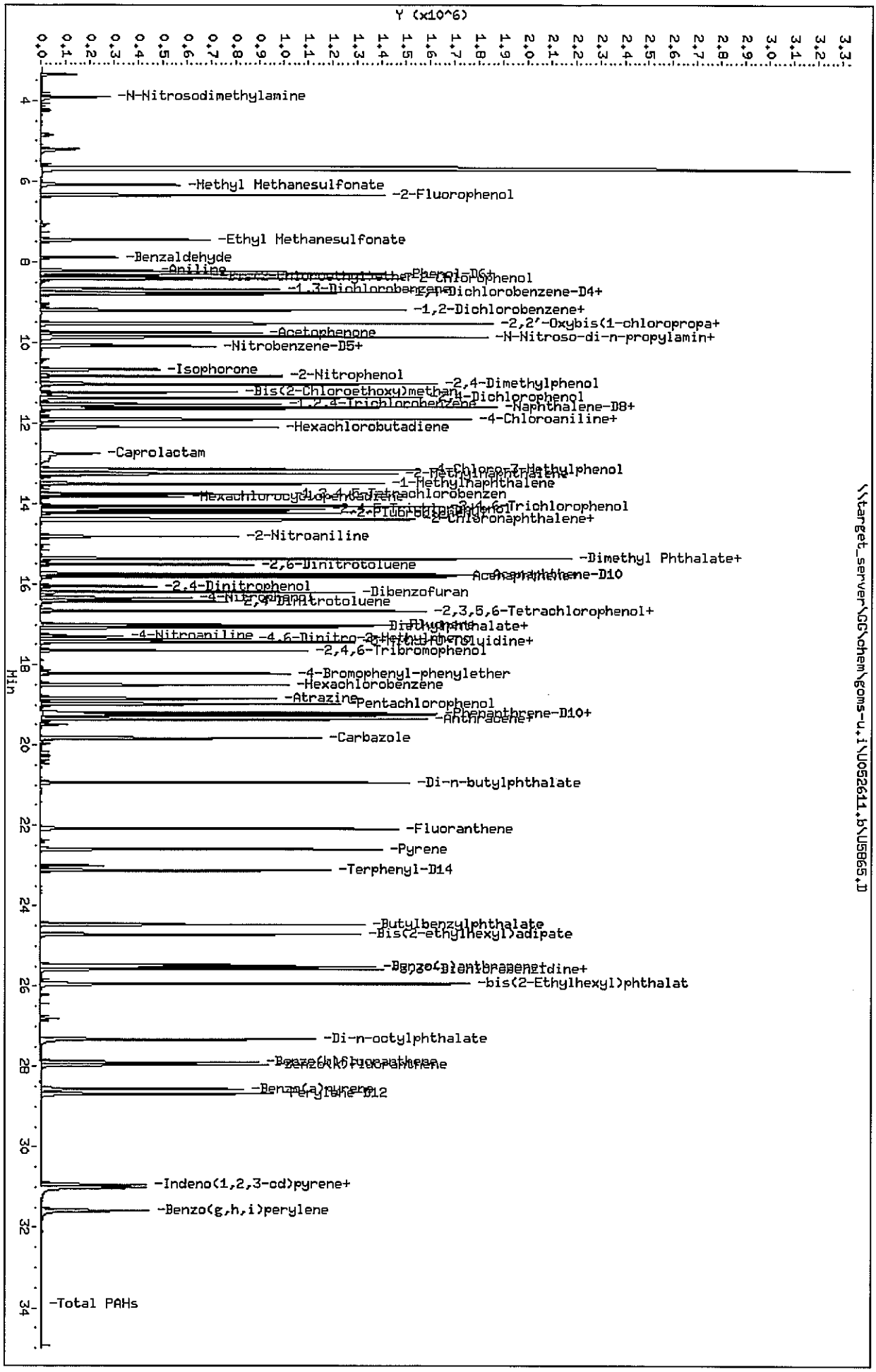
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF	
19 1,4-Dichlorobenze	305135	152568	610270	380712	24.77	
43 Naphthalene-D8	1029934	514967	2059868	1397657	35.70	
77 Acenaphthene-D10	430934	215467	861868	734187	70.37	
114 Phenanthrene-D10	553474	276737	1106948	1232617	122.71	<-
139 Chrysene-D12	401451	200726	802902	911937	127.16	<-
150 Perylene-D12	347561	173781	695122	688476	98.09	

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
19 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.00
43 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.00
77 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.00
114 Phenanthrene-D10	19.20	18.70	19.70	19.20	-0.00
139 Chrysene-D12	25.51	25.01	26.01	25.52	0.04
150 Perylene-D12	28.66	28.16	29.16	28.67	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-u.i\U052611.b\U5865.D
Date : 26-MAY-2011 20:15
Client ID: WG91853-LCSD
Sample Info: WG91853-3,SE2818
Volume Injected (uL): 1.0
Column phase: ZB5-MS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Logbooks and Supporting Documents

DATE OF DFTPP INJECTION: 052311

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
	50 ng DFTPP	UD57L	1	1	DFTPP390	2.0	JWS	OK
	SSTD050U0523	UF8020(a)		2	UF8070C88	1.0		✓ (a) = UFCCP88 fil
	010	03(a)		3				✓
	025	04(a)		4				✓
	075	05(a)		5				✓
	100	06(a)		6				✓
	125	07(a)		7				✓
	8270 WQ CHK	08(a)		8				OK
3520	WG91696-1	09		9				1564
35/10	WG91785-2	10		10				OK
	-3	11		11				OK
	SE2525-SE2	12		12				SS 3,4,5 ↑
	SE2654-1	13		13				OK
	-4	14		14				OK
	SE2654-1	15		15				OK
	-3	16		16				SS1,2 ↓
	SE2690-1	17		17				SS1,2,5 ↓
	-4	18		18				DOC

JWS 5/24/11

STANDARD	CODE
DFTPP	51935
CAL. STD.	51941 SSK4383
IS MIX	SSK4366

REVIEWED AND APPROVED BY: _____
DATE: _____

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

DATE OF DFTPP INJECTION: 052511

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
	50ng DFTPP	U0578	1	1	DFTPP350	2.0	JLM	OK WG91996
	SSTD050U0525	U5831(a)		2	U8270C88	1.0		OK (a) = UTCL088 files
3510	WG91918-1	36(a)		3				OK
	-2	37(a)		4				OK
	-3	38(a)		5				OK
3550	SE2818-9	39		6				OK 555↓
	-13	40		7				OK DC1:2
	-7	41		8				OK
	-11	42		9				OK
3510	-6	43		10	TCLP			OK
	-8	44		11				OK
	-10	45		12				OK
	-12	46		13				OK ~~PAF~~
	WG91918-6	47		14				OK PAF1012A
3550	WG91853-1	48		15				OK
	SE2818-13DL	49	2	16	~~TCLP~~ JL			OK 100/200
3510	SE2815-3	50	1	17				OK
	-1	51		18				553↓ 00C
	GPC MK 5/20	52		19				—
	5/23	53		20				—

STANDARD	CODE
DFTPP	51935
CAL. STD.	51941 SPK4383
IS MIX	SPK43166

JLM 052611

REVIEWED AND APPROVED BY:
DATE:

DATE OF DFTPP INJECTION: 052611

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
	50 ng DFTPP	UD579	1	1	DFTPP 3510	2.0	JM	OK WG92579
	SSHD050U0526	U5859(a)		2	U8270C89	1.0		✓ (a) = UTCUP89
	050	55(a)		3				✓
	025	56(a)		4				✓
	075	57(a)		5				✓
	100	58(a)		6				✓
	125	59(a)		7				✓
	8270 IND CHK	60(a)		8				OK
3510	WG91952-1	61		9				154-6↑
	-2	62		10				OK
	-3	63		11				154,5↑
3550	WG91853-2	64		12				OK
	-3	65		13				154,5↑
3510	SE2659-3 RE	66		14				OK
	SE2590-1 RE	67		15				154 5↑ 551,2,5↑
	-4	68		16				154,5↑
	SE2590-3 RE	69		17				OK
	SE2815-1	70		18				OOC 553↓

STANDARD	CODE
DFTPP	51935
CAL. STD.	51941 STK4383
IS MIX	STK4367

REVIEWED AND APPROVED BY: _____
DATE: _____

SW052711

SV
SOW

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL SEMIVOLATILE

Extraction Method: (check one)	SW846 3550 (SONIC.) ✓	SW846 3540 (SOX)	SW846 3545 (ASE)
	SW846 3580 (OIL / WIPES)	OTHER	
Analytical Method: (check one)	SW846 8270 ✓	OTHER	
Standards	Surrogate ID (1): SV2457	Spike ID (1): SV2456	Spike ID (3):
	Surrogate ID (2):	Spike ID (2):	
Solvents / Chemicals / Consumables	Solvent Lot # (Mecl2): K16E11	Solvent Lot # (Acetone): K13E23	Sodium Sulfate (granular) Lot # 27961002
	Filter Paper Lot # (SON) F0022556	Filter Paper Lot # (KD) F001444	Sodium Sulfate (powder) Lot # 27971001
Misc.	Nitrogen Bath Temperature: 35°C	Sonicator Horns Tuned: C20-2	Balance ID: Mettler PJ400

Start 7:30 End 8:35

Ext. Date	Ext. Init.	Sample ID	Initial Weight (g)	Surr. Vol. (mL)	Spk. Vol. (mL)	Fraction Acid	Fraction Base	Pre-GPC Date Conc.	Pre-GPC Conc. Init.	Pre-GPC Final Vol. (mL)	Post-GPC Date Conc.	Post-GPC Conc. Init.	Post-GPC Final Vol. (mL)	Tray Loc.	Comments
5-23-11	WJ	W6-912531	29.96	1mL	NA	✓		5-23-11	KF	5mL	6-24-11	KF	1mL	SV636 C7	R159848
		-2	30.01		1mL									C8	
		-3	30.00											C9	
												KF	5-24-11		

QAEX197 EX-008 - Revision 1 - 12/20/2009 0000149

Ext. Date	Ext. Init.	Sample ID	Initial Weight (g)	Surr. Vol. (mL)	Spk. Vol. (mL)	Fraction Acid	Fraction Base	Pre-GPC Date Conc.	Pre-GPC Conc. Init.	Pre-GPC Final Vol. (mL)	Post-GPC Date Conc.	Post-GPC Conc. Init.	Post-GPC Final Vol. (mL)	Tray Loc.	Comments
5-23-11	WJ	SE 2812-7b	30.12	1mL	NA	✓		5-23-11	KF	5mL	5-24-11	KF	1mL	C10	
		-9b	30.18											D1	
		-11b	30.80											D2	
		-13b	30.55											D3	
		GPC	Blank			5-23-11								D4	
												KF	5-24-11		

QAEX197 EX-008 - Revision 1 - 12/20/2009 0000150

Reviewed By_____ Date_____

Katahdin Analytical Services
GPC Logbook

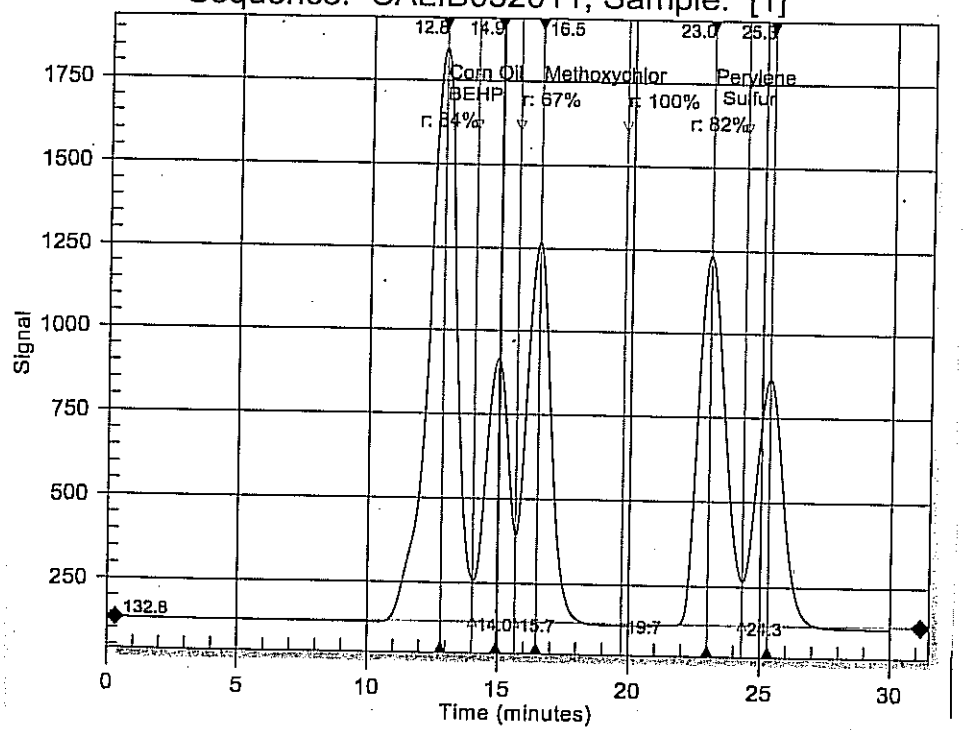
Analytical Method: (check one)	SW846 8081	SW846 8082	SW846 8270	OLM04.3
MeCl2 Lot #: K16E11		Flow: 5.0 ml/min, set at 4.7 ml/min.		
GPC Dump Time: 30.0		GPC Collect Time: —		

Tray Pos. No.	Sample Identification	Date Extracted	Extract Vol.	GPC Init.	Date GPC Started	GPC Inj. Vol.	Comments
1	GPC Calib STD	—	—	KF	5-20-11	5ml	
2							
3	Restek Cal STD3828						
4							
5							
6	Lot # A080814						
7							
8	Cat # 32041						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20					KF	5-20-11	
21							
22							

Katahdin Analytical Services
GPC Logbook

Tray Pos.		Date Extracted	Extract Vol.	GPC Init.	Date GPC Started	GPC Inj. Vol.	Comments

Sequence: CALIB052011, Sample: [1]



Reviewed by: SV Dump: 14.0 Collect: 10.3

Review Date: P/P Dump: 15.7 ~~Collect~~ collect: 8.6 KF 5/20

Katahdin Analytical Services 2000257

Katahdin Analytical Services
GPC Logbook

Analytical Method: (check one)	SW846 8081	SW846 8082	SW846 8270 ✓	OLM04.3
MeCl2 Lot #: K16E11		Flow: 5.0 ml/min, set at 4.7 ml/min.		
GPC Dump Time: 14.0		GPC Collect Time: 10.3		

Tray Pos. No.	Sample Identification	Date Extracted	Extract Vol.	GPC Init.	Date GPC Started	GPC Inj. Vol.	Comments
1	GPC Blank	-	-	KF	5-23-11	1	SVOA
2	WG91853 - 1	5-23-11	5mL				
3	-2						
4	-3						
5	SE2818 - 7						
6	-9						
7	-11						
8	-13						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22						KF	5-23-11

Katahdin Analytical Services
GPC Logbook

Tray Pos. No.	Sample Identification	Date Extracted	Extract Vol.	GPC Init.	Date GPC Started	GPC Inj. Vol.	Comments
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42					KF	5-23-11	
43							

Reviewed by: Review Date:

Katahdin Analytical Services 2000258

PCB DATA

QC Summary Section

FORM 2

SOIL PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG91852-BLANK	WG91852-1	74	63	72	62			0
02	WG91852-LCS	WG91852-2	100	87	100	86			0
03	WG91852-LCSD	WG91852-3	99	86	105	89			0
04	SITE6-IDW-2117	SE2818-6	30*	48*	61	76			2
05	SITE6-IDW-5526	SE2818-8	55*	48*	49*	68			3
06	SITE6-IDW-782	SE2818-10	52*	60	48*	62			2
07	SITE6-IDW-954	SE2818-12	57	57	41*	58*			2
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (56-115)
S2 (DCB) = Decachlorobiphenyl (60-125)

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

FORM II PCB-2

FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91852-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91852-1 Lab File ID: 8EE10181

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 05/23/11

Date Analyzed (1): 05/23/11 Date Analyzed (2): 05/23/11

Time Analyzed (1): 1119 Time Analyzed (2): 1119

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): ZB-MULTIRESIDUE1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG91852-LCS	WG91852-2	8EE10182	05/23/11	05/23/11
02	WG91852-LCSD	WG91852-3	8EE10183	05/23/11	05/23/11
03	SITE6-IDW-2117	SE2818-6	8EE10193	05/23/11	05/23/11
04	SITE6-IDW-5526	SE2818-8	8EE10194	05/23/11	05/23/11
05	SITE6-IDW-782	SE2818-10	8EE10195	05/23/11	05/23/11
06	SITE6-IDW-954	SE2818-12	8EE10196	05/23/11	05/23/11
07					
08					
09					
10					
11					
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22					
23					
24					

COMMENTS:

FORM IVPCB

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 11.25 TCX: 2.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01		AR1660 1.0	05/17/11	1426	11.26	2.72
02		AR1660 0.05	05/17/11	1447	11.25	2.71
03		AR1660 0.1	05/17/11	1508	11.25	2.72
04		AR1660 0.25	05/17/11	1529	11.25	2.72
05		AR1660 2.5	05/17/11	1549	11.25	2.72
06		AR1660 10	05/17/11	1610	11.25	2.71
07		AR1016 1.0	05/17/11	1631		
08		AR1260 1.0	05/17/11	1652		
09		AR1242 1.0	05/17/11	1713		
10		AR1248 1.0	05/17/11	1917		
11		AR1254 1.0	05/17/11	2122		
12		AR1221 1.0	05/17/11	2326		
13		AR1232 1.0	05/17/11	2347		
14		AR1660 1.0	05/23/11	0849	11.24	2.71
15	WG91852-BLAN	WG91852-1	05/23/11	1119	11.25	2.72
16	WG91852-LCS	WG91852-2	05/23/11	1139	11.24	2.72
17	WG91852-LCSD	WG91852-3	05/23/11	1200	11.24	2.72
18		AR1660 0.25	05/23/11	1405	11.24	2.71
19	SITE6-IDW-21	SE2818-6	05/23/11	1529	11.24	2.72
20	SITE6-IDW-55	SE2818-8	05/23/11	1549	11.25	2.72

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8

PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 11.25 TCX: 2.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SITE6-IDW-78	SE2818-10	05/23/11	1610	11.24	2.72
02	SITE6-IDW-95	SE2818-12	05/23/11	1631	11.25	2.72
03		AR1660 1.0	05/23/11	1713	11.25	2.72
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.71 DCB: 11.43

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0	05/17/11	1426	2.71	11.43
02		AR1660 0.05	05/17/11	1447	2.72	11.43
03		AR1660 0.1	05/17/11	1508	2.72	11.43
04		AR1660 0.25	05/17/11	1529	2.72	11.43
05		AR1660 2.5	05/17/11	1549	2.72	11.43
06		AR1660 10	05/17/11	1610	2.71	11.43
07		AR1016 1.0	05/17/11	1631		
08		AR1260 1.0	05/17/11	1652		
09		AR1242 1.0	05/17/11	1713		
10		AR1248 1.0	05/17/11	1917		
11		AR1254 1.0	05/17/11	2122		
12		AR1221 1.0	05/17/11	2326		
13		AR1232 1.0	05/17/11	2347		
14		AR1660 1.0	05/23/11	0849	2.71	11.41
15	WG91852-BLAN	WG91852-1	05/23/11	1119	2.71	11.41
16	WG91852-LCS	WG91852-2	05/23/11	1139	2.72	11.41
17	WG91852-LCSD	WG91852-3	05/23/11	1200	2.71	11.41
18		AR1660 0.25	05/23/11	1405	2.71	11.41
19	SITE6-IDW-21	SE2818-6	05/23/11	1529	2.72	11.41
20	SITE6-IDW-55	SE2818-8	05/23/11	1549	2.72	11.42

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/11 05/17/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.71 DCB: 11.43

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SITE6-IDW-78	SE2818-10	05/23/11	1610	2.72	11.42
02	SITE6-IDW-95	SE2818-12	05/23/11	1631	2.72	11.42
03		AR1660 1.0	05/23/11	1713	2.72	11.42
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PCB

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.8	ug/Kgdrywt	1	17	18.	6.2	8.8
Aroclor-1221	U	8.8	ug/Kgdrywt	1	17	18.	8.1	8.8
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	18.	9.6	10.
Aroclor-1242	U	8.8	ug/Kgdrywt	1	17	18.	6.0	8.8
Aroclor-1248	U	8.8	ug/Kgdrywt	1	17	18.	6.3	8.8
Aroclor-1254	U	8.8	ug/Kgdrywt	1	17	18.	4.8	8.8
Aroclor-1260	U	8.8	ug/Kgdrywt	1	17	18.	6.2	8.8
Tetrachloro-M-Xylene	*	48.1	%					
Decachlorobiphenyl		75.8	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10193.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10193.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 23-MAY-2011 15:29
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-6
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	9.220	% Moisture
Ws	0.03210	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

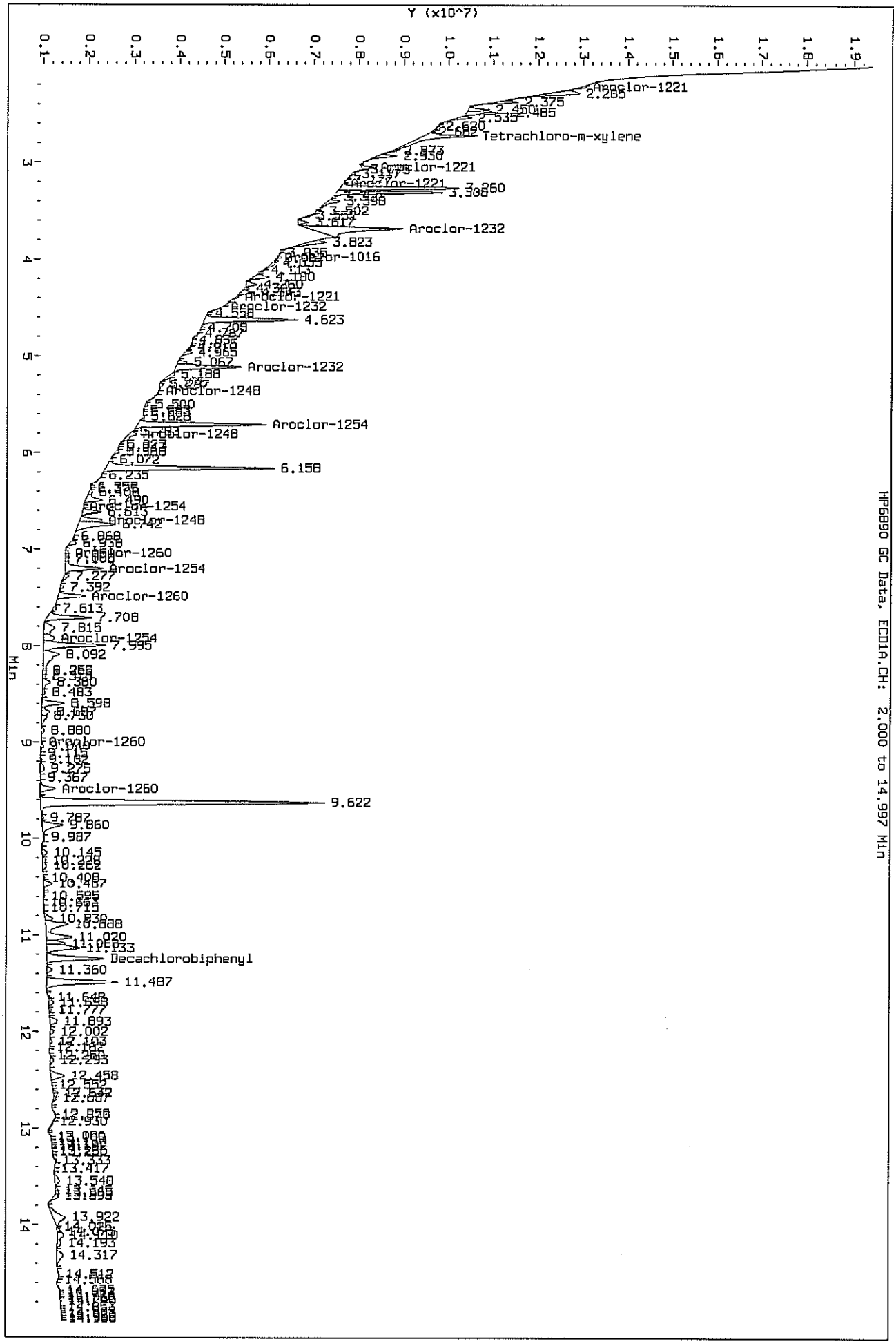
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.723	2.722	0.001	1043850	0.02987	10.2		(aRM)	
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.243	11.246	-0.003	1248194	0.06080	20.9			

MS JLP 060711

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10193.D
Injection Date: 23-MAY-2011 15:29
Instrument: gc08.i
Client Sample ID: SITE6-IDW-2117



HP6890 GC Data, ECD1A.CH: 2.000 to 14.997 Min

BEFORE
MANUAL INTEGRATION

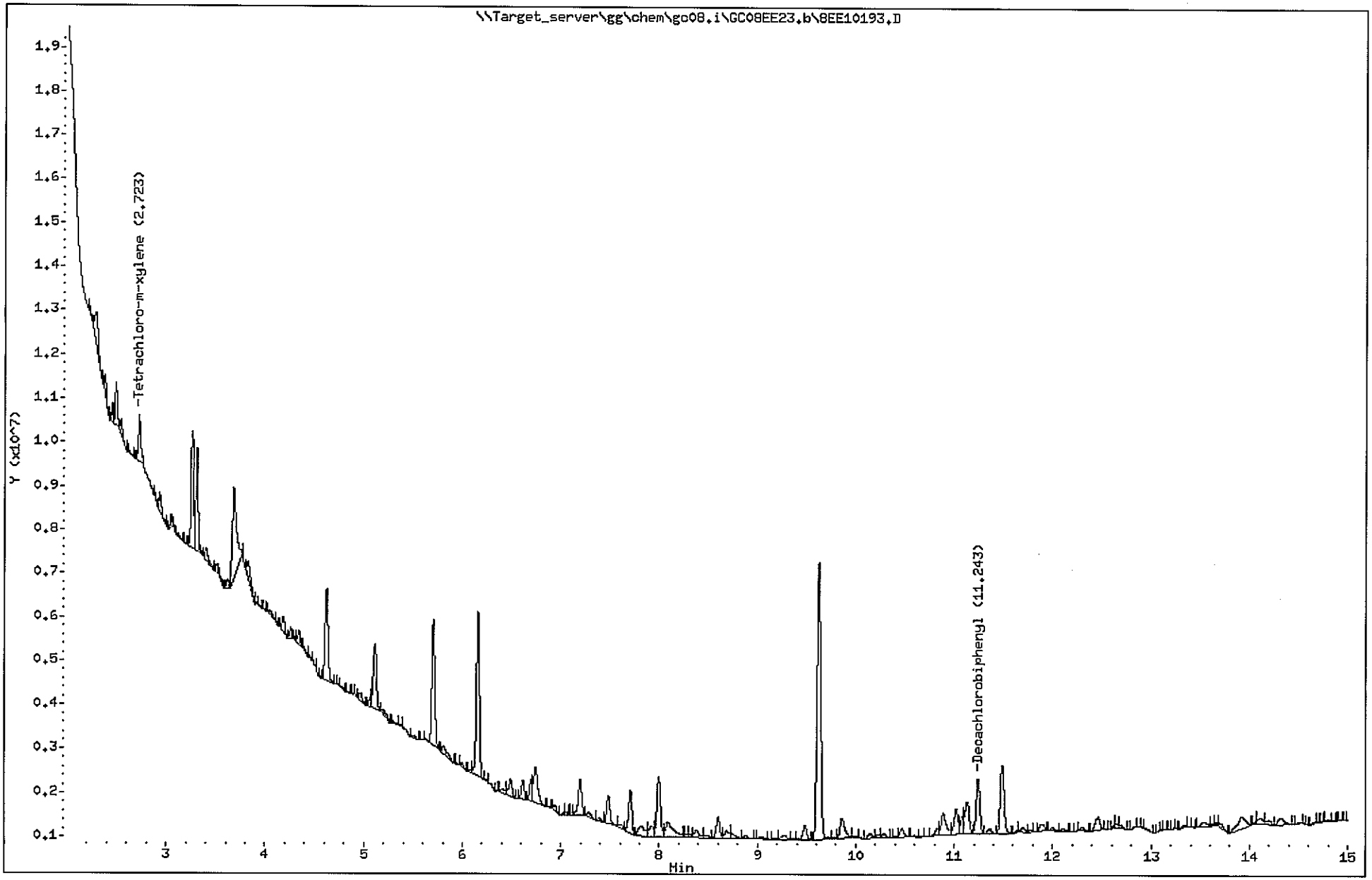
Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\8EE10193.D
Date : 23-MAY-2011 15:29
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6

Column phase: ZB-Multiresidue1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000015

Data File: 8EE10193.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10193.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 23-MAY-2011 15:29
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-6
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	9.220	% Moisture
Ws	0.03210	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

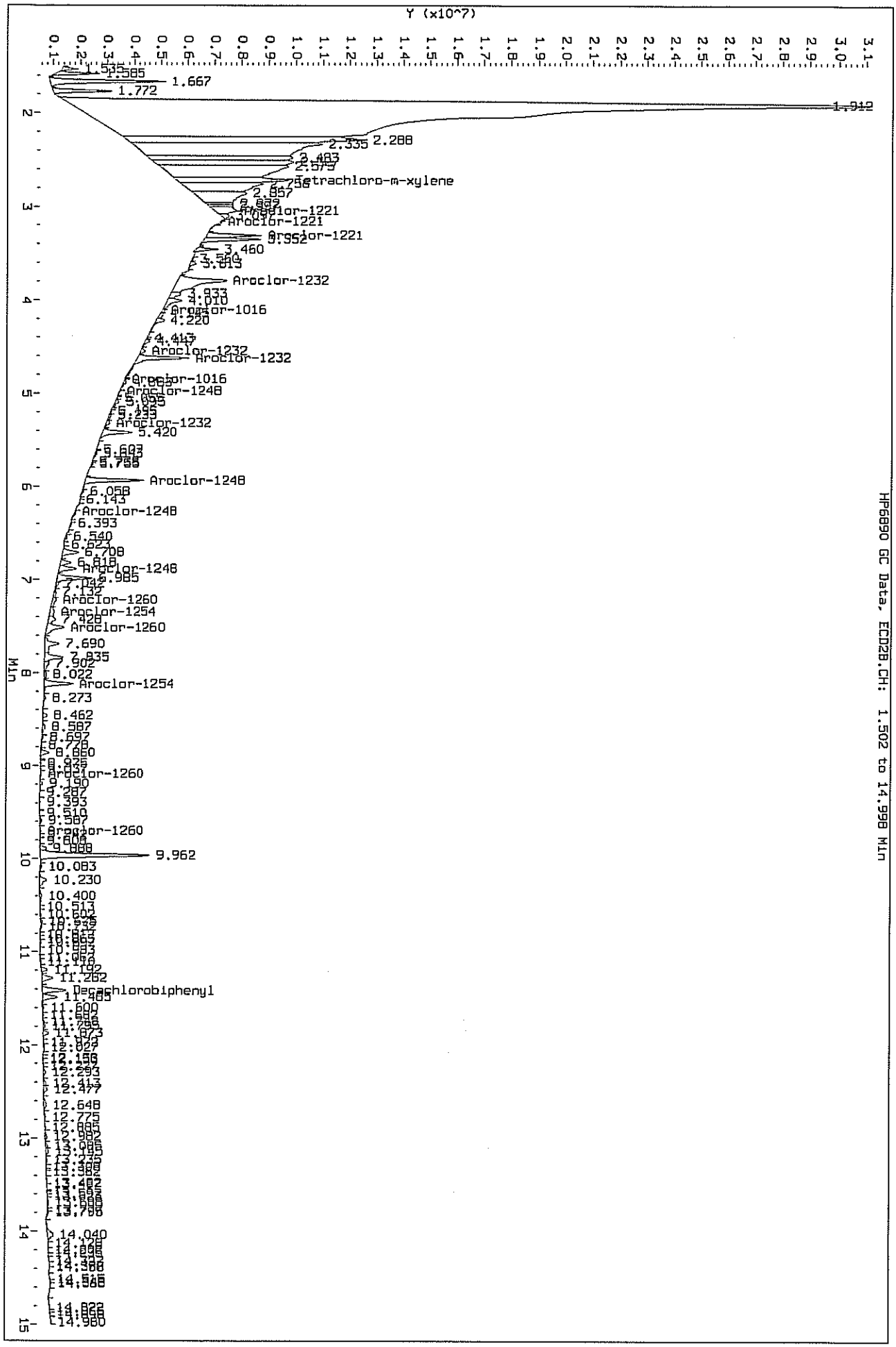
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.718	2.720	-0.002	1048548	0.04811	16.5		(aRM)	
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.411	11.415	-0.004	852775	0.07570	26.0			

MS
JP
060811

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\BEI0193.D
Injection Date: 23-MAY-2011 15:29
Instrument: gc08.i
Client Sample ID: SITE6-IDW-2117



HP6890 GC Data, ECD2B.CH: 1.502 to 14.998 Min

BEFORE
MANUAL INTEGRATION

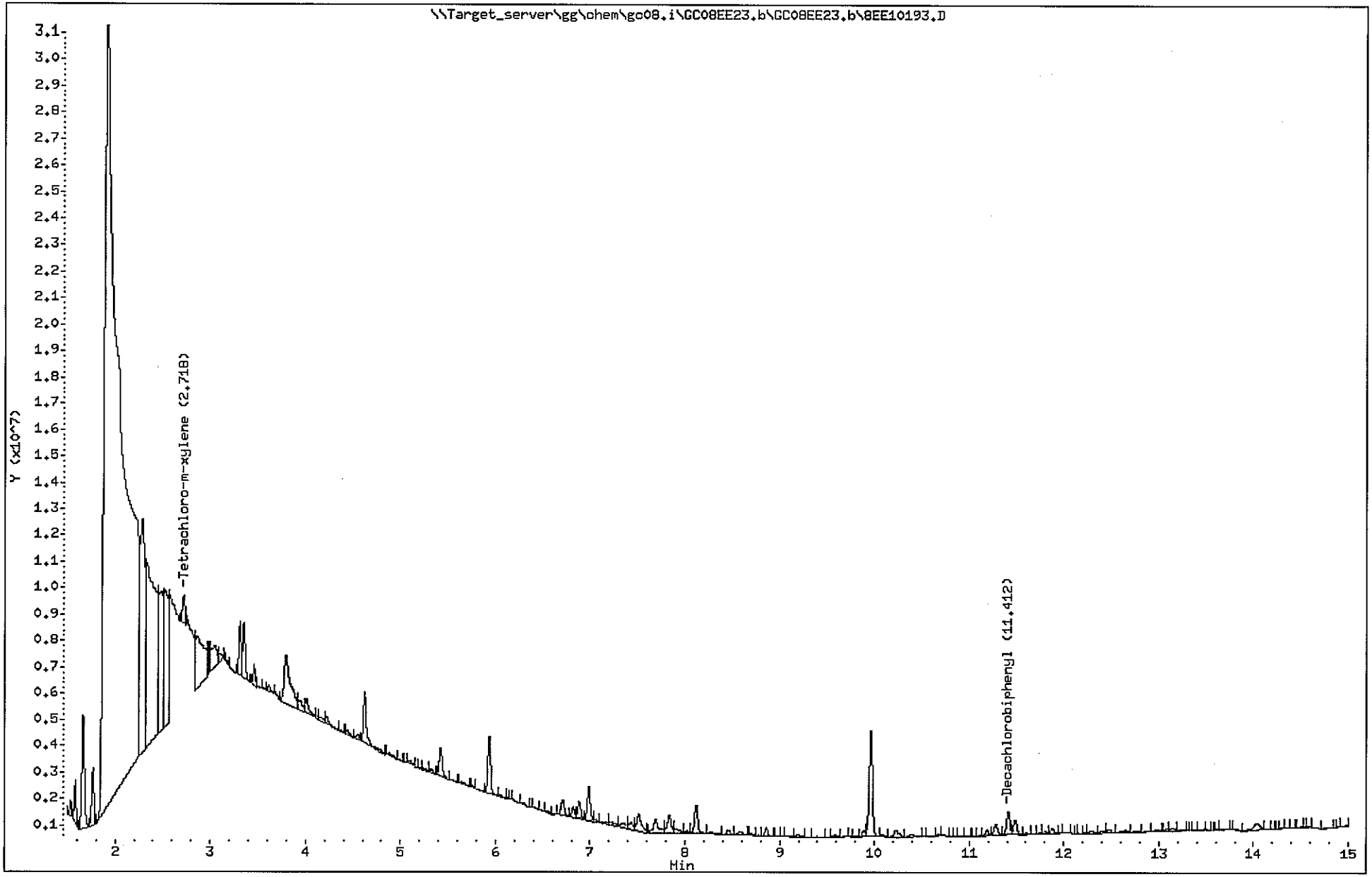
Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10193.D
Date : 23-MAY-2011 15:29
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6

Column phase: ZB-Multiresidue2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000018

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	9.3	ug/Kgdrywt	1	17	19.	6.6	9.3
Aroclor-1221	U	9.3	ug/Kgdrywt	1	17	19.	8.7	9.3
Aroclor-1232	U	11.	ug/Kgdrywt	1	17	19.	10.	11.
Aroclor-1242	U	9.3	ug/Kgdrywt	1	17	19.	6.4	9.3
Aroclor-1248	U	9.3	ug/Kgdrywt	1	17	19.	6.7	9.3
Aroclor-1254	U	9.3	ug/Kgdrywt	1	17	19.	5.2	9.3
Aroclor-1260	U	9.3	ug/Kgdrywt	1	17	19.	6.6	9.3
Tetrachloro-M-Xylene	*	55.2	%					
Decachlorobiphenyl		67.8	%					

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10194.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10194.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 23-MAY-2011 15:49
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-8
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	10.131	% Moisture
Ws	0.03040	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.723	2.722	0.001	1839565	0.05508	20.2			(R)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.245	11.246	-0.001	1010892	0.04883	17.9			(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

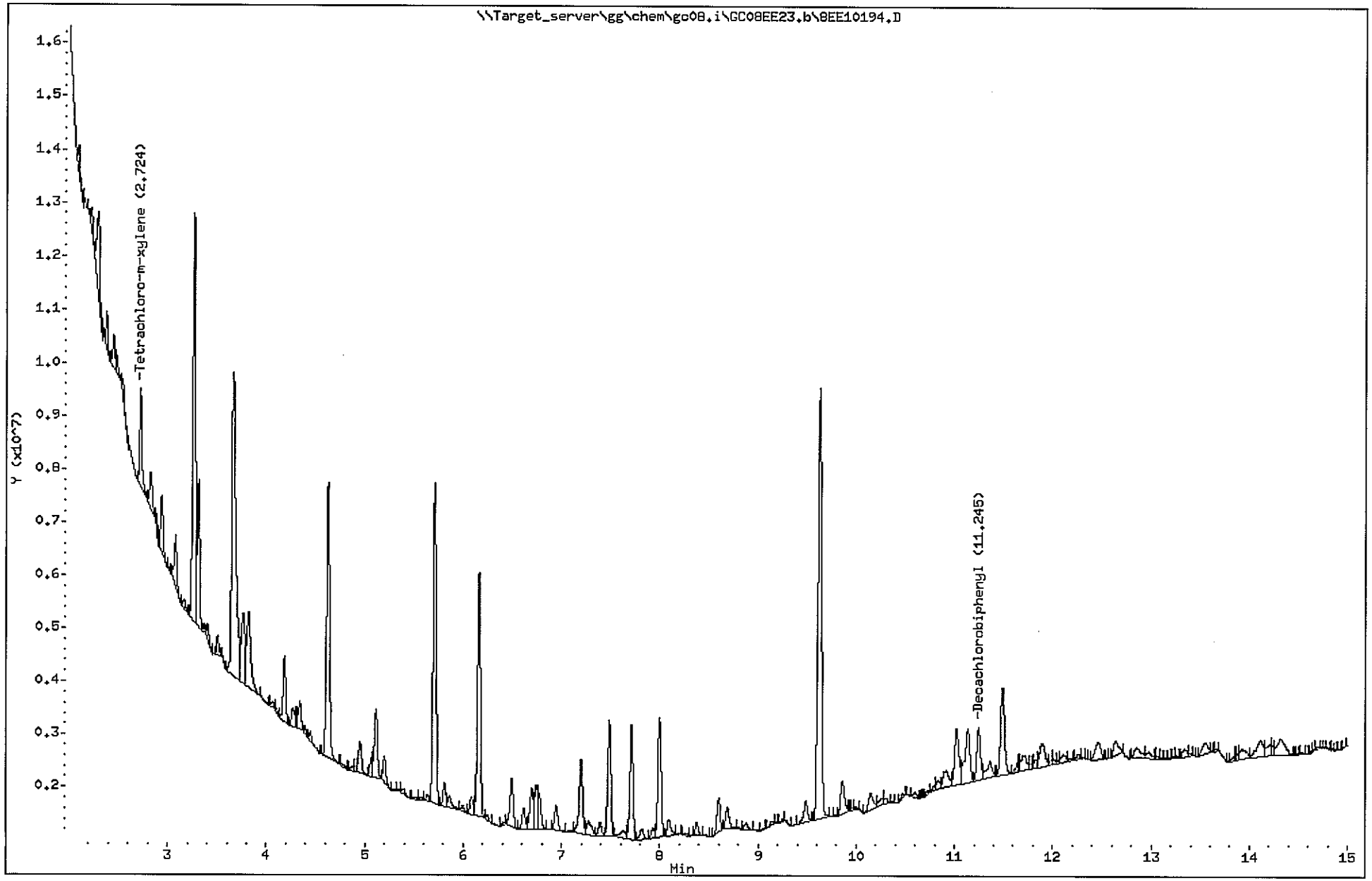
Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\8EE10194.D
Date : 23-MAY-2011 15:49
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8

Instrument: go08.i

Operator: JLP

Column phase: ZB-Multiresidue1

Column diameter: 0.53



Katahdin Analytical Services 3000021

Data File: 8EE10194.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10194.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 23-MAY-2011 15:49
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-8
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	10.131	% Moisture
Ws	0.03040	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.721	2.720	0.001	1045731	0.04798	17.6			(aR)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.415	11.415	0.000	763528	0.06778	24.8			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

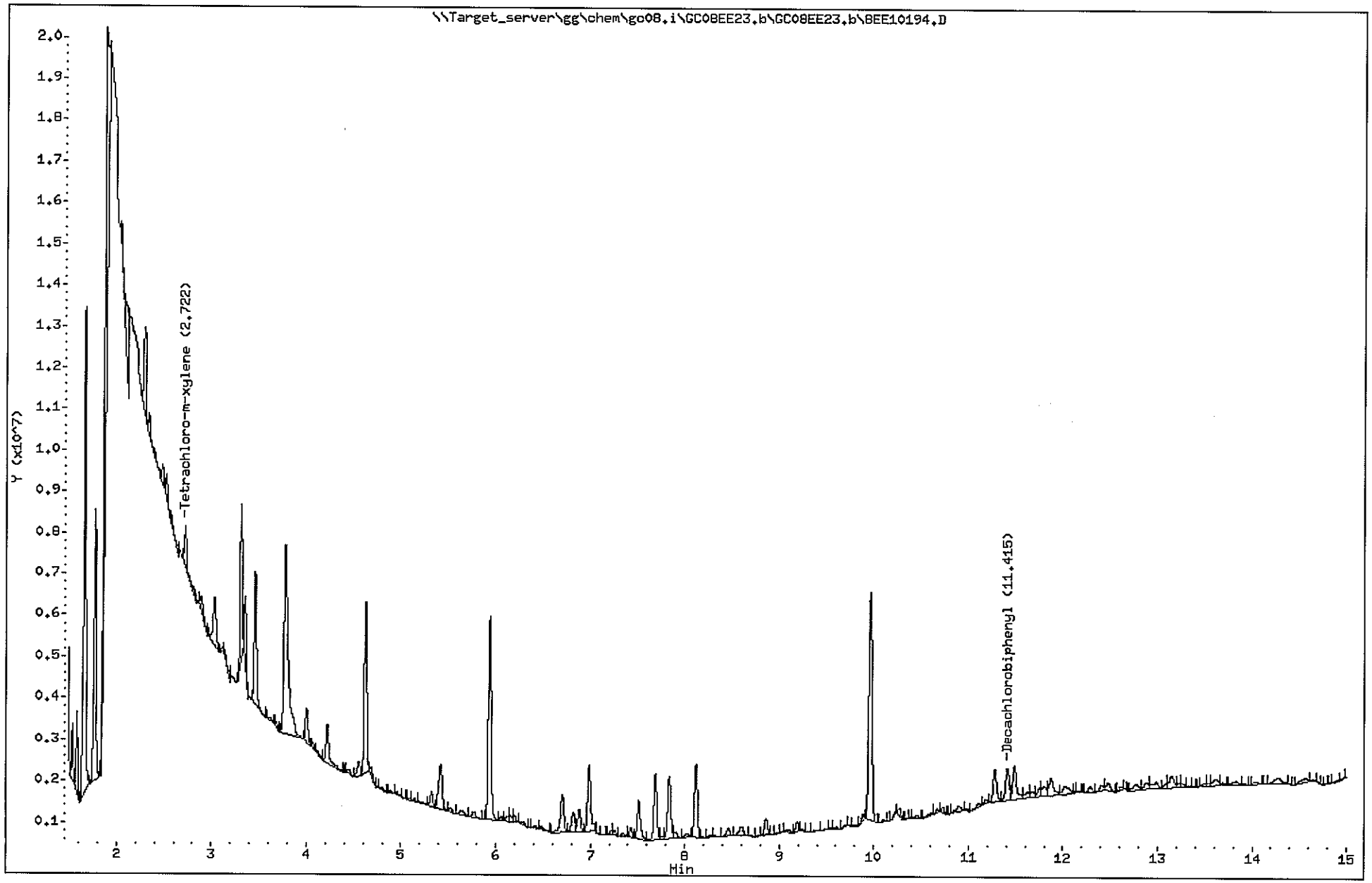
Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10194.D
Date : 23-MAY-2011 15:49
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8

Instrument: go08.i

Operator: JLP

Column phase: ZB-Multiresidue2

Column diameter: 0.53



Katahdin Analytical Services 3000023

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: S1TE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	9.1	ug/Kgdrywt	1	17	18.	6.4	9.1
Aroclor-1221	U	9.1	ug/Kgdrywt	1	17	18.	8.4	9.1
Aroclor-1232	U	11.	ug/Kgdrywt	1	17	18.	9.9	11.
Aroclor-1242	U	9.1	ug/Kgdrywt	1	17	18.	6.2	9.1
Aroclor-1248	U	9.1	ug/Kgdrywt	1	17	18.	6.5	9.1
Aroclor-1254	U	9.1	ug/Kgdrywt	1	17	18.	5.0	9.1
Aroclor-1260	U	9.1	ug/Kgdrywt	1	17	18.	6.4	9.1
Tetrachloro-M-Xylene		60.0	%					
Decachlorobiphenyl		62.5	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10195.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10195.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 23-MAY-2011 16:10
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-10
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	6.498	% Moisture
Ws	0.03010	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.723	2.722	0.001	1745079	0.05209	18.5			(R)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.244	11.246	-0.002	1000186	0.04829	17.2			(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

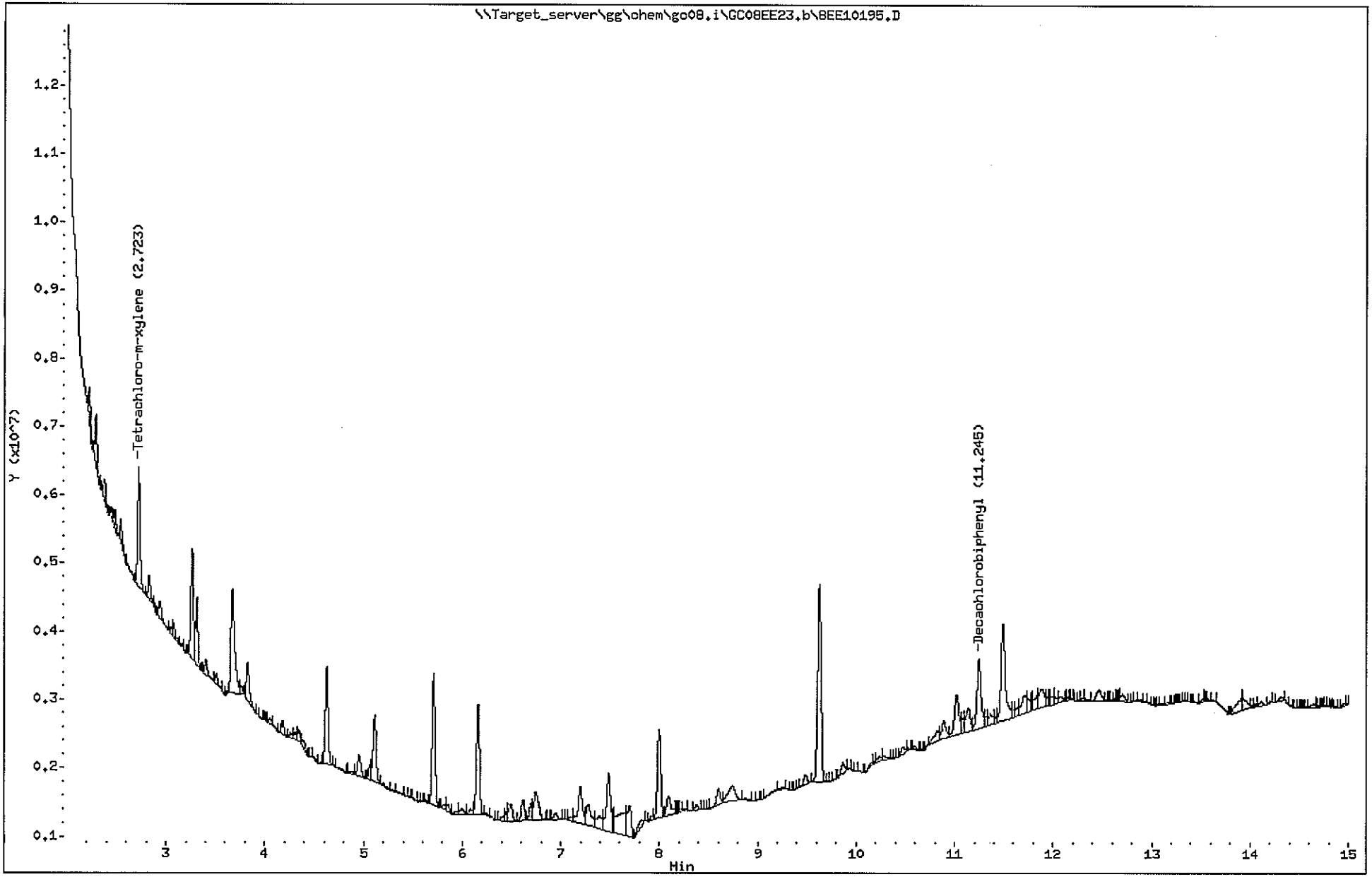
Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10195.D
Date : 23-MAY-2011 16:10
Client ID: SITE6-IDW-782
Sample Info: SE2818-10

Instrument: gc08.i

Operator: JLP

Column phase: ZB-Multiresidue1

Column diameter: 0.53



Katahdin Analytical Services 3000026

Data File: 8EE10195.D
Report Date: 26-May-2011 09:36

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10195.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 23-MAY-2011 16:10
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-10
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	6.498	% Moisture
Ws	0.03010	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

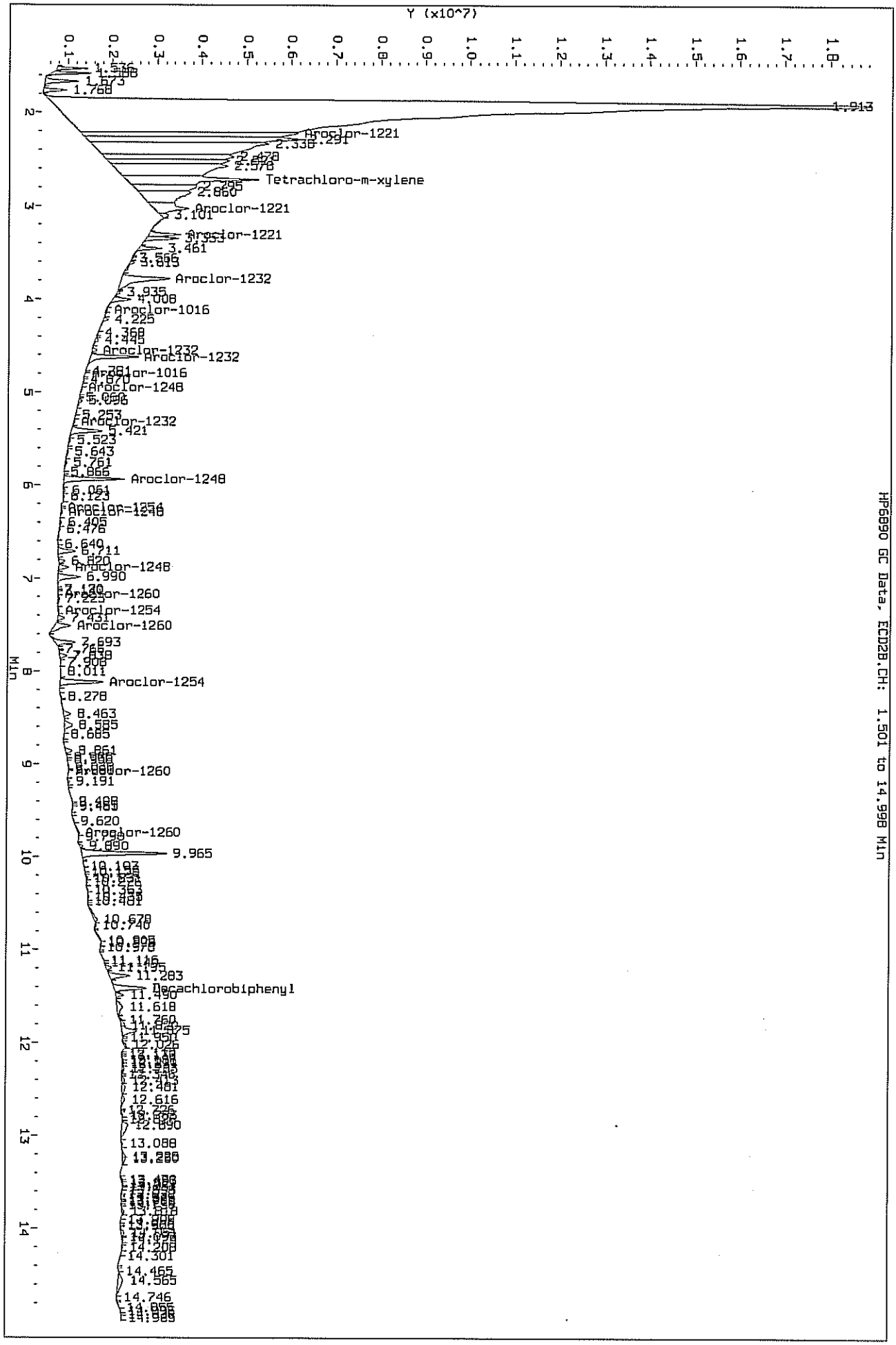
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.721	2.720	0.001	1305308	0.05989	21.3		(M)	
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.416	11.415	0.001	705057	0.06259	22.2			

MS
JLP
060811

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\BEI10195.D
Injection Date: 23-MAY-2011 16:10
Instrument: gc08.i
Client Sample ID: SIITE6-IDW-7B2



HP6890 GC Data, ECD2B.CH: 1.501 to 14.998 Min

BEFORE
MANUAL INTEGRATION

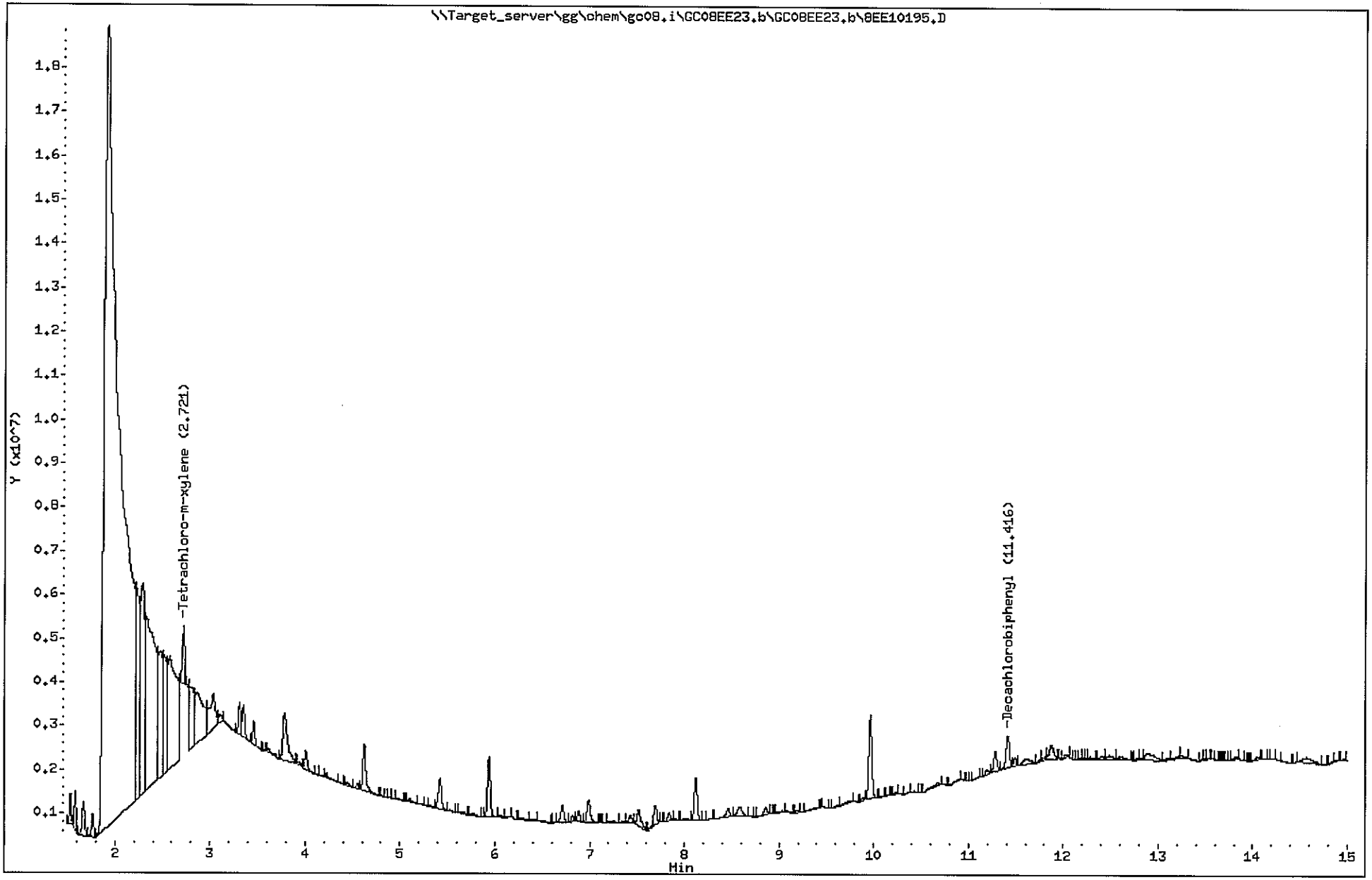
Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10195.D
Date : 23-MAY-2011 16:10
Client ID: SITE6-IDW-782
Sample Info: SE2818-10

Column phase: ZB-Multiresidue2

Instrument: go08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000029

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.9	ug/Kgdrywt	1	17	18.	6.3	8.9
Aroclor-1221	U	8.9	ug/Kgdrywt	1	17	18.	8.3	8.9
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	18.	9.8	10.
Aroclor-1242	U	8.9	ug/Kgdrywt	1	17	18.	6.1	8.9
Aroclor-1248	U	8.9	ug/Kgdrywt	1	17	18.	6.4	8.9
Aroclor-1254	U	8.9	ug/Kgdrywt	1	17	18.	4.9	8.9
Aroclor-1260	U	8.9	ug/Kgdrywt	1	17	18.	6.3	8.9
Tetrachloro-M-Xylene		57.1	%					
Decachlorobiphenyl	*	58.3	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10196.D
Report Date: 26-May-2011 09:35

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10196.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 23-MAY-2011 16:31
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-12
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	7.836	% Moisture
Ws	0.03100	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.724	2.722	0.002	1906027	0.05719	20.0			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.247	11.246	0.001	860658	0.04126	14.4			(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

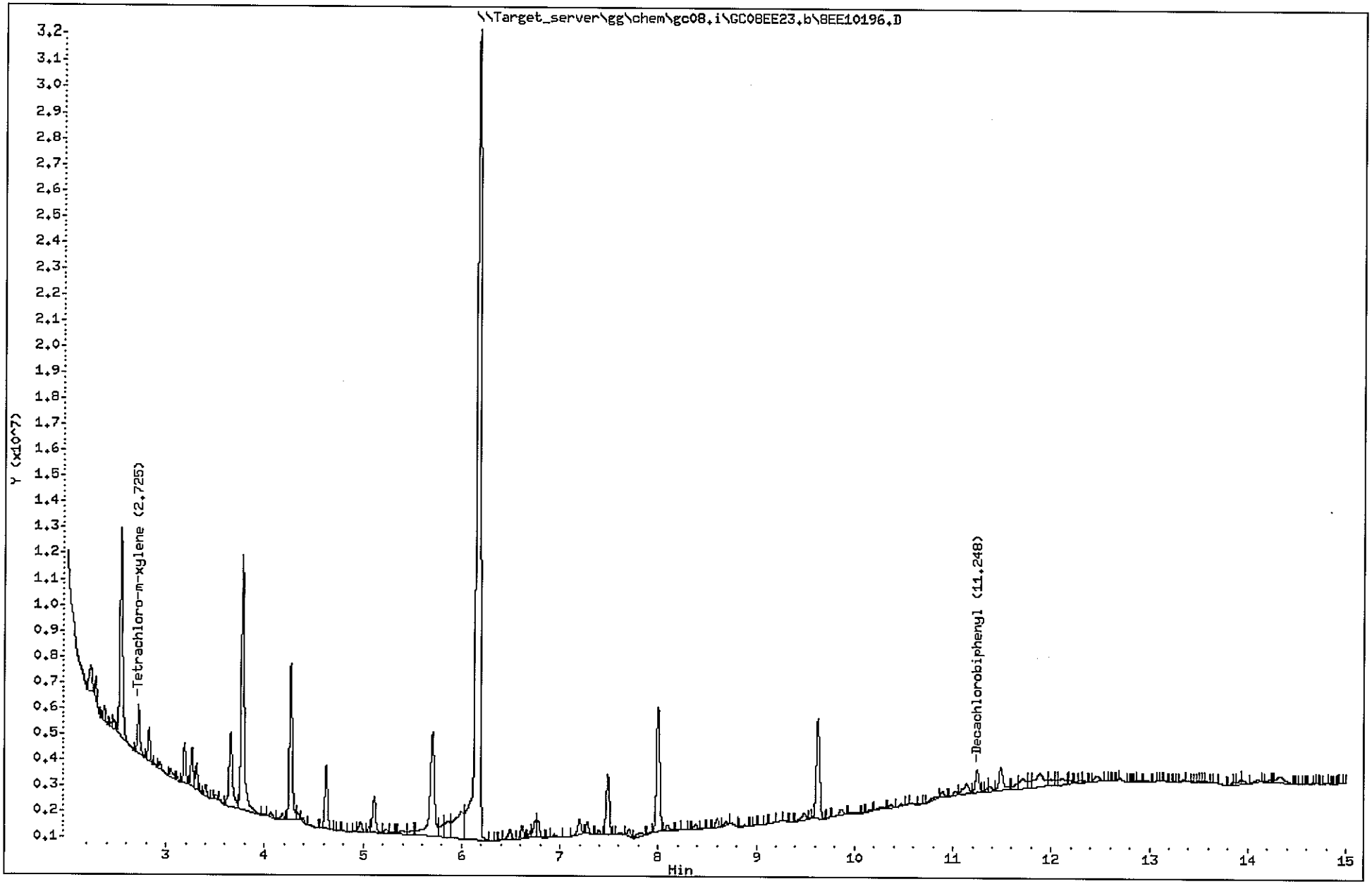
Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10196.D
Date : 23-MAY-2011 16:31
Client ID: SITE6-IDW-954
Sample Info: SE2818-12

Instrument: gc08.i

Operator: JLP

Column phase: ZB-Multiresidue1

Column diameter: 0.53



Katahdin Analytical Services 3000032

Data File: 8EE10196.D
Report Date: 26-May-2011 09:36

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10196.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 23-MAY-2011 16:31
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-12
Misc Info : WG91877,WG91852,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	7.836	% Moisture
Ws	0.03100	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

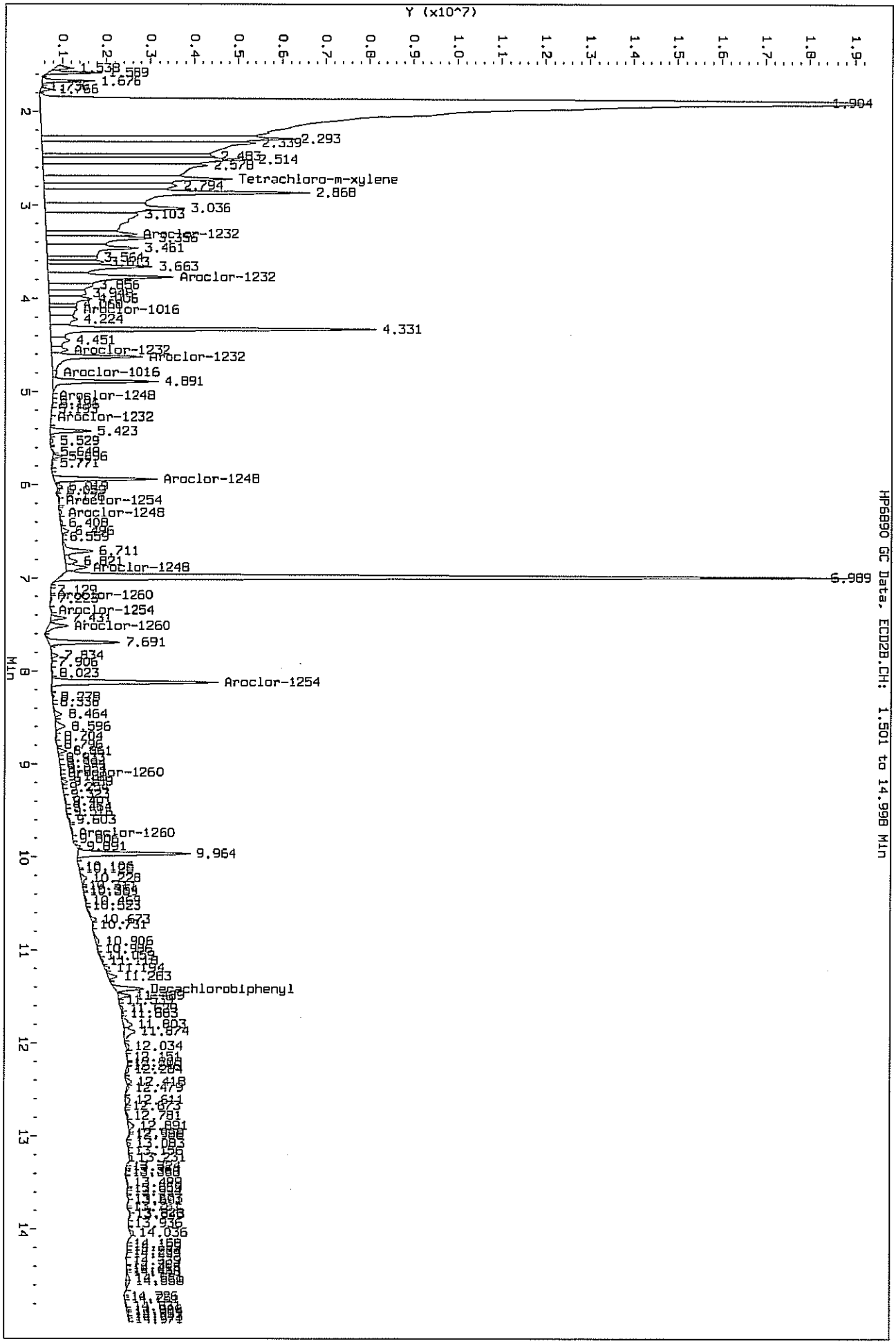
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.722	2.720	0.002	1239188	0.05685	19.9		(M)	
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.416	11.415	0.001	656427	0.05827	20.4		(R)	

M5
JLP
060811

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\gg\chem\gc08.1\GC08EE23.b\GC08EE23.b\8EE10196.D
Injection Date: 23-MAY-2011 16:31
Instrument: gc08.1
Client Sample ID: SITE6-IDW-954



BEFORE
MANUAL INTEGRATION

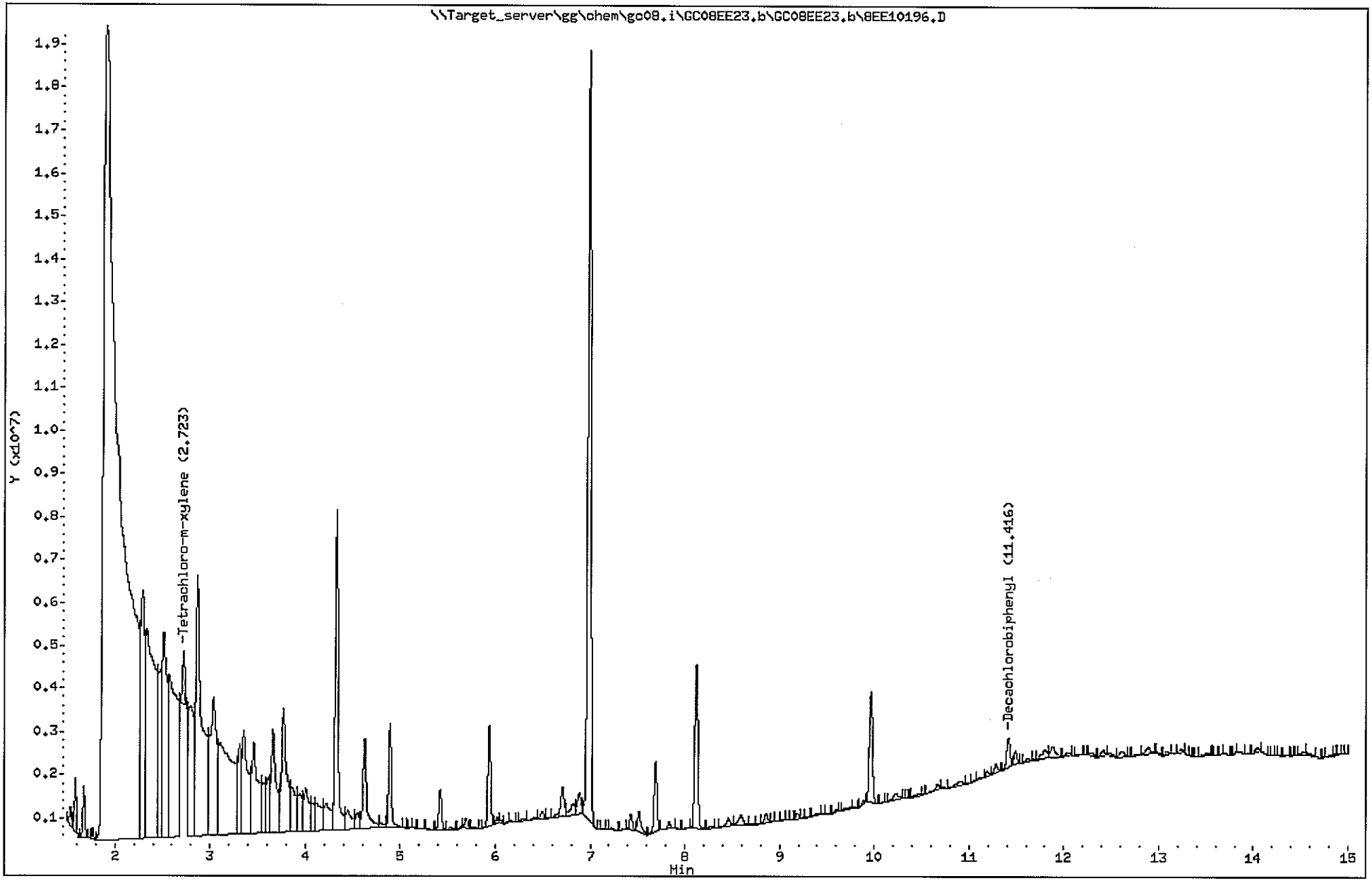
Data File: \\Target_server\gg\ohem\go08.i\GC08EE23.b\GC08EE23.b\8EE10196.D
Date : 23-MAY-2011 16:31
Client ID: SITE6-IDW-954
Sample Info: SE2818-12

Column phase: ZB-Multiresidue2

Instrument: go08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000035

Standards Data Section

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/17/11 05/17/11

Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Calibration Time(s): 1426 2347

LAB FILE ID: RF0.05: 8EE10094 RF0.1: 8EE10095 RF0.25: 8EE10096
RF1: 8EE10100 RF2.5: 8EE10097 RF10: 8EE10098

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	36621	80262	190120	693290	1666500	5562100	LINR	-0.1293457	1.799e-006	0.99745	0.99000	
(2)	33139	73043	175450	657710	1550000	4961700	LINR	-0.1588022	2.015e-006	0.99586	0.99000	
(3)	81504	164220	404700	1484500	3308000	9670100	LINR	-0.2413927	1.032e-006	0.99070	0.99000	
(4)	41260	88664	219590	821780	1864400	5890500	LINR	-0.1791563	1.698e-006	0.99508	0.99000	
(5)	31366	63645	157660	600740	1364800	4518000	LINR	-0.1468565	2.216e-006	0.99691	0.99000	
Aroclor-1221				291000			LINR	0.00000000	3.436e-006	1.00000	0.99000	<-
(2)				352980			LINR	0.00000000	2.833e-006	1.00000	0.99000	<-
(3)				878420			LINR	0.00000000	1.138e-006	1.00000	0.99000	<-
(4)				97612			LINR	0.00000000	1.024e-005	1.00000	0.99000	<-
Aroclor-1232				719600			LINR	0.00000000	1.39e-006	1.00000	0.99000	<-
(2)				312990			LINR	0.00000000	3.195e-006	1.00000	0.99000	<-
(3)				676550			LINR	0.00000000	1.478e-006	1.00000	0.99000	<-
(4)				373220			LINR	0.00000000	2.679e-006	1.00000	0.99000	<-
(5)				242210			LINR	0.00000000	4.129e-006	1.00000	0.99000	<-
Aroclor-1242	36088	69934	169030	599430	1431700	4790300	LINR	-0.1336662	2.091e-006	0.99754	0.99000	
(2)	32602	62563	151190	553900	1321200	4345400	LINR	-0.1417006	2.303e-006	0.99696	0.99000	
(3)	73502	145060	342860	1234900	2851700	8751800	LINR	-0.2006097	1.142e-006	0.99391	0.99000	
(4)	38011	78500	185550	676940	1598500	5201500	LINR	-0.1522050	1.924e-006	0.99655	0.99000	
(5)	28068	56524	136140	500270	1181800	3915900	LINR	-0.1390625	2.556e-006	0.99717	0.99000	
Aroclor-1248	40619	39872	204260	743230	1733600	5792700	LINR	-0.1227628	1.725e-006	0.99715	0.99000	
(2)	45622	94546	235610	845590	1947100	6224400	LINR	-0.1715841	1.608e-006	0.99573	0.99000	
(3)	33032	70614	172300	636900	1502800	4943800	LINR	-0.1420591	2.024e-006	0.99690	0.99000	
(4)	50248	102520	260380	942180	2213900	7081200	LINR	-0.1629371	1.412e-006	0.99583	0.99000	
(5)	26530	54656	138580	505150	1223700	4106600	LINR	-0.1215922	2.436e-006	0.99761	0.99000	
Aroclor-1254	59405	116070	261620	1044600	2257800		LINR	-3.56e-002	1.1e-006	0.99638	0.99000	
(2)	55943	110700	252140	1007500	2204000		LINR	-3.23e-002	1.128e-006	0.99698	0.99000	
(3)	96024	193530	435750	1723800	3617400		LINR	-4.24e-002	6.848e-007	0.99458	0.99000	
(4)	57332	118520	270020	1120200	2473800		LINR	-2.56e-002	1.003e-006	0.99736	0.99000	
(5)	72446	145950	336170	1340800	2842400		LINR	-3.82e-002	8.716e-007	0.99521	0.99000	
Aroclor-1260	59613	124770	297850	1097800	2511300		LINR	-2.86e-002	9.952e-007	0.99865	0.99000	
(2)	91173	185110	452840	1626200	3581700		LINR	-3.92e-002	6.965e-007	0.99714	0.99000	
(3)	84810	171530	411240	1530200	3350800		LINR	-3.73e-002	7.433e-007	0.99695	0.99000	
(4)	131020	272390	674570	2431100	5193100		LINR	-4.44e-002	4.788e-007	0.99548	0.99000	
(5)	79174	162470	403210	1423800	3193400		LINR	-3.63e-002	7.825e-007	0.99785	0.99000	
Tetrachloro-m-xylene	45093	91910	232270	837570	1959000	6315700	LINR	-3.2e-003	3.168e-008	0.99614	0.99000	
Decachlorobiphenyl	27138	54534	133340	472030	1151100	3972000	LINR	-2.14e-003	5.042e-008	0.99840	0.99000	

FORM VI PCB

Calibration History

Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Start Cal Date: 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
17-MAY-2011 21:43	AR1254	8EE10094.D
17-MAY-2011 19:38	AR1248	8EE10088.D
17-MAY-2011 17:33	AR1242	8EE10082.D
17-MAY-2011 14:47	AR1660	8EE10074.D
Cal Level: 2 , Cal Amount: 0.10000		
17-MAY-2011 22:03	AR1254	8EE10095.D
17-MAY-2011 19:59	AR1248	8EE10089.D
17-MAY-2011 17:54	AR1242	8EE10083.D
17-MAY-2011 15:08	AR1660	8EE10075.D
Cal Level: 3 , Cal Amount: 0.25000		
17-MAY-2011 22:24	AR1254	8EE10096.D
17-MAY-2011 20:19	AR1248	8EE10090.D
17-MAY-2011 18:15	AR1242	8EE10084.D
17-MAY-2011 15:29	AR1660	8EE10076.D
Cal Level: 4 , Cal Amount: 1.00000		
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D
Cal Level: 5 , Cal Amount: 2.50000		
17-MAY-2011 22:45	AR1254	8EE10097.D
17-MAY-2011 20:40	AR1248	8EE10091.D
17-MAY-2011 18:36	AR1242	8EE10085.D
17-MAY-2011 15:49	AR1660	8EE10077.D
Cal Level: 6 , Cal Amount: 10.00000		
17-MAY-2011 23:06	AR1254	8EE10098.D

17-MAY-2011 18:56	AR1242	8EE10086.D
17-MAY-2011 16:10	AR1660	8EE10078.D

Continuing Calibration
Ccal Level Mode: BY SAMPLE

18-MAY-2011 08:47	AR1660	8EE10126.D
18-MAY-2011 04:38	AR1254	8EE10114.D
18-MAY-2011 04:17	AR1248	8EE10113.D
18-MAY-2011 03:56	AR1242	8EE10112.D
18-MAY-2011 03:35	AR1660	8EE10111.D
17-MAY-2011 16:52	AR1260	8EE10080.D
17-MAY-2011 16:31	AR1016	8EE10079.D
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D

FORM 6

PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/17/11 05/17/11

Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Calibration Time(s): 1426 2347

LAB FILE ID: RF0.05: 8EE10094 RF0.1: 8EE10095 RF0.25: 8EE10096
RF1: 8EE10100 RF2.5: 8EE10097 RF10: 8EE10098

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	471060	496530	482040	445510	446560	397820	AVRG	456585.317	7.668	20.000	
(2)	424880	440450	432660	398580	399240	366600	AVRG	410401.050	6.710	20.000	
(3)	881640	912500	900670	845960	821880	705470	AVRG	844685.467	9.016	20.000	
(4)	457960	454960	453760	421970	423360	381070	AVRG	432179.333	6.898	20.000	
(5)	423620	446050	440630	414870	411580	376370	AVRG	418854.333	5.954	20.000	
Aroclor-1221				169130			AVRG	169129.000	0.000	20.000	<-
(2)				206440			AVRG	206444.000	0.000	20.000	<-
(3)				136130			AVRG	136132.000	0.000	20.000	<-
(4)				510100			AVRG	510095.000	0.000	20.000	<-
Aroclor-1232				424350			AVRG	424351.000	0.000	20.000	<-
(2)				205140			AVRG	205138.000	0.000	20.000	<-
(3)				386020			AVRG	386025.000	0.000	20.000	<-
(4)				196110			AVRG	196114.000	0.000	20.000	<-
(5)				149090			AVRG	149087.000	0.000	20.000	<-
Aroclor-1242	447780	429260	421600	392570	373780	336110	AVRG	400184.067	10.260	20.000	
(2)	397900	372740	365500	344610	340360	301380	AVRG	353747.667	9.336	20.000	
(3)	817580	796680	757660	724540	697540	599520	AVRG	732252.833	10.746	20.000	
(4)	409680	400850	386250	358770	358270	320050	AVRG	372312.317	8.922	20.000	
(5)	400120	389470	372830	352060	341960	314620	AVRG	361843.800	8.800	20.000	
Aroclor-1248	473160	478290	473220	449400	422480	379400	AVRG	445992.150	8.696	20.000	
(2)	562360	581410	570280	542250	510000	454620	AVRG	536819.883	8.842	20.000	
(3)	739260	796330	768470	738500	701910	617960	AVRG	727072.483	8.551	20.000	
(4)	428120	431150	436740	436070	416010	383000	AVRG	421848.800	4.851	20.000	
(5)	281300	316060	323040	305910	298410	280960	AVRG	300946.650	5.819	20.000	
Aroclor-1254	950600	909420	829780	858770	786380	656420	AVRG	831894.417	12.456	20.000	
(2)	817820	784830	709320	744750	655360	569870	AVRG	713657.750	12.685	20.000	
(3)	1077800	1077200	1001100	1046200	933330	780020	AVRG	985944.433	11.635	20.000	
(4)	736720	722150	655360	725200	637190	584940	AVRG	676925.550	8.975	20.000	
(5)	880100	874870	771460	814750	733150	621030	AVRG	782558.467	12.485	20.000	
Aroclor-1260	707880	753320	730220	682090	661610	591030	AVRG	687693.650	8.373	20.000	
(2)	828920	878480	872550	814640	791490	681480	AVRG	811260.083	8.860	20.000	
(3)	819980	893020	887360	824630	806400	681580	AVRG	818829.433	9.337	20.000	
(4)	1382400	1470400	1450800	1360100	1290900	1026600	AVRG	1330221.33	12.192	20.000	
(5)	848560	890070	907930	821070	833180	718250	AVRG	836508.950	7.992	20.000	
Tetrachloro-m-xylene	2e+007	2e+007	2e+007	2e+007	2e+007	2.e+007	AVRG	21796468.3	5.963	20.000	
Decachlorobiphenyl	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	11265584.2	5.711	20.000	

FORM VI PCB

Calibration History

Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Start Cal Date: 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
17-MAY-2011 21:43	AR1254	8EE10094.D
17-MAY-2011 19:38	AR1248	8EE10088.D
17-MAY-2011 17:33	AR1242	8EE10082.D
17-MAY-2011 14:47	AR1660	8EE10074.D
Cal Level: 2 , Cal Amount: 0.10000		
17-MAY-2011 22:03	AR1254	8EE10095.D
17-MAY-2011 19:59	AR1248	8EE10089.D
17-MAY-2011 17:54	AR1242	8EE10083.D
17-MAY-2011 15:08	AR1660	8EE10075.D
Cal Level: 3 , Cal Amount: 0.25000		
17-MAY-2011 22:24	AR1254	8EE10096.D
17-MAY-2011 20:19	AR1248	8EE10090.D
17-MAY-2011 18:15	AR1242	8EE10084.D
17-MAY-2011 15:29	AR1660	8EE10076.D
Cal Level: 4 , Cal Amount: 1.00000		
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D
Cal Level: 5 , Cal Amount: 2.50000		
17-MAY-2011 22:45	AR1254	8EE10097.D
17-MAY-2011 20:40	AR1248	8EE10091.D
17-MAY-2011 18:36	AR1242	8EE10085.D
17-MAY-2011 15:49	AR1660	8EE10077.D
Cal Level: 6 , Cal Amount: 10.00000		
17-MAY-2011 23:06	AR1254	8EE10098.D

17-MAY-2011 18:56	AR1242	8EE10086.D
17-MAY-2011 16:10	AR1660	8EE10078.D

Continuing Calibration
Ccal Level Mode: BY SAMPLE

18-MAY-2011 08:47	AR1660	8EE10126.D
18-MAY-2011 03:35	AR1660	8EE10111.D
18-MAY-2011 04:38	AR1254	8EE10114.D
18-MAY-2011 04:17	AR1248	8EE10113.D
18-MAY-2011 03:56	AR1242	8EE10112.D
17-MAY-2011 16:52	AR1260	8EE10080.D
17-MAY-2011 16:31	AR1016	8EE10079.D
17-MAY-2011 23:47	AR1232	8EE10100.D
17-MAY-2011 23:26	AR1221	8EE10099.D
17-MAY-2011 21:22	AR1254	8EE10093.D
17-MAY-2011 19:17	AR1248	8EE10087.D
17-MAY-2011 17:13	AR1242	8EE10081.D
17-MAY-2011 14:26	AR1660	8EE10073.D

Report Date : 19-May-2011 10:40

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.
Cal Date : 18-May-2011 09:15 jprescott
Curve Type : Average

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10094.D
Level 2: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10095.D
Level 3: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10096.D
Level 4: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10100.D
Level 5: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10097.D
Level 6: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10098.D

Compound	0.05000 Level 1	0.10000 Level 2	0.25000 Level 3	1.000 Level 4	2.500 Level 5	10.000 Level 6	___ RRF	% RSD
M 1 Total PCBs	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Aroclor-1221 (1)	+++++	+++++	+++++	169129	+++++	+++++	169129	0.000
(2)	+++++	+++++	+++++	206444	+++++	+++++	206444	0.000
(3)	+++++	+++++	+++++	136132	+++++	+++++	136132	0.000
(4)	+++++	+++++	+++++	510095	+++++	+++++	510095	0.000
4 Aroclor-1232 (1)	+++++	+++++	+++++	424351	+++++	+++++	424351	0.000
(2)	+++++	+++++	+++++	205138	+++++	+++++	205138	0.000
(3)	+++++	+++++	+++++	386025	+++++	+++++	386025	0.000
(4)	+++++	+++++	+++++	196114	+++++	+++++	196114	0.000
(5)	+++++	+++++	+++++	149087	+++++	+++++	149087	0.000
5 Aroclor-1016 (1)	471060	496530	482036	445510	446556	397820	456585	7.668
(2)	424880	440450	432660	398584	399236	366596	410401	6.710
(3)	881640	912500	900668	845958	821878	705469	844685	9.016
(4)	457960	454960	453756	421968	423362	381070	432179	6.898
(5)	423620	446050	440632	414867	411584	376373	418854	5.954
6 Aroclor-1242 (1)	447780	429260	421596	392573	373784	336111	400184	10.260
(2)	397900	372740	365496	344609	340360	301381	353748	9.336
(3)	817580	796680	757660	724536	697540	599521	732253	10.746
(4)	409680	400850	386252	358768	358274	320050	372312	8.922
(5)	400120	389470	372828	352062	341966	314617	361844	8.800
7 Aroclor-1248 (1)	473160	478290	473220	449395	422482	379406	445992	8.696
(2)	562360	581410	570276	542253	510002	454618	536820	8.842
(3)	739260	796330	768472	738500	701910	617963	727072	8.551
(4)	428120	431150	436744	436072	416010	382997	421849	4.851
(5)	281300	316060	323044	305909	298409	280958	300947	5.819
8 Aroclor-1254 (1)	950600	909420	829784	858767	786377	656419	831894	12.457
(2)	817820	784830	709320	744752	655356	569869	713658	12.685
(3)	1077780	1077180	1001104	1046255	933327	780020	985944	11.635

Report Date : 19-May-2011 10:40

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-MAY-2011 14:26
End Cal Date : 17-MAY-2011 23:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.
Cal Date : 18-May-2011 09:15 jprescott
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.25000 Level 3	1.000 Level 4	2.500 Level 5	10.000 Level 6	___ RRF	% RSD
(4)	736720	722150	655356	725198	637194	584936	676926	8.975
(5)	880100	874870	771456	814749	733150	621026	782558	12.485
9 Aroclor-1260 (1)	707880	753320	730224	682090	661614	591034	687694	8.373
(2)	828920	878480	872552	814641	791490	681478	811260	8.860
(3)	819980	893020	887356	824630	806406	681585	818829	9.337
(4)	1382400	1470420	1450816	1360139	1290896	1026657	1330221	12.192
(5)	848560	890070	907928	821066	833182	718248	836509	7.993
10 Aroclor-1262 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Aroclor-1268 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 2 Tetrachloro-m-xylene	21638000	22972500	23301400	21557400	21681720	19627790	21796468	5.963
$ 12 Decachlorobiphenyl	11551000	11959000	11977600	10533700	10736420	10835785	11265584	5.711

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1631

Lab File ID: 8EE10079 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.2127000	1.0000000	745900.00	0.001	21.27	20.00	LINR	<-
(2)	1.2247000	1.0000000	686680.00	0.001	22.47	20.00	LINR	<-
(3)	1.3282000	1.0000000	1521600.0	0.001	32.82	20.00	LINR	<-
(4)	1.2448000	1.0000000	838790.00	0.001	24.48	20.00	LINR	<-
(5)	1.1779000	1.0000000	597800.00	0.001	17.79	20.00	LINR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1631

Lab File ID: 8EE10079 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	456590.00	485710.00	0.001	6.38	20.00	AVRG
(2)	410400.00	432740.00	0.001	5.44	20.00	AVRG
(3)	844690.00	907390.00	0.001	7.42	20.00	AVRG
(4)	432180.00	452040.00	0.001	4.60	20.00	AVRG
(5)	418850.00	438420.00	0.001	4.67	20.00	AVRG
Average %D: 5.7000						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1652

Lab File ID: 8EE10080 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0543000	1.0000000	1088200.0	0.001	5.43	20.00	LINR
(2)	1.0917000	1.0000000	1623700.0	0.001	9.17	20.00	LINR
(3)	1.1294000	1.0000000	1569800.0	0.001	12.94	20.00	LINR
(4)	0.9414600	1.0000000	2059100.0	0.001	-5.85	20.00	LINR
(5)	0.9925600	1.0000000	1314800.0	0.001	-0.74	20.00	LINR

FORM VII PEST

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/17/11 Time: 1652

Lab File ID: 8EE10080 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 2347

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1260	687690.00	678970.00	0.001	-1.27	20.00	AVRG
(2)	811260.00	801450.00	0.001	-1.21	20.00	AVRG
(3)	818830.00	881360.00	0.001	7.64	20.00	AVRG
(4)	1330200.0	1230200.0	0.001	-7.52	20.00	AVRG
(5)	836510.00	786710.00	0.001	-5.95	20.00	AVRG
Average %D: -1.660						

FORM VII PEST

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10073.D
Lab Smp Id: AR1660 1.0
Inj Date : 17-MAY-2011 14:26
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info : SW846 8082
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 14:26 Cal File: 8EE10073.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

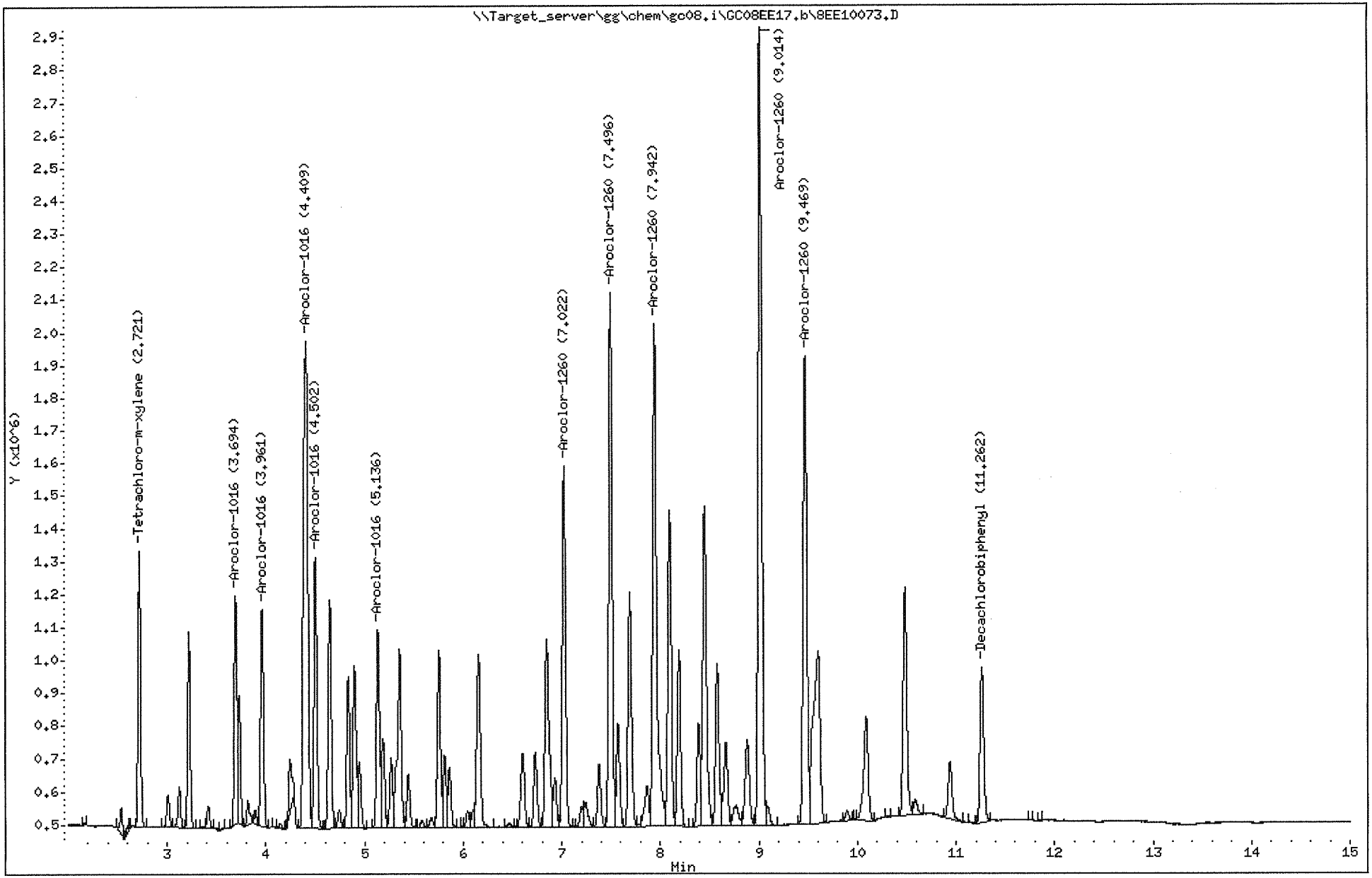
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.720	2.714	0.006	837574	0.02000	0.0200			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.693	3.684	0.009	693288	1.00000	1.00	80.00- 120.00	100.00	
3.960	3.952	0.008	657713	1.00000	1.00	158.77- 238.15	94.87	
4.408	4.401	0.007	1484494	1.00000	1.00	296.98- 445.46	214.12	
4.502	4.492	0.010	821781	1.00000	1.00	114.78- 172.17	118.53	
5.135	5.126	0.009	600738	1.00000	1.00	112.32- 168.48	86.65	
Average of Peak Amounts =					1.00000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.022	7.012	0.010	1097810	1.00000	1.00	80.00- 120.00	100.00	
7.495	7.486	0.009	1626158	1.00000	1.00	94.69- 142.03	148.13	
7.942	7.931	0.011	1530192	1.00000	1.00	89.28- 133.92	139.39	
9.013	9.004	0.009	2431098	1.00000	1.00	72.48- 108.72	221.45	
9.468	9.461	0.007	1423846	1.00000	1.00	0.00- 0.00	129.70	
Average of Peak Amounts =					1.00000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.262	11.252	0.010	472029	0.02000	0.0200			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10073.D
Date : 17-MAY-2011 14:26
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000050

Data File: 8EE10073.D
Report Date: 19-May-2011 08:58

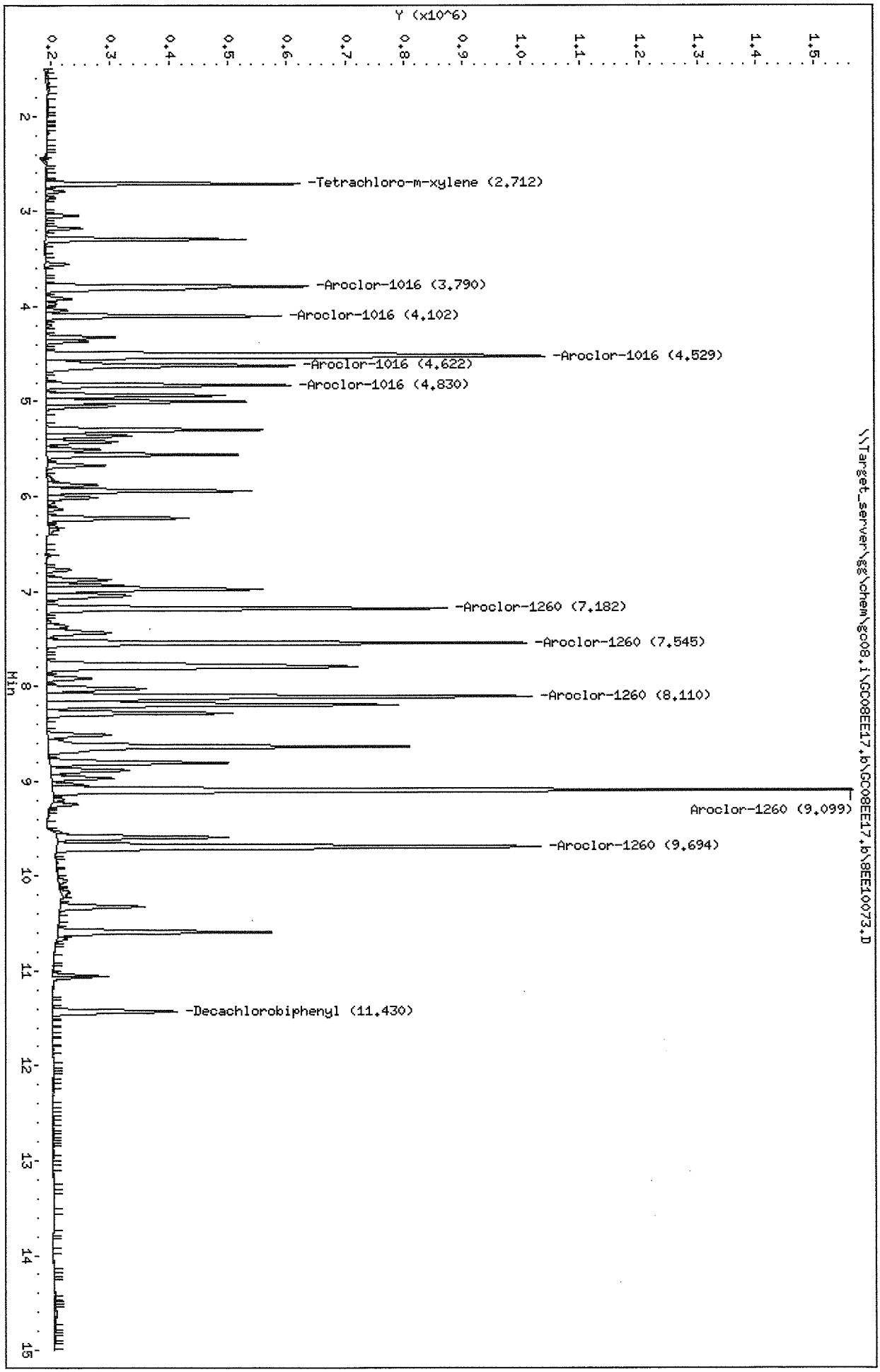
Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10073.D
Lab Smp Id: AR1660 1.0
Inj Date : 17-MAY-2011 14:26
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info : SW846 8082
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 14:26 Cal File: 8EE10073.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.712	2.714	-0.002	431148	0.02000	0.0200			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.790	3.794	-0.004	445510	1.00000	1.00	80.00- 120.00	100.00	
4.102	4.106	-0.004	398584	1.00000	1.00	158.77- 238.15	89.47	
4.528	4.531	-0.003	845958	1.00000	1.00	296.98- 445.46	189.89	
4.622	4.626	-0.004	421968	1.00000	1.00	114.78- 172.17	94.72	
4.830	4.832	-0.002	414867	1.00000	1.00	112.32- 168.48	93.12	
Average of Peak Amounts =					1.00000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.182	7.184	-0.002	682090	1.00000	1.00	80.00- 120.00	100.00	
7.545	7.546	-0.001	814641	1.00000	1.00	94.69- 142.03	119.43	
8.110	8.109	0.001	824630	1.00000	1.00	89.28- 133.92	120.90	
9.098	9.097	0.001	1360139	1.00000	1.00	72.48- 108.72	199.41	
9.693	9.692	0.001	821066	1.00000	1.00	0.00- 0.00	120.38	
Average of Peak Amounts =					1.00000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.430	11.427	0.003	210674	0.02000	0.0200			(a)


Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10073.D
Date : 17-MAY-2011 14:26
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2
Instrument: gc08.i
Operator: JLP
Column diameter: 0.53
\\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10073.D
Y (x10^6)
Min
-Tetrachloro-m-xylene (2.712)
-Aroclor-1016 (3.790)
-Aroclor-1016 (4.102)
-Aroclor-1016 (4.529)
-Aroclor-1016 (4.622)
-Aroclor-1016 (4.830)
-Aroclor-1260 (7.182)
-Aroclor-1260 (7.545)
-Aroclor-1260 (8.110)
Aroclor-1260 (9.099)
-Aroclor-1260 (9.694)
-Decachlorobiphenyl (11.430)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10074.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10074.D
Lab Smp Id: AR1660 0.05
Inj Date : 17-MAY-2011 14:47
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.05
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 14:47 Cal File: 8EE10074.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

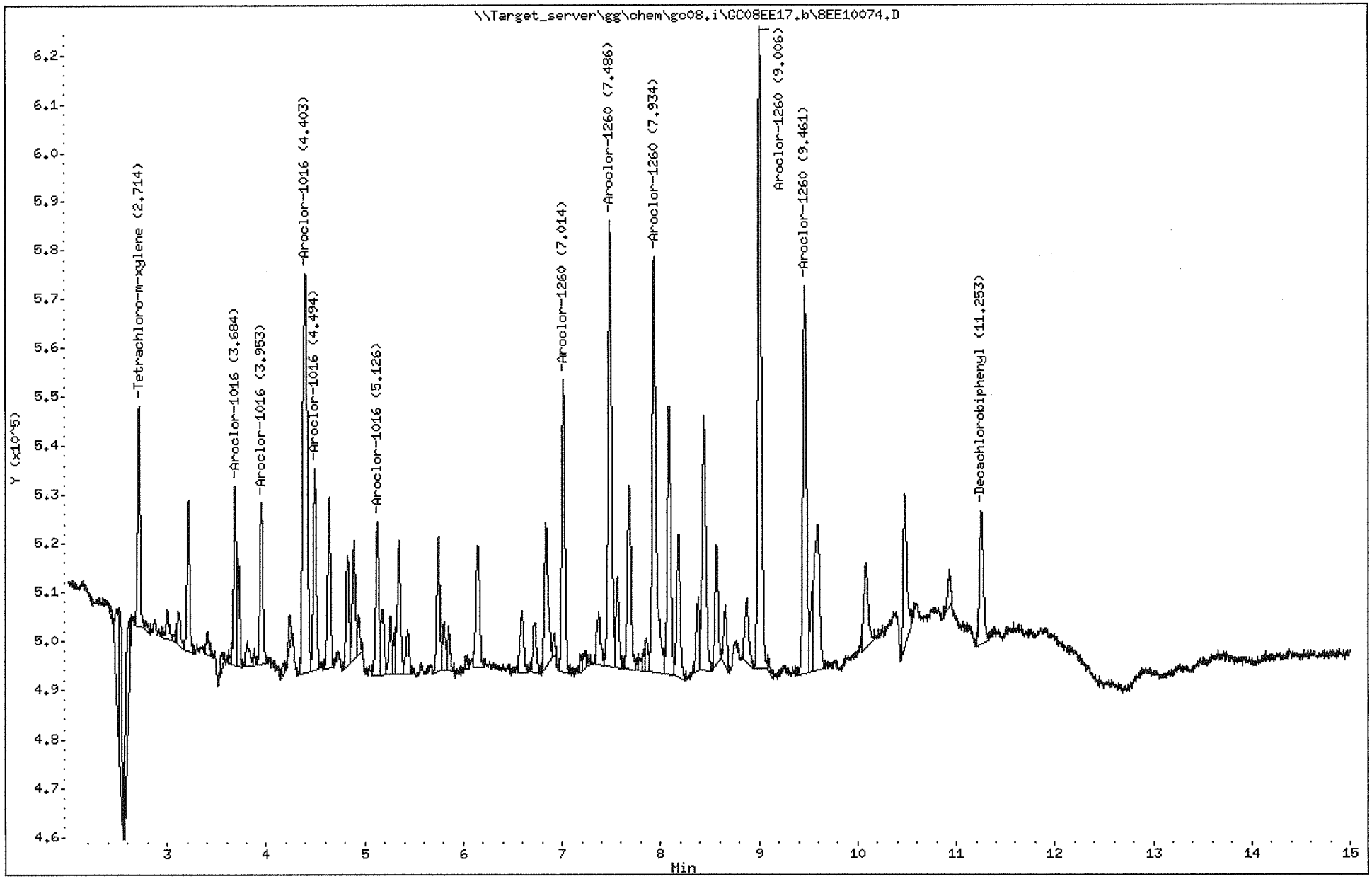
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.714	0.000	45093	0.00100	0.00100			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.684	3.684	0.000	36621	0.05000	0.0500	80.00- 120.00	100.00	(a)
3.952	3.952	0.000	33139	0.05000	0.0500	158.77- 238.15	90.49	
4.402	4.401	0.001	81504	0.05000	0.0500	296.98- 445.46	222.56	
4.494	4.492	0.002	41260	0.05000	0.0500	114.78- 172.17	112.67	
5.125	5.126	-0.001	31366	0.05000	0.0500	112.32- 168.48	85.65	
Average of Peak Amounts =					0.05000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.014	7.012	0.002	59613	0.05000	0.0500	80.00- 120.00	100.00	(a)
7.485	7.486	-0.001	91173	0.05000	0.0500	94.69- 142.03	152.94	
7.934	7.931	0.003	84810	0.05000	0.0500	89.28- 133.92	142.27	
9.005	9.004	0.001	131018	0.05000	0.0500	72.48- 108.72	219.78	
9.460	9.461	-0.001	79174	0.05000	0.0500	0.00- 0.00	132.81	
Average of Peak Amounts =					0.05000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.252	11.252	0.000	27138	0.00100	0.00100			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10074.D
Date : 17-MAY-2011 14:47
Client ID:
Sample Info: AR1660 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000054

Data File: 8EE10074.D
Report Date: 19-May-2011 08:58

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10074.D
Lab Smp Id: AR1660 0.05
Inj Date : 17-MAY-2011 14:47
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.05
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 14:47 Cal File: 8EE10074.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

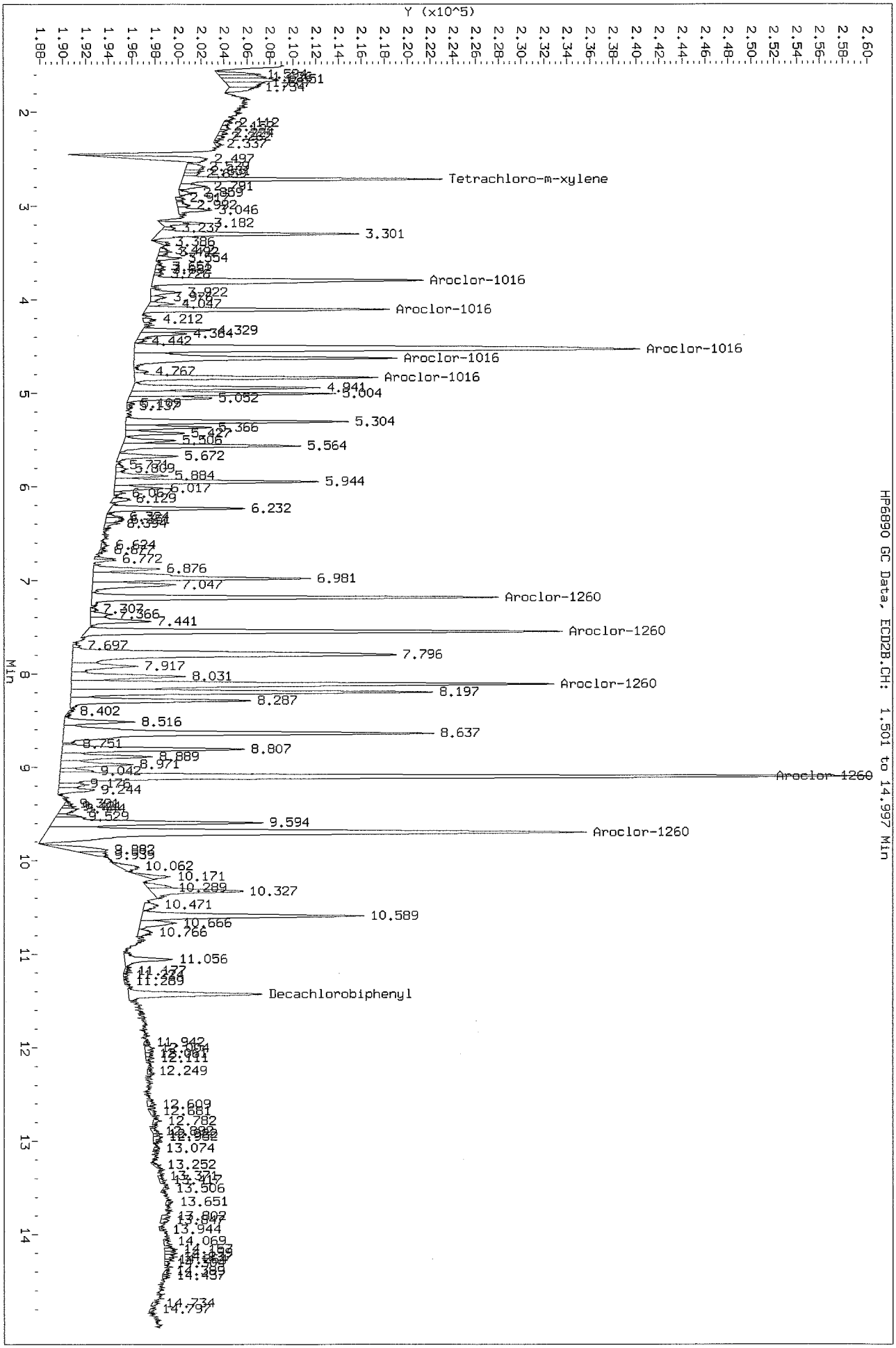
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	21638	0.00100	0.000982		(aM)	M5
5 Aroclor-1016					CAS #: 12674-11-2			
3.794	3.794	0.000	23553	0.05000	0.0516	80.00- 120.00	100.00(a)	
4.104	4.106	-0.002	21244	0.05000	0.0518	158.77- 238.15	90.20	
4.530	4.531	-0.001	44082	0.05000	0.0522	296.98- 445.46	187.16	
4.625	4.626	-0.001	22898	0.05000	0.0530	114.78- 172.17	97.22	
4.832	4.832	0.000	21181	0.05000	0.0506	112.32- 168.48	89.93	
Average of Peak Amounts =					0.05184			
9 Aroclor-1260					CAS #: 11096-82-5			
7.182	7.184	-0.002	35394	0.05000	0.0515	80.00- 120.00	100.00(aM)	
7.547	7.546	0.001	41446	0.05000	0.0511	94.69- 142.03	117.10	
8.110	8.109	0.001	40999	0.05000	0.0501	89.28- 133.92	115.84	
9.097	9.097	0.000	69120	0.05000	0.0520	72.48- 108.72	195.29	
9.695	9.692	0.003	42428	0.05000	0.0502	0.00- 0.00	119.87	
Average of Peak Amounts =					0.05098			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.425	11.427	-0.002	11551	0.00100	0.00102		(a)	

JLP 05191

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10074.D
Injection Date: 17-MAY-2011 14:47
Instrument: gc08.i
Client Sample ID:



HP6890 GC Data, ECD2B.CH: 1.501 to 14.997 Min

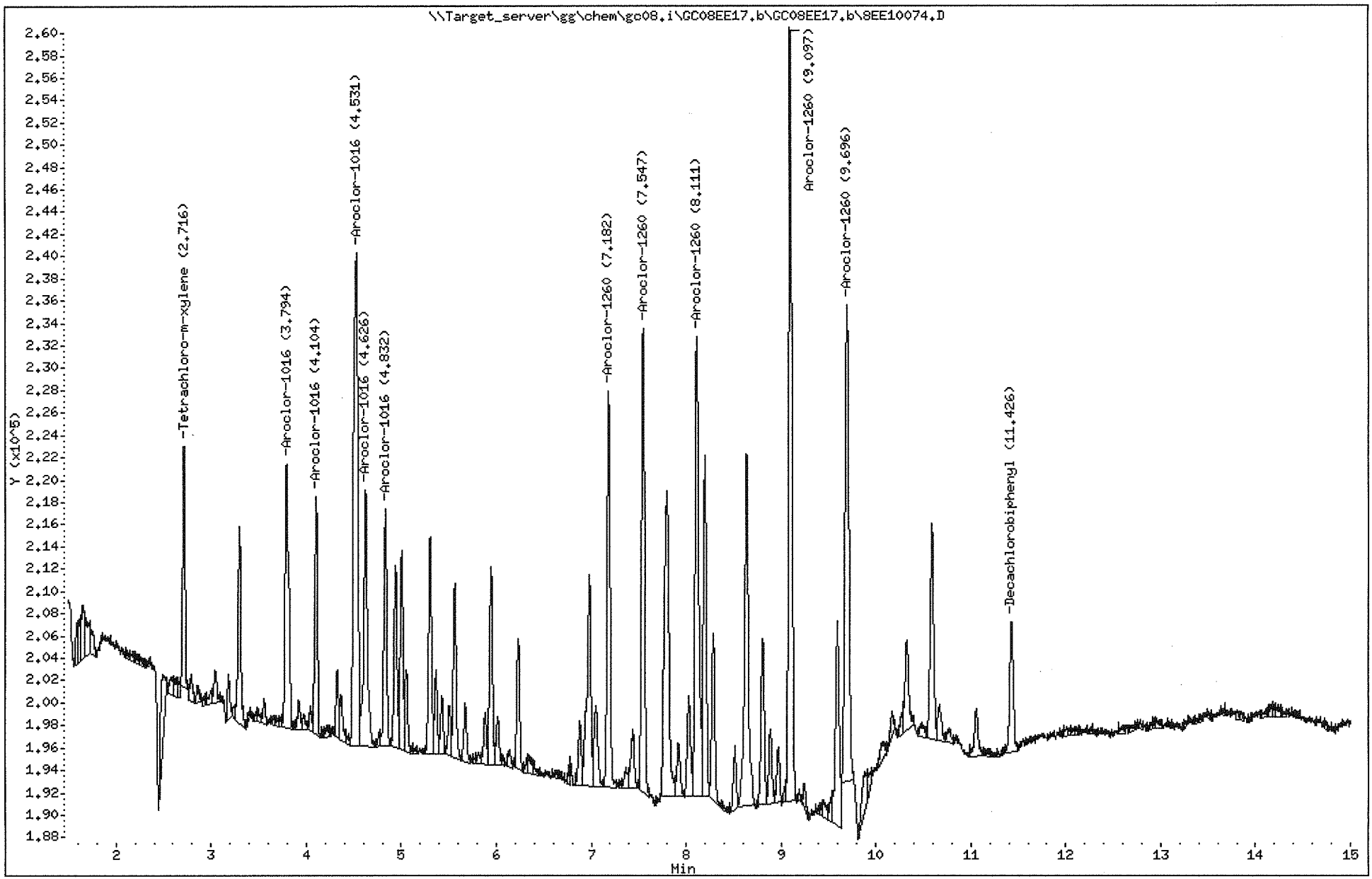
BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10074.D
Date : 17-MAY-2011 14:47
Client ID:
Sample Info: AR1660 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000057

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10075.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10075.D
Lab Smp Id: AR1660 0.1
Inj Date : 17-MAY-2011 15:08
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.1
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:08 Cal File: 8EE10075.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

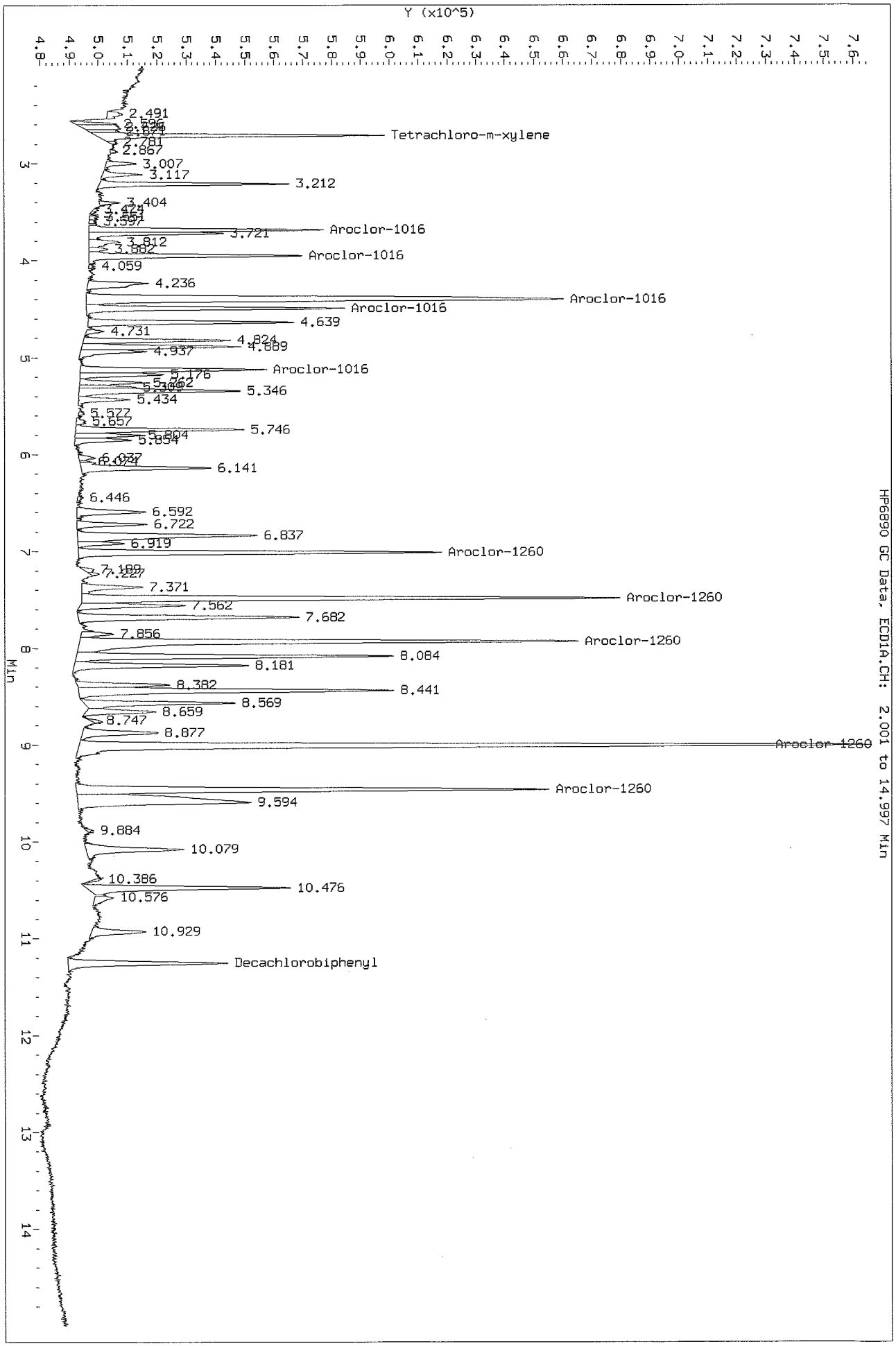
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	91910	0.00200	0.00199		(aM)	M4
6 Aroclor-1016					CAS #: 12674-11-2			
3.685	3.684	0.001	80262	0.10000	0.106	80.00- 120.00	100.00(a)	
3.952	3.952	0.000	73043	0.10000	0.104	158.77- 238.15	91.01	
4.402	4.401	0.001	164221	0.10000	0.0999	296.98- 445.46	204.61	
4.493	4.492	0.001	88664	0.10000	0.0990	114.78- 172.17	110.47	
5.123	5.126	-0.003	63645	0.10000	0.0967	112.32- 168.48	79.30	
Average of Peak Amounts =					0.10112			
9 Aroclor-1260					CAS #: 11096-82-5			
7.012	7.012	0.000	124774	0.10000	0.104	80.00- 120.00	100.00(a)	
7.485	7.486	-0.001	185113	0.10000	0.102	94.69- 142.03	148.36	
7.930	7.931	-0.001	171532	0.10000	0.100	89.28- 133.92	137.47	
9.005	9.004	0.001	272387	0.10000	0.103	72.48- 108.72	218.30	
9.460	9.461	-0.001	162473	0.10000	0.0997	0.00- 0.00	130.21	
Average of Peak Amounts =					0.10174			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.252	11.252	0.000	54534	0.00200	0.00208		(a)	

JLP 051911

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10075.D
Injection Date: 17-MAY-2011 15:08
Instrument: gc08.i
Client Sample ID:



HP6890 GC Data, ECD1A.CH: 2.001 to 14.997 Min

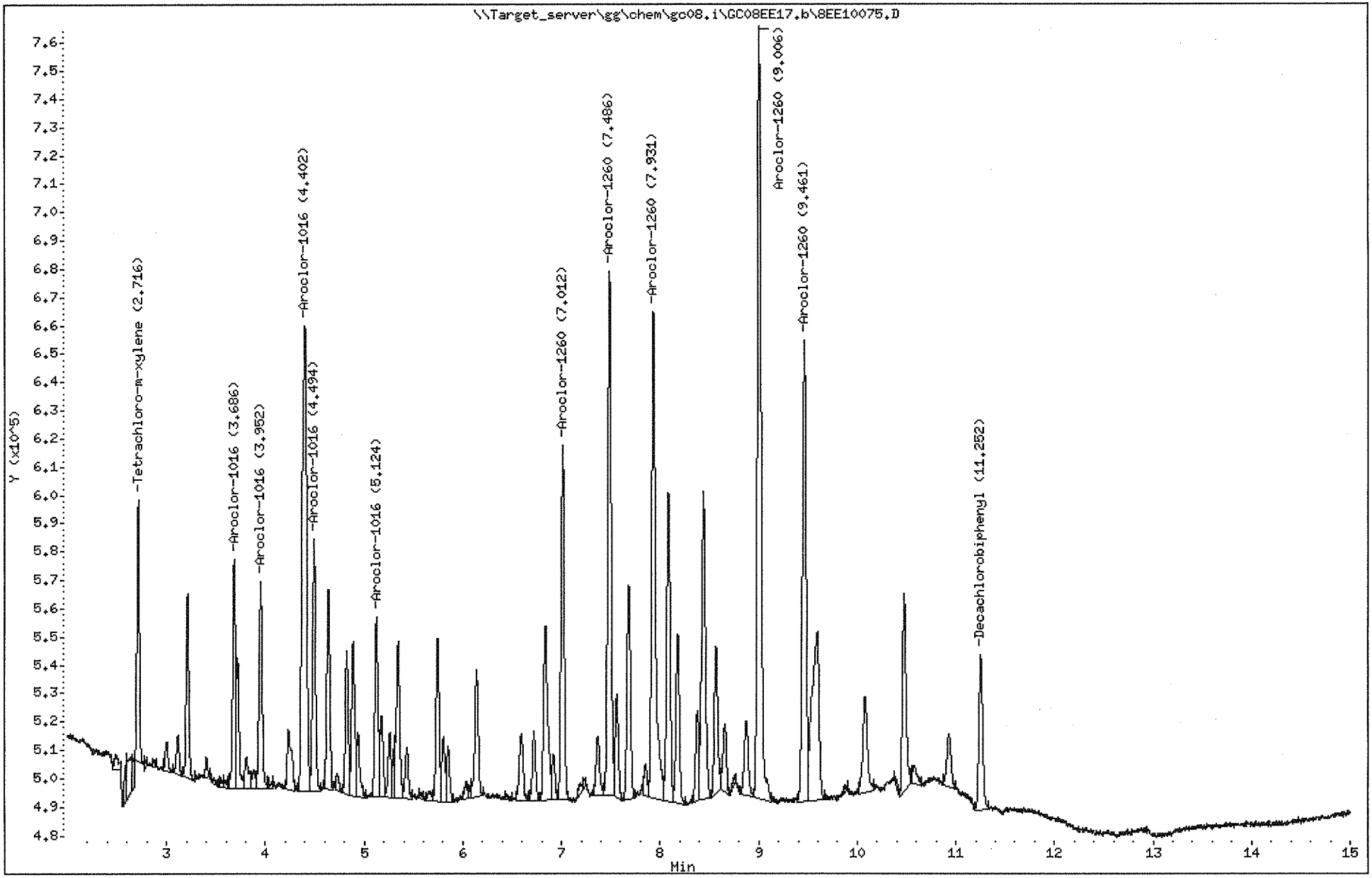
BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10075.D
Date : 17-MAY-2011 15:08
Client ID:
Sample Info: AR1660 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000060

Data File: 8EE10075.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

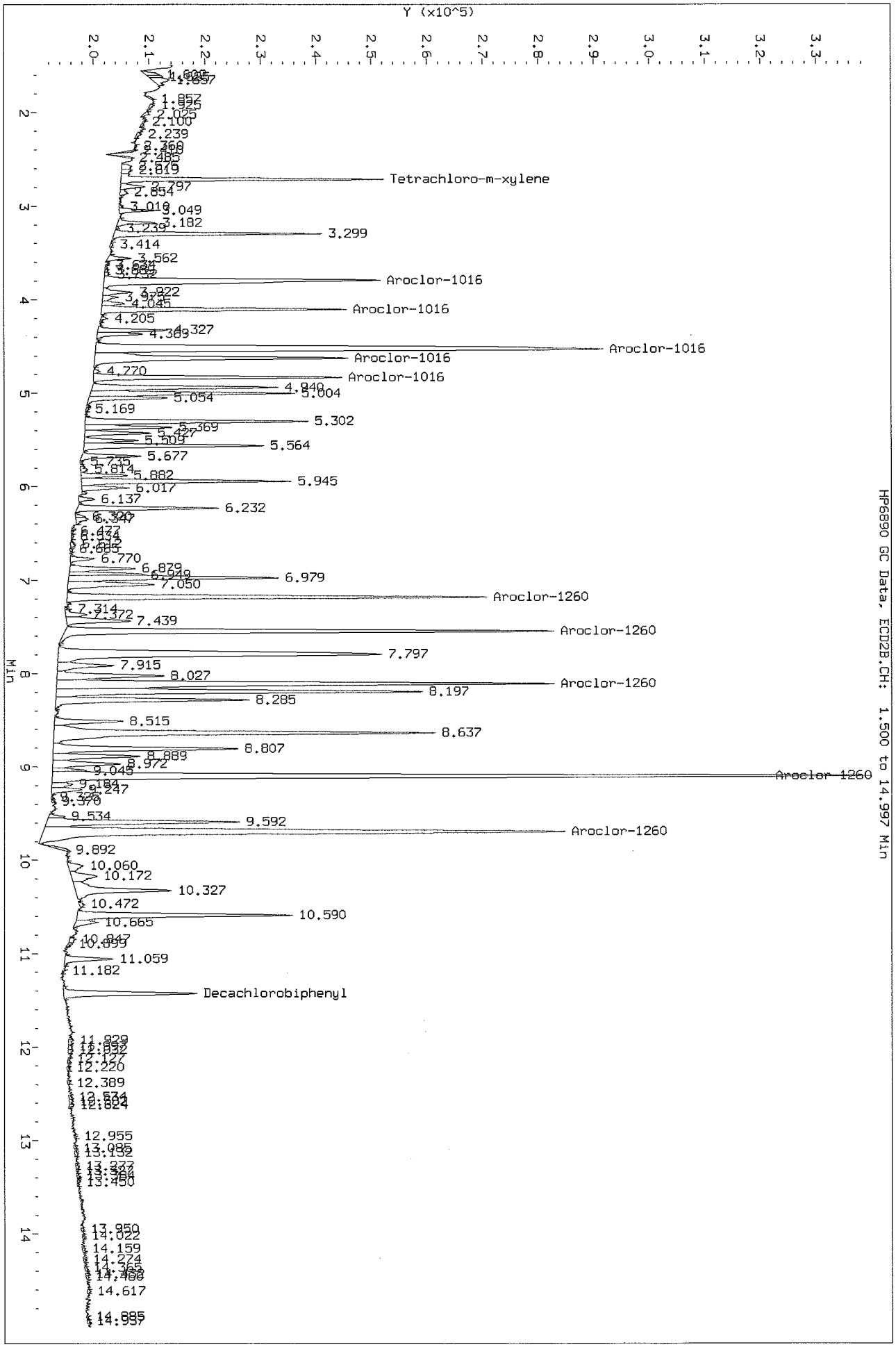
Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10075.D
Lab Smp Id: AR1660 0.1
Inj Date : 17-MAY-2011 15:08
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.1
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:08 Cal File: 8EE10075.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	45945	0.00200	0.00210		(aM)	M4
5 Aroclor-1016					CAS #: 12674-11-2			
3.793	3.794	-0.001	49653	0.10000	0.109	80.00- 120.00	100.00(a)	
4.105	4.106	-0.001	44045	0.10000	0.107	158.77- 238.15	88.71	
4.530	4.531	-0.001	91250	0.10000	0.108	296.98- 445.46	183.78	
4.625	4.626	-0.001	45496	0.10000	0.105	114.78- 172.17	91.63	
4.833	4.832	0.001	44605	0.10000	0.106	112.32- 168.48	89.83	
Average of Peak Amounts =					0.10700			
9 Aroclor-1260					CAS #: 11096-82-5			
7.182	7.184	-0.002	75332	0.10000	0.110	80.00- 120.00	100.00(aM)	
7.547	7.546	0.001	87848	0.10000	0.108	94.69- 142.03	116.61	
8.110	8.109	0.001	89302	0.10000	0.109	89.28- 133.92	118.54	
9.098	9.097	0.001	147042	0.10000	0.110	72.48- 108.72	195.19	
9.693	9.692	0.001	89007	0.10000	0.106	0.00- 0.00	124.38	
Average of Peak Amounts =					0.10860			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.427	11.427	0.000	23918	0.00200	0.00212		(a)	

JLP 05/19/11



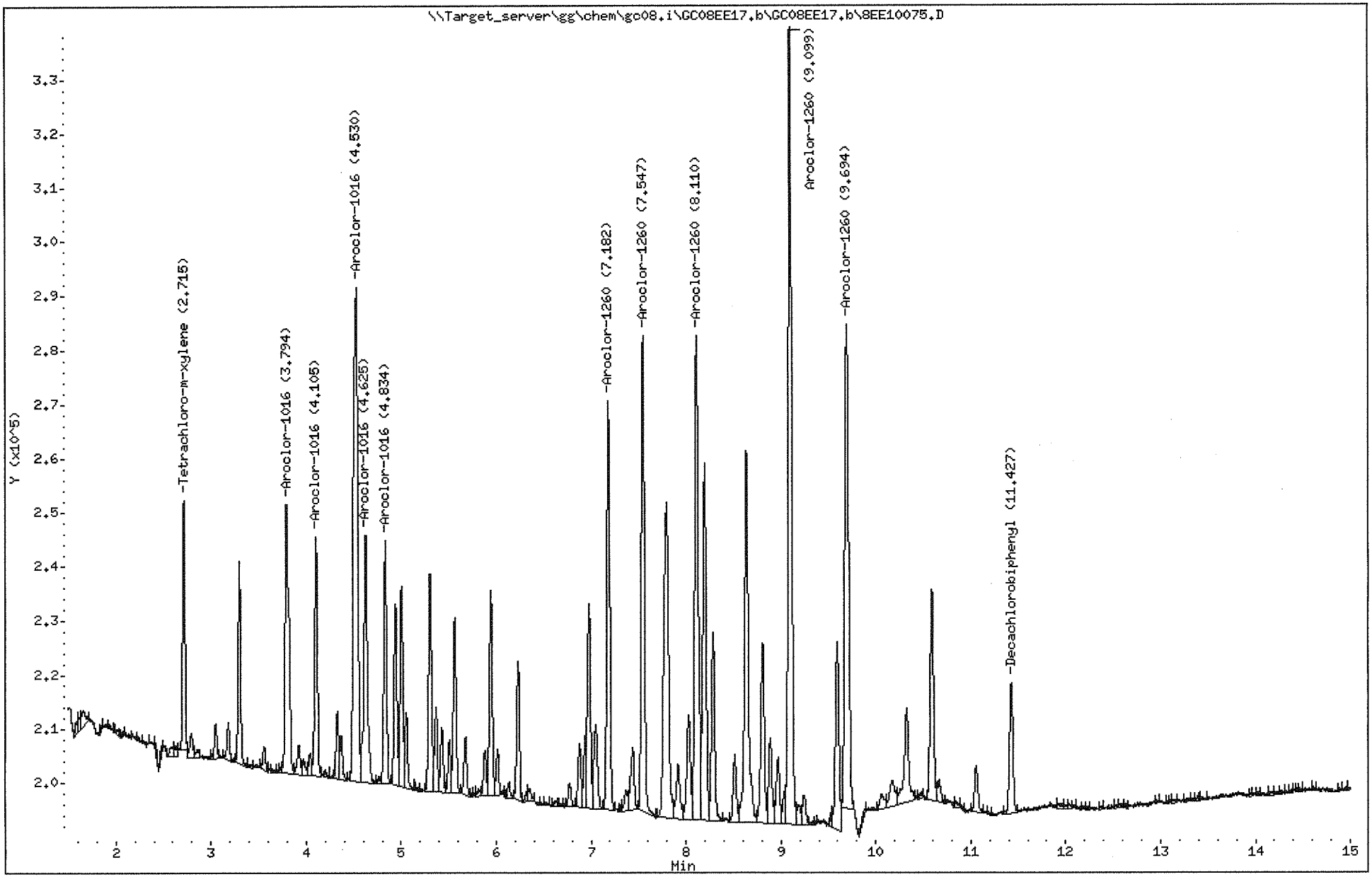
BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10075.D
Date : 17-MAY-2011 15:08
Client ID:
Sample Info: AR1660 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000063

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10076.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10076.D
Lab Smp Id: AR1660 0.25
Inj Date : 17-MAY-2011 15:29
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:29 Cal File: 8EE10076.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

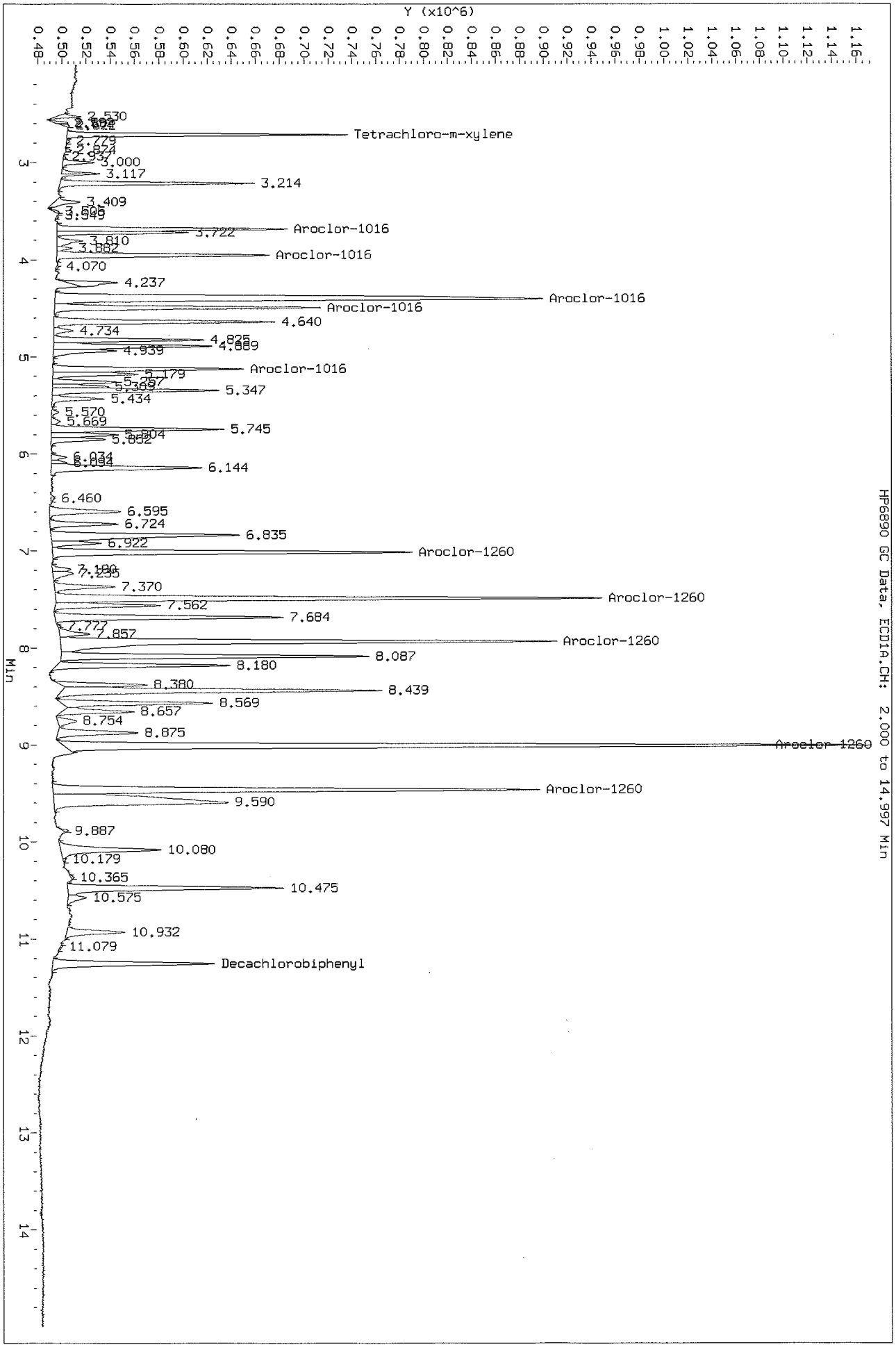
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	232267	0.00500	0.00526		(a)	
6 Aroclor-1016					CAS #: 12674-11-2			
3.685	3.684	0.001	190123	0.25000	0.260	80.00- 120.00	100.00(a)	
3.951	3.952	-0.001	175450	0.25000	0.254	158.77- 238.15	92.28	
4.401	4.401	0.000	404698	0.25000	0.253	296.98- 445.46	212.86	
4.493	4.492	0.001	219594	0.25000	0.256	114.78- 172.17	115.50	
5.125	5.126	-0.001	157659	0.25000	0.255	112.32- 168.48	82.92	
Average of Peak Amounts =					0.25560			
9 Aroclor-1260					CAS #: 11096-82-5			
7.011	7.012	-0.001	297851	0.25000	0.252	80.00- 120.00	100.00(aM)	M9
7.486	7.486	0.000	452840	0.25000	0.252	94.69- 142.03	152.04	M9
7.931	7.931	0.000	411243	0.25000	0.249	89.28- 133.92	138.07	M9
9.006	9.004	0.002	674568	0.25000	0.238	72.48- 108.72	224.67	M9
9.461	9.461	0.000	403209	0.25000	0.262	0.00- 0.00	135.37	M9
Average of Peak Amounts =					0.25060			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.253	11.252	0.001	133344	0.00500	0.00534		(a)	

JLP 051911

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10076.D
Injection Date: 17-MAY-2011 15:29
Instrument: gc08.i
Client Sample ID:



HP6890 GC Data, ECD1A.CH: 2.000 to 14.997 Min

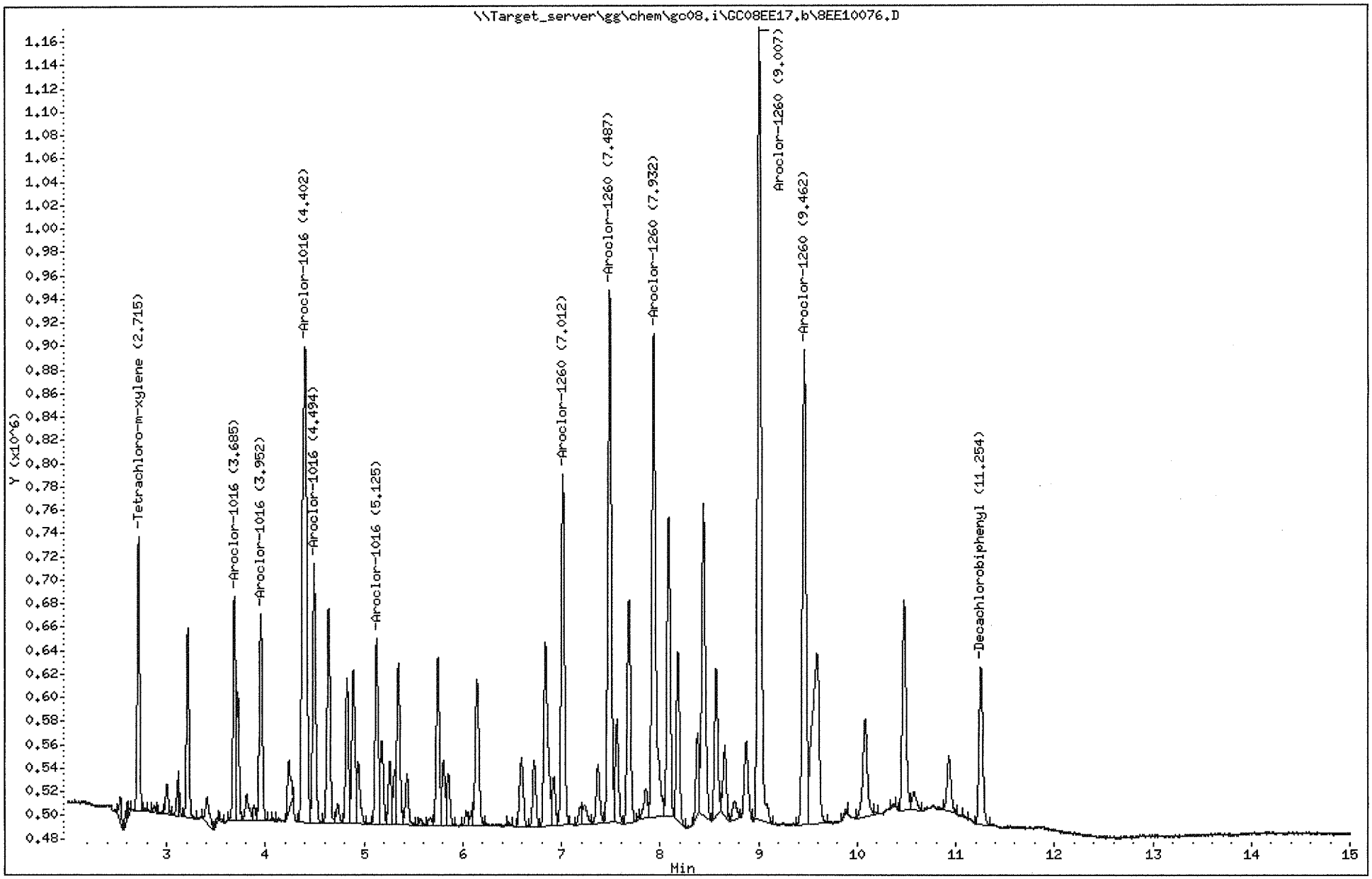
BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10076.D
Date : 17-MAY-2011 15:29
Client ID:
Sample Info: AR1660 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000066

Data File: 8EE10076.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10076.D
Lab Smp Id: AR1660 0.25
Inj Date : 17-MAY-2011 15:29
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:29 Cal File: 8EE10076.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

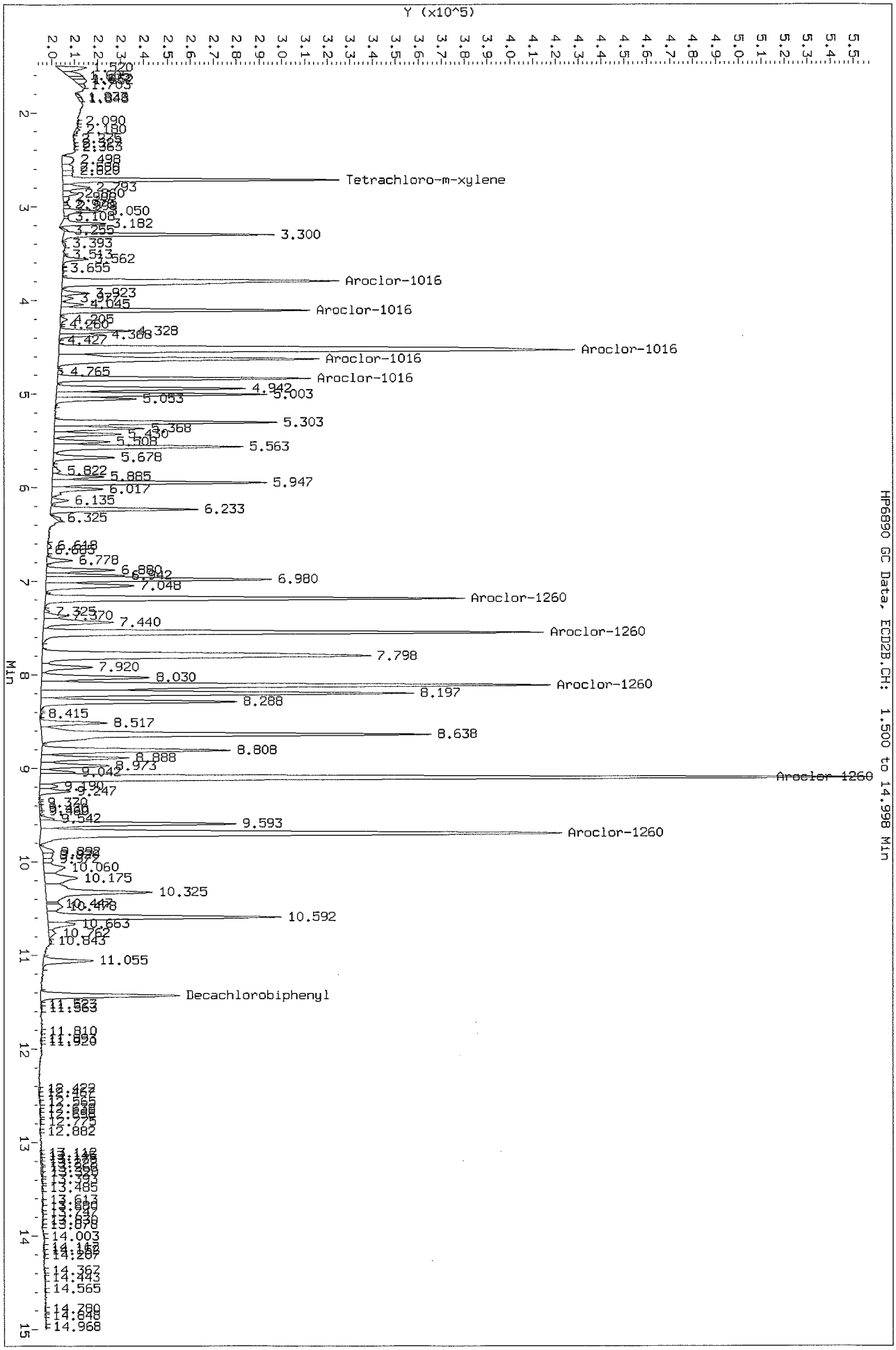
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.716	2.714	0.002	116507	0.00500	0.00534		(aM)	M4
5 Aroclor-1016					CAS #: 12674-11-2			
3.793	3.794	-0.001	120509	0.25000	0.264	80.00- 120.00	100.00(a)	
4.105	4.106	-0.001	108165	0.25000	0.264	158.77- 238.15	89.76	
4.531	4.531	0.000	225167	0.25000	0.266	296.98- 445.46	186.85	
4.626	4.626	0.000	113439	0.25000	0.262	114.78- 172.17	94.13	
4.833	4.832	0.001	110158	0.25000	0.263	112.32- 168.48	91.41	
Average of Peak Amounts =					0.26380			
9 Aroclor-1260					CAS #: 11096-82-5			
7.183	7.184	-0.001	182556	0.25000	0.265	80.00- 120.00	100.00(a)	
7.546	7.546	0.000	218138	0.25000	0.269	94.69- 142.03	119.49	
8.111	8.109	0.002	221839	0.25000	0.271	89.28- 133.92	121.52	
9.098	9.097	0.001	362704	0.25000	0.273	72.48- 108.72	198.68	
9.693	9.692	0.001	226982	0.25000	0.271	0.00- 0.00	124.34	
Average of Peak Amounts =					0.26980			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.430	11.427	0.003	59888	0.00500	0.00532		(a)	

JLP 05/19/11

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10076.D
Injection Date: 17-MAY-2011 15:29
Instrument: gc08.i
Client Sample ID:

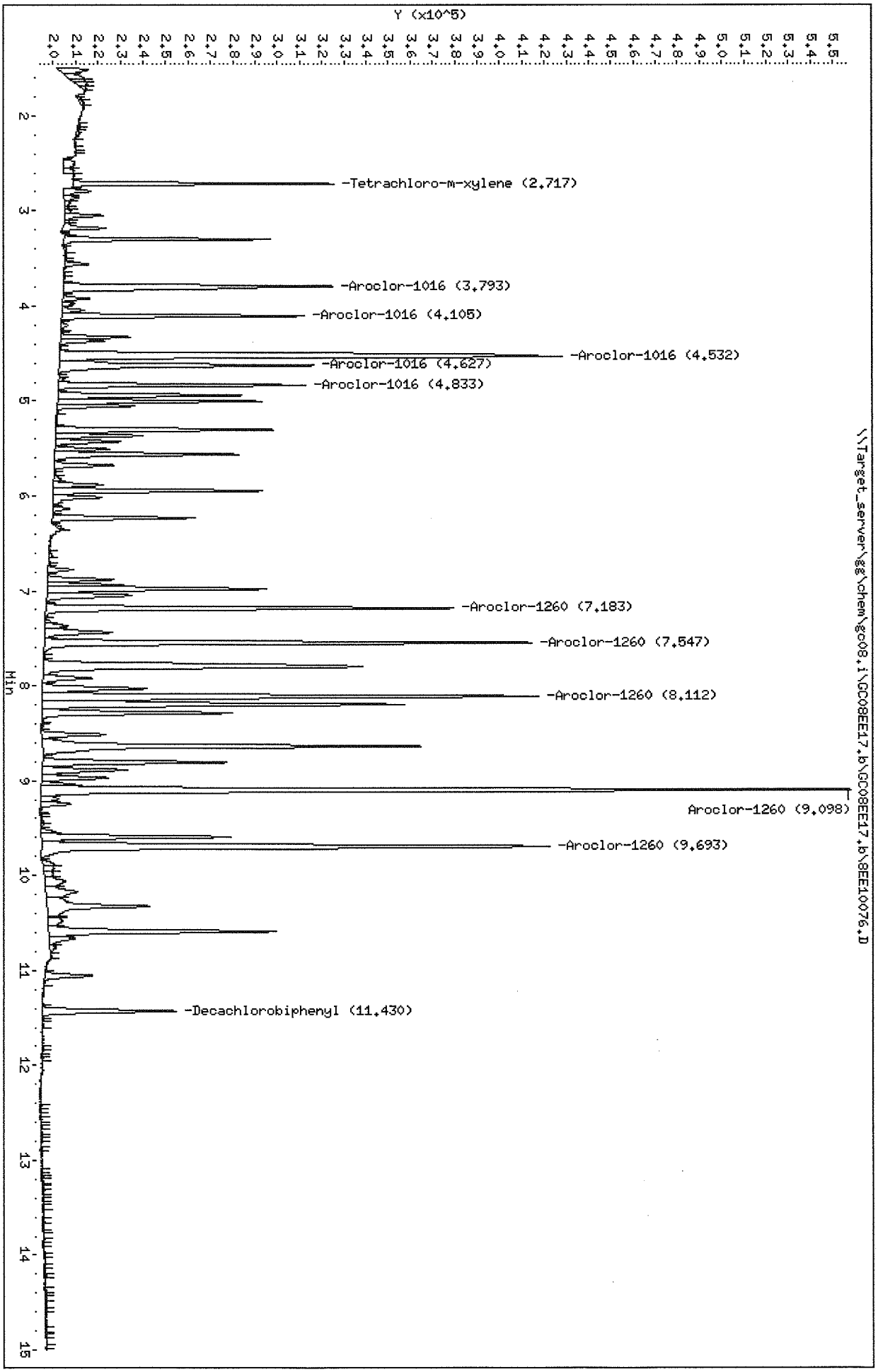


HP6890 GC Data, ECD2B.CH: 1.500 to 14.998 Min

BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10076.D
Date : 17-MAY-2011 15:29
Client ID:
Sample Info: AR1660 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



AFTER
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10077.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10077.D
Lab Smp Id: AR1660 2.5
Inj Date : 17-MAY-2011 15:49
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 2.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:49 Cal File: 8EE10077.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

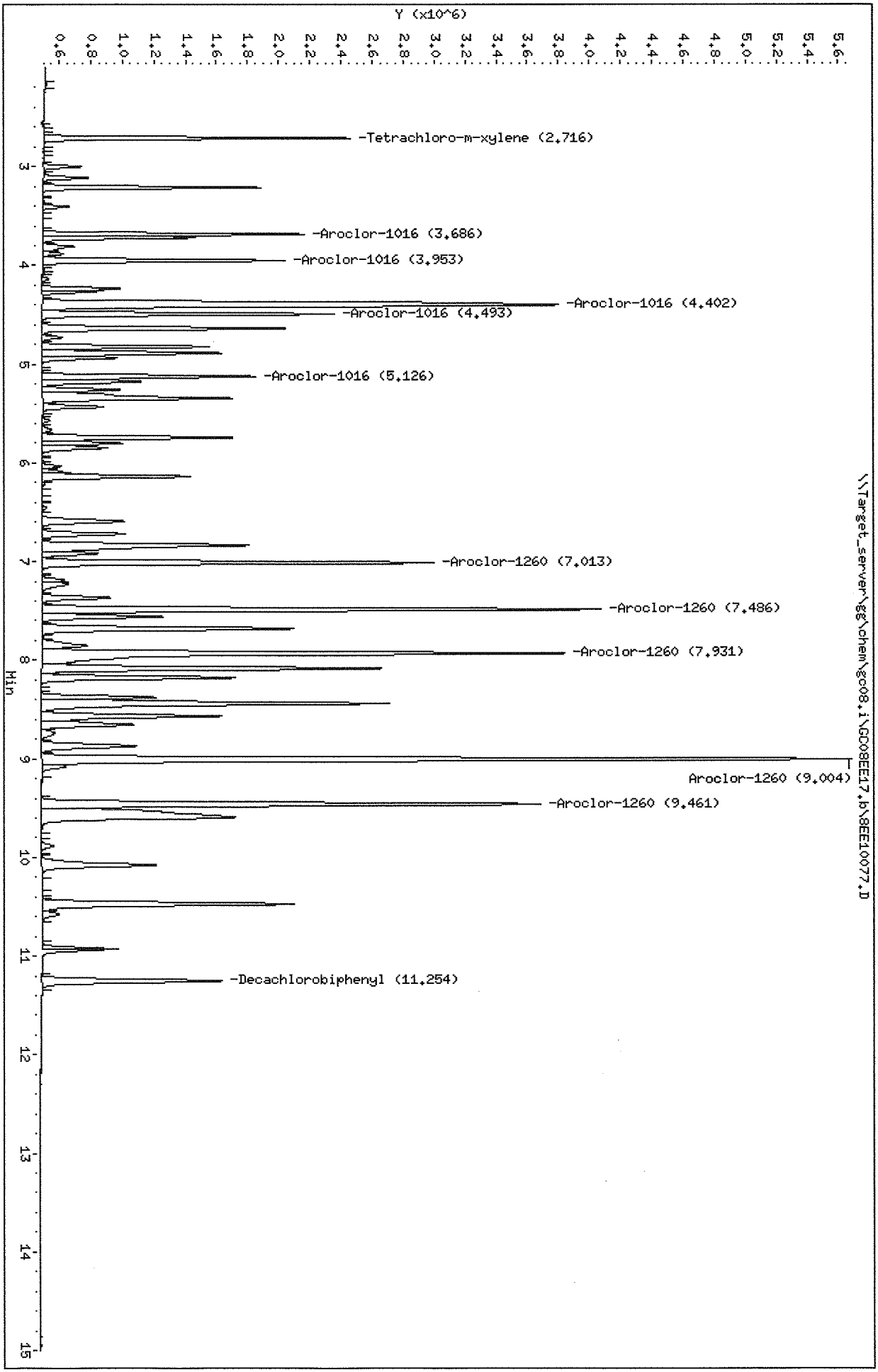
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	1959041	0.05000	0.0500			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.685	3.684	0.001	1666500	2.50000	2.50	80.00- 120.00	100.00	
3.952	3.952	0.000	1549975	2.50000	2.50	158.77- 238.15	93.01	
4.402	4.401	0.001	3308023	2.50000	2.50	296.98- 445.46	198.50	
4.492	4.492	0.000	1864446	2.50000	2.50	114.78- 172.17	111.88	
5.125	5.126	-0.001	1364812	2.50000	2.50	112.32- 168.48	81.90	
Average of Peak Amounts =					2.50000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.012	7.012	0.000	2511268	2.50000	2.50	80.00- 120.00	100.00	
7.485	7.486	-0.001	3581679	2.50000	2.50	94.69- 142.03	142.62	
7.930	7.931	-0.001	3350823	2.50000	2.50	89.28- 133.92	133.43	
9.004	9.004	0.000	5193121	2.50000	2.50	72.48- 108.72	206.79	
9.460	9.461	-0.001	3193424	2.50000	2.50	0.00- 0.00	127.16	
Average of Peak Amounts =					2.50000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.254	11.252	0.002	1151074	0.05000	0.0500			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10077.D
Date : 17-MAY-2011 15:49
Client ID:
Sample Info: AR1660 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10077.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10077.D
Lab Smp Id: AR1660 2.5
Inj Date : 17-MAY-2011 15:49
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 2.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 15:49 Cal File: 8EE10077.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

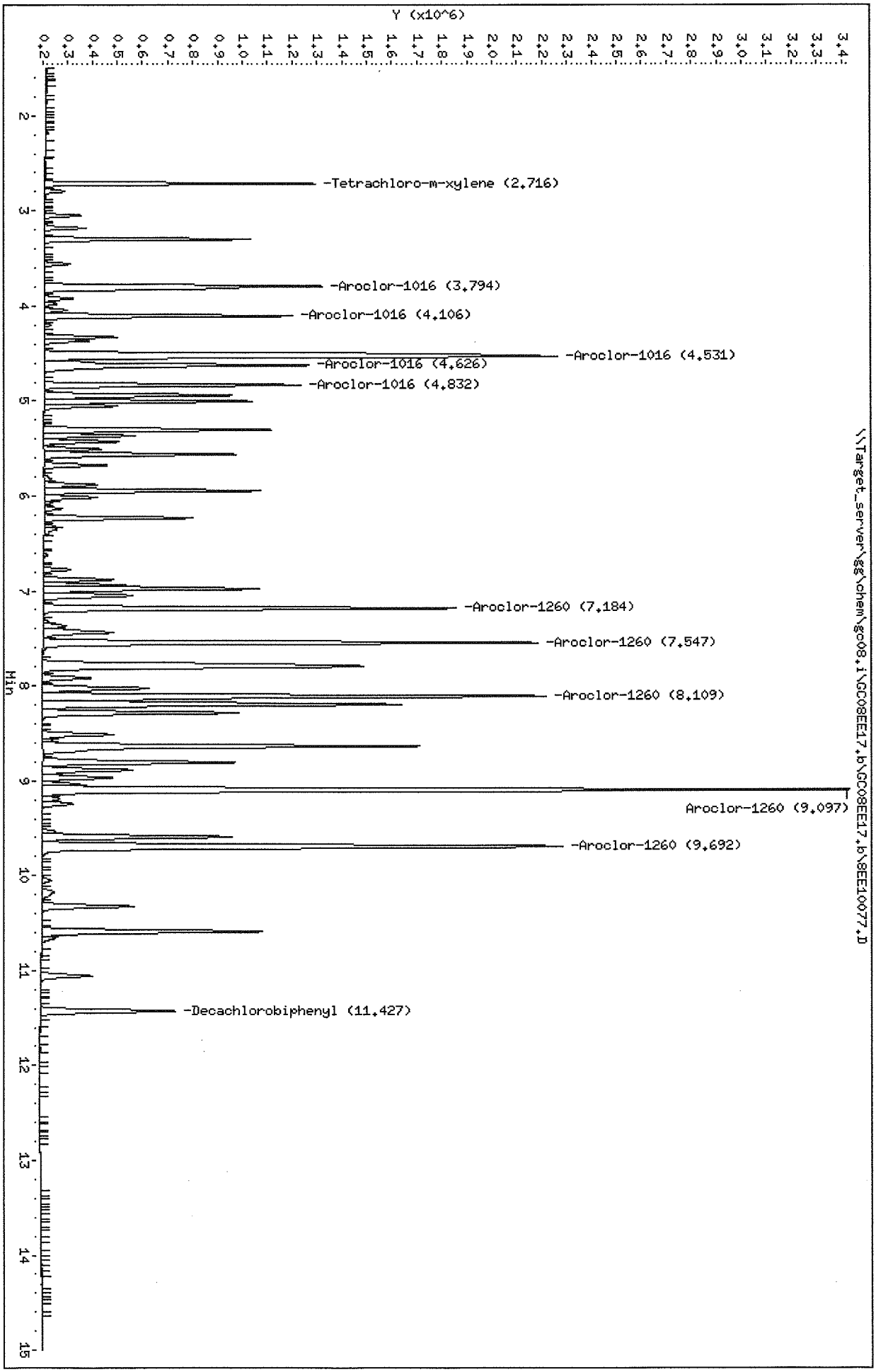
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.715	2.714	0.001	1084086	0.05000	0.0477			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.794	3.794	0.000	1116389	2.50000	2.38	80.00- 120.00	100.00	
4.105	4.106	-0.001	998090	2.50000	2.38	158.77- 238.15	89.40	
4.530	4.531	-0.001	2054694	2.50000	2.35	296.98- 445.46	184.05	
4.625	4.626	-0.001	1058406	2.50000	2.39	114.78- 172.17	94.81	
4.832	4.832	0.000	1028960	2.50000	2.41	112.32- 168.48	92.17	
Average of Peak Amounts =					2.38200			
9 Aroclor-1260					CAS #: 11096-82-5			
7.184	7.184	0.000	1654034	2.50000	2.34	80.00- 120.00	100.00	
7.547	7.546	0.001	1978724	2.50000	2.36	94.69- 142.03	119.63	
8.109	8.109	0.000	2016014	2.50000	2.37	89.28- 133.92	121.88	
9.097	9.097	0.000	3227240	2.50000	2.31	72.48- 108.72	195.11	
9.692	9.692	0.000	2082955	2.50000	2.34	0.00- 0.00	125.93	
Average of Peak Amounts =					2.34400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.427	11.427	0.000	536821	0.05000	0.0473			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10077.D
Date : 17-MAY-2011 15:49
Client ID:
Sample Info: AR1660 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10078.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10078.D
Lab Smp Id: AR1660 10
Inj Date : 17-MAY-2011 16:10
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 10
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 16:10 Cal File: 8EE10078.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

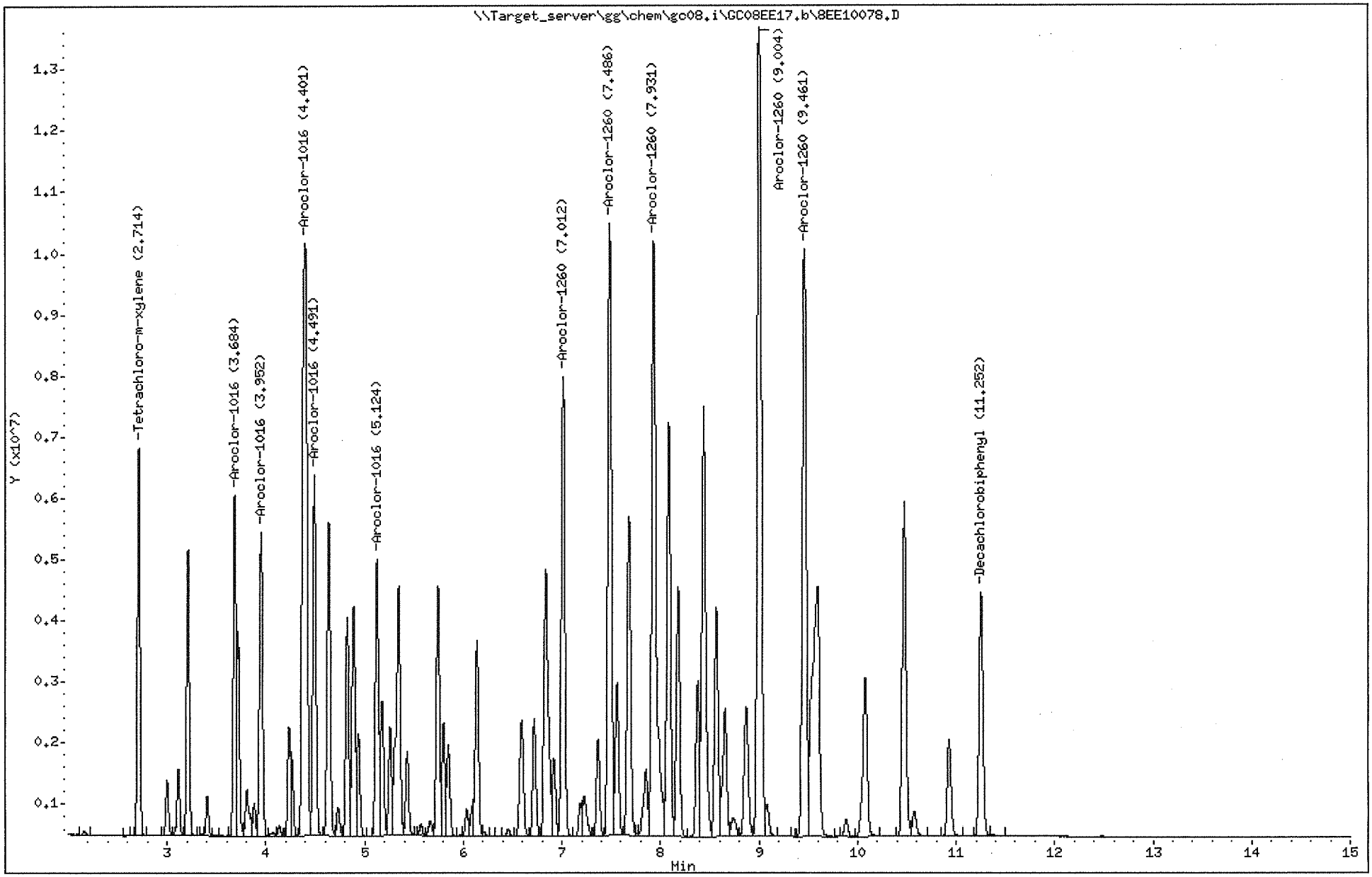
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.714	0.000	6315719	0.20000	0.200			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.684	3.684	0.000	5562080	10.0000	10.0	80.00- 120.00	100.00	(A)
3.952	3.952	0.000	4961720	10.0000	10.0	158.77- 238.15	89.21	
4.400	4.401	-0.001	9670068	10.0000	10.0	296.98- 445.46	173.86	
4.490	4.492	-0.002	5890512	10.0000	10.0	114.78- 172.17	105.90	
5.124	5.126	-0.002	4518059	10.0000	10.0	112.32- 168.48	81.23	
Average of Peak Amounts =					10.0000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.012	7.012	0.000	7489594	10.0000	10.0	80.00- 120.00	100.00	
7.485	7.486	-0.001	9993288	10.0000	10.0	94.69- 142.03	133.43	
7.930	7.931	-0.001	9702131	10.0000	10.0	89.28- 133.92	129.54	
9.004	9.004	0.000	13195226	10.0000	10.0	72.48- 108.72	176.18	
9.460	9.461	-0.001	9581855	10.0000	10.0	0.00- 0.00	127.94	
Average of Peak Amounts =					10.0000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.252	11.252	0.000	3971977	0.20000	0.200			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10078.D
Date : 17-MAY-2011 16:10
Client ID:
Sample Info: AR1660 10
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000075

Data File: 8EE10078.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10078.D
Lab Smp Id: AR1660 10
Inj Date : 17-MAY-2011 16:10
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 10
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 16:10 Cal File: 8EE10078.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

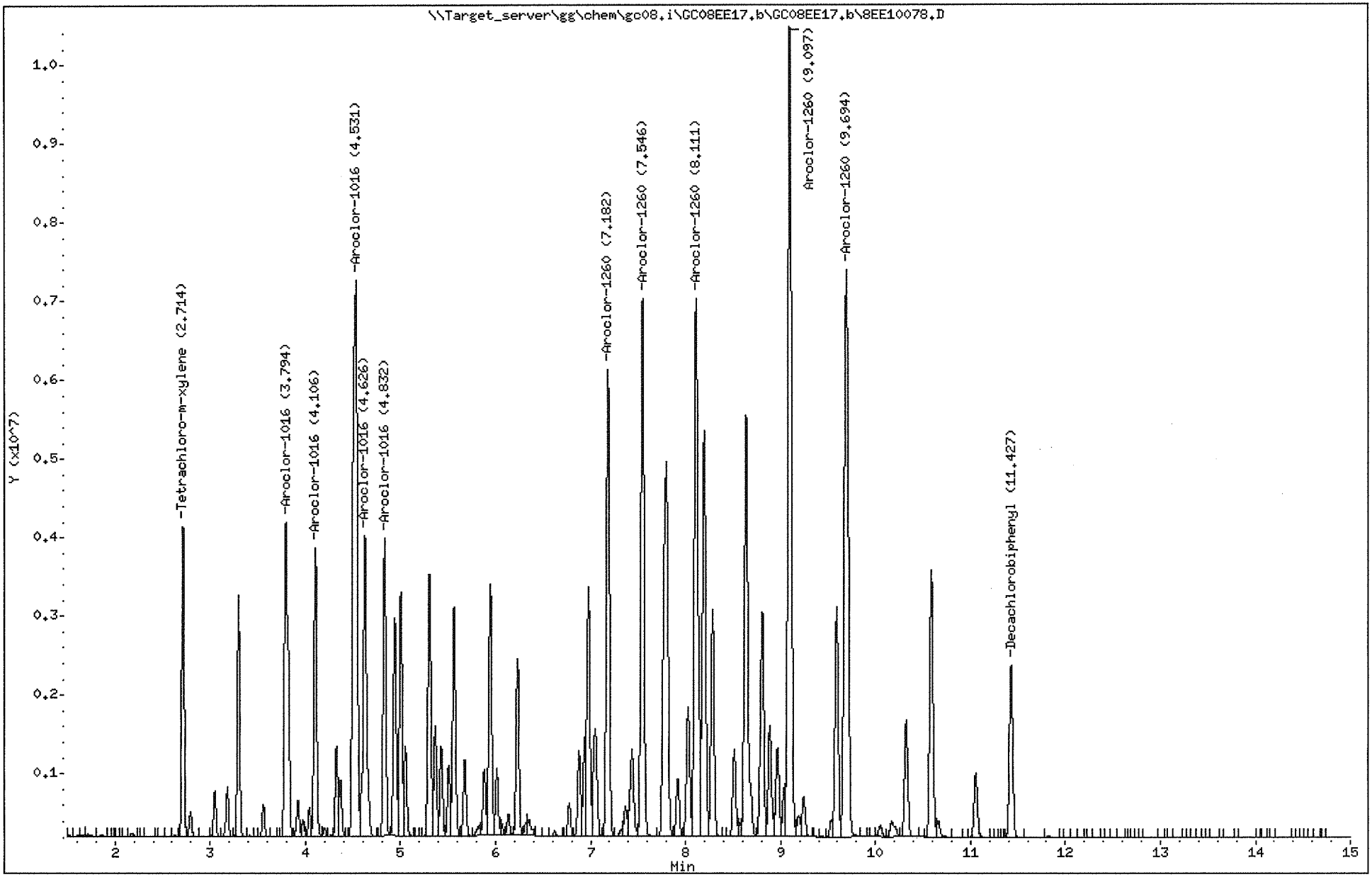
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.713	2.714	-0.001	3925558	0.20000	0.177			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.793	3.794	-0.001	3978203	10.0000	8.71	80.00- 120.00	100.00	
4.105	4.106	-0.001	3665963	10.0000	8.93	158.77- 238.15	92.15	
4.530	4.531	-0.001	7054692	10.0000	8.35	296.98- 445.46	177.33	
4.625	4.626	-0.001	3810696	10.0000	8.82	114.78- 172.17	95.79	
4.832	4.832	0.000	3763730	10.0000	8.98	112.32- 168.48	94.61	
Average of Peak Amounts =					8.75800			
9 Aroclor-1260					CAS #: 11096-82-5			
7.182	7.184	-0.002	5910343	10.0000	8.59	80.00- 120.00	100.00	
7.545	7.546	-0.001	6814779	10.0000	8.40	94.69- 142.03	115.30	
8.110	8.109	0.001	6815850	10.0000	8.29	89.28- 133.92	115.32	
9.097	9.097	0.000	10266570	10.0000	7.69	72.48- 108.72	173.71	
9.693	9.692	0.001	7182477	10.0000	8.35	0.00- 0.00	121.52	
Average of Peak Amounts =					8.26400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.427	11.427	0.000	2167157	0.20000	0.192			(a)

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10078.D
Date : 17-MAY-2011 16:10
Client ID:
Sample Info: AR1660 10
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000077

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10079.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10079.D
Lab Smp Id: AR1016 1.0
Inj Date : 17-MAY-2011 16:31
Operator : JLP Inst ID: gc08.i
Smp Info : AR1016 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1016.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

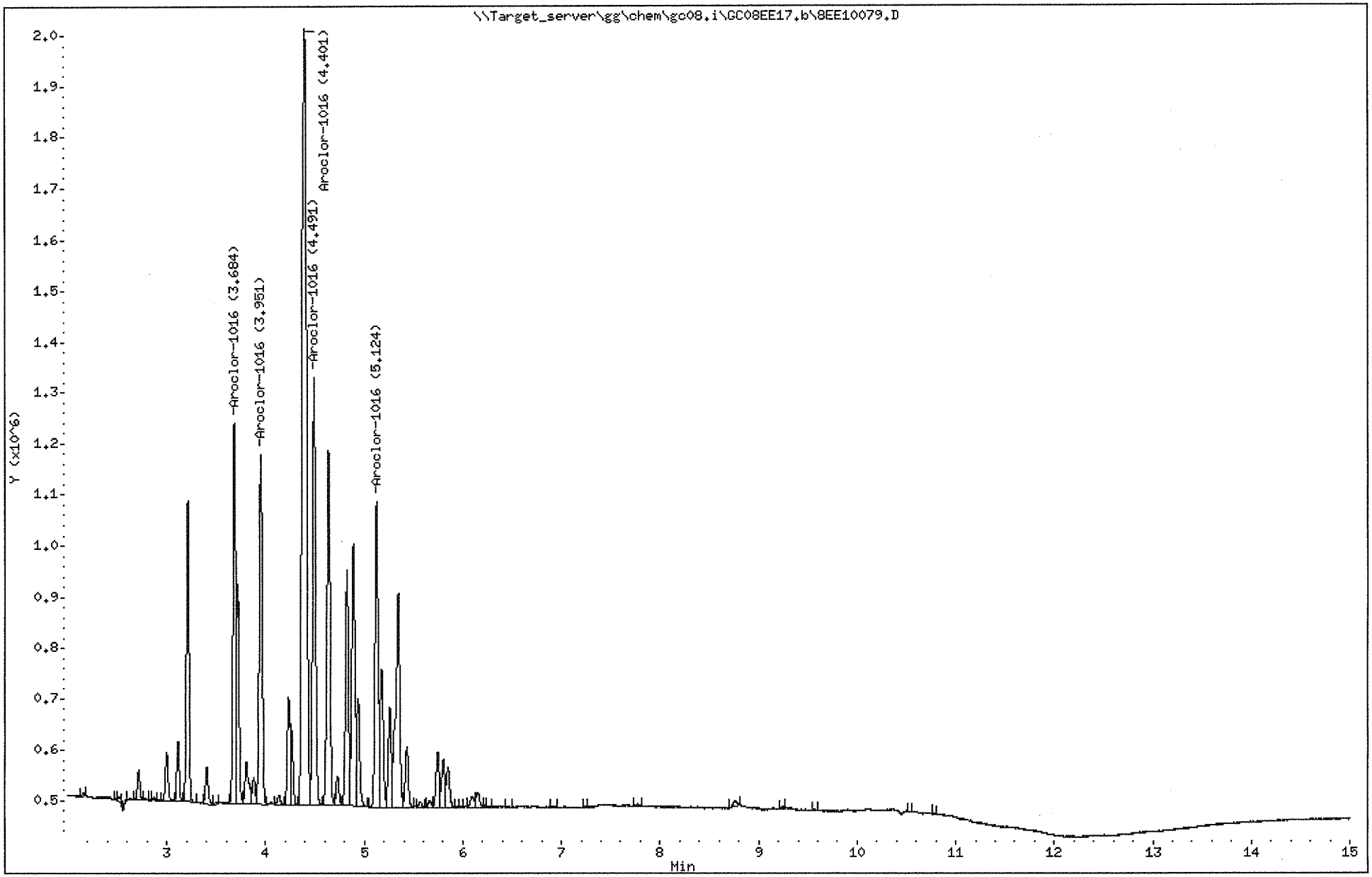
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor-1016					CAS #: 12674-11-2			
3.684	3.684	0.000	745901	1.00000	1.21	80.00- 120.00	100.00	
3.951	3.952	-0.001	686685	1.00000	1.22	158.77- 238.15	92.06	
4.401	4.401	0.000	1521644	1.00000	1.33	296.98- 445.46	204.00	
4.491	4.492	-0.001	838792	1.00000	1.24	114.78- 172.17	112.45	
5.124	5.126	-0.002	597798	1.00000	1.18	112.32- 168.48	80.14	

Average of Peak Amounts = 1.23600

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10079.D
Date : 17-MAY-2011 16:31
Client ID:
Sample Info: AR1016 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000079

Data File: 8EE10079.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10079.D
Lab Smp Id: AR1016 1.0
Inj Date : 17-MAY-2011 16:31
Operator : JLP Inst ID: gc08.i
Smp Info : AR1016 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1016.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

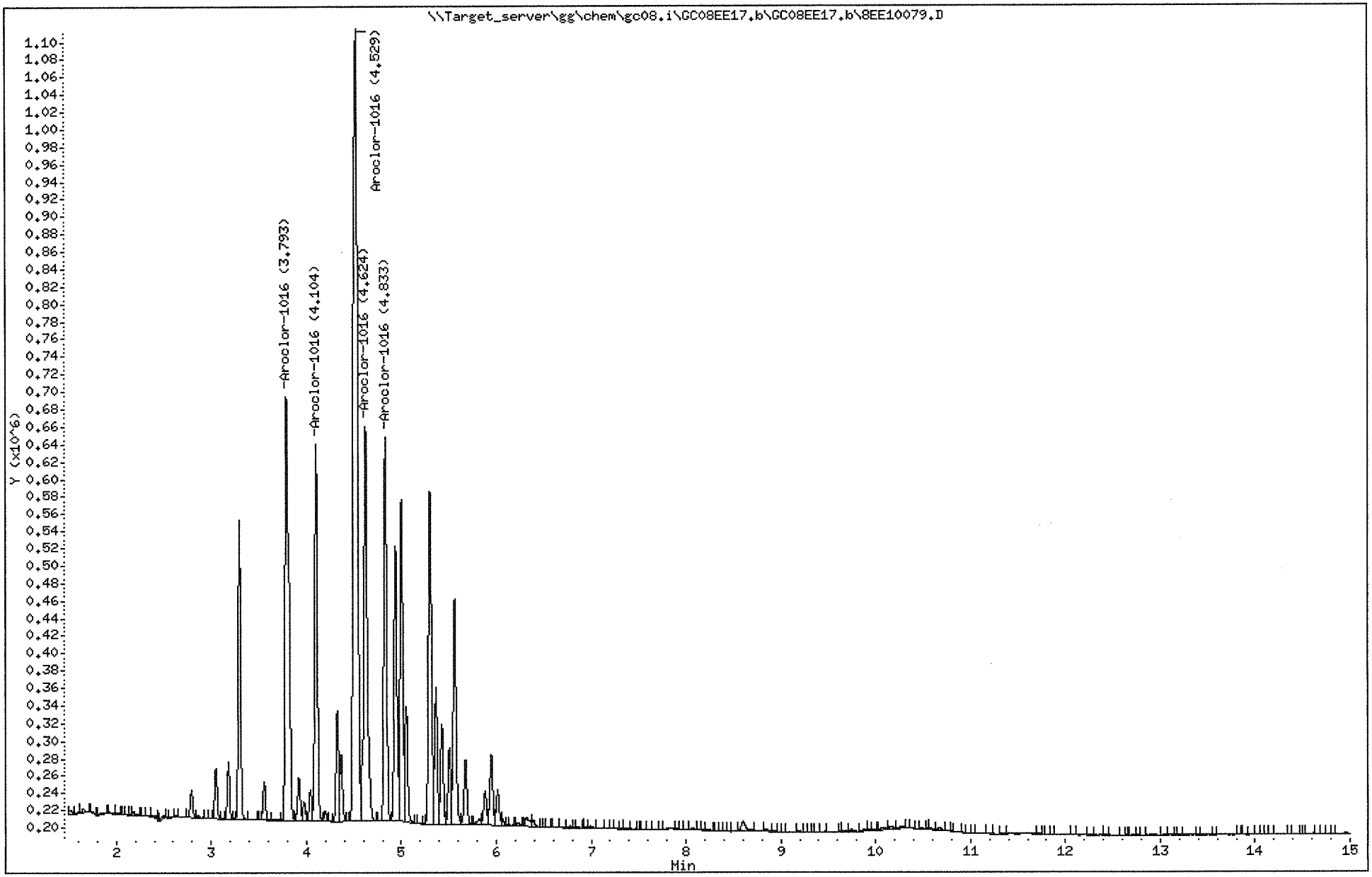
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor-1016					CAS #: 12674-11-2			
3.792	3.794	-0.002	485712	1.00000	1.06	80.00- 120.00	100.00	
4.104	4.106	-0.002	432745	1.00000	1.05	158.77- 238.15	89.09	
4.529	4.531	-0.002	907386	1.00000	1.07	296.98- 445.46	186.82	
4.624	4.626	-0.002	452040	1.00000	1.04	114.78- 172.17	93.07	
4.832	4.832	0.000	438415	1.00000	1.05	112.32- 168.48	90.26	

Average of Peak Amounts = 1.05400

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10079.D
Date : 17-MAY-2011 16:31
Client ID:
Sample Info: AR1016 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000081

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10080.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10080.D
Lab Smp Id: AR1260 1.0
Inj Date : 17-MAY-2011 16:52
Operator : JLP Inst ID: gc08.i
Smp Info : AR1260 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1260.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

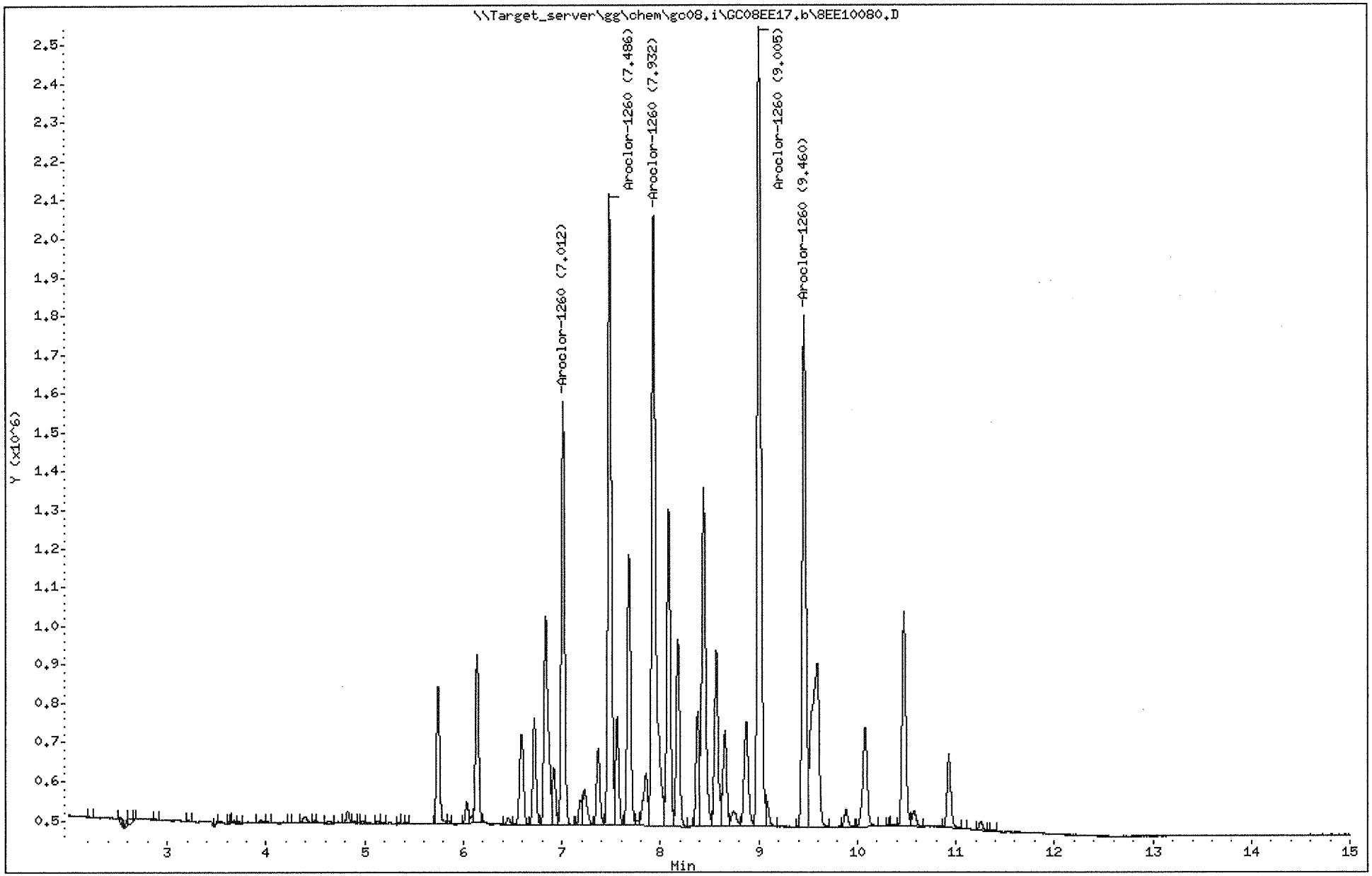
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
9 Aroclor-1260					CAS #: 11096-82-5			
7.012	7.012	0.000	1088176	1.00000	1.05	80.00- 120.00	100.00	
7.485	7.486	-0.001	1623706	1.00000	1.09	94.69- 142.03	149.21	
7.932	7.931	0.001	1569756	1.00000	1.13	89.28- 133.92	144.26	
9.005	9.004	0.001	2059144	1.00000	0.941	72.48- 108.72	189.23	
9.460	9.461	-0.001	1314783	1.00000	0.992	0.00- 0.00	120.82	

Average of Peak Amounts = 1.04060

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10080.D
Date : 17-MAY-2011 16:52
Client ID:
Sample Info: AR1260 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000083

Data File: 8EE10080.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10080.D
Lab Smp Id: AR1260 1.0
Inj Date : 17-MAY-2011 16:52
Operator : JLP Inst ID: gc08.i
Smp Info : AR1260 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1260.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

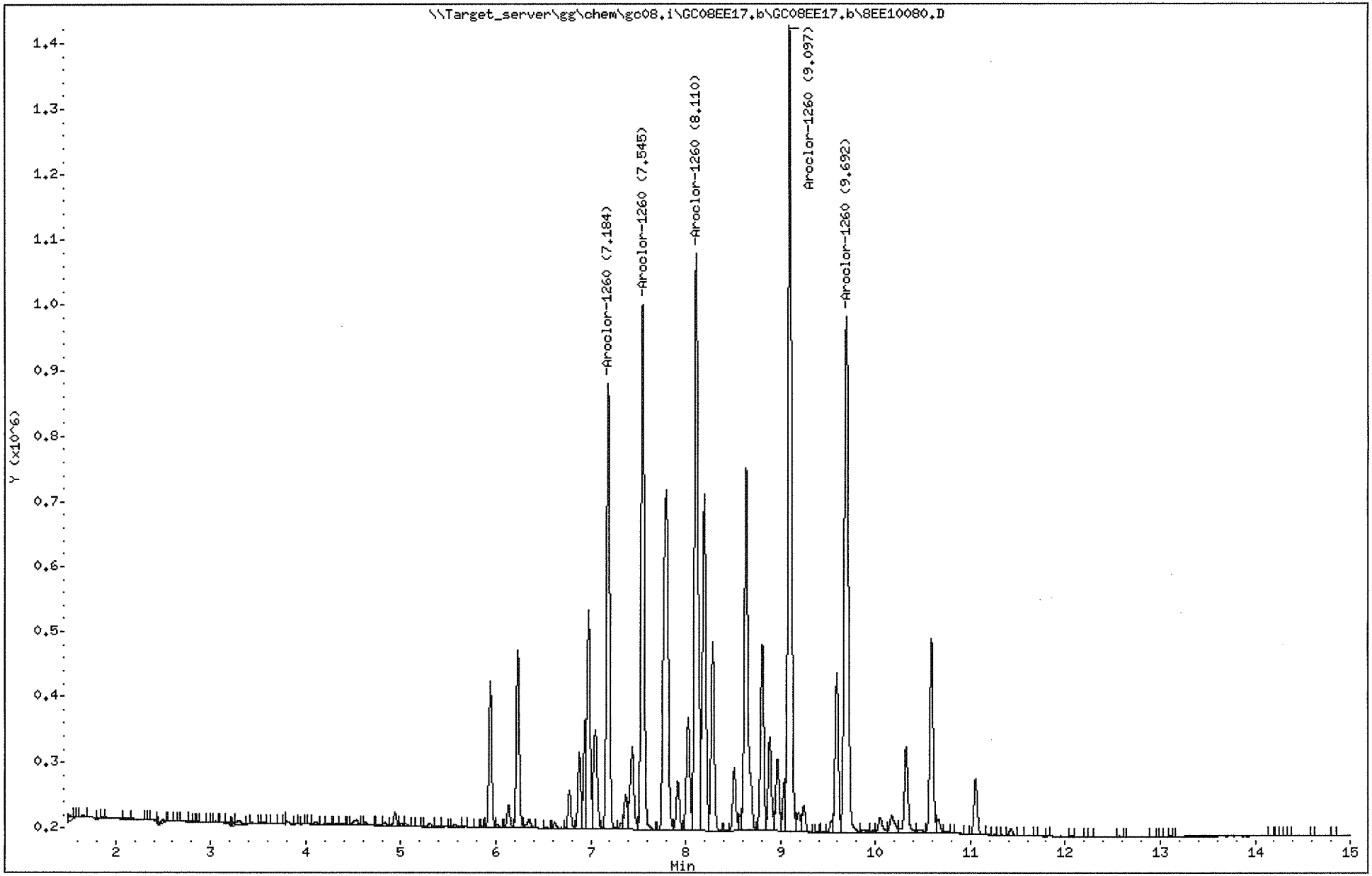
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
9 Aroclor-1260					CAS #: 11096-82-5			
7.183	7.184	-0.001	678971	1.00000	0.987	80.00- 120.00	100.00	
7.545	7.546	-0.001	801450	1.00000	0.988	94.69- 142.03	118.04	
8.110	8.109	0.001	881360	1.00000	1.08	89.28- 133.92	129.81	
9.097	9.097	0.000	1230170	1.00000	0.925	72.48- 108.72	181.18	
9.692	9.692	0.000	786708	1.00000	0.940	0.00- 0.00	115.87	
		Average of Peak Amounts =			0.98400			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10080.D
Date : 17-MAY-2011 16:52
Client ID:
Sample Info: AR1260 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000085

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10081.D
Report Date: 19-May-2011 08:57

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10081.D
Lab Smp Id: AR1242 1.0
Inj Date : 17-MAY-2011 17:13
Operator : JLP Inst ID: gc08.i
Smp Info : AR1242 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 17:13 Cal File: 8EE10081.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

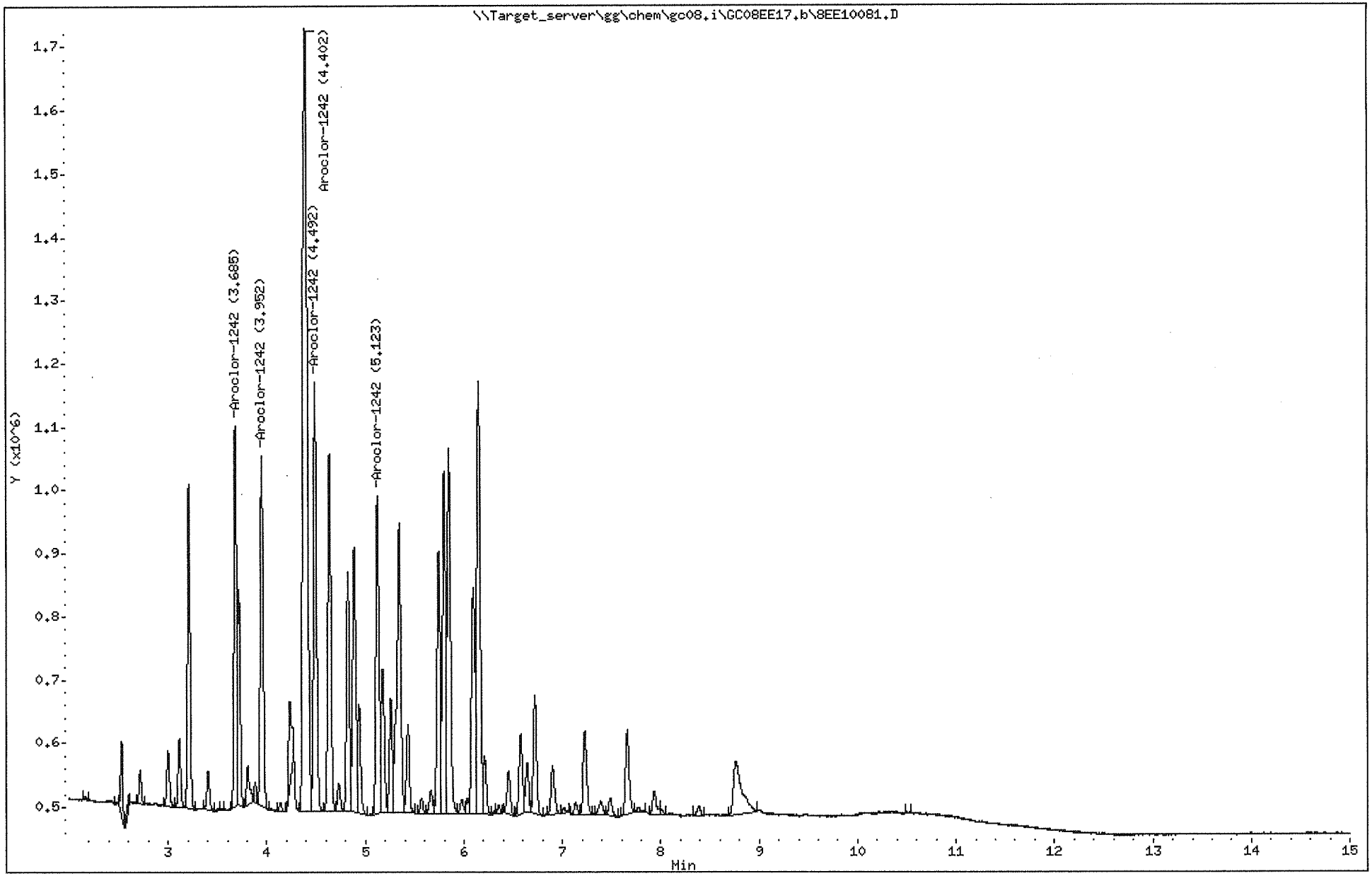
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor-1242					CAS #: 53469-21-9			
3.685	3.684	0.001	599432	1.00000	1.00	0.00- 0.00	100.00	
3.951	3.951	0.000	553895	1.00000	1.00	0.00- 0.00	92.40	
4.401	4.401	0.000	1234861	1.00000	1.00	0.00- 0.00	206.01	
4.491	4.492	-0.001	676935	1.00000	1.00	0.00- 0.00	112.93	
5.123	5.124	-0.001	500270	1.00000	1.00	0.00- 0.00	83.46	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10081.D
Date : 17-MAY-2011 17:13
Client ID:
Sample Info: AR1242 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000087

Data File: 8EE10081.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10081.D
Lab Smp Id: AR1242 1.0
Inj Date : 17-MAY-2011 17:13
Operator : JLP Inst ID: gc08.i
Smp Info : AR1242 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 17:13 Cal File: 8EE10081.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

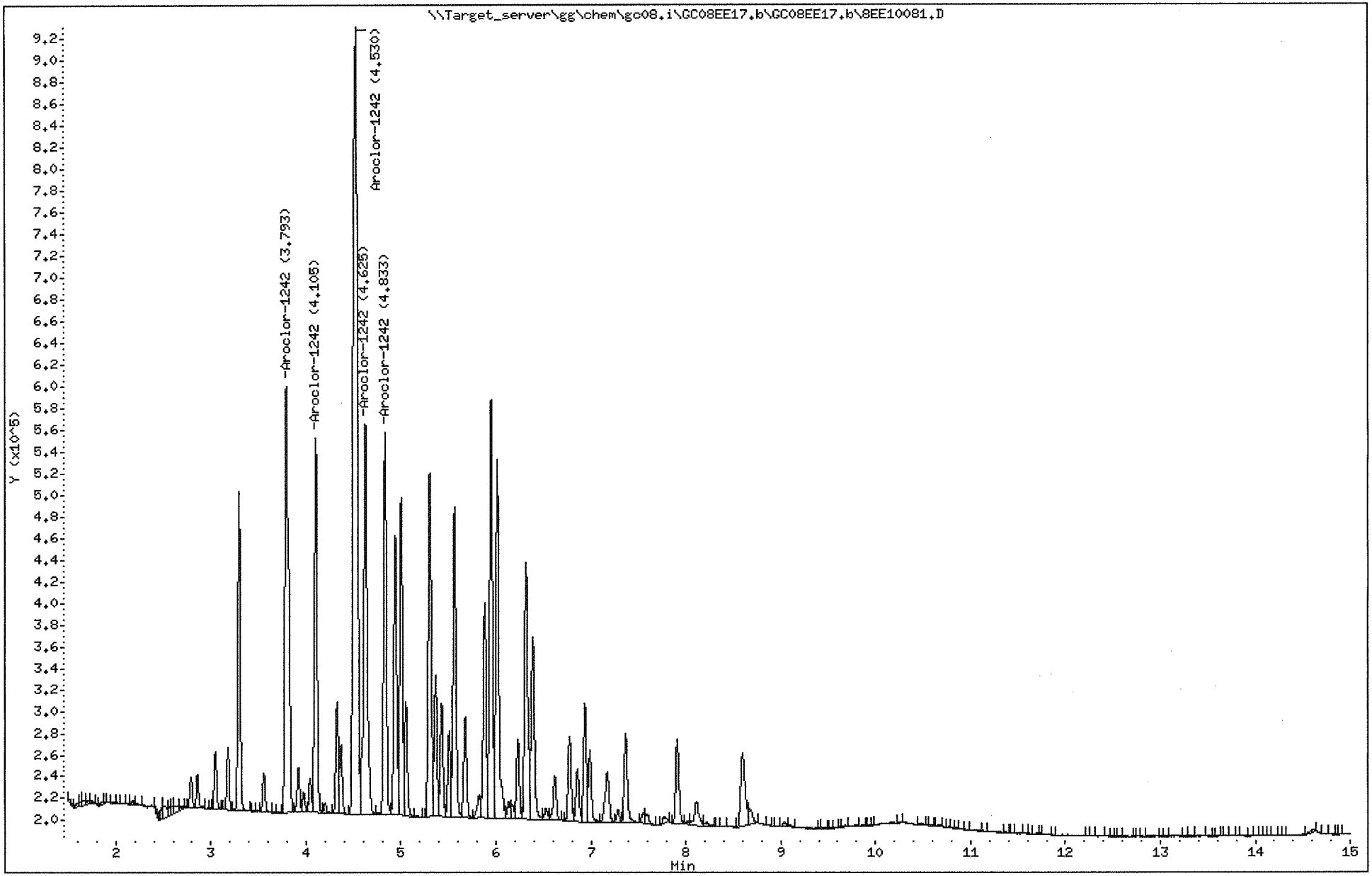
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor-1242					CAS #: 53469-21-9			
3.793	3.792	0.001	392573	1.00000	1.00	0.00- 0.00	100.00	
4.105	4.106	-0.001	344609	1.00000	1.00	0.00- 0.00	87.78	
4.530	4.531	-0.001	724536	1.00000	1.00	0.00- 0.00	184.56	
4.625	4.626	-0.001	358768	1.00000	1.00	0.00- 0.00	91.39	
4.833	4.832	0.001	352062	1.00000	1.00	0.00- 0.00	89.68	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10081.D
Date : 17-MAY-2011 17:13
Client ID:
Sample Info: AR1242 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000089

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10087.D
Report Date: 19-May-2011 08:58

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10087.D
Lab Smp Id: AR1248 1.0
Inj Date : 17-MAY-2011 19:17
Operator : JLP Inst ID: gc08.i
Smp Info : AR1248 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 19:17 Cal File: 8EE10087.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

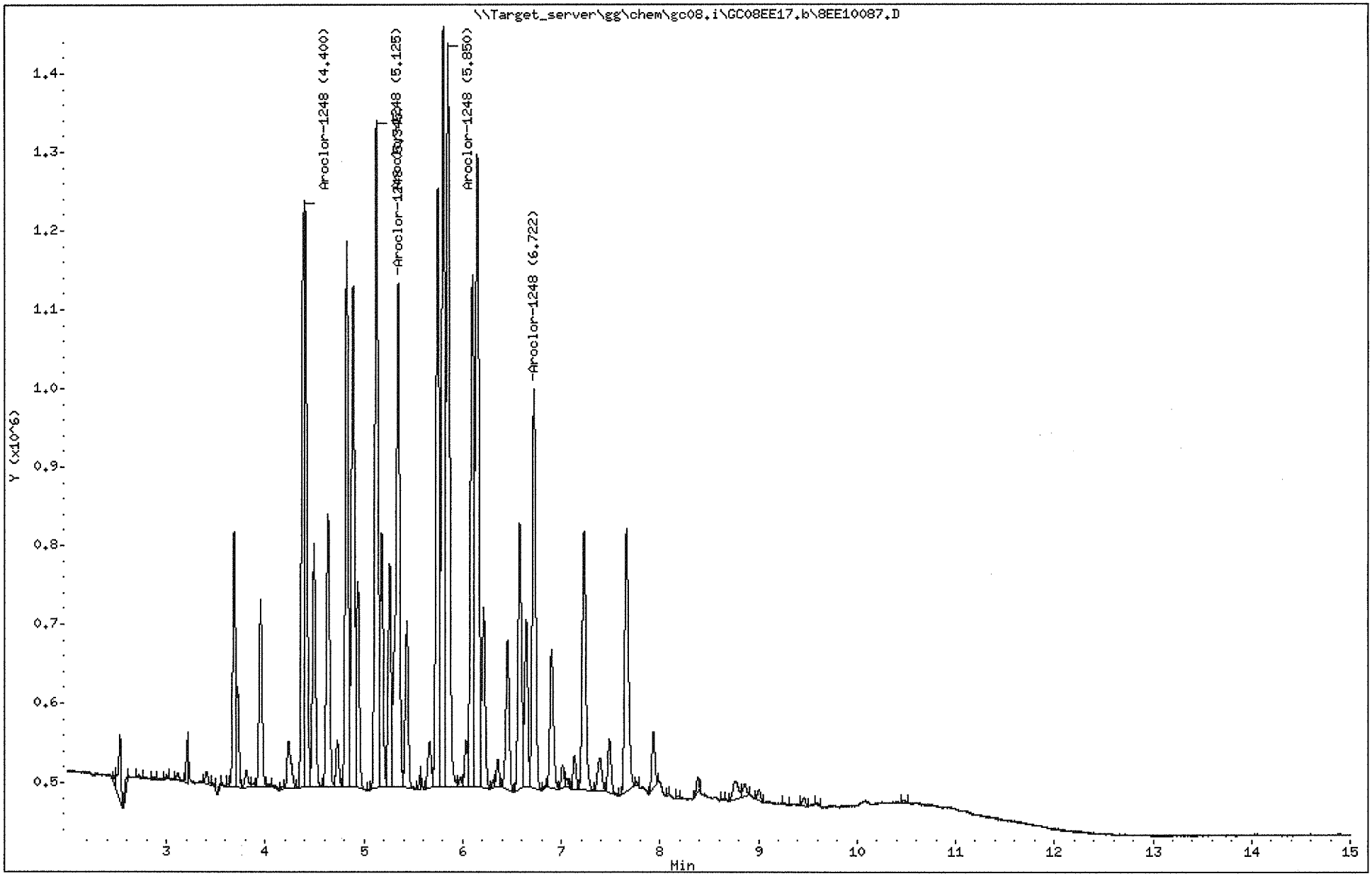
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor-1248					CAS #: 12672-29-6			
4.399	4.399	0.000	743231	1.00000	1.00	0.00- 0.00	100.00	
5.124	5.124	0.000	845586	1.00000	1.00	0.00- 0.00	113.77	
5.344	5.344	0.000	636898	1.00000	1.00	0.00- 0.00	85.69	
5.849	5.851	-0.002	942184	1.00000	1.00	0.00- 0.00	126.77	
6.721	6.722	-0.001	505146	1.00000	1.00	0.00- 0.00	67.97	

Average of Peak Amounts = 1.00000

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10087.D
Date : 17-MAY-2011 19:17
Client ID:
Sample Info: AR1248 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000091

Data File: 8EE10087.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10087.D
Lab Smp Id: AR1248 1.0
Inj Date : 17-MAY-2011 19:17
Operator : JLP Inst ID: gc08.i
Smp Info : AR1248 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 19:17 Cal File: 8EE10087.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

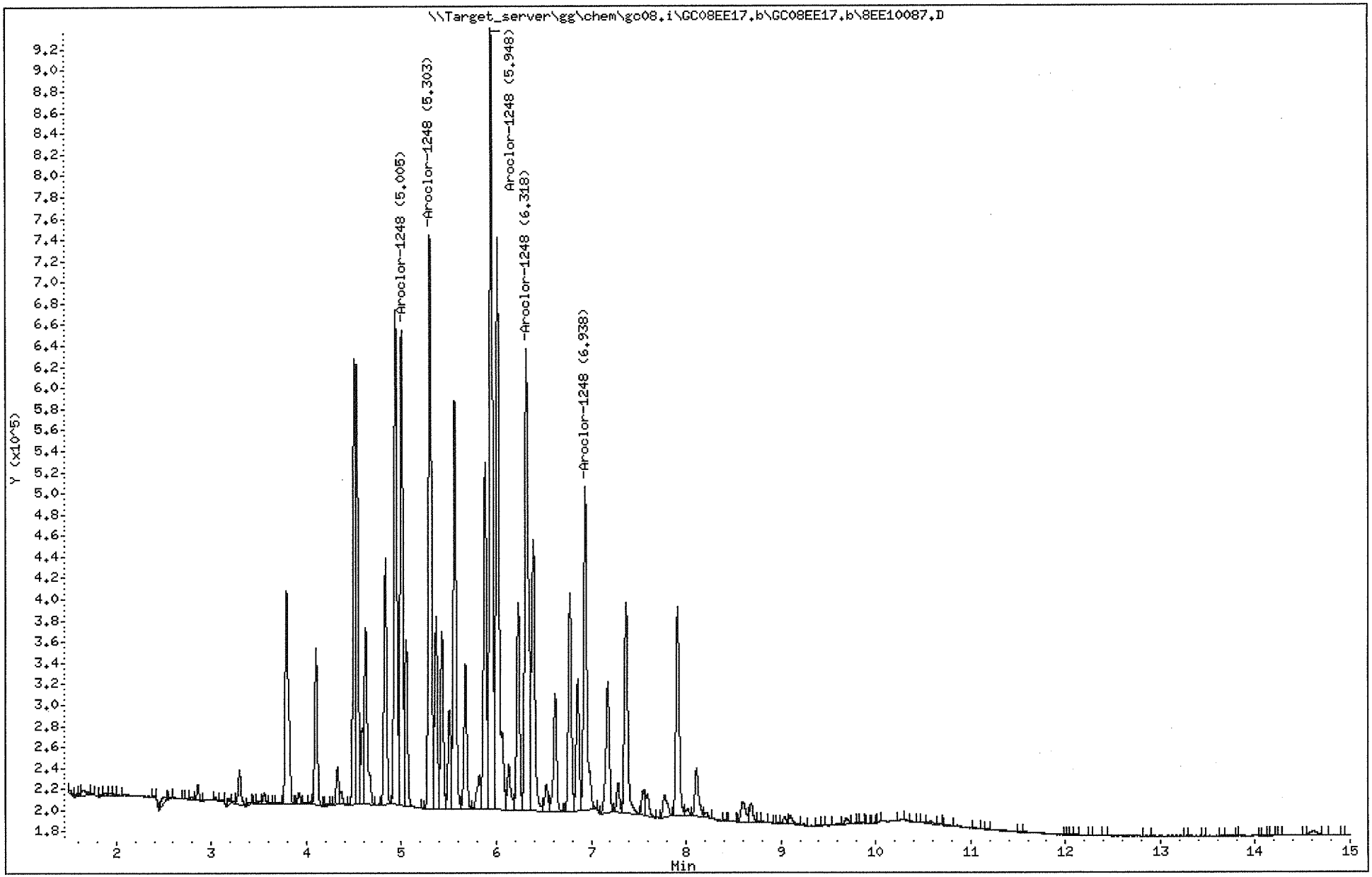
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor-1248					CAS #: 12672-29-6			
5.004	5.002	0.002	449395	1.00000	1.00	0.00- 0.00	100.00	
5.303	5.302	0.001	542253	1.00000	1.00	0.00- 0.00	120.66	
5.948	5.949	-0.001	738500	1.00000	1.00	0.00- 0.00	164.33	
6.318	6.319	-0.001	436072	1.00000	1.00	0.00- 0.00	97.04	
6.938	6.939	-0.001	305909	1.00000	1.00	0.00- 0.00	68.07	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10087.D
Date : 17-MAY-2011 19:17
Client ID:
Sample Info: AR1248 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000093

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10093.D
Report Date: 19-May-2011 08:58

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10093.D
Lab Smp Id: AR1254 1.0
Inj Date : 17-MAY-2011 21:22
Operator : JLP Inst ID: gc08.i
Smp Info : AR1254 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 21:22 Cal File: 8EE10093.D
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

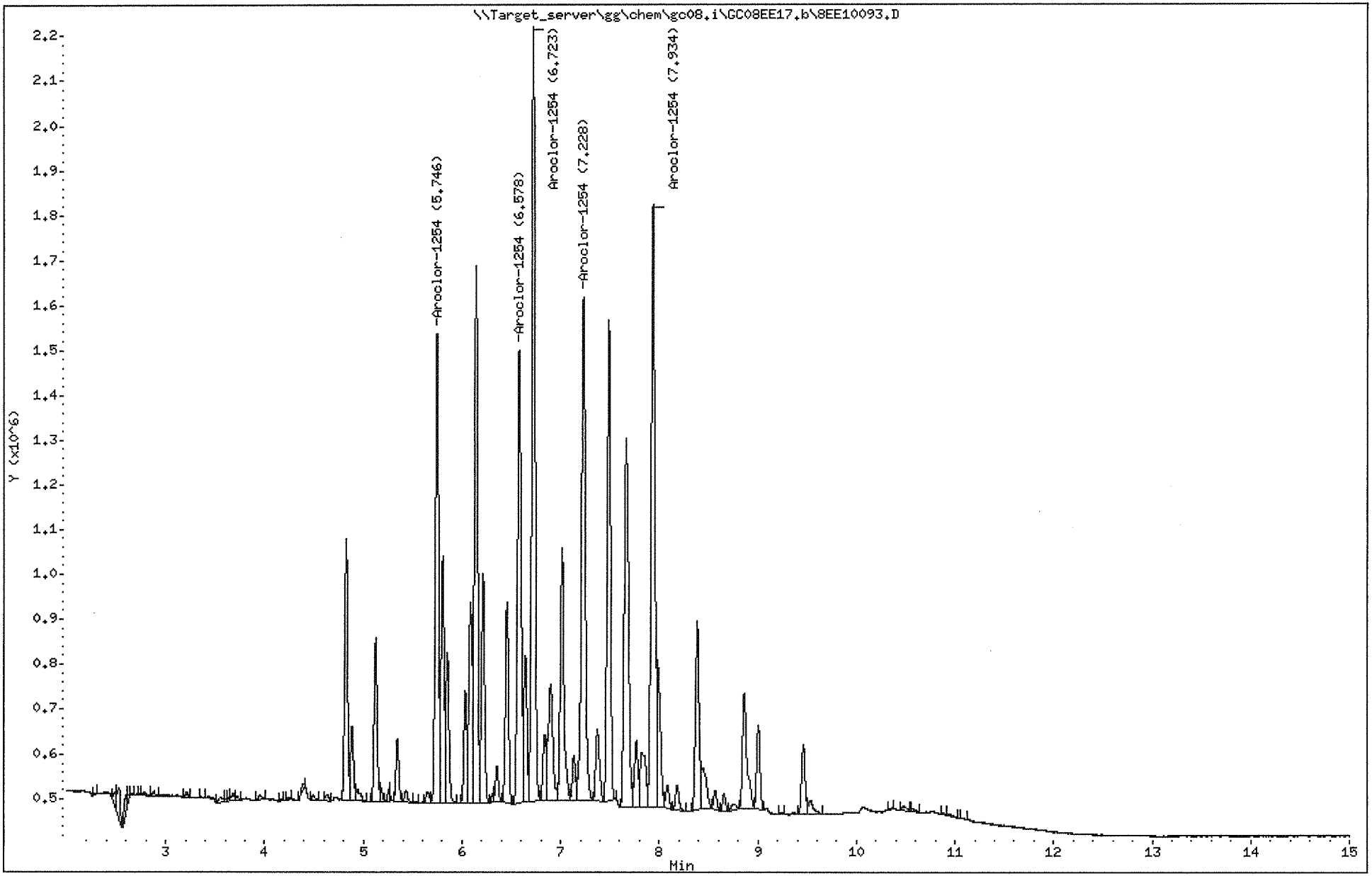
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
5.746	5.745	0.001	1044658	1.00000	1.00	80.00- 120.00	100.00	
6.577	6.578	-0.001	1007522	1.00000	1.00	80.00- 120.00	96.45	
6.722	6.722	0.000	1723752	1.00000	1.00	80.00- 120.00	165.01	
7.227	7.228	-0.001	1120206	1.00000	1.00	80.00- 120.00	107.23	
7.934	7.932	0.002	1340806	1.00000	1.00	0.00- 0.00	128.35	

Average of Peak Amounts = 1.00000

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10093.D
Date : 17-MAY-2011 21:22
Client ID:
Sample Info: AR1254 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000095

Data File: 8EE10093.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10093.D
Lab Smp Id: AR1254 1.0
Inj Date : 17-MAY-2011 21:22
Operator : JLP Inst ID: gc08.i
Smp Info : AR1254 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 21:22 Cal File: 8EE10093.D
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

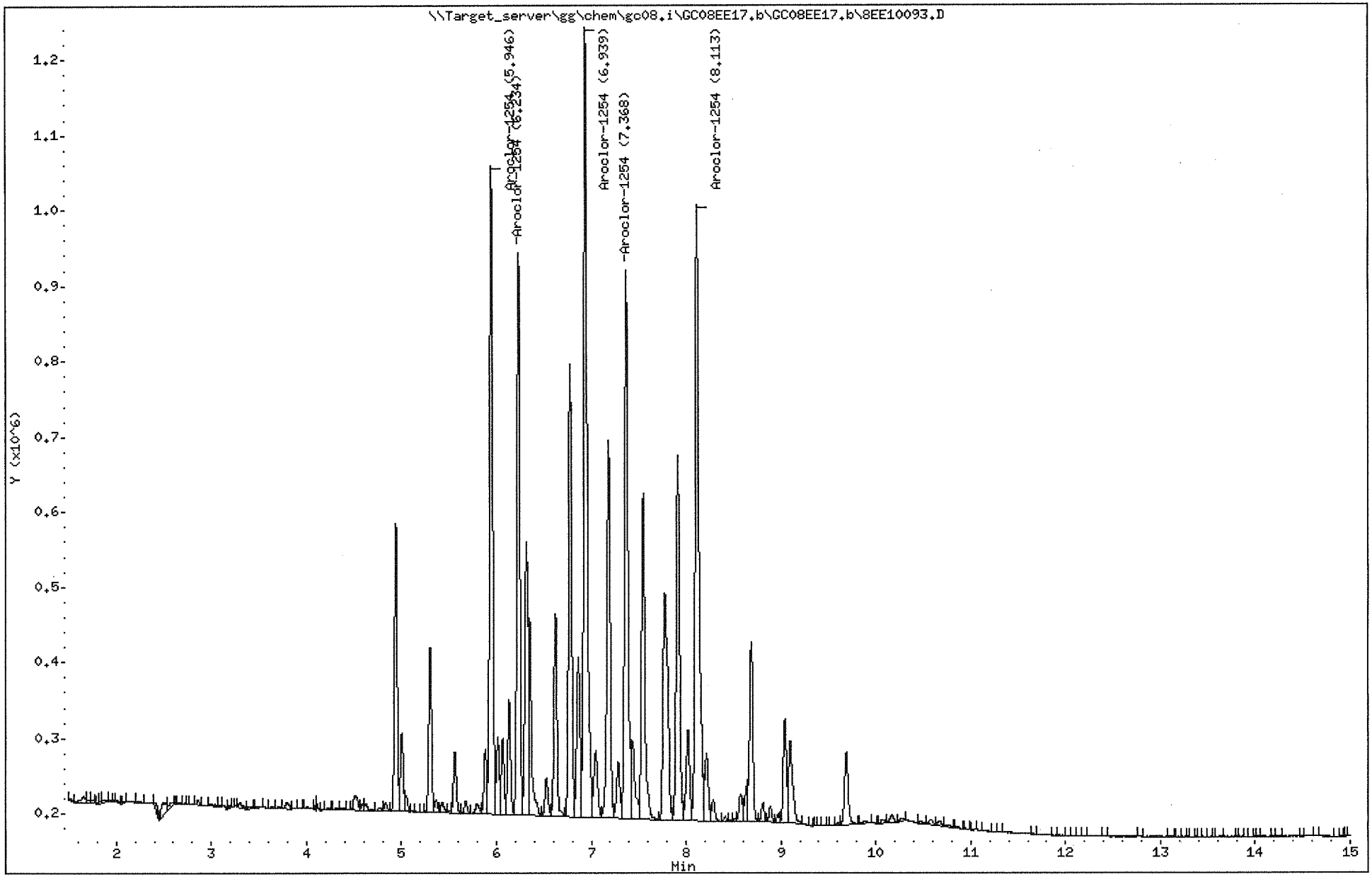
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
5.945	5.945	0.000	858767	1.00000	1.00	80.00- 120.00	100.00	
6.234	6.233	0.001	744752	1.00000	1.00	80.00- 120.00	86.72	
6.939	6.938	0.001	1046255	1.00000	1.00	80.00- 120.00	121.83	
7.367	7.368	-0.001	725198	1.00000	1.00	80.00- 120.00	84.45	
8.112	8.111	0.001	814749	1.00000	1.00	80.00- 120.00	94.87	
			Average of Peak Amounts =		1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10093.D
Date : 17-MAY-2011 21:22
Client ID:
Sample Info: AR1254 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000097

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10099.D
Report Date: 19-May-2011 08:58

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10099.D
Lab Smp Id: AR1221 1.0
Inj Date : 17-MAY-2011 23:26
Operator : JLP Inst ID: gc08.i
Smp Info : AR1221 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

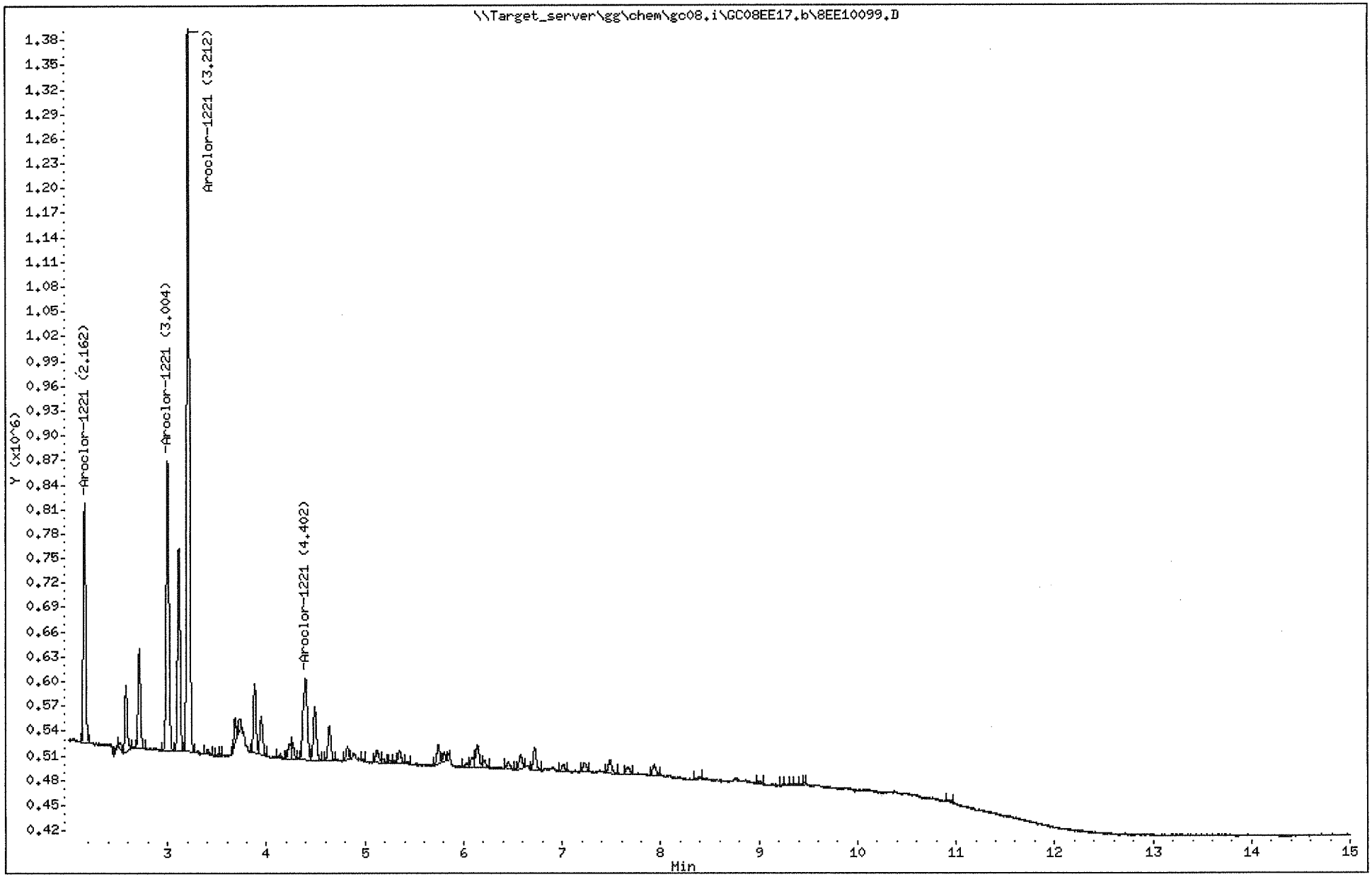
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
2 Aroclor-1221					CAS #: 11104-28-2			
2.161	2.161	0.000	290997	1.00000	1.00	0.00- 0.00	100.00	
3.003	3.003	0.000	352977	1.00000	1.00	0.00- 0.00	121.30	
3.211	3.211	0.000	878425	1.00000	1.00	0.00- 0.00	301.87	
4.401	4.401	0.000	97612	1.00000	1.00	0.00- 0.00	33.54	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10099.D
Date : 17-MAY-2011 23:26
Client ID:
Sample Info: AR1221 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000099

Data File: 8EE10099.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10099.D
Lab Smp Id: AR1221 1.0
Inj Date : 17-MAY-2011 23:26
Operator : JLP Inst ID: gc08.i
Smp Info : AR1221 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

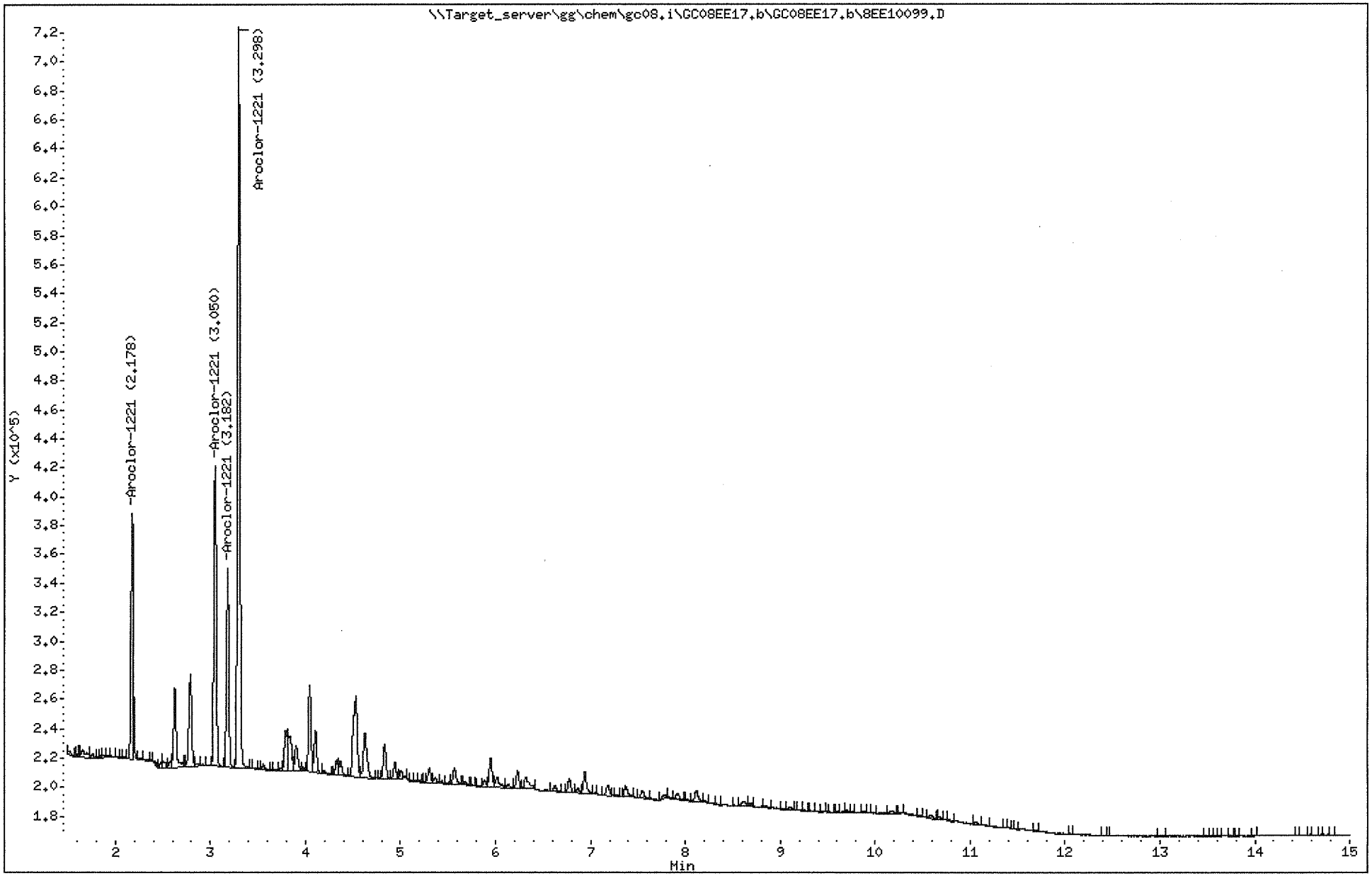
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor-1221					CAS #: 11104-28-2			
2.178	2.178	0.000	169129	1.00000	1.00	0.00- 0.00	100.00	
3.050	3.050	0.000	206444	1.00000	1.00	0.00- 0.00	122.06	
3.181	3.181	0.000	136132	1.00000	1.00	0.00- 0.00	80.49	
3.298	3.298	0.000	510095	1.00000	1.00	0.00- 0.00	301.60	

Average of Peak Amounts = 1.00000

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10099.D
Date : 17-MAY-2011 23:26
Client ID:
Sample Info: AR1221 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000101

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10100.D
Report Date: 19-May-2011 08:58

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10100.D
Lab Smp Id: AR1232 1.0
Inj Date : 17-MAY-2011 23:47
Operator : JLP Inst ID: gc08.i
Smp Info : AR1232 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m
Meth Date : 18-May-2011 09:12 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

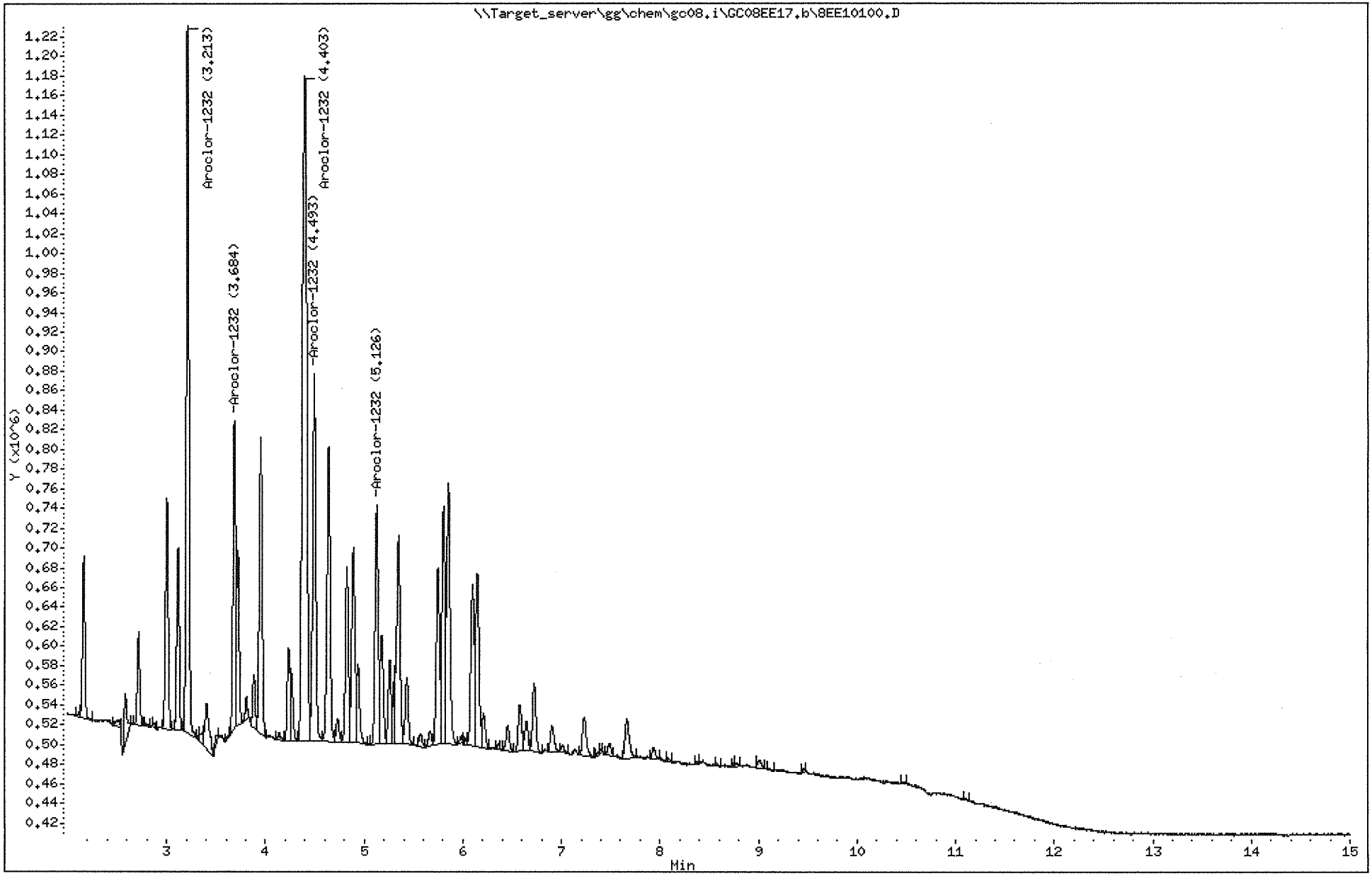
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
4 Aroclor-1232					CAS #: 11141-16-5			
3.212	3.212	0.000	719599	1.00000	1.00	0.00- 0.00	100.00	
3.684	3.684	0.000	312990	1.00000	1.00	0.00- 0.00	43.50	
4.402	4.402	0.000	676550	1.00000	1.00	0.00- 0.00	94.02	
4.492	4.492	0.000	373221	1.00000	1.00	0.00- 0.00	51.87	
5.125	5.125	0.000	242208	1.00000	1.00	0.00- 0.00	33.66	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\8EE10100.D
Date : 17-MAY-2011 23:47
Client ID:
Sample Info: AR1232 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000103

Data File: 8EE10100.D
Report Date: 19-May-2011 08:59

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10100.D
Lab Smp Id: AR1232 1.0
Inj Date : 17-MAY-2011 23:47
Operator : JLP Inst ID: gc08.i
Smp Info : AR1232 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE17.b\PCB017.m\PCB017.m
Meth Date : 18-May-2011 09:15 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

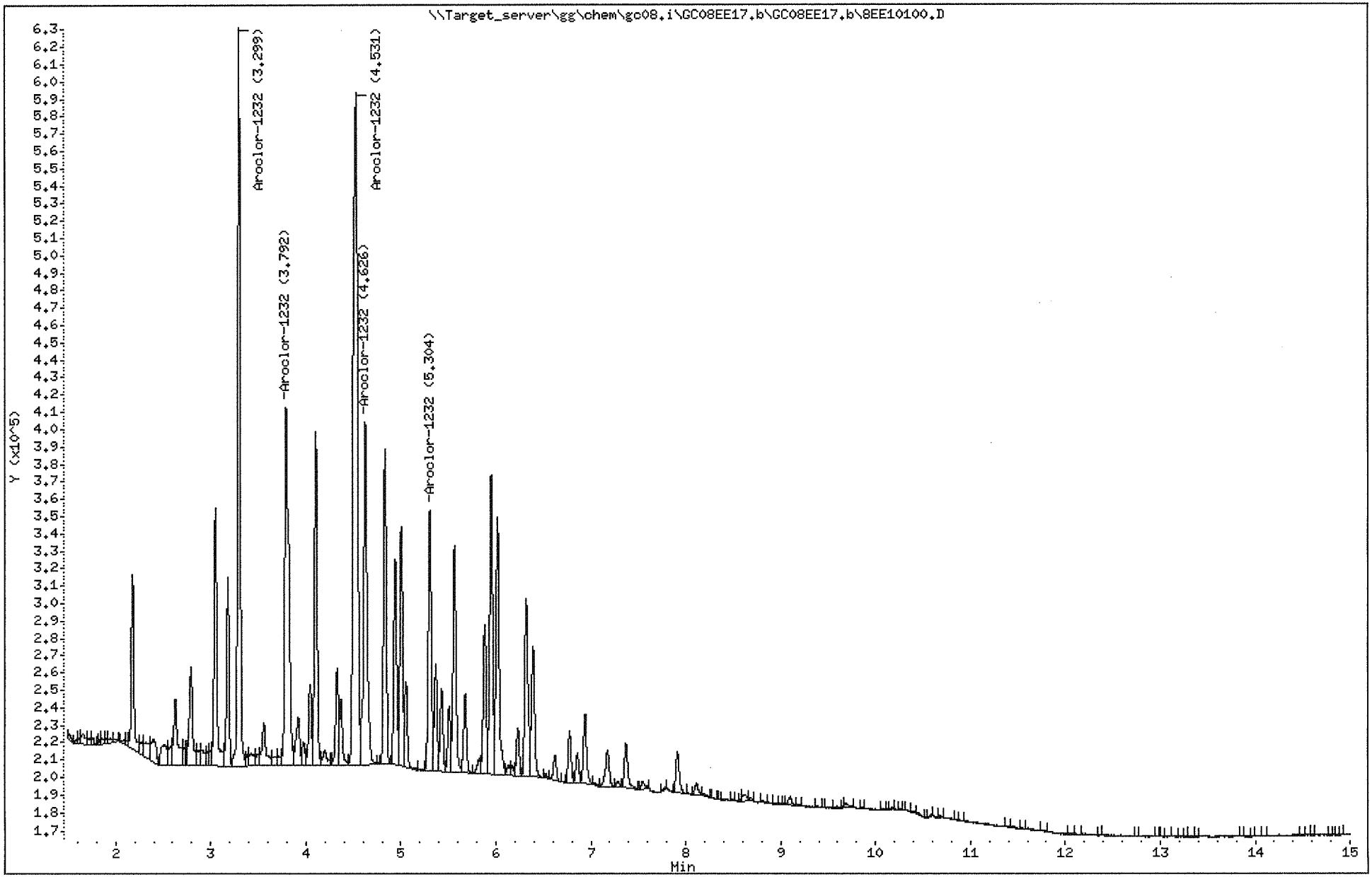
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
4 Aroclor-1232					CAS #: 11141-16-5			
3.299	3.299	0.000	424351	1.00000	1.00	0.00- 0.00	100.00	
3.792	3.792	0.000	205138	1.00000	1.00	0.00- 0.00	48.34	
4.530	4.530	0.000	386025	1.00000	1.00	0.00- 0.00	90.97	
4.625	4.625	0.000	196114	1.00000	1.00	0.00- 0.00	46.22	
5.304	5.304	0.000	149087	1.00000	1.00	0.00- 0.00	35.13	
		Average of Peak Amounts =			1.00000			

Data File: \\Target_server\gg\chem\gc08.i\GC08EE17.b\GC08EE17.b\8EE10100.D
Date : 17-MAY-2011 23:47
Client ID:
Sample Info: AR1232 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000105

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 0849

Lab File ID: 8EE10174 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.2532000	1.0000000	768410.00	0.001	25.32	20.00	LINR	<-
(2)	1.2805000	1.0000000	714380.00	0.001	28.05	20.00	LINR	<-
(3)	1.3818000	1.0000000	1573500.0	0.001	38.18	20.00	LINR	<-
(4)	1.2823000	1.0000000	860860.00	0.001	28.23	20.00	LINR	<-
(5)	1.2766000	1.0000000	642330.00	0.001	27.66	20.00	LINR	<-
Aroclor-1260	1.0968000	1.0000000	1130800.0	0.001	9.68	20.00	LINR	
(2)	1.1576000	1.0000000	1718300.0	0.001	15.76	20.00	LINR	
(3)	1.1128000	1.0000000	1547400.0	0.001	11.28	20.00	LINR	
(4)	1.1693000	1.0000000	2535000.0	0.001	16.93	20.00	LINR	
(5)	1.1485000	1.0000000	1514100.0	0.001	14.85	20.00	LINR	
Decachlorobiphenyl	2.32e-002	2.e-002	25168000	0.001	16.00	20.00	LINR	
Tetrachloro-m-xylene	2.67e-002	2.e-002	47115000	0.001	33.50	20.00	LINR	<-

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10174.D
Report Date: 08-Jun-2011 12:19

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10174.D
Lab Smp Id: AR1660 1.0
Inj Date : 23-MAY-2011 08:49
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 29 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

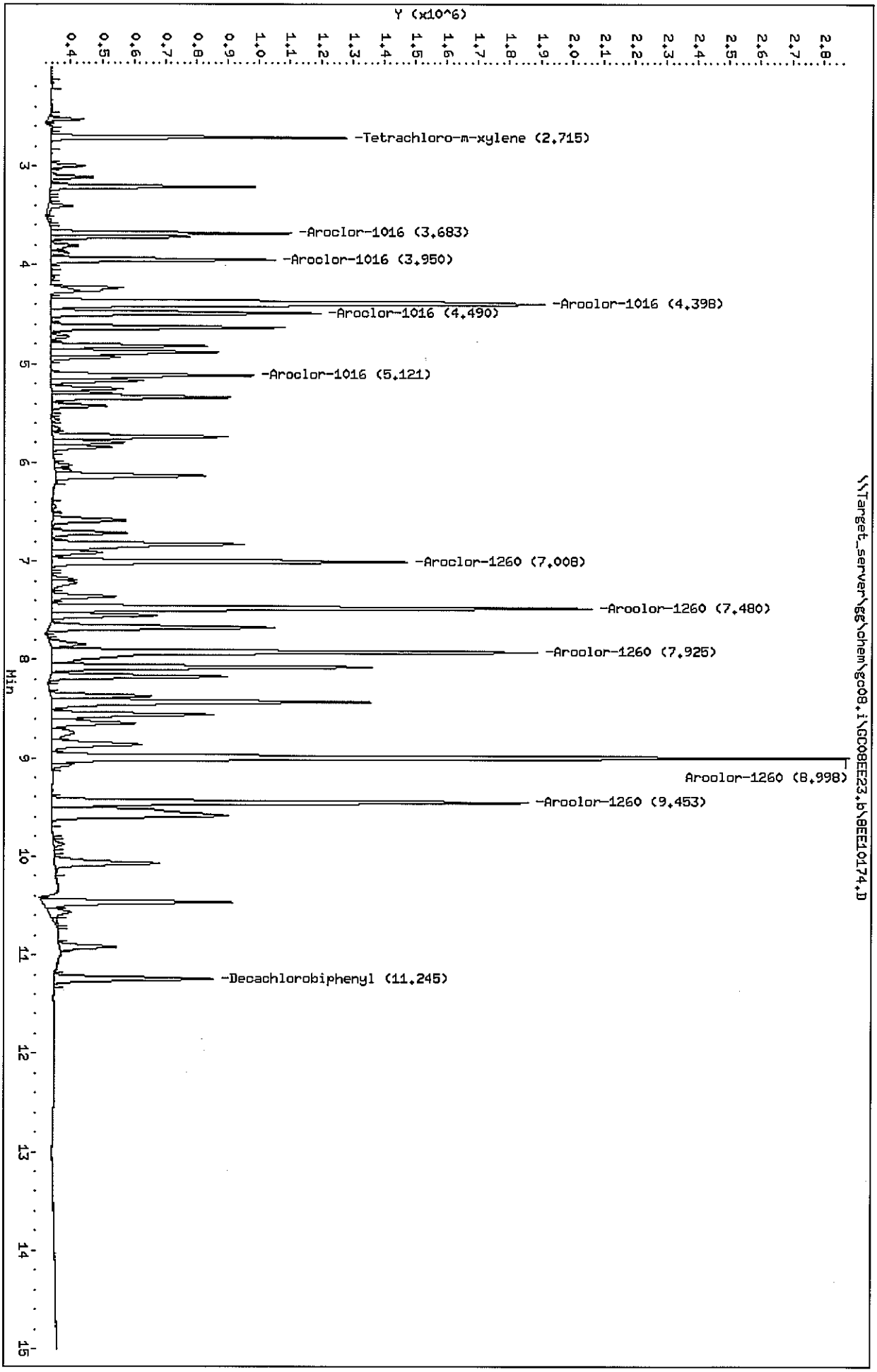
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.722	-0.008	942308	0.02000	0.0266			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.682	3.689	-0.007	768412	1.00000	1.25	80.00- 120.00	100.00	
3.949	3.954	-0.005	714382	1.00000	1.28	158.77- 238.15	92.97	
4.397	4.404	-0.007	1573525	1.00000	1.38	296.98- 445.46	204.78	
4.489	4.494	-0.005	860861	1.00000	1.28	114.78- 172.17	112.03	
5.121	5.126	-0.005	642327	1.00000	1.28	112.32- 168.48	83.59	
Average of Peak Amounts =					1.29400			
9 Aroclor-1260					CAS #: 11096-82-5			
7.007	7.011	-0.004	1130831	1.00000	1.10	80.00- 120.00	100.00	
7.479	7.482	-0.003	1718267	1.00000	1.16	94.69- 142.03	151.95	
7.924	7.927	-0.003	1547389	1.00000	1.11	89.28- 133.92	136.84	
8.997	9.001	-0.004	2535036	1.00000	1.17	72.48- 108.72	224.17	
9.452	9.456	-0.004	1514107	1.00000	1.15	0.00- 0.00	133.89	
Average of Peak Amounts =					1.13800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.244	11.246	-0.002	503358	0.02000	0.0232			(a)

Data File: \\Target_server\gc\chem\gc08.i\GC08EE23.b\8EE10174.D
Date : 23-MAY-2011 08:49
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 0849

Lab File ID: 8EE10174 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	456590.00	474880.00	0.001	4.00	20.00	AVRG
(2)	410400.00	429410.00	0.001	4.63	20.00	AVRG
(3)	844690.00	888250.00	0.001	5.16	20.00	AVRG
(4)	432180.00	449440.00	0.001	3.99	20.00	AVRG
(5)	418850.00	445350.00	0.001	6.33	20.00	AVRG
Average %D: 4.8200						
Aroclor-1260	687690.00	720890.00	0.001	4.83	20.00	AVRG
(2)	811260.00	841840.00	0.001	3.77	20.00	AVRG
(3)	818830.00	851780.00	0.001	4.02	20.00	AVRG
(4)	1330200.0	1394400.0	0.001	4.83	20.00	AVRG
(5)	836510.00	888460.00	0.001	6.21	20.00	AVRG
Average %D: 4.7300						
Tetrachloro-m-xylene	21796000	23708000	0.001	8.77	20.00	AVRG
Decachlorobiphenyl	11266000	11761000	0.001	4.39	20.00	AVRG

FORM VII PEST

Data File: 8EE10174.D
Report Date: 08-Jun-2011 12:20

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10174.D
Lab Smp Id: AR1660 1.0
Inj Date : 23-MAY-2011 08:49
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 29 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

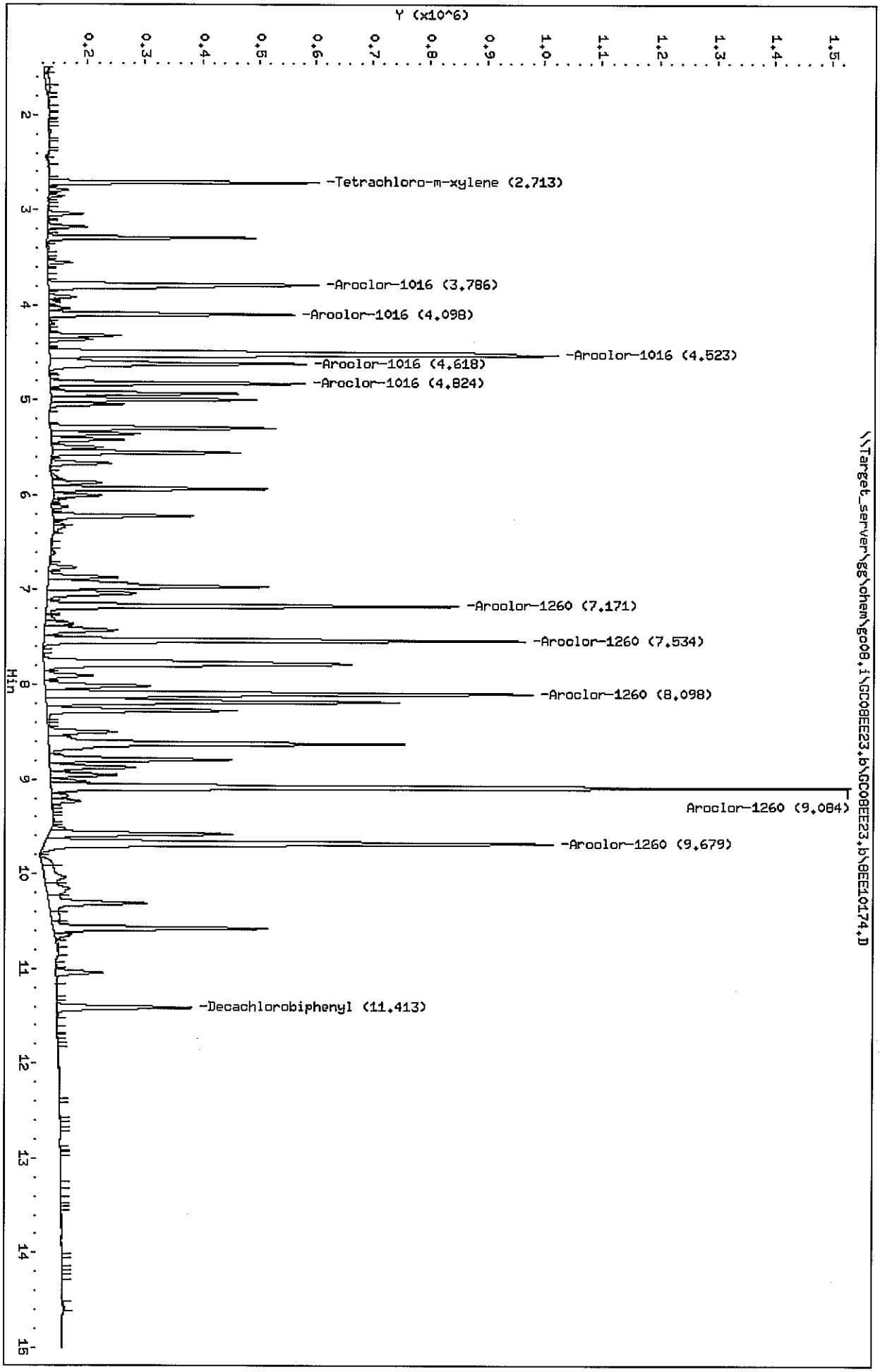
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.712	2.720	-0.008	474151	0.02000	0.0218			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.786	3.792	-0.006	474881	1.00000	1.04	80.00- 120.00	100.00	
4.097	4.104	-0.007	429406	1.00000	1.05	158.77- 238.15	90.42	
4.522	4.527	-0.005	888254	1.00000	1.05	296.98- 445.46	187.05	
4.617	4.622	-0.005	449437	1.00000	1.04	114.78- 172.17	94.64	
4.824	4.829	-0.005	445353	1.00000	1.06	112.32- 168.48	93.78	
Average of Peak Amounts =					1.04800			
9 Aroclor-1260					CAS #: 11096-82-5			
7.171	7.175	-0.004	720889	1.00000	1.05	80.00- 120.00	100.00	
7.534	7.539	-0.005	841841	1.00000	1.04	94.69- 142.03	116.78	
8.097	8.102	-0.005	851785	1.00000	1.04	89.28- 133.92	118.16	
9.084	9.089	-0.005	1394457	1.00000	1.05	72.48- 108.72	193.44	
9.679	9.680	-0.001	888464	1.00000	1.06	0.00- 0.00	123.25	
Average of Peak Amounts =					1.04800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.412	11.415	-0.003	235214	0.02000	0.0209			(a)

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10174.D
Date : 23-MAY-2011 08:49
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1405

Lab File ID: 8EE10189 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2685700	0.2500000	884640.00	0.001	7.43	20.00	LINR	
(2)	0.2470700	0.2500000	805830.00	0.001	-1.17	20.00	LINR	
(3)	0.2271700	0.2500000	1816900.0	0.001	-9.13	20.00	LINR	
(4)	0.2464200	0.2500000	1002700.0	0.001	-1.43	20.00	LINR	
(5)	0.2533800	0.2500000	722430.00	0.001	1.35	20.00	LINR	
Aroclor-1260	0.3133100	0.2500000	1374300.0	0.001	25.32	20.00	LINR	<-
(2)	0.3225100	0.2500000	2077200.0	0.001	29.00	20.00	LINR	<-
(3)	0.3146300	0.2500000	1894200.0	0.001	25.85	20.00	LINR	<-
(4)	0.3159800	0.2500000	3010700.0	0.001	26.39	20.00	LINR	<-
(5)	0.3128100	0.2500000	1784500.0	0.001	25.12	20.00	LINR	<-
Decachlorobiphenyl	5.36e-003	5.e-003	29726000	0.001	7.20	20.00	LINR	
Tetrachloro-m-xylene	5.25e-003	5.e-003	53338000	0.001	5.00	20.00	LINR	

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10189.D
Report Date: 08-Jun-2011 12:20

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10189.D
Lab Smp Id: AR1660 0.25
Inj Date : 23-MAY-2011 14:05
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 44 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

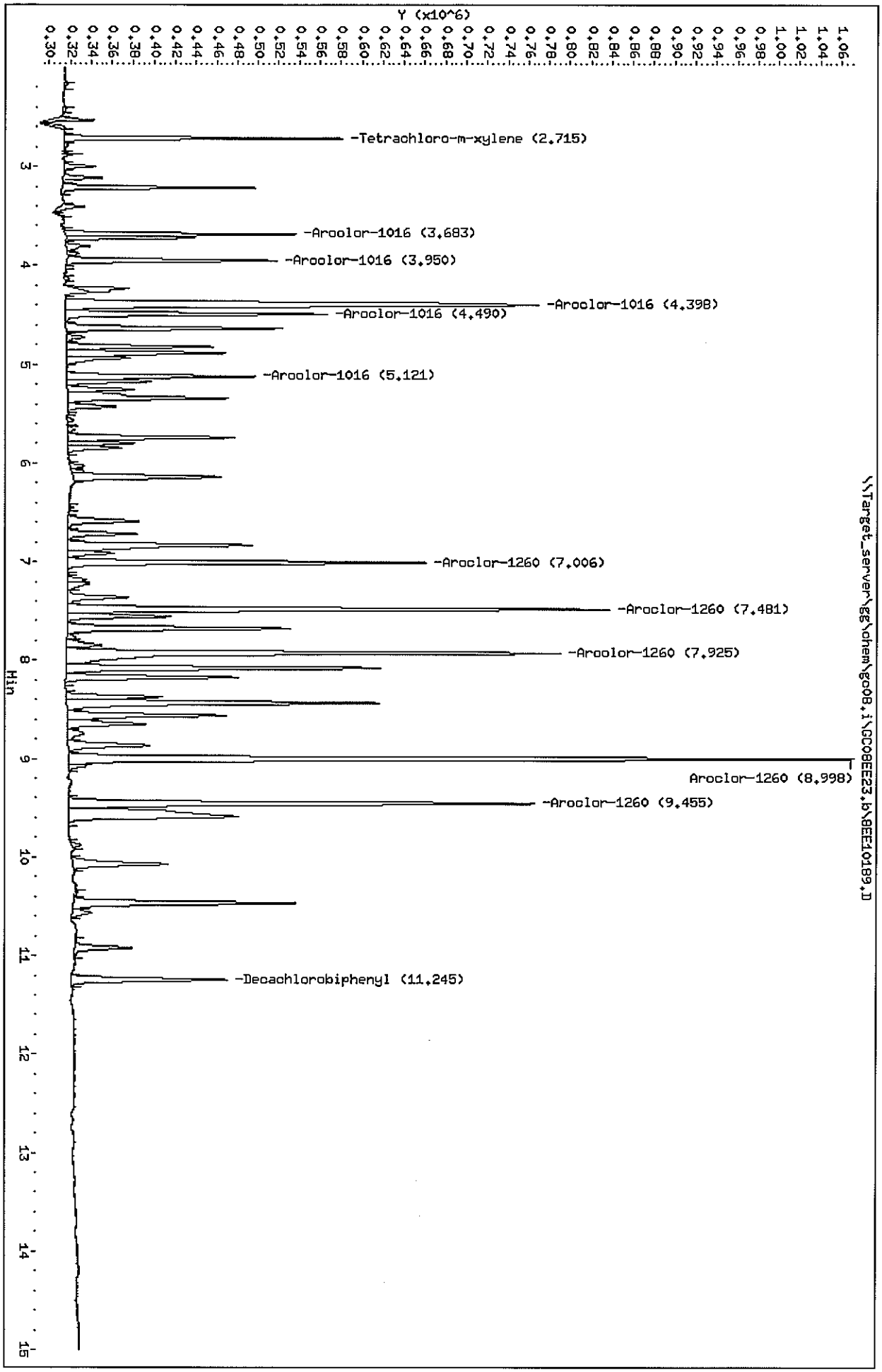
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.722	-0.008	266689	0.02000	0.00525			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.683	3.689	-0.006	221160	1.00000	0.268	80.00- 120.00	100.00	(a)
3.949	3.954	-0.005	201457	1.00000	0.247	158.77- 238.15	91.09	
4.398	4.404	-0.006	454236	1.00000	0.227	296.98- 445.46	205.39	
4.489	4.494	-0.005	250679	1.00000	0.246	114.78- 172.17	113.35	
5.121	5.126	-0.005	180608	1.00000	0.253	112.32- 168.48	81.66	
Average of Peak Amounts =					0.24820			
9 Aroclor-1260					CAS #: 11096-82-5			
7.006	7.011	-0.005	343579	1.00000	0.313	80.00- 120.00	100.00	(a)
7.481	7.482	-0.001	519295	1.00000	0.322	94.69- 142.03	151.14	
7.924	7.927	-0.003	473559	1.00000	0.315	89.28- 133.92	137.83	
8.998	9.001	-0.003	752677	1.00000	0.316	72.48- 108.72	219.07	
9.454	9.456	-0.002	446116	1.00000	0.313	0.00- 0.00	129.84	
Average of Peak Amounts =					0.31580			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.244	11.246	-0.002	148630	0.02000	0.00536			(a)

Data File: \\Target_server\gc\chem\gc08.i\GC08EE23.b\8EE10189.D
Date : 23-MAY-2011 14:05
Client ID:
Sample Info: AR1660 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1405

Lab File ID: 8EE10189 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aroclor-1016	456590.00	529570.00	0.001	15.98	20.00	AVRG	
(2)	410400.00	476990.00	0.001	16.23	20.00	AVRG	
(3)	844690.00	975880.00	0.001	15.53	20.00	AVRG	
(4)	432180.00	493390.00	0.001	14.16	20.00	AVRG	
(5)	418850.00	478720.00	0.001	14.29	20.00	AVRG	
Average %D: 15.240							
Aroclor-1260	687690.00	785660.00	0.001	14.25	20.00	AVRG	
(2)	811260.00	935660.00	0.001	15.33	20.00	AVRG	
(3)	818830.00	930060.00	0.001	13.58	20.00	AVRG	
(4)	1330200.0	1548600.0	0.001	16.42	20.00	AVRG	
(5)	836510.00	964560.00	0.001	15.31	20.00	AVRG	
Average %D: 14.960							
Tetrachloro-m-xylene	21796000	26635000	0.001	22.20	20.00	AVRG	<-
Decachlorobiphenyl	11266000	11839000	0.001	5.09	20.00	AVRG	

FORM VII PEST

Data File: 8EE10189.D
Report Date: 08-Jun-2011 12:20

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10189.D
Lab Smp Id: AR1660 0.25
Inj Date : 23-MAY-2011 14:05
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 44 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

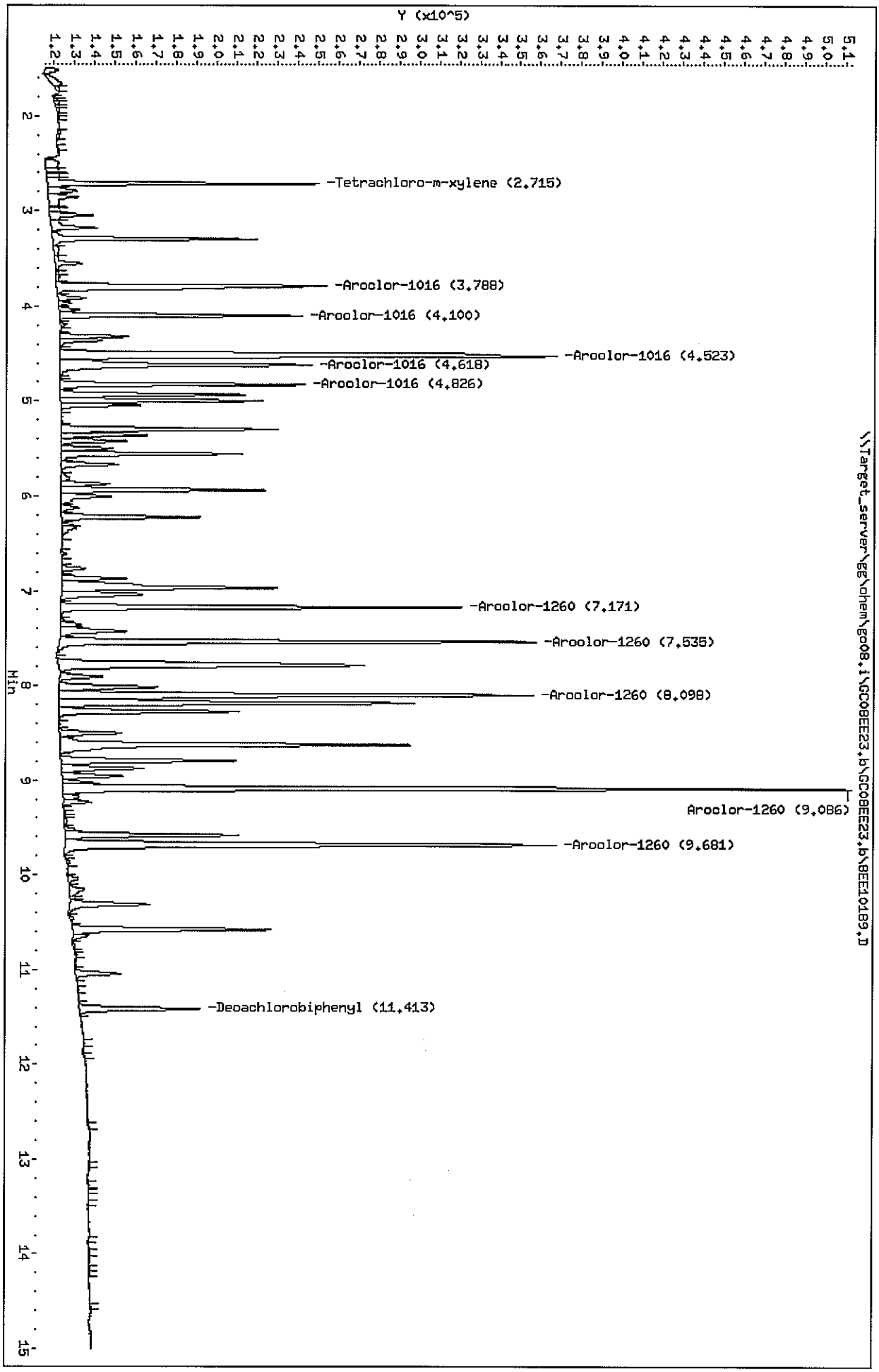
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.720	-0.006	133173	0.02000	0.00611			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.787	3.792	-0.005	132392	1.00000	0.290	80.00- 120.00	100.00	(a)
4.099	4.104	-0.005	119248	1.00000	0.290	158.77- 238.15	90.07	
4.522	4.527	-0.005	243969	1.00000	0.289	296.98- 445.46	184.28	
4.617	4.622	-0.005	123348	1.00000	0.285	114.78- 172.17	93.17	
4.826	4.829	-0.003	119681	1.00000	0.286	112.32- 168.48	90.40	
Average of Peak Amounts =					0.28800			
9 Aroclor-1260					CAS #: 11096-82-5			
7.171	7.175	-0.004	196416	1.00000	0.286	80.00- 120.00	100.00	(a)
7.534	7.539	-0.005	233915	1.00000	0.288	94.69- 142.03	119.09	
8.097	8.102	-0.005	232516	1.00000	0.284	89.28- 133.92	118.38	
9.086	9.089	-0.003	387159	1.00000	0.291	72.48- 108.72	197.11	
9.681	9.680	0.001	241140	1.00000	0.288	0.00- 0.00	122.77	
Average of Peak Amounts =					0.28740			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.412	11.415	-0.003	59194	0.02000	0.00525			(a)

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10189.D
Date : 23-MAY-2011 14:05
Client ID:
Sample Info: AR1660 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1713

Lab File ID: 8EE10198 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1428000	1.0000000	707090.00	0.001	14.28	20.00	LINR	
(2)	1.1329000	1.0000000	641140.00	0.001	13.29	20.00	LINR	
(3)	1.1859000	1.0000000	1383600.0	0.001	18.59	20.00	LINR	
(4)	1.1124000	1.0000000	760750.00	0.001	11.24	20.00	LINR	
(5)	1.0371000	1.0000000	534280.00	0.001	3.71	20.00	LINR	
Aroclor-1260	0.7881200	1.0000000	820670.00	0.001	-21.19	20.00	LINR	<-
(2)	0.7788100	1.0000000	1174400.0	0.001	-22.12	20.00	LINR	<-
(3)	0.7619500	1.0000000	1075400.0	0.001	-23.80	20.00	LINR	<-
(4)	0.7196200	1.0000000	1595800.0	0.001	-28.04	20.00	LINR	<-
(5)	0.6410100	1.0000000	865540.00	0.001	-35.90	20.00	LINR	<-
Decachlorobiphenyl	9.42e-003	2.e-002	11456000	0.001	-52.90	20.00	LINR	<-
Tetrachloro-m-xylene	2.64e-002	2.e-002	46765000	0.001	32.00	20.00	LINR	<-

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10198.D
Report Date: 08-Jun-2011 12:20

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10198.D
Lab Smp Id: AR1660 1.0
Inj Date : 23-MAY-2011 17:13
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

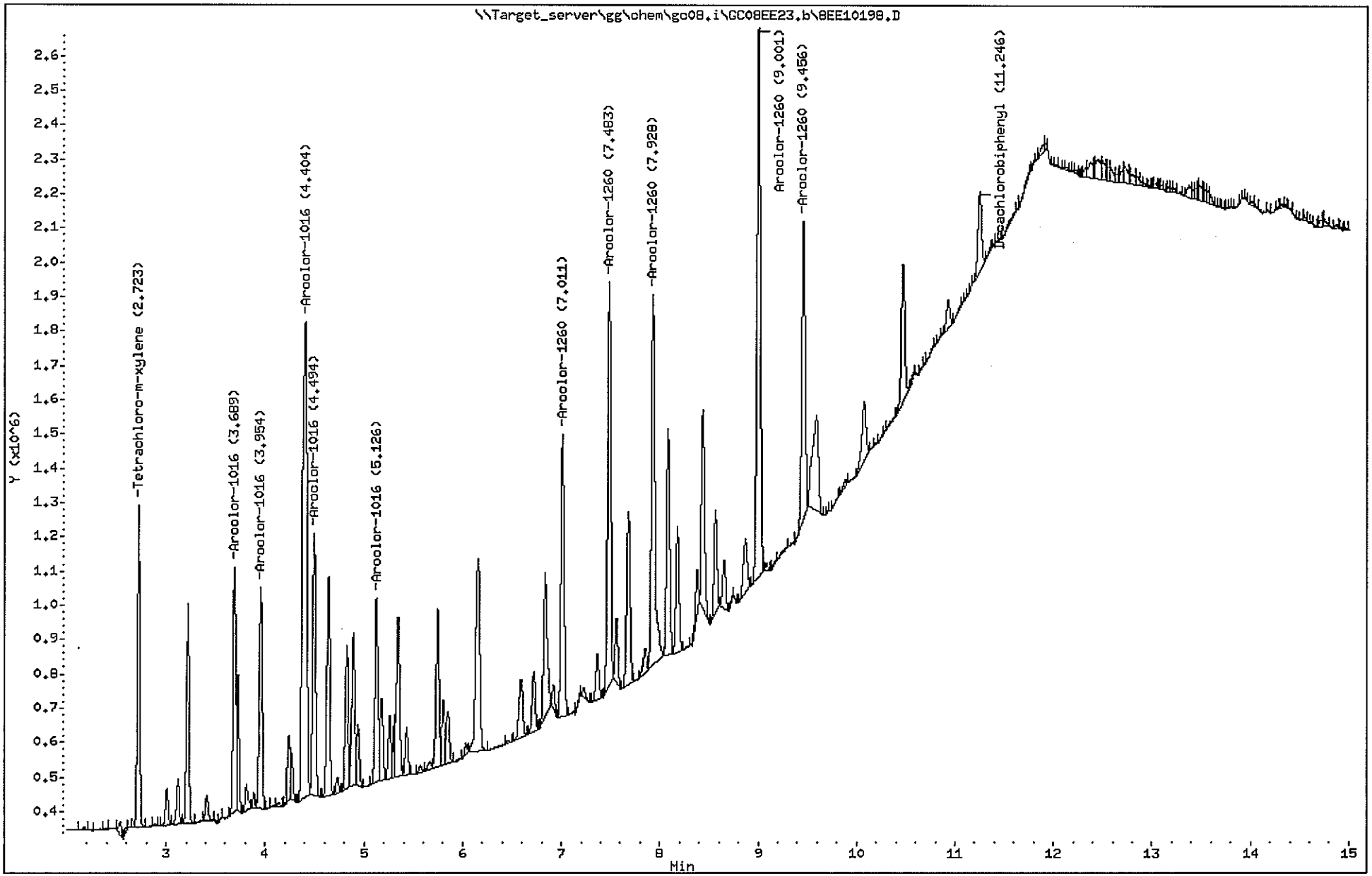
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.722	2.722	0.000	935299	0.02000	0.0264			(a)
6 Aroclor-1016					CAS #: 12674-11-2			
3.689	3.689	0.000	707093	1.00000	1.14	80.00- 120.00	100.00	
3.954	3.954	0.000	641144	1.00000	1.13	158.77- 238.15	90.67	
4.404	4.404	0.000	1383624	1.00000	1.18	296.98- 445.46	195.68	
4.494	4.494	0.000	760750	1.00000	1.11	114.78- 172.17	107.59	
5.126	5.126	0.000	534281	1.00000	1.04	112.32- 168.48	75.56	
Average of Peak Amounts =					1.12000			
9 Aroclor-1260					CAS #: 11096-82-5			
7.011	7.011	0.000	820667	1.00000	0.788	80.00- 120.00	100.00	
7.482	7.482	0.000	1174439	1.00000	0.779	94.69- 142.03	143.11	
7.927	7.927	0.000	1075380	1.00000	0.762	89.28- 133.92	131.04	
9.001	9.001	0.000	1595785	1.00000	0.720	72.48- 108.72	194.45	
9.456	9.456	0.000	865538	1.00000	0.641	0.00- 0.00	105.47	
Average of Peak Amounts =					0.73800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.246	11.246	0.000	229124	0.02000	0.00942			(a)

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\8EE10198.D
Date : 23-MAY-2011 17:13
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000120

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/23/11 Time: 1713

Lab File ID: 8EE10198 Init. Calib. Date(s): 05/17/11 05/17/11

Init. Calib. Times: 1426 1610

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aroclor-1016	456590.00	476060.00	0.001	4.26	20.00	AVRG	
(2)	410400.00	410440.00	0.001	0.01	20.00	AVRG	
(3)	844690.00	849110.00	0.001	0.52	20.00	AVRG	
(4)	432180.00	412460.00	0.001	-4.56	20.00	AVRG	
(5)	418850.00	400980.00	0.001	-4.27	20.00	AVRG	
Average %D: -0.810							
Aroclor-1260	687690.00	544380.00	0.001	-20.84	20.00	AVRG	<-
(2)	811260.00	644930.00	0.001	-20.50	20.00	AVRG	<-
(3)	818830.00	622260.00	0.001	-24.01	20.00	AVRG	<-
(4)	1330200.0	1036100.0	0.001	-22.11	20.00	AVRG	<-
(5)	836510.00	603040.00	0.001	-27.91	20.00	AVRG	<-
Average %D: -23.07							
Tetrachloro-m-xylene	21796000	25273000	0.001	15.95	20.00	AVRG	
Decachlorobiphenyl	11266000	9243500.0	0.001	-17.95	20.00	AVRG	

FORM VII PEST

Data File: 8EE10198.D
Report Date: 08-Jun-2011 12:20

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10198.D
Lab Smp Id: AR1660 1.0
Inj Date : 23-MAY-2011 17:13
Operator : JLP Inst ID: gc08.i
Smp Info : AR1660 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

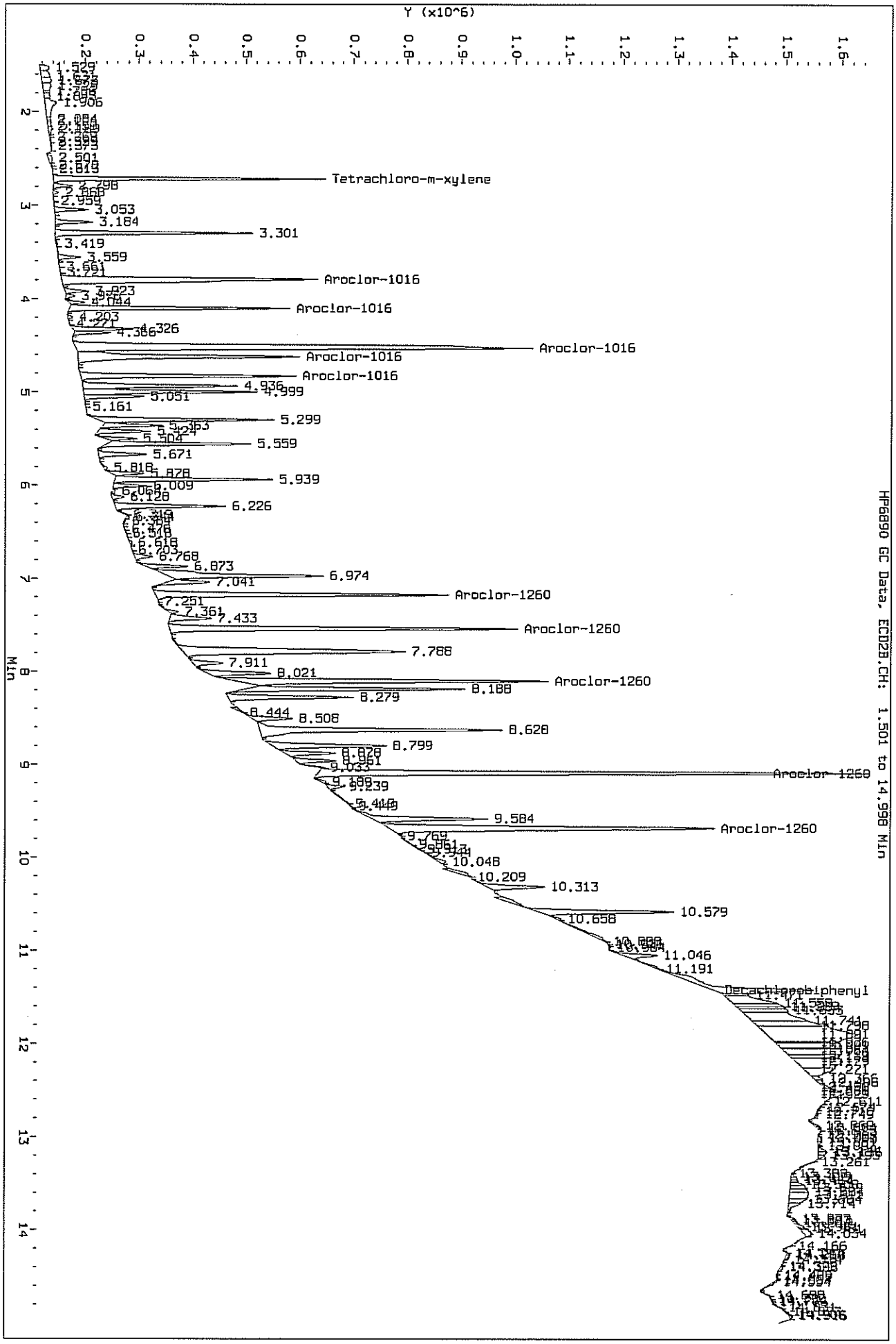
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.720	2.720	0.000	505453	0.02000	0.0232			(a)
5 Aroclor-1016					CAS #: 12674-11-2			
3.792	3.792	0.000	476059	1.00000	1.04	80.00- 120.00	100.00	
4.104	4.104	0.000	410439	1.00000	1.00	158.77- 238.15	86.22	
4.527	4.527	0.000	849109	1.00000	1.00	296.98- 445.46	178.36	
4.622	4.622	0.000	412459	1.00000	0.954	114.78- 172.17	86.64	
4.829	4.829	0.000	400980	1.00000	0.957	112.32- 168.48	84.23	
Average of Peak Amounts =					0.99020			
9 Aroclor-1260					CAS #: 11096-82-5			
7.175	7.175	0.000	544376	1.00000	0.792	80.00- 120.00	100.00(M)	
7.539	7.539	0.000	644932	1.00000	0.795	94.69- 142.03	118.47	
8.102	8.102	0.000	622257	1.00000	0.760	89.28- 133.92	114.31	
9.089	9.089	0.000	1036111	1.00000	0.779	72.48- 108.72	190.33	
9.680	9.680	0.000	603044	1.00000	0.721	0.00- 0.00	110.78	
Average of Peak Amounts =					0.76940			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.415	11.415	0.000	184870	0.02000	0.0164			(a)

MS
JLP
060811

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10198.D
Injection Date: 23-MAY-2011 17:13
Instrument: gc08.i
Client Sample ID:



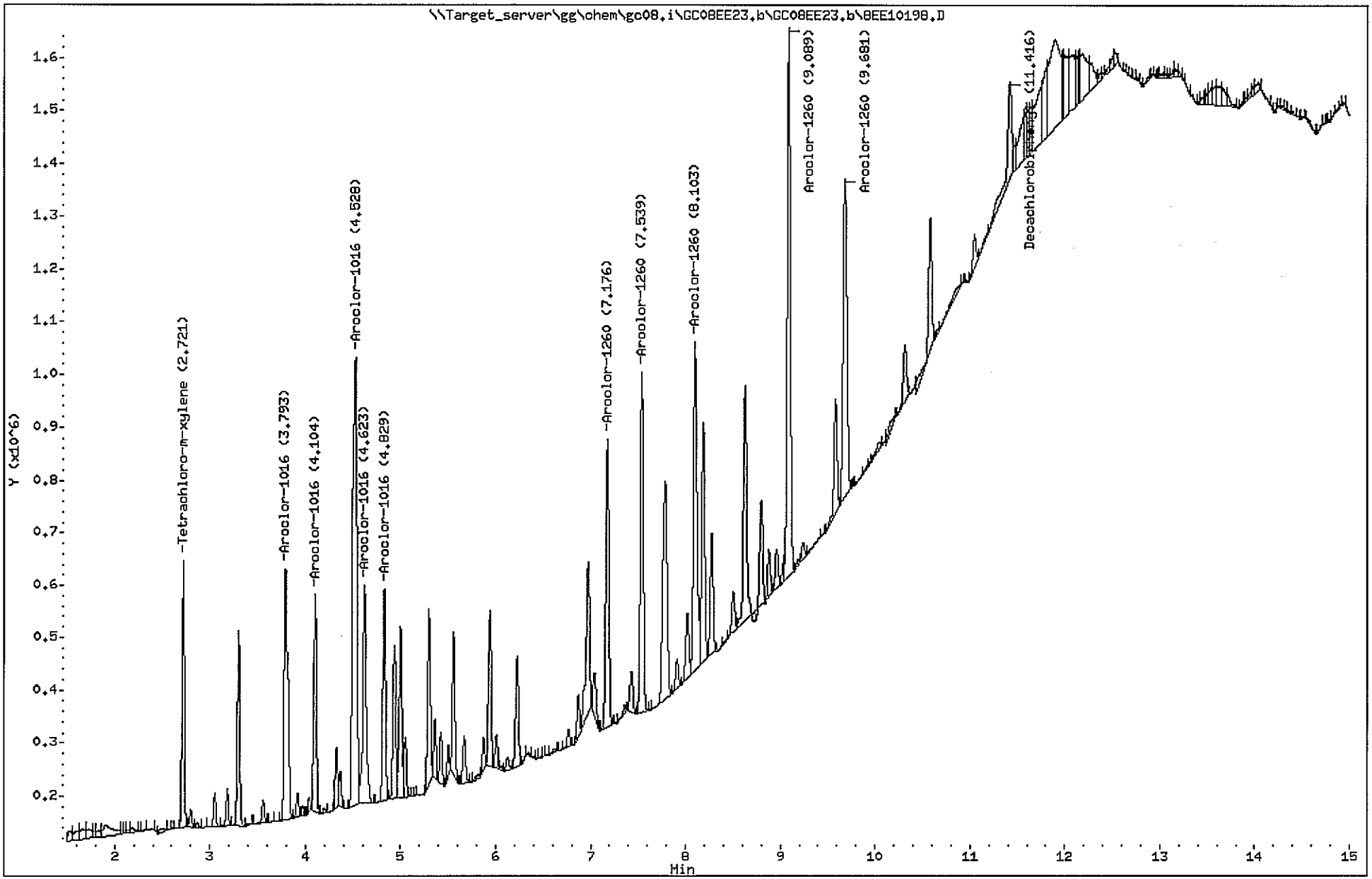
BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10198.D
Date : 23-MAY-2011 17:13
Client ID:
Sample Info: AR1660 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue2

Instrument: go08.i

Operator: JLP
Column diameter: 0.53

AFTER
MANUAL INTEGRATION



Katahdin Analytical Services 3000124

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91852-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	8.5	ug/Kgdrywt	1	17	17.	6.0	8.5
Aroclor-1221	U	8.5	ug/Kgdrywt	1	17	17.	7.9	8.5
Aroclor-1232	U	10.	ug/Kgdrywt	1	17	17.	9.3	10.
Aroclor-1242	U	8.5	ug/Kgdrywt	1	17	17.	5.8	8.5
Aroclor-1248	U	8.5	ug/Kgdrywt	1	17	17.	6.1	8.5
Aroclor-1254	U	8.5	ug/Kgdrywt	1	17	17.	4.7	8.5
Aroclor-1260	U	8.5	ug/Kgdrywt	1	17	17.	6.0	8.5
Tetrachloro-M-Xylene		74.2	%					
Decachlorobiphenyl		72.1	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10181.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10181.D
Lab Smp Id: WG91852-1 Client Smp ID: WG91852-Blank
Inj Date : 23-MAY-2011 11:19
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-1,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 36 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW COOE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.720	2.722	-0.002	2442451	0.07418	24.7			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.247	11.246	0.001	1468571	0.07191	24.0			

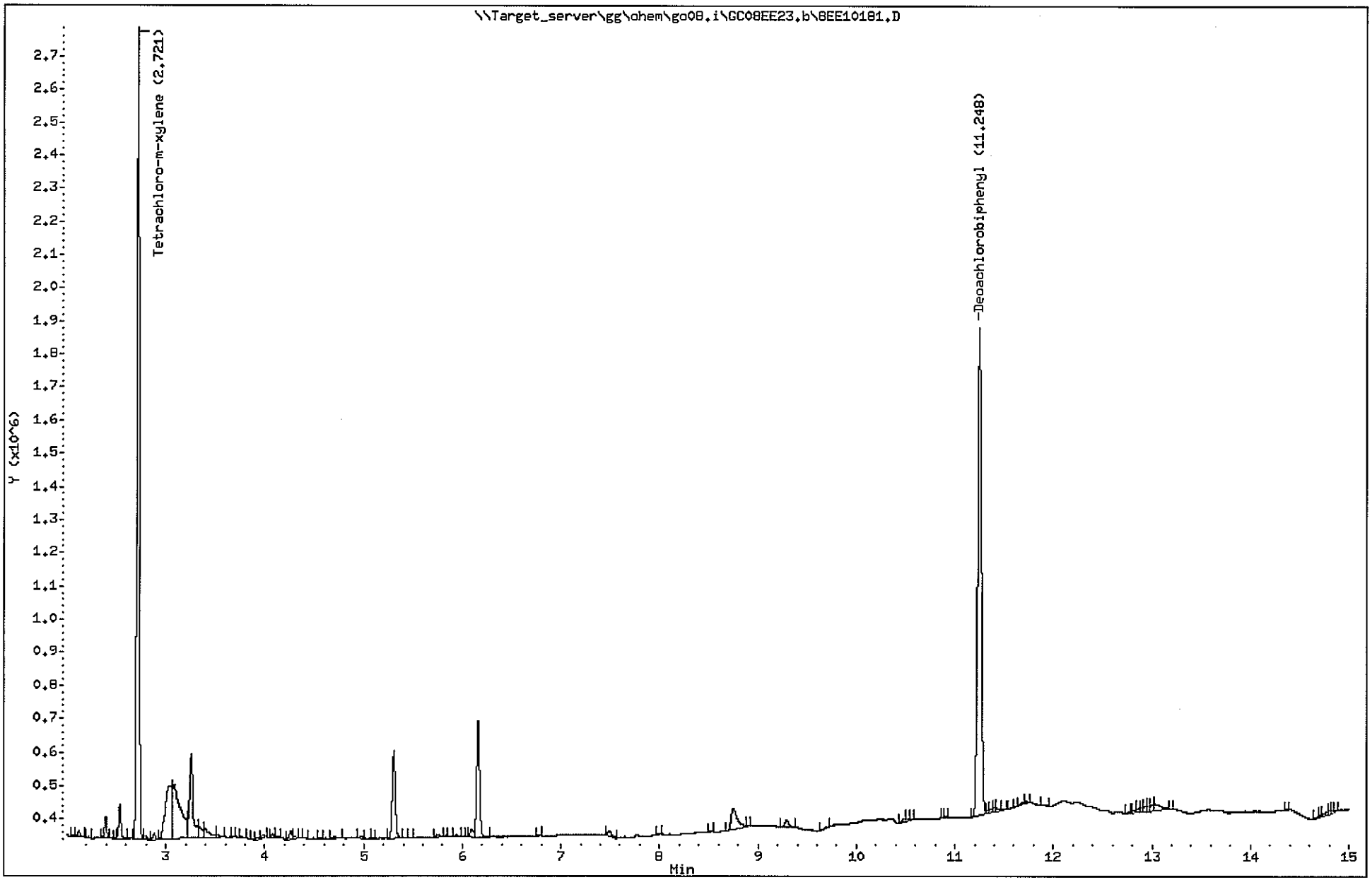
Data File: \\Target_server\gg\ohem\go08.i\GC08EE23.b\8EE10181.D
Date : 23-MAY-2011 11:19
Client ID: WG91852-Blank
Sample Info: WG91852-1,SE2818

Instrument: go08.i

Operator: JLP

Column phase: ZB-Multiresidue1

Column diameter: 0.53



Katahdin Analytical Services 3000128

Data File: 8EE10181.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10181.D
Lab Smp Id: WG91852-1 Client Smp ID: WG91852-Blank
Inj Date : 23-MAY-2011 11:19
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-1,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 36 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8082DoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

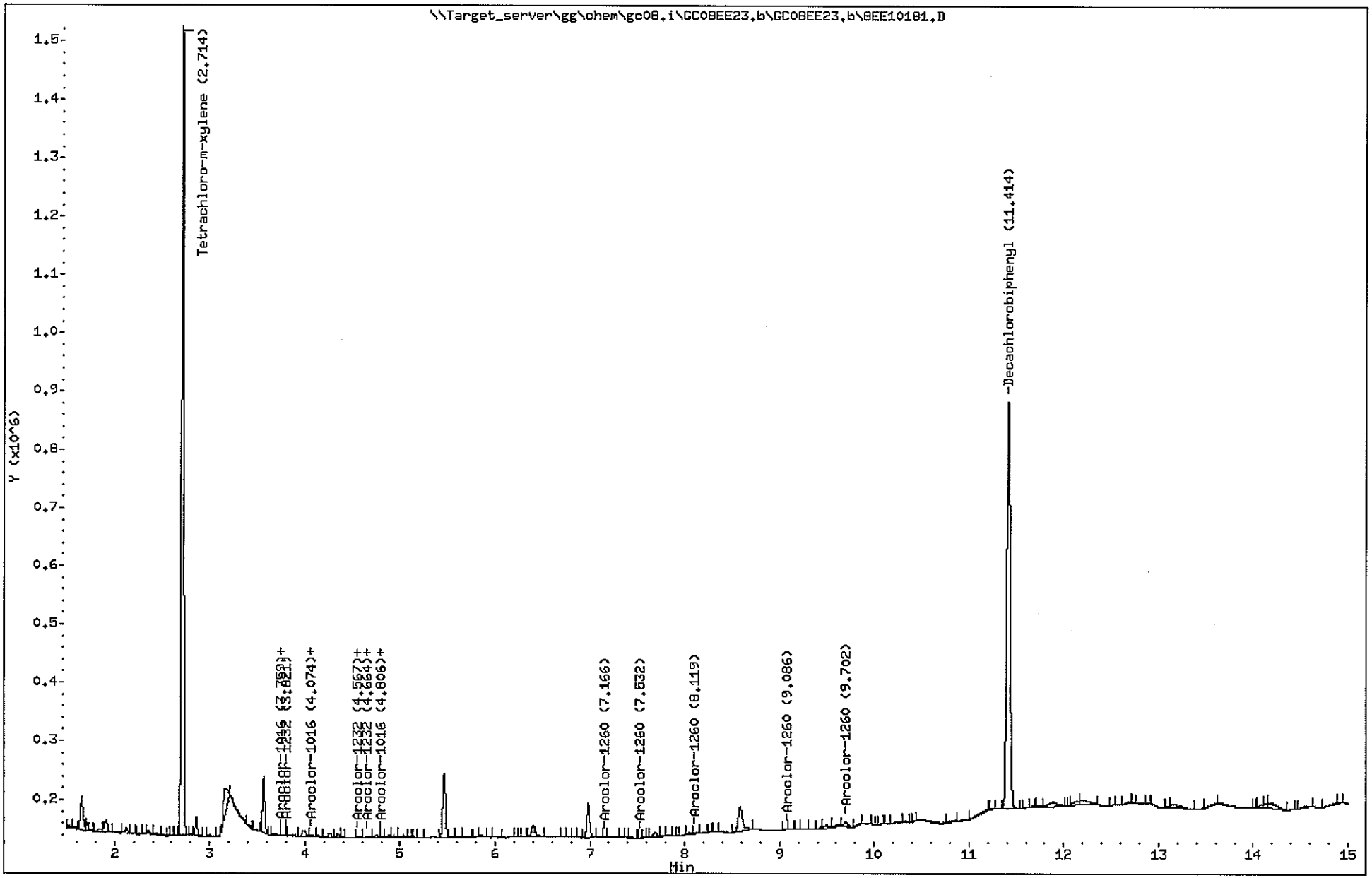
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.720	-0.006	1381978	0.06340	21.1			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.414	11.415	-0.001	696739	0.06185	20.6			

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10181.D
Date : 23-MAY-2011 11:19
Client ID: WG91852-Blank
Sample Info: WG91852-1,SE2818

Column phase: ZB-Multiresidue2

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 3000130

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91852-2
LCSD ID: WG91852-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 23-MAY-11
Extract Date: 23-MAY-11
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG91852

Analysis Date: 23-MAY-11
Analyst: JLP
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	167.	180.	108.	185.	111.	ug/Kgdrywt	3	30	40-140
Aroclor-1260	167.	181.	108.	190.	114.	ug/Kgdrywt	5	30	60-130
Tetrachloro-M-Xylene			100.		99.4				56-115
Decachlorobiphenyl			100.		105.				60-125

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10182.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10182.D
Lab Smp Id: WG91852-2 Client Smp ID: WG91852-LCS
Inj Date : 23-MAY-2011 11:39
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-2,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 37 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

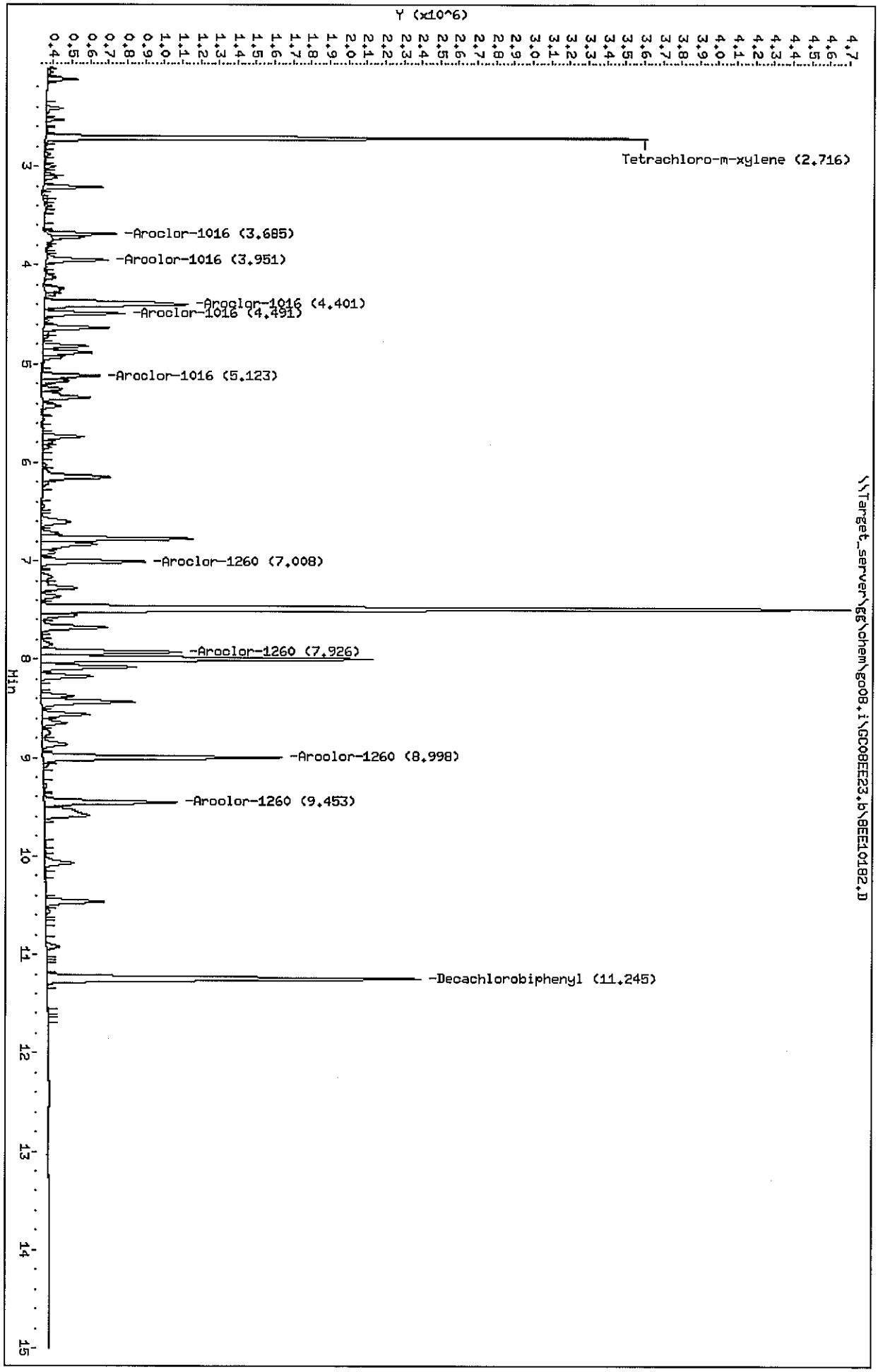
Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.716	2.722	-0.006	3260667	0.10010	33.4			
6 Aroclor-1016					CAS #: 12674-11-2			
3.684	3.689	-0.005	362234	0.52239	174	80.00- 120.00	100.00	
3.951	3.954	-0.003	333747	0.51360	171	158.77- 238.15	92.14	
4.401	4.404	-0.003	775011	0.55807	186	296.98- 445.46	213.95	
4.491	4.494	-0.003	434201	0.55799	186	114.78- 172.17	119.87	
5.123	5.126	-0.003	314775	0.55070	184	112.32- 168.48	86.90	
Average of Peak Concentrations =					180			
9 Aroclor-1260					CAS #: 11096-82-5			
7.008	7.011	-0.003	564726	0.53340	178	80.00- 120.00	100.00	
7.479	7.482	-0.003	0	0.000	0.000	94.69- 142.03	0.00	
7.926	7.927	-0.001	762812	0.52962	176	89.28- 133.92	135.08	
8.998	9.001	-0.003	1292840	0.57458	192	72.48- 108.72	228.93	
9.453	9.456	-0.003	725117	0.53113	177	0.00- 0.00	128.40	
Average of Peak Concentrations =					181			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.244	11.246	-0.002	2026909	0.10006	33.4			

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\8EE10182.D
Date : 23-MAY-2011 11:39
Client ID: WG91852-LCS
Sample Info: WG91852-2,SE2818
Column phase: ZB-Multiresidue1

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10182.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10182.D
Lab Smp Id: WG91852-2 Client Smp ID: WG91852-LCS
Inj Date : 23-MAY-2011 11:39
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-2,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 37 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

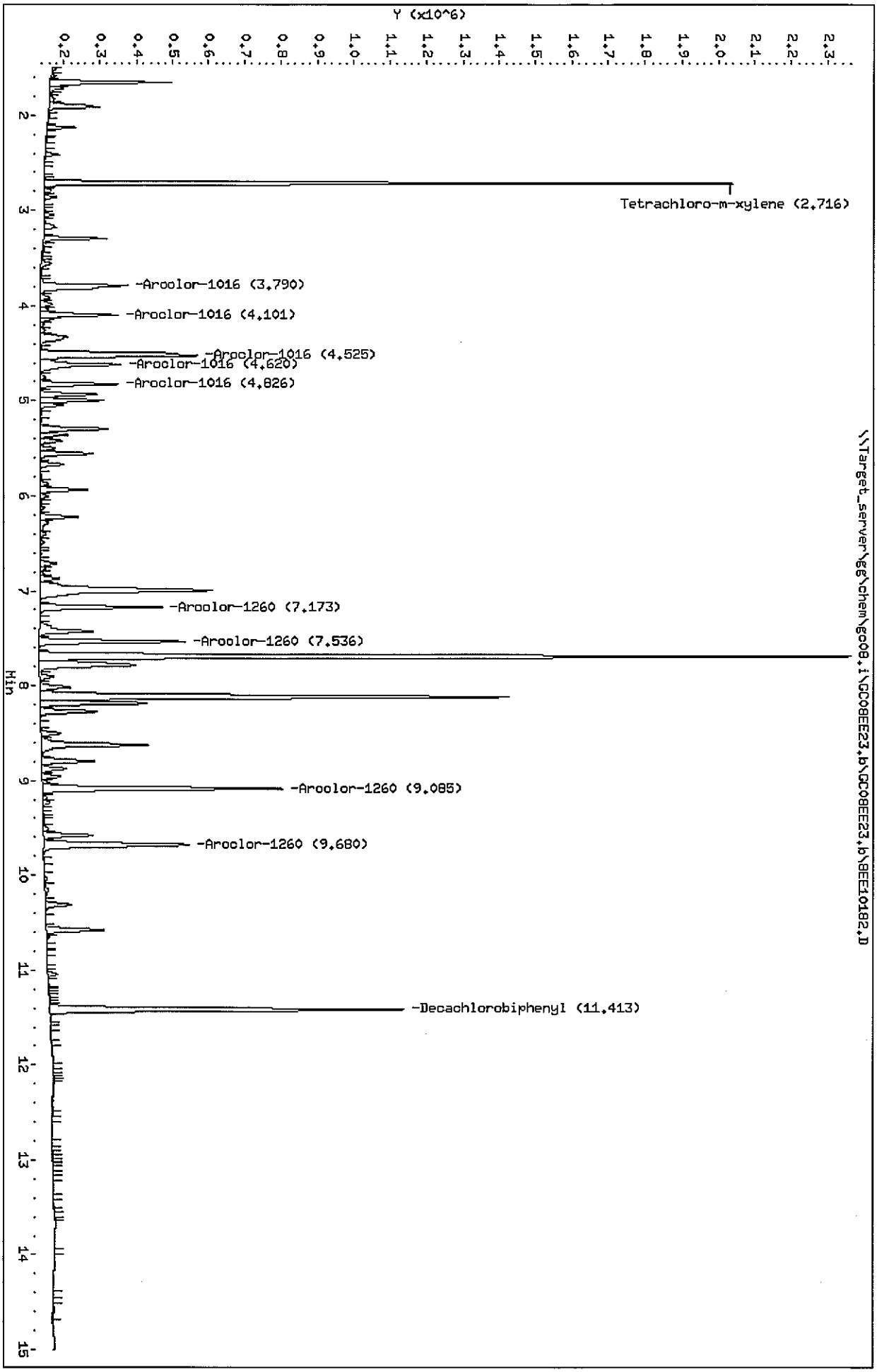
Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.716	2.720	-0.004	1893914	0.08689	29.0			
5 Aroclor-1016					CAS #: 12674-11-2			
3.789	3.792	-0.003	238698	0.52279	174	80.00- 120.00	100.00	
4.101	4.104	-0.003	211076	0.51432	171	158.77- 238.15	88.43	
4.524	4.527	-0.003	432712	0.51228	171	296.98- 445.46	181.28	
4.619	4.622	-0.003	220267	0.50967	170	114.78- 172.17	92.28	
4.826	4.829	-0.003	212526	0.50740	169	112.32- 168.48	89.04	
Average of Peak Concentrations =					171			
9 Aroclor-1260					CAS #: 11096-82-5			
7.172	7.175	-0.003	336063	0.48868	163	80.00- 120.00	100.00	
7.536	7.539	-0.003	402479	0.49612	165	94.69- 142.03	119.76	
8.097	8.102	-0.005	0	0.000	0.000	89.28- 133.92	0.00	
9.084	9.089	-0.005	662698	0.49819	166	72.48- 108.72	197.19	
9.679	9.680	-0.001	403633	0.48252	161	0.00- 0.00	120.11	
Average of Peak Concentrations =					164			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.412	11.415	-0.003	973701	0.08643	28.8			

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10182.D
Date : 23-MAY-2011 11:39
Client ID: WG91852-LCS
Sample Info: WG91852-2,SE2818
Column phase: ZB-Multiresidue2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10183.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\8EE10183.D
Lab Smp Id: WG91852-3 Client Smp ID: WG91852-LCSD
Inj Date : 23-MAY-2011 12:00
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-3,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m
Meth Date : 24-May-2011 07:20 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 38 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

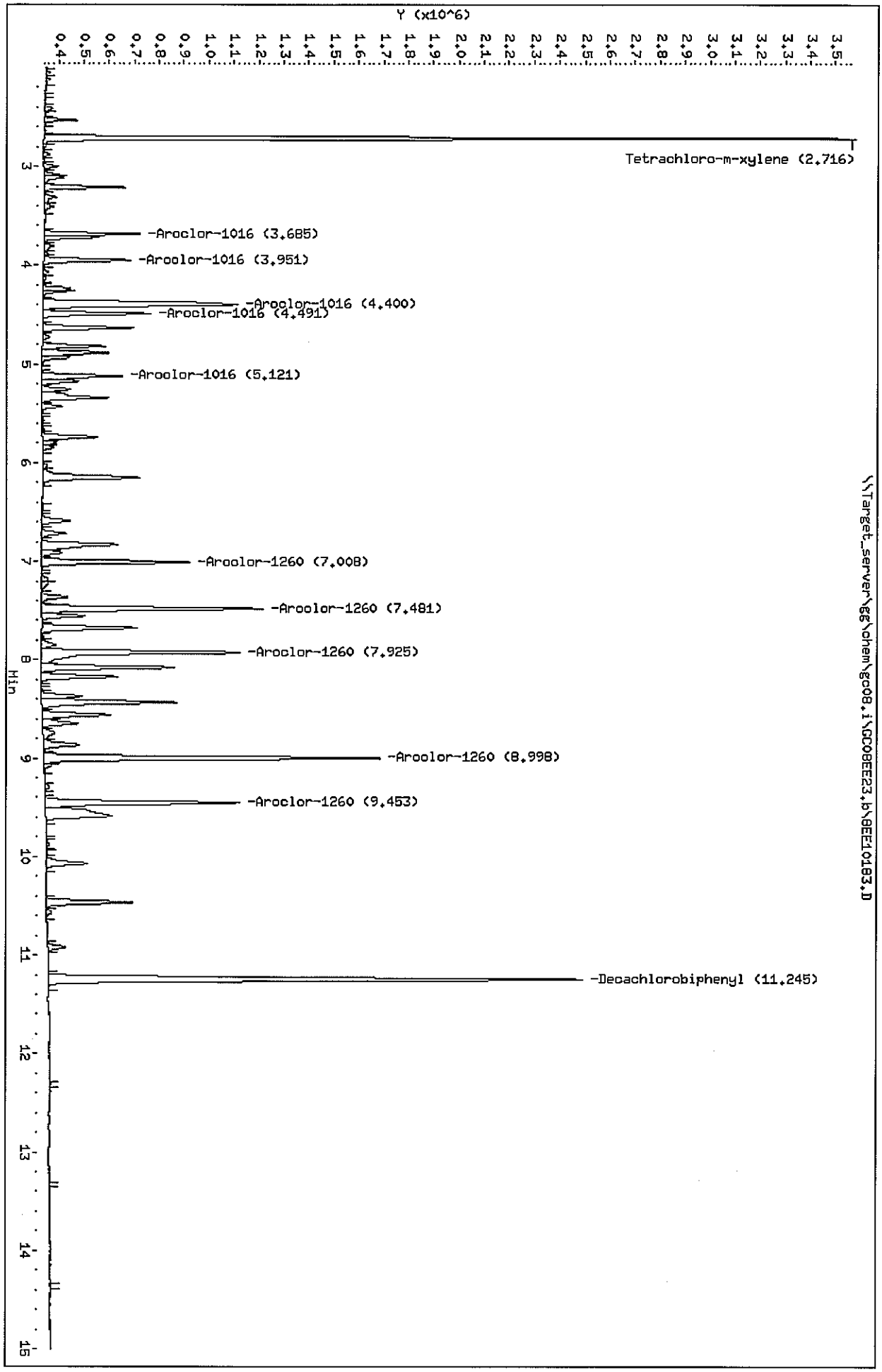
Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.716	2.722	-0.006	3234458	0.09927	33.1			
6 Aroclor-1016					CAS #: 12674-11-2			
3.684	3.689	-0.005	381948	0.55786	186	80.00- 120.00	100.00	
3.951	3.954	-0.003	345828	0.53794	179	158.77- 238.15	90.54	
4.399	4.404	-0.005	781212	0.56446	188	296.98- 445.46	204.53	
4.491	4.494	-0.003	432458	0.55503	185	114.78- 172.17	113.22	
5.121	5.126	-0.005	321207	0.56496	188	112.32- 168.48	84.10	
Average of Peak Concentrations =					185			
9 Aroclor-1260					CAS #: 11096-82-5			
7.007	7.011	-0.004	588713	0.55727	186	80.00- 120.00	100.00	
7.481	7.482	-0.001	884313	0.57674	192	94.69- 142.03	150.21	
7.924	7.927	-0.003	793538	0.55246	184	89.28- 133.92	134.79	
8.997	9.001	-0.004	1342321	0.59827	199	72.48- 108.72	228.01	
9.452	9.456	-0.004	775561	0.57061	190	0.00- 0.00	131.74	
Average of Peak Concentrations =					190			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.244	11.246	-0.002	2126802	0.10510	35.0			

Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\8EE10183.D
Date : 23-MAY-2011 12:00
Client ID: WG91852-LCSD
Sample Info: WG91852-3,SE2818
Column phase: ZB-Multiresidue1

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10183.D
Report Date: 26-May-2011 09:22

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE23.b\GC08EE23.b\8EE10183.D
Lab Smp Id: WG91852-3 Client Smp ID: WG91852-LCSD
Inj Date : 23-MAY-2011 12:00
Operator : JLP Inst ID: gc08.i
Smp Info : WG91852-3,SE2818
Misc Info : WG91877,WG91852,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE23.b\PCB017.m\PCB017.m
Meth Date : 24-May-2011 07:26 jprescott Quant Type: ESTD
Cal Date : 17-MAY-2011 23:47 Cal File: 8EE10100.D
Als bottle: 38 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.714	2.720	-0.006	1884445	0.08646	28.8			
5 Aroclor-1016					CAS #: 12674-11-2			
3.789	3.792	-0.003	229505	0.50266	168	80.00- 120.00	100.00	
4.101	4.104	-0.003	204138	0.49741	166	158.77- 238.15	88.95	
4.524	4.527	-0.003	424449	0.50249	167	296.98- 445.46	184.94	
4.619	4.622	-0.003	219213	0.50723	169	114.78- 172.17	95.52	
4.826	4.829	-0.003	208956	0.49888	166	112.32- 168.48	91.05	
Average of Peak Concentrations =					167			
9 Aroclor-1260					CAS #: 11096-82-5			
7.172	7.175	-0.003	348707	0.50707	169	80.00- 120.00	100.00	
7.536	7.539	-0.003	425238	0.52417	175	94.69- 142.03	121.95	
8.099	8.102	-0.003	408276	0.49861	166	89.28- 133.92	117.08	
9.084	9.089	-0.005	703825	0.52910	176	72.48- 108.72	201.84	
9.679	9.680	-0.001	423917	0.50677	169	0.00- 0.00	121.57	
Average of Peak Concentrations =					171			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
11.414	11.415	-0.001	999555	0.08873	29.6			

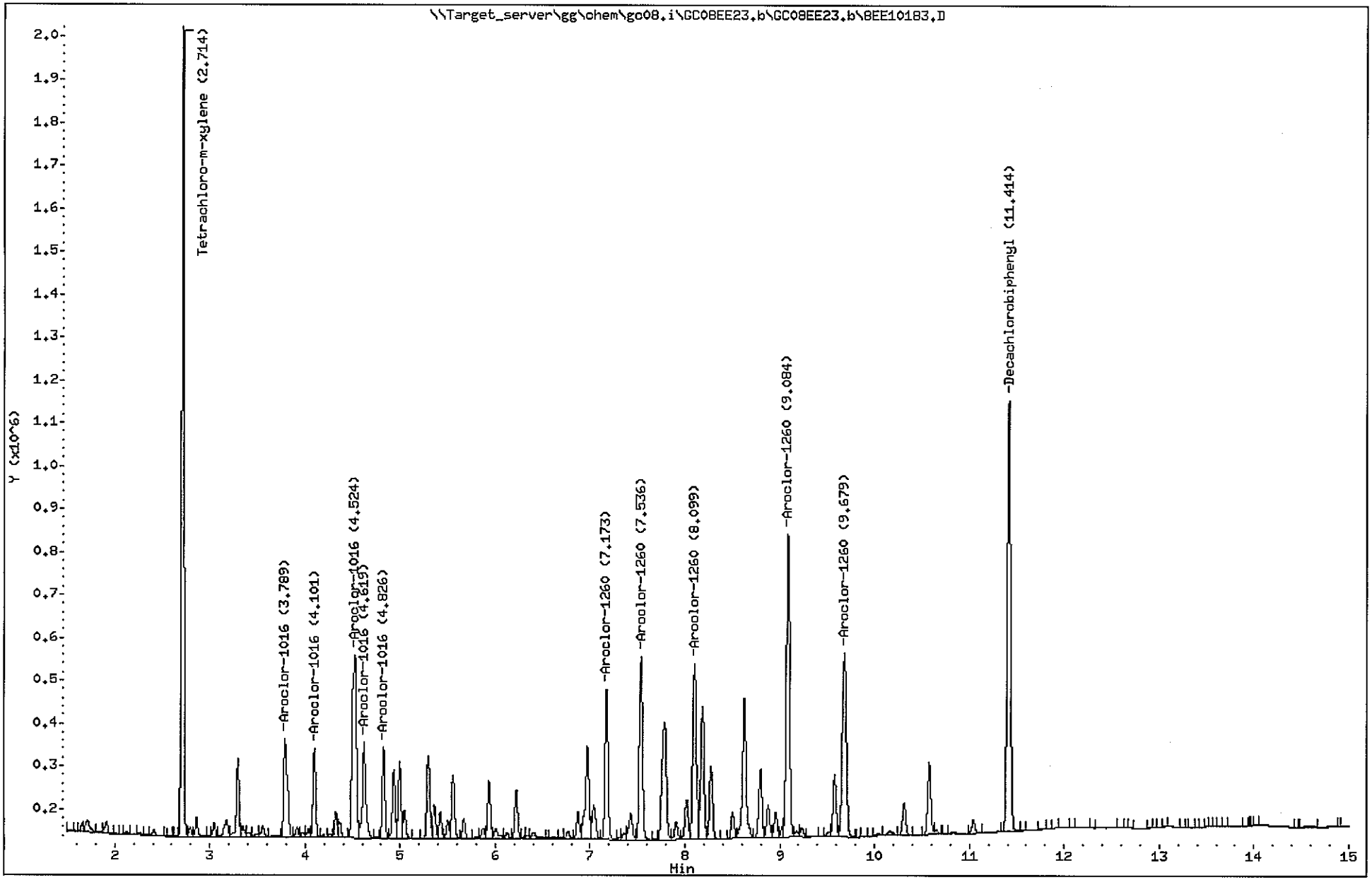
Data File: \\Target_server\gg\chem\go08.i\GC08EE23.b\GC08EE23.b\8EE10183.D
Date : 23-MAY-2011 12:00
Client ID: WG91852-LCSD
Sample Info: WG91852-3,SE2818

Instrument: go08.i

Operator: JLP

Column phase: ZB-Multiresidue2

Column diameter: 0.53



Katahdin Analytical Services 3000139

Logbooks and Supporting Documents

PCB SOW LOD + LOQ

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

Extraction Method: (check one)	SW846 3550 (SONIC.) ✓	SW846 3540 (SOX)	SW846 3545 (ASE)
Analytical Method: (check one)	SW846 8081	SW846 8082 ✓	SW846 3580 (OILS/WIPES)
Standards	Surrogate ID: G-C0875	Spike ID: G-C0874	Spike ID:
Solvents	Solvent Lot # (MeCl2): K16E11	Solvent Lot # (Acetone): K13E23	Solvent Lot # (Hexane): J43E16
Consumables	Filter Paper Lot # (SON) FC002256	Filter Paper Lot # (KD) FC001444	Acid Lot # J42030
	Sodium Sulfate (granular) Lot #: 2796002	Sodium Sulfate (powder) Lot #: 2797001	Vial Lot #
Misc.	Nitrogen Bath Temperature: 35°C	Sonicator Horns Tuned: C20°C	Balance ID: Mettler PJ440
Prep Start Time: 6:40	Prep End Time: 7:45		

EX-010 - Revision 1 - 03/10/2010

Ext. Date	Ext. Init.	Sample ID	Initial Weight (g)	Surr. Vol. (mL)	Spike Vol. (mL)	Fraction: Pest	Fraction: PCB	Pre-GPC: Date Conc.	Pre-GPC: Conc. Init.	Pre-GPC: Final Vol. (mL)	Acid Wash	Post-GPC: Date Conc.	Post-GPC: Conc. Init.	Post-GPC: Final Vol. (mL)	Tray Loc.	Comments
5-23-11	WS	WG-91852-1	29.99	1mL	NL		✓				✓	5-27-11	WS	10mL	FP974 D8	R159849
		-2	30.03		1mL										D9	
		-3	29.98												D10	

0000051

EX-010 - Revision 1 - 03/10/2010

Ext. Date	Ext. Init.	Sample ID	Initial Weight (g)	Surr. Vol. (mL)	Spike Vol. (mL)	Fraction: Pest	Fraction: PCB	Pre-GPC: Date Conc.	Pre-GPC: Conc. Init.	Pre-GPC: Final Vol. (mL)	Acid Wash	Post-GPC: Date Conc.	Post-GPC: Conc. Init.	Post-GPC: Final Vol. (mL)	Tray Loc.	Comments
5-23-11	WS	SE2818-6b	32.13	1mL	NL		✓				✓	5-23-11	WS	10mL	D11	
		-8d	30.39												D12	
		-10b	30.09												E1	
		-12b	31.05												E2	
		SE2828-1a	31.75												E3	
		-2a	30.75												E4	
		-3a	30.94												E5	
		LOD - AR1016/1260	29.96		0.05										E6	
		- AR1221/1254	30.01												E7	
		- AR1232	30.03												E8	
		- AR1242	30.00												E9	
		- AR1248	30.02												E10	
		- AR1262	30.00												E11	
		LOQ - AR1016/1260	30.03		0.1										E12	
		- AR1221/1254	30.02												F1	
		- AR1232	30.01												F2	
		- AR1242	30.02												F3	
		- AR1248	29.96												F4	
		- AR1262	30.04												F5	

0000052

Reviewed By _____ Date _____

Katahdin Analytical Services, Inc.
Instrument: GC08
Amount Injected 2uL

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5-4-11	AC	8EE10056	MDL-8	Y	Form016	347/348	
↓	↓	57	L-9	Y	↓	↓	
↓	↓	58	CV50	Y	↓	↓	
5-6-11	JLP	59	Hexane	N	Hex032	↓	
↓	↓	60	CV 0.5	Y	↓	↓	PG213
		61	WG91088-1 3510	↓			
		62	-2				
		63	-3				
		64	LOD ~~LOQ~~	~~N~~ Y			~~spiked w/LCS~~
		65	~~LOD~~ LOQ	Y			
		66	~~LOQ~~ WG91088-4	↓			
		67	SE2252-5				
		68	SE2285-1	↓			
		69	Hexane	N			
↓	↓	70	CV 0.25	Y	↓	↓	PG212
		New liner					
5-17-11	JLP	8EE10071	Hexane	N	PCB016	347/348	
↓	↓	72	AR1660 1.0	N	PCB016	↓	AL
		73	AR1660 1.0	Y	PCB017		PG196
		74	0.05				PG131
		75	0.1				PG130
		76	0.25				PG202
		77	2.5				PG127
		78	10				PG126
		79	AR1016 1.0				TA PG102
		80	AR1260 1.0				PG103
		81	AR1242 1.0				PG207
		82	0.05				PG204
		83	0.1				PG205
↓	↓	84	0.25	↓	↓	↓	PG206

Katahdin Analytical Services, Inc.
Instrument: GC08
Amount Injected ~~200~~ 2ul
JW 05/18/11

Reviewed by/ Date:_____

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / ~~556~~ / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5-17-11	JW	8EE10085	AR1242 2.5	Y	PCB017	347/348	PL6208
		086	↓ 10				PL6203
		087	AR1248 1.0				PL6198
		088	0.05				PL6137
		089	0.1				PL6136
		090	0.25				PL6135
		091	2.5				PL6133
		092	↓ 10				PL6132
		093	AR1254 1.0				PL6186
		094	0.05				PL6192
		095	0.1				PL6193
		096	0.25				PL6194
		097	2.5				PL6195
		098	↓ 10				PL6185
		099	AR1221 1.0				PL6109
↓		100	AR1232 1.0	↓			PL6040
5-18-11		101	WG91575-1 3510	Y			TCX↓A/B
		102	↓ -2				
		103	↓ -3				
		104	SE2661-1				FCX↓B
		105	SE2625-1				
		106	↓ -2				
		107	↓ -3				
		108	↓ -4				
		109	SE2658-1				
		110	↓ -4 ↓	↓			
		111	AR1260 1.0	Y			16,TCX+DCB A/B PL6196
		112	AR1242 ↓	↓			PL6207
		113	AR1248 ↓	↓			PL6198
↓	↓	↓ 114	AR1254 ↓	↓	↓	↓	PL6186

Katahdin Analytical Services, Inc.
Instrument: GC08
Amount Injected 2ul

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
			New liner				
5-23-11	JLP	8CE10 173	Hexane	N	PCB017	347/348	
		174	AR1660 1.0	Y			TCX+16↑ PU196
		175	AR1242				↑A PU207
		176	AR1248				↑A PU198
		177	AR1254				PU243
		178	SE2828-1 3550	Y			
		179	-2				
		180	-3				
		181	WG91852-1				
		182	-2				
		183	-3				
		184	WG91723-1RA 3550				TCXLB
		185	-2RA				
		186	-3RA				
		187	SE2692-1				
		188	Hexane	N			
		189	AR1660 0.25	Y			60↑A TCXTB PU202
		190	AR1242 1.0	Y			↑A PU207
		191	AR1248				↑A PU198
		192	AR1254				PU243
		193	SE2818-6 3550				TCX↓ A+B
		194	-8				TCX+DCB↓ A TCXLB
		195	-10				TCX+DCB↓ A
		196	-12				DCB↓ A+B
		197	Hexane	N			
		198	AR1660 1.0	Y			TCXT A 60↓B 60↓DCB PU196
		199	AR1242				PU207
		200	AR1248				PU198
		201	AR1254				PU243

METALS DATA

Sample Data Section

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a greater rate for false negatives, i.e. greater than 1%, than those results reported as "U" PQL/LOQ or "U" LOD.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SE2818 **SOW No.** SW846

Client Field ID	Lab Sample ID
SITE6-IDW-2117	SE2818-006T
SITE6-IDW-5526	SE2818-008T
SITE6-IDW-782	SE2818-010T
SITE6-IDW-954	SE2818-012T

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Heather Henningsen Name: Heather Henningsen

Date: 6-7-11 Title: Analyst #1

HHH 6-7-11

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-2117

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-006T

Concentration Units : ug/L

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	78.8		B	P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.4	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	9.2	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	28.2			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-5526

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-008T

Concentration Units : ug/L

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	105		B	P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.3	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	5.9	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	41.3			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-782

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-010T

Concentration Units : ug/L

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	90.5		B	P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.8	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	6.3	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	9.9	J		P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SITE6-IDW-954

Matrix: WATER **SDG Name:** SE2818

Percent Solids: 0.00 **Lab Sample ID:** SE2818-012T

Concentration Units : ug/L

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7440-38-2	ARSENIC, TOTAL	25	U		P	1	40	7.15	25
7440-39-3	BARIUM, TOTAL	97.6		B	P	1	25	1.15	15
7440-43-9	CADMIUM, TOTAL	2.8	J		P	1	50	0.25	15
7440-47-3	CHROMIUM, TOTAL	5.6	J		P	1	75	1.80	20
7439-92-1	LEAD, TOTAL	104			P	1	25	5.35	20
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.01	0.10
7782-49-2	SELENIUM, TOTAL	35	U		P	1	50	11.80	35
7440-22-4	SILVER, TOTAL	20	U		P	1	75	1.35	20

Bottle ID: B

Comments:

FORM I - IN

QC Summary Section

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICV

File: HBE25A May 25, 2011 11:22

Analyte	True	Found	%R (1)
MERCURY	6.0	5.84	97.3

SAMPLE: CCV

File: HBE25A May 25, 2011 11:47

Analyte	True	Found	%R (1)
MERCURY	5.0	5.40	108.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: HBE25A May 25, 2011 12:13

Analyte	True	Found	%R (1)
MERCURY	5.0	5.38	107.6

SAMPLE: CCV

File: HBE25A May 25, 2011 12:34

Analyte	True	Found	%R (1)
MERCURY	5.0	5.32	106.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICV

File: IBE24A May 24, 2011 14:54

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10140.00	101.4
ARSENIC	400.0	386.00	96.5
BARIUM	400.0	391.20	97.8
CADMIUM	400.0	395.40	98.8
CALCIUM	10000.0	10020.00	100.2
CHROMIUM	400.0	399.40	99.8
IRON	10000.0	10160.00	101.6
LEAD	400.0	398.10	99.5
MAGNESIUM	10000.0	10210.00	102.1
SELENIUM	400.0	386.70	96.7
SILVER	400.0	399.60	99.9

SAMPLE: CCV

File: IBE24A May 24, 2011 15:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12470.00	99.8
ARSENIC	500.0	496.10	99.2
BARIUM	500.0	498.90	99.8
CADMIUM	500.0	503.00	100.6
CALCIUM	12500.0	12490.00	99.9
CHROMIUM	500.0	503.00	100.6
IRON	12500.0	12540.00	100.3
LEAD	500.0	506.00	101.2
MAGNESIUM	12500.0	12630.00	101.0
SELENIUM	500.0	493.20	98.6
SILVER	500.0	502.30	100.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 16:12

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12540.00	100.3
ARSENIC	500.0	495.40	99.1
BARIUM	500.0	498.20	99.6
CADMIUM	500.0	502.90	100.6
CALCIUM	12500.0	12580.00	100.6
CHROMIUM	500.0	505.90	101.2
IRON	12500.0	12700.00	101.6
LEAD	500.0	510.00	102.0
MAGNESIUM	12500.0	12400.00	99.2
SELENIUM	500.0	494.60	98.9
SILVER	500.0	500.90	100.2

SAMPLE: CCV

File: IBE24A May 24, 2011 17:06

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12380.00	99.0
ARSENIC	500.0	495.90	99.2
BARIUM	500.0	490.50	98.1
CADMIUM	500.0	505.00	101.0
CALCIUM	12500.0	12770.00	102.2
CHROMIUM	500.0	508.90	101.8
IRON	12500.0	12670.00	101.4
LEAD	500.0	509.00	101.8
MAGNESIUM	12500.0	12500.00	100.0
SELENIUM	500.0	492.20	98.4
SILVER	500.0	503.00	100.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 18:00

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12590.00	100.7
ARSENIC	500.0	498.20	99.6
BARIUM	500.0	493.60	98.7
CADMIUM	500.0	515.30	103.1
CALCIUM	12500.0	13650.00	109.2
CHROMIUM	500.0	508.80	101.8
IRON	12500.0	12700.00	101.6
LEAD	500.0	498.30	99.7
MAGNESIUM	12500.0	13130.00	105.0
SELENIUM	500.0	490.90	98.2
SILVER	500.0	518.40	103.7

SAMPLE: CCV

File: IBE24A May 24, 2011 18:55

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12390.00	99.1
ARSENIC	500.0	497.40	99.5
BARIUM	500.0	486.70	97.3
CADMIUM	500.0	506.60	101.3
CALCIUM	12500.0	13040.00	104.3
CHROMIUM	500.0	513.50	102.7
IRON	12500.0	12730.00	101.8
LEAD	500.0	506.70	101.3
MAGNESIUM	12500.0	12460.00	99.7
SELENIUM	500.0	491.40	98.3
SILVER	500.0	506.50	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 19:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12340.00	98.7
ARSENIC	500.0	502.00	100.4
BARIUM	500.0	484.30	96.9
CADMIUM	500.0	510.60	102.1
CALCIUM	12500.0	13110.00	104.9
CHROMIUM	500.0	523.80	104.8
IRON	12500.0	12830.00	102.6
LEAD	500.0	516.20	103.2
MAGNESIUM	12500.0	12140.00	97.1
SELENIUM	500.0	500.50	100.1
SILVER	500.0	505.30	101.1

SAMPLE: CCV

File: IBE24A May 24, 2011 20:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
ARSENIC	500.0	506.50	101.3
BARIUM	500.0	490.10	98.0
CADMIUM	500.0	500.50	100.1
CALCIUM	12500.0	12310.00	98.5
CHROMIUM	500.0	520.80	104.2
IRON	12500.0	12950.00	103.6
LEAD	500.0	524.30	104.9
MAGNESIUM	12500.0	11640.00	93.1
SELENIUM	500.0	510.70	102.1
SILVER	500.0	505.10	101.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCV

File: IBE24A May 24, 2011 21:39

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12570.00	100.6
ARSENIC	500.0	507.30	101.5
BARIUM	500.0	487.50	97.5
CADMIUM	500.0	498.30	99.7
CALCIUM	12500.0	12180.00	97.4
CHROMIUM	500.0	527.50	105.5
IRON	12500.0	13050.00	104.4
LEAD	500.0	532.60	106.5
MAGNESIUM	12500.0	11340.00	90.7
SELENIUM	500.0	512.20	102.4
SILVER	500.0	500.40	100.1

SAMPLE: CCV

File: IBE24A May 24, 2011 22:34

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
ARSENIC	500.0	509.20	101.8
BARIUM	500.0	485.50	97.1
CADMIUM	500.0	495.40	99.1
CALCIUM	12500.0	11770.00	94.2
CHROMIUM	500.0	530.50	106.1
IRON	12500.0	13090.00	104.7
LEAD	500.0	536.20	107.2
MAGNESIUM	12500.0	11140.00	89.1•
SELENIUM	500.0	512.80	102.6
SILVER	500.0	500.40	100.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: PQL

File: HBE25A May 25, 2011 11:26

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.17	85.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: PQL

File: IBE24A May 24, 2011 15:03

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	315.70	105.2
ARSENIC	8.0	6.76	84.5
BARIUM	5.0	4.81	96.2
CADMIUM	5.0	4.94	98.8
CALCIUM	100.0	97.42	97.4
CHROMIUM	10.0	10.34	103.4
IRON	100.0	102.30	102.3
LEAD	5.0	4.87	97.4
MAGNESIUM	100.0	95.04	95.0
SELENIUM	10.0	9.67	96.7
SILVER	10.0	10.15	101.6

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICB

File: HBE25A May 25, 2011 11:24

Analyte	Result	C
MERCURY	-0.059	J

SAMPLE: CCB

File: HBE25A May 25, 2011 11:50

Analyte	Result	C
MERCURY	-0.044	J

SAMPLE: CCB

File: HBE25A May 25, 2011 12:15

Analyte	Result	C
MERCURY	-0.048	J

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: HBE25A May 25, 2011 12:36

Analyte	Result	C
MERCURY	-0.049	J

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICB

File: IBE24A May 24, 2011 14:59

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 15:22

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	-7.801	J
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 16:16

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	3.408	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: IBE24A May 24, 2011 17:10

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-13.320	J
CHROMIUM	0.670	U
IRON	4.160	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 18:05

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	6.274	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 18:59

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	5.465	J
LEAD	1.630	U
MAGNESIUM	5.539	J
SELENIUM	5.690	U
SILVER	0.540	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: IBE24A May 24, 2011 19:54

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-12.660	J
CHROMIUM	0.670	U
IRON	2.981	J
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 20:48

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-11.040	J
CHROMIUM	0.670	U
IRON	3.051	J
LEAD	1.630	U
MAGNESIUM	-11.740	J
SELENIUM	5.690	U
SILVER	0.540	U

SAMPLE: CCB

File: IBE24A May 24, 2011 21:43

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	10.100	U
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: CCB

File: IBE24A May 24, 2011 22:38

Analyte	Result	C
ALUMINUM	11.300	U
ARSENIC	2.550	U
BARIUM	0.270	U
CADMIUM	0.250	U
CALCIUM	-11.710	J
CHROMIUM	0.670	U
IRON	2.620	U
LEAD	1.630	U
MAGNESIUM	4.330	U
SELENIUM	5.690	U
SILVER	0.540	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBT1012A

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.039	J
ARSENIC	25	U
BARIUM	33.615	
CADMIUM	0.478	J
CHROMIUM	2.555	J
LEAD	20	U
SELENIUM	35	U
SILVER	20	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWBE24HGW0

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.062	J

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWBE24ICW1

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24ICW1

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	5.0	U
BARIUM	3.0	U
CADMIUM	3.0	U
CHROMIUM	0.415	J
LEAD	4.0	U
SELENIUM	7.0	U
SILVER	4.0	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Concentration Units: ug/L

SAMPLE: ICSA

File: IBE24A May 24, 2011 15:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511400	102.3
ARSENIC	0	-1	
BARIUM	0	2	
CADMIUM	0	0	
CALCIUM	500000	461800	92.4
CHROMIUM	3	3	
IRON	200000	184400	92.2
LEAD	0	3	
MAGNESIUM	500000	469200	93.8
SELENIUM	0	5	
SILVER	0	-1	

SAMPLE: ICSAB

File: IBE24A May 24, 2011 15:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502400	100.5
ARSENIC	100	99	99.0
BARIUM	500	453	90.6
CADMIUM	1000	914	91.4
CALCIUM	500000	450900	90.2
CHROMIUM	500	470	94.0
IRON	200000	181700	90.8
LEAD	50	50	100.0
MAGNESIUM	500000	470900	94.2
SELENIUM	50	51	102.0
SILVER	200	213	106.5

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWBE24HGW0

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.25	105.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWBE24ICW1

Matrix: WATER **SDG Name:** SE2818

QC Batch ID: BE24ICW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	102.40	102.4	80	120
BARIUM	2000.0	2057.00	102.8	80	120
CADMIUM	250.0	255.70	102.3	80	120
CHROMIUM	200.0	222.00	111.0	80	120
LEAD	100.0	107.60	107.6	80	120
SELENIUM	100.0	104.60	104.6	80	120
SILVER	50.0	51.62	103.2	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 1/7/2011

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 2/17/2011

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	11.30	P
ARSENIC	8.0	2.55	P
BARIUM	5.0	0.27	P
CADMIUM	10	0.25	P
CALCIUM	100	10.10	P
CHROMIUM	15	0.67	P
IRON	100	2.62	P
LEAD	5.0	1.63	P
MAGNESIUM	100	4.33	P
SELENIUM	10	5.69	P
SILVER	15	0.54	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 2/9/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
MERCURY	0.10	ug/L	CV	SW846 7470A / 7470

FORM X - IN

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/19/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
ARSENIC	5.00	ug/L	P	SW846 3010A / 6010/200.7
BARIUM	3.00	ug/L	P	SW846 3010A / 6010/200.7
CADMIUM	3.00	ug/L	P	SW846 3010A / 6010/200.7
CHROMIUM	4.00	ug/L	P	SW846 3010A / 6010/200.7
LEAD	4.00	ug/L	P	SW846 3010A / 6010/200.7
SELENIUM	7.00	ug/L	P	SW846 3010A / 6010/200.7
SILVER	4.00	ug/L	P	SW846 3010A / 6010/200.7

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 2/9/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
MERCURY	0.01	ug/L	CV	SW846 7470A / SW846 7470A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/19/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ARSENIC	1.43	ug/L	P	SW846 3010A / SW846 6010B
BARIUM	0.23	ug/L	P	SW846 3010A / SW846 6010B
CADMIUM	0.05	ug/L	P	SW846 3010A / SW846 6010B
CHROMIUM	0.36	ug/L	P	SW846 3010A / SW846 6010B
LEAD	1.07	ug/L	P	SW846 3010A / SW846 6010B
SELENIUM	2.36	ug/L	P	SW846 3010A / SW846 6010B
SILVER	0.27	ug/L	P	SW846 3010A / SW846 6010B

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 4/29/2011

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0002086	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0429115	0.0	0.0	0.0
ANTIMONY	206.88	0.0000122	0.0	0.0000328	0.0	-0.0001492	0.0127235	0.0	0.0	0.0	-0.0003049	-0.0005901	0.0	-0.0014750
ARSENIC	189.04	0.0000070	0.0	-0.0001627	0.0	0.0	0.0005362	0.0	0.0	0.0	0.0009188	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0005721	0.0001425
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0377834	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0003106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009160	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	-0.0000059	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000151	0.0	0.0	-0.0000930	0.0	0.0	0.0	0.0	0.0002140	0.0021732	0.0
COPPER	327.40	0.0	0.0	-0.0000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0001092
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001215	0.0	0.0000341	0.0	0.0	0.0	0.0000540	0.0000406	0.0	-0.0012070	0.0002080	-0.0000711	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.50	0.0	0.0	0.0001162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0003128	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000138	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000509	0.0	0.0	0.0	0.0000689	0.0	0.0	0.0027299	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000289	0.0	0.0000050	0.0	-0.0001745	0.0	-0.0001909	0.0	0.0002049	0.0	0.0	0.0	-0.0001715
SILICON	251.61	0.0	0.0	-0.0001166	0.0	0.0	0.0	0.0	0.0	0.0	0.0115903	0.0	0.0009942	0.0
SILVER	328.07	0.0	0.0	-0.0003802	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0002850	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000038	0.0	-0.0000002	0.0	0.0	0.0	0.0032040	0.0001434	-0.0010500	0.0000740	0.0	-0.0006398	0.0001102
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001287	0.0	0.0	0.0	0.0004768	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000149	0.0	0.0	-0.0013158	0.0	0.0	-0.0008201	-0.0081695	0.0	0.0003853	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011406	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 4/29/2011

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
ARSENIC	45.00	20000	P
BARIUM	5.00	20000	P
CADMIUM	45.00	20000	P
CALCIUM	5.00	1000000	P
CHROMIUM	10.00	20000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	1000000	P
SELENIUM	45.00	20000	P
SILVER	10.00	2000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** BE24HGW0

Matrix: WATER **SDG Name:** SE2818

Method: CV **Prep Date:** 05/24/2011

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWBE24HGW0	LCSWBE24HGW0	0.025	0.025
PBT1012A	PBT1012A	0.025	0.025
PBWBE24HGW0	PBWBE24HGW0	0.025	0.025
SITE6-IDW-2117	SE2818-006T	0.025	0.025
SITE6-IDW-5526	SE2818-008T	0.025	0.025
SITE6-IDW-782	SE2818-010T	0.025	0.025
SITE6-IDW-954	SE2818-012T	0.025	0.025

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** BE24ICW1

Matrix: WATER **SDG Name:** SE2818

Method: P **Prep Date:** 05/24/2011

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWBE24ICW1	LCSWBE24ICW1	0.05	0.05
PBT1012A	PBT1012A	0.01	0.05
PBWBE24ICW1	PBWBE24ICW1	0.05	0.05
SITE6-IDW-2117	SE2818-006T	0.01	0.05
SITE6-IDW-5526	SE2818-008T	0.01	0.05
SITE6-IDW-782	SE2818-010T	0.01	0.05
SITE6-IDW-954	SE2818-012T	0.01	0.05

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: CETAC M6100 **File Name:** HBE25A

Date: 5/25/2011 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	11:09	Hg
Standard #1 (0.2 p		1	11:11	Hg
Standard #2 (0.5 p		1	11:14	Hg
Standard #3 (1.0 p		1	11:16	Hg
Standard #4 (5.0 p		1	11:18	Hg
Standard #5 (10.0		1	11:20	Hg
ICV		1	11:22	HG
ICB		1	11:24	HG
PQL		1	11:26	HG
LCSWBE24HGW0		1	11:28	HG
PBWBE24HGW0		1	11:30	HG
PBT1012A		1	11:33	HG
ZZZZZZ		1	11:35	
ZZZZZZ		1	11:37	
ZZZZZZ		1	11:39	
ZZZZZZ		1	11:41	
ZZZZZZ		5	11:43	
ZZZZZZ		1	11:45	
CCV		1	11:47	HG
CCB		1	11:50	HG
ZZZZZZ		1	11:52	
ZZZZZZ		1	11:54	
ZZZZZZ		1	11:56	
ZZZZZZ		1	11:58	
ZZZZZZ		1	12:00	
ZZZZZZ		1	12:02	
ZZZZZZ		1	12:04	
ZZZZZZ		1	12:07	
ZZZZZZ		1	12:09	
SE2818-006T	SITE6-IDW-2117T	1	12:11	HG
CCV		1	12:13	HG
CCB		1	12:15	HG
SE2818-008T	SITE6-IDW-5526T	1	12:17	HG
SE2818-010T	SITE6-IDW-782T	1	12:19	HG
SE2818-012T	SITE6-IDW-954T	1	12:21	HG
ZZZZZZ		1	12:24	
ZZZZZZ		1	12:26	
ZZZZZZ		1	12:28	
ZZZZZZ		1	12:30	
ZZZZZZ		1	12:32	
CCV		1	12:34	HG
CCB		1	12:36	HG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
Blank		1	14:45	AL	AS BA	CD CA CR	FE PB MG		SE	AG
Std 1		1	14:50	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ICV		1	14:54	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ICB		1	14:59	AL	AS BA	CD CA CR	FE PB MG		SE	AG
PQL		1	15:03	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ICSA		1	15:08	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ICSAB		1	15:13	AL	AS BA	CD CA CR	FE PB MG		SE	AG
CCV		1	15:17	AL	AS BA	CD CA CR	FE PB MG		SE	AG
CCB		1	15:22	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ZZZZZZ		10	15:26							
ZZZZZZ		25	15:31							
ZZZZZZ		1	15:35							
ZZZZZZ		1	15:40							
ZZZZZZ		1	15:44							
ZZZZZZ		1	15:49							
ZZZZZZ		1	15:54							
ZZZZZZ		1	15:58							
ZZZZZZ		1	16:03							
ZZZZZZ		1	16:07							
CCV		1	16:12	AL	AS BA	CD CA CR	FE PB MG		SE	AG
CCB		1	16:16	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ZZZZZZ		1	16:21							
ZZZZZZ		1	16:25							
ZZZZZZ		1	16:30							
ZZZZZZ		1	16:34							
ZZZZZZ		1	16:39							
ZZZZZZ		1	16:43							
ZZZZZZ		1	16:48							
ZZZZZZ		1	16:52							
ZZZZZZ		1	16:57							
ZZZZZZ		1	17:01							
CCV		1	17:06	AL	AS BA	CD CA CR	FE PB MG		SE	AG
CCB		1	17:10	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ZZZZZZ		5	17:15							
ZZZZZZ		1	17:19							
ZZZZZZ		1	17:24							
ZZZZZZ		1	17:28							
ZZZZZZ		1	17:33							
ZZZZZZ		1	17:37							
ZZZZZZ		1	17:42							
ZZZZZZ		1	17:47							
ZZZZZZ		1	17:51							
ZZZZZZ		1	17:56							
CCV		1	18:00	AL	AS BA	CD CA CR	FE PB MG		SE	AG
CCB		1	18:05	AL	AS BA	CD CA CR	FE PB MG		SE	AG
ZZZZZZ		1	18:09							
ZZZZZZ		1	18:14							
ZZZZZZ		1	18:18							
ZZZZZZ		1	18:23							
ZZZZZZ		1	18:27							

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		5	18:32									
ZZZZZZ		1	18:37									
ZZZZZZ		1	18:41									
ZZZZZZ		1	18:46									
ZZZZZZ		1	18:50									
CCV		1	18:55	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
CCB		1	18:59	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
ZZZZZZ		1	19:04									
ZZZZZZ		1	19:08									
ZZZZZZ		1	19:13									
ZZZZZZ		1	19:17									
ZZZZZZ		1	19:22									
ZZZZZZ		1	19:26									
ZZZZZZ		1	19:31									
ZZZZZZ		1	19:36									
ZZZZZZ		1	19:40									
ZZZZZZ		1	19:45									
CCV		1	19:49	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
CCB		1	19:54	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
ZZZZZZ		5	19:58									
ZZZZZZ		1	20:03									
ZZZZZZ		1	20:07									
ZZZZZZ		1	20:12									
ZZZZZZ		1	20:16									
ZZZZZZ		1	20:21									
ZZZZZZ		1	20:25									
ZZZZZZ		1	20:30									
ZZZZZZ		1	20:35									
ZZZZZZ		1	20:39									
CCV		1	20:44	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
CCB		1	20:48	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
ZZZZZZ		1	20:53									
ZZZZZZ		1	20:57									
ZZZZZZ		1	21:02									
ZZZZZZ		1	21:06									
ZZZZZZ		50	21:11									
ZZZZZZ		50	21:16									
PBWBE24ICW1		1	21:20		AS	BA	CD		CR		PB		SE	AG
LCSWBE24ICW1		1	21:25		AS	BA	CD		CR		PB		SE	AG
PBT1012A		1	21:29		AS	BA	CD		CR		PB		SE	AG
ZZZZZZ		1	21:34									
CCV		1	21:39	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
CCB		1	21:43	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
SE2818-006T	SITE6-IDW-2117T	1	21:48		AS	BA	CD		CR		PB		SE	AG
SE2818-008T	SITE6-IDW-5526T	1	21:52		AS	BA	CD		CR		PB		SE	AG
SE2818-010T	SITE6-IDW-782T	1	21:57		AS	BA	CD		CR		PB		SE	AG
SE2818-012T	SITE6-IDW-954T	1	22:02		AS	BA	CD		CR		PB		SE	AG
ZZZZZZ		1	22:06									
ZZZZZZ		1	22:11									
ZZZZZZ		1	22:16									
ZZZZZZ		1	22:20									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SE2818

Instrument ID: THERMO ICAP 6500 **File Name:** IBE24A

Date: 5/24/2011 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		1	22:25								
ZZZZZZ		1	22:29								
CCV		1	22:34	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG
CCB		1	22:38	AL	AS	BA	CD	CA	CR	FE	PB	MG	SE	AG

FORM XIV - IN

Raw Data Section

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Cetac M6100 (H) **ANALYST:** HHH **DATE:** 5-25-11

FILE NAME: HBE25A **METHOD: CVAA**

245.__

7470

CLP

Other (List): _____

REVIEWED

5-26-11

KATAHDIN ANALYTICAL METALS SECTION

Analyte : Mercury

SnCL2: MR1033

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
CalBlank/ICB/CCB	N/A	5-24-11	5-29-11	0.00 ug/L
Standard #1 / PQL				0.20 ug/L
Standard #2				0.50 ug/L
Standard #3				1.00 ug/L
Standard #4 / CCV				5.00 ug/L
Standard #5				10.00 ug/L
ICV			6-10-11	6.00 ug/L
	HHH 5-25-11			

Additional Comments and Notes:

5-25-11

HHH

INSTRUMENT RUNLOG

Instrument: CETAC M6100

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Calibration Blank	1.0000	HBE25A	5/25/2011	11:09	HHH
Standard #1 (0.2 ppb)	1.0000	HBE25A	5/25/2011	11:11	HHH
Standard #2 (0.5 ppb)	1.0000	HBE25A	5/25/2011	11:14	HHH
Standard #3 (1.0 ppb)	1.0000	HBE25A	5/25/2011	11:16	HHH
Standard #4 (5.0 ppb)	1.0000	HBE25A	5/25/2011	11:18	HHH
Standard #5 (10.0 ppb)	1.0000	HBE25A	5/25/2011	11:20	HHH
ICV	1.0000	HBE25A	5/25/2011	11:22	HHH
ICB	1.0000	HBE25A	5/25/2011	11:24	HHH
PQL	1.0000	HBE25A	5/25/2011	11:26	HHH
LCSWBE24HGW0	1.0000	HBE25A	5/25/2011	11:28	HHH
PBWBE24HGW0	1.0000	HBE25A	5/25/2011	11:30	HHH
PBT1012A	1.0000	HBE25A	5/25/2011	11:33	HHH
SE2522-001	1.0000	HBE25A	5/25/2011	11:35	HHH
SE2624-001	1.0000	HBE25A	5/25/2011	11:37	HHH
SE2624-002	1.0000	HBE25A	5/25/2011	11:39	HHH
SE2624-003	1.0000	HBE25A	5/25/2011	11:41	HHH
SE2624-003L	5.0000	HBE25A	5/25/2011	11:43	HHH
SE2624-003D	1.0000	HBE25A	5/25/2011	11:45	HHH
CCV	1.0000	HBE25A	5/25/2011	11:47	HHH
CCB	1.0000	HBE25A	5/25/2011	11:50	HHH
SE2624-006S	1.0000	HBE25A	5/25/2011	11:52	HHH
SE2660-001	1.0000	HBE25A	5/25/2011	11:54	HHH
SE2660-002	1.0000	HBE25A	5/25/2011	11:56	HHH
SE2691-001	1.0000	HBE25A	5/25/2011	11:58	HHH
SE2782-001	1.0000	HBE25A	5/25/2011	12:00	HHH
SE2782-002	1.0000	HBE25A	5/25/2011	12:02	HHH
SE2782-003	1.0000	HBE25A	5/25/2011	12:04	HHH
SE2782-004	1.0000	HBE25A	5/25/2011	12:07	HHH
SE2794-001T	1.0000	HBE25A	5/25/2011	12:09	HHH
SE2818-006T	1.0000	HBE25A	5/25/2011	12:11	HHH
CCV	1.0000	HBE25A	5/25/2011	12:13	HHH
CCB	1.0000	HBE25A	5/25/2011	12:15	HHH
SE2818-008T	1.0000	HBE25A	5/25/2011	12:17	HHH
SE2818-010T	1.0000	HBE25A	5/25/2011	12:19	HHH
SE2818-012T	1.0000	HBE25A	5/25/2011	12:21	HHH
SE2826-001T	1.0000	HBE25A	5/25/2011	12:24	HHH
SE2849-006	1.0000	HBE25A	5/25/2011	12:26	HHH
SE2849-007	1.0000	HBE25A	5/25/2011	12:28	HHH
SE2819-001	1.0000	HBE25A	5/25/2011	12:30	HHH
SE2819-001S	1.0000	HBE25A	5/25/2011	12:32	HHH
CCV	1.0000	HBE25A	5/25/2011	12:34	HHH
CCB	1.0000	HBE25A	5/25/2011	12:36	HHH

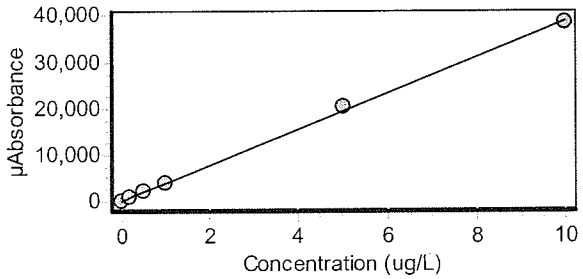
Report Generated By CETAC QuickTrace
Analyst: metals
Worksheet file: C:\Program Files\QuickTrace\Worksheets\HBE25A.wsz
Date Started: 5/25/2011 11:06:20 AM
Comment:

Results

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
Calibration Blank					STD	05/25/11 11:09:52 am	0.000	21	44.98		1.00
Replicates	35.2	14.8	15.3	19.9							
Standard #1 (0.2 ppb)					STD	05/25/11 11:11:57 am	0.200	840	0.68		1.00
Replicates	838.1	843.3	833.1	845.9							
Standard #2 (0.5 ppb)					STD	05/25/11 11:14:04 am	0.500	2062	2.01		1.00
Replicates	2122.6	2049.4	2048.9	2027.9							
Standard #3 (1.0 ppb)					STD	05/25/11 11:16:10 am	1.000	4044	0.58		1.00
Replicates	4024.4	4072.0	4024.0	4053.7							
Standard #4 (5.0 ppb)					STD	05/25/11 11:18:18 am	5.000	20450	0.48		1.00
Replicates	20548.9	20501.6	20420.3	20327.5							
Standard #5 (10.0 ppb)					STD	05/25/11 11:20:26 am	10.000	38410	0.09		1.00
Replicates	38424.1	38450.9	38398.2	38366.7							

Calibration

Equation: A = 216.555 + 3863.913C
R2: 0.99908
SEE: 524.9380
Flags:



ICV					ICV	05/25/11 11:22:34 am	5.839	22777	0.33		1.00
Replicates	22875.8	22789.2	22750.2	22694.3							
% Recovery	97.31										
ICB					ICB	05/25/11 11:24:39 am	-0.059	-11	134.59		1.00
Replicates	1.6	-0.8	-31.8	-14.6							

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
PQL					CRDL	05/25/11 11:26:45 am	0.171	878	3.58		1.00
Replicates	856.1	850.5	918.4	888.5							
% Recovery	85.65										
LCSWBE24HGW0					LCS	05/25/11 11:28:51 am	5.246	20488	0.25		1.00
Replicates	20564.3	20458.9	20471.2	20456.7							
% Recovery	104.93										
PBWBE24HGW0					PBK	05/25/11 11:30:58 am	-0.062	-24	137.67		1.00
Replicates	-44.0	-3.6	-61.1	10.9							
PBT1012A					UNK	05/25/11 11:33:05 am	-0.039	66	40.11		1.00
Replicates	78.6	82.9	26.6	76.9							
SE2522-001					UNK	05/25/11 11:35:12 am	-0.043	51	22.68		1.00
Replicates	58.6	46.7	37.0	62.5							
SE2624-001					UNK	05/25/11 11:37:20 am	-0.038	69	38.56		1.00
Replicates	83.0	30.7	72.2	90.2							
SE2624-002					UNK	05/25/11 11:39:27 am	-0.042	52	29.48		1.00
Replicates	70.8	35.4	45.1	58.2							
SE2624-003					UNK	05/25/11 11:41:34 am	-0.054	6	458.95		1.00
Replicates	-32.4	1.9	20.9	34.9							
SE2624-003L					UNK	05/25/11 11:43:41 am	-0.233	37	19.95		5.00
Replicates	26.6	43.5	36.3	40.1							
SE2624-003DP					UNK	05/25/11 11:45:49 am	0.972	3973	0.65		1.00
Replicates	3989.0	3942.1	3963.4	3999.3							
CCV					CCV	05/25/11 11:47:56 am	5.398	21074	1.63		1.00
Replicates	20711.3	21514.4	21148.6	20921.4							
% Recovery	107.96										
CCB					CCB	05/25/11 11:50:02 am	-0.044	46	37.92		1.00
Replicates	44.7	53.6	63.0	22.3							

Katahdin Analytical Services 4000049

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
SE2624-003S					UNK	05/25/11 11:52:10 am	0.968	3958	0.45		1.00
Replicates	3969.0	3976.2	3937.8	3947.3							
SE2660-001					UNK	05/25/11 11:54:17 am	-0.043	50	24.52		1.00
Replicates	58.1	43.6	61.3	35.5							
SE2660-002					UNK	05/25/11 11:56:24 am	-0.043	52	24.79		1.00
Replicates	34.6	64.7	56.7	50.2							
SE2691-001					UNK	05/25/11 11:58:32 am	-0.038	69	35.64		1.00
Replicates	55.6	41.2	94.4	83.0							
SE2782-001					UNK	05/25/11 12:00:40 pm	-0.050	23	128.18		1.00
Replicates	43.8	35.6	35.3	-21.2							
SE2782-002					UNK	05/25/11 12:02:48 pm	-0.044	48	63.02		1.00
Replicates	49.4	9.3	50.1	83.3							
SE2782-003					UNK	05/25/11 12:04:55 pm	-0.043	51	38.21		1.00
Replicates	76.9	31.6	41.8	53.6							
SE2782-004					UNK	05/25/11 12:07:03 pm	-0.046	40	23.37		1.00
Replicates	32.9	49.8	30.7	44.7							
SE2794-001T					UNK	05/25/11 12:09:11 pm	-0.033	88	10.85		1.00
Replicates	90.2	77.6	83.5	99.8							
SE2818-006T					UNK	05/25/11 12:11:19 pm	-0.016	156	17.93		1.00
Replicates	138.0	196.4	136.6	152.9							
CCV					CCV	05/25/11 12:13:27 pm	5.380	21006	0.09		1.00
Replicates	21020.9	21017.2	21004.9	20979.4							
% Recovery	107.61										
CCB					CCB	05/25/11 12:15:32 pm	-0.048	30	50.48		1.00
Replicates	14.0	27.8	28.3	50.8							

Katahdin Analytical Services 4000050

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
SE2818-008T				UNK	05/25/11 12:17:41 pm	-0.029	103	13.78		1.00
Replicates	86.8	110.0	96.5	118.8						
SE2818-010T				UNK	05/25/11 12:19:49 pm	-0.039	68	39.46		1.00
Replicates	29.1	86.1	84.8	70.0						
SE2818-012T				UNK	05/25/11 12:21:57 pm	-0.033	91	12.91		1.00
Replicates	98.0	80.7	103.7	81.2						
SE2826-001T				UNK	05/25/11 12:24:05 pm	-0.035	81	21.16		1.00
Replicates	77.3	59.8	101.0	84.3						
SE2849-006				UNK	05/25/11 12:26:14 pm	-0.031	97	18.67		1.00
Replicates	89.5	102.5	118.1	76.0						
SE2849-007				UNK	05/25/11 12:28:23 pm	-0.042	54	38.69		1.00
Replicates	24.8	74.6	58.1	60.1						
SE2819-001				UNK	05/25/11 12:30:31 pm	-0.054	9	345.14		1.00
Replicates	50.3	-1.0	-18.2	3.0						
SE2819-001S				UNK	05/25/11 12:32:39 pm	0.575	2437	1.53		1.00
Replicates	2473.7	2464.2	2414.2	2397.5						
CCV				CCV	05/25/11 12:34:47 pm	5.317	20763	0.36		1.00
Replicates	20849.6	20765.8	20767.7	20668.3						
% Recovery	106.35									
CCB				CCB	05/25/11 12:36:52 pm	-0.049	27	51.63		1.00
Replicates	23.0	9.3	41.2	33.7						

Katahdin Analytical Services 4000051

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: I - Thermo iCAP 6500 **ANALYST:** EAm **ANALYSIS DATE:** 05-24-11

FILE NAME: IBE24A

REVIEWED
EAm 05-25-11
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Blank / ICB / CCB	MW13033	04-27-11	04-27-12	0 ug/L
Std 1	MW13062	05-18-11	08-18-11	varies by element
ICV	MW13068	05-23-11	06-01-11	↓
PQL	MW13058	05-13-11	06-28-11	↓
ICSA	MW13046	05-09-11	08-09-11	↓
ICSAB	MW13031	04-26-11	06-01-11	↓
CCV	MW13065	05-20-11	08-18-11	↓
Internal Std	MW13064	05-19-11	08-19-11	Y 5mg/L
	EAm 05-25-11			

Additional Comments and Notes:

- Includes IDL study

EAm
05-25-11

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IBE24A	5/24/2011	14:45	EAM
Std 1	1.000	IBE24A	5/24/2011	14:50	EAM
ICV	1.000	IBE24A	5/24/2011	14:54	EAM
ICB	1.000	IBE24A	5/24/2011	14:59	EAM
PQL	1.000	IBE24A	5/24/2011	15:03	EAM
ICSA	1.000	IBE24A	5/24/2011	15:08	EAM
ICSAB	1.000	IBE24A	5/24/2011	15:13	EAM
CCV	1.000	IBE24A	5/24/2011	15:17	EAM
CCB	1.000	IBE24A	5/24/2011	15:22	EAM
SE2698-001T	10.00	IBE24A	5/24/2011	15:26	EAM
SE2698-001T	25.00	IBE24A	5/24/2011	15:31	EAM
PBWBE23ICW1	1.000	IBE24A	5/24/2011	15:35	EAM
LCSWBE23ICW1	1.000	IBE24A	5/24/2011	15:40	EAM
SE2646-006R	1.000	IBE24A	5/24/2011	15:44	EAM
SE2646-007R	1.000	IBE24A	5/24/2011	15:49	EAM
SE2646-008R	1.000	IBE24A	5/24/2011	15:54	EAM
SE2841-021	1.000	IBE24A	5/24/2011	15:58	EAM
SE2841-022	1.000	IBE24A	5/24/2011	16:03	EAM
PBSBE23ICS0	1.000	IBE24A	5/24/2011	16:07	EAM
CCV	1.000	IBE24A	5/24/2011	16:12	EAM
CCB	1.000	IBE24A	5/24/2011	16:16	EAM
LCSOBE23ICS0	1.000	IBE24A	5/24/2011	16:21	EAM
SE2841-001	1.000	IBE24A	5/24/2011	16:25	EAM
SE2841-002	1.000	IBE24A	5/24/2011	16:30	EAM
SE2841-003	1.000	IBE24A	5/24/2011	16:34	EAM
SE2841-004	1.000	IBE24A	5/24/2011	16:39	EAM
SE2841-005	1.000	IBE24A	5/24/2011	16:43	EAM
SE2841-006	1.000	IBE24A	5/24/2011	16:48	EAM
SE2841-007	1.000	IBE24A	5/24/2011	16:52	EAM
SE2841-008	1.000	IBE24A	5/24/2011	16:57	EAM
SE2841-009	1.000	IBE24A	5/24/2011	17:01	EAM
CCV	1.000	IBE24A	5/24/2011	17:06	EAM
CCB	1.000	IBE24A	5/24/2011	17:10	EAM
SE2841-009L	5.000	IBE24A	5/24/2011	17:15	EAM
SE2841-009A	1.000	IBE24A	5/24/2011	17:19	EAM
SE2841-009D	1.000	IBE24A	5/24/2011	17:24	EAM
SE2841-009S	1.000	IBE24A	5/24/2011	17:28	EAM
SE2841-010	1.000	IBE24A	5/24/2011	17:33	EAM
SE2841-011	1.000	IBE24A	5/24/2011	17:37	EAM
SE2841-012	1.000	IBE24A	5/24/2011	17:42	EAM
SE2841-013	1.000	IBE24A	5/24/2011	17:47	EAM
SE2841-014	1.000	IBE24A	5/24/2011	17:51	EAM
SE2841-015	1.000	IBE24A	5/24/2011	17:56	EAM
CCV	1.000	IBE24A	5/24/2011	18:00	EAM

Katahdin Analytical Services 4000053

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCB	1.000	IBE24A	5/24/2011	18:05	EAM
SE2841-016	1.000	IBE24A	5/24/2011	18:09	EAM
SE2841-017	1.000	IBE24A	5/24/2011	18:14	EAM
SE2841-018	1.000	IBE24A	5/24/2011	18:18	EAM
SE2841-019	1.000	IBE24A	5/24/2011	18:23	EAM
SE2841-020	1.000	IBE24A	5/24/2011	18:27	EAM
SE2841-012	5.000	IBE24A	5/24/2011	18:32	EAM
PBWBE23ICW0	1.000	IBE24A	5/24/2011	18:37	EAM
LCSWBE23ICW0	1.000	IBE24A	5/24/2011	18:41	EAM
SE2707-001R	1.000	IBE24A	5/24/2011	18:46	EAM
SE2707-002R	1.000	IBE24A	5/24/2011	18:50	EAM
CCV	1.000	IBE24A	5/24/2011	18:55	EAM
CCB	1.000	IBE24A	5/24/2011	18:59	EAM
SE2707-003R	1.000	IBE24A	5/24/2011	19:04	EAM
SE2707-004R	1.000	IBE24A	5/24/2011	19:08	EAM
SE2707-005R	1.000	IBE24A	5/24/2011	19:13	EAM
SE2707-006R	1.000	IBE24A	5/24/2011	19:17	EAM
SE2707-007R	1.000	IBE24A	5/24/2011	19:22	EAM
SE2707-009R	1.000	IBE24A	5/24/2011	19:26	EAM
SE2707-010R	1.000	IBE24A	5/24/2011	19:31	EAM
SE2707-011R	1.000	IBE24A	5/24/2011	19:36	EAM
SE2707-012R	1.000	IBE24A	5/24/2011	19:40	EAM
SE2707-013R	1.000	IBE24A	5/24/2011	19:45	EAM
CCV	1.000	IBE24A	5/24/2011	19:49	EAM
CCB	1.000	IBE24A	5/24/2011	19:54	EAM
SE2707-013RL	5.000	IBE24A	5/24/2011	19:58	EAM
SE2707-013RS	1.000	IBE24A	5/24/2011	20:03	EAM
SE2707-013RP	1.000	IBE24A	5/24/2011	20:07	EAM
SE2737-001R	1.000	IBE24A	5/24/2011	20:12	EAM
SE2738-001R	1.000	IBE24A	5/24/2011	20:16	EAM
SE2738-004R	1.000	IBE24A	5/24/2011	20:21	EAM
SE2770-001R	1.000	IBE24A	5/24/2011	20:25	EAM
SE2770-008R	1.000	IBE24A	5/24/2011	20:30	EAM
SE2798-001R	1.000	IBE24A	5/24/2011	20:35	EAM
SE2798-003R	1.000	IBE24A	5/24/2011	20:39	EAM
CCV	1.000	IBE24A	5/24/2011	20:44	EAM
CCB	1.000	IBE24A	5/24/2011	20:48	EAM
SE2832-001	1.000	IBE24A	5/24/2011	20:53	EAM
PBWBE24ICW2	1.000	IBE24A	5/24/2011	20:57	EAM
LCSWBE24ICW2	1.000	IBE24A	5/24/2011	21:02	EAM
LC2WBE24ICW2	1.000	IBE24A	5/24/2011	21:06	EAM
SE2756-001	50.00	IBE24A	5/24/2011	21:11	EAM
SE2756-001D	50.00	IBE24A	5/24/2011	21:16	EAM
PBWBE24ICW1	1.000	IBE24A	5/24/2011	21:20	EAM
LCSWBE24ICW1	1.000	IBE24A	5/24/2011	21:25	EAM
PBT1012A	1.000	IBE24A	5/24/2011	21:29	EAM
SE2794-001T	1.000	IBE24A	5/24/2011	21:34	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCV	1.000	IBE24A	5/24/2011	21:39	EAM
CCB	1.000	IBE24A	5/24/2011	21:43	EAM
SE2818-006T	1.000	IBE24A	5/24/2011	21:48	EAM
SE2818-008T	1.000	IBE24A	5/24/2011	21:52	EAM
SE2818-010T	1.000	IBE24A	5/24/2011	21:57	EAM
SE2818-012T	1.000	IBE24A	5/24/2011	22:02	EAM
SE2836-001T	1.000	IBE24A	5/24/2011	22:06	EAM
SE2582-014R	1.000	IBE24A	5/24/2011	22:11	EAM
SE2518-001R	1.000	IBE24A	5/24/2011	22:16	EAM
SE2518-002R	1.000	IBE24A	5/24/2011	22:20	EAM
SE2518-005R	1.000	IBE24A	5/24/2011	22:25	EAM
SE2518-006R	1.000	IBE24A	5/24/2011	22:29	EAM
CCV	1.000	IBE24A	5/24/2011	22:34	EAM
CCB	1.000	IBE24A	5/24/2011	22:38	EAM
SE2518-007R	1.000	IBE24A	5/24/2011	22:43	EAM
SE2518-008R	1.000	IBE24A	5/24/2011	22:47	EAM
SE2518-009R	1.000	IBE24A	5/24/2011	22:52	EAM
SE2518-010R	1.000	IBE24A	5/24/2011	22:57	EAM
SE2518-011R	1.000	IBE24A	5/24/2011	23:01	EAM
SE2518-012R	1.000	IBE24A	5/24/2011	23:06	EAM
SE2518-012RL	5.000	IBE24A	5/24/2011	23:10	EAM
SE2518-012RS	1.000	IBE24A	5/24/2011	23:15	EAM
SE2518-012RP	1.000	IBE24A	5/24/2011	23:19	EAM
IDL01	1.000	IBE24A	5/24/2011	23:24	EAM
CCV	1.000	IBE24A	5/24/2011	23:28	EAM
CCB	1.000	IBE24A	5/24/2011	23:33	EAM
IDL02	1.000	IBE24A	5/24/2011	23:37	EAM
IDL03	1.000	IBE24A	5/24/2011	23:42	EAM
IDL04	1.000	IBE24A	5/24/2011	23:47	EAM
IDL05	1.000	IBE24A	5/24/2011	23:51	EAM
IDL06	1.000	IBE24A	5/24/2011	23:56	EAM
IDL07	1.000	IBE24A	5/25/2011	0:00	EAM
CCV	1.000	IBE24A	5/25/2011	0:05	EAM
CCB	1.000	IBE24A	5/25/2011	0:09	EAM
PQL	1.000	IBE24A	5/25/2011	0:14	EAM
ICSA	1.000	IBE24A	5/25/2011	0:18	EAM
ICSAB	1.000	IBE24A	5/25/2011	0:23	EAM
CCV	1.000	IBE24A	5/25/2011	0:28	EAM
CCB	1.000	IBE24A	5/25/2011	0:32	EAM

Intensity Report

Report Author:

Published: 25/05/2011 08:05:19

Notes:

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Method Name: K6010-2010+Pd Method Revision: 164

Analyst Name: EAM

Acquire Date: 24/05/2011 14:45:58 Sample Type: Standard

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0000	Cts/S	0.0000	54.6909	-9.56
Al3961_R	-.0005	Cts/S	0.0001	14.5249	-13.37
As1891_A	-.0001	Cts/S	0.0000	2.7808	-0.72
Au2427_A	-.0003	Cts/S	0.0001	20.2057	-1.86
B_2089_A	.0002	Cts/S	0.0000	17.8272	1.03
Ba4554_R	.0018	Cts/S	0.0001	4.1499	44.10
Be3130_R	.0000	Cts/S	0.0001	283.3136	-0.88
Ca3158_R	-.0008	Cts/S	0.0002	25.3656	-18.72
Cd2265_A	-.0001	Cts/S	0.0001	51.1855	-0.60
Co2286_A	.0004	Cts/S	0.0001	19.9910	2.42
Cr2677_A	.0000	Cts/S	0.0000	178.7967	0.19
Cu3273_A	.0001	Cts/S	0.0000	30.2331	10.75
Fe2599_R	.0001	Cts/S	0.0001	96.7918	2.02
K_7664_R	.0004	Cts/S	0.0000	8.7913	10.28
Li6707_R	.0016	Cts/S	0.0001	8.2951	40.83
Mg2025_A	-.0004	Cts/S	0.0000	2.9046	-2.56
Mn2576_R	-.0001	Cts/S	0.0001	106.9251	-2.65
Mo2020_A	-.0001	Cts/S	0.0000	26.2782	-0.36
Na5895_R	.0097	Cts/S	0.0005	4.9926	241.97
Ni2316_A	.0000	Cts/S	0.0001	20,343.7122	0.00
Pb2203_A	-.0002	Cts/S	0.0000	12.4105	-1.12
Sb2068_A	.0001	Cts/S	0.0000	73.9924	0.34
Se1960_A	.0002	Cts/S	0.0000	26.3549	1.02
Si2516_R	.0004	Cts/S	0.0001	16.4041	9.01
Sn1899_A	.0002	Cts/S	0.0000	3.5807	1.09
Sr4215_R	-.0006	Cts/S	0.0001	14.6080	-14.94
Ti3349_A	-.0001	Cts/S	0.0000	65.8533	-12.55
Tl1908_A	-.0001	Cts/S	0.0000	32.7992	-0.59
V_2924_A	.0000	Cts/S	0.0000	169.8099	1.83
Zn2062_A	.0001	Cts/S	0.0000	10.0934	0.46
Pd3404	.0000	Cts/S	0.0000	0.5469	-10.12
Y_3600_R	24970.	Cts/S	69.3830	0.2779	24,969.53
Y_2243_A	6123.9	Cts/S	10.1946	0.1665	6,123.87
Y_3600_A	203540.	Cts/S	142.7762	0.0701	203,542.60

Std 1

Method Name: K6010-2010+Pd Method Revision: 164

Analyst Name: EAM

Acquire Date: 24/05/2011 14:50:32 Sample Type: Standard

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0997	Cts/S	0.0004	0.4095	19,633.39
Al3961_R	1.035	Cts/S	0.0084	0.8136	25,801.78
As1891_A	.0609	Cts/S	0.0001	0.2256	360.06
Au2427_A	.4805	Cts/S	0.0020	0.4100	2,841.35
B_2089_A	.1790	Cts/S	0.0003	0.1814	1,058.50
Ba4554_R	3.226	Cts/S	0.0115	0.3571	80,403.81
Be3130_R	5.839	Cts/S	0.0267	0.4579	145,540.03
Ca3158_R	.6158	Cts/S	0.0035	0.5764	15,349.29
Cd2265_A	1.775	Cts/S	0.0003	0.0145	10,492.79
Co2286_A	.5040	Cts/S	0.0011	0.2093	2,980.29
Cr2677_A	.0514	Cts/S	0.0002	0.3860	10,123.58
Cu3273_A	.0636	Cts/S	0.0001	0.1173	12,527.53

Std 1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 14:50:32
Sample Type: Standard

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Fe2599_R	2.140	Cts/S	0.0105	0.4918	53,333.13
K_7664_R	.8796	Cts/S	0.0022	0.2455	21,922.68
Li6707_R	.7198	Cts/S	0.0006	0.0865	17,939.86
Mg2025_A	.3029	Cts/S	0.0008	0.2479	1,791.26
Mn2576_R	.3862	Cts/S	0.0003	0.0739	9,625.84
Mo2020_A	.3576	Cts/S	0.0011	0.3030	2,114.63
Na5895_R	2.583	Cts/S	0.0037	0.1422	64,383.30
Ni2316_A	.2862	Cts/S	0.0006	0.1935	1,692.45
Pb2203_A	.1300	Cts/S	0.0000	0.0246	768.42
Sb2068_A	.0690	Cts/S	0.0001	0.1729	407.93
Se1960_A	.0360	Cts/S	0.0000	0.1342	212.68
Si2516_R	.4871	Cts/S	0.0038	0.7724	12,140.38
Sn1899_A	.0277	Cts/S	0.0001	0.1874	163.96
Sr4215_R	4.045	Cts/S	0.0148	0.3651	100,830.82
Ti3349_A	.1386	Cts/S	0.0008	0.5812	27,293.96
Tl1908_A	.0808	Cts/S	0.0001	0.1284	477.82
V_2924_A	.0647	Cts/S	0.0001	0.2191	12,736.28
Zn2062_A	.4389	Cts/S	0.0001	0.0242	2,595.15
Pd3404	.0289	Cts/S	0.0000	0.0516	5,700.96
Y_3600_R	24925.	Cts/S	159.3649	0.6394	24,924.74
Y_2243_A	5912.8	Cts/S	7.8137	0.1322	5,912.77
Y_3600_A	197000.	Cts/S	52.6566	0.0267	196,995.71

ICV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 14:54:53
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	399.6	ug/L	1.4741	0.3688	7,928.34
Al3961_R	10140.	ug/L	69.9464	0.6896	10,550.16
As1891_A	386.0	ug/L	0.1232	0.0319	140.29
Au2427_A	W 426.7	ug/L	4.5170	1.0586	1,224.44
B_2089_A	391.8	ug/L	3.1357	0.8004	420.24
Ba4554_R	391.2	ug/L	3.0793	0.7871	31,751.66
Be3130_R	396.4	ug/L	2.8780	0.7261	58,186.55
Ca3158_R	10020.	ug/L	63.7262	0.6358	6,195.68
Cd2265_A	395.4	ug/L	1.4559	0.3682	4,196.11
Co2286_A	398.9	ug/L	2.1655	0.5429	1,203.70
Cr2677_A	399.4	ug/L	1.5803	0.3956	4,089.70
Cu3273_A	396.2	ug/L	1.4531	0.3668	5,025.53
Fe2599_R	10160.	ug/L	81.4945	0.8022	21,858.62
K_7664_R	13630.	ug/L	99.3626	0.7291	12,058.56
Li6707_R	406.6	ug/L	1.6582	0.4078	7,382.14
Mg2025_A	10210.	ug/L	66.5220	0.6516	738.35
Mn2576_R	392.2	ug/L	1.8317	0.4671	3,805.71
Mo2020_A	396.8	ug/L	2.4353	0.6138	848.39
Na5895_R	10090.	ug/L	91.1268	0.9031	26,354.26
Ni2316_A	395.4	ug/L	1.7659	0.4466	676.89
Pb2203_A	398.1	ug/L	2.5376	0.6375	308.70
Sb2068_A	387.6	ug/L	1.3256	0.3420	160.17
Se1960_A	386.7	ug/L	1.8307	0.4734	83.79
Si2516_R	10080.	ug/L	97.1164	0.9638	4,940.65
Sn1899_A	400.4	ug/L	0.0934	0.0233	67.04
Sr4215_R	395.8	ug/L	2.8285	0.7146	40,243.45
Ti3349_A	392.5	ug/L	1.5370	0.3916	10,827.36
Tl1908_A	397.2	ug/L	1.9037	0.4793	191.61
V_2924_A	398.6	ug/L	1.5406	0.3865	5,135.55

Katahdin Analytical Services 4000057

ICV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 14:54:53
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Zn2062_A	398.4	ug/L	1.1643	0.2923	1,045.90
Pd3404	407.1	ug/L	0.5493	0.1349	2,341.21
Y_3600_R	25139.	Cts/S	128.6787	0.5119	25,139.10
Y_2243_A	5980.4	Cts/S	39.5860	0.6619	5,980.38
Y_3600_A	199220.	Cts/S	148.2869	0.0744	199,224.91

ICB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 14:59:16
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2563	ug/L	0.0052	2.0278	-14.77
Al3961_R	-3.118	ug/L	6.7116	215.2274	-16.54
As1891_A	-.4184	ug/L	0.5141	122.8644	-0.87
Au2427_A	1.606	ug/L	0.7191	44.7728	2.78
B_2089_A	.3302	ug/L	0.0001	0.0348	1.40
Ba4554_R	-.0341	ug/L	0.0916	268.8482	41.34
Be3130_R	-.0145	ug/L	0.0035	23.8357	-3.01
Ca3158_R	-3.739	ug/L	1.0497	28.0717	-21.03
Cd2265_A	-.0311	ug/L	0.0128	41.1029	-0.92
Co2286_A	-.2486	ug/L	0.0837	33.6545	1.63
Cr2677_A	.4049	ug/L	0.4017	99.2214	4.41
Cu3273_A	-.3449	ug/L	0.5393	156.3633	6.28
Fe2599_R	1.646	ug/L	1.1413	69.3322	5.54
K_7664_R	13.78	ug/L	23.5517	170.8875	22.36
Li6707_R	.4112	ug/L	0.0606	14.7416	48.19
Mg2025_A	.2874	ug/L	1.7671	614.7885	-2.50
Mn2576_R	-.0670	ug/L	0.0872	130.2341	-3.30
Mo2020_A	.9809	ug/L	0.0990	10.0916	1.76
Na5895_R	18.32	ug/L	6.9612	37.9925	288.98
Ni2316_A	-.1338	ug/L	0.1084	81.0547	-0.23
Pb2203_A	-.4807	ug/L	0.0452	9.4013	-1.49
Sb2068_A	-.3315	ug/L	0.7909	238.5737	0.20
Se1960_A	-.9244	ug/L	1.5243	164.9013	0.81
Si2516_R	7.265	ug/L	3.8709	53.2831	12.54
Sn1899_A	-1.580	ug/L	0.3978	25.1834	0.81
Sr4215_R	-.0130	ug/L	0.0388	298.3519	-16.25
Ti3349_A	.0448	ug/L	0.0922	205.8972	-11.22
Tl1908_A	-.1094	ug/L	0.0297	27.1087	-0.63
V_2924_A	-.2397	ug/L	0.1199	50.0273	-1.47
Zn2062_A	-.0589	ug/L	0.0496	84.1754	0.30
Pd3404	-.5158	ug/L	0.3703	71.7915	-13.12
Y_3600_R	24962.	Cts/S	38.1962	0.1530	24,961.64
Y_2243_A	6033.4	Cts/S	6.8207	0.1130	6,033.38
Y_3600_A	202810.	Cts/S	521.4561	0.2571	202,809.10

PQL

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:03:52
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	10.15	ug/L	0.1198	1.1802	195.96
Al3961_R	315.7	ug/L	3.8768	1.2280	312.91
As1891_A	6.764	ug/L	0.2985	4.4125	2.48
Au2427_A	101.3	ug/L	1.0880	1.0735	290.00
B_2089_A	49.19	ug/L	0.1190	0.2419	52.64
Ba4554_R	4.805	ug/L	0.0783	1.6303	430.70

PQL

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:03:52
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Be3130_R	4.923	ug/L	0.0220	0.4464	715.79
Ca3158_R	97.42	ug/L	1.0947	1.1236	41.24
Cd2265_A	4.945	ug/L	0.0393	0.7952	52.36
Co2286_A	10.07	ug/L	0.1393	1.3831	33.04
Cr2677_A	10.34	ug/L	0.0694	0.6705	107.45
Cu3273_A	25.26	ug/L	0.0384	0.1519	334.69
Fe2599_R	102.3	ug/L	0.4691	0.4584	220.56
K_7664_R	1017.	ug/L	14.7791	1.4527	902.99
Li6707_R	102.0	ug/L	0.5299	0.5196	1,868.55
Mg2025_A	95.04	ug/L	4.9938	5.2542	4.44
Mn2576_R	4.919	ug/L	0.1683	3.4206	44.77
Mo2020_A	10.31	ug/L	0.1222	1.1853	21.91
Na5895_R	1031.	ug/L	7.5314	0.7305	2,890.21
Ni2316_A	10.59	ug/L	0.0222	0.2101	18.31
Pb2203_A	4.866	ug/L	0.6821	14.0162	2.74
Sb2068_A	W 6.362	ug/L	0.0915	1.4386	3.00
Se1960_A	9.672	ug/L	0.2132	2.2039	3.05
Si2516_R	201.7	ug/L	6.7666	3.3543	107.02
Sn1899_A	96.83	ug/L	1.7180	1.7742	17.19
Sr4215_R	10.09	ug/L	0.0043	0.0429	1,003.65
Ti3349_A	14.78	ug/L	0.2937	1.9871	401.05
Tl1908_A	15.88	ug/L	0.0909	0.5720	7.18
V_2924_A	10.10	ug/L	0.2246	2.2247	133.58
Zn2062_A	19.70	ug/L	0.0512	0.2598	52.68
Pd3404	100.6	ug/L	1.4302	1.4213	579.85
Y_3600_R	24955.	Cts/S	214.1357	0.8581	24,954.63
Y_2243_A	6038.6	Cts/S	3.5183	0.0583	6,038.63
Y_3600_A	201830.	Cts/S	238.1040	0.1180	201,832.58

ICSA

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:08:26
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-1.369	ug/L	0.0964	7.0397	-1,205.53
Al3961_R	511400.	ug/L	3,113.6575	0.6088	495,133.69
As1891_A	-.6902	ug/L	0.2759	39.9712	-3.06
Au2427_A	-3.814	ug/L	1.1636	30.5062	44.65
B_2089_A	-.6728	ug/L	0.5810	86.3450	0.17
Ba4554_R	2.165	ug/L	0.0080	0.3702	204.77
Be3130_R	-.0360	ug/L	0.0061	16.9745	-5.94
Ca3158_R	461800.	ug/L	2,408.7138	0.5216	266,618.38
Cd2265_A	-.0609	ug/L	0.0933	153.3199	229.71
Co2286_A	-2.242	ug/L	0.0247	1.1038	3.53
Cr2677_A	2.809	ug/L	0.0433	1.5419	40.62
Cu3273_A	1.772	ug/L	0.0455	2.5648	13.12
Fe2599_R	184400.	ug/L	65.4190	0.0355	369,493.98
K_7664_R	30.09	ug/L	13.3951	44.5112	34.40
Li6707_R	8.242	ug/L	1.1476	13.9225	176.84
Mg2025_A	469200.	ug/L	437.3909	0.0932	30,146.23
Mn2576_R	-.6844	ug/L	0.2346	34.2820	2.97
Mo2020_A	-2.945	ug/L	0.1988	6.7514	-5.89
Na5895_R	34.85	ug/L	0.5191	1.4893	310.86
Ni2316_A	1.489	ug/L	0.0313	2.0997	-9.36
Pb2203_A	2.622	ug/L	0.0406	1.5468	-35.95
Sb2068_A	.4654	ug/L	0.2080	44.6885	2.39
Se1960_A	5.260	ug/L	1.6333	31.0521	4.05

ICSA

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:08:26
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Si2516_R	28.26	ug/L	3.6344	12.8586	11.42
Sn1899_A	18.99	ug/L	0.1409	0.7416	3.71
Sr4215_R	W 27.76	ug/L	0.0849	0.3057	2,615.73
Ti3349_A	2.527	ug/L	0.1661	6.5721	50.87
Tl1908_A	2.008	ug/L	1.1559	57.5809	0.54
V_2924_A	.5310	ug/L	0.1114	20.9847	27.73
Zn2062_A	3.772	ug/L	0.1010	2.6787	9.17
Pd3404	-9.975	ug/L	1.0679	10.7053	-127.48
Y_3600_R	23410.	Cts/S	30.5048	0.1303	23,409.93
Y_2243_A	5296.2	Cts/S	2.7001	0.0510	5,296.20
Y_3600_A	176490.	Cts/S	64.8465	0.0367	176,485.57

ICSAB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:13:14
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	212.5	ug/L	0.9975	0.4694	2,622.59
Al3961_R	502400.	ug/L	1,625.3211	0.3235	493,754.99
As1891_A	98.98	ug/L	1.2367	1.2495	32.24
Au2427_A	526.9	ug/L	2.8873	0.5479	1,392.71
B_2089_A	482.8	ug/L	2.6052	0.5396	458.26
Ba4554_R	452.7	ug/L	0.1246	0.0275	34,729.84
Be3130_R	484.9	ug/L	2.8697	0.5918	67,290.19
Ca3158_R	450900.	ug/L	6,988.0483	1.5497	264,287.87
Cd2265_A	914.2	ug/L	0.5090	0.0557	8,804.00
Co2286_A	454.0	ug/L	0.3069	0.0676	1,222.02
Cr2677_A	470.0	ug/L	0.2166	0.0461	4,300.35
Cu3273_A	517.6	ug/L	0.5344	0.1032	5,831.98
Fe2599_R	181700.	ug/L	1,706.1678	0.9391	369,530.18
K_7664_R	20760.	ug/L	72.0062	0.3469	17,357.28
Li6707_R	524.2	ug/L	0.6350	0.1211	8,985.15
Mg2025_A	470900.	ug/L	1,213.2596	0.2576	30,302.14
Mn2576_R	463.6	ug/L	1.8609	0.4014	4,263.83
Mo2020_A	464.5	ug/L	1.8451	0.3972	880.89
Na5895_R	20980.	ug/L	9.2704	0.0442	51,543.03
Ni2316_A	887.2	ug/L	1.0770	0.1214	1,335.08
Pb2203_A	50.05	ug/L	0.6849	1.3684	-2.58
Sb2068_A	594.4	ug/L	1.0204	0.1717	218.89
Se1960_A	50.71	ug/L	0.0964	0.1901	12.37
Si2516_R	1954.	ug/L	9.4899	0.4856	905.30
Sn1899_A	471.6	ug/L	1.6865	0.3576	69.87
Sr4215_R	518.5	ug/L	0.6272	0.1210	49,839.82
Ti3349_A	478.3	ug/L	1.6608	0.3472	11,755.48
Tl1908_A	89.05	ug/L	0.0277	0.0312	38.18
V_2924_A	476.3	ug/L	2.1082	0.4426	5,485.22
Zn2062_A	900.9	ug/L	0.7924	0.0880	2,098.54
Pd3404	519.9	ug/L	0.1644	0.0316	2,604.04
Y_3600_R	23765.	Cts/S	103.4341	0.4352	23,765.05
Y_2243_A	5304.1	Cts/S	7.6023	0.1433	5,304.08
Y_3600_A	177470.	Cts/S	213.0416	0.1200	177,473.27

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:17:57
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:17:57
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	502.3	ug/L	1.1699	0.2329	9,979.17
Al3961_R	12470.	ug/L	2.6267	0.0211	12,894.50
As1891_A	496.1	ug/L	0.2284	0.0461	180.49
Au2427_A	495.8	ug/L	0.3877	0.0782	1,425.51
B_2089_A	498.3	ug/L	1.3573	0.2724	534.60
Ba4554_R	498.9	ug/L	1.2025	0.2410	40,241.42
Be3130_R	500.0	ug/L	0.0960	0.0192	72,962.87
Ca3158_R	12490.	ug/L	56.0595	0.4489	7,677.56
Cd2265_A	503.0	ug/L	0.2062	0.0410	5,343.17
Co2286_A	505.2	ug/L	0.1712	0.0339	1,525.50
Cr2677_A	503.0	ug/L	2.4097	0.4791	5,155.07
Cu3273_A	501.3	ug/L	0.9065	0.1808	6,362.46
Fe2599_R	12540.	ug/L	15.2384	0.1215	26,825.99
K_7664_R	12460.	ug/L	44.0730	0.3537	10,960.50
Li6707_R	496.1	ug/L	2.6246	0.5291	8,943.31
Mg2025_A	12630.	ug/L	33.3620	0.2640	915.31
Mn2576_R	502.0	ug/L	1.1165	0.2224	4,843.20
Mo2020_A	502.0	ug/L	0.7973	0.1588	1,074.65
Na5895_R	12370.	ug/L	13.9174	0.1125	32,059.19
Ni2316_A	506.3	ug/L	0.5019	0.0991	867.58
Pb2203_A	506.0	ug/L	2.1661	0.4281	393.10
Sb2068_A	498.3	ug/L	2.1117	0.4237	206.00
Se1960_A	493.2	ug/L	0.0895	0.0181	106.70
Si2516_R	12430.	ug/L	39.9550	0.3215	6,054.60
Sn1899_A	505.4	ug/L	4.2235	0.8356	84.42
Sr4215_R	496.7	ug/L	1.1479	0.2311	50,206.81
Ti3349_A	499.7	ug/L	1.5538	0.3110	13,800.27
Tl1908_A	504.2	ug/L	1.4964	0.2968	243.65
V_2924_A	502.3	ug/L	1.5182	0.3022	6,477.62
Zn2062_A	503.1	ug/L	0.9078	0.1804	1,322.19
Pd3404	499.3	ug/L	1.1880	0.2379	2,876.66
Y_3600_R	24989.	Cts/S	110.1449	0.4408	24,988.93
Y_2243_A	5986.2	Cts/S	2.8545	0.0477	5,986.20
Y_3600_A	199420.	Cts/S	39.0929	0.0196	199,420.86

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:22:19
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2758	ug/L	0.0252	9.1473	-15.25
Al3961_R	-1.140	ug/L	0.9690	84.9668	-14.53
As1891_A	-.4520	ug/L	0.6497	143.7356	-0.88
Au2427_A	1.528	ug/L	0.3050	19.9640	2.60
B_2089_A	.6189	ug/L	0.1047	16.9234	1.72
Ba4554_R	-.0576	ug/L	0.0328	56.9395	39.54
Be3130_R	.0077	ug/L	0.0434	562.4777	0.24
Ca3158_R	1.297	ug/L	2.1613	166.6881	-17.97
Cd2265_A	-.0182	ug/L	0.0105	57.3056	-0.79
Co2286_A	-.0863	ug/L	0.0437	50.5974	2.15
Cr2677_A	.1803	ug/L	0.0127	7.0279	2.08
Cu3273_A	.4883	ug/L	0.2269	46.4785	17.11
Fe2599_R	1.654	ug/L	1.5713	94.9928	5.57
K_7664_R	2.284	ug/L	9.3879	411.0154	12.31
Li6707_R	.2340	ug/L	1.4555	622.0734	45.12
Mg2025_A	-7.801	ug/L	0.9656	12.3782	-3.13
Mn2576_R	.3395	ug/L	0.0401	11.8168	0.62

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:22:19
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.093	ug/L	0.2364	21.6252	2.03
Na5895_R	22.24	ug/L	1.2001	5.3950	299.74
Ni2316_A	-.0937	ug/L	0.1524	162.7522	-0.16
Pb2203_A	-.6438	ug/L	0.7616	118.3064	-1.63
Sb2068_A	-.0067	ug/L	0.4478	6,731.9200	0.33
Se1960_A	-1.753	ug/L	0.4939	28.1799	0.64
Si2516_R	6.696	ug/L	1.9183	28.6499	12.29
Sn1899_A	-.5713	ug/L	0.6106	106.8866	0.99
Sr4215_R	-.0142	ug/L	0.0581	410.8361	-16.39
Ti3349_A	.0208	ug/L	0.0286	137.7076	-11.96
Tl1908_A	.4383	ug/L	0.8147	185.8551	-0.37
V_2924_A	-.1059	ug/L	0.0544	51.3545	0.29
Zn2062_A	-.0321	ug/L	0.0059	18.2786	0.37
Pd3404	.6246	ug/L	0.2345	37.5517	-6.44
Y_3600_R	25017.	Cts/S	18.9832	0.0759	25,017.46
Y_2243_A	6102.6	Cts/S	13.1737	0.2159	6,102.57
Y_3600_A	203870.	Cts/S	905.2295	0.4440	203,867.29

SE2698-001T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:26:54
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-17.79	ug/L	4.7460	26.6841	-115.15
Al3961_R	358400.	ug/L	1,172.4959	0.3272	46,732.70
As1891_A	1263.	ug/L	8.2219	0.6512	55.54
Au2427_A	-114.9	ug/L	4.4508	3.8749	4.36
B_2089_A	3907.	ug/L	3.8538	0.0986	500.59
Ba4554_R	56.44	ug/L	0.6918	1.2258	629.67
Be3130_R	45.77	ug/L	0.1057	0.2310	851.13
Ca3158_R	431600.	ug/L	2,073.8767	0.4805	33,552.10
Cd2265_A	8.684	ug/L	0.8879	10.2246	5.60
Co2286_A	6200.	ug/L	0.6456	0.0104	2,324.24
Cr2677_A	27080.	ug/L	26.2895	0.0971	34,222.65
Cu3273_A	1783.	ug/L	6.4688	0.3627	2,801.91
Fe2599_R	67110.	ug/L	203.0056	0.3025	18,118.81
K_7664_R	184.7	ug/L	229.3002	124.1332	33.43
Li6707_R	98.08	ug/L	3.2534	3.3170	273.72
Mg2025_A	21050.	ug/L	195.1891	0.9272	186.96
Mn2576_R	18730.	ug/L	11.3613	0.0607	22,807.25
Mo2020_A	53.45	ug/L	1.4926	2.7924	14.32
Na5895_R	1119000.	ug/L	5,614.1283	0.5017	363,579.28
Ni2316_A	160300.	ug/L	0.2658	0.0002	33,968.83
Pb2203_A	64.76	ug/L	5.9707	9.2204	4.51
Sb2068_A	131.8	ug/L	5.5247	4.1908	20.10
Se1960_A	-10.91	ug/L	3.7660	34.5193	1.19
Si2516_R	1536.	ug/L	28.2333	1.8382	105.21
Sn1899_A	-26.97	ug/L	3.6705	13.6105	0.77
Sr4215_R	940.4	ug/L	0.9236	0.0982	11,981.32
Ti3349_A	110.3	ug/L	2.6909	2.4404	372.52
Tl1908_A	-31.64	ug/L	4.9605	15.6787	-2.51
V_2924_A	3861.	ug/L	12.0995	0.3134	6,113.70
Zn2062_A	14300.	ug/L	38.7873	0.2712	4,650.10
Pd3404	-100.3	ug/L	0.5234	0.5216	-90.32
Y_3600_R	31540.	Cts/S	101.4802	0.3218	31,540.03
Y_2243_A	7414.6	Cts/S	5.8584	0.0790	7,414.56
Y_3600_A	245970.	Cts/S	21.7727	0.0089	245,971.37

SE2698-001T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:31:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-20.32	ug/L	2.7150	13.3588	-53.11
Al3961_R	418300.	ug/L	3,655.4468	0.8738	19,083.31
As1891_A	1483.	ug/L	8.1487	0.5496	22.89
Au2427_A	-144.5	ug/L	33.0973	22.9102	-0.36
B_2089_A	4533.	ug/L	10.1145	0.2231	208.10
Ba4554_R	67.19	ug/L	2.7702	4.1231	287.84
Be3130_R	53.13	ug/L	0.2785	0.5242	345.31
Ca3158_R	501300.	ug/L	681.4217	0.1359	13,627.08
Cd2265_A	10.75	ug/L	0.3712	3.4538	2.17
Co2286_A	7301.	ug/L	21.4034	0.2932	979.29
Cr2677_A	31930.	ug/L	80.3852	0.2518	14,365.88
Cu3273_A	2065.	ug/L	5.9646	0.2889	1,161.51
Fe2599_R	78820.	ug/L	111.4400	0.1414	7,448.33
K_7664_R	514.8	ug/L	375.6285	72.9663	31.35
Li6707_R	126.0	ug/L	18.4055	14.6128	144.97
Mg2025_A	24480.	ug/L	103.6888	0.4236	76.19
Mn2576_R	22090.	ug/L	26.6400	0.1206	9,414.86
Mo2020_A	65.77	ug/L	5.0589	7.6917	6.09
Na5895_R	1289000.	ug/L	1,614.0502	0.1252	146,719.69
Ni2316_A	190700.	ug/L	117.0621	0.0614	14,437.21
Pb2203_A	66.30	ug/L	14.4671	21.8219	0.94
Sb2068_A	128.7	ug/L	1.3623	1.0582	8.16
Se1960_A	-46.42	ug/L	21.0756	45.3978	0.77
Si2516_R	1860.	ug/L	83.6735	4.4980	49.73
Sn1899_A	-21.57	ug/L	18.5904	86.1911	1.02
Sr4215_R	1099.	ug/L	5.2035	0.4736	4,890.76
Ti3349_A	124.5	ug/L	2.6236	2.1067	142.64
Tl1908_A	-42.44	ug/L	6.5783	15.5016	-1.50
V_2924_A	4514.	ug/L	3.4735	0.0770	2,546.10
Zn2062_A	16850.	ug/L	0.1551	0.0009	1,957.54
Pd3404	-98.58	ug/L	2.7509	2.7905	-38.65
Y_3600_R	27595.	Cts/S	20.3725	0.0738	27,594.81
Y_2243_A	6622.3	Cts/S	10.2285	0.1545	6,622.35
Y_3600_A	218980.	Cts/S	156.7644	0.0716	218,975.39

PBWBE23ICW1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:35:58
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1628	ug/L	0.2096	128.7508	-13.06
Al3961_R	6.171	ug/L	2.2751	36.8662	-6.91
As1891_A	-.7399	ug/L	0.0072	0.9744	-0.99
Au2427_A	-.2732	ug/L	0.4980	182.2571	-2.66
B_2089_A	1.173	ug/L	0.0275	2.3443	2.29
Ba4554_R	.5632	ug/L	0.0019	0.3441	88.86
Be3130_R	-.0190	ug/L	0.0047	24.5986	-3.62
Ca3158_R	F 158.3	ug/L	5.0841	3.2118	78.24
Cd2265_A	.0338	ug/L	0.0235	69.6135	-0.22
Co2286_A	-.0104	ug/L	0.0300	289.4191	2.41
Cr2677_A	.3198	ug/L	0.0797	24.9175	3.55
Cu3273_A	.6018	ug/L	0.0595	9.8890	18.62
Fe2599_R	15.10	ug/L	0.0618	0.4092	34.07
K_7664_R	30.11	ug/L	12.4415	41.3139	36.49
Li6707_R	-.4215	ug/L	0.2458	58.3078	33.06
Mg2025_A	42.16	ug/L	4.1031	9.7316	0.57
Mn2576_R	.4474	ug/L	0.4499	100.5637	1.65

PBWBE23ICW1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:35:58
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.1345	ug/L	0.2505	186.2515	-0.06
Na5895_R	141.2	ug/L	4.2654	3.0205	601.00
Ni2316_A	1.782	ug/L	0.3847	21.5876	3.14
Pb2203_A	.6539	ug/L	0.2308	35.3012	-0.60
Sb2068_A	.5445	ug/L	0.0663	12.1782	0.57
Se1960_A	-1.351	ug/L	1.0353	76.6085	0.73
Si2516_R	28.30	ug/L	0.1655	0.5847	22.61
Sn1899_A	.6424	ug/L	1.4481	225.4149	1.21
Sr4215_R	.6184	ug/L	0.0262	4.2438	47.23
Ti3349_A	-.0964	ug/L	0.0415	43.0315	-15.32
Tl1908_A	-.8331	ug/L	0.8744	104.9591	-1.00
V_2924_A	-.0733	ug/L	0.2530	344.9601	0.83
Zn2062_A	1.010	ug/L	0.0223	2.2068	3.20
Pd3404	.9672	ug/L	0.2935	30.3498	-4.42
Y_3600_R	24807.	Cts/S	44.6569	0.1800	24,806.89
Y_2243_A	6163.2	Cts/S	9.0792	0.1473	6,163.19
Y_3600_A	204370.	Cts/S	339.8067	0.1663	204,372.58

LCSWBE23ICW1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:40:34
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	52.15	ug/L	0.1576	0.3022	1,036.01
Al3961_R	2170.	ug/L	12.8539	0.5925	2,234.82
As1891_A	101.3	ug/L	1.2172	1.2010	39.92
Au2427_A	-1.629	ug/L	0.4267	26.1978	2.82
B_2089_A	504.5	ug/L	0.1242	0.0246	539.95
Ba4554_R	2126.	ug/L	6.4028	0.3012	170,699.63
Be3130_R	54.55	ug/L	0.0981	0.1798	7,901.17
Ca3158_R	2684.	ug/L	7.7825	0.2899	1,629.52
Cd2265_A	259.3	ug/L	0.0254	0.0098	2,778.21
Co2286_A	539.4	ug/L	0.1041	0.0193	1,647.16
Cr2677_A	217.3	ug/L	0.8174	0.3762	2,248.48
Cu3273_A	269.2	ug/L	0.3024	0.1123	3,453.63
Fe2599_R	1128.	ug/L	4.4412	0.3939	2,405.02
K_7664_R	10450.	ug/L	13.2876	0.1272	9,157.45
Li6707_R	527.9	ug/L	1.0405	0.1971	9,479.73
Mg2025_A	5203.	ug/L	0.3065	0.0059	379.92
Mn2576_R	533.5	ug/L	0.5394	0.1011	5,127.01
Mo2020_A	313.4	ug/L	0.4304	0.1373	678.51
Na5895_R	7839.	ug/L	11.7472	0.1499	20,333.81
Ni2316_A	F 613.3	ug/L	0.2669	0.0435	1,062.80
Pb2203_A	104.4	ug/L	0.0086	0.0082	81.28
Sb2068_A	95.92	ug/L	2.0432	2.1302	40.60
Se1960_A	99.56	ug/L	0.7337	0.7370	22.33
Si2516_R	5182.	ug/L	8.2739	0.1597	2,522.25
Sn1899_A	538.5	ug/L	0.8874	0.1648	90.92
Sr4215_R	528.7	ug/L	0.9954	0.1883	53,249.87
Ti3349_A	520.1	ug/L	1.5199	0.2922	14,498.85
Tl1908_A	103.6	ug/L	1.3080	1.2620	50.58
V_2924_A	540.5	ug/L	0.9700	0.1795	7,065.68
Zn2062_A	545.4	ug/L	0.7925	0.1453	1,450.79
Pd3404	513.7	ug/L	1.4442	0.2811	2,993.38
Y_3600_R	24899.	Cts/S	36.5121	0.1466	24,899.20
Y_2243_A	6056.0	Cts/S	4.7894	0.0791	6,055.98
Y_3600_A	201340.	Cts/S	148.5256	0.0738	201,344.54

SE2646-006R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:44:59
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0216	ug/L	0.1633	756.1740	-14.80
Al3961_R	110.5	ug/L	5.7804	5.2311	102.66
As1891_A	-.6503	ug/L	0.9462	145.4931	-0.95
Au2427_A	-1.072	ug/L	0.2174	20.2794	0.22
B_2089_A	22.42	ug/L	0.4573	2.0394	24.38
Ba4554_R	8.301	ug/L	0.0368	0.4437	706.81
Be3130_R	-.0176	ug/L	0.0128	72.5132	-3.51
Ca3158_R	12620.	ug/L	7.3936	0.0586	7,694.92
Cd2265_A	.0062	ug/L	0.0254	407.3585	0.44
Co2286_A	.5365	ug/L	0.0514	9.5787	4.06
Cr2677_A	.8791	ug/L	0.1130	12.8523	9.60
Cu3273_A	.3420	ug/L	0.0417	12.1838	14.92
Fe2599_R	679.3	ug/L	0.3102	0.0457	1,442.30
K_7664_R	1863.	ug/L	16.3068	0.8754	1,633.11
Li6707_R	2.687	ug/L	0.0438	1.6311	88.31
Mg2025_A	2129.	ug/L	0.8317	0.0391	153.51
Mn2576_R	241.4	ug/L	0.4331	0.1794	2,306.67
Mo2020_A	.6278	ug/L	0.0554	8.8270	1.00
Na5895_R	11670.	ug/L	24.1264	0.2067	30,010.12
Ni2316_A	2.096	ug/L	0.0513	2.4470	3.57
Pb2203_A	-.0570	ug/L	0.5232	918.2724	-1.16
Sb2068_A	-.7447	ug/L	0.4029	54.0973	0.03
Se1960_A	-.0317	ug/L	0.0046	14.3870	1.02
Si2516_R	3205.	ug/L	9.0663	0.2829	1,554.00
Sn1899_A	-.4669	ug/L	0.1954	41.8544	1.00
Sr4215_R	56.08	ug/L	0.2181	0.3888	5,606.83
Ti3349_A	1.064	ug/L	0.0526	4.9454	17.25
Tl1908_A	-.3791	ug/L	0.5837	153.9686	-0.89
V_2924_A	.3474	ug/L	0.0651	18.7286	3.77
Zn2062_A	8.080	ug/L	0.1675	2.0727	21.90
Pd3404	1.001	ug/L	0.1986	19.8476	-4.59
Y_3600_R	24773.	Cts/S	9.8685	0.0398	24,773.41
Y_2243_A	6040.9	Cts/S	6.7926	0.1124	6,040.92
Y_3600_A	200980.	Cts/S	135.2973	0.0673	200,979.62

SE2646-007R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:49:33
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2641	ug/L	0.1975	74.7953	-19.16
Al3961_R	102.3	ug/L	9.1590	8.9541	94.55
As1891_A	.7106	ug/L	1.1202	157.6287	-0.46
Au2427_A	-1.030	ug/L	1.1360	110.3150	0.06
B_2089_A	21.37	ug/L	0.2245	1.0505	23.25
Ba4554_R	7.938	ug/L	0.1511	1.9035	680.83
Be3130_R	.0092	ug/L	0.0096	104.1156	0.36
Ca3158_R	12120.	ug/L	19.0768	0.1574	7,422.06
Cd2265_A	.0443	ug/L	0.0320	72.2383	0.74
Co2286_A	.3885	ug/L	0.0641	16.4945	3.60
Cr2677_A	.6643	ug/L	0.1433	21.5656	7.37
Cu3273_A	.4511	ug/L	0.5775	128.0225	16.32
Fe2599_R	601.4	ug/L	1.1991	0.1994	1,282.79
K_7664_R	1825.	ug/L	8.2101	0.4499	1,607.27
Li6707_R	2.203	ug/L	0.8347	37.8835	80.07
Mg2025_A	2077.	ug/L	12.8892	0.6206	149.63
Mn2576_R	228.7	ug/L	0.2235	0.0977	2,195.57

SE2646-007R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:49:33
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.2743	ug/L	0.0077	2.8082	0.24
Na5895_R	11370.	ug/L	14.4816	0.1273	29,372.08
Ni2316_A	2.118	ug/L	0.0429	2.0234	3.61
Pb2203_A	.0393	ug/L	0.8533	2,172.1180	-1.08
Sb2068_A	-.0645	ug/L	0.0879	136.2356	0.31
Se1960_A	-2.391	ug/L	1.0590	44.2949	0.50
Si2516_R	3130.	ug/L	21.9821	0.7023	1,524.73
Sn1899_A	-1.725	ug/L	1.6916	98.0465	0.79
Sr4215_R	54.74	ug/L	0.0122	0.0222	5,496.93
Ti3349_A	1.132	ug/L	0.0134	1.1823	19.17
Tl1908_A	-.0046	ug/L	0.1485	3,199.3446	-0.70
V_2924_A	.2385	ug/L	0.3614	151.5020	2.50
Zn2062_A	7.811	ug/L	0.0128	0.1633	21.18
Pd3404	.7486	ug/L	0.1328	17.7402	-6.03
Y_3600_R	24885.	Cts/S	6.1528	0.0247	24,884.58
Y_2243_A	6038.6	Cts/S	3.8326	0.0635	6,038.63
Y_3600_A	201220.	Cts/S	634.9169	0.3155	201,216.76

SE2646-008R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:54:06
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0568	ug/L	0.1731	304.7759	-14.00
Al3961_R	140.2	ug/L	5.2376	3.7369	132.17
As1891_A	.7689	ug/L	1.0356	134.6780	-0.45
Au2427_A	-.2813	ug/L	0.6243	221.9283	-0.27
B_2089_A	9.397	ug/L	0.1489	1.5845	10.97
Ba4554_R	3.656	ug/L	0.0340	0.9291	338.02
Be3130_R	-.0037	ug/L	0.0218	585.2169	-1.57
Ca3158_R	4509.	ug/L	34.5942	0.7673	2,754.31
Cd2265_A	.0726	ug/L	0.0256	35.2291	0.84
Co2286_A	.5400	ug/L	0.0582	10.7737	4.12
Cr2677_A	.9206	ug/L	0.1135	12.3318	9.94
Cu3273_A	.4270	ug/L	0.1987	46.5411	16.15
Fe2599_R	454.1	ug/L	1.4264	0.3141	971.19
K_7664_R	1025.	ug/L	1.9491	0.1902	908.92
Li6707_R	3.150	ug/L	0.1684	5.3469	97.20
Mg2025_A	1174.	ug/L	1.4384	0.1226	84.73
Mn2576_R	109.1	ug/L	0.5451	0.4995	1,048.29
Mo2020_A	.3774	ug/L	0.1052	27.8716	0.47
Na5895_R	11790.	ug/L	5.2913	0.0449	30,512.59
Ni2316_A	2.294	ug/L	0.1124	4.8999	3.98
Pb2203_A	-.0760	ug/L	0.1681	221.2281	-1.19
Sb2068_A	-.3557	ug/L	0.6575	184.8677	0.19
Se1960_A	-1.038	ug/L	0.5837	56.2260	0.80
Si2516_R	2833.	ug/L	1.7457	0.0616	1,383.99
Sn1899_A	-1.103	ug/L	1.0529	95.4560	0.91
Sr4215_R	26.01	ug/L	0.1150	0.4419	2,609.46
Ti3349_A	1.766	ug/L	0.0107	0.6050	37.09
Tl1908_A	-.5166	ug/L	0.2347	45.4383	-0.90
V_2924_A	.3917	ug/L	0.3926	100.2301	5.81
Zn2062_A	2.974	ug/L	0.0407	1.3694	8.47
Pd3404	.0362	ug/L	0.9517	2,629.1969	-10.11
Y_3600_R	24937.	Cts/S	87.3747	0.3504	24,936.66
Y_2243_A	6131.3	Cts/S	5.6973	0.0929	6,131.35
Y_3600_A	202600.	Cts/S	723.0234	0.3569	202,596.82

SE2841-021

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 15:58:41
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0160	ug/L	0.0801	501.2259	-10.11
Al3961_R	10.44	ug/L	4.9272	47.2074	-2.59
As1891_A	-1.060	ug/L	0.5763	54.3721	-1.13
Au2427_A	-.4263	ug/L	1.5358	360.3057	-3.16
B_2089_A	1.512	ug/L	0.0142	0.9420	2.68
Ba4554_R	-.0077	ug/L	0.0325	422.8583	43.58
Be3130_R	-.0047	ug/L	0.0188	396.9528	-1.58
Ca3158_R	-6.412	ug/L	6.8894	107.4412	-22.73
Cd2265_A	-.0076	ug/L	0.0318	418.2474	-0.68
Co2286_A	-.0813	ug/L	0.1635	201.2628	2.22
Cr2677_A	.2067	ug/L	0.0406	19.6395	2.39
Cu3273_A	.0966	ug/L	0.1876	194.2408	12.19
Fe2599_R	9.119	ug/L	0.4510	4.9455	21.56
K_7664_R	25.17	ug/L	8.7614	34.8082	32.45
Li6707_R	.3443	ug/L	1.0846	315.0003	47.15
Mg2025_A	2.773	ug/L	0.2005	7.2310	-2.40
Mn2576_R	.3755	ug/L	0.1279	34.0491	0.97
Mo2020_A	.1654	ug/L	0.0226	13.6897	0.00
Na5895_R	65.10	ug/L	2.7227	4.1824	410.32
Ni2316_A	1.261	ug/L	0.1798	14.2595	2.25
Pb2203_A	-.1215	ug/L	0.7013	577.3263	-1.24
Sb2068_A	-.2170	ug/L	0.2069	95.3412	0.25
Se1960_A	-1.177	ug/L	0.9737	82.7350	0.78
Si2516_R	24.54	ug/L	0.3122	1.2724	20.98
Sn1899_A	-.6549	ug/L	1.3090	199.8800	1.00
Sr4215_R	.0257	ug/L	0.0213	82.8117	-12.37
Ti3349_A	-.0058	ug/L	0.0020	33.8622	-12.91
Tl1908_A	-.9742	ug/L	0.7299	74.9294	-1.09
V_2924_A	.0218	ug/L	0.1023	468.6579	2.12
Zn2062_A	.2674	ug/L	0.0155	5.7923	1.20
Pd3404	.4425	ug/L	0.0024	0.5333	-7.62
Y_3600_R	25031.	Cts/S	71.2581	0.2847	25,030.50
Y_2243_A	6242.8	Cts/S	6.8089	0.1091	6,242.81
Y_3600_A	206770.	Cts/S	164.5674	0.0796	206,770.78

SE2841-022

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:03:17
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0305	ug/L	0.1807	592.4969	-10.40
Al3961_R	4.371	ug/L	2.3057	52.7484	-8.89
As1891_A	-1.184	ug/L	0.0560	4.7354	-1.17
Au2427_A	.3278	ug/L	0.6291	191.9308	-0.90
B_2089_A	.3640	ug/L	0.0354	9.7330	1.44
Ba4554_R	-.0325	ug/L	0.1125	346.0625	41.65
Be3130_R	.0008	ug/L	0.0208	2,459.0094	-0.77
Ca3158_R	5.212	ug/L	2.1535	41.3158	-15.58
Cd2265_A	.0307	ug/L	0.0468	152.2753	-0.25
Co2286_A	-.0351	ug/L	0.1713	487.8163	2.35
Cr2677_A	.5985	ug/L	0.1096	18.3063	6.52
Cu3273_A	.0725	ug/L	0.3170	437.3189	11.82
Fe2599_R	14.40	ug/L	1.4700	10.2057	32.93
K_7664_R	24.60	ug/L	7.3949	30.0559	32.01
Li6707_R	-.8006	ug/L	0.0925	11.5582	26.58
Mg2025_A	1.951	ug/L	2.9090	149.0871	-2.45
Mn2576_R	.7462	ug/L	0.2657	35.6058	4.56

SE2841-022

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:03:17
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.1183	ug/L	0.0366	30.9308	-0.10
Na5895_R	66.16	ug/L	7.3893	11.1694	413.70
Ni2316_A	1.215	ug/L	0.0120	0.9862	2.16
Pb2203_A	-.3793	ug/L	0.4860	128.1383	-1.45
Sb2068_A	-.0573	ug/L	0.3019	527.3691	0.32
Se1960_A	-.4013	ug/L	0.8119	202.3475	0.95
Si2516_R	30.36	ug/L	0.6097	2.0084	23.85
Sn1899_A	-1.465	ug/L	2.2402	152.9031	0.86
Sr4215_R	.1194	ug/L	0.0240	20.0627	-2.88
Ti3349_A	.1313	ug/L	0.0298	22.6829	-8.94
Tl1908_A	-.7979	ug/L	0.3536	44.3146	-1.00
V_2924_A	.2028	ug/L	0.1764	87.0057	4.54
Zn2062_A	.6371	ug/L	0.1290	20.2438	2.21
Pd3404	1.172	ug/L	1.1162	95.2721	-3.24
Y_3600_R	25071.	Cts/S	11.9902	0.0478	25,070.85
Y_2243_A	6219.9	Cts/S	11.3245	0.1821	6,219.86
Y_3600_A	205760.	Cts/S	414.8527	0.2016	205,759.78

PBSBE23ICS0

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:07:54
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0262	ug/L	0.2244	857.5642	-10.37
Al3961_R	7.703	ug/L	1.1097	14.4071	-5.44
As1891_A	-.2518	ug/L	0.2362	93.7994	-0.82
Au2427_A	.8091	ug/L	0.2030	25.0934	0.52
B_2089_A	.1904	ug/L	0.5342	280.5640	1.25
Ba4554_R	.3683	ug/L	0.0037	1.0045	74.41
Be3130_R	-.0046	ug/L	0.0632	1,379.6629	-1.63
Ca3158_R	59.45	ug/L	4.6574	7.8342	18.04
Cd2265_A	.0379	ug/L	0.0060	15.8163	-0.16
Co2286_A	-.0771	ug/L	0.0329	42.6137	2.21
Cr2677_A	.8910	ug/L	0.1038	11.6479	9.62
Cu3273_A	.6624	ug/L	0.2123	32.0505	19.55
Fe2599_R	20.10	ug/L	0.0193	0.0961	45.38
K_7664_R	20.43	ug/L	18.2068	89.1012	28.43
Li6707_R	.4026	ug/L	0.3061	76.0313	48.47
Mg2025_A	21.20	ug/L	4.2001	19.8085	-0.99
Mn2576_R	.6157	ug/L	0.1356	22.0293	3.31
Mo2020_A	.2527	ug/L	0.2440	96.5526	0.20
Na5895_R	55.89	ug/L	5.3374	9.5491	389.13
Ni2316_A	.2958	ug/L	0.0085	2.8898	0.52
Pb2203_A	.2391	ug/L	1.0055	420.5792	-0.94
Sb2068_A	-.6795	ug/L	0.2790	41.0651	0.06
Se1960_A	-.9014	ug/L	1.0740	119.1507	0.83
Si2516_R	24.22	ug/L	3.0056	12.4075	20.96
Sn1899_A	35.28	ug/L	0.0881	0.2497	7.10
Sr4215_R	.2399	ug/L	0.0733	30.5746	9.40
Ti3349_A	.5424	ug/L	0.2199	40.5370	2.79
Tl1908_A	-.4827	ug/L	0.0503	10.4252	-0.83
V_2924_A	.0588	ug/L	0.2247	382.4927	2.59
Zn2062_A	.5810	ug/L	0.0253	4.3551	2.04
Pd3404	.8782	ug/L	0.7478	85.1444	-4.99
Y_3600_R	25192.	Cts/S	124.4861	0.4941	25,192.23
Y_2243_A	6176.1	Cts/S	2.1051	0.0341	6,176.14
Y_3600_A	205950.	Cts/S	233.7358	0.1135	205,950.41

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:12:30
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	500.9	ug/L	0.1637	0.0327	10,010.35
Al3961_R	12540.	ug/L	93.0277	0.7417	12,833.55
As1891_A	495.4	ug/L	0.9539	0.1926	181.96
Au2427_A	491.3	ug/L	0.5668	0.1154	1,426.38
B_2089_A	495.4	ug/L	0.0397	0.0080	536.80
Ba4554_R	498.2	ug/L	0.3329	0.0668	39,758.65
Be3130_R	505.9	ug/L	2.9320	0.5796	73,029.93
Ca3158_R	12580.	ug/L	75.7030	0.6018	7,651.68
Cd2265_A	502.9	ug/L	0.0521	0.0104	5,393.86
Co2286_A	505.5	ug/L	0.7807	0.1544	1,541.03
Cr2677_A	505.9	ug/L	0.3354	0.0663	5,216.84
Cu3273_A	500.7	ug/L	0.1530	0.0306	6,394.57
Fe2599_R	12700.	ug/L	76.8865	0.6055	26,870.90
K_7664_R	12510.	ug/L	75.8292	0.6062	10,885.38
Li6707_R	496.4	ug/L	0.7342	0.1479	8,854.25
Mg2025_A	12400.	ug/L	9.5225	0.0768	906.97
Mn2576_R	508.1	ug/L	2.4146	0.4753	4,849.83
Mo2020_A	502.8	ug/L	1.2406	0.2467	1,086.54
Na5895_R	12360.	ug/L	17.1155	0.1385	31,686.79
Ni2316_A	507.2	ug/L	0.6003	0.1183	877.41
Pb2203_A	510.0	ug/L	0.9716	0.1905	400.05
Sb2068_A	496.4	ug/L	1.9154	0.3859	207.18
Se1960_A	494.6	ug/L	0.0637	0.0129	108.03
Si2516_R	12480.	ug/L	90.6868	0.7269	6,014.16
Sn1899_A	500.5	ug/L	2.8595	0.5713	84.42
Sr4215_R	495.4	ug/L	0.7224	0.1458	49,538.17
Ti3349_A	500.9	ug/L	1.3451	0.2685	13,919.43
Tl1908_A	505.6	ug/L	1.9528	0.3863	246.63
V_2924_A	505.6	ug/L	1.4715	0.2910	6,560.37
Zn2062_A	509.4	ug/L	0.8953	0.1757	1,351.57
Pd3404	497.3	ug/L	0.7575	0.1523	2,882.96
Y_3600_R	24725.	Cts/S	225.6165	0.9125	24,724.50
Y_2243_A	6043.7	Cts/S	7.7854	0.1288	6,043.73
Y_3600_A	200660.	Cts/S	455.1849	0.2268	200,660.57

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:16:53
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.1549	ug/L	0.0757	48.8730	-6.44
Al3961_R	-.5574	ug/L	4.7127	845.5097	-13.87
As1891_A	-.8239	ug/L	0.3346	40.6123	-1.03
Au2427_A	1.592	ug/L	0.3960	24.8652	2.82
B_2089_A	.4465	ug/L	0.0471	10.5462	1.54
Ba4554_R	-.1021	ug/L	0.1759	172.3388	35.77
Be3130_R	-.0501	ug/L	0.0318	63.4746	-8.16
Ca3158_R	-2.897	ug/L	2.9790	102.8392	-20.45
Cd2265_A	.0495	ug/L	0.0450	91.0183	-0.06
Co2286_A	.0800	ug/L	0.0207	25.8849	2.69
Cr2677_A	.2049	ug/L	0.0230	11.2172	2.34
Cu3273_A	.1452	ug/L	0.2707	186.4472	12.70
Fe2599_R	3.408	ug/L	0.0797	2.3391	9.27
K_7664_R	11.77	ug/L	22.3731	190.1395	20.55
Li6707_R	.4496	ug/L	0.1240	27.5806	48.74
Mg2025_A	1.356	ug/L	0.4436	32.7236	-2.48
Mn2576_R	.3136	ug/L	0.3411	108.7789	0.37

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:16:53
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.7144	ug/L	0.2418	33.8464	1.22
Na5895_R	35.43	ug/L	0.4094	1.1556	332.02
Ni2316_A	.1291	ug/L	0.1109	85.9420	0.23
Pb2203_A	-.3655	ug/L	0.8699	238.0299	-1.43
Sb2068_A	-.4387	ug/L	0.1190	27.1326	0.16
Se1960_A	-1.547	ug/L	0.2894	18.7027	0.69
Si2516_R	5.864	ug/L	1.4338	24.4516	11.82
Sn1899_A	-.2214	ug/L	0.0672	30.3492	1.06
Sr4215_R	.0851	ug/L	0.0527	61.9287	-6.32
Ti3349_A	-.0767	ug/L	0.0270	35.1780	-14.77
Tl1908_A	.3134	ug/L	0.3244	103.5042	-0.43
V_2924_A	-.0233	ug/L	0.2334	1,001.8438	1.44
Zn2062_A	-.1474	ug/L	0.2043	138.6355	0.07
Pd3404	.6164	ug/L	1.0380	168.4117	-6.51
Y_3600_R	24892.	Cts/S	0.9532	0.0038	24,891.89
Y_2243_A	6181.4	Cts/S	6.6944	0.1083	6,181.36
Y_3600_A	204610.	Cts/S	80.1006	0.0391	204,605.14

LCSOBE23ICS0

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:21:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	45.91	ug/L	0.2358	0.5137	913.61
Al3961_R	1944.	ug/L	6.0158	0.3095	1,993.95
As1891_A	92.50	ug/L	0.3202	0.3461	36.29
Au2427_A	-2.009	ug/L	0.0692	3.4436	0.80
B_2089_A	451.2	ug/L	0.9684	0.2146	487.89
Ba4554_R	1889.	ug/L	0.1016	0.0054	151,105.51
Be3130_R	49.00	ug/L	0.0639	0.1305	7,071.56
Ca3158_R	2527.	ug/L	33.6935	1.3333	1,527.37
Cd2265_A	235.9	ug/L	0.5326	0.2258	2,552.49
Co2286_A	481.7	ug/L	0.9124	0.1894	1,486.11
Cr2677_A	195.3	ug/L	0.2774	0.1420	2,027.72
Cu3273_A	240.4	ug/L	0.3818	0.1588	3,095.24
Fe2599_R	1018.	ug/L	4.6125	0.4531	2,163.49
K_7664_R	9572.	ug/L	5.0559	0.0528	8,360.95
Li6707_R	477.3	ug/L	1.7611	0.3690	8,544.52
Mg2025_A	4675.	ug/L	43.4702	0.9299	344.56
Mn2576_R	479.5	ug/L	0.3988	0.0832	4,592.02
Mo2020_A	281.9	ug/L	0.7345	0.2606	616.23
Na5895_R	7224.	ug/L	19.4840	0.2697	18,690.40
Ni2316_A	480.0	ug/L	0.4462	0.0930	840.27
Pb2203_A	96.26	ug/L	0.0076	0.0079	75.55
Sb2068_A	84.87	ug/L	0.2135	0.2515	36.36
Se1960_A	90.62	ug/L	1.5577	1.7190	20.66
Si2516_R	4242.	ug/L	30.7252	0.7242	2,059.04
Sn1899_A	515.6	ug/L	6.8701	1.3324	87.99
Sr4215_R	478.2	ug/L	1.1954	0.2500	47,991.03
Ti3349_A	474.5	ug/L	1.8903	0.3984	13,267.82
Tl1908_A	93.92	ug/L	0.7064	0.7521	46.23
V_2924_A	478.1	ug/L	2.9778	0.6228	6,269.47
Zn2062_A	488.5	ug/L	0.8366	0.1713	1,312.54
Pd3404	409.0	ug/L	1.6846	0.4119	2,388.43
Y_3600_R	24810.	Cts/S	120.7740	0.4868	24,809.60
Y_2243_A	6117.0	Cts/S	2.5836	0.0422	6,116.96
Y_3600_A	201970.	Cts/S	724.0952	0.3585	201,965.46

SE2841-001

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:25:56
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.028	ug/L	0.0193	1.8785	-791.07
Al3961_R	82190.	ug/L	280.2424	0.3410	86,337.17
As1891_A	39.35	ug/L	0.1487	0.3778	11.94
Au2427_A	-13.12	ug/L	0.8139	6.2015	39.61
B_2089_A	8.200	ug/L	0.3198	3.9003	9.78
Ba4554_R	258.6	ug/L	0.1161	0.0449	21,229.64
Be3130_R	3.559	ug/L	0.0098	0.2751	80.02
Ca3158_R	15960.	ug/L	16.4159	0.1029	9,981.40
Cd2265_A	-1.294	ug/L	0.0043	0.3337	138.85
Co2286_A	40.18	ug/L	0.0111	0.0276	166.84
Cr2677_A	147.5	ug/L	0.2464	0.1671	1,544.35
Cu3273_A	95.05	ug/L	0.2354	0.2476	1,178.97
Fe2599_R	105900.	ug/L	316.9316	0.2993	230,290.60
K_7664_R	15190.	ug/L	0.4117	0.0027	13,577.18
Li6707_R	125.4	ug/L	0.6430	0.5130	2,328.50
Mg2025_A	27360.	ug/L	21.5267	0.0787	2,034.83
Mn2576_R	2144.	ug/L	6.1823	0.2884	21,046.36
Mo2020_A	2.009	ug/L	0.4488	22.3356	4.01
Na5895_R	1411.	ug/L	0.6628	0.0470	3,936.65
Ni2316_A	119.2	ug/L	0.4661	0.3911	201.29
Pb2203_A	53.78	ug/L	0.6886	1.2802	35.28
Sb2068_A	-1.757	ug/L	0.1872	10.6568	0.90
Se1960_A	-1.954	ug/L	0.8789	44.9851	1.38
Si2516_R	3108.	ug/L	16.4223	0.5284	1,542.37
Sn1899_A	53.05	ug/L	0.8385	1.5807	10.06
Sr4215_R	88.70	ug/L	0.1969	0.2220	9,102.93
Ti3349_A	5313.	ug/L	6.0034	0.1130	148,791.86
Tl1908_A	-2.425	ug/L	0.4852	20.0058	-4.70
V_2924_A	179.1	ug/L	0.0574	0.0321	2,379.22
Zn2062_A	232.8	ug/L	0.0491	0.0211	627.61
Pd3404	-10.03	ug/L	0.6629	6.6083	-98.74
Y_3600_R	25406.	Cts/S	51.2489	0.2017	25,405.53
Y_2243_A	6137.2	Cts/S	15.2240	0.2481	6,137.18
Y_3600_A	202180.	Cts/S	537.5528	0.2659	202,180.50

SE2841-002

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:30:26
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.891	ug/L	0.4015	21.2378	-876.96
Al3961_R	86250.	ug/L	114.0965	0.1323	90,646.09
As1891_A	32.07	ug/L	0.4329	1.3499	9.02
Au2427_A	-14.45	ug/L	2.4156	16.7186	41.67
B_2089_A	9.887	ug/L	0.4116	4.1636	11.54
Ba4554_R	283.7	ug/L	0.3468	0.1222	23,296.28
Be3130_R	3.829	ug/L	0.0070	0.1830	82.35
Ca3158_R	17120.	ug/L	7.8770	0.0460	10,714.68
Cd2265_A	-1.402	ug/L	0.1474	10.5140	157.67
Co2286_A	44.42	ug/L	0.1455	0.3276	183.58
Cr2677_A	139.3	ug/L	0.1435	0.1031	1,461.03
Cu3273_A	88.93	ug/L	0.4944	0.5559	1,095.72
Fe2599_R	119700.	ug/L	495.8692	0.4143	260,409.65
K_7664_R	17330.	ug/L	15.5527	0.0898	15,498.29
Li6707_R	141.2	ug/L	0.1106	0.0784	2,618.39
Mg2025_A	30700.	ug/L	139.5153	0.4545	2,283.44
Mn2576_R	2210.	ug/L	8.6428	0.3911	21,709.49

SE2841-002

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:30:26
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.582	ug/L	0.1003	6.3355	3.06
Na5895_R	1538.	ug/L	4.4089	0.2867	4,269.62
Ni2316_A	122.8	ug/L	0.0565	0.0460	206.69
Pb2203_A	54.97	ug/L	1.0634	1.9346	35.94
Sb2068_A	-1.975	ug/L	1.4059	71.1767	0.81
Se1960_A	-1.568	ug/L	2.0851	132.9930	1.54
Si2516_R	3104.	ug/L	19.6991	0.6346	1,540.64
Sn1899_A	49.14	ug/L	0.7116	1.4480	9.40
Sr4215_R	107.6	ug/L	0.1359	0.1263	11,052.83
Ti3349_A	5763.	ug/L	27.4650	0.4766	161,477.30
Tl1908_A	-3.050	ug/L	1.2827	42.0583	-5.21
V_2924_A	205.0	ug/L	0.8001	0.3903	2,726.30
Zn2062_A	246.9	ug/L	0.1260	0.0510	665.77
Pd3404	-12.31	ug/L	0.5032	4.0875	-116.65
Y_3600_R	25420.	Cts/S	83.0360	0.3267	25,419.68
Y_2243_A	6137.7	Cts/S	2.0172	0.0329	6,137.75
Y_3600_A	202270.	Cts/S	222.2297	0.1099	202,271.14

SE2841-003

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:34:55
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.971	ug/L	0.0122	0.6176	-888.08
Al3961_R	84500.	ug/L	279.7235	0.3311	89,116.39
As1891_A	47.11	ug/L	0.3364	0.7140	14.56
Au2427_A	-10.98	ug/L	0.8693	7.9196	42.57
B_2089_A	6.307	ug/L	0.0802	1.2717	7.81
Ba4554_R	277.5	ug/L	0.0432	0.0156	22,863.85
Be3130_R	3.490	ug/L	0.0387	1.1087	54.52
Ca3158_R	20270.	ug/L	28.3093	0.1397	12,732.99
Cd2265_A	-1.278	ug/L	0.0210	1.6428	162.24
Co2286_A	37.19	ug/L	0.1224	0.3291	160.05
Cr2677_A	168.7	ug/L	0.7641	0.4529	1,766.89
Cu3273_A	143.6	ug/L	0.3676	0.2560	1,800.42
Fe2599_R	121600.	ug/L	137.1577	0.1128	265,573.64
K_7664_R	14730.	ug/L	49.5126	0.3361	13,225.56
Li6707_R	136.2	ug/L	0.0820	0.0602	2,536.15
Mg2025_A	31080.	ug/L	76.6640	0.2467	2,317.65
Mn2576_R	1727.	ug/L	1.1961	0.0692	17,030.06
Mo2020_A	2.268	ug/L	0.0795	3.5047	4.59
Na5895_R	1680.	ug/L	1.0289	0.0612	4,659.70
Ni2316_A	137.3	ug/L	0.1033	0.0753	232.49
Pb2203_A	68.25	ug/L	0.3326	0.4874	46.88
Sb2068_A	-1.161	ug/L	0.4338	37.3766	1.32
Se1960_A	.6466	ug/L	2.3940	370.2333	2.01
Si2516_R	2451.	ug/L	5.2285	0.2133	1,221.53
Sn1899_A	48.02	ug/L	1.5555	3.2392	9.24
Sr4215_R	120.8	ug/L	0.1480	0.1225	12,452.06
Ti3349_A	5501.	ug/L	4.1475	0.0754	154,141.58
Tl1908_A	-2.613	ug/L	0.5647	21.6084	-4.69
V_2924_A	204.9	ug/L	0.5273	0.2574	2,728.00
Zn2062_A	283.7	ug/L	1.1861	0.4180	766.93
Pd3404	-11.12	ug/L	0.0067	0.0602	-110.93
Y_3600_R	25509.	Cts/S	15.0007	0.0588	25,508.78
Y_2243_A	6153.4	Cts/S	6.7855	0.1103	6,153.38
Y_3600_A	202290.	Cts/S	320.4983	0.1584	202,288.99

SE2841-004

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:39:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.771	ug/L	0.1152	6.5055	-636.02
Al3961_R	62300.	ug/L	363.4791	0.5834	64,846.04
As1891_A	29.00	ug/L	0.1598	0.5512	8.46
Au2427_A	-12.88	ug/L	1.3198	10.2478	33.10
B_2089_A	5.428	ug/L	0.5139	9.4673	6.81
Ba4554_R	157.2	ug/L	0.0960	0.0611	12,808.56
Be3130_R	2.735	ug/L	0.0149	0.5440	74.84
Ca3158_R	15680.	ug/L	55.2439	0.3523	9,718.59
Cd2265_A	-1.183	ug/L	0.0422	3.5655	113.73
Co2286_A	32.84	ug/L	0.0607	0.1847	134.25
Cr2677_A	130.1	ug/L	0.6735	0.5175	1,365.68
Cu3273_A	57.41	ug/L	0.4352	0.7580	709.85
Fe2599_R	87610.	ug/L	312.3910	0.3566	188,789.09
K_7664_R	9881.	ug/L	4.5178	0.0457	8,758.60
Li6707_R	108.2	ug/L	0.2025	0.1872	1,997.09
Mg2025_A	22810.	ug/L	47.3174	0.2075	1,698.81
Mn2576_R	2090.	ug/L	2.5605	0.1225	20,327.25
Mo2020_A	.8336	ug/L	0.0448	5.3701	1.44
Na5895_R	1297.	ug/L	3.1807	0.2453	3,604.95
Ni2316_A	100.9	ug/L	0.4229	0.4191	170.90
Pb2203_A	60.04	ug/L	0.8185	1.3633	42.03
Sb2068_A	-1.626	ug/L	0.1034	6.3572	0.76
Se1960_A	-3.009	ug/L	1.2048	40.0389	1.01
Si2516_R	2176.	ug/L	5.7945	0.2663	1,072.24
Sn1899_A	46.24	ug/L	1.6067	3.4745	8.93
Sr4215_R	92.56	ug/L	0.2820	0.3047	9,413.52
Ti3349_A	3917.	ug/L	22.2660	0.5684	109,962.37
Tl1908_A	-.8126	ug/L	0.3639	44.7844	-3.42
V_2924_A	150.1	ug/L	0.0777	0.0518	1,992.65
Zn2062_A	518.8	ug/L	0.3365	0.0649	1,401.52
Pd3404	-7.930	ug/L	0.4590	5.7880	-83.12
Y_3600_R	25177.	Cts/S	179.1224	0.7115	25,176.77
Y_2243_A	6148.2	Cts/S	12.5912	0.2048	6,148.18
Y_3600_A	202650.	Cts/S	222.6865	0.1099	202,650.31

SE2841-005

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:43:52
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.3220	ug/L	0.2250	69.8586	-1,114.72
Al3961_R	107900.	ug/L	604.4952	0.5602	114,347.50
As1891_A	177.8	ug/L	2.0836	1.1719	61.59
Au2427_A	-15.83	ug/L	0.0539	0.3405	52.47
B_2089_A	6.547	ug/L	0.4229	6.4599	8.02
Ba4554_R	269.8	ug/L	0.5115	0.1896	22,341.91
Be3130_R	4.212	ug/L	0.0174	0.4131	-0.07
Ca3158_R	33040.	ug/L	13.4215	0.0406	20,868.89
Cd2265_A	-.4753	ug/L	0.0342	7.1930	205.04
Co2286_A	54.10	ug/L	0.0487	0.0901	224.20
Cr2677_A	287.4	ug/L	0.5651	0.1966	3,005.02
Cu3273_A	126.9	ug/L	1.2344	0.9727	1,569.05
Fe2599_R	146500.	ug/L	447.1242	0.3052	321,382.61
K_7664_R	16640.	ug/L	50.4958	0.3035	15,007.77
Li6707_R	181.7	ug/L	0.4224	0.2325	3,386.56
Mg2025_A	54980.	ug/L	115.9033	0.2108	4,061.85
Mn2576_R	2511.	ug/L	5.0564	0.2013	24,875.00

SE2841-005

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:43:52
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	3.324	ug/L	0.2908	8.7476	6.82
Na5895_R	2289.	ug/L	9.1325	0.3989	6,288.46
Ni2316_A	197.4	ug/L	0.1686	0.0854	332.98
Pb2203_A	118.7	ug/L	0.2384	0.2009	84.56
Sb2068_A	-3.147	ug/L	1.4187	45.0800	1.19
Se1960_A	-1.268	ug/L	2.3921	188.6947	1.77
Si2516_R	2240.	ug/L	9.5404	0.4260	1,121.50
Sn1899_A	54.01	ug/L	0.4995	0.9249	10.15
Sr4215_R	152.1	ug/L	0.6436	0.4231	15,757.68
Ti3349_A	7433.	ug/L	32.9355	0.4431	208,403.62
Tl1908_A	-2.894	ug/L	1.2265	42.3811	-5.80
V_2924_A	323.5	ug/L	2.3097	0.7140	4,298.98
Zn2062_A	461.2	ug/L	1.0278	0.2229	1,233.94
Pd3404	-16.16	ug/L	0.2818	1.7439	-145.75
Y_3600_R	25630.	Cts/S	51.9338	0.2026	25,630.40
Y_2243_A	6092.5	Cts/S	2.1392	0.0351	6,092.53
Y_3600_A	202400.	Cts/S	596.0055	0.2945	202,398.53

SE2841-006

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:48:26
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.472	ug/L	0.0971	6.5961	-784.43
Al3961_R	81390.	ug/L	707.6126	0.8695	85,662.43
As1891_A	62.43	ug/L	0.1771	0.2837	20.56
Au2427_A	-8.232	ug/L	0.0323	0.3928	39.54
B_2089_A	5.308	ug/L	0.0181	0.3401	6.75
Ba4554_R	221.1	ug/L	0.3061	0.1384	18,196.07
Be3130_R	4.269	ug/L	0.0412	0.9638	160.89
Ca3158_R	29250.	ug/L	127.6924	0.4365	18,349.31
Cd2265_A	-.9720	ug/L	0.0554	5.6990	142.90
Co2286_A	31.30	ug/L	0.0086	0.0274	142.48
Cr2677_A	197.6	ug/L	0.2398	0.1213	2,071.78
Cu3273_A	143.0	ug/L	0.7307	0.5111	1,798.86
Fe2599_R	105600.	ug/L	747.7917	0.7080	230,115.48
K_7664_R	14990.	ug/L	14.4720	0.0966	13,427.20
Li6707_R	135.1	ug/L	0.2660	0.1969	2,511.72
Mg2025_A	32510.	ug/L	22.5187	0.0693	2,435.88
Mn2576_R	1441.	ug/L	0.6880	0.0477	14,178.01
Mo2020_A	1.459	ug/L	0.2463	16.8782	2.82
Na5895_R	3389.	ug/L	9.6197	0.2839	9,126.97
Ni2316_A	144.7	ug/L	0.2690	0.1859	247.78
Pb2203_A	83.43	ug/L	0.6295	0.7545	59.51
Sb2068_A	-1.392	ug/L	0.4567	32.8117	1.31
Se1960_A	-3.062	ug/L	0.2239	7.3101	1.11
Si2516_R	2225.	ug/L	4.6442	0.2087	1,108.41
Sn1899_A	47.21	ug/L	1.3604	2.8814	9.14
Sr4215_R	191.1	ug/L	0.4414	0.2310	19,664.11
Ti3349_A	5614.	ug/L	11.5246	0.2053	157,794.84
Tl1908_A	-2.845	ug/L	0.3856	13.5518	-4.68
V_2924_A	213.6	ug/L	0.0127	0.0060	2,853.26
Zn2062_A	542.5	ug/L	1.2499	0.2304	1,472.99
Pd3404	-10.86	ug/L	0.8891	8.1893	-102.41
Y_3600_R	25457.	Cts/S	213.9061	0.8403	25,457.41
Y_2243_A	6180.8	Cts/S	3.4896	0.0565	6,180.79
Y_3600_A	202900.	Cts/S	559.5540	0.2758	202,903.93

SE2841-007

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:52:56
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.531	ug/L	0.3939	25.7374	-670.98
Al3961_R	85880.	ug/L	536.2014	0.6243	90,267.58
As1891_A	29.91	ug/L	1.6627	5.5599	8.87
Au2427_A	-10.88	ug/L	0.9565	8.7905	29.41
B_2089_A	233.6	ug/L	0.4144	0.1774	251.30
Ba4554_R	8274.	ug/L	70.4693	0.8516	678,221.27
Be3130_R	3.336	ug/L	0.0090	0.2710	-198.38
Ca3158_R	13190.	ug/L	31.5298	0.2391	8,250.64
Cd2265_A	-.1829	ug/L	0.0245	13.4082	125.66
Co2286_A	30.14	ug/L	0.1848	0.6132	156.33
Cr2677_A	111.5	ug/L	0.0015	0.0013	1,183.12
Cu3273_A	62.15	ug/L	0.6783	1.0914	743.49
Fe2599_R	87390.	ug/L	140.6147	0.1609	190,151.78
K_7664_R	11080.	ug/L	17.9007	0.1616	9,911.88
Li6707_R	104.9	ug/L	0.5070	0.4834	1,956.32
Mg2025_A	18140.	ug/L	14.0589	0.0775	1,365.39
Mn2576_R	1609.	ug/L	0.1093	0.0068	15,809.28
Mo2020_A	2.560	ug/L	0.0639	2.4963	5.28
Na5895_R	1202.	ug/L	3.2841	0.2732	3,392.23
Ni2316_A	89.28	ug/L	0.0126	0.0142	152.12
Pb2203_A	101.0	ug/L	0.6524	0.6459	73.44
Sb2068_A	-.5099	ug/L	0.3752	73.5862	1.20
Se1960_A	.0893	ug/L	1.1006	1,233.1152	1.78
Si2516_R	4365.	ug/L	43.5477	0.9977	2,167.54
Sn1899_A	50.96	ug/L	2.9448	5.7789	9.83
Sr4215_R	155.0	ug/L	0.7297	0.4709	15,922.88
Ti3349_A	8199.	ug/L	27.7699	0.3387	232,507.43
Tl1908_A	-3.655	ug/L	0.0151	0.4126	-5.98
V_2924_A	175.3	ug/L	1.5108	0.8618	2,377.77
Zn2062_A	365.8	ug/L	0.9947	0.2719	999.11
Pd3404	-14.62	ug/L	0.6728	4.6014	-110.09
Y_3600_R	25421.	Cts/S	50.1011	0.1971	25,421.06
Y_2243_A	6215.5	Cts/S	8.9255	0.1436	6,215.49
Y_3600_A	204710.	Cts/S	55.7333	0.0272	204,712.70

SE2841-008

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:57:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.017	ug/L	0.4777	46.9932	-587.87
Al3961_R	90260.	ug/L	478.3181	0.5300	95,409.47
As1891_A	19.08	ug/L	0.8835	4.6298	5.11
Au2427_A	-8.223	ug/L	0.7621	9.2681	28.28
B_2089_A	196.8	ug/L	0.4205	0.2137	213.31
Ba4554_R	3927.	ug/L	30.0733	0.7659	323,722.03
Be3130_R	4.169	ug/L	0.0368	0.8817	108.58
Ca3158_R	5380.	ug/L	7.9383	0.1475	3,373.71
Cd2265_A	-.4083	ug/L	0.0058	1.4277	107.76
Co2286_A	27.66	ug/L	0.0398	0.1438	134.36
Cr2677_A	77.85	ug/L	0.2585	0.3320	828.33
Cu3273_A	36.33	ug/L	0.3264	0.8983	426.57
Fe2599_R	76350.	ug/L	65.5401	0.0858	167,087.67
K_7664_R	4601.	ug/L	1.9412	0.0422	4,147.32
Li6707_R	85.93	ug/L	0.7665	0.8920	1,619.54
Mg2025_A	11310.	ug/L	44.4469	0.3930	857.00
Mn2576_R	1344.	ug/L	0.8629	0.0642	13,279.51

SE2841-008

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 16:57:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.686	ug/L	0.0752	4.4613	3.37
Na5895_R	546.4	ug/L	0.2099	0.0384	1,685.76
Ni2316_A	63.84	ug/L	0.0965	0.1512	108.53
Pb2203_A	59.54	ug/L	0.8177	1.3734	39.75
Sb2068_A	-2.164	ug/L	2.1462	99.1876	0.32
Se1960_A	-1.414	ug/L	0.2458	17.3836	1.41
Si2516_R	4215.	ug/L	7.3734	0.1749	2,104.99
Sn1899_A	47.13	ug/L	1.2877	2.7320	9.24
Sr4215_R	80.43	ug/L	0.2237	0.2782	8,304.65
Ti3349_A	6038.	ug/L	3.6916	0.0611	171,355.22
Tl1908_A	-2.893	ug/L	0.7142	24.6868	-4.76
V_2924_A	131.7	ug/L	0.4035	0.3065	1,786.82
Zn2062_A	1094.	ug/L	1.3719	0.1254	3,008.85
Pd3404	-11.22	ug/L	2.2032	19.6274	-91.76
Y_3600_R	25567.	Cts/S	0.1662	0.0006	25,567.46
Y_2243_A	6260.1	Cts/S	4.9586	0.0792	6,260.07
Y_3600_A	204860.	Cts/S	95.9494	0.0468	204,862.76

SE2841-009

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:01:59
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.226	ug/L	0.5632	45.9296	-685.77
Al3961_R	84390.	ug/L	552.8258	0.6551	89,050.12
As1891_A	26.87	ug/L	0.1764	0.6564	7.82
Au2427_A	-14.77	ug/L	0.7321	4.9575	32.94
B_2089_A	14.54	ug/L	0.0117	0.0806	16.90
Ba4554_R	788.9	ug/L	4.9487	0.6273	64,959.55
Be3130_R	4.198	ug/L	0.0122	0.2896	192.19
Ca3158_R	9808.	ug/L	52.3613	0.5339	6,154.30
Cd2265_A	-.8175	ug/L	0.0626	7.6525	125.14
Co2286_A	40.94	ug/L	0.1767	0.4316	171.59
Cr2677_A	105.0	ug/L	0.1693	0.1612	1,119.87
Cu3273_A	58.51	ug/L	0.2825	0.4829	723.84
Fe2599_R	90660.	ug/L	341.9499	0.3772	198,025.38
K_7664_R	8624.	ug/L	49.1888	0.5704	7,750.14
Li6707_R	109.7	ug/L	2.1902	1.9957	2,053.18
Mg2025_A	18790.	ug/L	38.1136	0.2028	1,433.71
Mn2576_R	2255.	ug/L	7.7015	0.3416	22,233.68
Mo2020_A	1.636	ug/L	0.0621	3.7927	3.27
Na5895_R	968.4	ug/L	2.8678	0.2961	2,791.33
Ni2316_A	95.50	ug/L	0.4572	0.4787	165.13
Pb2203_A	62.41	ug/L	1.4386	2.3052	43.02
Sb2068_A	-1.759	ug/L	0.2174	12.3589	0.65
Se1960_A	-.1029	ug/L	0.9955	967.5299	1.79
Si2516_R	4228.	ug/L	17.9655	0.4250	2,106.23
Sn1899_A	43.93	ug/L	2.1848	4.9733	8.75
Sr4215_R	67.22	ug/L	0.6269	0.9326	6,925.80
Ti3349_A	5118.	ug/L	28.2318	0.5517	145,657.59
Tl1908_A	-3.055	ug/L	1.1761	38.4929	-5.09
V_2924_A	171.4	ug/L	0.4340	0.2532	2,312.40
Zn2062_A	229.5	ug/L	1.5899	0.6929	635.21
Pd3404	-10.65	ug/L	0.3910	3.6709	-98.24
Y_3600_R	25521.	Cts/S	80.3918	0.3150	25,520.83
Y_2243_A	6299.5	Cts/S	26.6758	0.4235	6,299.47
Y_3600_A	205480.	Cts/S	1,135.4061	0.5526	205,481.54

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:06:27
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	503.0	ug/L	1.9478	0.3872	10,171.27
Al3961_R	12380.	ug/L	12.1884	0.0985	12,855.37
As1891_A	495.9	ug/L	1.5522	0.3130	186.42
Au2427_A	489.3	ug/L	5.4250	1.1088	1,453.65
B_2089_A	492.7	ug/L	0.1543	0.0313	546.33
Ba4554_R	490.5	ug/L	0.3949	0.0805	39,740.12
Be3130_R	508.2	ug/L	0.1411	0.0278	74,485.79
Ca3158_R	12770.	ug/L	122.4419	0.9587	7,887.37
Cd2265_A	505.0	ug/L	0.0671	0.0133	5,542.32
Co2286_A	503.5	ug/L	0.0599	0.0119	1,571.07
Cr2677_A	508.9	ug/L	2.0824	0.4092	5,308.27
Cu3273_A	496.9	ug/L	0.0787	0.0158	6,419.45
Fe2599_R	12670.	ug/L	5.8134	0.0459	27,209.75
K_7664_R	12360.	ug/L	3.1806	0.0257	10,921.27
Li6707_R	485.5	ug/L	0.2186	0.0450	8,791.89
Mg2025_A	12500.	ug/L	51.1117	0.4089	935.62
Mn2576_R	505.2	ug/L	0.1979	0.0392	4,895.38
Mo2020_A	497.9	ug/L	2.2729	0.4565	1,101.19
Na5895_R	12290.	ug/L	7.6795	0.0625	31,985.86
Ni2316_A	506.6	ug/L	0.1460	0.0288	896.82
Pb2203_A	509.0	ug/L	3.2522	0.6389	408.64
Sb2068_A	493.4	ug/L	0.9104	0.1845	210.78
Se1960_A	492.2	ug/L	1.1428	0.2322	110.03
Si2516_R	12460.	ug/L	89.0808	0.7147	6,099.89
Sn1899_A	508.7	ug/L	0.4013	0.0789	87.79
Sr4215_R	488.6	ug/L	1.5597	0.3192	49,606.51
Ti3349_A	503.3	ug/L	1.4495	0.2880	14,147.53
Tl1908_A	503.7	ug/L	1.8389	0.3651	251.47
V_2924_A	506.0	ug/L	1.1734	0.2319	6,641.82
Zn2062_A	510.2	ug/L	0.4221	0.0827	1,385.33
Pd3404	494.7	ug/L	1.7834	0.3605	2,900.90
Y_3600_R	25100.	Cts/S	72.7085	0.2897	25,099.73
Y_2243_A	6185.2	Cts/S	18.1676	0.2937	6,185.18
Y_3600_A	202990.	Cts/S	267.4843	0.1318	202,991.11

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:10:51
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0298	ug/L	0.2755	925.1053	-9.12
Al3961_R	3.522	ug/L	3.1482	89.3769	-9.82
As1891_A	-.8685	ug/L	0.5787	66.6386	-1.06
Au2427_A	.9881	ug/L	0.4841	48.9988	1.06
B_2089_A	.5051	ug/L	0.2640	52.2524	1.63
Ba4554_R	-.1408	ug/L	0.1205	85.6175	33.16
Be3130_R	.0284	ug/L	0.0320	112.5037	3.32
Ca3158_R	-13.32	ug/L	7.4478	55.9339	-27.26
Cd2265_A	.0702	ug/L	0.0102	14.5250	0.17
Co2286_A	.0197	ug/L	0.1669	848.0902	2.55
Cr2677_A	.2499	ug/L	0.1017	40.7157	2.84
Cu3273_A	.3167	ug/L	0.2903	91.6599	15.08
Fe2599_R	4.160	ug/L	2.5281	60.7664	11.07
K_7664_R	19.50	ug/L	3.8081	19.5333	27.74
Li6707_R	-.7098	ug/L	0.4243	59.7760	28.44
Mg2025_A	-.3126	ug/L	1.5896	508.5811	-2.66
Mn2576_R	.3497	ug/L	0.5261	150.4666	0.75

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:10:51
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.6493	ug/L	0.1126	17.3425	1.09
Na5895_R	30.84	ug/L	3.0937	10.0300	325.42
Ni2316_A	.2660	ug/L	0.2825	106.1899	0.48
Pb2203_A	.2529	ug/L	0.0622	24.6054	-0.95
Sb2068_A	.3338	ug/L	0.5425	162.5164	0.49
Se1960_A	-.9417	ug/L	0.1277	13.5611	0.84
Si2516_R	14.73	ug/L	2.1503	14.6017	16.37
Sn1899_A	-1.983	ug/L	1.2474	62.9205	0.78
Sr4215_R	.0116	ug/L	0.1083	932.6782	-13.91
Ti3349_A	-.0347	ug/L	0.0536	154.4981	-13.72
Tl1908_A	.2346	ug/L	0.2017	85.9852	-0.48
V_2924_A	-.0974	ug/L	0.0484	49.7052	0.46
Zn2062_A	-.0829	ug/L	0.0169	20.4405	0.25
Pd3404	1.504	ug/L	0.3878	25.7852	-1.24
Y_3600_R	25290.	Cts/S	153.9725	0.6088	25,290.47
Y_2243_A	6293.5	Cts/S	6.9042	0.1097	6,293.52
Y_3600_A	206680.	Cts/S	495.4608	0.2397	206,680.72

SE2841-009L

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:15:26
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.648	ug/L	1.2021	72.9531	-149.05
Al3961_R	86360.	ug/L	808.6168	0.9364	18,178.05
As1891_A	26.93	ug/L	3.8468	14.2831	0.97
Au2427_A	-9.832	ug/L	0.3040	3.0923	8.59
B_2089_A	15.42	ug/L	2.8727	18.6254	4.44
Ba4554_R	808.0	ug/L	4.0032	0.4954	13,316.95
Be3130_R	4.258	ug/L	0.1089	2.5566	37.43
Ca3158_R	10000.	ug/L	2.2155	0.0221	1,237.92
Cd2265_A	-1.362	ug/L	0.1449	10.6335	24.41
Co2286_A	42.00	ug/L	0.2762	0.6576	37.22
Cr2677_A	109.9	ug/L	1.6343	1.4870	235.35
Cu3273_A	60.61	ug/L	1.4566	2.4033	159.23
Fe2599_R	94220.	ug/L	732.0346	0.7769	41,085.44
K_7664_R	8737.	ug/L	47.7493	0.5465	1,575.82
Li6707_R	105.8	ug/L	3.8714	3.6600	428.59
Mg2025_A	19550.	ug/L	18.3186	0.0937	296.65
Mn2576_R	2330.	ug/L	13.3478	0.5729	4,584.14
Mo2020_A	3.402	ug/L	0.6445	18.9454	1.16
Na5895_R	1061.	ug/L	36.6386	3.4529	803.25
Ni2316_A	97.49	ug/L	0.5034	0.5164	33.73
Pb2203_A	63.82	ug/L	1.6883	2.6455	7.89
Sb2068_A	-4.375	ug/L	0.8027	18.3455	0.19
Se1960_A	-12.33	ug/L	10.4796	85.0086	0.65
Si2516_R	4334.	ug/L	16.0603	0.3705	438.34
Sn1899_A	45.86	ug/L	2.0604	4.4924	2.72
Sr4215_R	69.04	ug/L	0.4946	0.7164	1,407.85
Ti3349_A	5236.	ug/L	26.8492	0.5128	29,893.92
Tl1908_A	-2.904	ug/L	1.9192	66.0799	-1.50
V_2924_A	176.8	ug/L	0.3933	0.2225	480.01
Zn2062_A	236.4	ug/L	0.8012	0.3389	131.45
Pd3404	-2.641	ug/L	2.3476	88.9023	-18.55
Y_3600_R	25473.	Cts/S	206.0097	0.8087	25,472.84
Y_2243_A	6307.9	Cts/S	7.4833	0.1186	6,307.88
Y_3600_A	206180.	Cts/S	663.1722	0.3217	206,176.95

SE2841-009A

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:19:59
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	493.7	ug/L	0.1515	0.0307	9,400.60
Al3961_R	93000.	ug/L	417.3130	0.4487	98,545.53
As1891_A	503.8	ug/L	0.9135	0.1813	186.09
Au2427_A	-16.69	ug/L	0.3450	2.0678	35.12
B_2089_A	478.2	ug/L	0.1173	0.0245	535.45
Ba4554_R	1243.	ug/L	0.1950	0.0157	102,690.44
Be3130_R	507.8	ug/L	1.5453	0.3043	75,547.20
Ca3158_R	14900.	ug/L	42.0148	0.2819	9,398.22
Cd2265_A	480.8	ug/L	0.3519	0.0732	5,453.13
Co2286_A	520.7	ug/L	0.5040	0.0968	1,679.42
Cr2677_A	593.4	ug/L	0.6700	0.1129	6,227.12
Cu3273_A	546.7	ug/L	0.1659	0.0303	7,044.59
Fe2599_R	93560.	ug/L	51.6899	0.0552	205,186.42
K_7664_R	18270.	ug/L	46.3254	0.2535	16,472.97
Li6707_R	603.9	ug/L	0.2781	0.0461	11,153.86
Mg2025_A	23950.	ug/L	94.9277	0.3964	1,813.64
Mn2576_R	2676.	ug/L	5.8586	0.2190	26,485.89
Mo2020_A	479.7	ug/L	0.9606	0.2003	1,071.99
Na5895_R	6428.	ug/L	0.1983	0.0031	17,201.31
Ni2316_A	569.6	ug/L	0.1950	0.0342	1,012.59
Pb2203_A	542.6	ug/L	0.8643	0.1593	433.31
Sb2068_A	473.6	ug/L	0.1573	0.0332	205.48
Se1960_A	476.6	ug/L	0.7609	0.1596	108.70
Si2516_R	4390.	ug/L	9.7023	0.2210	2,198.59
Sn1899_A	43.78	ug/L	0.8215	1.8765	8.65
Sr4215_R	551.1	ug/L	0.1714	0.0311	57,113.38
Ti3349_A	5530.	ug/L	17.2397	0.3118	156,170.81
Tl1908_A	476.5	ug/L	2.9114	0.6110	237.53
V_2924_A	660.2	ug/L	0.7677	0.1163	8,735.94
Zn2062_A	704.5	ug/L	0.2755	0.0391	1,932.97
Pd3404	-10.39	ug/L	0.0392	0.3778	-97.80
Y_3600_R	25622.	Cts/S	0.5038	0.0020	25,622.06
Y_2243_A	6249.9	Cts/S	8.0278	0.1284	6,249.93
Y_3600_A	203880.	Cts/S	47.9387	0.0235	203,880.29

SE2841-009D

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:24:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.4177	ug/L	0.1156	27.6633	-677.14
Al3961_R	79970.	ug/L	132.6366	0.1659	84,445.39
As1891_A	22.33	ug/L	0.5534	2.4781	6.17
Au2427_A	-10.30	ug/L	0.3370	3.2721	35.24
B_2089_A	312.2	ug/L	0.4935	0.1581	339.56
Ba4554_R	7673.	ug/L	135.1830	1.7619	631,860.27
Be3130_R	4.058	ug/L	0.0474	1.1673	-27.98
Ca3158_R	7937.	ug/L	18.6231	0.2346	4,980.61
Cd2265_A	-.6323	ug/L	0.0327	5.1655	119.93
Co2286_A	33.31	ug/L	0.1961	0.5887	163.06
Cr2677_A	97.90	ug/L	0.5599	0.5719	1,038.45
Cu3273_A	54.67	ug/L	0.6904	1.2630	651.36
Fe2599_R	85860.	ug/L	26.8492	0.0313	187,677.58
K_7664_R	7713.	ug/L	33.0856	0.4289	6,938.17
Li6707_R	105.1	ug/L	0.7276	0.6923	1,969.22
Mg2025_A	17060.	ug/L	31.8965	0.1870	1,299.93
Mn2576_R	1811.	ug/L	6.5662	0.3626	17,871.00

SE2841-009D

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:24:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	2.640	ug/L	0.1664	6.3044	5.53
Na5895_R	793.4	ug/L	1.7082	0.2153	2,333.25
Ni2316_A	88.16	ug/L	0.3517	0.3989	152.11
Pb2203_A	59.90	ug/L	0.6645	1.1094	41.13
Sb2068_A	-.8850	ug/L	1.2291	138.8773	0.97
Se1960_A	.3155	ug/L	0.6776	214.7998	1.83
Si2516_R	4493.	ug/L	10.5145	0.2340	2,240.98
Sn1899_A	49.34	ug/L	0.1079	0.2187	9.68
Sr4215_R	90.79	ug/L	0.0694	0.0764	9,366.84
Ti3349_A	7449.	ug/L	46.5482	0.6249	210,906.18
Tl1908_A	-2.340	ug/L	0.8158	34.8636	-5.25
V_2924_A	152.9	ug/L	0.1805	0.1180	2,069.87
Zn2062_A	207.3	ug/L	0.1368	0.0660	573.17
Pd3404	-12.44	ug/L	0.5596	4.4983	-98.79
Y_3600_R	25540.	Cts/S	99.1744	0.3883	25,539.67
Y_2243_A	6292.5	Cts/S	1.4892	0.0237	6,292.54
Y_3600_A	204410.	Cts/S	521.8933	0.2553	204,406.78

SE2841-009S

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:28:57
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	45.80	ug/L	0.1282	0.2798	244.39
Al3961_R	89530.	ug/L	126.7704	0.1416	94,993.02
As1891_A	113.7	ug/L	0.0750	0.0659	42.31
Au2427_A	-14.03	ug/L	0.2540	1.8103	34.70
B_2089_A	434.2	ug/L	0.4539	0.1046	479.80
Ba4554_R	2697.	ug/L	2.6132	0.0969	223,172.39
Be3130_R	52.71	ug/L	0.1994	0.3784	7,373.97
Ca3158_R	13230.	ug/L	13.4188	0.1014	8,354.71
Cd2265_A	224.5	ug/L	0.4104	0.1828	2,614.69
Co2286_A	489.6	ug/L	0.4094	0.0836	1,588.78
Cr2677_A	292.5	ug/L	0.4180	0.1429	3,066.20
Cu3273_A	286.7	ug/L	0.5758	0.2008	3,657.57
Fe2599_R	88240.	ug/L	120.0695	0.1361	193,788.38
K_7664_R	18420.	ug/L	51.2228	0.2781	16,628.74
Li6707_R	564.7	ug/L	1.5391	0.2725	10,447.75
Mg2025_A	23750.	ug/L	193.3785	0.8141	1,801.05
Mn2576_R	2360.	ug/L	0.4972	0.0211	23,392.22
Mo2020_A	261.2	ug/L	0.2590	0.0991	584.22
Na5895_R	8006.	ug/L	16.2650	0.2031	21,396.50
Ni2316_A	549.2	ug/L	0.6488	0.1181	976.73
Pb2203_A	148.7	ug/L	0.5931	0.3988	112.64
Sb2068_A	39.85	ug/L	1.4352	3.6013	19.02
Se1960_A	88.74	ug/L	1.3475	1.5185	21.55
Si2516_R	6623.	ug/L	15.8883	0.2399	3,316.13
Sn1899_A	516.3	ug/L	1.4367	0.2783	90.12
Sr4215_R	531.0	ug/L	0.5744	0.1082	55,116.03
Ti3349_A	6286.	ug/L	7.8231	0.1245	177,016.11
Tl1908_A	85.71	ug/L	1.1621	1.3558	40.17
V_2924_A	626.3	ug/L	1.6830	0.2687	8,297.99
Zn2062_A	681.0	ug/L	1.4819	0.2176	1,871.74
Pd3404	233.6	ug/L	0.1558	0.0667	1,348.16
Y_3600_R	25660.	Cts/S	18.8101	0.0733	25,659.76
Y_2243_A	6257.5	Cts/S	12.2779	0.1962	6,257.49
Y_3600_A	203300.	Cts/S	274.8997	0.1352	203,298.36

SE2841-010

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:33:24
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.3850	ug/L	0.1252	32.5120	-638.45
Al3961_R	85670.	ug/L	80.1585	0.0936	91,018.60
As1891_A	25.53	ug/L	0.0799	0.3131	7.46
Au2427_A	-9.954	ug/L	0.2059	2.0687	33.07
B_2089_A	262.4	ug/L	0.4314	0.1644	285.13
Ba4554_R	8403.	ug/L	13.5554	0.1613	696,256.47
Be3130_R	3.795	ug/L	0.0292	0.7704	-34.62
Ca3158_R	12090.	ug/L	52.4044	0.4333	7,646.22
Cd2265_A	-.4725	ug/L	0.0187	3.9485	114.25
Co2286_A	30.00	ug/L	0.0424	0.1412	149.44
Cr2677_A	94.22	ug/L	0.5348	0.5676	997.49
Cu3273_A	51.42	ug/L	0.5521	1.0737	611.82
Fe2599_R	80970.	ug/L	27.9989	0.0346	178,082.27
K_7664_R	6850.	ug/L	18.8389	0.2750	6,200.33
Li6707_R	92.71	ug/L	0.7602	0.8200	1,752.86
Mg2025_A	15610.	ug/L	69.1450	0.4430	1,186.95
Mn2576_R	1738.	ug/L	5.2740	0.3035	17,256.07
Mo2020_A	2.538	ug/L	0.0460	1.8134	5.29
Na5895_R	958.3	ug/L	1.5350	0.1602	2,783.99
Ni2316_A	78.58	ug/L	0.1835	0.2335	135.01
Pb2203_A	89.71	ug/L	1.3797	1.5379	64.99
Sb2068_A	-.0334	ug/L	0.5176	1,551.0402	1.31
Se1960_A	.2629	ug/L	1.0921	415.4539	1.81
Si2516_R	4842.	ug/L	18.1939	0.3758	2,429.55
Sn1899_A	49.36	ug/L	0.4142	0.8391	9.66
Sr4215_R	133.9	ug/L	0.1191	0.0890	13,902.68
Ti3349_A	7065.	ug/L	0.9588	0.0136	199,684.16
Tl1908_A	-1.951	ug/L	0.5477	28.0700	-4.86
V_2924_A	156.9	ug/L	0.0101	0.0065	2,117.75
Zn2062_A	238.2	ug/L	0.7938	0.3332	657.59
Pd3404	-11.55	ug/L	0.7550	6.5356	-92.41
Y_3600_R	25697.	Cts/S	125.8641	0.4898	25,696.90
Y_2243_A	6281.2	Cts/S	1.1398	0.0181	6,281.16
Y_3600_A	204050.	Cts/S	192.0650	0.0941	204,050.63

SE2841-011

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:37:56
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.1222	ug/L	0.1801	147.3763	-560.47
Al3961_R	81880.	ug/L	647.8408	0.7912	86,874.12
As1891_A	19.49	ug/L	0.1740	0.8928	5.40
Au2427_A	-6.753	ug/L	0.8462	12.5308	28.82
B_2089_A	83.89	ug/L	0.2707	0.3227	92.31
Ba4554_R	2338.	ug/L	2.1389	0.0915	193,533.39
Be3130_R	3.984	ug/L	0.0112	0.2800	201.37
Ca3158_R	5826.	ug/L	29.1178	0.4998	3,668.17
Cd2265_A	-.8403	ug/L	0.0105	1.2463	96.65
Co2286_A	26.90	ug/L	0.1670	0.6207	123.11
Cr2677_A	74.64	ug/L	0.4022	0.5388	790.71
Cu3273_A	39.56	ug/L	0.0564	0.1425	478.71
Fe2599_R	71580.	ug/L	469.4154	0.6558	157,215.45
K_7664_R	4726.	ug/L	7.0439	0.1490	4,276.04
Li6707_R	78.57	ug/L	0.2393	0.3046	1,490.00
Mg2025_A	11810.	ug/L	49.8935	0.4224	901.50
Mn2576_R	1231.	ug/L	9.6567	0.7846	12,204.83

SE2841-011

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:37:56
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	2.004	ug/L	0.1596	7.9652	4.12
Na5895_R	581.0	ug/L	0.3012	0.0518	1,783.61
Ni2316_A	63.79	ug/L	0.2580	0.4045	109.63
Pb2203_A	63.44	ug/L	0.5368	0.8463	44.06
Sb2068_A	-1.216	ug/L	0.0255	2.0970	0.67
Se1960_A	.7532	ug/L	0.5452	72.3823	1.86
Si2516_R	4723.	ug/L	7.6438	0.1619	2,366.14
Sn1899_A	48.48	ug/L	1.3590	2.8033	9.55
Sr4215_R	113.0	ug/L	0.0473	0.0419	11,720.85
Ti3349_A	4638.	ug/L	19.2952	0.4160	131,063.78
Tl1908_A	-2.063	ug/L	0.1057	5.1249	-3.86
V_2924_A	127.3	ug/L	0.5225	0.4104	1,715.29
Zn2062_A	176.3	ug/L	0.4151	0.2355	488.74
Pd3404	-8.635	ug/L	1.1515	13.3349	-78.25
Y_3600_R	25663.	Cts/S	97.3660	0.3794	25,663.16
Y_2243_A	6308.6	Cts/S	1.6777	0.0266	6,308.57
Y_3600_A	204020.	Cts/S	145.6175	0.0714	204,016.88

SE2841-012

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:42:25
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-5.979	ug/L	0.4071	6.8077	-928.08
Al3961_R	84600.	ug/L	309.1627	0.3654	90,059.50
As1891_A	25.71	ug/L	1.3208	5.1367	7.14
Au2427_A	-10.65	ug/L	1.0114	9.4976	38.34
B_2089_A	1163.	ug/L	0.2403	0.0207	1,249.71
Ba4554_R	F 50100.	ug/L	658.8156	1.3149	4,158,901.32
Be3130_R	3.633	ug/L	0.0559	1.5401	-1,563.58
Ca3158_R	30510.	ug/L	282.9913	0.9275	19,354.97
Cd2265_A	2.835	ug/L	0.0655	2.3101	162.97
Co2286_A	37.05	ug/L	0.0045	0.0120	289.71
Cr2677_A	118.5	ug/L	0.6452	0.5445	1,240.45
Cu3273_A	57.70	ug/L	0.2350	0.4074	542.69
Fe2599_R	89950.	ug/L	222.0775	0.2469	198,211.32
K_7664_R	11110.	ug/L	11.5659	0.1041	10,066.85
Li6707_R	116.6	ug/L	0.2358	0.2022	2,198.75
Mg2025_A	23520.	ug/L	66.1125	0.2811	1,776.32
Mn2576_R	1959.	ug/L	1.1250	0.0574	19,482.96
Mo2020_A	1.280	ug/L	0.1496	11.6872	2.43
Na5895_R	2860.	ug/L	3.0440	0.1064	7,828.15
Ni2316_A	92.17	ug/L	0.0492	0.0533	157.41
Pb2203_A	433.5	ug/L	0.7146	0.1648	343.16
Sb2068_A	1.098	ug/L	0.4880	44.4441	1.91
Se1960_A	-2.928	ug/L	0.6452	22.0388	1.14
Si2516_R	4236.	ug/L	19.0120	0.4488	2,138.59
Sn1899_A	70.10	ug/L	1.4481	2.0657	13.14
Sr4215_R	891.2	ug/L	2.0775	0.2331	92,816.86
Ti3349_A	F 24560.	ug/L	70.6594	0.2877	687,222.84
Tl1908_A	-6.666	ug/L	1.4966	22.4512	-12.95
V_2924_A	198.5	ug/L	0.1230	0.0620	2,731.33
Zn2062_A	1346.	ug/L	0.2664	0.0198	3,683.69
Pd3404	-34.31	ug/L	0.7856	2.2895	-175.58
Y_3600_R	25746.	Cts/S	198.6056	0.7714	25,745.69
Y_2243_A	6229.7	Cts/S	0.4215	0.0068	6,229.69
Y_3600_A	201980.	Cts/S	359.5516	0.1780	201,983.63

SE2841-013

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:47:03
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.3146	ug/L	0.0419	13.3181	-603.88
Al3961_R	76820.	ug/L	98.6355	0.1284	81,534.05
As1891_A	23.43	ug/L	1.1668	4.9807	6.75
Au2427_A	-13.41	ug/L	0.7526	5.6124	32.54
B_2089_A	142.0	ug/L	0.1973	0.1390	155.61
Ba4554_R	4302.	ug/L	24.4329	0.5679	356,110.46
Be3130_R	3.702	ug/L	0.0055	0.1479	55.68
Ca3158_R	9224.	ug/L	18.6724	0.2024	5,820.94
Cd2265_A	-.6571	ug/L	0.0072	1.0917	107.68
Co2286_A	33.80	ug/L	0.0783	0.2318	153.74
Cr2677_A	86.13	ug/L	0.1815	0.2107	907.54
Cu3273_A	51.52	ug/L	0.2754	0.5344	619.75
Fe2599_R	77540.	ug/L	206.2157	0.2660	170,363.74
K_7664_R	7503.	ug/L	54.4143	0.7252	6,783.98
Li6707_R	94.08	ug/L	1.6425	1.7459	1,776.24
Mg2025_A	15990.	ug/L	25.5315	0.1596	1,222.86
Mn2576_R	2251.	ug/L	12.5887	0.5593	22,321.17
Mo2020_A	2.018	ug/L	0.1219	6.0433	4.15
Na5895_R	796.0	ug/L	3.8311	0.4813	2,352.16
Ni2316_A	76.99	ug/L	0.1205	0.1566	133.12
Pb2203_A	61.01	ug/L	0.0130	0.0213	42.52
Sb2068_A	-.6752	ug/L	1.4314	211.9804	0.96
Se1960_A	.2054	ug/L	1.0621	517.0468	1.79
Si2516_R	4827.	ug/L	0.4344	0.0090	2,419.42
Sn1899_A	46.52	ug/L	0.1910	0.4105	9.22
Sr4215_R	86.20	ug/L	0.4324	0.5017	8,937.25
Ti3349_A	5848.	ug/L	9.3961	0.1607	164,292.75
Tl1908_A	-3.202	ug/L	0.5730	17.8946	-5.40
V_2924_A	149.3	ug/L	0.0278	0.0186	1,992.17
Zn2062_A	207.9	ug/L	0.0043	0.0021	576.98
Pd3404	-11.39	ug/L	0.2648	2.3246	-93.53
Y_3600_R	25671.	Cts/S	52.3978	0.2041	25,670.59
Y_2243_A	6315.0	Cts/S	14.3986	0.2280	6,314.96
Y_3600_A	202820.	Cts/S	61.1407	0.0301	202,820.89

SE2841-014

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:51:36
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	5.987	ug/L	0.2477	4.1377	-858.00
Al3961_R	139400.	ug/L	851.2076	0.6107	147,416.81
As1891_A	135.8	ug/L	0.2008	0.1478	47.54
Au2427_A	-8.079	ug/L	0.6802	8.4190	51.99
B_2089_A	8.394	ug/L	0.1070	1.2743	10.07
Ba4554_R	504.8	ug/L	0.7434	0.1473	41,675.50
Be3130_R	4.582	ug/L	0.0322	0.7031	76.98
Ca3158_R	42960.	ug/L	118.2902	0.2753	27,086.75
Cd2265_A	6.235	ug/L	0.2045	3.2803	256.41
Co2286_A	44.32	ug/L	0.1047	0.2362	195.18
Cr2677_A	251.6	ug/L	0.1886	0.0750	2,599.38
Cu3273_A	420.2	ug/L	0.4742	0.1129	5,285.28
Fe2599_R	128700.	ug/L	441.2167	0.3428	281,839.03
K_7664_R	28370.	ug/L	76.9219	0.2711	25,531.01
Li6707_R	158.8	ug/L	0.1664	0.1048	2,958.78
Mg2025_A	41710.	ug/L	249.8980	0.5991	3,137.54
Mn2576_R	1619.	ug/L	7.3007	0.4511	16,004.12

SE2841-014

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:51:36
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.348	ug/L	0.1756	13.0313	2.58
Na5895_R	4333.	ug/L	10.5500	0.2435	11,657.87
Ni2316_A	196.4	ug/L	0.4010	0.2042	338.72
Pb2203_A	93.28	ug/L	0.7483	0.8022	62.76
Sb2068_A	-.2760	ug/L	0.1253	45.3966	2.31
Se1960_A	.0409	ug/L	0.1161	284.1157	2.10
Si2516_R	3174.	ug/L	21.4878	0.6770	1,585.36
Sn1899_A	177.4	ug/L	2.5072	1.4135	31.43
Sr4215_R	235.0	ug/L	0.4556	0.1939	24,302.91
Ti3349_A	7161.	ug/L	19.4730	0.2719	198,437.29
Tl1908_A	-2.043	ug/L	0.0688	3.3667	-4.82
V_2924_A	253.8	ug/L	0.8666	0.3414	3,346.51
Zn2062_A	350.7	ug/L	0.4702	0.1341	955.69
Pd3404	-10.46	ug/L	0.2441	2.3343	-103.73
Y_3600_R	25581.	Cts/S	172.8698	0.6758	25,580.92
Y_2243_A	6204.9	Cts/S	1.9702	0.0318	6,204.88
Y_3600_A	200050.	Cts/S	179.4192	0.0897	200,049.92

SE2841-015

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 17:56:04
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	2.167	ug/L	0.2003	9.2406	-1,375.39
Al3961_R	151000.	ug/L	877.9554	0.5814	161,020.48
As1891_A	92.03	ug/L	0.0312	0.0339	30.25
Au2427_A	-19.12	ug/L	0.1322	0.6914	75.96
B_2089_A	135.1	ug/L	0.3152	0.2333	145.47
Ba4554_R	4396.	ug/L	41.6239	0.9469	365,527.78
Be3130_R	5.263	ug/L	0.0163	0.3103	-180.87
Ca3158_R	35380.	ug/L	212.3502	0.6002	22,482.79
Cd2265_A	110.6	ug/L	0.0007	0.0006	1,486.67
Co2286_A	80.84	ug/L	0.0659	0.0815	340.20
Cr2677_A	402.2	ug/L	1.0617	0.2640	4,141.93
Cu3273_A	1292.	ug/L	0.5596	0.0433	16,286.58
Fe2599_R	187000.	ug/L	658.4956	0.3521	412,832.17
K_7664_R	40330.	ug/L	33.7901	0.0838	36,588.48
Li6707_R	249.3	ug/L	0.7201	0.2889	4,658.41
Mg2025_A	62610.	ug/L	69.9655	0.1118	4,707.20
Mn2576_R	3397.	ug/L	4.9700	0.1463	33,852.66
Mo2020_A	3.021	ug/L	0.1361	4.5059	6.24
Na5895_R	3705.	ug/L	4.6854	0.1265	10,086.13
Ni2316_A	246.6	ug/L	0.6775	0.2747	423.09
Pb2203_A	427.9	ug/L	0.9353	0.2186	332.63
Sb2068_A	.7407	ug/L	1.0093	136.2669	3.68
Se1960_A	.5659	ug/L	0.6958	122.9486	2.56
Si2516_R	3083.	ug/L	25.7026	0.8336	1,551.47
Sn1899_A	73.34	ug/L	0.6908	0.9418	13.63
Sr4215_R	244.3	ug/L	0.2683	0.1098	25,476.74
Ti3349_A	11400.	ug/L	42.3327	0.3713	315,002.98
Tl1908_A	-4.028	ug/L	0.5097	12.6558	-8.12
V_2924_A	463.7	ug/L	1.7638	0.3804	6,074.34
Zn2062_A	702.5	ug/L	0.8347	0.1188	1,912.66
Pd3404	-19.01	ug/L	1.0181	5.3551	-165.61
Y_3600_R	25789.	Cts/S	85.2773	0.3307	25,788.70
Y_2243_A	6200.0	Cts/S	4.8111	0.0776	6,200.01
Y_3600_A	199440.	Cts/S	12.3893	0.0062	199,435.33

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:00:49
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	518.4	ug/L	1.6547	0.3192	10,333.42
Al3961_R	12590.	ug/L	58.8208	0.4671	13,127.19
As1891_A	498.2	ug/L	1.6059	0.3223	188.84
Au2427_A	498.8	ug/L	4.9871	0.9998	1,493.81
B_2089_A	489.4	ug/L	0.2615	0.0534	546.86
Ba4554_R	493.6	ug/L	0.5270	0.1068	40,125.56
Be3130_R	512.2	ug/L	2.2373	0.4368	75,322.72
Ca3158_R	W 13650.	ug/L	28.9901	0.2124	8,458.43
Cd2265_A	515.3	ug/L	0.9970	0.1935	5,701.32
Co2286_A	500.0	ug/L	0.6783	0.1357	1,572.73
Cr2677_A	508.8	ug/L	0.7493	0.1473	5,231.04
Cu3273_A	496.9	ug/L	1.1537	0.2322	6,327.30
Fe2599_R	12700.	ug/L	38.8861	0.3063	27,370.68
K_7664_R	12480.	ug/L	10.4174	0.0835	11,061.10
Li6707_R	489.1	ug/L	0.6579	0.1345	8,886.96
Mg2025_A	13130.	ug/L	71.5675	0.5449	991.17
Mn2576_R	501.1	ug/L	0.3103	0.0619	4,872.98
Mo2020_A	490.5	ug/L	1.7988	0.3667	1,093.68
Na5895_R	12490.	ug/L	15.9654	0.1278	32,633.78
Ni2316_A	511.4	ug/L	0.6003	0.1174	912.61
Pb2203_A	498.3	ug/L	0.4665	0.0936	403.21
Sb2068_A	491.9	ug/L	1.3165	0.2676	211.86
Se1960_A	490.9	ug/L	2.5933	0.5283	110.62
Si2516_R	12850.	ug/L	97.4272	0.7580	6,311.38
Sn1899_A	W 544.6	ug/L	3.8826	0.7129	94.68
Sr4215_R	499.3	ug/L	0.8904	0.1783	50,861.93
Ti3349_A	521.4	ug/L	2.5468	0.4885	14,445.29
Tl1908_A	497.5	ug/L	2.4840	0.4993	250.38
V_2924_A	518.9	ug/L	2.0768	0.4002	6,715.62
Zn2062_A	509.4	ug/L	0.3175	0.0623	1,394.48
Pd3404	503.5	ug/L	0.8164	0.1622	2,910.05
Y_3600_R	25186.	Cts/S	7.5692	0.0301	25,185.87
Y_2243_A	6235.5	Cts/S	16.5168	0.2649	6,235.53
Y_3600_A	200060.	Cts/S	619.5599	0.3097	200,060.76

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:05:12
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2627	ug/L	0.1339	50.9809	-15.04
Al3961_R	10.48	ug/L	6.5807	62.8196	-2.54
As1891_A	-.8416	ug/L	0.0289	3.4292	-1.05
Au2427_A	.9356	ug/L	0.9044	96.6630	0.90
B_2089_A	.7242	ug/L	0.0305	4.2111	1.88
Ba4554_R	-.0023	ug/L	0.0485	2,130.0600	44.53
Be3130_R	-.0120	ug/L	0.0157	130.8313	-2.69
Ca3158_R	1.333	ug/L	5.6655	424.9639	-18.15
Cd2265_A	.0209	ug/L	0.0025	12.1467	-0.38
Co2286_A	.0402	ug/L	0.1269	315.3551	2.62
Cr2677_A	.2217	ug/L	0.3261	147.0506	2.52
Cu3273_A	.3354	ug/L	0.0437	13.0246	15.15
Fe2599_R	6.274	ug/L	2.5855	41.2095	15.65
K_7664_R	94.58	ug/L	5.5006	5.8158	94.61
Li6707_R	-2.413	ug/L	1.3169	54.5657	-2.43
Mg2025_A	.3322	ug/L	2.8325	852.7164	-2.61
Mn2576_R	.2655	ug/L	0.3757	141.5231	-0.10

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:05:12
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.7574	ug/L	0.1220	16.1139	1.34
Na5895_R	53.93	ug/L	1.2086	2.2410	385.90
Ni2316_A	-.2128	ug/L	0.1535	72.1115	-0.38
Pb2203_A	-.4250	ug/L	0.9352	220.0604	-1.50
Sb2068_A	-.3939	ug/L	0.9483	240.7473	0.18
Se1960_A	-2.980	ug/L	1.1573	38.8294	0.38
Si2516_R	11.26	ug/L	4.7379	42.0847	14.68
Sn1899_A	-.1101	ug/L	1.6974	1,541.2413	1.10
Sr4215_R	-.0108	ug/L	0.0020	18.3264	-16.25
Ti3349_A	.2681	ug/L	0.0931	34.7386	-4.99
Tl1908_A	-.0280	ug/L	0.7224	2,579.8815	-0.62
V_2924_A	-.0056	ug/L	0.0139	249.8504	1.67
Zn2062_A	-.0104	ug/L	0.0795	766.5487	0.45
Pd3404	1.032	ug/L	0.3788	36.6890	-4.03
Y_3600_R	25317.	Cts/S	108.0925	0.4270	25,316.88
Y_2243_A	6295.2	Cts/S	7.2477	0.1151	6,295.17
Y_3600_A	204260.	Cts/S	475.7874	0.2329	204,257.09

SE2841-016

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:09:47
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2389	ug/L	0.4644	194.4074	-879.24
Al3961_R	100300.	ug/L	919.9261	0.9174	107,160.54
As1891_A	97.28	ug/L	0.1869	0.1922	33.53
Au2427_A	-10.56	ug/L	2.0137	19.0601	42.95
B_2089_A	4.962	ug/L	0.4644	9.3592	6.40
Ba4554_R	366.7	ug/L	0.3236	0.0883	30,604.59
Be3130_R	4.035	ug/L	0.0449	1.1138	137.10
Ca3158_R	26720.	ug/L	138.2724	0.5175	17,013.99
Cd2265_A	-1.039	ug/L	0.0357	3.4350	156.60
Co2286_A	47.07	ug/L	0.1135	0.2411	192.38
Cr2677_A	234.0	ug/L	0.1141	0.0488	2,432.87
Cu3273_A	139.8	ug/L	0.7989	0.5714	1,744.43
Fe2599_R	114800.	ug/L	511.1655	0.4451	254,042.84
K_7664_R	18170.	ug/L	13.1655	0.0725	16,526.13
Li6707_R	142.5	ug/L	0.5254	0.3687	2,687.18
Mg2025_A	38190.	ug/L	5.6219	0.0147	2,879.65
Mn2576_R	1769.	ug/L	2.9331	0.1658	17,669.65
Mo2020_A	1.110	ug/L	0.3953	35.6112	2.07
Na5895_R	2399.	ug/L	5.9695	0.2488	6,634.10
Ni2316_A	180.1	ug/L	0.9019	0.5007	311.69
Pb2203_A	66.13	ug/L	1.3875	2.0981	44.27
Sb2068_A	-2.069	ug/L	0.3867	18.6869	1.32
Se1960_A	-.8224	ug/L	0.0803	9.7586	1.73
Si2516_R	2532.	ug/L	7.2610	0.2867	1,279.13
Sn1899_A	47.39	ug/L	1.4225	3.0017	9.23
Sr4215_R	216.8	ug/L	0.2889	0.1332	22,660.17
Ti3349_A	5508.	ug/L	7.3404	0.1333	153,572.66
Tl1908_A	-1.458	ug/L	0.1467	10.0646	-4.12
V_2924_A	210.1	ug/L	0.1504	0.0716	2,781.44
Zn2062_A	257.1	ug/L	0.0117	0.0045	702.25
Pd3404	-9.320	ug/L	0.2500	2.6826	-97.05
Y_3600_R	25846.	Cts/S	138.3988	0.5355	25,845.66
Y_2243_A	6220.1	Cts/S	0.0487	0.0008	6,220.07
Y_3600_A	201300.	Cts/S	173.8689	0.0864	201,301.50

SE2841-017

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:14:15
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-1.575	ug/L	0.5377	34.1440	-1,116.13
Al3961_R	131500.	ug/L	881.9658	0.6709	141,217.49
As1891_A	131.5	ug/L	0.9849	0.7489	45.78
Au2427_A	-13.27	ug/L	0.1417	1.0682	55.48
B_2089_A	6.070	ug/L	0.0773	1.2734	7.65
Ba4554_R	402.4	ug/L	0.0260	0.0065	33,754.06
Be3130_R	4.962	ug/L	0.0441	0.8894	41.66
Ca3158_R	38430.	ug/L	164.9270	0.4292	24,605.04
Cd2265_A	-.0263	ug/L	0.0022	8.1899	207.00
Co2286_A	61.39	ug/L	0.0985	0.1604	256.93
Cr2677_A	325.3	ug/L	0.5068	0.1558	3,378.90
Cu3273_A	158.5	ug/L	0.2207	0.1392	1,958.12
Fe2599_R	141700.	ug/L	657.2065	0.4640	314,987.21
K_7664_R	29450.	ug/L	75.0292	0.2548	26,918.31
Li6707_R	160.8	ug/L	0.5578	0.3469	3,042.70
Mg2025_A	56030.	ug/L	103.9761	0.1856	4,224.39
Mn2576_R	2312.	ug/L	7.3408	0.3175	23,213.51
Mo2020_A	2.743	ug/L	0.0156	0.5701	5.70
Na5895_R	3895.	ug/L	6.1644	0.1583	10,669.67
Ni2316_A	260.1	ug/L	0.3797	0.1460	451.67
Pb2203_A	118.5	ug/L	1.1188	0.9438	84.10
Sb2068_A	-1.541	ug/L	0.1248	8.0974	2.18
Se1960_A	.7162	ug/L	1.0229	142.8241	2.31
Si2516_R	2610.	ug/L	28.8895	1.1067	1,324.99
Sn1899_A	54.67	ug/L	0.1758	0.3216	10.47
Sr4215_R	235.3	ug/L	0.0136	0.0058	24,715.70
Ti3349_A	8250.	ug/L	22.6271	0.2743	229,955.61
Tl1908_A	-3.421	ug/L	0.2852	8.3365	-6.28
V_2924_A	270.8	ug/L	0.0154	0.0057	3,587.17
Zn2062_A	373.7	ug/L	0.3503	0.0937	1,020.27
Pd3404	-15.42	ug/L	1.1472	7.4410	-135.92
Y_3600_R	25982.	Cts/S	242.4666	0.9332	25,981.50
Y_2243_A	6217.7	Cts/S	4.5451	0.0731	6,217.71
Y_3600_A	201220.	Cts/S	416.2193	0.2069	201,215.89

SE2841-018

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:18:50
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	29.93	ug/L	0.5744	1.9194	-1,201.57
Al3961_R	197000.	ug/L	1,185.2657	0.6016	210,828.45
As1891_A	101.4	ug/L	1.3499	1.3316	32.93
Au2427_A	-30.89	ug/L	1.5411	4.9883	93.79
B_2089_A	89.48	ug/L	0.4926	0.5505	97.02
Ba4554_R	1589.	ug/L	3.4958	0.2201	132,601.70
Be3130_R	5.074	ug/L	0.0273	0.5372	-165.64
Ca3158_R	38470.	ug/L	265.4329	0.6900	24,535.36
Cd2265_A	111.7	ug/L	0.2449	0.2192	1,578.24
Co2286_A	98.21	ug/L	0.3830	0.3900	394.21
Cr2677_A	593.2	ug/L	1.0978	0.1851	6,140.99
Cu3273_A	2910.	ug/L	1.7574	0.0604	37,014.88
Fe2599_R	239800.	ug/L	1,539.5951	0.6421	531,119.06
K_7664_R	47720.	ug/L	154.2327	0.3232	43,436.35
Li6707_R	297.6	ug/L	1.5777	0.5301	5,574.18
Mg2025_A	92550.	ug/L	45.4894	0.0492	6,969.87
Mn2576_R	5050.	ug/L	18.3250	0.3629	50,504.63

SE2841-018

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:18:50
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	6.848	ug/L	0.2911	4.2515	14.70
Na5895_R	2161.	ug/L	3.2487	0.1503	6,008.13
Ni2316_A	272.1	ug/L	1.1461	0.4212	465.13
Pb2203_A	722.8	ug/L	0.0309	0.0043	568.60
Sb2068_A	16.39	ug/L	2.9511	18.0011	11.56
Se1960_A	.6320	ug/L	1.5204	240.5712	3.01
Si2516_R	2731.	ug/L	9.6375	0.3530	1,375.95
Sn1899_A	116.9	ug/L	0.7955	0.6807	21.10
Sr4215_R	172.4	ug/L	0.3336	0.1935	18,036.41
Ti3349_A	10950.	ug/L	10.8782	0.0994	304,121.23
Tl1908_A	-4.371	ug/L	0.7741	17.7089	-8.96
V_2924_A	685.7	ug/L	0.1073	0.0156	8,999.47
Zn2062_A	2070.	ug/L	0.5562	0.0269	5,646.50
Pd3404	-20.35	ug/L	0.9561	4.6988	-198.85
Y_3600_R	25880.	Cts/S	23.2220	0.0897	25,880.20
Y_2243_A	6209.1	Cts/S	4.7938	0.0772	6,209.11
Y_3600_A	200590.	Cts/S	282.6289	0.1409	200,585.51

SE2841-019

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:23:25
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	2.497	ug/L	0.4060	16.2601	-654.68
Al3961_R	77320.	ug/L	168.8821	0.2184	80,676.85
As1891_A	70.78	ug/L	0.3091	0.4367	24.24
Au2427_A	-8.335	ug/L	0.0558	0.6689	32.71
B_2089_A	6.603	ug/L	0.2680	4.0586	8.26
Ba4554_R	247.9	ug/L	1.6736	0.6752	20,211.32
Be3130_R	3.099	ug/L	0.0108	0.3501	25.61
Ca3158_R	20090.	ug/L	59.6968	0.2971	12,487.36
Cd2265_A	9.860	ug/L	0.0265	0.2688	244.38
Co2286_A	34.67	ug/L	0.2180	0.6289	151.31
Cr2677_A	159.1	ug/L	1.2322	0.7745	1,659.93
Cu3273_A	312.2	ug/L	3.5967	1.1522	3,966.31
Fe2599_R	91570.	ug/L	547.7716	0.5982	197,777.08
K_7664_R	12490.	ug/L	156.5797	1.2536	11,094.38
Li6707_R	105.6	ug/L	1.3647	1.2925	1,954.51
Mg2025_A	23630.	ug/L	152.7376	0.6463	1,795.74
Mn2576_R	1331.	ug/L	10.4638	0.7862	12,980.37
Mo2020_A	1.827	ug/L	0.1021	5.5897	3.70
Na5895_R	1979.	ug/L	10.4330	0.5271	5,385.53
Ni2316_A	128.6	ug/L	0.2245	0.1746	223.68
Pb2203_A	113.6	ug/L	0.0373	0.0329	85.35
Sb2068_A	2.015	ug/L	0.8803	43.6869	2.54
Se1960_A	-1.496	ug/L	2.1143	141.3435	1.40
Si2516_R	2573.	ug/L	25.6006	0.9951	1,269.78
Sn1899_A	53.21	ug/L	2.7895	5.2426	10.31
Sr4215_R	135.5	ug/L	0.6347	0.4685	13,816.17
Ti3349_A	5145.	ug/L	40.8883	0.7948	143,847.95
Tl1908_A	-1.354	ug/L	0.3590	26.5049	-3.73
V_2924_A	169.6	ug/L	0.8134	0.4796	2,256.84
Zn2062_A	350.7	ug/L	0.1007	0.0287	966.42
Pd3404	-9.818	ug/L	0.4774	4.8625	-91.29
Y_3600_R	25235.	Cts/S	142.4990	0.5647	25,234.98
Y_2243_A	6271.8	Cts/S	2.0701	0.0330	6,271.82
Y_3600_A	201860.	Cts/S	1,029.8140	0.5102	201,858.12

SE2841-020

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:27:53
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.326	ug/L	0.2889	21.7887	-861.63
Al3961_R	75460.	ug/L	286.3261	0.3794	79,660.72
As1891_A	82.36	ug/L	1.5220	1.8479	28.12
Au2427_A	-8.382	ug/L	0.5666	6.7597	44.61
B_2089_A	4.073	ug/L	0.1486	3.6484	5.51
Ba4554_R	300.8	ug/L	0.5227	0.1738	24,810.77
Be3130_R	3.553	ug/L	0.0172	0.4843	134.55
Ca3158_R	19480.	ug/L	29.4173	0.1510	12,250.12
Cd2265_A	-1.287	ug/L	0.0560	4.3501	157.33
Co2286_A	51.28	ug/L	0.0476	0.0929	201.34
Cr2677_A	194.9	ug/L	0.4022	0.2063	2,046.02
Cu3273_A	189.4	ug/L	0.7183	0.3793	2,405.89
Fe2599_R	116400.	ug/L	485.1045	0.4166	254,478.02
K_7664_R	13120.	ug/L	31.1101	0.2370	11,794.46
Li6707_R	106.1	ug/L	0.1818	0.1714	1,987.11
Mg2025_A	34120.	ug/L	33.1679	0.0972	2,590.94
Mn2576_R	1510.	ug/L	5.6248	0.3725	14,900.89
Mo2020_A	1.488	ug/L	0.2719	18.2678	2.94
Na5895_R	1921.	ug/L	5.7276	0.2981	5,296.68
Ni2316_A	193.0	ug/L	0.6657	0.3449	336.84
Pb2203_A	54.80	ug/L	0.0003	0.0006	37.55
Sb2068_A	-1.531	ug/L	0.1229	8.0315	1.28
Se1960_A	-2.147	ug/L	0.8073	37.6107	1.35
Si2516_R	2297.	ug/L	6.4270	0.2798	1,146.05
Sn1899_A	48.03	ug/L	1.2688	2.6420	9.40
Sr4215_R	96.27	ug/L	0.1060	0.1101	9,930.77
Ti3349_A	4669.	ug/L	9.8140	0.2102	131,308.96
Tl1908_A	-1.492	ug/L	0.7018	47.0396	-3.79
V_2924_A	182.1	ug/L	0.7078	0.3886	2,433.65
Zn2062_A	248.6	ug/L	0.0891	0.0358	683.97
Pd3404	-8.204	ug/L	0.6538	7.9684	-94.38
Y_3600_R	25533.	Cts/S	162.8587	0.6378	25,533.09
Y_2243_A	6264.3	Cts/S	2.2946	0.0366	6,264.26
Y_3600_A	203020.	Cts/S	337.7991	0.1664	203,021.05

SE2841-012

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:32:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-2.813	ug/L	2.9296	104.1417	-192.04
Al3961_R	86800.	ug/L	13.9864	0.0161	18,168.25
As1891_A	25.91	ug/L	2.1722	8.3851	0.84
Au2427_A	-10.08	ug/L	0.3020	2.9969	7.40
B_2089_A	1197.	ug/L	2.1348	0.1784	262.38
Ba4554_R	54700.	ug/L	211.3976	0.3865	893,340.77
Be3130_R	4.126	ug/L	0.2861	6.9336	-320.85
Ca3158_R	31820.	ug/L	274.8714	0.8637	3,956.96
Cd2265_A	2.454	ug/L	0.0304	1.2394	33.37
Co2286_A	38.16	ug/L	0.7929	2.0776	63.91
Cr2677_A	125.0	ug/L	0.3177	0.2542	264.93
Cu3273_A	55.54	ug/L	1.3195	2.3758	110.09
Fe2599_R	95190.	ug/L	65.9047	0.0692	41,270.95
K_7664_R	11500.	ug/L	1.4758	0.0128	2,059.22
Li6707_R	108.1	ug/L	2.9711	2.7473	434.79
Mg2025_A	23840.	ug/L	49.5227	0.2078	364.08
Mn2576_R	2060.	ug/L	1.4048	0.0682	4,029.32

SE2841-012

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:32:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.278	ug/L	0.5170	40.4661	0.20
Na5895_R	3025.	ug/L	31.4854	1.0408	1,822.88
Ni2316_A	97.49	ug/L	0.9147	0.9383	33.87
Pb2203_A	458.1	ug/L	1.3497	0.2946	72.90
Sb2068_A	-2.556	ug/L	4.9417	193.3617	0.36
Se1960_A	-12.26	ug/L	9.0187	73.5668	0.66
Si2516_R	4440.	ug/L	61.7139	1.3898	448.33
Sn1899_A	81.48	ug/L	9.7366	11.9504	3.97
Sr4215_R	910.3	ug/L	1.9056	0.2093	18,641.41
Ti3349_A	26160.	ug/L	75.2416	0.2876	148,107.59
Tl1908_A	-11.55	ug/L	4.1465	35.8921	-3.74
V_2924_A	204.9	ug/L	1.2729	0.6212	572.82
Zn2062_A	1418.	ug/L	1.8466	0.1302	790.04
Pd3404	-36.83	ug/L	0.7804	2.1188	-46.12
Y_3600_R	25328.	Cts/S	124.9936	0.4935	25,327.82
Y_2243_A	6336.4	Cts/S	2.3742	0.0375	6,336.40
Y_3600_A	204350.	Cts/S	29.5940	0.0145	204,353.42

PBWBE23ICW0

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:37:00
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0072	ug/L	0.2718	3,769.0876	-10.12
Al3961_R	9.383	ug/L	1.0569	11.2636	-3.79
As1891_A	.6637	ug/L	0.1021	15.3796	-0.50
Au2427_A	.8426	ug/L	1.2515	148.5272	0.65
B_2089_A	-.1076	ug/L	0.1878	174.4750	0.97
Ba4554_R	.7480	ug/L	0.2298	30.7183	107.87
Be3130_R	-.0148	ug/L	0.0142	95.7261	-3.20
Ca3158_R	92.36	ug/L	4.8794	5.2828	39.47
Cd2265_A	.0090	ug/L	0.0203	224.0718	-0.51
Co2286_A	-.0661	ug/L	0.2634	398.4410	2.35
Cr2677_A	.2252	ug/L	0.0971	43.1195	2.63
Cu3273_A	.6448	ug/L	0.2824	43.7950	19.70
Fe2599_R	14.41	ug/L	3.4595	24.0113	33.93
K_7664_R	-12.47	ug/L	15.9295	127.7233	-0.72
Li6707_R	-4.413	ug/L	0.0617	1.3981	-39.60
Mg2025_A	27.10	ug/L	1.6117	5.9479	-0.58
Mn2576_R	.7345	ug/L	0.1920	26.1338	4.58
Mo2020_A	.0117	ug/L	0.0375	320.4287	-0.35
Na5895_R	36.44	ug/L	1.6511	4.5310	347.17
Ni2316_A	.0462	ug/L	0.3074	665.0253	0.08
Pb2203_A	.0721	ug/L	0.2400	332.6668	-1.12
Sb2068_A	-1.317	ug/L	0.7813	59.3180	-0.22
Se1960_A	-1.182	ug/L	1.0164	86.0184	0.81
Si2516_R	37.18	ug/L	10.3907	27.9460	27.99
Sn1899_A	-.9193	ug/L	0.1505	16.3669	0.99
Sr4215_R	.3634	ug/L	0.1074	29.5579	22.55
Ti3349_A	.6855	ug/L	0.1071	15.6203	7.00
Tl1908_A	.5595	ug/L	0.4750	84.9110	-0.33
V_2924_A	-.1216	ug/L	0.0146	11.9684	0.21
Zn2062_A	.4129	ug/L	0.0890	21.5550	1.66
Pd3404	.4633	ug/L	0.0424	9.1604	-7.61
Y_3600_R	25827.	Cts/S	73.8243	0.2858	25,826.88
Y_2243_A	6459.3	Cts/S	10.0270	0.1552	6,459.33
Y_3600_A	209980.	Cts/S	258.5645	0.1231	209,982.17

LCSWBE23ICW0

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:41:36
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	52.41	ug/L	0.2862	0.5461	1,073.26
Al3961_R	2113.	ug/L	1.7972	0.0851	2,244.08
As1891_A	101.0	ug/L	1.1922	1.1802	41.80
Au2427_A	-2.091	ug/L	0.2823	13.4981	1.19
B_2089_A	485.9	ug/L	1.5494	0.3189	547.68
Ba4554_R	1995.	ug/L	4.1568	0.2084	165,279.93
Be3130_R	53.57	ug/L	0.0575	0.1073	8,006.16
Ca3158_R	2767.	ug/L	13.9133	0.5028	1,733.57
Cd2265_A	257.0	ug/L	0.5500	0.2140	2,903.81
Co2286_A	515.6	ug/L	0.3724	0.0722	1,660.45
Cr2677_A	207.7	ug/L	0.6198	0.2984	2,213.80
Cu3273_A	254.5	ug/L	0.0969	0.0381	3,363.47
Fe2599_R	1058.	ug/L	7.6156	0.7197	2,328.61
K_7664_R	9972.	ug/L	18.6225	0.1868	9,018.85
Li6707_R	491.9	ug/L	0.9096	0.1849	9,115.72
Mg2025_A	5347.	ug/L	24.5879	0.4598	411.94
Mn2576_R	512.7	ug/L	2.5436	0.4961	5,083.98
Mo2020_A	281.3	ug/L	3.8489	1.3684	642.12
Na5895_R	7668.	ug/L	1.9866	0.0259	20,524.82
Ni2316_A	523.7	ug/L	0.2112	0.0403	957.26
Pb2203_A	101.7	ug/L	0.4743	0.4664	83.44
Sb2068_A	92.08	ug/L	0.3385	0.3676	41.14
Se1960_A	99.20	ug/L	0.0554	0.0558	23.48
Si2516_R	5035.	ug/L	1.6379	0.0325	2,528.36
Sn1899_A	540.5	ug/L	5.4236	1.0035	96.26
Sr4215_R	500.4	ug/L	2.1695	0.4336	51,995.30
Ti3349_A	500.2	ug/L	1.6009	0.3201	14,361.28
Tl1908_A	101.5	ug/L	0.5636	0.5556	52.19
V_2924_A	523.3	ug/L	2.3937	0.4574	7,049.03
Zn2062_A	540.9	ug/L	1.3262	0.2452	1,517.76
Pd3404	492.1	ug/L	0.3939	0.0800	2,953.15
Y_3600_R	25689.	Cts/S	107.8046	0.4197	25,689.01
Y_2243_A	6387.3	Cts/S	25.8327	0.4044	6,387.31
Y_3600_A	207390.	Cts/S	133.9694	0.0646	207,390.07

SE2707-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:46:02
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0713	ug/L	0.2071	290.6623	-11.33
Al3961_R	1.905	ug/L	3.9829	209.0610	-6.76
As1891_A	29.13	ug/L	0.7880	2.7049	10.15
Au2427_A	-.2290	ug/L	0.3337	145.7177	-1.30
B_2089_A	9.525	ug/L	0.2076	2.1793	11.54
Ba4554_R	37.24	ug/L	0.1813	0.4867	3,114.74
Be3130_R	.0057	ug/L	0.0171	301.2126	-0.05
Ca3158_R	21090.	ug/L	57.6348	0.2732	13,280.71
Cd2265_A	.0201	ug/L	0.0072	35.9898	-0.35
Co2286_A	.0555	ug/L	0.0152	27.3578	2.65
Cr2677_A	.6591	ug/L	0.2157	32.7251	7.19
Cu3273_A	2.765	ug/L	0.6365	23.0172	46.81
Fe2599_R	35.21	ug/L	2.6870	7.6315	79.11
K_7664_R	2885.	ug/L	16.7018	0.5790	2,603.96
Li6707_R	17.82	ug/L	0.2190	1.2289	368.99
Mg2025_A	6335.	ug/L	22.3029	0.3521	477.88
Mn2576_R	60.31	ug/L	0.4467	0.7408	592.47

SE2707-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:46:02
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	5.723	ug/L	0.1537	2.6848	12.44
Na5895_R	33950.	ug/L	74.4407	0.2192	89,601.96
Ni2316_A	6.724	ug/L	0.1079	1.6043	12.03
Pb2203_A	.5602	ug/L	0.3408	60.8361	-0.69
Sb2068_A	-1.730	ug/L	0.4916	28.4178	-0.39
Se1960_A	-1.436	ug/L	0.8957	62.3867	0.73
Si2516_R	7292.	ug/L	8.8608	0.1215	3,637.45
Sn1899_A	-.2682	ug/L	1.5342	572.0336	1.07
Sr4215_R	165.6	ug/L	0.0664	0.0401	17,113.23
Ti3349_A	-.0258	ug/L	0.0099	38.4362	-13.26
Tl1908_A	1.439	ug/L	0.4377	30.4130	0.10
V_2924_A	.2714	ug/L	0.0885	32.6178	4.17
Zn2062_A	2.221	ug/L	0.1943	8.7484	6.57
Pd3404	.3856	ug/L	0.7182	186.2381	-7.95
Y_3600_R	25565.	Cts/S	12.1516	0.0475	25,565.02
Y_2243_A	6252.3	Cts/S	17.4273	0.2787	6,252.28
Y_3600_A	204640.	Cts/S	881.1721	0.4306	204,644.20

SE2707-002R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:50:37
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3213	ug/L	0.1524	47.4174	-16.37
Al3961_R	-2.303	ug/L	3.5593	154.5585	-7.75
As1891_A	26.72	ug/L	0.3069	1.1487	9.32
Au2427_A	.2191	ug/L	0.7701	351.4741	-0.94
B_2089_A	4.022	ug/L	0.4155	10.3315	5.54
Ba4554_R	5.148	ug/L	0.0281	0.5453	468.33
Be3130_R	-.0365	ug/L	0.0280	76.7867	-6.32
Ca3158_R	37280.	ug/L	29.6825	0.0796	23,429.14
Cd2265_A	.0166	ug/L	0.0258	155.3083	-0.42
Co2286_A	.0172	ug/L	0.0654	381.0087	2.55
Cr2677_A	.6274	ug/L	0.0298	4.7480	6.81
Cu3273_A	1.665	ug/L	0.0968	5.8144	32.50
Fe2599_R	16.21	ug/L	2.7147	16.7476	37.45
K_7664_R	2668.	ug/L	18.4468	0.6915	2,402.83
Li6707_R	14.61	ug/L	0.4021	2.7530	309.21
Mg2025_A	7131.	ug/L	4.0249	0.0564	542.05
Mn2576_R	14.66	ug/L	0.1585	1.0817	141.38
Mo2020_A	2.927	ug/L	0.0088	0.2994	6.22
Na5895_R	8930.	ug/L	22.9792	0.2573	23,689.33
Ni2316_A	6.402	ug/L	0.1306	2.0406	11.53
Pb2203_A	-.2996	ug/L	0.6357	212.1775	-1.40
Sb2068_A	-.8393	ug/L	0.6483	77.2420	-0.01
Se1960_A	-2.048	ug/L	0.8155	39.8270	0.59
Si2516_R	4872.	ug/L	5.3515	0.1098	2,427.18
Sn1899_A	-.1830	ug/L	1.7385	949.8541	1.09
Sr4215_R	189.8	ug/L	0.1794	0.0945	19,567.38
Ti3349_A	-.0219	ug/L	0.1051	480.9833	-13.21
Tl1908_A	.6333	ug/L	0.5096	80.4627	-0.29
V_2924_A	.2340	ug/L	0.1084	46.3057	4.48
Zn2062_A	1.716	ug/L	0.0806	4.6986	5.22
Pd3404	1.348	ug/L	0.2762	20.4899	-2.18
Y_3600_R	25502.	Cts/S	68.0915	0.2670	25,501.91
Y_2243_A	6296.4	Cts/S	8.0877	0.1284	6,296.43
Y_3600_A	204770.	Cts/S	1,088.9663	0.5318	204,770.54

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:55:11
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	506.5	ug/L	0.6357	0.1255	10,249.96
Al3961_R	12390.	ug/L	34.0166	0.2746	13,000.30
As1891_A	497.4	ug/L	0.2557	0.0514	191.12
Au2427_A	481.5	ug/L	0.4130	0.0858	1,462.89
B_2089_A	490.0	ug/L	1.0888	0.2222	555.39
Ba4554_R	486.7	ug/L	0.7394	0.1519	39,840.20
Be3130_R	513.2	ug/L	0.5426	0.1057	75,999.22
Ca3158_R	13040.	ug/L	81.6708	0.6261	8,139.60
Cd2265_A	506.6	ug/L	0.2887	0.0570	5,684.06
Co2286_A	501.5	ug/L	0.4734	0.0944	1,599.69
Cr2677_A	513.5	ug/L	1.0819	0.2107	5,360.93
Cu3273_A	495.3	ug/L	1.4091	0.2845	6,403.39
Fe2599_R	12730.	ug/L	3.1379	0.0247	27,629.23
K_7664_R	12330.	ug/L	12.7287	0.1033	11,003.31
Li6707_R	481.8	ug/L	1.6159	0.3354	8,815.86
Mg2025_A	12460.	ug/L	28.7767	0.2310	953.06
Mn2576_R	507.6	ug/L	1.0307	0.2031	4,970.39
Mo2020_A	494.7	ug/L	0.2417	0.0489	1,118.48
Na5895_R	12320.	ug/L	5.1861	0.0421	32,398.30
Ni2316_A	507.0	ug/L	0.6726	0.1327	917.52
Pb2203_A	506.7	ug/L	2.2478	0.4436	415.83
Sb2068_A	490.0	ug/L	0.2831	0.0578	214.07
Se1960_A	491.4	ug/L	1.4611	0.2973	112.31
Si2516_R	12550.	ug/L	20.7850	0.1656	6,205.22
Sn1899_A	519.6	ug/L	0.8477	0.1632	91.65
Sr4215_R	488.4	ug/L	0.0849	0.0174	50,103.56
Ti3349_A	509.3	ug/L	1.1977	0.2351	14,329.11
Tl1908_A	504.1	ug/L	1.2645	0.2508	257.30
V_2924_A	513.4	ug/L	0.0136	0.0026	6,745.46
Zn2062_A	515.4	ug/L	0.7697	0.1494	1,430.54
Pd3404	494.2	ug/L	0.3177	0.0643	2,900.03
Y_3600_R	25361.	Cts/S	100.4519	0.3961	25,360.54
Y_2243_A	6323.2	Cts/S	8.1168	0.1284	6,323.23
Y_3600_A	203140.	Cts/S	287.5351	0.1415	203,137.91

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:59:34
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0148	ug/L	0.1775	1,199.2360	-10.14
Al3961_R	.4521	ug/L	10.3155	2,281.6978	-13.08
As1891_A	-.7472	ug/L	0.4477	59.9184	-1.05
Au2427_A	.9974	ug/L	0.0072	0.7208	1.11
B_2089_A	.5580	ug/L	0.1505	26.9722	1.75
Ba4554_R	-.0810	ug/L	0.1085	133.9512	38.20
Be3130_R	.0058	ug/L	0.0128	221.1044	-0.04
Ca3158_R	-.0931	ug/L	2.0382	2,189.1679	-19.10
Cd2265_A	.0398	ug/L	0.0165	41.4958	-0.17
Co2286_A	-.1027	ug/L	0.2022	196.8529	2.23
Cr2677_A	.3371	ug/L	0.3167	93.9474	3.80
Cu3273_A	-.0555	ug/L	0.7397	1,332.0084	10.28
Fe2599_R	5.465	ug/L	2.0658	37.8008	13.93
K_7664_R	117.9	ug/L	20.4280	17.3309	115.67
Li6707_R	-1.793	ug/L	0.0142	0.7923	8.83
Mg2025_A	5.539	ug/L	4.8983	88.4341	-2.27
Mn2576_R	-.0738	ug/L	0.2626	355.8413	-3.42

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 18:59:34
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.8413	ug/L	0.0569	6.7587	1.57
Na5895_R	75.48	ug/L	2.4840	3.2908	443.26
Ni2316_A	.0088	ug/L	0.0782	893.9153	0.02
Pb2203_A	-.6943	ug/L	0.5916	85.2011	-1.77
Sb2068_A	-.3187	ug/L	0.1918	60.1791	0.22
Se1960_A	-1.108	ug/L	0.2360	21.3075	0.83
Si2516_R	13.28	ug/L	3.4137	25.6961	15.72
Sn1899_A	-.8917	ug/L	1.2867	144.3038	0.99
Sr4215_R	.0062	ug/L	0.0439	712.6143	-14.55
Ti3349_A	.0379	ug/L	0.1505	397.3015	-11.74
Tl1908_A	-.2528	ug/L	0.0429	16.9532	-0.75
V_2924_A	.2185	ug/L	0.0792	36.2260	4.75
Zn2062_A	-.0384	ug/L	0.1454	378.3439	0.38
Pd3404	.8829	ug/L	0.2578	29.2021	-5.02
Y_3600_R	25385.	Cts/S	2.4152	0.0095	25,385.22
Y_2243_A	6476.9	Cts/S	0.6028	0.0093	6,476.91
Y_3600_A	208430.	Cts/S	99.5147	0.0477	208,429.29

SE2707-003R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:04:09
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0332	ug/L	0.0590	178.0056	-10.64
Al3961_R	-14.12	ug/L	3.5078	24.8447	-20.05
As1891_A	27.41	ug/L	0.3897	1.4219	9.68
Au2427_A	-.1936	ug/L	0.1838	94.9065	-2.20
B_2089_A	3.950	ug/L	0.3824	9.6808	5.52
Ba4554_R	5.106	ug/L	0.1613	3.1587	469.05
Be3130_R	-.0197	ug/L	0.0239	121.1539	-3.85
Ca3158_R	38870.	ug/L	115.8616	0.2981	24,648.73
Cd2265_A	-.0092	ug/L	0.0255	275.3917	-0.69
Co2286_A	.1115	ug/L	0.0384	34.4100	2.88
Cr2677_A	.4608	ug/L	0.2315	50.2303	5.12
Cu3273_A	2.930	ug/L	0.1095	3.7376	49.53
Fe2599_R	30.02	ug/L	2.1440	7.1425	68.18
K_7664_R	2743.	ug/L	27.4931	1.0023	2,492.69
Li6707_R	14.86	ug/L	0.3089	2.0787	316.68
Mg2025_A	7270.	ug/L	12.7623	0.1756	558.75
Mn2576_R	14.64	ug/L	0.1024	0.6994	142.48
Mo2020_A	2.907	ug/L	0.0042	0.1431	6.25
Na5895_R	9144.	ug/L	0.8904	0.0097	24,470.70
Ni2316_A	6.098	ug/L	0.1102	1.8073	11.10
Pb2203_A	-.1257	ug/L	0.6618	526.2769	-1.27
Sb2068_A	-.7950	ug/L	0.4522	56.8878	0.00
Se1960_A	-3.182	ug/L	1.0588	33.2703	0.34
Si2516_R	4908.	ug/L	2.3132	0.0471	2,466.97
Sn1899_A	-1.583	ug/L	1.4541	91.8383	0.86
Sr4215_R	194.0	ug/L	0.4795	0.2472	20,181.07
Ti3349_A	-.1387	ug/L	0.0266	19.1782	-16.70
Tl1908_A	.3507	ug/L	0.0400	11.3936	-0.44
V_2924_A	.3124	ug/L	0.1359	43.4839	5.59
Zn2062_A	2.025	ug/L	0.0508	2.5081	6.14
Pd3404	.6196	ug/L	0.8876	143.2443	-6.60
Y_3600_R	25732.	Cts/S	103.1831	0.4010	25,732.31
Y_2243_A	6365.6	Cts/S	17.6885	0.2779	6,365.58
Y_3600_A	207120.	Cts/S	493.1639	0.2381	207,118.49

SE2707-004R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:08:43
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0005	ug/L	0.0451	8,508.2534	-9.88
Al3961_R	-14.98	ug/L	1.7381	11.6006	-19.85
As1891_A	31.19	ug/L	1.3295	4.2620	11.01
Au2427_A	.8084	ug/L	0.0646	7.9887	0.81
B_2089_A	5.538	ug/L	0.2068	3.7341	7.20
Ba4554_R	9.971	ug/L	0.0655	0.6569	863.24
Be3130_R	-.0201	ug/L	0.0419	208.8423	-3.88
Ca3158_R	42880.	ug/L	254.8254	0.5943	26,899.16
Cd2265_A	-.0132	ug/L	0.0338	256.7983	-0.72
Co2286_A	.1219	ug/L	0.0014	1.1220	2.89
Cr2677_A	.4353	ug/L	0.2009	46.1456	4.80
Cu3273_A	3.307	ug/L	0.2344	7.0862	54.06
Fe2599_R	32.53	ug/L	2.3622	7.2618	72.93
K_7664_R	3306.	ug/L	12.1642	0.3679	2,970.04
Li6707_R	20.53	ug/L	0.5482	2.6704	416.86
Mg2025_A	12200.	ug/L	87.2260	0.7150	930.54
Mn2576_R	13.52	ug/L	0.0678	0.5018	129.72
Mo2020_A	2.953	ug/L	0.0607	2.0547	6.29
Na5895_R	16880.	ug/L	81.6419	0.4837	44,471.92
Ni2316_A	6.450	ug/L	0.1653	2.5623	11.63
Pb2203_A	.7819	ug/L	0.6015	76.9286	-0.51
Sb2068_A	-.3733	ug/L	0.2666	71.4055	0.18
Se1960_A	-.6736	ug/L	1.1274	167.3781	0.90
Si2516_R	5899.	ug/L	30.2048	0.5121	2,931.32
Sn1899_A	-.9045	ug/L	0.3552	39.2710	0.97
Sr4215_R	296.5	ug/L	1.5014	0.5063	30,525.96
Ti3349_A	.0280	ug/L	0.0969	346.5396	-11.82
Tl1908_A	.4303	ug/L	0.6319	146.8292	-0.39
V_2924_A	.0603	ug/L	0.2302	381.4688	2.18
Zn2062_A	4.824	ug/L	0.0355	0.7359	13.84
Pd3404	-.0990	ug/L	0.5881	594.0124	-10.83
Y_3600_R	25454.	Cts/S	46.9218	0.1843	25,454.17
Y_2243_A	6305.1	Cts/S	2.5891	0.0411	6,305.05
Y_3600_A	205450.	Cts/S	86.9796	0.0423	205,448.86

SE2707-005R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:13:16
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0488	ug/L	0.1441	295.2274	-11.04
Al3961_R	-10.26	ug/L	7.1045	69.2433	-14.70
As1891_A	10.65	ug/L	1.1593	10.8864	3.32
Au2427_A	-.0693	ug/L	0.1865	269.2410	-2.12
B_2089_A	4.199	ug/L	0.1495	3.5607	5.85
Ba4554_R	.4566	ug/L	0.1590	34.8284	82.96
Be3130_R	.0061	ug/L	0.0317	520.9693	0.02
Ca3158_R	44030.	ug/L	164.0500	0.3726	27,809.03
Cd2265_A	.0387	ug/L	0.0341	88.1747	-0.13
Co2286_A	.0133	ug/L	0.1823	1,367.6751	2.58
Cr2677_A	1.328	ug/L	0.0179	1.3499	14.31
Cu3273_A	10.80	ug/L	0.0393	0.3642	153.00
Fe2599_R	41.47	ug/L	0.9084	2.1906	93.02
K_7664_R	2821.	ug/L	9.1845	0.3255	2,552.70
Li6707_R	19.17	ug/L	0.3297	1.7197	394.71
Mg2025_A	9636.	ug/L	47.7102	0.4951	746.18
Mn2576_R	.9126	ug/L	0.0801	8.7735	5.97

SE2707-005R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:13:16
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	3.292	ug/L	0.0008	0.0233	7.17
Na5895_R	14650.	ug/L	12.6844	0.0866	38,899.39
Ni2316_A	6.440	ug/L	0.0249	0.3872	11.80
Pb2203_A	.8925	ug/L	0.1543	17.2879	-0.43
Sb2068_A	-.7523	ug/L	0.9687	128.7657	0.03
Se1960_A	.5628	ug/L	1.4783	262.6932	1.20
Si2516_R	7559.	ug/L	12.3833	0.1638	3,778.64
Sn1899_A	-1.113	ug/L	0.0920	8.2653	0.94
Sr4215_R	244.7	ug/L	0.3463	0.1415	25,352.51
Ti3349_A	-.0664	ug/L	0.0713	107.4017	-14.60
Tl1908_A	.5099	ug/L	0.0198	3.8917	-0.35
V_2924_A	.0199	ug/L	0.0697	349.4828	1.73
Zn2062_A	14.59	ug/L	0.2274	1.5590	41.54
Pd3404	.0253	ug/L	0.6637	2,619.4035	-10.16
Y_3600_R	25623.	Cts/S	66.5292	0.2596	25,622.77
Y_2243_A	6405.8	Cts/S	14.7012	0.2295	6,405.84
Y_3600_A	206930.	Cts/S	233.3995	0.1128	206,933.85

SE2707-006R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:17:50
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.4138	ug/L	0.2995	72.3724	-18.45
Al3961_R	-6.345	ug/L	0.0116	0.1829	-11.72
As1891_A	32.18	ug/L	0.5551	1.7252	11.57
Au2427_A	.8414	ug/L	0.3391	40.2958	0.64
B_2089_A	3.421	ug/L	0.3856	11.2715	4.91
Ba4554_R	1.701	ug/L	0.0736	4.3269	185.72
Be3130_R	-.0551	ug/L	0.0028	4.9935	-9.12
Ca3158_R	39190.	ug/L	481.1454	1.2278	24,736.73
Cd2265_A	.0348	ug/L	0.0251	72.1936	-0.22
Co2286_A	-.0222	ug/L	0.0922	416.0361	2.47
Cr2677_A	2.147	ug/L	0.2238	10.4243	23.03
Cu3273_A	5.925	ug/L	0.0529	0.8934	88.99
Fe2599_R	13.08	ug/L	2.2620	17.2944	30.74
K_7664_R	3102.	ug/L	22.2870	0.7184	2,804.81
Li6707_R	12.18	ug/L	0.0128	0.1047	265.93
Mg2025_A	6845.	ug/L	62.2659	0.9096	529.52
Mn2576_R	.5266	ug/L	0.3996	75.8928	2.25
Mo2020_A	1.246	ug/L	0.3831	30.7397	2.48
Na5895_R	13320.	ug/L	17.7234	0.1331	35,368.14
Ni2316_A	6.343	ug/L	0.1874	2.9540	11.62
Pb2203_A	-.1100	ug/L	0.2549	231.6587	-1.27
Sb2068_A	-1.063	ug/L	0.8604	80.9237	-0.10
Se1960_A	-2.105	ug/L	0.8261	39.2517	0.59
Si2516_R	8030.	ug/L	57.3187	0.7138	4,012.08
Sn1899_A	-1.442	ug/L	1.3092	90.7852	0.89
Sr4215_R	189.6	ug/L	0.1873	0.0988	19,634.76
Ti3349_A	.0015	ug/L	0.0748	5,064.7270	-12.70
Tl1908_A	.1412	ug/L	0.5293	374.9182	-0.54
V_2924_A	1.595	ug/L	0.1743	10.9286	23.24
Zn2062_A	5.433	ug/L	0.1163	2.1396	15.77
Pd3404	.2489	ug/L	0.8135	326.7956	-8.80
Y_3600_R	25613.	Cts/S	81.4757	0.3181	25,612.78
Y_2243_A	6408.6	Cts/S	14.7664	0.2304	6,408.57
Y_3600_A	207140.	Cts/S	102.2921	0.0494	207,144.01

SE2707-007R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:22:23
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3091	ug/L	0.0632	20.4527	-16.25
Al3961_R	-3.581	ug/L	12.6019	351.8622	-8.99
As1891_A	21.76	ug/L	1.6987	7.8078	7.52
Au2427_A	1.022	ug/L	0.0526	5.1478	1.19
B_2089_A	3.283	ug/L	0.4232	12.8906	4.72
Ba4554_R	5.881	ug/L	0.0098	0.1664	531.01
Be3130_R	-.0064	ug/L	0.0212	330.4502	-1.84
Ca3158_R	38350.	ug/L	204.3756	0.5329	24,211.33
Cd2265_A	.0018	ug/L	0.0218	1,241.6643	-0.58
Co2286_A	.0731	ug/L	0.0516	70.4887	2.75
Cr2677_A	1.866	ug/L	0.3389	18.1572	19.98
Cu3273_A	5.959	ug/L	0.1449	2.4312	89.08
Fe2599_R	19.20	ug/L	1.8290	9.5260	44.16
K_7664_R	3260.	ug/L	12.1310	0.3721	2,947.23
Li6707_R	11.35	ug/L	0.7755	6.8314	250.76
Mg2025_A	6696.	ug/L	0.6331	0.0095	513.73
Mn2576_R	.6670	ug/L	0.1844	27.6437	3.64
Mo2020_A	1.338	ug/L	0.0020	0.1507	2.67
Na5895_R	11840.	ug/L	6.6487	0.0562	31,470.36
Ni2316_A	6.141	ug/L	0.0523	0.8521	11.16
Pb2203_A	.4218	ug/L	0.5675	134.5400	-0.81
Sb2068_A	-1.382	ug/L	0.6001	43.4065	-0.24
Se1960_A	-1.474	ug/L	0.5592	37.9292	0.73
Si2516_R	7239.	ug/L	10.5506	0.1457	3,618.33
Sn1899_A	.0385	ug/L	2.7130	7,039.4715	1.14
Sr4215_R	188.4	ug/L	0.5570	0.2956	19,514.14
Ti3349_A	-.0506	ug/L	0.1707	337.1327	-14.13
Tl1908_A	1.120	ug/L	0.0209	1.8632	-0.03
V_2924_A	1.349	ug/L	0.0887	6.5716	19.83
Zn2062_A	4.837	ug/L	0.0742	1.5332	13.98
Pd3404	.7870	ug/L	0.1984	25.2124	-5.55
Y_3600_R	25618.	Cts/S	70.0283	0.2734	25,617.71
Y_2243_A	6356.8	Cts/S	17.6853	0.2782	6,356.77
Y_3600_A	206310.	Cts/S	572.3062	0.2774	206,312.60

SE2707-009R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:26:57
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.2609	ug/L	0.1376	52.7586	-4.47
Al3961_R	-20.28	ug/L	9.6303	47.4787	-19.88
As1891_A	2.416	ug/L	0.5194	21.4992	0.17
Au2427_A	-4.116	ug/L	0.0680	1.6509	0.47
B_2089_A	176.0	ug/L	0.0297	0.0169	189.54
Ba4554_R	58.22	ug/L	0.1075	0.1846	4,886.21
Be3130_R	.0126	ug/L	0.0301	239.1004	0.98
Ca3158_R	69250.	ug/L	911.9685	1.3169	44,020.22
Cd2265_A	.0824	ug/L	0.0178	21.6533	0.34
Co2286_A	.2796	ug/L	0.1117	39.9381	3.34
Cr2677_A	.5828	ug/L	0.0013	0.2223	7.08
Cu3273_A	1.464	ug/L	0.3946	26.9463	29.65
Fe2599_R	36.20	ug/L	2.7433	7.5776	82.02
K_7664_R	8068.	ug/L	14.7234	0.1825	7,326.22
Li6707_R	2.668	ug/L	0.2208	8.2773	91.55
Mg2025_A	22970.	ug/L	141.4963	0.6160	1,729.34
Mn2576_R	692.6	ug/L	0.5599	0.0808	6,893.23

SE2707-009R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:26:57
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.878	ug/L	0.1109	5.9084	3.81
Na5895_R	38050.	ug/L	58.7158	0.1543	101,255.96
Ni2316_A	12.44	ug/L	0.0677	0.5442	22.10
Pb2203_A	-.6702	ug/L	0.2940	43.8651	-1.68
Sb2068_A	-.2116	ug/L	0.5317	251.2182	0.25
Se1960_A	-.4387	ug/L	1.6781	382.5524	0.97
Si2516_R	7584.	ug/L	20.7561	0.2737	3,815.13
Sn1899_A	-.5562	ug/L	1.3148	236.3614	1.01
Sr4215_R	391.4	ug/L	0.1663	0.0425	40,822.85
Ti3349_A	-.2121	ug/L	0.0364	17.1551	-18.47
Tl1908_A	.7585	ug/L	0.3863	50.9230	-0.58
V_2924_A	.3398	ug/L	0.0755	22.2060	-1.41
Zn2062_A	2.492	ug/L	0.0737	2.9573	7.27
Pd3404	.7309	ug/L	0.7524	102.9414	-6.27
Y_3600_R	25786.	Cts/S	329.6514	1.2784	25,786.29
Y_2243_A	6215.2	Cts/S	6.7239	0.1082	6,215.20
Y_3600_A	203190.	Cts/S	69.9429	0.0344	203,194.40

SE2707-010R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:31:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.4422	ug/L	0.4957	112.1019	-41.24
Al3961_R	-5.917	ug/L	0.0411	0.6944	-15.36
As1891_A	.3700	ug/L	0.7094	191.7487	-0.71
Au2427_A	-17.78	ug/L	0.6212	3.4949	5.46
B_2089_A	82.74	ug/L	0.3745	0.4526	92.85
Ba4554_R	56.78	ug/L	0.1601	0.2820	4,756.81
Be3130_R	-.0061	ug/L	0.0214	349.0296	-1.81
Ca3158_R	21240.	ug/L	121.7499	0.5732	13,463.35
Cd2265_A	-.0165	ug/L	0.0367	222.4568	7.44
Co2286_A	8.203	ug/L	0.2123	2.5884	29.35
Cr2677_A	.2590	ug/L	0.0033	1.2577	6.75
Cu3273_A	1.821	ug/L	0.5540	30.4227	34.48
Fe2599_R	5439.	ug/L	56.5351	1.0394	11,982.71
K_7664_R	7738.	ug/L	42.6949	0.5517	7,013.61
Li6707_R	-1.615	ug/L	0.3157	19.5412	12.25
Mg2025_A	6042.	ug/L	15.8457	0.2623	469.24
Mn2576_R	2763.	ug/L	3.9413	0.1427	27,457.35
Mo2020_A	-.0859	ug/L	0.0685	79.7238	-0.57
Na5895_R	11330.	ug/L	25.0744	0.2214	30,250.33
Ni2316_A	12.84	ug/L	0.1213	0.9448	23.21
Pb2203_A	.4776	ug/L	0.5494	115.0333	-0.74
Sb2068_A	-1.868	ug/L	0.6288	33.6562	-0.45
Se1960_A	-1.272	ug/L	2.1729	170.8349	0.94
Si2516_R	5734.	ug/L	62.6731	1.0931	2,880.62
Sn1899_A	-1.914	ug/L	0.6464	33.7677	0.81
Sr4215_R	155.7	ug/L	1.3308	0.8544	16,201.25
Ti3349_A	-.1069	ug/L	0.0456	42.6372	-15.88
Tl1908_A	.4769	ug/L	0.6446	135.1853	-1.88
V_2924_A	.8244	ug/L	0.2792	33.8709	-17.01
Zn2062_A	2.935	ug/L	0.0631	2.1486	8.79
Pd3404	.3626	ug/L	0.4977	137.2809	-12.43
Y_3600_R	25735.	Cts/S	143.0601	0.5559	25,735.12
Y_2243_A	6438.6	Cts/S	13.9541	0.2167	6,438.60
Y_3600_A	207870.	Cts/S	786.6300	0.3784	207,871.52

SE2707-011R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:36:03
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1753	ug/L	0.0156	8.9010	-22.71
Al3961_R	749.4	ug/L	2.3839	0.3181	786.39
As1891_A	1.865	ug/L	0.3125	16.7606	-0.05
Au2427_A	.0129	ug/L	0.4785	3,716.2834	-1.40
B_2089_A	4.190	ug/L	0.0905	2.1608	5.81
Ba4554_R	12.06	ug/L	0.0642	0.5324	1,049.07
Be3130_R	.0421	ug/L	0.0041	9.8276	5.05
Ca3158_R	3525.	ug/L	11.1949	0.3176	2,223.29
Cd2265_A	.3226	ug/L	0.0041	1.2566	4.90
Co2286_A	-.0218	ug/L	0.0917	419.7473	2.60
Cr2677_A	.2754	ug/L	0.0642	23.3144	3.30
Cu3273_A	1.862	ug/L	0.0613	3.2928	35.99
Fe2599_R	1189.	ug/L	2.0318	0.1708	2,628.41
K_7664_R	284.0	ug/L	14.2094	5.0034	268.26
Li6707_R	-1.451	ug/L	0.0104	0.7189	15.31
Mg2025_A	923.1	ug/L	6.5309	0.7075	70.26
Mn2576_R	5.576	ug/L	0.4463	8.0036	52.95
Mo2020_A	.2605	ug/L	0.1657	63.5902	0.23
Na5895_R	4186.	ug/L	2.1193	0.0506	11,367.23
Ni2316_A	6.446	ug/L	0.3270	5.0736	11.91
Pb2203_A	1.667	ug/L	0.3061	18.3674	0.16
Sb2068_A	-1.297	ug/L	0.1669	12.8702	-0.21
Se1960_A	-2.716	ug/L	0.4644	17.0963	0.46
Si2516_R	3679.	ug/L	0.5939	0.0161	1,856.42
Sn1899_A	-.6652	ug/L	2.1334	320.7263	1.04
Sr4215_R	45.28	ug/L	0.1478	0.3264	4,710.63
Ti3349_A	4.512	ug/L	0.0116	0.2574	118.94
Tl1908_A	.5519	ug/L	0.5495	99.5673	-0.34
V_2924_A	.2771	ug/L	0.0344	12.4173	5.79
Zn2062_A	4.614	ug/L	0.1515	3.2822	13.70
Pd3404	1.670	ug/L	0.6536	39.1296	-0.76
Y_3600_R	25798.	Cts/S	3.7053	0.0144	25,798.26
Y_2243_A	6517.0	Cts/S	20.8069	0.3193	6,516.97
Y_3600_A	211100.	Cts/S	555.3572	0.2631	211,102.65

SE2707-012R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:40:37
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2745	ug/L	0.3087	112.4441	-15.68
Al3961_R	7.999	ug/L	11.8440	148.0630	-3.78
As1891_A	4.450	ug/L	0.1350	3.0332	0.94
Au2427_A	.1447	ug/L	0.1182	81.7255	-0.40
B_2089_A	61.53	ug/L	0.2153	0.3500	68.23
Ba4554_R	13.10	ug/L	0.1185	0.9043	1,127.28
Be3130_R	.0045	ug/L	0.0033	73.3052	-0.23
Ca3158_R	5404.	ug/L	13.9930	0.2589	3,394.30
Cd2265_A	.0059	ug/L	0.0080	135.5617	-0.47
Co2286_A	-.0056	ug/L	0.1240	2,195.6683	2.49
Cr2677_A	.5470	ug/L	0.0948	17.3230	5.99
Cu3273_A	-.0718	ug/L	0.1754	244.2110	9.85
Fe2599_R	62.31	ug/L	0.2507	0.4023	138.65
K_7664_R	1529.	ug/L	3.3221	0.2173	1,387.52
Li6707_R	3.304	ug/L	0.4243	12.8417	102.63
Mg2025_A	1280.	ug/L	1.1366	0.0888	95.35
Mn2576_R	49.82	ug/L	0.1654	0.3321	489.97

SE2707-012R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:40:37
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	6.402	ug/L	0.0534	0.8334	14.09
Na5895_R	66980.	ug/L	211.8396	0.3163	176,822.00
Ni2316_A	6.453	ug/L	0.1906	2.9529	11.66
Pb2203_A	.7082	ug/L	0.1671	23.5896	-0.58
Sb2068_A	.0751	ug/L	0.5909	787.0659	0.38
Se1960_A	-2.394	ug/L	0.6468	27.0167	0.52
Si2516_R	3484.	ug/L	4.3175	0.1239	1,745.58
Sn1899_A	-.4154	ug/L	0.9570	230.3777	1.05
Sr4215_R	34.01	ug/L	0.0713	0.2096	3,508.84
Ti3349_A	-.0679	ug/L	0.0162	23.8030	-14.42
Tl1908_A	.5766	ug/L	0.2594	44.9812	-0.34
V_2924_A	.1036	ug/L	0.1398	134.9955	1.96
Zn2062_A	.3947	ug/L	0.0292	7.3980	1.57
Pd3404	.7284	ug/L	0.0802	11.0133	-5.90
Y_3600_R	25611.	Cts/S	80.7943	0.3155	25,610.52
Y_2243_A	6312.2	Cts/S	3.1823	0.0504	6,312.24
Y_3600_A	204190.	Cts/S	685.6988	0.3358	204,188.43

SE2707-013R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:45:13
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1928	ug/L	0.2566	133.0742	-14.27
Al3961_R	36.20	ug/L	4.7774	13.1978	28.88
As1891_A	1.473	ug/L	0.5156	35.0161	-0.20
Au2427_A	.3970	ug/L	0.0814	20.5040	-0.47
B_2089_A	80.75	ug/L	0.0728	0.0901	91.44
Ba4554_R	16.71	ug/L	0.1407	0.8419	1,448.46
Be3130_R	.0095	ug/L	0.0074	77.1736	0.51
Ca3158_R	17010.	ug/L	42.2328	0.2482	10,903.40
Cd2265_A	.0225	ug/L	0.0049	21.6524	-0.33
Co2286_A	.2045	ug/L	0.0826	40.3947	3.24
Cr2677_A	.4538	ug/L	0.0653	14.3903	5.12
Cu3273_A	.2177	ug/L	0.1177	54.0838	14.04
Fe2599_R	37.86	ug/L	1.6095	4.2507	86.47
K_7664_R	3778.	ug/L	14.0679	0.3724	3,468.75
Li6707_R	-2.752	ug/L	1.4340	52.1105	-8.77
Mg2025_A	3538.	ug/L	7.6894	0.2173	276.04
Mn2576_R	11.73	ug/L	0.2326	1.9838	114.97
Mo2020_A	.3865	ug/L	0.0682	17.6356	0.52
Na5895_R	8004.	ug/L	4.2085	0.0526	21,697.22
Ni2316_A	7.272	ug/L	0.0791	1.0872	13.49
Pb2203_A	.5577	ug/L	0.0811	14.5452	-0.72
Sb2068_A	-1.349	ug/L	0.2612	19.3572	-0.24
Se1960_A	-2.384	ug/L	1.1543	48.4294	0.53
Si2516_R	3596.	ug/L	6.3054	0.1753	1,831.22
Sn1899_A	-1.039	ug/L	0.8376	80.6147	0.97
Sr4215_R	95.96	ug/L	0.0654	0.0682	10,090.50
Ti3349_A	.2366	ug/L	0.0553	23.3790	-6.07
Tl1908_A	.8717	ug/L	0.2000	22.9455	-0.17
V_2924_A	.0680	ug/L	0.1398	205.4911	2.65
Zn2062_A	.8922	ug/L	0.1890	21.1865	3.03
Pd3404	-.3054	ug/L	0.2539	83.1290	-12.37
Y_3600_R	26029.	Cts/S	198.1321	0.7612	26,028.91
Y_2243_A	6493.6	Cts/S	3.6626	0.0564	6,493.56
Y_3600_A	210690.	Cts/S	277.9031	0.1319	210,688.68

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:49:48
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	505.3	ug/L	0.4242	0.0839	10,391.59
Al3961_R	12340.	ug/L	42.5841	0.3450	13,142.39
As1891_A	502.0	ug/L	1.6241	0.3235	196.82
Au2427_A	481.3	ug/L	7.6430	1.5881	1,492.30
B_2089_A	491.9	ug/L	1.1104	0.2257	569.19
Ba4554_R	484.3	ug/L	0.6639	0.1371	40,221.44
Be3130_R	522.5	ug/L	1.2642	0.2420	78,488.86
Ca3158_R	13110.	ug/L	64.5382	0.4923	8,298.85
Cd2265_A	510.6	ug/L	0.4165	0.0816	5,846.61
Co2286_A	506.1	ug/L	0.7293	0.1441	1,647.62
Cr2677_A	523.8	ug/L	0.6916	0.1320	5,557.24
Cu3273_A	495.2	ug/L	0.6373	0.1287	6,506.69
Fe2599_R	12830.	ug/L	39.8094	0.3102	28,258.19
K_7664_R	12290.	ug/L	44.2583	0.3602	11,126.74
Li6707_R	479.8	ug/L	1.6741	0.3489	8,905.85
Mg2025_A	12140.	ug/L	17.9866	0.1481	948.21
Mn2576_R	515.0	ug/L	0.8929	0.1734	5,116.11
Mo2020_A	500.3	ug/L	1.5658	0.3129	1,154.56
Na5895_R	12070.	ug/L	20.3076	0.1682	32,224.11
Ni2316_A	510.4	ug/L	0.1262	0.0247	942.62
Pb2203_A	516.2	ug/L	0.1665	0.0322	432.41
Sb2068_A	490.4	ug/L	1.6839	0.3434	218.67
Se1960_A	500.5	ug/L	2.7313	0.5457	116.71
Si2516_R	12610.	ug/L	12.6904	0.1006	6,326.97
Sn1899_A	509.3	ug/L	1.2603	0.2475	91.70
Sr4215_R	485.3	ug/L	0.5572	0.1148	50,504.74
Ti3349_A	509.6	ug/L	1.0556	0.2071	14,571.35
Tl1908_A	506.7	ug/L	3.4211	0.6751	263.94
V_2924_A	515.4	ug/L	0.5256	0.1020	6,882.25
Zn2062_A	W 527.1	ug/L	1.2279	0.2330	1,493.10
Pd3404	494.4	ug/L	0.9686	0.1959	2,948.60
Y_3600_R	25728.	Cts/S	149.6367	0.5816	25,727.52
Y_2243_A	6453.1	Cts/S	15.8783	0.2461	6,453.14
Y_3600_A	206460.	Cts/S	275.5144	0.1334	206,461.34

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:54:09
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3009	ug/L	0.0751	24.9635	-16.35
Al3961_R	5.742	ug/L	3.3573	58.4704	-7.66
As1891_A	-.6982	ug/L	0.1865	26.7113	-1.03
Au2427_A	1.741	ug/L	0.5827	33.4667	3.43
B_2089_A	.3780	ug/L	0.4529	119.8050	1.56
Ba4554_R	-.1408	ug/L	0.0675	47.9801	33.90
Be3130_R	.0086	ug/L	0.0117	136.1304	0.39
Ca3158_R	-12.66	ug/L	12.0592	95.2611	-27.45
Cd2265_A	.0255	ug/L	0.0381	149.4182	-0.34
Co2286_A	.1199	ug/L	0.0999	83.3477	2.97
Cr2677_A	.4352	ug/L	0.1216	27.9439	4.92
Cu3273_A	-.1779	ug/L	0.2074	116.5765	8.79
Fe2599_R	2.981	ug/L	1.2996	43.5962	8.67
K_7664_R	118.4	ug/L	4.3264	3.6526	118.21
Li6707_R	-2.079	ug/L	0.3643	17.5215	3.67
Mg2025_A	-1.265	ug/L	1.1390	90.0613	-2.83
Mn2576_R	.0119	ug/L	0.0118	98.7906	-2.62

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:54:09
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.8036	ug/L	0.1744	21.7025	1.49
Na5895_R	103.2	ug/L	7.0375	6.8224	524.47
Ni2316_A	.0162	ug/L	0.1550	956.7255	0.03
Pb2203_A	-.7108	ug/L	0.0778	10.9420	-1.80
Sb2068_A	-1.089	ug/L	0.2954	27.1234	-0.12
Se1960_A	-1.213	ug/L	0.5490	45.2525	0.81
Si2516_R	11.32	ug/L	2.7549	24.3332	15.01
Sn1899_A	-.5225	ug/L	0.6605	126.4043	1.07
Sr4215_R	-.0252	ug/L	0.1425	566.0347	-18.05
Ti3349_A	-.0771	ug/L	0.1920	248.8659	-15.27
Tl1908_A	-.0480	ug/L	0.5709	1,189.0050	-0.65
V_2924_A	.0043	ug/L	0.0125	294.7644	1.86
Zn2062_A	-.0493	ug/L	0.0374	75.9664	0.35
Pd3404	1.981	ug/L	1.3584	68.5577	1.67
Y_3600_R	25825.	Cts/S	81.8765	0.3170	25,825.42
Y_2243_A	6518.9	Cts/S	12.2867	0.1885	6,518.93
Y_3600_A	211430.	Cts/S	834.4657	0.3947	211,434.77

SE2707-013RL

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 19:58:44
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2809	ug/L	0.8084	287.8293	-11.12
Al3961_R	65.45	ug/L	2.8298	4.3238	0.92
As1891_A	-.2929	ug/L	3.5888	1,225.4250	-0.78
Au2427_A	5.365	ug/L	4.2983	80.1243	1.41
B_2089_A	82.47	ug/L	0.1968	0.2386	19.57
Ba4554_R	16.59	ug/L	0.3466	2.0901	322.34
Be3130_R	-.0414	ug/L	0.0786	189.9132	-2.15
Ca3158_R	16900.	ug/L	161.6427	0.9566	2,136.87
Cd2265_A	.2985	ug/L	0.2570	86.0949	0.06
Co2286_A	-.1197	ug/L	0.5702	476.3666	2.49
Cr2677_A	2.016	ug/L	1.5355	76.1662	4.55
Cu3273_A	2.041	ug/L	0.6420	31.4642	16.56
Fe2599_R	43.56	ug/L	4.7827	10.9794	21.38
K_7664_R	4234.	ug/L	94.0000	2.2200	780.98
Li6707_R	-15.22	ug/L	0.8139	5.3489	-14.23
Mg2025_A	3379.	ug/L	6.0050	0.1777	50.56
Mn2576_R	13.53	ug/L	0.8974	6.6308	24.27
Mo2020_A	1.219	ug/L	0.2037	16.7031	0.19
Na5895_R	8378.	ug/L	41.2940	0.4929	4,712.45
Ni2316_A	7.339	ug/L	0.2833	3.8605	2.72
Pb2203_A	-1.002	ug/L	0.0364	3.6309	-1.36
Sb2068_A	-7.360	ug/L	0.9868	13.4070	-0.29
Se1960_A	-7.039	ug/L	4.9084	69.7351	0.76
Si2516_R	3624.	ug/L	9.6789	0.2671	374.25
Sn1899_A	-8.382	ug/L	6.5445	78.0828	0.86
Sr4215_R	96.51	ug/L	0.1140	0.1181	2,004.83
Ti3349_A	-1.119	ug/L	0.4712	42.0950	-19.46
Tl1908_A	2.064	ug/L	1.4399	69.7485	-0.41
V_2924_A	-.0599	ug/L	1.1494	1,920.2134	1.65
Zn2062_A	1.744	ug/L	0.6170	35.3810	1.49
Pd3404	5.997	ug/L	0.3141	5.2367	-3.13
Y_3600_R	25868.	Cts/S	37.3791	0.1445	25,867.85
Y_2243_A	6498.4	Cts/S	8.0581	0.1240	6,498.36
Y_3600_A	210140.	Cts/S	431.5166	0.2054	210,136.13

SE2707-013RS

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:03:19
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	53.54	ug/L	0.1356	0.2533	1,097.85
Al3961_R	2204.	ug/L	16.4431	0.7462	2,376.19
As1891_A	104.7	ug/L	0.5199	0.4964	43.30
Au2427_A	-2.799	ug/L	1.9711	70.4247	-0.15
B_2089_A	595.4	ug/L	2.4489	0.4113	668.31
Ba4554_R	2066.	ug/L	7.1157	0.3445	173,393.66
Be3130_R	56.31	ug/L	0.3468	0.6158	8,527.87
Ca3158_R	19690.	ug/L	117.5468	0.5970	12,620.01
Cd2265_A	261.4	ug/L	0.0249	0.0095	2,952.26
Co2286_A	536.9	ug/L	0.6790	0.1265	1,727.52
Cr2677_A	217.6	ug/L	0.5137	0.2360	2,326.20
Cu3273_A	265.9	ug/L	0.9664	0.3635	3,523.33
Fe2599_R	1300.	ug/L	4.2404	0.3262	2,898.28
K_7664_R	13940.	ug/L	44.3869	0.3183	12,773.39
Li6707_R	504.5	ug/L	1.8149	0.3597	9,472.79
Mg2025_A	8634.	ug/L	6.8474	0.0793	666.08
Mn2576_R	549.6	ug/L	3.4576	0.6291	5,521.57
Mo2020_A	300.2	ug/L	3.9223	1.3065	684.81
Na5895_R	15620.	ug/L	52.4667	0.3358	42,110.92
Ni2316_A	624.8	ug/L	1.0431	0.1669	1,140.83
Pb2203_A	107.3	ug/L	0.7365	0.6866	88.02
Sb2068_A	96.08	ug/L	1.3050	1.3583	42.86
Se1960_A	104.1	ug/L	0.1243	0.1193	24.58
Si2516_R	8936.	ug/L	63.1836	0.7071	4,537.99
Sn1899_A	524.0	ug/L	1.3003	0.2481	93.28
Sr4215_R	606.3	ug/L	3.0789	0.5078	63,839.09
Ti3349_A	516.8	ug/L	0.0726	0.0141	14,880.82
Tl1908_A	104.0	ug/L	0.3353	0.3224	53.48
V_2924_A	541.1	ug/L	0.3855	0.0712	7,307.63
Zn2062_A	571.6	ug/L	0.1082	0.0189	1,602.32
Pd3404	506.2	ug/L	0.4307	0.0851	3,046.39
Y_3600_R	26029.	Cts/S	46.3315	0.1780	26,028.97
Y_2243_A	6381.8	Cts/S	33.3110	0.5220	6,381.84
Y_3600_A	207960.	Cts/S	183.9934	0.0885	207,955.77

SE2707-013RP

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:07:45
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	52.14	ug/L	0.1122	0.2152	1,072.34
Al3961_R	2140.	ug/L	3.0786	0.1438	2,303.39
As1891_A	104.4	ug/L	0.0776	0.0744	43.17
Au2427_A	-1.928	ug/L	0.0979	5.0785	2.23
B_2089_A	587.8	ug/L	1.1947	0.2033	662.08
Ba4554_R	2012.	ug/L	0.2340	0.0116	168,560.87
Be3130_R	55.46	ug/L	0.0672	0.1211	8,383.90
Ca3158_R	19190.	ug/L	121.5636	0.6334	12,277.84
Cd2265_A	255.8	ug/L	0.3954	0.1546	2,898.35
Co2286_A	524.6	ug/L	0.1099	0.0209	1,694.01
Cr2677_A	214.7	ug/L	1.6563	0.7713	2,299.91
Cu3273_A	261.3	ug/L	0.0854	0.0327	3,469.71
Fe2599_R	1108.	ug/L	1.2392	0.1118	2,466.14
K_7664_R	13660.	ug/L	61.6655	0.4516	12,486.14
Li6707_R	493.2	ug/L	1.1585	0.2349	9,243.44
Mg2025_A	8312.	ug/L	18.0473	0.2171	643.36
Mn2576_R	538.8	ug/L	0.2564	0.0476	5,402.96

SE2707-013RP

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:07:45
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	296.0	ug/L	1.9982	0.6751	677.49
Na5895_R	15200.	ug/L	55.8085	0.3672	40,899.92
Ni2316_A	522.9	ug/L	0.6470	0.1237	958.18
Pb2203_A	104.7	ug/L	1.5822	1.5107	86.19
Sb2068_A	93.10	ug/L	0.8701	0.9346	41.72
Se1960_A	102.8	ug/L	1.4090	1.3702	24.38
Si2516_R	8678.	ug/L	34.1084	0.3930	4,399.26
Sn1899_A	498.9	ug/L	3.9533	0.7923	89.17
Sr4215_R	589.8	ug/L	0.3298	0.0559	61,978.19
Ti3349_A	506.6	ug/L	1.8085	0.3570	14,614.50
Tl1908_A	104.5	ug/L	1.1169	1.0688	53.90
V_2924_A	531.6	ug/L	1.2623	0.2375	7,192.79
Zn2062_A	556.7	ug/L	0.7755	0.1393	1,566.16
Pd3404	488.5	ug/L	2.6002	0.5323	2,945.59
Y_3600_R	25980.	Cts/S	52.2295	0.2010	25,980.18
Y_2243_A	6403.9	Cts/S	17.9658	0.2805	6,403.88
Y_3600_A	208370.	Cts/S	339.1055	0.1627	208,374.69

SE2737-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:12:12
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.4784	ug/L	0.2607	54.4954	-8.99
Al3961_R	163.6	ug/L	7.2077	4.4054	163.32
As1891_A	2.583	ug/L	1.4212	55.0245	0.21
Au2427_A	.4056	ug/L	0.7937	195.7053	0.89
B_2089_A	34.72	ug/L	0.2519	0.7256	38.24
Ba4554_R	10.28	ug/L	0.0853	0.8296	903.27
Be3130_R	-.0177	ug/L	0.0530	298.9813	-3.80
Ca3158_R	8807.	ug/L	35.0876	0.3984	5,601.25
Cd2265_A	.2051	ug/L	0.0201	9.7808	3.48
Co2286_A	.8424	ug/L	0.0411	4.8809	5.16
Cr2677_A	12.99	ug/L	0.0551	0.4242	134.38
Cu3273_A	153.4	ug/L	0.0722	0.0471	1,969.86
Fe2599_R	1274.	ug/L	0.8002	0.0628	2,822.94
K_7664_R	24490.	ug/L	223.1018	0.9109	22,299.04
Li6707_R	-1.847	ug/L	0.5383	29.1402	7.99
Mg2025_A	2978.	ug/L	12.7465	0.4281	221.35
Mn2576_R	54.70	ug/L	0.0697	0.1274	544.01
Mo2020_A	3.196	ug/L	0.1802	5.6371	6.73
Na5895_R	124800.	ug/L	1,567.2800	1.2558	332,693.00
Ni2316_A	25.03	ug/L	0.1053	0.4209	44.24
Pb2203_A	4.479	ug/L	0.3745	8.3609	2.49
Sb2068_A	-.5016	ug/L	0.8967	178.7764	0.20
Se1960_A	3.267	ug/L	0.1142	3.4941	1.77
Si2516_R	847.3	ug/L	11.4147	1.3472	435.99
Sn1899_A	46.71	ug/L	0.1498	0.3208	9.08
Sr4215_R	43.10	ug/L	0.3444	0.7991	4,497.21
Ti3349_A	2.423	ug/L	0.4565	18.8403	55.13
Tl1908_A	-.8823	ug/L	0.0810	9.1781	-1.05
V_2924_A	.3902	ug/L	0.1511	38.7189	5.90
Zn2062_A	147.5	ug/L	0.3928	0.2664	401.99
Pd3404	1.155	ug/L	0.6410	55.5153	-3.82
Y_3600_R	25877.	Cts/S	5.5980	0.0216	25,876.67
Y_2243_A	6197.4	Cts/S	28.1595	0.4544	6,197.44
Y_3600_A	200820.	Cts/S	338.6953	0.1687	200,819.51

SE2738-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:16:51
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3147	ug/L	0.0902	28.6589	-21.09
Al3961_R	144.1	ug/L	1.1035	0.7656	166.00
As1891_A	.6057	ug/L	0.0092	1.5205	-0.38
Au2427_A	.0286	ug/L	0.2562	895.8827	-0.39
B_2089_A	139.3	ug/L	1.0551	0.7574	168.96
Ba4554_R	23.63	ug/L	0.0752	0.3184	2,026.05
Be3130_R	-.0171	ug/L	0.0553	322.7471	-3.61
Ca3158_R	25050.	ug/L	70.5403	0.2816	16,041.42
Cd2265_A	.0686	ug/L	0.0175	25.4610	1.10
Co2286_A	.3056	ug/L	0.0899	29.4360	3.52
Cr2677_A	1.416	ug/L	0.0495	3.4921	15.22
Cu3273_A	47.96	ug/L	0.2984	0.6222	635.20
Fe2599_R	675.3	ug/L	4.4365	0.6569	1,504.64
K_7664_R	12870.	ug/L	18.7659	0.1458	11,779.30
Li6707_R	3.082	ug/L	0.7197	23.3477	100.05
Mg2025_A	5531.	ug/L	6.7012	0.1212	418.83
Mn2576_R	56.85	ug/L	0.2065	0.3632	567.84
Mo2020_A	420.1	ug/L	4.8924	1.1646	943.48
Na5895_R	54650.	ug/L	4.0534	0.0074	146,487.80
Ni2316_A	48.91	ug/L	0.1886	0.3855	89.79
Pb2203_A	1.691	ug/L	0.8650	51.1561	-0.18
Sb2068_A	-.8928	ug/L	0.0611	6.8421	-0.09
Se1960_A	.3143	ug/L	0.8801	280.0164	1.13
Si2516_R	1232.	ug/L	12.7510	1.0346	635.27
Sn1899_A	.0975	ug/L	0.6000	615.6772	1.14
Sr4215_R	114.1	ug/L	0.0789	0.0691	11,982.39
Ti3349_A	1.137	ug/L	0.7166	63.0348	25.33
Tl1908_A	1.297	ug/L	0.8475	65.3490	0.04
V_2924_A	.2303	ug/L	0.1353	58.7443	-41.52
Zn2062_A	162.4	ug/L	0.0720	0.0443	448.57
Pd3404	.3462	ug/L	0.0655	18.9301	-9.07
Y_3600_R	25995.	Cts/S	14.4583	0.0556	25,994.74
Y_2243_A	6280.6	Cts/S	21.0788	0.3356	6,280.56
Y_3600_A	204760.	Cts/S	321.3911	0.1570	204,758.52

SE2738-004R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:21:22
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1096	ug/L	0.0390	35.6066	-17.01
Al3961_R	132.3	ug/L	4.0130	3.0329	130.50
As1891_A	.6775	ug/L	0.0727	10.7330	-0.50
Au2427_A	.4507	ug/L	0.2865	63.5697	0.44
B_2089_A	19.39	ug/L	0.3590	1.8517	22.33
Ba4554_R	24.36	ug/L	0.0490	0.2013	2,090.33
Be3130_R	-.0339	ug/L	0.0115	33.9888	-6.10
Ca3158_R	8613.	ug/L	8.3649	0.0971	5,509.68
Cd2265_A	.1205	ug/L	0.0242	20.0875	1.75
Co2286_A	.1819	ug/L	0.1844	101.3379	3.13
Cr2677_A	.6773	ug/L	0.0415	6.1213	7.45
Cu3273_A	63.43	ug/L	0.3670	0.5786	839.60
Fe2599_R	688.0	ug/L	2.3595	0.3430	1,534.71
K_7664_R	23970.	ug/L	60.4893	0.2523	21,954.43
Li6707_R	-1.536	ug/L	0.8833	57.5058	13.87
Mg2025_A	2162.	ug/L	0.1894	0.0088	163.63
Mn2576_R	35.75	ug/L	0.0585	0.1636	356.61

SE2738-004R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:21:22
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	2.133	ug/L	0.3306	15.4954	4.47
Na5895_R	38810.	ug/L	144.2616	0.3717	104,229.25
Ni2316_A	8.382	ug/L	0.2762	3.2954	15.14
Pb2203_A	2.520	ug/L	0.8870	35.1944	0.92
Sb2068_A	-.6647	ug/L	0.5689	85.5941	0.07
Se1960_A	-1.134	ug/L	0.0321	2.8323	0.81
Si2516_R	738.3	ug/L	8.0203	1.0863	383.36
Sn1899_A	2.065	ug/L	0.2555	12.3720	1.49
Sr4215_R	30.60	ug/L	0.0100	0.0327	3,206.73
Ti3349_A	.2798	ug/L	0.1203	43.0048	-4.66
Tl1908_A	.0231	ug/L	0.5204	2,255.6016	-0.61
V_2924_A	.2600	ug/L	0.3591	138.1348	4.79
Zn2062_A	75.27	ug/L	0.0814	0.1081	210.11
Pd3404	.4533	ug/L	0.3560	78.5489	-7.83
Y_3600_R	26028.	Cts/S	61.6690	0.2369	26,027.99
Y_2243_A	6339.3	Cts/S	23.9488	0.3778	6,339.32
Y_3600_A	205490.	Cts/S	754.3847	0.3671	205,491.98

SE2770-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:25:57
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0285	ug/L	0.0468	163.9484	-14.02
Al3961_R	122.5	ug/L	8.6004	7.0227	128.60
As1891_A	.1747	ug/L	0.7062	404.2968	-0.64
Au2427_A	-.5768	ug/L	0.0912	15.8063	-2.61
B_2089_A	184.5	ug/L	0.4971	0.2694	206.42
Ba4554_R	87.78	ug/L	0.3799	0.4328	7,427.58
Be3130_R	-.0161	ug/L	0.0002	1.1366	-3.57
Ca3158_R	20550.	ug/L	194.1067	0.9447	13,198.39
Cd2265_A	.0555	ug/L	0.0159	28.6978	0.97
Co2286_A	1.229	ug/L	0.1036	8.4265	6.43
Cr2677_A	.6630	ug/L	0.1844	27.8124	7.33
Cu3273_A	48.75	ug/L	0.3775	0.7743	651.01
Fe2599_R	658.7	ug/L	1.2733	0.1933	1,472.71
K_7664_R	13360.	ug/L	65.8482	0.4930	12,261.85
Li6707_R	3.366	ug/L	1.1365	33.7686	105.76
Mg2025_A	4151.	ug/L	23.8092	0.5736	314.51
Mn2576_R	38.21	ug/L	0.2310	0.6045	382.06
Mo2020_A	127.1	ug/L	1.1975	0.9421	285.96
Na5895_R	51590.	ug/L	113.4572	0.2199	138,766.38
Ni2316_A	7.938	ug/L	0.0102	0.1285	14.86
Pb2203_A	2.046	ug/L	0.1000	4.8894	0.40
Sb2068_A	-1.324	ug/L	0.0621	4.6895	-0.23
Se1960_A	-.8450	ug/L	0.3788	44.8255	0.87
Si2516_R	1250.	ug/L	0.4304	0.0344	644.73
Sn1899_A	1.011	ug/L	0.0018	0.1825	1.30
Sr4215_R	99.99	ug/L	0.0057	0.0057	10,537.00
Ti3349_A	2.345	ug/L	0.1687	7.1918	56.10
Tl1908_A	.7535	ug/L	0.5009	66.4784	-0.23
V_2924_A	.0922	ug/L	0.2877	311.9503	-11.25
Zn2062_A	99.31	ug/L	0.3710	0.3735	275.23
Pd3404	.1766	ug/L	0.4134	234.0524	-9.70
Y_3600_R	26083.	Cts/S	162.0239	0.6212	26,083.34
Y_2243_A	6297.1	Cts/S	34.0990	0.5415	6,297.13
Y_3600_A	206530.	Cts/S	632.4104	0.3062	206,532.95

SE2770-008R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:30:29
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.1529	ug/L	0.2007	131.2126	-16.16
Al3961_R	35.63	ug/L	3.0849	8.6584	26.14
As1891_A	.7008	ug/L	0.0207	2.9586	-0.50
Au2427_A	.1305	ug/L	0.1570	120.2634	-0.55
B_2089_A	14.58	ug/L	0.3822	2.6211	16.87
Ba4554_R	7.219	ug/L	0.0795	1.1013	656.78
Be3130_R	-.0008	ug/L	0.0070	860.9433	-1.16
Ca3158_R	6590.	ug/L	17.9582	0.2725	4,243.61
Cd2265_A	.0503	ug/L	0.0208	41.3443	1.84
Co2286_A	.2456	ug/L	0.0868	35.3294	3.33
Cr2677_A	.7729	ug/L	0.0307	3.9766	8.59
Cu3273_A	51.66	ug/L	0.0795	0.1539	693.22
Fe2599_R	1282.	ug/L	15.8147	1.2337	2,879.65
K_7664_R	18750.	ug/L	1.0128	0.0054	17,303.25
Li6707_R	-1.835	ug/L	0.7826	42.6611	8.36
Mg2025_A	1555.	ug/L	9.1089	0.5858	115.86
Mn2576_R	25.23	ug/L	0.1098	0.4353	252.87
Mo2020_A	1.036	ug/L	0.1212	11.7071	1.96
Na5895_R	35010.	ug/L	41.2473	0.1178	94,775.98
Ni2316_A	6.742	ug/L	0.0910	1.3498	12.01
Pb2203_A	1.732	ug/L	0.6041	34.8873	0.28
Sb2068_A	-.6268	ug/L	0.1075	17.1461	0.08
Se1960_A	-.2163	ug/L	1.3723	634.3972	1.01
Si2516_R	692.4	ug/L	7.2197	1.0427	362.83
Sn1899_A	2.149	ug/L	0.8476	39.4373	1.49
Sr4215_R	27.20	ug/L	0.1029	0.3783	2,870.62
Ti3349_A	1.276	ug/L	0.0768	6.0170	23.95
Tl1908_A	.7311	ug/L	0.4229	57.8421	-0.24
V_2924_A	.0351	ug/L	0.1456	415.1513	2.10
Zn2062_A	42.79	ug/L	0.0440	0.1028	118.55
Pd3404	.7983	ug/L	0.7851	98.3445	-6.08
Y_3600_R	26228.	Cts/S	75.4987	0.2879	26,228.28
Y_2243_A	6280.1	Cts/S	31.5074	0.5017	6,280.14
Y_3600_A	207740.	Cts/S	116.5112	0.0561	207,744.99

SE2798-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:35:04
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	1.704	ug/L	0.1139	6.6810	16.62
Al3961_R	151.5	ug/L	1.8967	1.2521	162.57
As1891_A	.5451	ug/L	0.1204	22.0940	-0.47
Au2427_A	.3489	ug/L	0.5250	150.4748	0.39
B_2089_A	105.7	ug/L	0.0015	0.0014	121.64
Ba4554_R	715.4	ug/L	0.8848	0.1237	59,882.99
Be3130_R	-.0408	ug/L	0.0120	29.3993	-7.40
Ca3158_R	17940.	ug/L	43.3997	0.2420	11,456.54
Cd2265_A	.0972	ug/L	0.0277	28.4872	2.16
Co2286_A	.2059	ug/L	0.1831	88.9593	3.15
Cr2677_A	1.266	ug/L	0.0200	1.5824	13.52
Cu3273_A	75.40	ug/L	0.4672	0.6197	981.70
Fe2599_R	1178.	ug/L	6.2637	0.5318	2,617.28
K_7664_R	23840.	ug/L	37.4805	0.1572	21,762.11
Li6707_R	-1.260	ug/L	0.7789	61.8287	19.02
Mg2025_A	3921.	ug/L	19.5501	0.4986	289.98
Mn2576_R	40.52	ug/L	0.0173	0.0426	403.21

SE2798-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:35:04
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	216.3	ug/L	1.8948	0.8761	475.42
Na5895_R	56620.	ug/L	12.7961	0.0226	151,452.05
Ni2316_A	8.061	ug/L	0.2248	2.7892	15.11
Pb2203_A	2.905	ug/L	1.3511	46.5105	1.00
Sb2068_A	-1.467	ug/L	1.1847	80.7739	-0.29
Se1960_A	-2.221	ug/L	1.3841	62.3219	0.54
Si2516_R	1111.	ug/L	5.6821	0.5113	571.59
Sn1899_A	3.485	ug/L	0.3768	10.8098	1.69
Sr4215_R	82.60	ug/L	0.2299	0.2783	8,654.89
Ti3349_A	3.423	ug/L	0.0943	2.7541	86.46
Tl1908_A	1.104	ug/L	0.0594	5.3823	-0.05
V_2924_A	.2936	ug/L	0.2893	98.5451	-17.96
Zn2062_A	123.6	ug/L	0.0436	0.0353	334.51
Pd3404	.9079	ug/L	0.4954	54.5687	-5.55
Y_3600_R	25942.	Cts/S	214.6705	0.8275	25,942.22
Y_2243_A	6149.6	Cts/S	20.8601	0.3392	6,149.58
Y_3600_A	202560.	Cts/S	586.4429	0.2895	202,559.94

SE2798-003R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:39:38
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0612	ug/L	0.2150	351.4299	-16.23
Al3961_R	87.63	ug/L	6.2226	7.1009	82.85
As1891_A	1.570	ug/L	0.3968	25.2726	-0.17
Au2427_A	.5589	ug/L	0.9779	174.9655	0.80
B_2089_A	14.26	ug/L	0.0198	0.1388	16.37
Ba4554_R	26.09	ug/L	0.3356	1.2864	2,239.89
Be3130_R	-.0165	ug/L	0.0071	43.2792	-3.42
Ca3158_R	10080.	ug/L	37.5444	0.3723	6,466.62
Cd2265_A	.0582	ug/L	0.0488	83.8820	1.09
Co2286_A	.2337	ug/L	0.0468	20.0183	3.23
Cr2677_A	1.002	ug/L	0.1669	16.6596	10.83
Cu3273_A	39.89	ug/L	0.0697	0.1747	529.86
Fe2599_R	726.4	ug/L	5.4815	0.7547	1,623.41
K_7664_R	22460.	ug/L	38.7475	0.1725	20,611.11
Li6707_R	-2.204	ug/L	0.2165	9.8194	1.37
Mg2025_A	2996.	ug/L	7.9773	0.2663	223.48
Mn2576_R	37.39	ug/L	0.1154	0.3087	373.84
Mo2020_A	1.233	ug/L	0.1958	15.8737	2.38
Na5895_R	35470.	ug/L	84.1591	0.2372	95,484.75
Ni2316_A	8.635	ug/L	0.0189	0.2189	15.30
Pb2203_A	1.179	ug/L	0.2220	18.8265	-0.18
Sb2068_A	-.5398	ug/L	0.9411	174.3472	0.12
Se1960_A	-1.373	ug/L	0.7686	55.9812	0.74
Si2516_R	723.5	ug/L	1.2725	0.1759	376.56
Sn1899_A	-1.173	ug/L	1.5552	132.5424	0.91
Sr4215_R	34.41	ug/L	0.1937	0.5628	3,615.15
Ti3349_A	-.0902	ug/L	0.3580	396.6753	-15.15
Tl1908_A	.8092	ug/L	0.3471	42.8966	-0.21
V_2924_A	.2663	ug/L	0.3019	113.3661	4.92
Zn2062_A	91.05	ug/L	0.3702	0.4066	249.24
Pd3404	-.5166	ug/L	0.1270	24.5812	-13.58
Y_3600_R	26079.	Cts/S	67.9767	0.2607	26,078.82
Y_2243_A	6219.4	Cts/S	14.7043	0.2364	6,219.38
Y_3600_A	204640.	Cts/S	25.8651	0.0126	204,643.52

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:44:12
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	505.1	ug/L	2.4246	0.4800	10,193.20
Al3961_R	12620.	ug/L	36.5234	0.2894	13,276.47
As1891_A	506.5	ug/L	0.2016	0.0398	192.51
Au2427_A	W 450.8	ug/L	11.0688	2.4555	1,356.14
B_2089_A	503.5	ug/L	1.5249	0.3028	564.90
Ba4554_R	490.1	ug/L	0.5782	0.1180	40,208.97
Be3130_R	524.8	ug/L	0.7415	0.1413	77,891.54
Ca3158_R	12310.	ug/L	56.5288	0.4592	7,699.12
Cd2265_A	500.5	ug/L	0.3964	0.0792	5,557.90
Co2286_A	511.1	ug/L	0.5796	0.1134	1,613.07
Cr2677_A	520.8	ug/L	0.9758	0.1874	5,423.03
Cu3273_A	503.5	ug/L	1.4310	0.2842	6,492.63
Fe2599_R	12950.	ug/L	22.0873	0.1706	28,171.53
K_7664_R	12530.	ug/L	17.0526	0.1361	11,213.93
Li6707_R	483.0	ug/L	0.1331	0.0276	8,858.15
Mg2025_A	W 11640.	ug/L	29.7726	0.2558	881.09
Mn2576_R	521.7	ug/L	1.9093	0.3660	5,119.66
Mo2020_A	513.2	ug/L	1.0697	0.2084	1,148.26
Na5895_R	11960.	ug/L	13.3541	0.1117	31,538.44
Ni2316_A	507.4	ug/L	0.1165	0.0230	908.67
Pb2203_A	524.3	ug/L	1.1936	0.2276	425.85
Sb2068_A	496.4	ug/L	1.3094	0.2638	214.58
Se1960_A	510.7	ug/L	0.0438	0.0086	115.46
Si2516_R	12470.	ug/L	15.4653	0.1240	6,180.47
Sn1899_A	474.8	ug/L	2.8940	0.6096	82.96
Sr4215_R	486.7	ug/L	0.1279	0.0263	50,037.59
Ti3349_A	516.2	ug/L	3.0996	0.6004	14,487.10
Tl1908_A	498.7	ug/L	7.2488	1.4536	251.85
V_2924_A	518.6	ug/L	2.5316	0.4881	6,795.75
Zn2062_A	525.6	ug/L	0.3753	0.0714	1,443.55
Pd3404	492.3	ug/L	2.0463	0.4156	2,881.69
Y_3600_R	25419.	Cts/S	44.3046	0.1743	25,418.61
Y_2243_A	6256.9	Cts/S	0.3216	0.0051	6,256.93
Y_3600_A	202630.	Cts/S	444.8240	0.2195	202,627.01

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:48:35
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0416	ug/L	0.0285	68.4998	-10.59
Al3961_R	4.365	ug/L	1.3013	29.8125	-8.94
As1891_A	-.8670	ug/L	0.3230	37.2572	-1.08
Au2427_A	5.109	ug/L	0.0020	0.0392	13.64
B_2089_A	.6437	ug/L	0.1297	20.1421	1.83
Ba4554_R	-.0259	ug/L	0.0829	320.3991	42.59
Be3130_R	.0229	ug/L	0.0023	10.1926	2.48
Ca3158_R	-11.04	ug/L	5.6270	50.9738	-25.89
Cd2265_A	.0249	ug/L	0.0276	110.8246	-0.34
Co2286_A	-.0613	ug/L	0.0480	78.3434	2.33
Cr2677_A	.3312	ug/L	0.0601	18.1431	3.71
Cu3273_A	-.1833	ug/L	0.3309	180.5796	8.51
Fe2599_R	3.051	ug/L	0.1369	4.4873	8.66
K_7664_R	145.0	ug/L	6.3770	4.3980	139.49
Li6707_R	-.5944	ug/L	0.2441	41.0666	30.59
Mg2025_A	-11.74	ug/L	3.1556	26.8727	-3.59
Mn2576_R	.1495	ug/L	0.0184	12.3122	-1.22

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:48:35
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	1.108	ug/L	0.1478	13.3410	2.16
Na5895_R	117.9	ug/L	0.0237	0.0201	552.63
Ni2316_A	-.2674	ug/L	0.0004	0.1476	-0.49
Pb2203_A	-.3836	ug/L	0.9141	238.2758	-1.49
Sb2068_A	-.1365	ug/L	0.1606	117.6897	0.29
Se1960_A	-1.101	ug/L	0.4942	44.8837	0.82
Si2516_R	5.876	ug/L	7.8890	134.2663	12.02
Sn1899_A	-.2099	ug/L	1.2716	605.6903	1.10
Sr4215_R	-.0220	ug/L	0.0476	216.3565	-17.39
Ti3349_A	.0635	ug/L	0.1411	222.1443	-10.89
Tl1908_A	3.238	ug/L	0.7936	24.5075	1.06
V_2924_A	-.1408	ug/L	0.0354	25.1440	-0.17
Zn2062_A	-.0290	ug/L	0.0088	30.3389	0.40
Pd3404	.7126	ug/L	1.1094	155.6874	-5.98
Y_3600_R	25315.	Cts/S	64.9032	0.2564	25,314.69
Y_2243_A	6395.5	Cts/S	6.5590	0.1026	6,395.53
Y_3600_A	206600.	Cts/S	587.7944	0.2845	206,597.21

SE2832-001

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:53:11
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2071	ug/L	0.1392	67.2428	-14.73
Al3961_R	54.01	ug/L	5.7361	10.6212	54.50
As1891_A	34.07	ug/L	1.0448	3.0668	11.84
Au2427_A	1.847	ug/L	0.8405	45.5191	3.76
B_2089_A	134.3	ug/L	0.0503	0.0375	146.88
Ba4554_R	57.26	ug/L	0.3121	0.5450	4,765.33
Be3130_R	.0458	ug/L	0.0095	20.8412	5.90
Ca3158_R	33270.	ug/L	208.6288	0.6271	20,957.73
Cd2265_A	1.215	ug/L	0.0086	0.7113	12.89
Co2286_A	-.0163	ug/L	0.0438	267.9255	2.40
Cr2677_A	40.63	ug/L	0.0107	0.0262	413.90
Cu3273_A	42.68	ug/L	0.4486	1.0510	548.39
Fe2599_R	179.3	ug/L	1.7493	0.9758	394.31
K_7664_R	179800.	ug/L	59.3143	0.0330	161,682.41
Li6707_R	5.749	ug/L	0.6935	12.0643	147.41
Mg2025_A	5903.	ug/L	3.0527	0.0517	438.53
Mn2576_R	7.491	ug/L	0.1244	1.6603	71.05
Mo2020_A	82.30	ug/L	0.4887	0.5938	180.98
Na5895_R	113700.	ug/L	30.1481	0.0265	299,530.66
Ni2316_A	8.778	ug/L	0.0522	0.5943	15.83
Pb2203_A	8.952	ug/L	0.6805	7.6022	5.99
Sb2068_A	.9324	ug/L	0.6490	69.6037	0.94
Se1960_A	1.760	ug/L	0.3125	17.7566	1.42
Si2516_R	17840.	ug/L	160.7289	0.9009	8,886.12
Sn1899_A	.7689	ug/L	1.0888	141.6030	1.23
Sr4215_R	202.3	ug/L	0.6660	0.3293	20,908.95
Ti3349_A	1.319	ug/L	0.1407	10.6650	25.22
Tl1908_A	2.466	ug/L	1.5162	61.4948	0.64
V_2924_A	3.266	ug/L	0.1604	4.9106	34.51
Zn2062_A	26.32	ug/L	0.1530	0.5813	71.57
Pd3404	-.0197	ug/L	0.0634	320.8508	-10.16
Y_3600_R	25567.	Cts/S	236.5238	0.9251	25,566.90
Y_2243_A	6159.2	Cts/S	21.9592	0.3565	6,159.17
Y_3600_A	198200.	Cts/S	9.2400	0.0047	198,203.64

PBWBE24ICW2

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 20:57:43
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0955	ug/L	0.1498	156.8349	-11.91
Al3961_R	4.565	ug/L	0.3062	6.7073	-8.84
As1891_A	.5035	ug/L	0.3229	64.1299	-0.56
Au2427_A	1.136	ug/L	0.7765	68.3368	1.55
B_2089_A	.5207	ug/L	0.1991	38.2312	1.70
Ba4554_R	-.1280	ug/L	0.3711	289.9439	34.72
Be3130_R	-.0126	ug/L	0.0130	103.0646	-2.79
Ca3158_R	-5.010	ug/L	3.6259	72.3690	-22.35
Cd2265_A	.0349	ug/L	0.0331	94.8282	-0.23
Co2286_A	.0253	ug/L	0.0432	170.5419	2.65
Cr2677_A	.3762	ug/L	0.1623	43.1459	4.25
Cu3273_A	-.0745	ug/L	0.1223	164.2419	10.10
Fe2599_R	5.901	ug/L	0.0815	1.3815	14.99
K_7664_R	W 731.1	ug/L	13.8501	1.8943	668.39
Li6707_R	-2.061	ug/L	0.2798	13.5749	3.96
Mg2025_A	-2.743	ug/L	1.3829	50.4186	-2.93
Mn2576_R	.2270	ug/L	0.0820	36.1097	-0.47
Mo2020_A	.7383	ug/L	0.1116	15.1093	1.33
Na5895_R	253.5	ug/L	7.4269	2.9297	915.63
Ni2316_A	1.985	ug/L	0.1758	8.8577	3.68
Pb2203_A	.0420	ug/L	1.1937	2,844.3247	-1.15
Sb2068_A	-.2641	ug/L	1.4408	545.6340	0.24
Se1960_A	-.7445	ug/L	0.7807	104.8582	0.91
Si2516_R	12.65	ug/L	0.4255	3.3641	15.53
Sn1899_A	-.2162	ug/L	0.0437	20.2326	1.12
Sr4215_R	-.0294	ug/L	0.1027	349.1262	-18.38
Ti3349_A	-.0980	ug/L	0.2321	236.8756	-15.76
Tl1908_A	.6946	ug/L	0.2471	35.5817	-0.26
V_2924_A	-.1058	ug/L	0.1040	98.3161	0.34
Zn2062_A	.3925	ug/L	0.0016	0.4039	1.61
Pd3404	1.022	ug/L	0.5515	53.9497	-4.21
Y_3600_R	25588.	Cts/S	149.6889	0.5850	25,587.86
Y_2243_A	6480.1	Cts/S	6.3005	0.0972	6,480.12
Y_3600_A	209940.	Cts/S	1,026.5260	0.4890	209,941.95

LCSWBE24ICW2

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:02:20
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0533	ug/L	0.3073	576.0570	-8.77
Al3961_R	5.320	ug/L	6.0595	113.9094	-8.07
As1891_A	-.9627	ug/L	0.6772	70.3468	-1.13
Au2427_A	958.7	ug/L	10.1558	1.0593	2,947.34
B_2089_A	.7287	ug/L	0.2170	29.7842	1.90
Ba4554_R	-.2154	ug/L	0.0266	12.3646	27.50
Be3130_R	-.0215	ug/L	0.0063	29.1649	-4.12
Ca3158_R	-3.715	ug/L	2.8301	76.1691	-21.60
Cd2265_A	.0217	ug/L	0.0183	84.3938	-0.38
Co2286_A	-.0547	ug/L	0.0422	77.0689	2.38
Cr2677_A	.3947	ug/L	0.2390	60.5531	4.45
Cu3273_A	-.1409	ug/L	0.0631	44.7910	9.20
Fe2599_R	7.701	ug/L	0.7172	9.3135	18.98
K_7664_R	379.5	ug/L	0.2062	0.0543	353.06
Li6707_R	-2.592	ug/L	0.0896	3.4575	-5.80
Mg2025_A	.7877	ug/L	0.3221	40.8992	-2.64
Mn2576_R	.5465	ug/L	0.0623	11.3914	2.69

LCSWBE24ICW2

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:02:20
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.1781	ug/L	0.0878	49.2862	0.03
Na5895_R	176.7	ug/L	2.7472	1.5548	715.46
Ni2316_A	2.335	ug/L	0.2370	10.1498	4.30
Pb2203_A	-.3008	ug/L	0.1767	58.7264	-1.44
Sb2068_A	-.6083	ug/L	0.5462	89.8020	0.09
Se1960_A	.0627	ug/L	1.1801	1,882.6815	1.09
Si2516_R	16.78	ug/L	3.2239	19.2126	17.64
Sn1899_A	-.0687	ug/L	1.4651	2,131.2398	1.14
Sr4215_R	-.0600	ug/L	0.0401	66.9543	-21.57
Ti3349_A	-.0714	ug/L	0.0996	139.5351	-14.98
Tl1908_A	1.096	ug/L	0.6900	62.9306	-0.05
V_2924_A	.1400	ug/L	0.0374	26.7102	3.76
Zn2062_A	.3389	ug/L	0.0331	9.7732	1.45
Pd3404	.5598	ug/L	0.0494	8.8296	-7.01
Y_3600_R	25661.	Cts/S	108.5010	0.4228	25,661.50
Y_2243_A	6453.7	Cts/S	13.3068	0.2062	6,453.71
Y_3600_A	209610.	Cts/S	118.8585	0.0567	209,608.03

LC2WBE24ICW2

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:06:55
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1874	ug/L	0.0314	16.7453	-13.89
Al3961_R	1.886	ug/L	1.0270	54.4618	-11.76
As1891_A	-.9442	ug/L	0.0033	0.3454	-1.12
Au2427_A	998.0	ug/L	8.5577	0.8574	3,061.91
B_2089_A	.1401	ug/L	0.3369	240.4331	1.25
Ba4554_R	-.1878	ug/L	0.1096	58.3290	29.86
Be3130_R	-.0068	ug/L	0.0352	521.5485	-1.90
Ca3158_R	-2.734	ug/L	8.3122	304.0091	-21.03
Cd2265_A	.0273	ug/L	0.0242	88.5968	-0.31
Co2286_A	.1562	ug/L	0.0346	22.1308	3.05
Cr2677_A	.5768	ug/L	0.1562	27.0796	6.41
Cu3273_A	.0699	ug/L	0.3038	434.6760	12.02
Fe2599_R	10.64	ug/L	0.3427	3.2210	25.52
K_7664_R	219.9	ug/L	24.3227	11.0602	209.59
Li6707_R	-1.556	ug/L	0.0441	2.8373	13.33
Mg2025_A	.4726	ug/L	1.9834	419.7148	-2.66
Mn2576_R	.5894	ug/L	0.4662	79.0925	3.12
Mo2020_A	.3005	ug/L	0.1417	47.1663	0.32
Na5895_R	128.5	ug/L	9.7634	7.5953	589.92
Ni2316_A	2.083	ug/L	0.1663	7.9819	3.83
Pb2203_A	-.5966	ug/L	0.2817	47.2208	-1.68
Sb2068_A	-.1584	ug/L	0.3454	218.0370	0.29
Se1960_A	-.1153	ug/L	1.0439	905.6264	1.05
Si2516_R	12.03	ug/L	2.6859	22.3171	15.31
Sn1899_A	.4436	ug/L	0.2967	66.8958	1.23
Sr4215_R	-.0413	ug/L	0.0921	222.8929	-19.71
Ti3349_A	-.1938	ug/L	0.0850	43.8499	-18.56
Tl1908_A	.7241	ug/L	0.7336	101.3184	-0.24
V_2924_A	-.0013	ug/L	0.4347	33,979.0891	1.81
Zn2062_A	.7570	ug/L	0.1239	16.3689	2.63
Pd3404	.7358	ug/L	0.4464	60.6580	-5.95
Y_3600_R	25736.	Cts/S	61.3846	0.2385	25,735.72
Y_2243_A	6440.0	Cts/S	8.7114	0.1353	6,440.01
Y_3600_A	209790.	Cts/S	164.7269	0.0785	209,793.20

SE2756-001

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:11:32
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-6.896	ug/L	4.9487	71.7660	-12.54
Al3961_R	233.8	ug/L	102.4864	43.8360	-8.83
As1891_A	-21.76	ug/L	30.1132	138.3576	-0.92
Au2427_A	395400.	ug/L	689.6880	0.1744	24,074.14
B_2089_A	54.20	ug/L	11.5966	21.3965	2.27
Ba4554_R	-7.999	ug/L	6.9980	87.4844	32.29
Be3130_R	.1241	ug/L	1.0122	815.4227	-0.55
Ca3158_R	-166.7	ug/L	79.0052	47.3877	-21.47
Cd2265_A	9.740	ug/L	0.2308	2.3697	1.57
Co2286_A	-4.748	ug/L	10.4627	220.3447	2.23
Cr2677_A	10.05	ug/L	3.6907	36.7189	2.32
Cu3273_A	-6.057	ug/L	7.0859	116.9910	9.29
Fe2599_R	103.3	ug/L	68.6082	66.4050	6.64
K_7664_R	422600.	ug/L	385.3955	0.0912	7,676.99
Li6707_R	-105.5	ug/L	40.1104	38.0073	3.03
Mg2025_A	376.4	ug/L	29.4452	7.8221	-2.09
Mn2576_R	7.882	ug/L	4.7363	60.0872	-1.17
Mo2020_A	3.141	ug/L	2.4402	77.6779	-0.23
Na5895_R	1582000.	ug/L	4,210.9824	0.2662	84,262.53
Ni2316_A	357.1	ug/L	7.5260	2.1073	13.03
Pb2203_A	-9.613	ug/L	16.3835	170.4310	-1.33
Sb2068_A	-7.209	ug/L	9.7590	135.3645	0.29
Se1960_A	-39.62	ug/L	18.3521	46.3235	0.89
Si2516_R	379.3	ug/L	50.6361	13.3513	13.11
Sn1899_A	-96.11	ug/L	62.7299	65.2717	0.80
Sr4215_R	2.727	ug/L	0.3333	12.2200	-9.74
Ti3349_A	.3149	ug/L	1.1860	376.6766	-12.50
Tl1908_A	396.3	ug/L	11.3041	2.8527	3.48
V_2924_A	1.809	ug/L	10.3677	573.1575	2.32
Zn2062_A	24.91	ug/L	3.8577	15.4838	1.88
Pd3404	.1452	ug/L	52.5251	36,183.7257	-10.20
Y_3600_R	25796.	Cts/S	175.9373	0.6820	25,795.55
Y_2243_A	6387.4	Cts/S	15.5569	0.2436	6,387.42
Y_3600_A	205780.	Cts/S	593.8355	0.2886	205,784.09

SE2756-001D

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:16:07
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-6.789	ug/L	0.7351	10.8289	-12.47
Al3961_R	78.44	ug/L	104.7923	133.6002	-12.07
As1891_A	-24.49	ug/L	12.4999	51.0421	-0.92
Au2427_A	389800.	ug/L	667.4160	0.1712	23,542.32
B_2089_A	64.54	ug/L	6.8461	10.6076	2.48
Ba4554_R	-5.698	ug/L	4.9227	86.3973	35.91
Be3130_R	-1.693	ug/L	0.6288	37.1484	-6.01
Ca3158_R	-91.37	ug/L	55.7413	61.0034	-20.41
Cd2265_A	8.758	ug/L	1.9452	22.2103	1.34
Co2286_A	.0104	ug/L	5.5893	53,832.7748	2.51
Cr2677_A	5.745	ug/L	0.1764	3.0698	1.40
Cu3273_A	-10.51	ug/L	19.5692	186.2298	8.09
Fe2599_R	145.7	ug/L	113.3138	77.7593	8.47
K_7664_R	414900.	ug/L	1,304.1374	0.3143	7,500.65
Li6707_R	-122.8	ug/L	42.6215	34.7111	-3.26
Mg2025_A	61.59	ug/L	203.8994	331.0385	-2.56
Mn2576_R	17.67	ug/L	8.7392	49.4623	0.77

SE2756-001D

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:16:07
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	9.280	ug/L	1.5874	17.1048	0.05
Na5895_R	1558000.	ug/L	3,190.9540	0.2048	82,579.08
Ni2316_A	351.8	ug/L	1.6060	0.4565	12.74
Pb2203_A	11.76	ug/L	20.0268	170.2642	-0.96
Sb2068_A	-8.109	ug/L	52.8906	652.2340	0.28
Se1960_A	-97.21	ug/L	39.7594	40.8989	0.62
Si2516_R	374.2	ug/L	123.7154	33.0577	13.00
Sn1899_A	-10.88	ug/L	63.7649	586.1037	1.09
Sr4215_R	-.4759	ug/L	4.9352	1,037.0417	-16.36
Ti3349_A	11.72	ug/L	0.3065	2.6162	-5.98
Tl1908_A	427.1	ug/L	23.9126	5.5986	3.77
V_2924_A	2.885	ug/L	6.9272	240.1321	2.59
Zn2062_A	20.70	ug/L	6.8311	33.0003	1.63
Pd3404	76.25	ug/L	38.6520	50.6911	-1.10
Y_3600_R	25666.	Cts/S	104.7385	0.4081	25,665.66
Y_2243_A	6335.3	Cts/S	10.8793	0.1717	6,335.34
Y_3600_A	205220.	Cts/S	539.3889	0.2628	205,220.56

PBWBE24ICW1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:20:44
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2032	ug/L	0.2834	139.4654	-14.17
Al3961_R	4.583	ug/L	1.5416	33.6361	-8.91
As1891_A	-.4349	ug/L	0.1749	40.2142	-0.91
Au2427_A	18.77	ug/L	1.5008	7.9975	55.58
B_2089_A	.4963	ug/L	0.1070	21.5685	1.64
Ba4554_R	-.1077	ug/L	0.2359	219.0421	36.56
Be3130_R	-.0275	ug/L	0.0081	29.5054	-5.07
Ca3158_R	-1.238	ug/L	7.4638	602.8647	-20.13
Cd2265_A	.0025	ug/L	0.0177	712.9957	-0.59
Co2286_A	.0719	ug/L	0.0901	125.2621	2.77
Cr2677_A	.4154	ug/L	0.0014	0.3344	4.66
Cu3273_A	-.0570	ug/L	0.0672	117.8905	10.30
Fe2599_R	10.21	ug/L	0.7359	7.2092	24.63
K_7664_R	182.7	ug/L	21.6794	11.8647	176.45
Li6707_R	-2.678	ug/L	0.7244	27.0489	-7.46
Mg2025_A	-3.520	ug/L	0.1649	4.6838	-2.96
Mn2576_R	W 2.575	ug/L	0.2744	10.6564	22.93
Mo2020_A	.1503	ug/L	0.0211	14.0065	-0.03
Na5895_R	136.7	ug/L	2.0542	1.5031	613.01
Ni2316_A	.9713	ug/L	0.0327	3.3704	1.78
Pb2203_A	-.4371	ug/L	0.5914	135.3061	-1.54
Sb2068_A	-.4015	ug/L	0.2112	52.5981	0.18
Se1960_A	-1.810	ug/L	0.9143	50.5096	0.66
Si2516_R	23.82	ug/L	6.6922	28.0940	21.26
Sn1899_A	-1.717	ug/L	2.5381	147.8286	0.84
Sr4215_R	.0030	ug/L	0.0387	1,284.3266	-15.11
Ti3349_A	.0127	ug/L	0.0279	220.2127	-12.52
Tl1908_A	.0199	ug/L	0.1503	754.9461	-0.61
V_2924_A	-.0328	ug/L	0.2058	627.6185	1.38
Zn2062_A	1.257	ug/L	0.0566	4.5063	4.03
Pd3404	1.612	ug/L	0.2554	15.8462	-0.61
Y_3600_R	25800.	Cts/S	135.4088	0.5248	25,800.26
Y_2243_A	6424.2	Cts/S	10.7375	0.1671	6,424.23
Y_3600_A	209300.	Cts/S	1,060.2881	0.5066	209,295.82

LCSWBE24ICW1

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:25:21
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	51.62	ug/L	0.2288	0.4433	1,050.98
Al3961_R	2182.	ug/L	0.3263	0.0150	2,314.01
As1891_A	102.4	ug/L	0.8279	0.8083	42.37
Au2427_A	4.159	ug/L	0.5951	14.3075	20.90
B_2089_A	509.8	ug/L	0.5639	0.1106	573.94
Ba4554_R	2057.	ug/L	1.8768	0.0913	170,027.77
Be3130_R	56.84	ug/L	0.0962	0.1693	8,476.67
Ca3158_R	2554.	ug/L	0.4738	0.0186	1,595.20
Cd2265_A	255.7	ug/L	0.2557	0.1000	2,881.67
Co2286_A	542.2	ug/L	0.6034	0.1113	1,741.24
Cr2677_A	222.0	ug/L	0.3792	0.1708	2,355.60
Cu3273_A	268.7	ug/L	0.5897	0.2195	3,533.66
Fe2599_R	1143.	ug/L	0.6560	0.0574	2,510.13
K_7664_R	10450.	ug/L	35.6965	0.3417	9,428.60
Li6707_R	507.2	ug/L	1.3845	0.2730	9,378.75
Mg2025_A	4696.	ug/L	4.9471	0.1053	360.48
Mn2576_R	550.5	ug/L	0.7322	0.1330	5,446.87
Mo2020_A	318.9	ug/L	0.5287	0.1658	726.03
Na5895_R	7654.	ug/L	8.9781	0.1173	20,445.92
Ni2316_A	534.3	ug/L	0.1475	0.0276	974.02
Pb2203_A	107.6	ug/L	0.6061	0.5634	88.07
Sb2068_A	93.91	ug/L	0.2599	0.2768	41.88
Se1960_A	104.6	ug/L	1.5652	1.4960	24.65
Si2516_R	5064.	ug/L	10.0037	0.1975	2,537.67
Sn1899_A	489.1	ug/L	2.6795	0.5478	86.96
Sr4215_R	511.2	ug/L	0.6739	0.1318	53,004.04
Ti3349_A	526.5	ug/L	1.2728	0.2417	15,048.16
Tl1908_A	100.9	ug/L	1.1571	1.1472	51.76
V_2924_A	547.2	ug/L	0.0093	0.0017	7,333.72
Zn2062_A	565.9	ug/L	0.3385	0.0598	1,583.26
Pd3404	508.8	ug/L	0.2970	0.0584	3,039.58
Y_3600_R	25634.	Cts/S	32.2419	0.1258	25,634.06
Y_2243_A	6369.4	Cts/S	0.5492	0.0086	6,369.43
Y_3600_A	206420.	Cts/S	61.2635	0.0297	206,419.50

PBT1012A

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:29:49
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2467	ug/L	0.1016	41.1726	-14.12
Al3961_R	-.0636	ug/L	0.2186	343.7530	-13.63
As1891_A	-1.155	ug/L	0.0878	7.6018	-1.15
Au2427_A	4.405	ug/L	1.0133	23.0033	10.99
B_2089_A	3.296	ug/L	0.4384	13.3004	4.52
Ba4554_R	6.723	ug/L	0.3404	5.0634	595.11
Be3130_R	-.0366	ug/L	0.0187	51.1098	-6.30
Ca3158_R	31.00	ug/L	2.2374	7.2178	0.36
Cd2265_A	.0955	ug/L	0.0122	12.7660	0.45
Co2286_A	-.1163	ug/L	0.2348	201.8880	2.06
Cr2677_A	.5109	ug/L	0.0160	3.1377	5.32
Cu3273_A	.8825	ug/L	0.1286	14.5695	21.32
Fe2599_R	10.12	ug/L	0.2649	2.6181	24.03
K_7664_R	297.6	ug/L	35.8701	12.0515	275.99
Li6707_R	-1.754	ug/L	0.6389	36.4212	9.58
Mg2025_A	1.706	ug/L	2.9108	170.5889	-2.43
Mn2576_R	.6522	ug/L	0.2468	37.8492	3.69

PBT1012A

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:29:49
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.5189	ug/L	0.0811	15.6397	0.78
Na5895_R	F 250900.	ug/L	1,995.8444	0.7955	655,821.15
Ni2316_A	1.312	ug/L	0.1828	13.9305	2.29
Pb2203_A	.1113	ug/L	0.4014	360.7518	-1.03
Sb2068_A	-.3324	ug/L	0.5657	170.1767	0.20
Se1960_A	-.5166	ug/L	0.7132	138.0544	0.91
Si2516_R	26.45	ug/L	5.9647	22.5487	22.23
Sn1899_A	-.2594	ug/L	0.2636	101.6205	1.04
Sr4215_R	.6023	ug/L	0.0343	5.7022	46.69
Ti3349_A	-.1136	ug/L	0.0232	20.4197	-15.13
Tl1908_A	.1926	ug/L	0.7524	390.6705	-0.49
V_2924_A	.2463	ug/L	0.3368	136.7349	4.83
Zn2062_A	5.816	ug/L	0.0242	0.4158	16.07
Pd3404	-.8522	ug/L	0.8991	105.5076	-14.58
Y_3600_R	25383.	Cts/S	211.8819	0.8347	25,382.98
Y_2243_A	6110.2	Cts/S	9.4207	0.1542	6,110.18
Y_3600_A	195720.	Cts/S	35.2074	0.0180	195,718.65

SE2794-001T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:34:30
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0532	ug/L	0.2660	499.7094	-10.01
Al3961_R	-13.13	ug/L	2.3194	17.6609	186.24
As1891_A	2.200	ug/L	0.6307	28.6733	1.37
Au2427_A	.0004	ug/L	0.1572	38,169.8170	6.98
B_2089_A	1284.	ug/L	0.3721	0.0290	1,459.59
Ba4554_R	28.57	ug/L	0.0883	0.3092	2,338.06
Be3130_R	-.0965	ug/L	0.0390	40.4201	-12.96
Ca3158_R	154300.	ug/L	448.7753	0.2909	94,753.56
Cd2265_A	14.58	ug/L	0.0304	0.2084	151.08
Co2286_A	56.74	ug/L	0.2408	0.4245	170.32
Cr2677_A	1.418	ug/L	0.0384	2.7078	14.59
Cu3273_A	1339.	ug/L	2.2338	0.1668	16,206.73
Fe2599_R	8.869	ug/L	0.3892	4.3886	20.92
K_7664_R	32530.	ug/L	13.6086	0.0418	28,502.21
Li6707_R	71.33	ug/L	0.7034	0.9862	1,316.35
Mg2025_A	4608.	ug/L	21.2038	0.4602	352.85
Mn2576_R	450.7	ug/L	1.1362	0.2521	4,331.79
Mo2020_A	4072.	ug/L	11.0310	0.2709	8,578.18
Na5895_R	F 325700.	ug/L	80.8634	0.0248	835,231.73
Ni2316_A	250.2	ug/L	0.1616	0.0646	439.69
Pb2203_A	.6214	ug/L	0.0257	4.1416	-4.30
Sb2068_A	15.10	ug/L	0.4807	3.1842	5.78
Se1960_A	3.933	ug/L	2.2433	57.0358	1.83
Si2516_R	11480.	ug/L	96.8576	0.8440	5,594.00
Sn1899_A	2.869	ug/L	1.4851	51.7707	1.51
Sr4215_R	142.7	ug/L	0.1840	0.1289	14,365.70
Ti3349_A	-.2055	ug/L	0.0107	5.1984	34.04
Tl1908_A	.3481	ug/L	0.3411	97.9838	-0.30
V_2924_A	93.13	ug/L	0.1424	0.1529	740.59
Zn2062_A	F 67580.	ug/L	31.2710	0.0463	174,822.51
Pd3404	-3.656	ug/L	0.4642	12.6995	-35.70
Y_3600_R	24904.	Cts/S	71.1799	0.2858	24,904.44
Y_2243_A	5888.5	Cts/S	12.9369	0.2197	5,888.49
Y_3600_A	190260.	Cts/S	441.3313	0.2320	190,260.18

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:39:04
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	500.4	ug/L	0.1694	0.0339	10,278.69
Al3961_R	12570.	ug/L	85.7246	0.6822	13,434.52
As1891_A	507.3	ug/L	2.4235	0.4777	195.76
Au2427_A	W 468.1	ug/L	7.2911	1.5577	1,429.42
B_2089_A	507.8	ug/L	1.0257	0.2020	578.72
Ba4554_R	487.5	ug/L	0.1804	0.0370	40,646.41
Be3130_R	525.9	ug/L	2.4526	0.4664	79,325.30
Ca3158_R	12180.	ug/L	62.1472	0.5102	7,740.64
Cd2265_A	498.3	ug/L	0.8631	0.1732	5,618.06
Co2286_A	514.7	ug/L	0.4524	0.0879	1,649.11
Cr2677_A	W 527.5	ug/L	1.7375	0.3294	5,592.48
Cu3273_A	504.2	ug/L	1.1761	0.2333	6,619.92
Fe2599_R	13050.	ug/L	47.1410	0.3613	28,849.69
K_7664_R	12650.	ug/L	30.7644	0.2432	11,500.75
Li6707_R	478.9	ug/L	0.3358	0.0701	8,927.12
Mg2025_A	W 11340.	ug/L	45.5339	0.4014	871.84
Mn2576_R	W 527.6	ug/L	1.6792	0.3183	5,262.20
Mo2020_A	523.8	ug/L	1.5485	0.2956	1,189.87
Na5895_R	F 11200.	ug/L	19.4297	0.1735	30,025.99
Ni2316_A	507.7	ug/L	0.1732	0.0341	923.28
Pb2203_A	W 532.6	ug/L	0.1179	0.0221	439.18
Sb2068_A	497.1	ug/L	0.2940	0.0591	218.20
Se1960_A	512.2	ug/L	3.2143	0.6275	117.57
Si2516_R	12430.	ug/L	3.1711	0.0255	6,260.38
Sn1899_A	W 463.8	ug/L	3.3341	0.7189	82.30
Sr4215_R	484.2	ug/L	0.2415	0.0499	50,598.23
Ti3349_A	508.4	ug/L	0.7530	0.1481	14,526.84
Tl1908_A	512.7	ug/L	0.5137	0.1002	262.90
V_2924_A	514.4	ug/L	0.8517	0.1656	6,861.01
Zn2062_A	W 533.3	ug/L	0.5746	0.1078	1,487.16
Pd3404	491.7	ug/L	2.0058	0.4079	2,930.15
Y_3600_R	25833.	Cts/S	183.9657	0.7121	25,832.80
Y_2243_A	6352.5	Cts/S	13.9311	0.2193	6,352.55
Y_3600_A	206300.	Cts/S	283.2195	0.1373	206,299.98

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:43:27
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1024	ug/L	0.0529	51.6750	-12.06
Al3961_R	-5.051	ug/L	2.6184	51.8448	-19.15
As1891_A	-1.474	ug/L	1.0147	68.8278	-1.33
Au2427_A	4.765	ug/L	0.2235	4.6896	12.74
B_2089_A	1.487	ug/L	0.4094	27.5323	2.86
Ba4554_R	-.1492	ug/L	0.1778	119.1793	33.26
Be3130_R	-.0166	ug/L	0.0010	5.7747	-3.44
Ca3158_R	-8.619	ug/L	0.4907	5.6926	-24.92
Cd2265_A	.0287	ug/L	0.0247	85.7865	-0.30
Co2286_A	.0154	ug/L	0.1553	1,009.5822	2.61
Cr2677_A	.1626	ug/L	0.0259	15.9296	1.95
Cu3273_A	-.1030	ug/L	0.0437	42.3992	9.73
Fe2599_R	2.173	ug/L	0.7885	36.2792	6.91
K_7664_R	277.7	ug/L	5.6771	2.0445	263.44
Li6707_R	-2.534	ug/L	0.8616	34.0072	-4.78
Mg2025_A	-1.168	ug/L	4.7097	403.3044	-2.80
Mn2576_R	.2749	ug/L	0.1269	46.1738	0.00

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:43:27
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	2.665	ug/L	0.3311	12.4225	5.79
Na5895_R	255.4	ug/L	0.1945	0.0761	931.60
Ni2316_A	.2505	ug/L	0.2519	100.5504	0.47
Pb2203_A	.1534	ug/L	0.0527	34.3670	-1.06
Sb2068_A	-.4055	ug/L	0.5309	130.9318	0.18
Se1960_A	-1.289	ug/L	1.2086	93.7964	0.78
Si2516_R	5.485	ug/L	6.7150	122.4334	12.11
Sn1899_A	-1.624	ug/L	0.9376	57.7272	0.86
Sr4215_R	-.0915	ug/L	0.0734	80.2691	-25.07
Ti3349_A	.0399	ug/L	0.0942	235.7740	-11.76
Tl1908_A	2.123	ug/L	0.2757	12.9833	0.49
V_2924_A	.0945	ug/L	0.1891	200.0300	2.88
Zn2062_A	.3196	ug/L	0.0235	7.3629	1.40
Pd3404	1.013	ug/L	0.5464	53.9389	-4.27
Y_3600_R	25888.	Cts/S	31.6725	0.1223	25,888.45
Y_2243_A	6473.5	Cts/S	5.5482	0.0857	6,473.52
Y_3600_A	210260.	Cts/S	48.2136	0.0229	210,256.32

SE2818-006T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:48:02
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0704	ug/L	0.0595	84.4431	-10.61
Al3961_R	14.27	ug/L	1.4076	9.8653	25.44
As1891_A	-.5646	ug/L	0.5794	102.6199	-0.91
Au2427_A	1.377	ug/L	0.0074	0.5384	3.12
B_2089_A	4.118	ug/L	0.3489	8.4746	5.26
Ba4554_R	15.76	ug/L	0.0958	0.6081	1,328.41
Be3130_R	.0114	ug/L	0.0030	26.5637	0.79
Ca3158_R	110200.	ug/L	406.4198	0.3689	68,622.27
Cd2265_A	.4808	ug/L	0.0333	6.9337	4.50
Co2286_A	.1676	ug/L	0.1274	75.9929	2.85
Cr2677_A	1.839	ug/L	0.1091	5.9346	18.45
Cu3273_A	3.500	ug/L	0.1565	4.4722	53.10
Fe2599_R	26.61	ug/L	0.8571	3.2207	59.58
K_7664_R	507.0	ug/L	43.8960	8.6575	460.81
Li6707_R	-.5383	ug/L	0.7300	135.5970	31.55
Mg2025_A	1324.	ug/L	12.5765	0.9496	93.05
Mn2576_R	50.85	ug/L	0.5003	0.9839	493.39
Mo2020_A	1.262	ug/L	0.2521	19.9843	2.33
Na5895_R	247000.	ug/L	1,986.8734	0.8045	642,458.12
Ni2316_A	2.072	ug/L	0.0876	4.2265	3.52
Pb2203_A	5.651	ug/L	2.0445	36.1808	3.29
Sb2068_A	.2214	ug/L	0.7457	336.8314	0.42
Se1960_A	.5231	ug/L	2.1421	409.4645	1.11
Si2516_R	65.84	ug/L	0.6656	1.0110	41.48
Sn1899_A	1.676	ug/L	2.9008	173.0858	1.33
Sr4215_R	200.1	ug/L	0.0115	0.0057	20,434.19
Ti3349_A	.0909	ug/L	0.0718	78.9813	-9.43
Tl1908_A	.3192	ug/L	0.2082	65.2262	-0.44
V_2924_A	.4223	ug/L	0.4067	96.3122	6.36
Zn2062_A	270.6	ug/L	0.2754	0.1018	706.47
Pd3404	-.5871	ug/L	0.4895	83.3716	-12.92
Y_3600_R	25263.	Cts/S	33.9468	0.1344	25,262.84
Y_2243_A	5939.8	Cts/S	6.1757	0.1040	5,939.77
Y_3600_A	192830.	Cts/S	162.6359	0.0843	192,832.65

SE2818-008T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:52:43
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0888	ug/L	0.1086	122.2714	-10.87
Al3961_R	24.95	ug/L	5.0634	20.2979	33.47
As1891_A	-.0355	ug/L	0.8582	2,415.9300	-0.72
Au2427_A	1.228	ug/L	0.4992	40.6628	2.50
B_2089_A	5.537	ug/L	0.2592	4.6820	6.71
Ba4554_R	20.99	ug/L	0.0481	0.2292	1,744.30
Be3130_R	-.0094	ug/L	0.0480	510.6343	-2.25
Ca3158_R	96880.	ug/L	268.2341	0.2769	59,998.37
Cd2265_A	.4650	ug/L	0.0028	0.5940	4.34
Co2286_A	.1760	ug/L	0.0329	18.7070	2.89
Cr2677_A	1.184	ug/L	0.0001	0.0070	11.93
Cu3273_A	3.819	ug/L	0.2078	5.4401	56.91
Fe2599_R	16.24	ug/L	0.2531	1.5585	36.94
K_7664_R	645.9	ug/L	49.5195	7.6671	580.84
Li6707_R	-.0875	ug/L	0.2847	325.4947	39.49
Mg2025_A	1032.	ug/L	0.4998	0.0484	72.21
Mn2576_R	40.59	ug/L	0.1525	0.3757	391.03
Mo2020_A	.6210	ug/L	0.0327	5.2596	0.98
Na5895_R	231400.	ug/L	1,727.0067	0.7465	598,428.01
Ni2316_A	2.086	ug/L	0.1557	7.4626	3.55
Pb2203_A	8.253	ug/L	0.4300	5.2100	5.33
Sb2068_A	-1.134	ug/L	0.4645	40.9557	-0.13
Se1960_A	.2249	ug/L	0.3249	144.5012	1.05
Si2516_R	73.06	ug/L	8.3089	11.3729	44.77
Sn1899_A	.9440	ug/L	1.2558	133.0308	1.22
Sr4215_R	211.4	ug/L	0.2835	0.1341	21,473.89
Ti3349_A	-.1137	ug/L	0.4031	354.5359	-14.89
Tl1908_A	-.6348	ug/L	0.7936	125.0145	-0.90
V_2924_A	.2996	ug/L	0.3989	133.1189	4.98
Zn2062_A	208.2	ug/L	0.0405	0.0195	545.83
Pd3404	-.9246	ug/L	0.8183	88.5019	-14.76
Y_3600_R	25118.	Cts/S	19.6627	0.0783	25,117.52
Y_2243_A	5962.3	Cts/S	7.2908	0.1223	5,962.26
Y_3600_A	192480.	Cts/S	458.5280	0.2382	192,480.30

SE2818-010T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:57:24
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.2588	ug/L	0.1245	48.0910	-14.10
Al3961_R	-21.25	ug/L	10.2896	48.4124	-4.30
As1891_A	-.6011	ug/L	0.5267	87.6337	-0.92
Au2427_A	.5837	ug/L	0.4608	78.9365	0.89
B_2089_A	5.319	ug/L	0.2847	5.3537	6.41
Ba4554_R	18.10	ug/L	0.1648	0.9106	1,508.71
Be3130_R	-.0052	ug/L	0.0218	415.4600	-1.66
Ca3158_R	143900.	ug/L	103.7623	0.0721	89,064.55
Cd2265_A	.5536	ug/L	0.0101	1.8156	5.22
Co2286_A	.3459	ug/L	0.1655	47.8452	3.36
Cr2677_A	1.265	ug/L	0.1930	15.2530	12.65
Cu3273_A	3.043	ug/L	0.0776	2.5509	47.05
Fe2599_R	21.49	ug/L	1.6310	7.5884	48.20
K_7664_R	696.8	ug/L	13.1277	1.8839	625.40
Li6707_R	.9529	ug/L	0.0438	4.6009	58.22
Mg2025_A	1582.	ug/L	5.9592	0.3768	110.59
Mn2576_R	51.92	ug/L	0.1413	0.2721	500.62

SE2818-010T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 21:57:24
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.5931	ug/L	0.0401	6.7562	0.91
Na5895_R	219200.	ug/L	4,284.5719	1.9547	566,561.15
Ni2316_A	2.478	ug/L	0.2639	10.6486	4.17
Pb2203_A	1.973	ug/L	0.7583	38.4422	0.44
Sb2068_A	.7117	ug/L	0.6304	88.5724	0.62
Se1960_A	-.5287	ug/L	0.7219	136.5506	0.88
Si2516_R	67.96	ug/L	3.9442	5.8033	42.25
Sn1899_A	3.361	ug/L	0.0175	0.5220	1.59
Sr4215_R	286.4	ug/L	0.9890	0.3453	29,069.59
Ti3349_A	.0775	ug/L	0.1672	215.7064	-9.71
Tl1908_A	.2614	ug/L	0.6538	250.1296	-0.46
V_2924_A	.5041	ug/L	0.0224	4.4424	7.39
Zn2062_A	140.4	ug/L	0.2849	0.2029	363.72
Pd3404	-1.886	ug/L	0.2271	12.0431	-20.00
Y_3600_R	25100.	Cts/S	117.1335	0.4667	25,100.44
Y_2243_A	5888.9	Cts/S	2.7474	0.0467	5,888.90
Y_3600_A	191030.	Cts/S	334.9099	0.1753	191,026.93

SE2818-012T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:02:04
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1323	ug/L	0.2214	167.2519	-11.61
Al3961_R	-39.68	ug/L	10.9079	27.4880	-21.14
As1891_A	-.0670	ug/L	0.7330	1,094.6625	-0.72
Au2427_A	.2380	ug/L	0.0129	5.4139	0.45
B_2089_A	4.226	ug/L	0.0767	1.8144	5.30
Ba4554_R	19.53	ug/L	0.1702	0.8718	1,611.70
Be3130_R	-.0281	ug/L	0.0237	84.4143	-4.98
Ca3158_R	153700.	ug/L	107.8455	0.0702	94,396.34
Cd2265_A	.5596	ug/L	0.0383	6.8370	5.27
Co2286_A	.2619	ug/L	0.2671	101.9876	3.11
Cr2677_A	1.125	ug/L	0.5091	45.2729	11.29
Cu3273_A	4.076	ug/L	0.0094	0.2312	59.55
Fe2599_R	15.34	ug/L	0.7895	5.1464	34.71
K_7664_R	703.3	ug/L	10.1132	1.4380	626.10
Li6707_R	.8814	ug/L	0.5757	65.3147	56.50
Mg2025_A	1736.	ug/L	2.1860	0.1259	121.59
Mn2576_R	78.79	ug/L	0.0676	0.0858	754.99
Mo2020_A	.5395	ug/L	0.1002	18.5816	0.79
Na5895_R	223500.	ug/L	2,077.5874	0.9296	573,145.87
Ni2316_A	2.225	ug/L	0.3370	15.1431	3.74
Pb2203_A	20.74	ug/L	0.7141	3.4421	14.86
Sb2068_A	96.95	ug/L	0.1500	0.1547	39.25
Se1960_A	1.733	ug/L	0.8519	49.1718	1.35
Si2516_R	82.44	ug/L	3.4960	4.2407	48.94
Sn1899_A	1.032	ug/L	0.0532	5.1529	1.22
Sr4215_R	273.8	ug/L	1.1235	0.4103	27,575.53
Ti3349_A	.1457	ug/L	0.1502	103.1001	-7.90
Tl1908_A	-1.005	ug/L	0.6457	64.2457	-1.08
V_2924_A	.2614	ug/L	0.3021	115.5613	4.09
Zn2062_A	181.5	ug/L	0.5295	0.2917	469.87
Pd3404	-.2928	ug/L	0.0056	1.9003	-11.17
Y_3600_R	24902.	Cts/S	54.0286	0.2170	24,902.36
Y_2243_A	5886.7	Cts/S	0.2032	0.0035	5,886.70
Y_3600_A	190880.	Cts/S	274.7937	0.1440	190,875.61

SE2836-001T

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:06:43
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.2086	ug/L	0.4877	233.7664	-5.63
Al3961_R	67.59	ug/L	3.4678	5.1308	60.87
As1891_A	.2699	ug/L	0.2200	81.5305	-0.62
Au2427_A	-.5330	ug/L	0.3971	74.5017	1.59
B_2089_A	13.14	ug/L	0.5381	4.0954	14.73
Ba4554_R	33.06	ug/L	0.0562	0.1700	2,747.65
Be3130_R	-.0041	ug/L	0.0388	953.4073	-1.77
Ca3158_R	16330.	ug/L	73.3579	0.4493	10,191.46
Cd2265_A	.4067	ug/L	0.0106	2.5997	3.87
Co2286_A	3.392	ug/L	0.1798	5.3009	12.73
Cr2677_A	31.20	ug/L	0.4070	1.3047	312.58
Cu3273_A	5.744	ug/L	0.2847	4.9552	81.40
Fe2599_R	80.76	ug/L	1.0499	1.3001	177.30
K_7664_R	5696.	ug/L	28.7225	0.5043	5,089.39
Li6707_R	.0975	ug/L	0.0617	63.2607	43.24
Mg2025_A	287.4	ug/L	6.7798	2.3589	18.78
Mn2576_R	242.0	ug/L	0.1477	0.0611	2,366.65
Mo2020_A	.4157	ug/L	0.1096	26.3584	0.55
Na5895_R	247700.	ug/L	300.0645	0.1211	646,780.94
Ni2316_A	4.379	ug/L	0.1306	2.9813	7.57
Pb2203_A	1202.	ug/L	1.3230	0.1100	948.79
Sb2068_A	-.2314	ug/L	0.3002	129.7349	0.40
Se1960_A	.9201	ug/L	0.0642	6.9752	1.22
Si2516_R	575.3	ug/L	8.7996	1.5296	293.03
Sn1899_A	-1.131	ug/L	0.6771	59.8465	0.89
Sr4215_R	20.50	ug/L	0.0376	0.1834	2,088.26
Ti3349_A	3.153	ug/L	0.0077	0.2447	73.19
Tl1908_A	-.3462	ug/L	0.6399	184.8278	-0.87
V_2924_A	.6189	ug/L	0.3437	55.5418	6.49
Zn2062_A	518.1	ug/L	0.3936	0.0760	1,378.21
Pd3404	-.7858	ug/L	0.7500	95.4382	-14.31
Y_3600_R	25356.	Cts/S	129.9403	0.5125	25,356.25
Y_2243_A	6053.0	Cts/S	1.6598	0.0274	6,053.02
Y_3600_A	194760.	Cts/S	301.2457	0.1547	194,758.75

SE2582-014R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:11:24
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.1150	ug/L	0.1245	108.2732	-7.67
Al3961_R	22.91	ug/L	1.5615	6.8145	19.42
As1891_A	31.65	ug/L	0.8948	2.8267	10.74
Au2427_A	2.159	ug/L	0.5426	25.1313	5.78
B_2089_A	20.67	ug/L	0.1178	0.5696	22.68
Ba4554_R	7.626	ug/L	0.0618	0.8100	661.80
Be3130_R	.0141	ug/L	0.0238	168.5448	1.18
Ca3158_R	41420.	ug/L	318.3171	0.7686	25,634.79
Cd2265_A	.2298	ug/L	0.0199	8.6572	2.02
Co2286_A	.0379	ug/L	0.0031	8.0906	2.54
Cr2677_A	1.799	ug/L	0.0658	3.6568	18.22
Cu3273_A	8.527	ug/L	0.4971	5.8300	115.59
Fe2599_R	111.0	ug/L	0.6217	0.5601	240.64
K_7664_R	2504.	ug/L	21.3629	0.8531	2,222.07
Li6707_R	1.652	ug/L	0.1302	7.8803	70.86
Mg2025_A	5506.	ug/L	22.8477	0.4150	402.03
Mn2576_R	66.04	ug/L	0.0062	0.0094	637.68

SE2582-014R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:11:24
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	2.237	ug/L	0.0119	0.5335	4.49
Na5895_R	229800.	ug/L	1,907.1259	0.8300	594,239.80
Ni2316_A	11.19	ug/L	0.0164	0.1463	19.36
Pb2203_A	.6021	ug/L	0.1162	19.3045	-0.64
Sb2068_A	.1253	ug/L	0.5169	412.5612	0.38
Se1960_A	-1.184	ug/L	0.7665	64.7213	0.76
Si2516_R	43990.	ug/L	2.7539	0.0063	21,509.87
Sn1899_A	5.804	ug/L	4.9072	84.5478	2.05
Sr4215_R	243.9	ug/L	0.3452	0.1415	24,768.71
Ti3349_A	2.669	ug/L	0.0642	2.4065	59.90
Tl1908_A	-.6839	ug/L	0.3400	49.7152	-0.95
V_2924_A	9.828	ug/L	0.3451	3.5110	125.48
Zn2062_A	47.17	ug/L	0.0912	0.1932	125.98
Pd3404	-.3898	ug/L	0.2934	75.2855	-11.94
Y_3600_R	25114.	Cts/S	155.1628	0.6178	25,114.43
Y_2243_A	6056.7	Cts/S	7.5299	0.1243	6,056.74
Y_3600_A	194280.	Cts/S	32.2743	0.0166	194,283.80

SE2518-001R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:16:05
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3090	ug/L	0.1583	51.2229	-22.37
Al3961_R	24.82	ug/L	6.5121	26.2348	15.25
As1891_A	30.57	ug/L	0.3174	1.0384	10.95
Au2427_A	.9575	ug/L	0.1805	18.8477	2.30
B_2089_A	13.22	ug/L	0.1359	1.0282	15.73
Ba4554_R	1.295	ug/L	0.1175	9.0709	154.62
Be3130_R	-.0318	ug/L	0.0164	51.4084	-5.80
Ca3158_R	10770.	ug/L	71.2451	0.6617	6,891.25
Cd2265_A	.0285	ug/L	0.0795	279.4199	0.93
Co2286_A	.0946	ug/L	0.0131	13.7987	2.88
Cr2677_A	.7397	ug/L	0.4693	63.4369	8.24
Cu3273_A	.1184	ug/L	0.2269	191.6459	12.48
Fe2599_R	815.7	ug/L	5.5473	0.6801	1,818.82
K_7664_R	2127.	ug/L	4.1272	0.1940	1,957.37
Li6707_R	.8599	ug/L	0.2711	31.5333	58.62
Mg2025_A	4215.	ug/L	14.2998	0.3393	325.09
Mn2576_R	47.96	ug/L	0.5113	1.0660	479.20
Mo2020_A	1.308	ug/L	0.0242	1.8504	2.63
Na5895_R	6830.	ug/L	18.3877	0.2692	18,545.91
Ni2316_A	.9436	ug/L	0.1627	17.2404	1.67
Pb2203_A	.1852	ug/L	0.7662	413.7206	-1.02
Sb2068_A	-.4026	ug/L	0.5252	130.4531	0.18
Se1960_A	-.0877	ug/L	1.0041	1,145.1064	1.06
Si2516_R	8828.	ug/L	18.8135	0.2131	4,480.22
Sn1899_A	.5250	ug/L	0.3358	63.9647	1.23
Sr4215_R	58.57	ug/L	0.1104	0.1885	6,150.91
Ti3349_A	.5556	ug/L	0.3305	59.4861	3.22
Tl1908_A	.0401	ug/L	0.6914	1,723.5120	-0.62
V_2924_A	.4488	ug/L	0.1388	30.9219	7.38
Zn2062_A	.8065	ug/L	0.1466	18.1767	2.75
Pd3404	1.329	ug/L	1.0467	78.7303	-2.69
Y_3600_R	26022.	Cts/S	45.1351	0.1735	26,021.89
Y_2243_A	6410.2	Cts/S	15.5940	0.2433	6,410.16
Y_3600_A	208140.	Cts/S	280.5161	0.1348	208,137.09

SE2518-002R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:20:40
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.3526	ug/L	0.0198	5.6249	-18.81
Al3961_R	6.327	ug/L	5.7885	91.4935	-4.54
As1891_A	19.01	ug/L	0.3274	1.7216	6.51
Au2427_A	1.433	ug/L	0.4523	31.5550	2.67
B_2089_A	13.33	ug/L	0.2626	1.9698	15.82
Ba4554_R	.9496	ug/L	0.0622	6.5530	125.11
Be3130_R	.0122	ug/L	0.0189	155.5224	0.95
Ca3158_R	11070.	ug/L	24.3814	0.2202	7,059.40
Cd2265_A	.0327	ug/L	0.0510	155.6936	0.09
Co2286_A	.0189	ug/L	0.0749	396.9210	2.60
Cr2677_A	.6236	ug/L	0.1352	21.6823	6.86
Cu3273_A	.6185	ug/L	0.3038	49.1145	19.08
Fe2599_R	230.3	ug/L	0.0274	0.0119	513.08
K_7664_R	2058.	ug/L	6.0179	0.2925	1,886.18
Li6707_R	-.0506	ug/L	0.1620	319.9473	41.45
Mg2025_A	4292.	ug/L	7.5208	0.1752	330.42
Mn2576_R	7.689	ug/L	0.1310	1.7039	74.09
Mo2020_A	1.284	ug/L	0.1433	11.1622	2.56
Na5895_R	7103.	ug/L	25.6421	0.3610	19,201.21
Ni2316_A	1.045	ug/L	0.0729	6.9748	1.90
Pb2203_A	-.2861	ug/L	0.1498	52.3557	-1.41
Sb2068_A	-.3810	ug/L	0.1274	33.4487	0.19
Se1960_A	-.5126	ug/L	1.8825	367.2777	0.95
Si2516_R	8707.	ug/L	20.2325	0.2324	4,401.31
Sn1899_A	-.0634	ug/L	1.7013	2,685.4324	1.13
Sr4215_R	59.24	ug/L	0.1946	0.3285	6,197.24
Ti3349_A	-.3291	ug/L	0.0918	27.8821	-22.20
Tl1908_A	.6872	ug/L	0.0179	2.6117	-0.26
V_2924_A	.0915	ug/L	0.0817	89.2258	2.89
Zn2062_A	.9926	ug/L	0.0424	4.2752	3.27
Pd3404	.6634	ug/L	0.3937	59.3425	-6.41
Y_3600_R	25919.	Cts/S	193.8386	0.7479	25,918.87
Y_2243_A	6397.7	Cts/S	8.0083	0.1252	6,397.69
Y_3600_A	207260.	Cts/S	325.2614	0.1569	207,259.11

SE2518-005R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:25:14
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.0383	ug/L	0.0662	172.9509	-22.42
Al3961_R	916.1	ug/L	10.2704	1.1211	971.23
As1891_A	-.0882	ug/L	1.3041	1,478.2425	-0.82
Au2427_A	2.041	ug/L	0.8660	42.4346	5.04
B_2089_A	2.213	ug/L	0.2064	9.3264	3.57
Ba4554_R	9.497	ug/L	0.0281	0.2957	842.19
Be3130_R	.1524	ug/L	0.0287	18.8501	22.18
Ca3158_R	130.2	ug/L	7.5638	5.8116	63.97
Cd2265_A	.0189	ug/L	0.0294	155.7441	2.27
Co2286_A	.9300	ug/L	0.1154	12.4095	5.68
Cr2677_A	.6211	ug/L	0.3738	60.1793	7.10
Cu3273_A	1.178	ug/L	0.1710	14.5228	26.72
Fe2599_R	1755.	ug/L	0.3066	0.0175	3,908.68
K_7664_R	300.6	ug/L	14.5347	4.8346	285.63
Li6707_R	-1.182	ug/L	1.0330	87.3859	20.46
Mg2025_A	267.8	ug/L	0.2154	0.0805	18.34
Mn2576_R	4.305	ug/L	0.3014	7.0007	40.72

SE2518-005R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:25:14
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.1852	ug/L	0.0838	45.2752	0.05
Na5895_R	3131.	ug/L	4.4966	0.1436	8,633.90
Ni2316_A	1.702	ug/L	0.0074	0.4355	3.01
Pb2203_A	-.2569	ug/L	0.8014	312.0041	-1.48
Sb2068_A	-.6262	ug/L	1.1665	186.2686	0.09
Se1960_A	-.5087	ug/L	0.7711	151.5724	0.98
Si2516_R	5880.	ug/L	22.4082	0.3811	2,985.28
Sn1899_A	1.298	ug/L	1.0714	82.5552	1.39
Sr4215_R	4.806	ug/L	0.1167	2.4279	490.13
Ti3349_A	.6829	ug/L	0.0543	7.9584	6.95
Tl1908_A	-.0694	ug/L	0.1123	161.8044	-0.66
V_2924_A	.2851	ug/L	0.1271	44.5822	5.96
Zn2062_A	3.549	ug/L	0.0932	2.6251	10.59
Pd3404	.8553	ug/L	0.4850	56.7059	-6.01
Y_3600_R	26006.	Cts/S	30.4439	0.1171	26,005.91
Y_2243_A	6478.6	Cts/S	5.1158	0.0790	6,478.61
Y_3600_A	210710.	Cts/S	330.8198	0.1570	210,706.32

SE2518-006R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:29:50
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.1176	ug/L	0.2221	188.8890	-25.23
Al3961_R	885.1	ug/L	2.1420	0.2420	939.11
As1891_A	-.0862	ug/L	1.0190	1,181.6865	-0.83
Au2427_A	1.542	ug/L	0.3747	24.2956	3.48
B_2089_A	2.314	ug/L	0.0070	0.3033	3.67
Ba4554_R	9.569	ug/L	0.1368	1.4296	849.40
Be3130_R	.1525	ug/L	0.0112	7.3668	22.25
Ca3158_R	196.6	ug/L	1.7257	0.8778	106.72
Cd2265_A	.0177	ug/L	0.0212	119.9043	2.16
Co2286_A	.8717	ug/L	0.0565	6.4840	5.47
Cr2677_A	.4241	ug/L	0.2051	48.3691	4.95
Cu3273_A	2.230	ug/L	0.3069	13.7605	40.75
Fe2599_R	1698.	ug/L	0.0690	0.0041	3,786.91
K_7664_R	280.7	ug/L	23.3044	8.3012	267.83
Li6707_R	.2982	ug/L	0.2979	99.9170	48.15
Mg2025_A	273.6	ug/L	2.3787	0.8693	18.72
Mn2576_R	5.243	ug/L	0.3319	6.3302	50.20
Mo2020_A	.2099	ug/L	0.2055	97.8984	0.11
Na5895_R	3196.	ug/L	21.9067	0.6855	8,817.88
Ni2316_A	3.367	ug/L	0.0446	1.3234	6.08
Pb2203_A	.1991	ug/L	0.1982	99.5579	-1.08
Sb2068_A	-.3976	ug/L	0.1419	35.6882	0.19
Se1960_A	-.0583	ug/L	1.9425	3,331.0733	1.08
Si2516_R	5968.	ug/L	22.9311	0.3843	3,033.58
Sn1899_A	-.1923	ug/L	0.9066	471.5248	1.11
Sr4215_R	5.372	ug/L	0.0717	1.3354	550.35
Ti3349_A	.4923	ug/L	0.0323	6.5576	1.39
Tl1908_A	-.1789	ug/L	0.7052	394.1817	-0.72
V_2924_A	.1520	ug/L	0.2137	140.5639	4.10
Zn2062_A	6.068	ug/L	0.0578	0.9518	17.69
Pd3404	.2369	ug/L	1.5839	668.7152	-9.75
Y_3600_R	26040.	Cts/S	110.0346	0.4226	26,039.55
Y_2243_A	6452.9	Cts/S	54.5871	0.8459	6,452.94
Y_3600_A	210280.	Cts/S	86.8661	0.0413	210,280.53

CCV

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:34:24
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	500.4	ug/L	1.5348	0.3067	10,238.13
Al3961_R	12620.	ug/L	49.8327	0.3948	13,529.12
As1891_A	509.2	ug/L	1.3130	0.2579	196.72
Au2427_A	W 467.5	ug/L	0.3277	0.0701	1,429.88
B_2089_A	506.5	ug/L	0.5388	0.1064	577.79
Ba4554_R	485.5	ug/L	0.5224	0.1076	40,584.35
Be3130_R	W 529.3	ug/L	1.5644	0.2955	80,048.90
Ca3158_R	W 11770.	ug/L	37.7862	0.3210	7,498.30
Cd2265_A	495.4	ug/L	0.1648	0.0333	5,593.73
Co2286_A	514.6	ug/L	1.0669	0.2073	1,651.27
Cr2677_A	W 530.5	ug/L	1.0156	0.1914	5,602.23
Cu3273_A	505.6	ug/L	0.3402	0.0673	6,611.44
Fe2599_R	13090.	ug/L	70.9547	0.5421	29,014.29
K_7664_R	12550.	ug/L	8.5033	0.0678	11,437.69
Li6707_R	477.7	ug/L	1.2722	0.2663	8,926.29
Mg2025_A	F 11140.	ug/L	40.1084	0.3600	857.41
Mn2576_R	W 534.7	ug/L	1.8758	0.3508	5,346.42
Mo2020_A	517.7	ug/L	0.6215	0.1201	1,177.62
Na5895_R	W 11230.	ug/L	15.4457	0.1375	30,189.56
Ni2316_A	505.8	ug/L	0.1567	0.0310	920.99
Pb2203_A	W 536.2	ug/L	0.7211	0.1345	442.82
Sb2068_A	495.9	ug/L	1.0087	0.2034	218.02
Se1960_A	512.8	ug/L	0.3124	0.0609	117.88
Si2516_R	12410.	ug/L	71.3352	0.5749	6,265.52
Sn1899_A	W 452.9	ug/L	3.1680	0.6995	80.51
Sr4215_R	480.6	ug/L	0.4485	0.0933	50,340.52
Ti3349_A	514.0	ug/L	2.8602	0.5565	14,627.42
Tl1908_A	516.1	ug/L	0.4402	0.0853	265.01
V_2924_A	519.4	ug/L	0.8114	0.1562	6,901.04
Zn2062_A	W 534.2	ug/L	0.0634	0.0119	1,491.71
Pd3404	487.5	ug/L	1.0326	0.2118	2,893.49
Y_3600_R	25898.	Cts/S	121.1914	0.4680	25,897.51
Y_2243_A	6361.8	Cts/S	7.6254	0.1199	6,361.78
Y_3600_A	205480.	Cts/S	10.4936	0.0051	205,480.00

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:38:47
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	-.0558	ug/L	0.0455	81.5566	-10.97
Al3961_R	-4.985	ug/L	3.1117	62.4187	-19.17
As1891_A	-.2636	ug/L	0.6731	255.3113	-0.85
Au2427_A	2.798	ug/L	0.2858	10.2155	6.64
B_2089_A	.7033	ug/L	0.1922	27.3309	1.90
Ba4554_R	-.2132	ug/L	0.0203	9.5156	27.94
Be3130_R	.0000	ug/L	0.0185	124,024.8121	-0.91
Ca3158_R	-11.71	ug/L	0.7309	6.2395	-26.91
Cd2265_A	.0439	ug/L	0.0226	51.4456	-0.13
Co2286_A	-.0102	ug/L	0.1388	1,359.5597	2.51
Cr2677_A	.2672	ug/L	0.1754	65.6562	3.06
Cu3273_A	.1275	ug/L	0.3238	253.9008	12.70
Fe2599_R	1.819	ug/L	0.3777	20.7601	6.13
K_7664_R	175.3	ug/L	9.4431	5.3857	170.36
Li6707_R	-2.899	ug/L	1.4849	51.2271	-11.52
Mg2025_A	-2.118	ug/L	0.3398	16.0459	-2.86
Mn2576_R	.2204	ug/L	0.2257	102.3723	-0.55

CCB

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:38:47
Sample Type: QC

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A	.8752	ug/L	0.3248	37.1113	1.64
Na5895_R	229.4	ug/L	4.5678	1.9916	862.55
Ni2316_A	-.2122	ug/L	0.0849	40.0216	-0.39
Pb2203_A	-.1911	ug/L	0.6858	358.8654	-1.34
Sb2068_A	-.3017	ug/L	0.4944	163.8419	0.22
Se1960_A	.5504	ug/L	0.5176	94.0474	1.20
Si2516_R	14.01	ug/L	5.3836	38.4188	16.41
Sn1899_A	.3287	ug/L	0.8066	245.4219	1.21
Sr4215_R	-.0447	ug/L	0.0562	125.5923	-20.18
Ti3349_A	-.0757	ug/L	0.0014	1.8170	-15.01
Tl1908_A	1.304	ug/L	0.4973	38.1249	0.06
V_2924_A	.1474	ug/L	0.0176	11.9690	3.77
Zn2062_A	-.1062	ug/L	0.1546	145.5235	0.19
Pd3404	1.112	ug/L	0.7701	69.2321	-3.63
Y_3600_R	25903.	Cts/S	66.4911	0.2567	25,902.73
Y_2243_A	6441.2	Cts/S	0.2712	0.0042	6,441.16
Y_3600_A	208360.	Cts/S	254.9896	0.1224	208,358.81

SE2518-007R

Method Name: K6010-2010+Pd
Method Revision: 164
Analyst Name: EAM
Acquire Date: 24/05/2011 22:43:22
Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.3211	ug/L	0.5411	168.5242	-43.45
Al3961_R	1.139	ug/L	4.9597	435.5395	-10.66
As1891_A	28.31	ug/L	0.4204	1.4849	9.98
Au2427_A	-1.439	ug/L	0.4103	28.5166	6.23
B_2089_A	6.049	ug/L	0.1037	1.7139	7.78
Ba4554_R	.7631	ug/L	0.0450	5.9032	109.39
Be3130_R	.0188	ug/L	0.0027	14.2412	1.92
Ca3158_R	8796.	ug/L	60.4952	0.6878	5,596.47
Cd2265_A	-.0920	ug/L	0.0317	34.4716	6.48
Co2286_A	-.1967	ug/L	0.2111	107.3191	2.16
Cr2677_A	.9167	ug/L	0.1461	15.9430	11.09
Cu3273_A	-.2900	ug/L	0.7565	260.8391	6.60
Fe2599_R	5389.	ug/L	21.3949	0.3970	11,941.15
K_7664_R	1945.	ug/L	11.4453	0.5883	1,781.62
Li6707_R	6.288	ug/L	0.9284	14.7643	159.15
Mg2025_A	2481.	ug/L	7.1816	0.2894	190.01
Mn2576_R	495.2	ug/L	0.2004	0.0405	4,948.62
Mo2020_A	.8409	ug/L	0.0326	3.8785	1.55
Na5895_R	5940.	ug/L	3.5678	0.0601	16,080.22
Ni2316_A	1.176	ug/L	0.0948	8.0641	1.74
Pb2203_A	-.4306	ug/L	0.2643	61.3779	-1.50
Sb2068_A	-.7947	ug/L	0.0005	0.0598	0.03
Se1960_A	.5258	ug/L	1.0509	199.8506	1.23
Si2516_R	13010.	ug/L	73.4974	0.5648	6,565.14
Sn1899_A	1.501	ug/L	1.1197	74.6194	1.40
Sr4215_R	65.39	ug/L	0.1561	0.2388	6,833.26
Ti3349_A	.0266	ug/L	0.0218	81.8560	-12.04
Tl1908_A	-.0896	ug/L	0.2234	249.1612	-0.94
V_2924_A	.1213	ug/L	0.0124	10.2190	-1.43
Zn2062_A	.7274	ug/L	0.0082	1.1289	2.53
Pd3404	.9412	ug/L	0.6468	68.7246	-7.32
Y_3600_R	25887.	Cts/S	238.6158	0.9218	25,886.63
Y_2243_A	6400.9	Cts/S	1.8999	0.0297	6,400.86
Y_3600_A	208030.	Cts/S	75.0623	0.0361	208,031.66

Logbooks and Supporting Documents

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:

HNO3: K09041 HCL: N/A H2SO4: J48030 **Method:** 7470

KMNO4: MR1032 K2S2O8: MR1026 NH2OH-HCl: MR1030

Standards/Spiking Information:

1ppm A : MW13035

1ppm B : MW13047

LCSW = 125uL of 1ppm A to 25mL

Spike(S/P) = 25uL of 1ppm A to 25mL

ICV = 600uL of 1ppm B to 100 mL

S0.2 = 20uL of 1ppm A to 100 mL

S0.5 = 50uL of 1ppm A to 100 mL

S1.0 = 100uL of 1ppm A to 100 mL

S5.0 = 500uL of 1ppm A to 100 mL

S10.0 = 1000uL of 1ppm A to 100 mL

REVIEWED

Pam 05/26/11

KATAHDIN ANALYTICAL METALS SECTION

Water Bath ID : B

Digestion Start Time (@ 90 °C): 1600

Thermometer ID : DIG138

Digestion End Time(@ 100 °C): 1800

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Clarity	Final Color	Final Clarity	Artifacts	Bottle
LCSWBE24HGW0	BE24HGW0	0.025	L	0.025	L	AQ	HG	HHH	05/24/2011	N/A	N/A	N/A	N/A		
PBT1012A	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
PBWBE24HGW0	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011	N/A	N/A	N/A	N/A		
SE2522-001	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						A
SE2624-001	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2624-002	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2624-003	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						B
SE2624-003P	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2624-003S	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2660-001	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						A
SE2660-002	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2691-001	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2782-001	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2782-002	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2782-003	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2782-004	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2794-001T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2818-006T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						B
SE2818-008T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2818-010T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2818-012T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						
SE2826-001T	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						A
~~SE2830-002~~	~~BE24HGW0~~		~~L~~		~~L~~	~~AQ~~	~~HG~~	~~HHH~~	~~05/24/2011~~						
SE2849-006	BE24HGW0	0.025	L	0.025	L	AQ	HG	HHH	05/24/2011						D
SE2849-007	BE24HGW0		L		L	AQ	HG	HHH	05/24/2011						D

HHH 5-25-11

QA-066-Revision 1 - 09/23/2010 **Digestion performed by:** HHH **On:** 5-24-11 **Page:** BE120 **Revision:** 00

Katahdin Analytical Services 4000128

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:
HNO3: K09041 HCL: K12046 H2O2: N/A **Method:** 3010

LCS / Spike **LCS/Spiking Information:**

- [x] [x] CLPP-SPK-1 (ID/Vol): MS1674 / 0.05 mL
- [x] [x] CLPP-SPK-INT1 (ID/Vol): MW13060 / 0.5 mL
- [x] [x] CLPP-SPK-INT2 (ID/Vol): MW13048 / 0.5 mL
- [ ] [ ] Uranium Spike (ID/Vol): N/A / mL
- [ ] [ ] CLPP-SPK-4 (ID/Vol): N/A / mL

Hot Plate/Block ID : B
Start Time/Temp.: 11:40 / 98 °C
End Time/Temp. : 16:00 / 99 °C
Thermometer ID/Pos.: ALC19 / 1:1

Filter Paper: 396567 B

REVIEWED
EQ 05 25 11
KATAHDIN ANALYTICAL METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Clarity	Final Color	Final Clarity	Artifacts	Bottle
LCSWBE24ICW1	BE24ICW1	0.05	L	0.05	L	AQ	IC	NAT	05/24/2011	N/A	N/A	N/A	N/A		
PBWBE24ICW1	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011	N/A	N/A	N/A	N/A		
SE2518-001R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						D
SE2518-002R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-005R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-006R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-007R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-008R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-009R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-010R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-011R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2518-012R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2582-014R	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						A
~~SE2756-001~~	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2794-001T	BE24ICW1	0.01	L		L	AQ	IC	NAT	05/24/2011						
SE2818-006T	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						B
SE2818-008T	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2818-010T	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						NT
SE2818-012T	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
SE2836-001T	BE24ICW1		L		L	AQ	IC	NAT	05/24/2011						
PBT1012A			L		L										P
SE2518-012RP		0.05	L		L										D
SE2518-012RS			L		L										

in 05 25 11

NT 5/24/11

QA-064-Revision 1 - 09/23/2010 Digestion performed by: NT On: 5/24/11 Page: BE116 Revision: 00

Katahdin Analytical Services 4000129

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Quality Control Report

Blank Sample Summary Report

Cyanide, Reactive

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92049	SW846 7.3.3	26-MAY-11	25-MAY-11	U 0.80 mg/Kg	1.0 mg/Kg	0.80

Ignitability

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG91956	SW846 1010	23-MAY-11	N/A	> 71. Deg. C	71. Deg. C	N/A

Sulfide,Reactive

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92001	SW846 7.3.4	25-MAY-11	25-MAY-11	U 20. mg/Kg	27. mg/Kg	20.

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG92019	ASTM D2216	26-MAY-11	25-MAY-11	U 1 %	1 %	N/A
MBLANK	WG92542	ASTM D2216	07-JUN-11	06-JUN-11	U 1 %	1 %	N/A

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Cyanide, Reactive

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92049-2	LCS	WG92049	26-MAY-11	25-MAY-11	mg/Kg	5	1.8	37	0-100	

Ignitability

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG91956-2	LCS	WG91956	23-MAY-11	N/A	Deg. C	27	27.	100	80-120	
WG91956-4	LCSD	WG91956	23-MAY-11	N/A	Deg. C	27	25.	92	80-120	8

Sulfide,Reactive

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92001-2	LCS	WG92001	25-MAY-11	25-MAY-11	mg/Kg	852.24	460	54	50-150	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG92019-2	LCS	WG92019	26-MAY-11	25-MAY-11	%	90	90.	100	80-120	
WG92542-2	LCS	WG92542	07-JUN-11	06-JUN-11	%	90	90.	100	80-120	

pH(Soil)

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG91941-1	LCS	WG91941	23-MAY-11	23-MAY-11	pH	7	7.0	100	80-120	

Katahdin
ANALYTICAL SERVICES

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Quality Control Report

Duplicate Sample Summary Report

Cyanide, Reactive

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG92049-3	SE2818-6	WG92049	26-MAY-11	mg/Kg	U 0.8	U ~~1.0~~ 0.8	NC	20

Ignitability

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG91956-3	SE2818-6	WG91956	23-MAY-11	Deg. C	> 71.	> 71.	NC	20

Sulfide,Reactive

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG92001-3	SE2818-6	WG92001	25-MAY-11	mg/Kg	U 20	U 20	NC	20

pH(Soil)

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG91941-2	SE2818-6	WG91941	23-MAY-11	pH	7.8	7.8	1	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Matrix Spike Sample Summary Report

Cyanide, Reactive

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG92049-4	MS	SE2818-6	WG92049	26-MAY-11	mg/Kg	4.99	U 1.0	1.6	32	0 - 100

Sulfide,Reactive

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG92001-4	MS	SE2818-6	WG92001	25-MAY-11	mg/Kg	848	U 27	580	68	50 - 150

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Sample Data Section

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

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 Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H1 Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H2 Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H3 Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H4 Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-1
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S001	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:50:00	ASTM D2216	06-JUN-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-2
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S002	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	93. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:51:00	ASTM D2216	06-JUN-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-3
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S003	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	88. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:52:00	ASTM D2216	06-JUN-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-4
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S004	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:53:00	ASTM D2216	06-JUN-11	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-5
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-S005	SL	18-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1	N/A	SM2540G	WG92542	07-JUN-11 15:54:00	ASTM D2216	06-JUN-11	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-6
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-2117	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:02	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 15:22:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27	20	SW846 7.3.4	WG92001	25-MAY-11 09:53:00	SW846 7.3.4	25-MAY-11	
Total Solids	91. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:02:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:19:00	SW846 9045C	23-MAY-11	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-7
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-2117	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	91. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:02:00	ASTM D2216	25-MAY-11	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-8
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-5526	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:05	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:07:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27	20	SW846 7.3.4	WG92001	25-MAY-11 09:59:00	SW846 7.3.4	25-MAY-11	
Total Solids	90. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:03:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:25:00	SW846 9045C	23-MAY-11	

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Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-9
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-5526	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:03:00	ASTM D2216	25-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-10
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-782	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:06	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:30:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27.	20	SW846 7.3.4	WG92001	25-MAY-11 10:02:00	SW846 7.3.4	25-MAY-11	
Total Solids	94. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:04:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.8 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:27:00	SW846 9045C	23-MAY-11	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-11
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-782	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	94. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:04:00	ASTM D2216	25-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-12
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-954	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Cyanide, Reactive	U0.8 mg/Kg	1.0	.8	SW846 7.3.3	WG92049	26-MAY-11 13:28:07	SW846 7.3.4	25-MAY-11	
Ignitability	>71. Deg. C	71.	N/A	SW846 1010	WG91956	23-MAY-11 16:45:00	N/A	N/A	
Sulfide,Reactive	U20 mg/Kg	27.	20	SW846 7.3.4	WG92001	25-MAY-11 10:04:00	SW846 7.3.4	25-MAY-11	
Total Solids	92. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:05:00	ASTM D2216	25-MAY-11	
pH(Soil)	7.7 pH	0.10	N/A	SW846 9045C	WG91941	23-MAY-11 19:29:00	SW846 9045C	23-MAY-11	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Shaun C. Whitworth
Osage of Virginia, Inc.
2618 Colley Avenue
Norfolk,VA 23517-1132

Lab Sample ID: SE2818-13
Report Date: 08-JUN-11
Client PO:
Project: MCB Lejeune Site 6 L
SDG: SE2818

Sample Description	Matrix	Date Sampled	Date Received
SITE6-IDW-954	SL	19-MAY-11	20-MAY-11

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	92. %	1	N/A	SM2540G	WG92019	26-MAY-11 07:05:00	ASTM D2216	25-MAY-11	

Raw Data Section

WET CHEMISTRY BATCH REPORT
May 26 2011, 03:06 pm
Batch: WG92049

Parameter: Cyanide, Reactive

Prep Date: 25-MAY-11

Date Analyzed: 26-MAY-11

Prep Method: SW846 7.3.4

Analyst Initials: CP

Prep Chemist: CP

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2818-10	SAMP	SW846 7.3.3	10.056g	190.00mL	.756	.02887	U1.0 mg/Kg	94.	1	0.16	1.0		
SE2818-12	SAMP	SW846 7.3.3	10.069g	190.00mL	.755	-.0254	U1.0 mg/Kg	92.	1	0.16	1.0		
SE2818-6	SAMP	SW846 7.3.3	10.483g	190.00mL	.725	-.0589	U1.0 mg/Kg	91.	1	0.16	1.0		
SE2818-8	SAMP	SW846 7.3.3	10.270g	190.00mL	.74	-.1353	U1.0 mg/Kg	90.	1	0.16	1.0		
WG92049-1	MBLANK	SW846 7.3.3	10.000g	190.00mL	.76	.18352	U0.80 mg/Kg	NA	1	0.16	1.0		
WG92049-2	LCS	SW846 7.3.3	10.000g	190.00mL	.76	97.1029	1.8 mg/Kg	NA	1	0.16	1.0		37
WG92049-3	DUP	SW846 7.3.3	10.423g	190.00mL	.729	-.1066	U1.0 mg/Kg	NA	1	0.16	1.0	NC	
WG92049-4	MS	SW846 7.3.3	10.051g	190.00mL	.756	83.8741	1.6 mg/Kg	NA	1	0.16	1.0		32

Comments:

SE2818-10	sample may be highly contaminated
SE2818-12	sample may be highly contaminated
SE2818-6	sample may be highly contaminated
SE2818-8	sample may be highly contaminated
WG92049-1	SE2818-6
WG92049-2	SE2818-6
WG92049-3	SE2818-6
WG92049-4	SE2818-6

Entered by: CP Date: 5/26/11 Accepted by: [signature] Date: 05/27/11

WET CHEMISTRY BATCH REPORT
May 26 2011, 03:07 pm
Batch: WG92050

Parameter: Total Cyanide

Date Analyzed: 26-MAY-11

Analyst Initials: CP

Prep Date: 26-MAY-11

Prep Method: EPA 335.4

Prep Chemist: CP

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2837-2	SAMP	EPA 335.4	50.000mL	50.000mL	1	11.2898	11. ug/L	NA	10	4.0	10.		
WG92050-1	MBLANK	EPA 335.4	50.000mL	50.000mL	1	1.30903	U8.0 ug/L	NA	10	4.0	10.		
WG92050-2	LCS	EPA 335.4	50.000mL	50.000mL	1	210.499	210 ug/L	NA	10	4.0	10.		105

Comments:

WG92050-1 SE2837-2
WG92050-2 SE2837-2

Entered by: CP Date: 5/26/11 Accepted by: [signature] Date: 05/27/11

WET CHEMISTRY BATCH REPORT
May 26 2011, 03:07 pm
Batch: WG92051

Parameter: Total Cyanide

Date Analyzed: 26-MAY-11

Analyst Initials: CP

Prep Date: 26-MAY-11

Prep Method: EPA 335.4

Prep Chemist: CP

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2830-1	SAMP	EPA 335.4	50.000mL	50.000mL	1	1.46589	05.0 ug/L	NA	5	4.0	5.0		
SE2831-1	SAMP	EPA 335.4	50.000mL	50.000mL	1	2.0406	05.0 ug/L	NA	5	4.0	5.0		
WG92051-1	MBLANK	EPA 335.4	50.000mL	50.000mL	1	1.30903	05.0 ug/L	NA	5	4.0	5.0		
WG92051-2	LCS	EPA 335.4	50.000mL	50.000mL	1	210.499	210 ug/L	NA	5	4.0	5.0		105
WG92051-3	DUP	EPA 335.4	50.000mL	50.000mL	1	1.47014	05.0 ug/L	NA	5	4.0	5.0	NC	
WG92051-4	MS	EPA 335.4	50.000mL	50.000mL	1	77.0911	77. ug/L	NA	5	4.0	5.0		77

Comments:

WG92051-1	SE2830-1
WG92051-2	SE2830-1
WG92051-3	SE2830-1
WG92051-4	SE2831-1

Entered by: CP Date: 5/26/11 Accepted by: [signature] Date: 05/27/11

AquaKem v. 6.5 AQ1									
Results from time period:									
Thu May 26 13:08:37 2011									
Thu May 26 14:06:00 2011									
Sample Id	Test short name	Result	Result unit	Result date and time	Dil. Factor	Response	Blank init abs. (A)	Main abs. 1	Comments
CN-0	Cyanide	0.3789	µg/l	5/26/11 13:08:37	1	0.00375	0.00014	0.00389	
CN-250	Cyanide	4.33306	µg/l	5/26/11 13:08:38	50	0.00736	-0.00036	0.00701	
CN-250	Cyanide	10.06584	µg/l	5/26/11 13:08:39	25	0.0126	-0.00036	0.01224	
CN-250	Cyanide	25.38672	µg/l	5/26/11 13:08:40	10	0.02659	-0.00026	0.02632	
CN-250	Cyanide	50.10134	µg/l	5/26/11 13:08:41	5	0.04915	-0.00021	0.04895	
CN-250	Cyanide	99.63727	µg/l	5/26/11 13:08:42	2.5	0.09439	0.00014	0.09453	
CN-250	Cyanide	250.09683	µg/l	5/26/11 13:08:43	1	0.23177	0.0004	0.23217	
CN-CCV	Cyanide	116.86821	µg/l	5/26/11 13:27:57	1	0.11012	0.0005	0.11062	93%
CN-CCB	Cyanide	0.12356	µg/l	5/26/11 13:27:58	1	0.00352	-0.00031	0.0032	
ICV	Cyanide	204.18767	µg/l	5/26/11 13:27:59	1	0.18985	-0.0002	0.18965	102%
WG92049-1	Cyanide	0.18352	µg/l	5/26/11 13:28:00	1	0.00357	-0.0001	0.00347	
WG92049-2	Cyanide	97.10299	µg/l	5/26/11 13:28:01	1	0.09207	0.00297	0.09504	
SE2818-6	Cyanide	-0.0589	µg/l	5/26/11 13:28:02	1	0.00335	-0.00027	0.00308	
WG92049-3	Cyanide	-0.10666	µg/l	5/26/11 13:28:03	1	0.00331	-0.00028	0.00303	
WG92049-4	Cyanide	83.8741	µg/l	5/26/11 13:28:04	1	0.07999	0.00072	0.08071	
SE2818-8	Cyanide	-0.13539	µg/l	5/26/11 13:28:05	1	0.00328	0.00027	0.00355	
SE2818-10	Cyanide	0.02887	µg/l	5/26/11 13:28:06	1	0.00343	0.00005	0.00348	
SE2818-12	Cyanide	-0.02542	µg/l	5/26/11 13:28:07	1	0.00338	-0.00004	0.00334	
CN-CCV	Cyanide	126.56405	µg/l	5/26/11 13:31:00	1	0.11897	-0.00041	0.11856	101%
CN-CCB	Cyanide	-0.21932	µg/l	5/26/11 13:31:01	1	0.00321	-0.00034	0.00286	
CN-CCV	Cyanide	117.1367	µg/l	5/26/11 13:50:20	1	0.11036	-0.00043	0.10994	94%
CN-CCB	Cyanide	-0.0644	µg/l	5/26/11 13:50:21	1	0.00335	-0.00022	0.00313	
WG92051-1	Cyanide	1.30903	µg/l	5/26/11 13:50:22	1	0.0046	0.0001	0.0047	
WG92051-2	Cyanide	210.49959	µg/l	5/26/11 13:50:23	1	0.19561	0.00019	0.1958	
HP	Cyanide	253.66496	µg/l	5/26/11 13:50:24	1	0.23503	0.00133	0.23635	rerun, dilute
LP	Cyanide	10.76241	µg/l	5/26/11 13:50:25	1	0.01323	-0.00008	0.01315	
SE2830-1	Cyanide	1.46589	µg/l	5/26/11 13:50:26	1	0.00474	0.00011	0.00485	
WG92051-3	Cyanide	1.47014	µg/l	5/26/11 13:50:27	1	0.00475	0.00008	0.00483	
SE2831-1	Cyanide	2.0406	µg/l	5/26/11 13:50:28	1	0.00527	0.00044	0.0057	
WG92051-4	Cyanide	77.09118	µg/l	5/26/11 13:50:29	1	0.0738	0.00018	0.07398	
SE2837-2	Cyanide	11.28988	µg/l	5/26/11 13:50:30	1	0.01371	0.00002	0.01373	
CN-CCV	Cyanide	124.94333	µg/l	5/26/11 13:53:23	1	0.11749	-0.00014	0.11735	100%
CN-CCB	Cyanide	-0.29688	µg/l	5/26/11 13:53:24	1	0.00313	-0.00031	0.00283	
HP	Cyanide	259.83255	µg/l	5/26/11 14:03:37	2	0.12203	-0.00014	0.1219	
CN-CCV	Cyanide	121.09534	µg/l	5/26/11 14:05:59	1	0.11398	-0.00044	0.11354	97%
CN-CCB	Cyanide	-0.06692	µg/l	5/26/11 14:06:00	1	0.00334	-0.00047	0.00287	

Results by Test AquaKem 6.5 Page: 1

Laboratory
Analyzer User

Date : 2011-05-26
Time : 14.22

Test : Cyanide
Unit : µg/l

Sample	Result	Date and Time	Note	Dilut
CN-CCV	116.8682	2011-05-26 13.27		
CN-CCB	0.1236	2011-05-26 13.27		
ICV	204.1877	2011-05-26 13.27		
RBLANK	0.1835	2011-05-26 13.28		
RLCS	97.1030	2011-05-26 13.28		
SE2818-6	<0.0000	2011-05-26 13.28		
SE2818-6DUP	<0.0000	2011-05-26 13.28		
SE2818-6MS	83.8741	2011-05-26 13.28		
SE2818-8	<0.0000	2011-05-26 13.28		
SE2818-10	0.0289	2011-05-26 13.28		
SE2818-12	<0.0000	2011-05-26 13.28		
CN-CCV	126.5640	2011-05-26 13.31		
CN-CCB	<0.0000	2011-05-26 13.31		
CN-CCV	117.1367	2011-05-26 13.50		
CN-CCB	<0.0000	2011-05-26 13.50		
DBLANK	1.3090	2011-05-26 13.50		
DLCS	210.4996	2011-05-26 13.50		
HP		-	R	
LP	10.7624	2011-05-26 13.50		
SE2830-1	1.4659	2011-05-26 13.50		
SE2830-1DUP	1.4701	2011-05-26 13.50		
SE2831-1	2.0406	2011-05-26 13.50		
SE2831-1MS	77.0912	2011-05-26 13.50		
SE2837-2	11.2899	2011-05-26 13.50		
CN-CCV	124.9433	2011-05-26 13.53		
CN-CCB	<0.0000	2011-05-26 13.53		
HP	259.8326	2011-05-26 14.03	R	1+1.0
CN-CCV	121.0953	2011-05-26 14.05		
CN-CCB	<0.0000	2011-05-26 14.06		

W692049 Reac.
R160380
W692050
R160381
W692051
R160382

Calibration results AquaKem 6.5 Page: 1

Laboratory
Analyzer User

26.05.2011 13:10

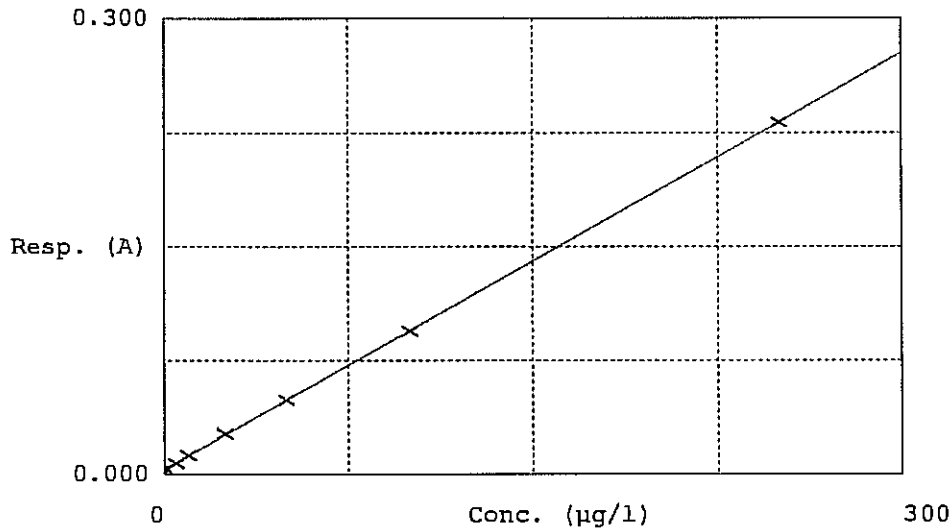
Test Cyanide

Accepted 26.05.2011 13:10

Factor 1095
Bias 0.003

Coeff. of det. 0.999981

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0	0.004	0.37890	0.00000	
2	CN-250	0.007	4.33306	5.00000	
3	CN-250	0.013	10.06584	10.00000	
4	CN-250	0.027	25.38672	25.00000	
5	CN-250	0.049	50.10134	50.00000	
6	CN-250	0.094	99.63727	100.00000	
7	CN-250	0.232	250.09683	250.00000	

KATAHDIN ANALYTICAL SERVICES, INC.
Wet Chemistry Analysis Run Information Sheet

Analyte: CYANIDE	Analyst: CP
Instrument: KONELAB 20	Analysis Date: 5/26/11

Analytical Method (Check all that apply):

[ ] SW846 9012M [✓] SW846 7.3.4 (Reactive) [✓] EPA 335.4

Reagent Information:

Reagent Name	Reagent ID	Expiration Date
Pyridine / Barbituric Acid	W9551	10/7/11
Phosphate Buffer	SWL3088	3/5/12
Chloramine-T (dry reagent)	SWL1587	3/19/11
Chloramine-T Solution	Prepared on day of use from dry reagent	
10 N NaOH Solution	SWL3040	8/31/12
0.25 N NaOH Solution	Prepared on day of use from 10 N NaOH	

Standards Information:

Standard Name	Concentration	ID	Expiration Date
Cal. Standard / CCV Stock	1000 mg/L	SWL3096	5/31/12
Cal. Std. / CCV Intermediate	50 mg/L	W9715	9/12/11
250 ug/L Calibration Standard	250 ug/L	Prepared on day of use	
CCV	125 ug/L	Prepared on day of use	
ICV Stock	1000 mg/L	SWL3025	10/01/11
ICV Intermediate	50 mg/L	W9897	8/13/11
ICV	200 ug/L	Prepared on day of use	

Notes:

1) Some reagents and standards were prepared on day of use by dilution with reagent water as follows:

Reagent or Standard	Prepared From	Amount Added	Final Volume
Chloramine-T Solution	Chloramine-T (dry reagent)	1.0 g	100 mL
0.25 N NaOH	10 N NaOH	25 mL	1000 mL
Cal. Std. / CCV Intermediate	Cal. Std. / CCV Stock	0.50 mL	10.0 mL
250 ug/L Calibration Standard	Cal. Std. / CCV Intermediate	0.125 mL	25.0 mL
CCV	250 ug/L Calibration Standard	5.0 mL	10.0 mL
ICV Intermediate	ICV Stock	0.500 mL	10.0 mL
ICV	ICV Intermediate	0.100 mL	25.0 mL

2) Additional calibration standards (100, 50, 25, 10, 5 ug/L) prepared by instrument during analysis through dilution of the 250 ug/L calibration standard.

KATAHDIN ANALYTICAL

REACTIVE SULFIDE

EPA: 7.3.4.2/9030 PQL: 27 mg/kg

REAGENTS:

IODINE STANDARD: W9648
Na2S SOLUTION: W9619
HCl-6N: J360360

STS SOLUTION-0.0375N: SWL3065
NaOH-0.25N: 5/25/11
H2SO4-0.01N: 5/25/11

STANDARDNIZATION OF I2

VOL(ml) I2	VOL(ml) Na2S2O3
10	6.75
10	6.70
10	6.70
	X:

CALC OF I2 N: .02519

STANDARDNIZATION OF H2S

VOL(ml) I2	VOL(ml) Na2S2O3	VOL(ml) Na2S
10	4.05	2
10	4.06	2
10	4.00	2
	X:	

CALC OF H2S mg/L: 852.24

Time of Analysis	Sample ID	Sample Wt. (g)	NaOH Trap Vol.(ml)	Analysis Vol.(ml)	ml I2 Soln Added	ml STS to Endpoint	Comments
0944	Blank	10	190	150	10	6.63	830-900
50	LCS	10			25	11.06	
53	SF28818-6	10.483			10	6.58	
55	-6DP	10.423			10	6.75	
57	-6DD	10.051			25	9.55	
59	-8	10.270			10	6.61	
1002	-10	10.056			10	6.75	0910-0940
04	-12	10.069			10	6.72	

NOTES:

ANALYST: CL DATE: 5/25/11
CHECKED BY: [illegible] DATE: 05/26/11

KATAHDIN ANALYTICAL SERVICES

CYANIDE MIDI DISTILLATION: 4500-CN C 335.4 9012B

PQL = 10 ug/L (AQ) & 0.5 mg/kg (SL)

Standard	True Value ug/L	Source Standard ID	Source Standard Spike Amount mL	Lot Number:
Cal High Point	250	W9715	0.25	MgCl2 SOLUTION: SWL3972
Cal Low Point	10	↓	0.01	SULFAMIC ACID: SWL2755
LCS	200	W9897	0.20	NaOH-0.25N: SWL3040
Matrix Spike	100	↓	0.10	H2SO4: J32025
Soil LCS	N/A	N/A	NA	BLOCK ID: WC3

Notes:

KAS Sample ID	Res. Cl Check	Res. S2 Check	Initial pH	Distillation Start Time	Distillation End Time	Sample Volume (mL)	Sample Weight (g)	Distillate Volume	Comments
Blank	NA	NA	NA	1115	1315	50		50mL	
LCS	NA	NA	NA						
High	NA	NA	NA						
Low	NA	NA	NA						
SE 2830-1A	✓	✓	✓						
-1DUP									
SE 2831-1A									
-1MS									
SE 2837-2C	✓	✓	✓	↓	↓	↓		↓	

CP 5/26/11

DISTILLED BY: CP

DISTILLATION DATE: 5/26/11

REVIEWED BY: [signature]

REVIEW DATE: 05/26/11

WL-020 – Revision 2 – 01/19/2011

QAWL606

0000027

WET CHEMISTRY BATCH REPORT
May 25 2011, 02:42 pm
Batch: WG91956

Parameter: Ignitability

Date Analyzed: 23-MAY-11

Analyst Initials: DW

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2818-10	SAMP	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.		
SE2818-12	SAMP	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.		
SE2818-6	SAMP	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.		
SE2818-8	SAMP	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.		
WG91956-1	MBLANK	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.		
WG91956-2	LCS	SW846 1010	1g	1g	1	26.87	27. Deg. C	NA	71	71.	71.		100
WG91956-3	DUP	SW846 1010	1g	1g	1	71	>71. Deg. C	NA	71	71.	71.	NC	
WG91956-4	LCSD	SW846 1010	1g	1g	1	24.87	25. Deg. C	NA	71	71.	71.	8	92

Comments:

SE2818-10	sample may be highly contaminated
SE2818-12	sample may be highly contaminated
SE2818-6	sample may be highly contaminated
SE2818-8	sample may be highly contaminated
WG91956-3	SE2818-6

Entered by: DW Date: 5/25/11 Accepted by: [illegible] Date: 05/26/11

KATAHDIN ANALYTICAL SERVICES, INC. - FLASHPOINT – CLOSED CUP LOGBOOK

WG 91956 R160182

METHOD: SW 846 1010	p-XYLENE: 27 Degrees Celcius	Ambient Barometric Pressure (*) = 764.032 mm Hg (in. of Hg) X (25.4 mm/in) 30.08
PQL: 25 Degrees Celcius	p-XYLENE Lot Number: SWL 3102	

Sample ID	Analysis Time	Start Temperature (°C)	End Temperature (°C)	Flash? (Check appropriate box & record temp.) YES	Temp.(°C)	NO	Reported Flashpoint Corrected For Ambient Barometric Pressure	Comments
-2 p-Xylene (LCS)	1443	25	27	✓	27		26.87	
-4 p-Xylene (LCS)	1447	25	25	✓	25		24.87	
-1 Method Blank	1511	25	71			✓		
SE2818-6C	1522	25	71			✓		
SE2818-6Dup	1539	25	71			✓		
SE2818-8C	1607	25	71			✓		
SE2818-10C	1630	25	71			✓		
SE2818-12D	1645	25	71					
~~SE2679-1A~~ DW 5/23								
~~2A~~								
~~3A~~				DW 5/23/11				

QAWL595

* = Ambient Pressure of the laboratory at the time of the test. When the pressure differs from 760 mm Hg, correct the flashpoint as follows:
Corrected Flashpoint = (Observed Flashpoint in °C) + 0.033 (760 - the ambient barometric pressure in mm Hg). -.133

Analyst DW Date 5/23/11

Reviewed By [illegible] Date 05/25/11

WL-029 – REVISION 1 – 10/06/2010

WET CHEMISTRY BATCH REPORT
May 26 2011, 08:20 am
Batch: WG92001

Parameter: Sulfide,Reactive

Date Analyzed: 25-MAY-11

Analyst Initials: CP

Prep Date: 25-MAY-11

Prep Method: SW846 7.3.4

Prep Chemist: CP

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2818-10	SAMP	SW846 7.3.4	10.056g	190.00mL	.99	-.02	U27. mg/Kg	NA	27	16.39	27.		
SE2818-12	SAMP	SW846 7.3.4	10.069g	190.00mL	.99	0	U27. mg/Kg	NA	27	16.39	27.		
SE2818-6	SAMP	SW846 7.3.4	10.483g	190.00mL	.95	.08	U27 mg/Kg	NA	27	16.39	27		
SE2818-8	SAMP	SW846 7.3.4	10.270g	190.00mL	.97	.06	U27 mg/Kg	NA	27	16.39	27		
WG92001-1	MBLANK	SW846 7.3.4	10.000g	190.00mL	1	.05	U20. mg/Kg	NA	27	16.39	27.		
WG92001-2	LCS	SW846 7.3.4	10.000g	190.00mL	1	3.45	460 mg/Kg	NA	27	16.39	27.		54
WG92001-3	DUP	SW846 7.3.4	10.423g	190.00mL	.96	-.02	U20 mg/Kg	NA	27	16.39	27	NC	
WG92001-4	MS	SW846 7.3.4	10.051g	190.00mL	.99	4.35	580 mg/Kg	NA	27	16.39	27.		68

Comments:

SE2818-10	sample may be highly contaminated
SE2818-12	sample may be highly contaminated
SE2818-6	sample may be highly contaminated
SE2818-8	sample may be highly contaminated
WG92001-1	SE2818-6
WG92001-2	SE2818-6
WG92001-3	SE2818-6
WG92001-4	SE2818-6

Entered by: CP Date: 5/26/11 Accepted by: [signature] Date: 05/27/11

REACTIVE SULFIDES
TITRIMETRIC

EPA: 7.3.4.2/9030
PQL = 27 mg/kg

DATE:	5/25/2011
ANALYST:	CP

STANDARDIZATION OF IODINE SOLUTION

VOL (mL) I_2	VOL (mL) $Na_2S_2O_3$
10.00	6.75
10.00	6.70
10.00	6.70
Mean $Na_2S_2O_3$=	6.72

CALC I_2 N =	0.02519

STANDARDIZATION OF SODIUM SULFIDE STANDARD

VOL (mL) I_2	VOL (mL) NA_2S	VOL (mL) $Na_2S_2O_3$
10.00	2.00	4.05
10.00	2.00	4.06
10.00	2.00	4.00
Mean Vol $Na_2S_2O_3$=		4.04

CALC NA_2S (mg H_2S/L):	852.24

$Na_2S_2O_3$ Normality:	0.0375

W69200\
R160281

Sample ID	Sample Wt. (g)	Trap Vol. (mL)	Analysis Vol. (mL)	Volume I_2 Added (mL)	Volume $Na_2S_2O_3$ Added (mL)	Extraction Time (sec)	Calc. Sulfide (as H_2S) in Analysis Aliquot (mg)	Releasable H_2S in Smpl. (mg/kg)	Recovery (%)	Duplicate RPD (%)
BLK	10.000	190.00	150.00	10.00	6.63	1800.00	0.05	7.01		
LCS S2	10.000	190.00	150.00	25.00	11.06	1800.00	3.45	463.92	54.4	
SE2818-6	10.483	190.00	150.00	10.00	6.58		0.08	10.55		
SE2818-6DUP	10.423	190.00	150.00	10.00	6.75		-0.02	-2.59		
SE2818-6MS	10.051	190.00	150.00	25.00	9.55		4.35	583.16		
SE2818-8	10.270	190.00	150.00	10.00	6.61		0.06	8.41		
SE2818-10	10.056	190.00	150.00	10.00	6.75		-0.02	-2.68		
SE2818-12	10.069	190.00	150.00	10.00	6.72		0.00	-0.27		
							0.00	#DIV/0!		
							0.00	#DIV/0!		
							0.00	#DIV/0!		
							0.00	#DIV/0!		
							0.00	#DIV/0!		
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							0.00	#DIV/0!		
							0.00	#DIV/0!		

KATAHDIN ANALYTICAL

REACTIVE SULFIDE

EPA: 7.3.4.2/9030 PQL: 27 mg/kg

REAGENTS:

IODINE STANDARD: W9648
Na2S SOLUTION: W9619
HCl-6N: J 316036

STS SOLUTION-0.0375N: SWL3065
NaOH-0.25N: 5/25/11
H2SO4-0.01N: 5/25/11

STANDARDNIZATION OF I2

VOL(ml) I2	VOL(ml) Na2S2O3
10	6.75
10	6.70
10	6.70
	X:

CALC OF I2 N: .02519

STANDARDNIZATION OF H2S

VOL(ml) I2	VOL(ml) Na2S2O3	VOL(ml) Na2S
10	4.05	2
10	4.06	2
10	4.00	2
	X:	

CALC OF H2S mg/L: 852.24

Time of Analysis	Sample ID	Sample Wt. (g)	NaOH Trap Vol.(ml)	Analysis Vol.(ml)	ml I2 Soln Added	ml STS to Endpoint	Comments
0944	Blank	10	190	150	10	6.63	830-900
50	LCS	10			25	11.06	
53	SF28818-6	10.483			10	6.58	
55	-6dup	10.423			10	6.75	
57	-6MS	10.051			25	9.55	
59	-8	10.270			10	6.61	
1002	-10	10.056			10	6.75	0910-0940
04	-12	10.069			10	6.72	

NOTES:

ANALYST: CL DATE: 5/25/11
CHECKED BY: [signature] DATE: 05/26/11

TOTAL SOLIDS BATCH REPORT
May 26 2011, 09:25 am
Batch: WG92019

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SE2818-10	SL	SAMP	WG92019	25-MAY-11	1.302 g	6.396 g	6.065 g	ARE	26-MAY-11	93.5020	94. %		
SE2818-11	SL	SAMP	WG92019	25-MAY-11	1.302 g	6.396 g	6.065 g	ARE	26-MAY-11	93.5020	94. %		
SE2818-12	SL	SAMP	WG92019	25-MAY-11	1.308 g	6.783 g	6.354 g	ARE	26-MAY-11	92.1640	92. %		
SE2818-13	SL	SAMP	WG92019	25-MAY-11	1.308 g	6.783 g	6.354 g	ARE	26-MAY-11	92.1640	92. %		
SE2818-6	SL	SAMP	WG92019	25-MAY-11	1.304 g	6.597 g	6.109 g	ARE	26-MAY-11	90.7800	91. %		
SE2818-7	SL	SAMP	WG92019	25-MAY-11	1.304 g	6.597 g	6.109 g	ARE	26-MAY-11	90.7800	91. %		
SE2818-8	SL	SAMP	WG92019	25-MAY-11	1.308 g	6.569 g	6.036 g	ARE	26-MAY-11	89.8690	90. %		
SE2818-9	SL	SAMP	WG92019	25-MAY-11	1.308 g	6.569 g	6.036 g	ARE	26-MAY-11	89.8690	90. %		
SE2821-2	SL	SAMP	WG92019	25-MAY-11	1.3 g	4.426 g	1.563 g	ARE	26-MAY-11	8.4130	8.4 %		
WG92019-1	SL	MBLANK	WG92019	25-MAY-11	1.3 g	1.3 g	1.3 g	ARE	26-MAY-11	0.0000	1 %		
WG92019-2	SL	LCS	WG92019	25-MAY-11	1.3 g	6.306 g	5.802 g	ARE	26-MAY-11	89.9320	90. %	100	

Comments:

SE2818-10	sample may be highly contaminated
SE2818-11	sample may be highly contaminated
SE2818-12	sample may be highly contaminated
SE2818-13	sample may be highly contaminated
SE2818-6	sample may be highly contaminated
SE2818-7	sample may be highly contaminated
SE2818-8	sample may be highly contaminated
SE2818-9	sample may be highly contaminated
SE2821-2	Analyze solid phase. Limited Volume. Verify TS, TOC, Metals have been done before TPH!!!
WG92019-1	SE2818-6
WG92019-2	SE2818-6

Entered by: MMM Date: 5-26-11 Accepted by: [illegible] Date: 05/27/11

KATAHDIN ANALYTICAL SERVICES, INC. WG92019/A160298

TOTAL SOLIDS: ASTM D2216		PQL: 0.10%	BALANCE ID: 30050012
TOTAL VOLATILE SOLIDS: SM2540 G	E160.4	PQL: 0.10%	ASTM CLASS 1 WEIGHTS
ANALYST IN: AMF	ANALYST OUT:		
DATE IN: 5.25.11	DATE OUT: 5.26.11		
TIME IN: 17:00	TIME OUT: 6:00		
TEMP IN: 102°C	TEMP OUT: 102°C		
Oven ID: 107N0042	Muffle Oven ID:		
CHECKED BY: [illegible]	DATE: 05/26/11		

TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
2.0000	2.000	2.001
5.0000	5.001	5.000
10.0000	10.000	10.001
100.0000		

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
Blank	1	1.300	1.300	1.300		7:00
LCS	2	1.300	6.306	5.802		01
SE 2818.6,7	3	1.304	6.597	6.109		02
-8,9	4	1.308	6.569	6.036		03
-10,11	5	1.302	6.396	6.065		04
-12,13	6	1.308	6.783	6.354		05
SE2706-1	7	1.303	6.222	5.417		06
-1DUP	8	1.304	6.665	5.853		07
-2	9	1.307	9.591	8.182		08
-2DUP	10	1.305	8.109	6.799		09
-3	11	1.304	6.880	5.433		10
-4	12	1.299	6.437	5.173		11
-5	13	1.302	7.242	5.719		12
SE2821.2	14	1.300	4.426	1.563		13

AMF 5.25.11

Katahdin Analytical Services 5000038

TOTAL SOLIDS BATCH REPORT
Jun 08 2011, 10:55 am
Batch: WG92542

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SE2818-1	SL	SAMP	WG92542	06-JUN-11	1.301 g	5.68 g	5.237 g	MMM	07-JUN-11	89.8840	90. %		
SE2818-2	SL	SAMP	WG92542	06-JUN-11	1.305 g	5.552 g	5.245 g	MMM	07-JUN-11	92.7710	93. %		
SE2818-3	SL	SAMP	WG92542	06-JUN-11	1.302 g	5.619 g	5.107 g	MMM	07-JUN-11	88.1400	88. %		
SE2818-4	SL	SAMP	WG92542	06-JUN-11	1.303 g	5.699 g	5.213 g	MMM	07-JUN-11	88.9440	89. %		
SE2818-5	SL	SAMP	WG92542	06-JUN-11	1.301 g	5.701 g	5.218 g	MMM	07-JUN-11	89.0230	89. %		
SE3087-1	SL	SAMP	WG92542	06-JUN-11	1.296 g	6.018 g	2.51 g	MMM	07-JUN-11	25.7090	26. %		
SE3087-10	SL	SAMP	WG92542	06-JUN-11	1.304 g	5.972 g	2.628 g	MMM	07-JUN-11	28.3630	28. %		
SE3087-11	SL	SAMP	WG92542	06-JUN-11	1.304 g	6.329 g	3.492 g	MMM	07-JUN-11	43.5420	44. %		
SE3087-12	SL	SAMP	WG92542	06-JUN-11	1.304 g	5.633 g	2.722 g	MMM	07-JUN-11	32.7560	33. %		
SE3087-2	SL	SAMP	WG92542	06-JUN-11	1.294 g	5.865 g	2.35 g	MMM	07-JUN-11	23.1020	23. %		
SE3087-3	SL	SAMP	WG92542	06-JUN-11	1.294 g	6.278 g	2.471 g	MMM	07-JUN-11	23.6160	24. %		
SE3087-4	SL	SAMP	WG92542	06-JUN-11	1.294 g	5.559 g	2.5 g	MMM	07-JUN-11	28.2770	28. %		
SE3087-5	SL	SAMP	WG92542	06-JUN-11	1.294 g	5.704 g	2.573 g	MMM	07-JUN-11	29.0020	29. %		
SE3087-6	SL	SAMP	WG92542	06-JUN-11	1.293 g	5.721 g	2.626 g	MMM	07-JUN-11	30.1040	30. %		
SE3087-7	SL	SAMP	WG92542	06-JUN-11	1.307 g	5.687 g	2.876 g	MMM	07-JUN-11	35.8220	36. %		
SE3087-8	SL	SAMP	WG92542	06-JUN-11	1.307 g	5.71 g	3.192 g	MMM	07-JUN-11	42.8120	43. %		
SE3087-9	SL	SAMP	WG92542	06-JUN-11	1.305 g	6.047 g	3.527 g	MMM	07-JUN-11	46.8580	47. %		
SE3099-1	SL	SAMP	WG92542	06-JUN-11	1.306 g	5.955 g	2.721 g	MMM	07-JUN-11	30.4370	30. %		
SE3099-2	SL	SAMP	WG92542	06-JUN-11	1.301 g	6.158 g	4.798 g	MMM	07-JUN-11	71.9990	72. %		
SE3119-1	SL	SAMP	WG92542	06-JUN-11	1.304 g	5.895 g	2.006 g	MMM	07-JUN-11	15.2910	15. %		
WG92542-1	SL	MBLANK	WG92542	06-JUN-11	1.3 g	1.801 g	1.3 g	MMM	07-JUN-11	0.0000	1 %		
WG92542-2	SL	LCS	WG92542	06-JUN-11	1.302 g	6.308 g	5.802 g	MMM	07-JUN-11	89.8920	90. %	100	
WG92542-3	SL	DDP	WG92542	06-JUN-11	1.304 g	6.298 g	3.093 g	MMM	07-JUN-11	35.8230	36. %		16
WG92542-4	SL	DUP	WG92542	06-JUN-11	1.292 g	6.205 g	2.69 g	MMM	07-JUN-11	28.4550	28. %		2

Comments:

SE2818-3	sample may be highly contaminated
WG92542-1	SE3099-1
WG92542-2	SE3099-1
WG92542-3	SE3099-1
WG92542-4	SE3087-5

Entered by: MMM Date: 6-8-11 Accepted by: [signature] Date: 06/08/11

KATAHDIN ANALYTICAL SERVICES, INC. WG92542/R161503

TOTAL SOLIDS: ASTM D2216		PQL: 0.10%	BALANCE ID: 30050012
TOTAL VOLATILE SOLIDS: SM2540 G	E160.4	PQL: 0.10%	ASTM CLASS 1 WEIGHTS

ANALYST IN: MMM	ANALYST OUT: MMM
DATE IN: 6-6-11	DATE OUT: 6-7-11
TIME IN: 1536	TIME OUT: 1328
TEMP IN: 103°C	TEMP OUT: 103°C
Oven ID: 107N0047	Muffle Oven ID:
CHECKED BY:	DATE:

TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
2.0000	2.000	2.001
5.0000	5.000	5.000
10.0000	10.000	10.001
100.0000		

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
Blank	1	1.300	1.801	1.300		1545
LCS	2	1.302	6.308	5.802		46
SE3099-1	3	1.306	5.9585	2.721		47
-1 Dup	4	1.304	6.298	3.093		48
-2	5	1.304	6.14758	4.798		49
SE2818-1	6	1.301	5.680	5.237		50
-2	7	1.305	5.552	5.245		51
-3	8	1.302	5.619	5.107		52
-4	9	1.303	5.699	5.213		53
-5	10	1.301	5.701	5.218		54
SE3087-1	11	1.296	6.018	2.510		55
-2	12	1.294	5.865	2.350		56
-3	13	1.294	6.278	2.471		57
-4	14	1.294	5.559	2.500		58
-5	15	1.294	5.704	2.573		59
-5 Dup	16	1.292	6.205	2.690		1600
-6	17	1.293	5.721	2.626		01
-7	18	1.307	5.687	2.876		02
-8	19	1.307	5.710	3.192		03
-9	20	1.305	6.047	3.527		04
-10	21	1.304	5.972	2.628		05
-11	22	1.304	6.329	3.492		06
-12	23	1.304	5.633	2.722		07
SE3119-1	24	1.304	5.895	2.006		08

Katahdin Analytical Services 5000040

WET CHEMISTRY BATCH REPORT
May 25 2011, 09:18 am
Batch: WG91941

Parameter: pH(Soil)

Date Analyzed: 23-MAY-11

Analyst Initials: GFB

Prep Date: 23-MAY-11

Prep Method: SW846 9045C

Prep Chemist: GFB

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SE2667-1	SAMP	SW846 9045C	19.996g	20mL	1	9.84	9.8 pH	48.	.1	0.10	0.10		
SE2818-10	SAMP	SW846 9045C	20.038g	20mL	1	7.76	7.8 pH	NA	.1	0.10	0.10		
SE2818-12	SAMP	SW846 9045C	20.016g	20mL	1	7.71	7.7 pH	NA	.1	0.10	0.10		
SE2818-6	SAMP	SW846 9045C	20.299g	20mL	1	7.82	7.8 pH	NA	.1	0.10	0.10		
SE2818-8	SAMP	SW846 9045C	20.034g	20mL	1	7.8	7.8 pH	NA	.1	0.10	0.10		
WG91941-1	LCS	SW846 9045C	20g	20mL	1	7.01	7.0 pH	NA	.1	0.10	0.10		100
WG91941-2	DUP	SW846 9045C	19.969g	20mL	1	7.76	7.8 pH	NA	.1	0.10	0.10	1	

Comments:

SE2818-10	sample may be highly contaminated
SE2818-12	sample may be highly contaminated
SE2818-6	sample may be highly contaminated
SE2818-8	sample may be highly contaminated
WG91941-1	SE2818-6
WG91941-2	SE2818-6

Entered by: ARE Date: 5.25.11 Accepted by: [signature] Date: 05/25/11

WG91941 / R160148

KATAHDIN ANALYTICAL SERVICES, INC.

CORROSIVITY pH / pH Soil

Accumet 20 pH Meter - SN - C0024321 pH Probe SN - 8127140 P

SW 846 9045D ✓ CLP SOW ____

CALIBRATION STDS:	CALIBRATED TO:	LOT NO:	
pH 7.00	7.00	SWL3016	
pH 4.00	4.00	SWL2950	
pH 5.00			
pH 10.00	10.06	SWL2933	
pH 8.00			
pH 12.00			

LAB SAMPLE ID	ANALYSIS TIME	SAMPLE VOL (mL)	SAMPLE WEIGHT(g)	pH	REPORTED pH
LCS WG	19:15	20	20	7.01	
SE2667-1 B	19:17	20	19.996	9.84	
DUP WG			~~20~~		05/23/11
SE2818-6 D	19:19	20	20.299	7.82	
-6 Dup	19:22		19.969	7.76	
-8	:25		20.034	7.80	
-10	:27		20.038	7.76	
-12	:29		20.016	7.71	
LCS	:32		20	7.02	

05/23/11

PREP ANALYST: DATE: 05/23/11 17:14 - 19:14

ANALYST: DATE: 05/23/11

CHECKED BY: DATE: 05/25/11

TCLP VOLATILE DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG91953-LCS	WG91953-1	84*	80	83*	78	2
02	WG91953-BLANK	WG91953-2	105	102	110	102	0
03	WG91953-TCLPBLANK	WG91953-5	101	103	99	95	0
04	SITE6-IDW-2117	SE2818-6DL	102	106	100	98	0
05	SITE6-IDW-5526	SE2818-8DL	103	100	99	96	0
06	SITE6-IDW-782	SE2818-10DL	104	105	106	101	0
07	SITE6-IDW-954	SE2818-12DL	105	107	105	102	0
08							
09							
10							
11							
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28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(85-115)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(70-120)
SMC3 (TOL)	= Toluene-D8	(85-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(75-120)

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

WG91953-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: T2300B Lab Sample ID: WG91953-2

Date Analyzed: 05/24/11 Time Analyzed: 1913

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	WG91953-LCS	WG91953-1	T2298B	05/24/11	1755
02	WG91953-TCLPBLANK	WG91953-5	T2301	05/24/11	1946
03	SITE6-IDW-2117	SE2818-6DL	T2307	05/24/11	2302
04	SITE6-IDW-5526	SE2818-8DL	T2308	05/24/11	2335
05	SITE6-IDW-782	SE2818-10DL	T2309	05/25/11	0007
06	SITE6-IDW-954	SE2818-12DL	T2310	05/25/11	0040
07					
08					
09					
10					
11					
12					
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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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: TB266 BFB Injection Date: 05/24/11

Instrument ID: GCMS-T BFB Injection Time: 1245

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	20.3
75	30.0 - 60.0% of mass 95	36.6
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	87.0
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	95.0 - 101.0% of mass 174	84.2 (96.9)1
177	5.0 - 9.0% of mass 176	5.3 (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		VSTD050T24C	T2292	05/24/11	1306
02		VSTD200T24A	T2293	05/24/11	1400
03		VSTD100T24A	T2294	05/24/11	1432
04		VSTD020T24A	T2295	05/24/11	1504
05		VSTD005T24A	T2296	05/24/11	1537
06		VSTD001T24A	T2297	05/24/11	1610
07		IND CHECK	T2298A	05/24/11	1755
08	WG91953-LCS	WG91953-1	T2298B	05/24/11	1755
09	WG91953-BLANK	WG91953-2	T2300B	05/24/11	1913
10	WG91953-TCLPBLANK	WG91953-5	T2301	05/24/11	1946
11	SITE6-IDW-2117	SE2818-6DL	T2307	05/24/11	2302
12	SITE6-IDW-5526	SE2818-8DL	T2308	05/24/11	2335
13	SITE6-IDW-782	SE2818-10DL	T2309	05/25/11	0007
14	SITE6-IDW-954	SE2818-12DL	T2310	05/25/11	0040
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2295 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1504

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		365650	9.89	556638	10.55	435651	14.10
UPPER LIMIT		731300	10.39	1113276	11.05	871302	14.60
LOWER LIMIT		182825	9.39	278319	10.05	217826	13.60
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91953-LCS	WG91953-1	417431	9.88	628934	10.55	485875	14.09
02 WG91953-BLANK	WG91953-2	349701	9.87	508528	10.54	429238	14.09
03 WG91953-TCLPBLANK	WG91953-5	338920	9.87	517048	10.53	421763	14.09
04 SITE6-IDW-2117	SE2818-6DL	363961	9.87	556672	10.54	438604	14.09
05 SITE6-IDW-5526	SE2818-8DL	361667	9.87	549162	10.53	440967	14.09
06 SITE6-IDW-782	SE2818-10DL	343496	9.86	516159	10.53	429804	14.08
07 SITE6-IDW-954	SE2818-12DL	346412	9.86	517849	10.53	428921	14.08
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: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): T2295 Date Analyzed: 05/24/11

Instrument ID: GCMS-T Time Analyzed: 1504

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		237135	17.27				
UPPER LIMIT		474270	17.77				
LOWER LIMIT		118568	16.77				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG91953-LCS	WG91953-1	272425	17.27				
02 WG91953-BLANK	WG91953-2	220386	17.26				
03 WG91953-TCLPBLANK	WG91953-5	232200	17.26				
04 SITE6-IDW-2117	SE2818-6DL	243956	17.26				
05 SITE6-IDW-5526	SE2818-8DL	236315	17.26				
06 SITE6-IDW-782	SE2818-10DL	226834	17.25				
07 SITE6-IDW-954	SE2818-12DL	229789	17.26				
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

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6DL
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		2300	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		106.	%					
Toluene-D8		100.	%					
p-Bromofluorobenzene		98.5	%					
Dibromofluoromethane		102.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2307.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2307.D
Lab Smp Id: SE2818-6DL Client Smp ID: SITE6-IDW-2117
Inj Date : 24-MAY-2011 23:02 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-6DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 16
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.sub
Target Version: 4.12
Processing Host: D2400TARGET-1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	20.000	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
67 Chlorobenzene	112	14.109	14.121	(1.002)	1492804	116.019	2320	
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.927)	259356	51.2937	51.3	
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	235942	53.0972	53.1	
$ 55 Toluene-D8	98	12.132	12.145	(1.151)	721705	50.1633	50.2	
$ 77 P-Bromofluorobenzene	95	15.689	15.713	(1.489)	292724	49.2641	49.3	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	363961	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	556672	50.0000		
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	438604	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	243956	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2307.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2307.D
Lab Smp Id: SE2818-6DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-2117
Level: LOW
Sample Type: WATER

Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

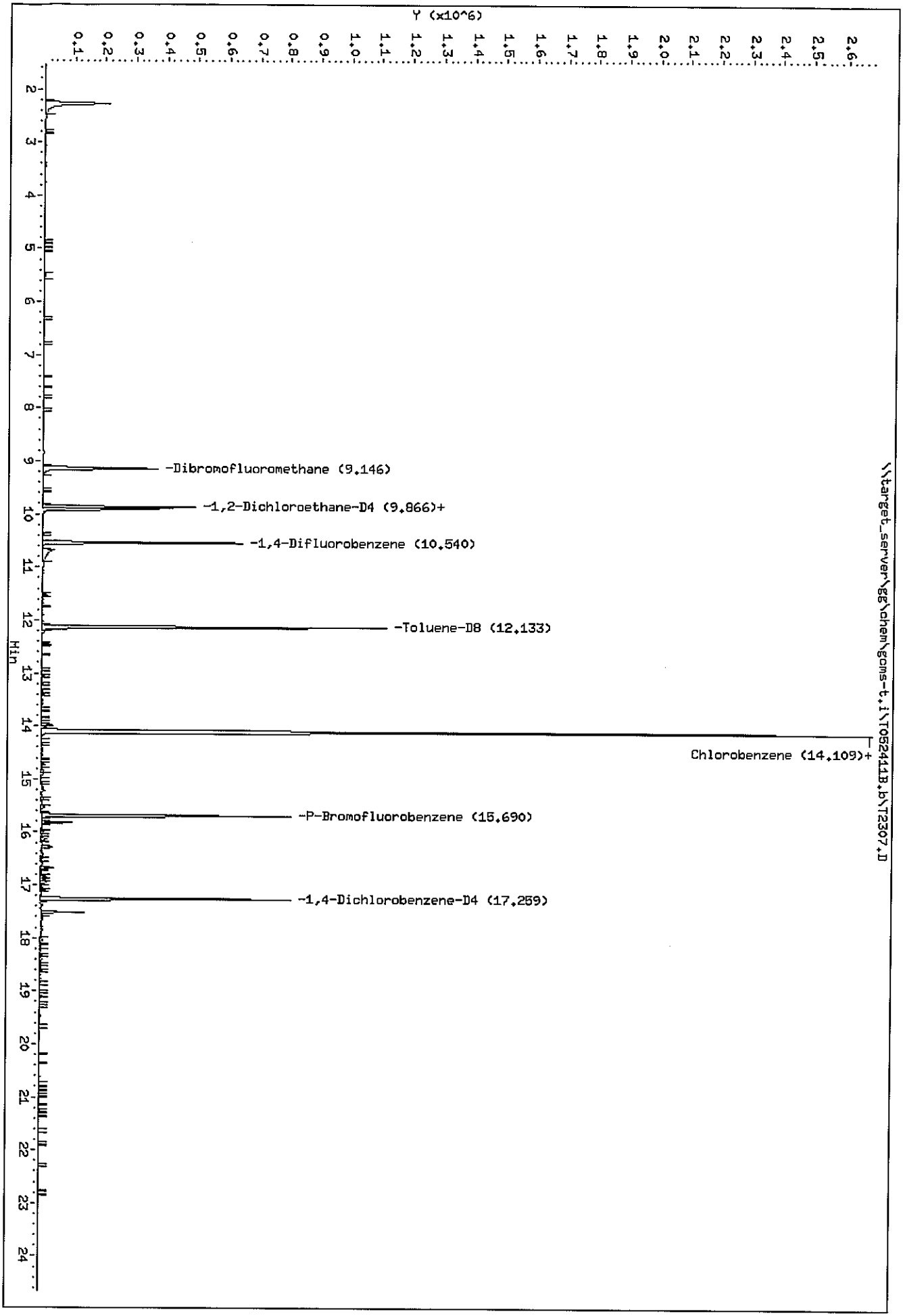
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	363961	-11.12
49 1,4-Difluorobenze	637773	318887	1275546	556672	-12.72
66 Chlorobenzene-D5	477924	238962	955848	438604	-8.23
92 1,4-Dichlorobenze	274556	137278	549112	243956	-11.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

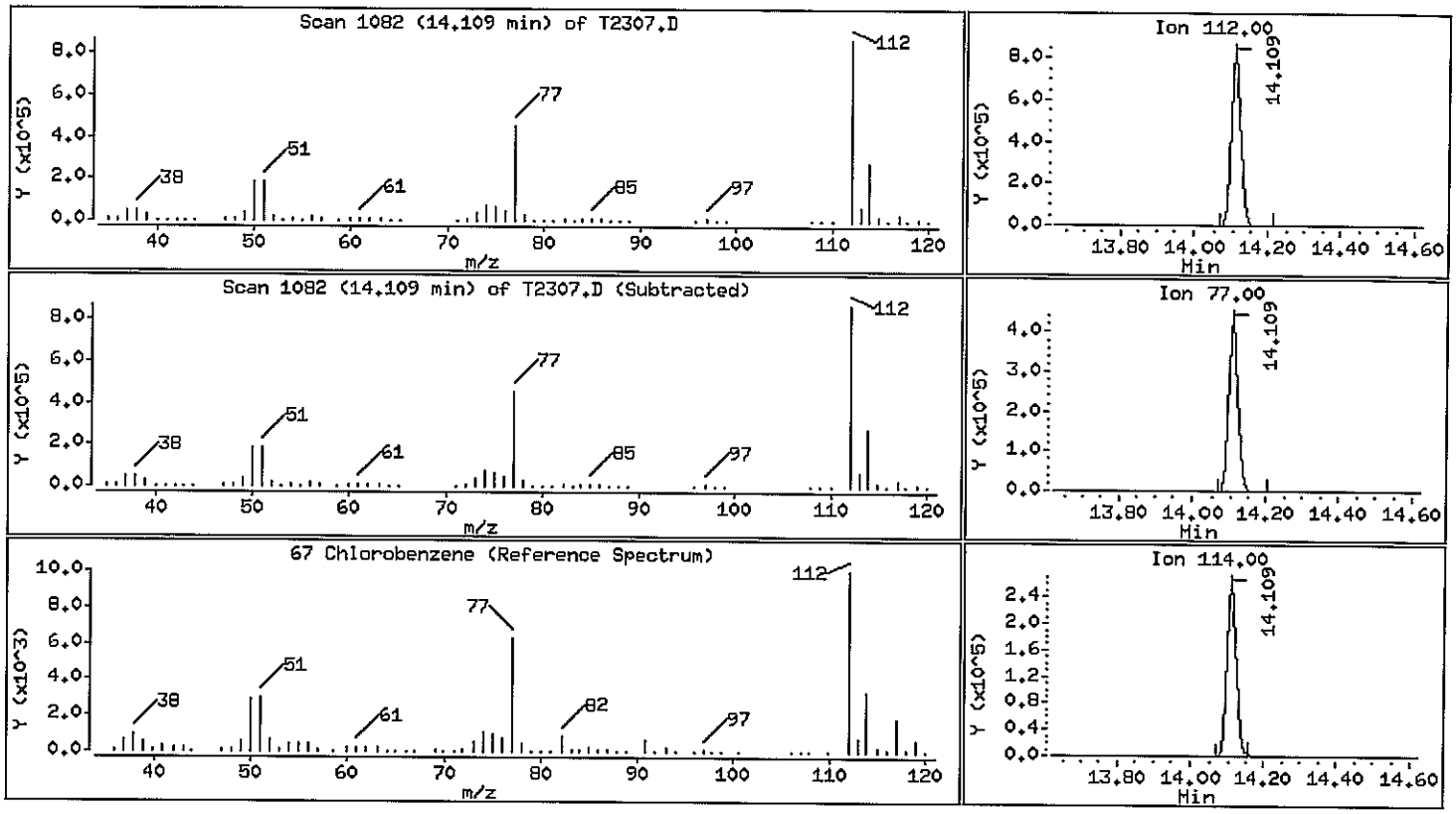
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2307.D
Date : 24-MAY-2011 23:02
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6DL

Instrument: gcms-t.i



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2307.D
Date : 24-MAY-2011 23:02
Client ID: SITE6-IDW-2117 Instrument: gcms-t.i
Sample Info: SE2818-6DL

67 Chlorobenzene Concentration: 2320 ug/l



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8DL
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		1700	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		99.6	%					
Toluene-D8		99.1	%					
p-Bromofluorobenzene		96.6	%					
Dibromofluoromethane		103.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2308.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2308.D
Lab Smp Id: SE2818-8DL Client Smp ID: SITE6-IDW-5526
Inj Date : 24-MAY-2011 23:35 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-8DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 17
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.sub
Target Version: 4.12
Processing Host: D2400TARGET-1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	20.000	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
67 Chlorobenzene	112	14.109	14.121	(1.002)	1098460	84.9134	1700	
$ 37 Dibromofluoromethane	113	9.134	9.169	(0.926)	257935	51.3362	51.3	
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	219959	49.8143	49.8	
$ 55 Toluene-D8	98	12.133	12.145	(1.152)	703477	49.5651	49.6	
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.490)	283090	48.2943	48.3	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	361667	50.0000		
* 49 1,4-Difluorobenzene	114	10.529	10.552	(1.000)	549162	50.0000		
* 66 Chlorobenzene-D5	117	14.086	14.098	(1.000)	440967	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	236315	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2308.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2308.D
Lab Smp Id: SE2818-8DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-5526
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

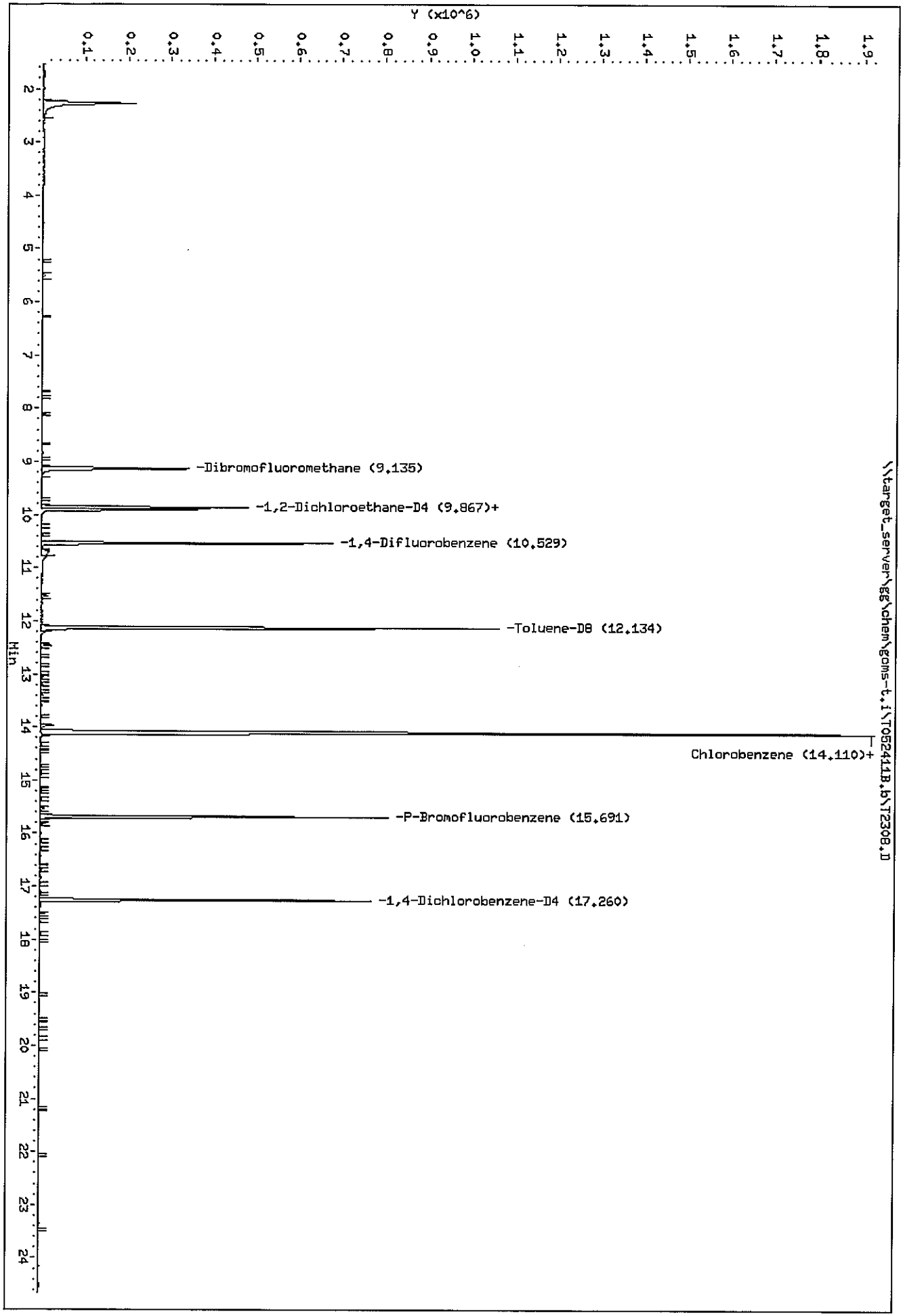
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	361667	-11.68
49 1,4-Difluorobenze	637773	318887	1275546	549162	-13.89
66 Chlorobenzene-D5	477924	238962	955848	440967	-7.73
92 1,4-Dichlorobenze	274556	137278	549112	236315	-13.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.23
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.22
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\gcms-t.i\T052411B.b\T2308.D
Date : 24-MAY-2011 23:35
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8DL

Instrument: gcms-t.i



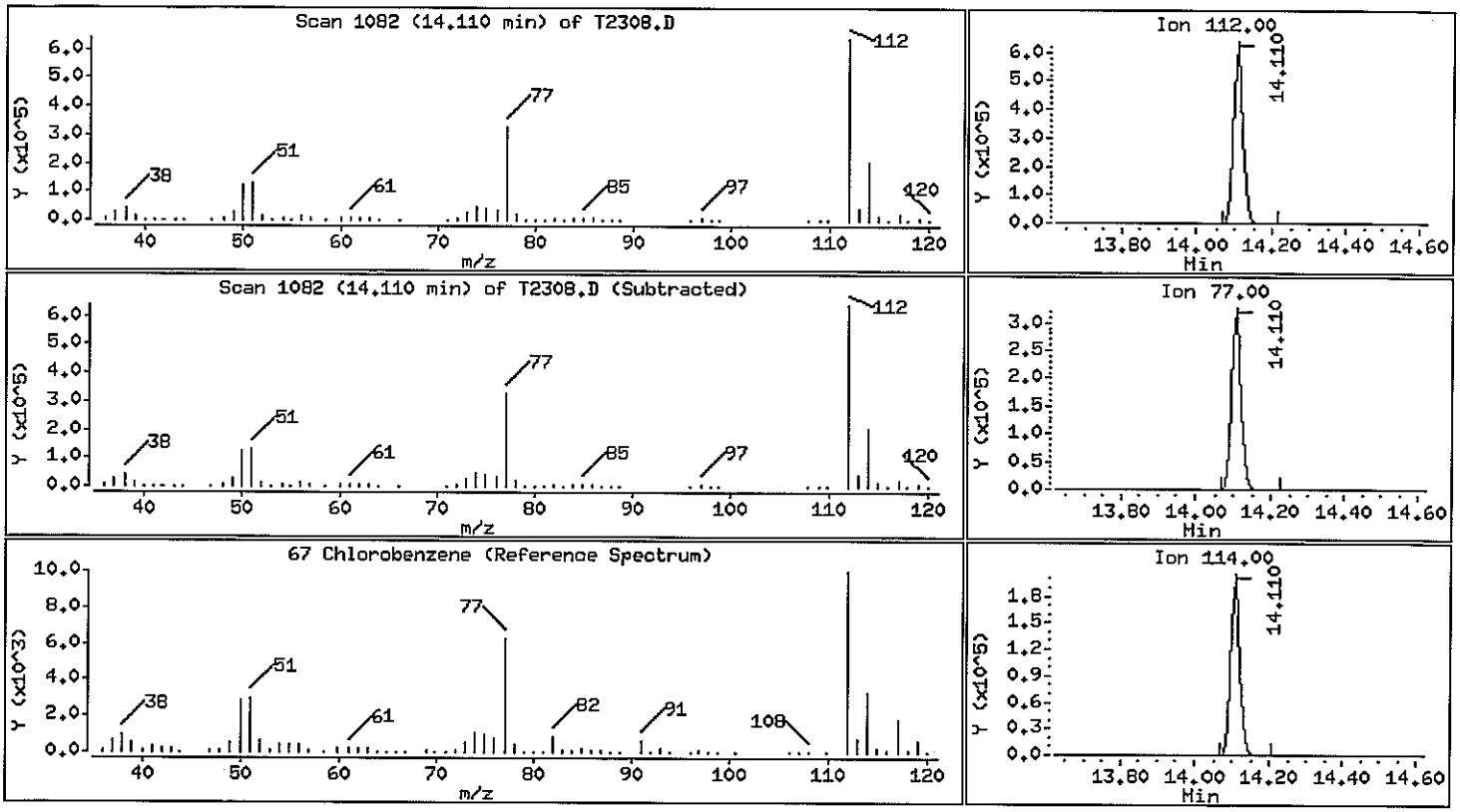
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2308.D

Date : 24-MAY-2011 23:35

Client ID: SITE6-IDW-5526 Instrument: gcms-t.i

Sample Info: SE2818-8DL

67 Chlorobenzene Concentration: 1700 ug/l



Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10DL
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		710	ug/L	20	5	100	4.4	10.
Chloroform	J	9.5	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		105.	%					
Toluene-D8		106.	%					
p-Bromofluorobenzene		101.	%					
Dibromofluoromethane		104.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2309.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2309.D
Lab Smp Id: SE2818-10DL Client Smp ID: SITE6-IDW-782
Inj Date : 25-MAY-2011 00:07 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-10DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 18
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.sub
Target Version: 4.12
Processing Host: D2400TARGET-1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	20.000	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
67 Chlorobenzene	112	14.102	14.121	(1.002)	450048	35.6933	714	
34 Chloroform	83	8.836	8.878	(0.896)	4042	0.47378	9.5(a)	
$ 37 Dibromofluoromethane	113	9.139	9.169	(0.927)	248189	52.0095	52.0	
$ 45 1,2-Dichloroethane-D4	65	9.894	9.925	(1.004)	221046	52.7087	52.7	
$ 55 Toluene-D8	98	12.126	12.145	(1.151)	708695	53.1254	53.1	
$ 77 P-Bromofluorobenzene	95	15.695	15.713	(1.490)	277363	50.3427	50.3	
* 42 Pentafluorobenzene	168	9.859	9.890	(1.000)	343496	50.0000		
* 49 1,4-Difluorobenzene	114	10.534	10.552	(1.000)	516159	50.0000		
* 66 Chlorobenzene-D5	117	14.079	14.098	(1.000)	429804	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.252	17.283	(1.000)	226834	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\T052411B.b\T2309.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2309.D
Lab Smp Id: SE2818-10DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

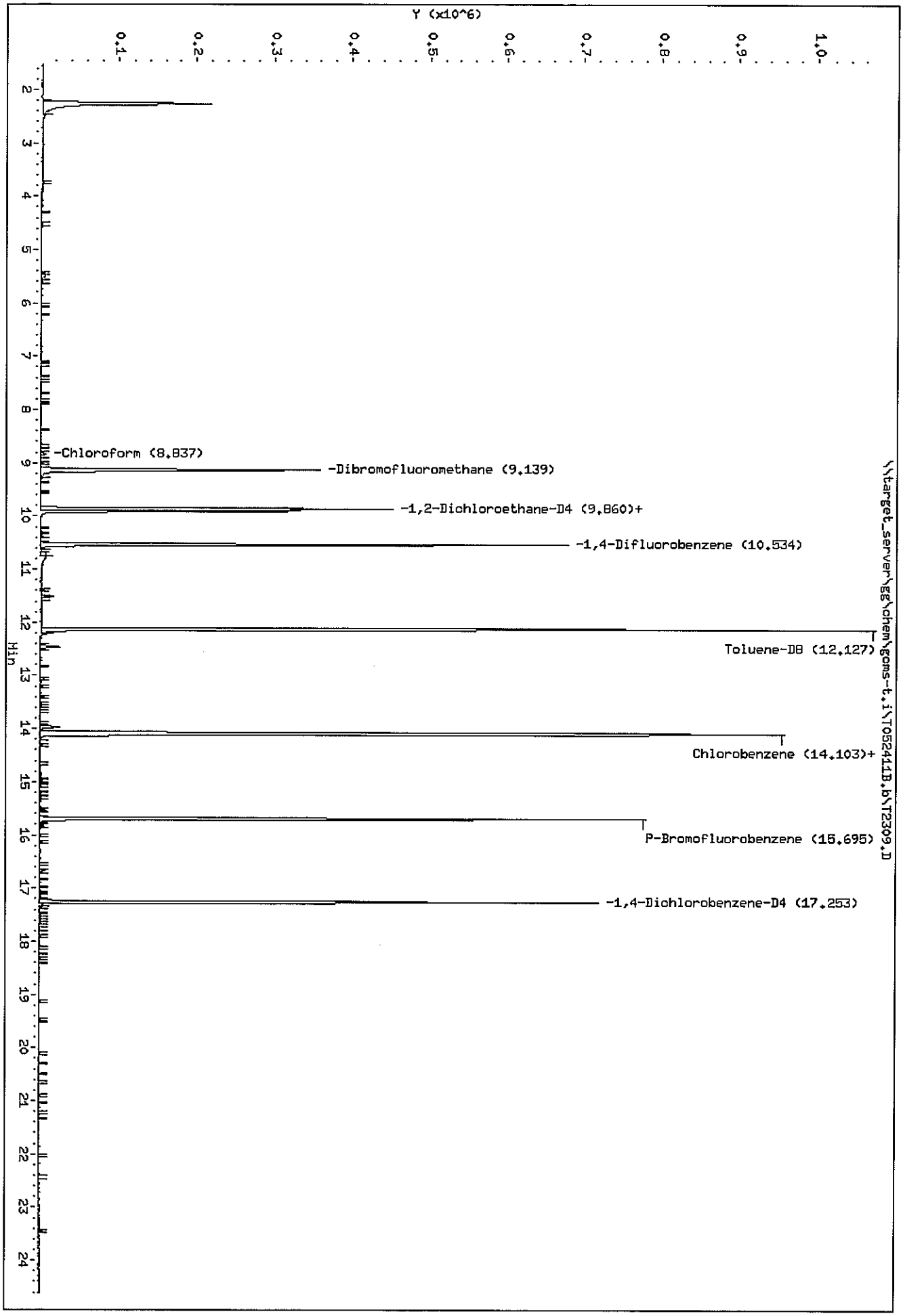
Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-782
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	343496	-16.12
49 1,4-Difluorobenze	637773	318887	1275546	516159	-19.07
66 Chlorobenzene-D5	477924	238962	955848	429804	-10.07
92 1,4-Dichlorobenze	274556	137278	549112	226834	-17.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.86	-0.30
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.17
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.13
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.25	-0.17

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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-t.i\T052411B.b\T2309.D
Date : 25-MAY-2011 00:07
Client ID: SITE6-IDW-782
Sample Info: SE2818-10ML
Instrument: gcms-t.i
\\target_server\gg\chem\gcms-t.i\T052411B.b\T2309.D
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
-Chloroform (8.837)
-Dibromofluoromethane (9.139)
-1,2-Dichloroethane-D4 (9.860)+
-1,4-Difluorobenzene (10.534)
Toluene-D8 (12.127)
Chlorobenzene (14.103)+
P-Bromofluorobenzene (15.695)
-1,4-Dichlorobenzene-D4 (17.253)

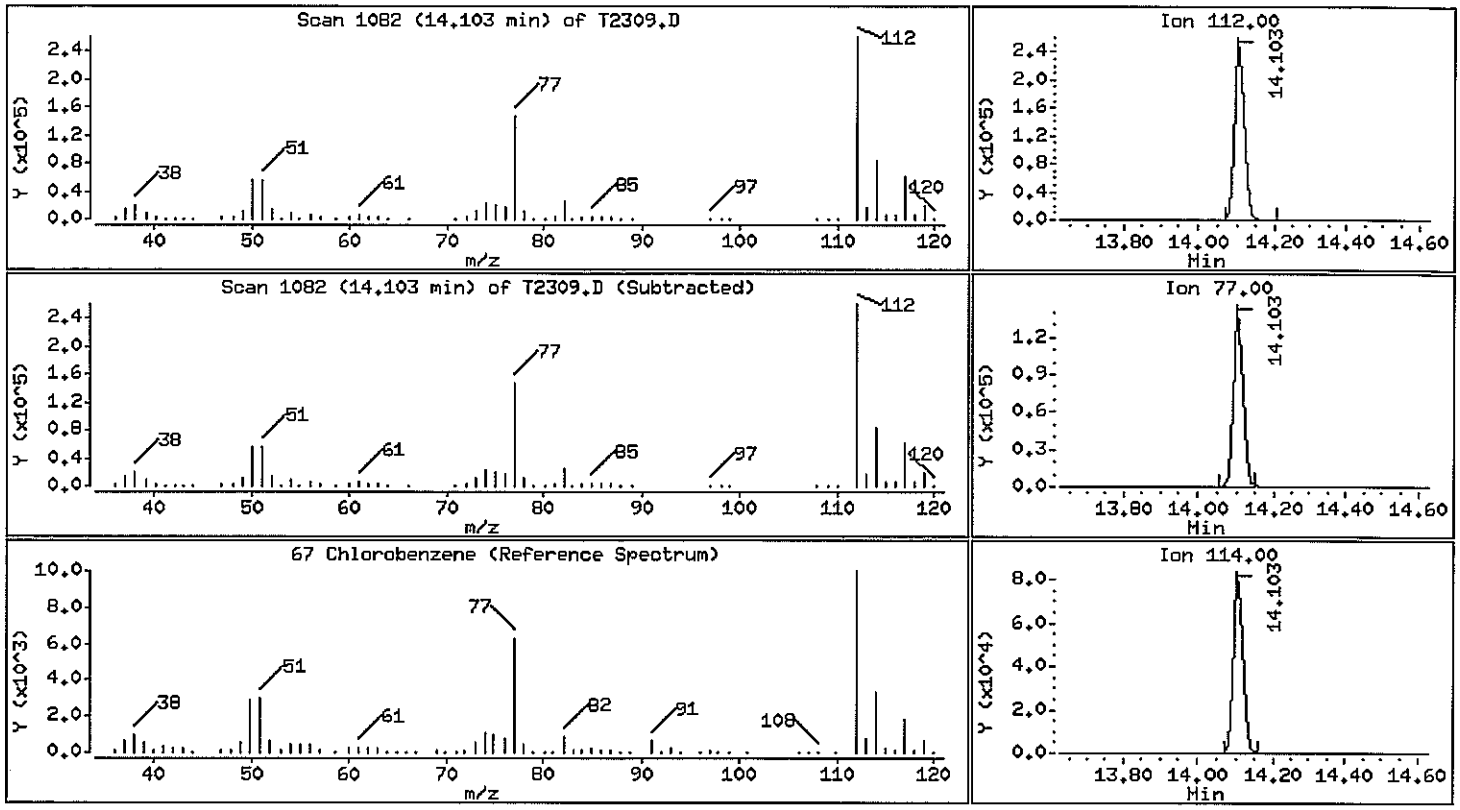
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2309.D

Date : 25-MAY-2011 00:07

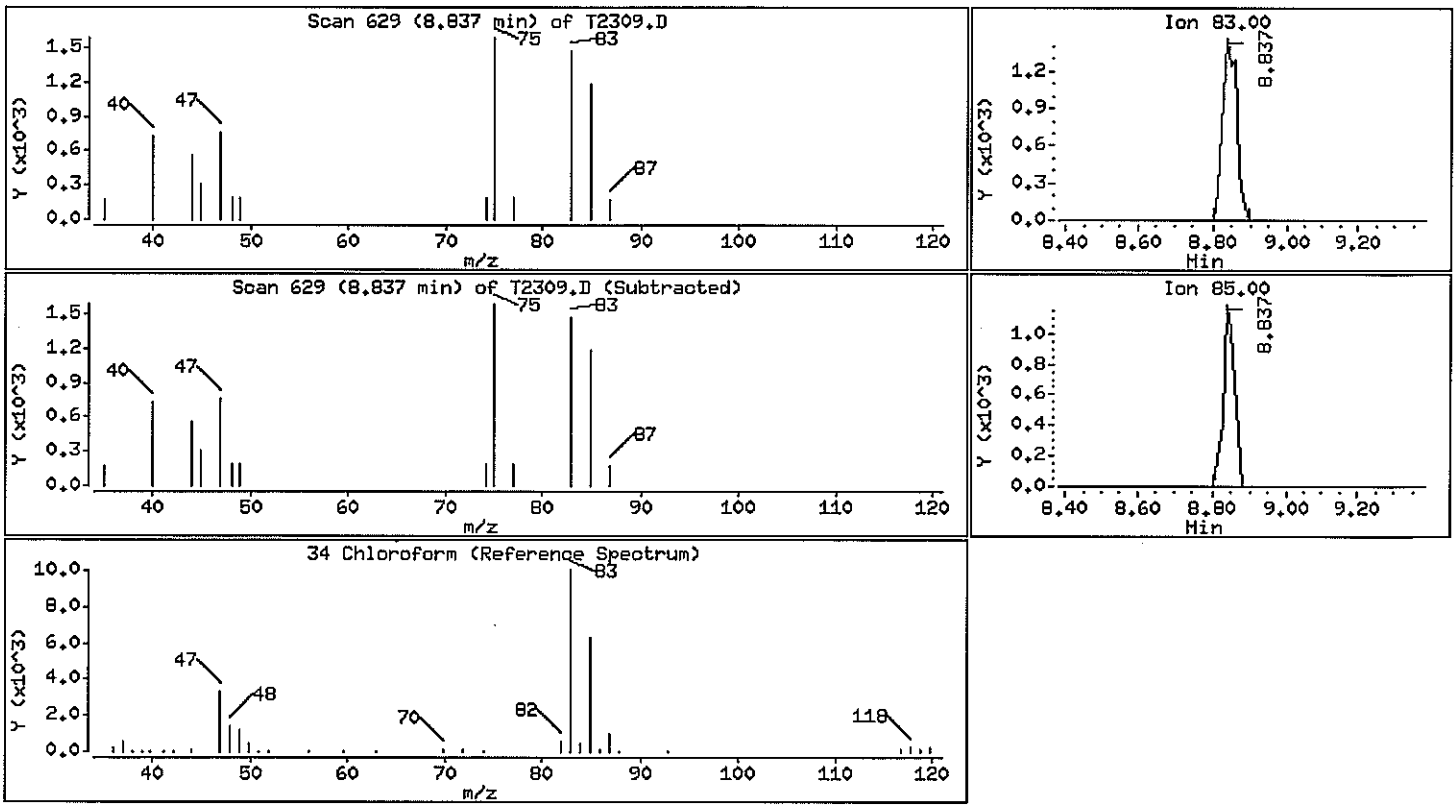
Client ID: SITE6-IDW-782 Instrument: gcms-t.i

Sample Info: SE2818-10DL

67 Chlorobenzene Concentration: 714 ug/l



34 Chloroform Concentration: 9.5 ug/l



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12DL
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 25-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 25-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	10.	ug/L	20	5	100	5.2	10.
Carbon Tetrachloride	U	10.	ug/L	20	5	100	4.4	10.
Chlorobenzene		980	ug/L	20	5	100	4.4	10.
Chloroform	U	10.	ug/L	20	5	100	6.4	10.
1,2-Dichloroethane	U	10.	ug/L	20	5	100	4.0	10.
1,1-Dichloroethene	U	10.	ug/L	20	5	100	7.0	10.
2-Butanone	U	50.	ug/L	20	15	300	26.	50.
Tetrachloroethene	U	10.	ug/L	20	5	100	8.0	10.
Trichloroethene	U	10.	ug/L	20	5	100	5.6	10.
Vinyl Chloride	U	20.	ug/L	20	5	100	5.0	20.
1,2-Dichloroethane-D4		107.	%					
Toluene-D8		105.	%					
p-Bromofluorobenzene		102.	%					
Dibromofluoromethane		105.	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2310.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2310.D
Lab Smp Id: SE2818-12DL Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 00:40 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : SE2818-12DL
Misc Info : WG91953,T2292
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 19
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.sub
Target Version: 4.12
Processing Host: D2400TARGET-1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	20.000	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
67 Chlorobenzene	112	14.107	14.121	(1.002)	615027	48.8782	978	
$ 37 Dibromofluoromethane	113	9.132	9.169	(0.926)	253819	52.7416	52.7	
$ 45 1,2-Dichloroethane-D4	65	9.899	9.925	(1.004)	225564	53.3333	53.3	
$ 55 Toluene-D8	98	12.131	12.145	(1.152)	701504	52.4147	52.4	
$ 77 P-Bromofluorobenzene	95	15.688	15.713	(1.490)	280551	50.7552	50.8	
* 42 Pentafluorobenzene	168	9.864	9.890	(1.000)	346412	50.0000		
* 49 1,4-Difluorobenzene	114	10.526	10.552	(1.000)	517849	50.0000		
* 66 Chlorobenzene-D5	117	14.083	14.098	(1.000)	428921	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.257	17.283	(1.000)	229789	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2310.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2310.D
Lab Smp Id: SE2818-12DL
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: SITE6-IDW-954
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

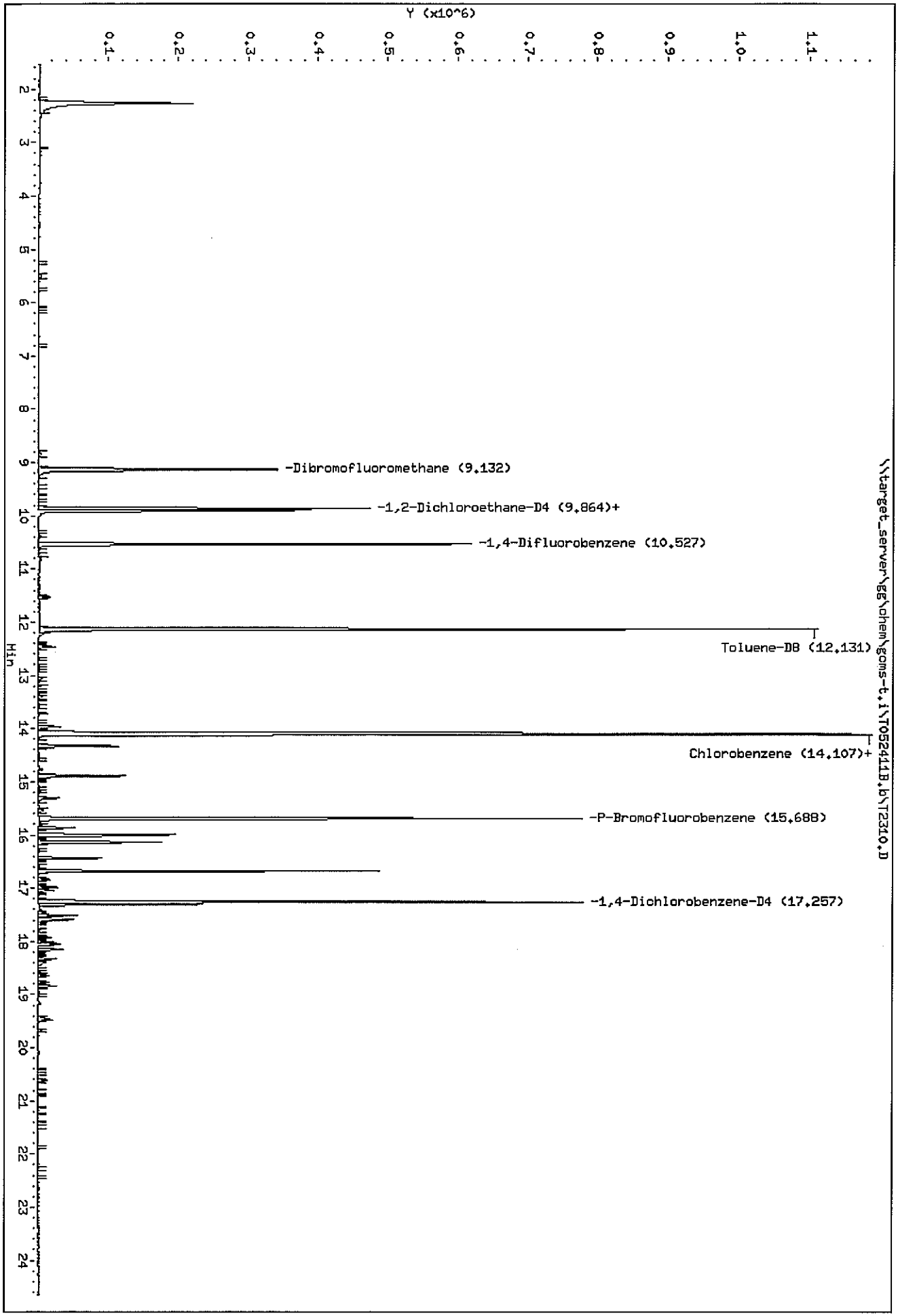
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	346412	-15.41
49 1,4-Difluorobenze	637773	318887	1275546	517849	-18.80
66 Chlorobenzene-D5	477924	238962	955848	428921	-10.25
92 1,4-Dichlorobenze	274556	137278	549112	229789	-16.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.86	-0.26
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.24
66 Chlorobenzene-D5	14.10	13.60	14.60	14.08	-0.10
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\gcms-t.i\T052411B.b\T2310.D
Date : 25-MAY-2011 00:40
Client ID: SITE6-IDW-954
Sample Info: SE2818-12DL

Instrument: gcms-t.i



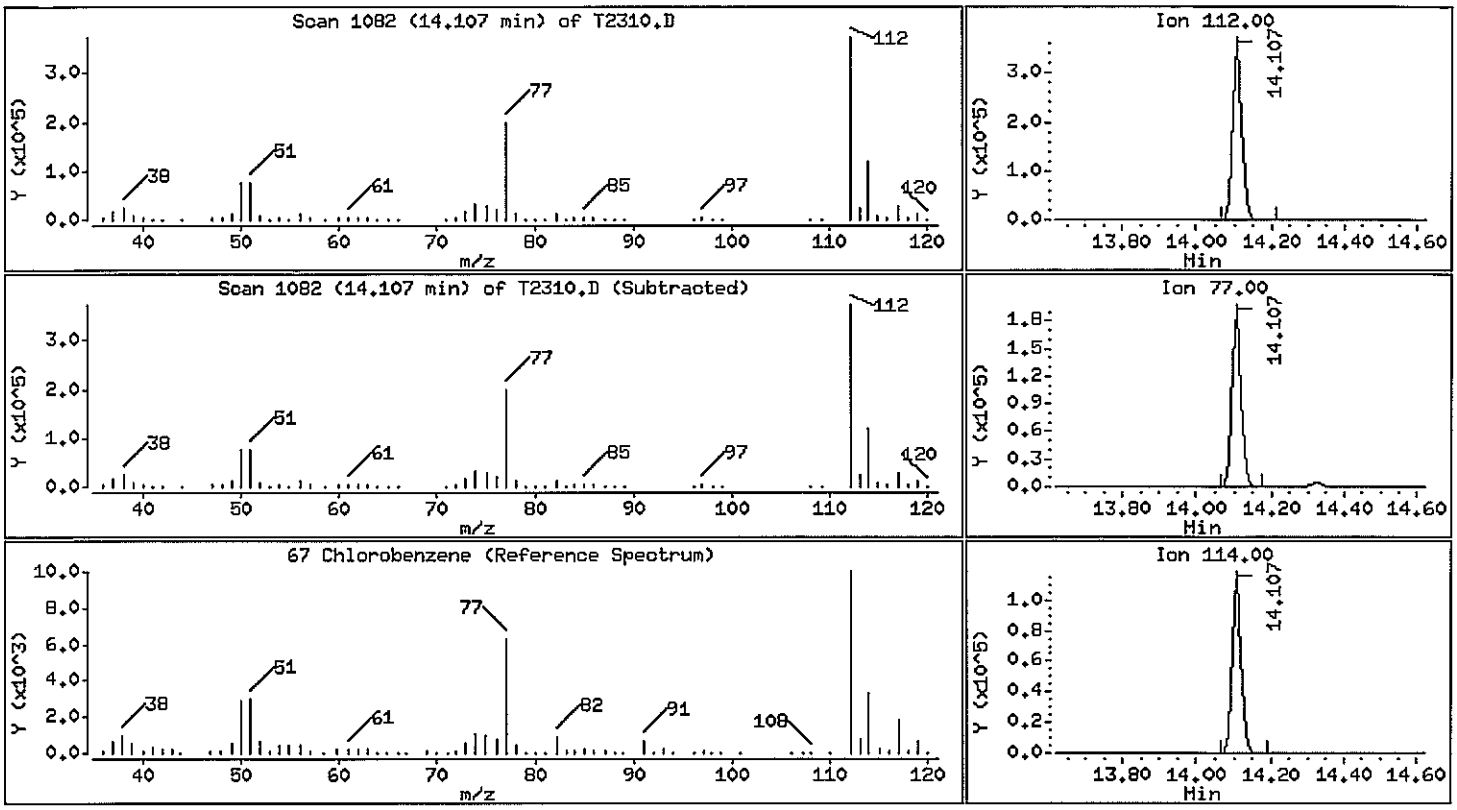
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2310.D

Date : 25-MAY-2011 00:40

Client ID: SITE6-IDW-954 Instrument: gcms-t.i

Sample Info: SE2818-12DL

67 Chlorobenzene Concentration: 978 ug/l



Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-T Calibration Date(s): 05/24/11 05/24/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1306 1610

LAB FILE ID: RF1: T2297 RF5: T2296 RF20: T2295
RF50: T2292 RF100: T2294 RF200: T2293

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Benzene	1.334	1.919	1.735	1.608	1.480	1.364	AVRG		1.57330956	14.397	15.000	
Carbon Tetrachloride	2663	28207	131240	354740	628090	1372600	LINR	8.951e-003	1.77280433	0.99982	0.99000	
Chlorobenzene	1.375	1.574	1.539	1.448	1.430	1.435	AVRG		1.46680368	5.096	15.000	
Chloroform	0.975	1.408	1.360	1.284	1.220	1.204	AVRG		1.24184738	12.291	15.000	
1,2-Dichloroethane	0.540	0.670	0.594	0.566	0.572	0.574	AVRG		0.58614875	7.590	15.000	
1,1-Dichloroethene	0.594	0.829	0.794	0.718	0.701	0.688	AVRG		0.72070614	11.553	15.000	
2-Butanone	0.163	0.244	0.225	0.246	0.213	0.200	AVRG		0.21507508	14.398	15.000	
Tetrachloroethene	0.457	0.593	0.632	0.550	0.538	0.528	AVRG		0.54953771	10.856	15.000	
Trichloroethene	0.420	0.544	0.508	0.448	0.420	0.370	AVRG		0.45168039	14.124	15.000	
Vinyl chloride	0.635	0.975	0.811	0.938	0.692	0.888	AVRG		0.82327207	16.563	15.000	<-
Dibromofluoromethane	0.579	0.757	0.748	0.752	0.678	0.654	AVRG		0.69462076	10.239	15.000	
1,2-Dichloroethane-D4	0.540	0.669	0.615	0.644	0.613	0.581	AVRG		0.61044768	7.474	15.000	
Toluene-D8	1.183	1.553	1.377	1.335	1.214	1.092	AVRG		1.29224190	12.731	15.000	
P-Bromofluorobenzene	0.601	0.628	0.532	0.528	0.478	0.435	AVRG		0.53370124	13.562	15.000	

FORM VI VOA

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2292.D
Lab Smp Id: VSTD050T24C
Inj Date : 24-MAY-2011 13:06 MS Autotune Date: 29-SEP-2009 13:45
Operator : JSS Inst ID: gcms-t.i
Smp Info : VSTD050T24C
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 13:06 Cal File: T2292.D
Als bottle: 1 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	2.496	2.497	(0.252)	373226	50.0000	(a)	
2 Chloromethane	50	2.787	2.787	(0.282)	449250	50.0000	(a)	
3 Vinyl chloride	62	2.880	2.880	(0.291)	384125	50.0000	(a)	
4 Bromomethane	94	3.333	3.334	(0.337)	154727	50.0000	(a)	
5 Chloroethane	64	3.519	3.520	(0.356)	142365	50.0000	(a)	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	507840	50.0000	(a)	
7 Diethyl Ether	59	4.205	4.205	(0.425)	213617	50.0000	(aH)	
8 Tertiary-butyl alcohol	59	6.297	6.298	(0.637)	75105	250.000	(aH)	
9 1,1-Dichloroethene	96	4.519	4.519	(0.457)	294238	50.0000	(a)	
10 Carbon Disulfide	76	4.554	4.554	(0.460)	807609	50.0000	(a)	
11 Freon-113	151	4.589	4.589	(0.464)	275447	50.0000	(a)	
12 Iodomethane	142	4.751	4.752	(0.480)	434278	50.0000	(a)	
13 Acrolein	56	5.077	5.077	(0.513)	193994	250.000	(a)	
14 Methylene Chloride	84	5.530	5.531	(0.559)	325989	50.0000	(a)	
15 Acetone	43	5.623	5.624	(0.569)	438821	250.000	(aH)	
16 Isobutyl Alcohol	43	10.087	10.087	(1.020)	126067	1000.00	(aH)	
17 trans-1,2-Dichloroethene	96	5.844	5.844	(0.591)	342272	50.0000	(a)	
18 Allyl Chloride	41	5.332	5.333	(0.539)	440946	50.0000	(a)	
19 Methyl tert-butyl ether	73	6.088	6.089	(0.616)	792734	100.000	(a)	
20 Acetonitrile	39	6.576	6.577	(0.665)	54228	500.000	(aH)	
21 Di-isopropyl ether	45	6.960	6.960	(0.704)	1032856	50.0000	(aH)	
22 Chloroprene	53	7.134	7.135	(0.721)	455863	50.0000	(aH)	
23 Propionitrile	54	9.773	9.773	(0.988)	237319	500.000	(a)	
24 Methacrylonitrile	41	9.808	9.808	(0.992)	1167877	500.000	(aH)	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 31-May-2011 09:29

	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	7.181	7.181	(0.726)	515230	50.0000	(a)	
	26 Acrylonitrile	52	7.285	7.286	(0.737)	326217	250.000	(a)	
	27 Ethyl tertiary-butyl ether	59	7.797	7.797	(0.788)	622925	50.0000	(aH)	
	28 Vinyl Acetate	43	7.808	7.809	(0.740)	577028	50.0000	(a)	
	29 cis-1,2-Dichloroethene	96	8.355	8.355	(0.845)	346578	50.0000	(a)	
M	30 1,2-Dichloroethylene (total)	96				688850	50.0000	(a)	
	31 Methyl Methacrylate	41	11.365	11.366	(1.077)	188081	50.0000	(a)	
	32 2,2-Dichloropropane	77	8.564	8.564	(0.866)	272383	50.0000	(a)	
	33 Bromochloromethane	128	8.715	8.715	(0.881)	166283	50.0000	(a)	
	34 Chloroform	83	8.878	8.878	(0.898)	525983	50.0000	(aH)	
	35 Carbon Tetrachloride	117	9.075	9.076	(0.860)	354744	50.0000	(aH)	
	36 Tetrahydrofuran	42	9.110	9.111	(0.921)	287944	250.000	(aH)	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	307957	50.0000	(a)	
	38 1,1,1-Trichloroethane	97	9.192	9.192	(0.929)	463322	50.0000	(a)	
	39 1,1-Dichloropropene	75	9.389	9.390	(0.890)	400856	50.0000	(aH)	
	40 2-Butanone	43	9.366	9.367	(0.947)	503438	250.000	(a)	
	41 Benzene	78	9.738	9.739	(0.923)	1025289	50.0000	(a)	
*	42 Pentafluorobenzene	168	9.889	9.890	(1.000)	409515	50.0000		
	43 Cyclohexane	56	8.727	8.727	(0.882)	434968	50.0000	(a)	
	44 Ethyl Methacrylate	69	12.923	12.924	(1.225)	240957	50.0000	(a)	
$	45 1,2-Dichloroethane-D4	65	9.924	9.925	(1.004)	263937	50.0000	(aH)	
	46 Tertiary-amyl methyl ether	73	9.936	9.936	(1.005)	512075	50.0000	(aMH)	
	47 1,2-Dichloroethane	62	10.017	10.018	(0.949)	360835	50.0000	(a)	
	48 Trichloroethene	95	10.505	10.506	(0.996)	285752	50.0000	(aH)	
*	49 1,4-Difluorobenzene	114	10.552	10.552	(1.000)	637773	50.0000		
	50 Dibromomethane	93	10.982	10.982	(1.041)	180402	50.0000	(aH)	
	51 1,2-Dichloropropane	63	11.098	11.099	(1.052)	252525	50.0000	(a)	
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	393487	50.0000	(a)	
	53 cis-1,3-dichloropropene	75	11.912	11.912	(1.129)	428711	50.0000	(a)	
	54 1,4-Dioxane	88	11.412	11.412	(1.082)	38718	1000.00	(a)	
$	55 Toluene-D8	98	12.144	12.145	(1.151)	851533	50.0000	(a)	
	56 2-Chloroethylvinylether	63	11.842	11.843	(1.122)	40941	50.0000	(aH)	
	57 Toluene	92	12.214	12.214	(1.158)	648755	50.0000	(a)	
	58 4-methyl-2-pentanone	43	12.679	12.679	(1.202)	841194	250.000	(a)	
	59 Tetrachloroethene	164	12.691	12.691	(0.894)	262721	50.0000	(a)	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	327831	50.0000	(a)	
	61 1,1,2-Trichloroethane	83	12.923	12.924	(1.225)	166704	50.0000	(a)	
	62 Dibromochloromethane	129	13.144	13.144	(0.926)	299138	50.0000	(a)	
	63 1,3-Dichloropropane	76	13.260	13.261	(0.934)	372731	50.0000	(a)	
	64 1,2-Dibromoethane	107	13.446	13.447	(1.274)	240200	50.0000	(a)	
	65 2-Hexanone	43	13.725	13.726	(0.966)	628746	250.000	(aH)	
*	66 Chlorobenzene-D5	117	14.097	14.098	(1.000)	477924	50.0000	(H)	
	67 Chlorobenzene	112	14.120	14.121	(0.994)	691936	50.0000	(a)	
	68 1-Chlorohexane	91	14.085	14.086	(0.992)	402128	50.0000	(aH)	
	69 Ethylbenzene	106	14.155	14.156	(0.997)	366267	50.0000	(aH)	
	70 1,1,1,2-Tetrachloroethane	131	14.202	14.202	(1.000)	275390	50.0000	(a)	
M	71 Xylenes (total)	106				1299294	150.000	(a)	
	72 m+p-Xylenes	106	14.341	14.342	(1.010)	862293	100.000	(a)	
	73 o-Xylene	106	14.911	14.911	(1.050)	437001	50.0000	(aH)	
	74 Styrene	104	14.981	14.981	(1.055)	732484	50.0000	(a)	
	75 Bromoform	173	15.015	15.016	(1.057)	198113	50.0000	(Ta)	
	76 Isopropylbenzene	105	15.329	15.330	(0.887)	1022846	50.0000	(a)	
$	77 P-Bromofluorobenzene	95	15.713	15.713	(1.489)	336871	50.0000	(aH)	
	78 cis-1,4-Dichloro-2-Butene	53	15.783	15.783	(0.913)	70185	50.0000	(aH)	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2292.D
Report Date: 31-May-2011 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.224	16.225	(0.939)	63180	50.0000	(aH)	
80 Bromobenzene	156	15.864	15.864	(0.918)	328273	50.0000	(a)	
81 N-Propylbenzene	91	15.887	15.888	(0.919)	1301927	50.0000	(aH)	
82 1,1,2,2-Tetrachloroethane	83	15.969	15.969	(0.924)	229143	50.0000	(a)	
83 1,3,5-Trimethylbenzene	105	16.155	16.155	(0.935)	925733	50.0000	(a)	
84 2-Chlorotoluene	91	16.108	16.109	(0.932)	810192	50.0000	(aH)	
85 1,2,3-Trichloropropane	75	16.166	16.167	(0.935)	170906	50.0000	(aH)	
86 4-Chlorotoluene	91	16.341	16.341	(0.946)	780488	50.0000	(aH)	
87 tert-Butylbenzene	119	16.608	16.608	(0.961)	963933	50.0000	(aH)	
88 Pentachloroethane	117	16.631	16.632	(0.962)	207619	50.0000	(aH)	
89 1,2,4-Trimethylbenzene	105	16.701	16.701	(0.966)	915465	50.0000	(aH)	
90 P-Isopropyltoluene	119	17.061	17.062	(0.987)	963117	50.0000	(aH)	
91 1,3-Dichlorobenzene	146	17.178	17.178	(0.994)	557448	50.0000	(aH)	
* 92 1,4-Dichlorobenzene-D4	152	17.282	17.283	(1.000)	274556	50.0000		
93 1,4-Dichlorobenzene	146	17.305	17.306	(1.001)	538013	50.0000	(a)	
94 N-Butylbenzene	91	17.666	17.666	(1.022)	857648	50.0000	(a)	
95 sec-Butylbenzene	105	16.864	16.864	(0.976)	1227377	50.0000	(a)	
96 1,2-Dichlorobenzene	146	17.910	17.910	(1.036)	497865	50.0000	(a)	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.105)	34003	50.0000	(aH)	
98 1,3,5-Trichlorobenzene	180	19.154	19.154	(1.108)	429251	50.0000	(a)	
99 Hexachlorobutadiene	225	20.095	20.096	(1.163)	195095	50.0000	(a)	
100 1,2,4-Trichlorobenzene	180	20.130	20.131	(1.165)	326139	50.0000	(a)	
101 1,2,3-Trimethylbenzene	105	17.329	17.329	(1.003)	872901	50.0000	(aH)	
102 Naphthalene	128	20.642	20.642	(1.194)	442434	50.0000	(a)	
103 1,2,3-Trichlorobenzene	180	20.920	20.921	(1.211)	259169	50.0000	(a)	
104 Methyl Acetate	43	5.890	5.891	(0.596)	187915	50.0000	(aH)	
105 Methylcyclohexane	83	10.494	10.494	(1.061)	451073	50.0000	(a)	
M 106 Total Alkylbenzenes	100				7155200	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-t.i\T052411B.b\T2292.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2292.D
Lab Smp Id: VSTD050T24C
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

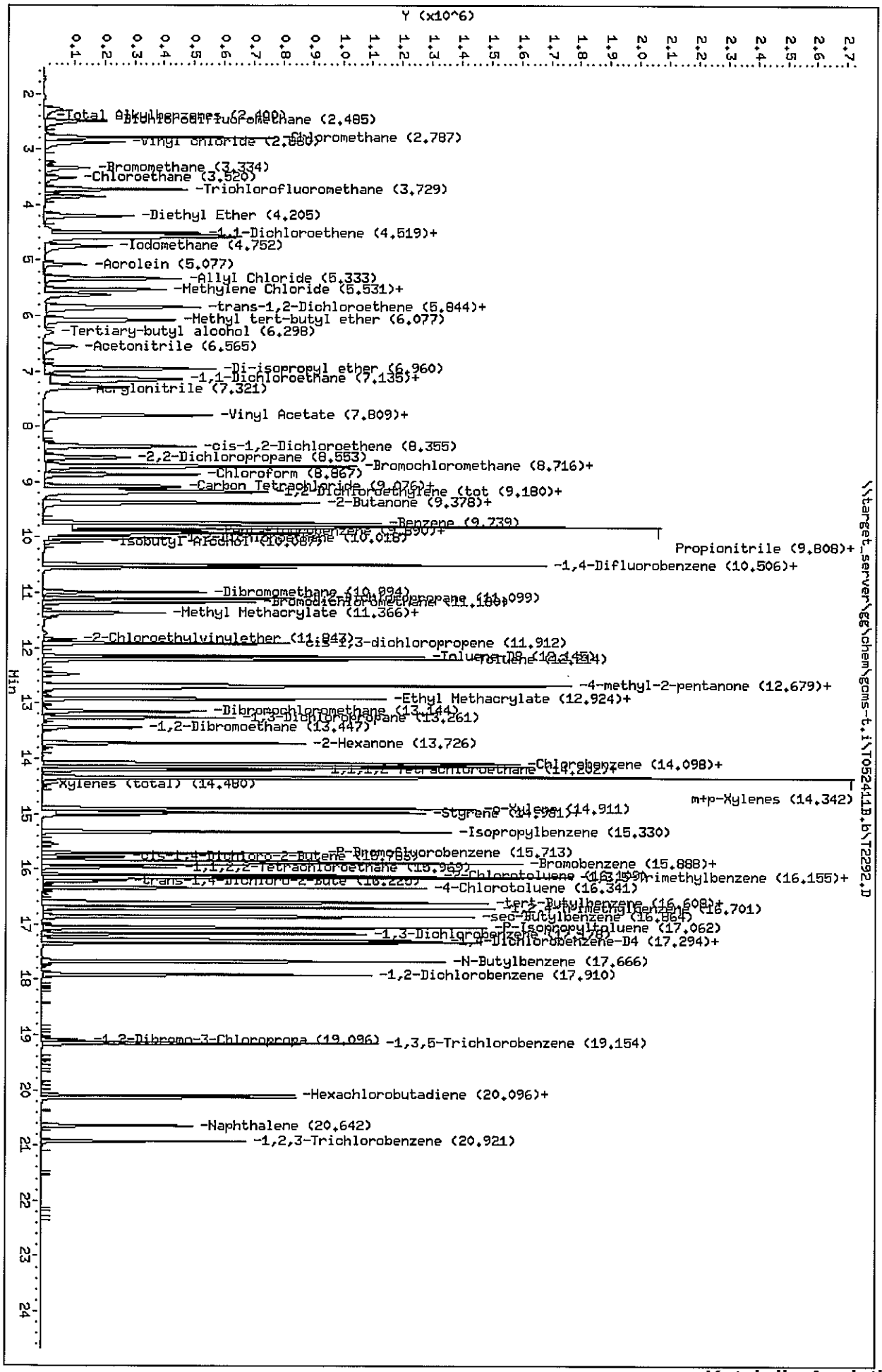
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	409515	0.00
49 1,4-Difluorobenze	637773	318887	1275546	637773	0.00
66 Chlorobenzene-D5	477924	238962	955848	477924	0.00
92 1,4-Dichlorobenze	274556	137278	549112	274556	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	0.00
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	0.00
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.00
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	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\goms-t.i\T052411B.b\T2292.D
Date : 24-MAY-2011 13:06
Client ID:
Sample Info: VSTD050T24C
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: goms-t.i
Operator: JSS
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2293.D
Lab Smp Id: VSTD200T24A
Inj Date : 24-MAY-2011 14:00 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD200T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 14:00 Cal File: T2293.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)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.491	2.497	(0.252)	1460258	200.000	199	
2 Chloromethane	50	2.782	2.787	(0.281)	1566327	200.000	177	
3 Vinyl chloride	62	2.875	2.880	(0.291)	1431285	200.000	189	
4 Bromomethane	94	3.339	3.334	(0.338)	608776	200.000	200	
5 Chloroethane	64	3.514	3.520	(0.355)	402860	200.000	144	
6 Trichlorofluoromethane	101	3.711	3.729	(0.375)	1737282	200.000	174	
7 Diethyl Ether	59	4.211	4.205	(0.426)	760457	200.000	181	
8 Tertiary-butyl alcohol	59	6.315	6.298	(0.638)	258671	1000.00	875	
9 1,1-Dichloroethene	96	4.514	4.519	(0.456)	1109401	200.000	192	
10 Carbon Disulfide	76	4.560	4.554	(0.461)	3297214	200.000	207(A)	
11 Freon-113	151	4.583	4.589	(0.463)	933270	200.000	172	
12 Iodomethane	142	4.758	4.752	(0.481)	1995981	200.000	234(A)	
13 Acrolein	56	5.083	5.077	(0.514)	671129	1000.00	879	
14 Methylene Chloride	84	5.536	5.531	(0.560)	1207215	200.000	188	
15 Acetone	43	5.629	5.624	(0.569)	1561299	1000.00	904	
16 Isobutyl Alcohol	43	10.093	10.087	(1.020)	413743	4000.00	3340	
17 trans-1,2-Dichloroethene	96	5.850	5.844	(0.591)	1280751	200.000	190	
18 Allyl Chloride	41	5.339	5.333	(0.540)	1535392	200.000	177	
19 Methyl tert-butyl ether	73	6.083	6.089	(0.615)	2945012	400.000	378	
20 Acetonitrile	39	6.571	6.577	(0.664)	197312	2000.00	1850	
21 Di-isopropyl ether	45	6.966	6.960	(0.704)	3523709	200.000	173	
22 Chloroprene	53	7.141	7.135	(0.722)	1577422	200.000	176	
23 Propionitrile	54	9.791	9.773	(0.989)	677505	2000.00	1450	
24 Methacrylonitrile	41	9.826	9.808	(0.993)	3549637	2000.00	1540	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 31-May-2011 09:29

	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	7.187	7.181	(0.726)	1855885	200.000	183	
	26 Acrylonitrile	52	7.303	7.286	(0.738)	1090214	1000.00	849	
	27 Ethyl tertiary-butyl ether	59	7.803	7.797	(0.789)	2065674	200.000	168	
	28 Vinyl Acetate	43	7.815	7.809	(0.741)	2089299	200.000	190	
	29 cis-1,2-Dichloroethene	96	8.361	8.355	(0.845)	1256226	200.000	184	
M	30 1,2-Dichloroethylene (total)	96				2536977	200.000	(a)	
	31 Methyl Methacrylate	41	11.372	11.366	(1.078)	655551	200.000	183	
	32 2,2-Dichloropropane	77	8.559	8.564	(0.865)	1174941	200.000	219(A)	
	33 Bromochloromethane	128	8.721	8.715	(0.881)	574379	200.000	176	
	34 Chloroform	83	8.873	8.878	(0.897)	1941217	200.000	188	
	35 Carbon Tetrachloride	117	9.082	9.076	(0.861)	1372592	200.000	203(A)	
	36 Tetrahydrofuran	42	9.117	9.111	(0.921)	945218	1000.00	834	
$	37 Dibromofluoromethane	113	9.163	9.169	(0.926)	1054080	200.000	174	
	38 1,1,1-Trichloroethane	97	9.186	9.192	(0.928)	1726882	200.000	189	
	39 1,1-Dichloropropene	75	9.384	9.390	(0.890)	1406007	200.000	184	
	40 2-Butanone	43	9.372	9.367	(0.947)	1614531	1000.00	815	
	41 Benzene	78	9.744	9.739	(0.924)	3314970	200.000	170	
*	42 Pentafluorobenzene	168	9.896	9.890	(1.000)	402998	50.0000		
	43 Cyclohexane	56	8.733	8.727	(0.883)	1393302	200.000	163	
	44 Ethyl Methacrylate	69	12.918	12.924	(1.225)	706172	200.000	154	
$	45 1,2-Dichloroethane-D4	65	9.930	9.925	(1.004)	936312	200.000	180	
	46 Tertiary-amyl methyl ether	73	9.942	9.936	(1.005)	1672790	200.000	166	
	47 1,2-Dichloroethane	62	10.012	10.018	(0.949)	1395605	200.000	203(A)	
	48 Trichloroethene	95	10.512	10.506	(0.997)	898552	200.000	165	
*	49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	607398	50.0000		
	50 Dibromomethane	93	10.988	10.982	(1.042)	629896	200.000	183	
	51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	806580	200.000	168	
	52 Bromodichloromethane	83	11.186	11.180	(1.061)	1398218	200.000	186	
	53 cis-1,3-dichloropropene	75	11.918	11.912	(1.130)	1498756	200.000	184	
	54 1,4-Dioxane	88	11.407	11.412	(1.082)	132104	4000.00	3580	
$	55 Toluene-D8	98	12.151	12.145	(1.152)	2652166	200.000	164	
	56 2-Chloroethylvinylether	63	11.848	11.843	(1.123)	183818	200.000	236(A)	
	57 Toluene	92	12.209	12.214	(1.158)	2010300	200.000	163	
	58 4-methyl-2-pentanone	43	12.685	12.679	(1.203)	2357301	1000.00	736	
	59 Tetrachloroethene	164	12.697	12.691	(0.900)	779465	200.000	192	
	60 trans-1,3-Dichloropropene	75	12.732	12.726	(1.207)	1187184	200.000	190	
	61 1,1,2-Trichloroethane	83	12.918	12.924	(1.225)	515756	200.000	162	
	62 Dibromochloromethane	129	13.150	13.144	(0.932)	1117233	200.000	242(A)	
	63 1,3-Dichloropropane	76	13.267	13.261	(0.941)	1273142	200.000	221(A)	
	64 1,2-Dibromoethane	107	13.453	13.447	(1.276)	884712	200.000	193	
	65 2-Hexanone	43	13.720	13.726	(0.973)	1875132	1000.00	964	
*	66 Chlorobenzene-D5	117	14.103	14.098	(1.000)	369416	50.0000		
	67 Chlorobenzene	112	14.127	14.121	(1.002)	2120794	200.000	198	
	68 1-Chlorohexane	91	14.092	14.086	(0.999)	1206467	200.000	194	
	69 Ethylbenzene	106	14.162	14.156	(1.004)	1113887	200.000	197	
	70 1,1,1,2-Tetrachloroethane	131	14.208	14.202	(1.007)	970551	200.000	228(A)	
M	71 Xylenes (total)	106				3743666	600.000	(a)	
	72 m+p-Xylenes	106	14.348	14.342	(1.017)	2400431	400.000	360	
	73 o-Xylene	106	14.917	14.911	(1.058)	1343235	200.000	199	
	74 Styrene	104	14.975	14.981	(1.062)	2245831	200.000	198	
	75 Bromoform	173	15.022	15.016	(1.065)	723210	200.000	236(TA)	
	76 Isopropylbenzene	105	15.336	15.330	(0.888)	3223586	200.000	176	
$	77 P-Bromofluorobenzene	95	15.708	15.713	(1.489)	1056828	200.000	165	
	78 cis-1,4-Dichloro-2-Butene	53	15.789	15.783	(0.914)	266532	200.000	212(A)	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 31-May-2011 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.219	16.225	(0.939)	245279	200.000	216(A)	
80 Bromobenzene	156	15.870	15.864	(0.919)	1073295	200.000	182	
81 N-Propylbenzene	91	15.894	15.888	(0.920)	3887383	200.000	166	
82 1,1,2,2-Tetrachloroethane	83	15.975	15.969	(0.925)	758363	200.000	184	
83 1,3,5-Trimethylbenzene	105	16.161	16.155	(0.935)	2868986	200.000	173	
84 2-Chlorotoluene	91	16.114	16.109	(0.933)	2565481	200.000	176	
85 1,2,3-Trichloropropane	75	16.173	16.167	(0.936)	497145	200.000	162	
86 4-Chlorotoluene	91	16.347	16.341	(0.946)	2555647	200.000	182	
87 tert-Butylbenzene	119	16.614	16.608	(0.962)	2957237	200.000	171	
88 Pentachloroethane	117	16.638	16.632	(0.963)	672191	200.000	180	
89 1,2,4-Trimethylbenzene	105	16.707	16.701	(0.967)	3007202	200.000	183	
90 P-Isopropyltoluene	119	17.068	17.062	(0.988)	3037251	200.000	176	
91 1,3-Dichlorobenzene	146	17.184	17.178	(0.995)	1783670	200.000	178	
* 92 1,4-Dichlorobenzene-D4	152	17.277	17.283	(1.000)	246179	50.0000		
93 1,4-Dichlorobenzene	146	17.300	17.306	(1.001)	1728346	200.000	179	
94 N-Butylbenzene	91	17.672	17.666	(1.023)	2661371	200.000	173	
95 sec-Butylbenzene	105	16.870	16.864	(0.976)	3721576	200.000	169	
96 1,2-Dichlorobenzene	146	17.916	17.910	(1.037)	1630324	200.000	183	
97 1,2-Dibromo-3-Chloropropane	75	19.090	19.096	(1.105)	123456	200.000	202(A)	
98 1,3,5-Trichlorobenzene	180	19.160	19.154	(1.109)	1361753	200.000	177	
99 Hexachlorobutadiene	225	20.102	20.096	(1.163)	633492	200.000	181	
100 1,2,4-Trichlorobenzene	180	20.136	20.131	(1.166)	1125348	200.000	192	
101 1,2,3-Trimethylbenzene	105	17.335	17.329	(1.003)	2749667	200.000	176	
102 Naphthalene	128	20.636	20.642	(1.194)	1667824	200.000	210(A)	
103 1,2,3-Trichlorobenzene	180	20.927	20.921	(1.211)	898148	200.000	193	
104 Methyl Acetate	43	5.897	5.891	(0.596)	656488	200.000	178	
105 Methylcyclohexane	83	10.500	10.494	(1.061)	1242430	200.000	140	
M 106 Total Alkylbenzenes	100				22141006	200.000	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2293.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2293.D
Lab Smp Id: VSTD200T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

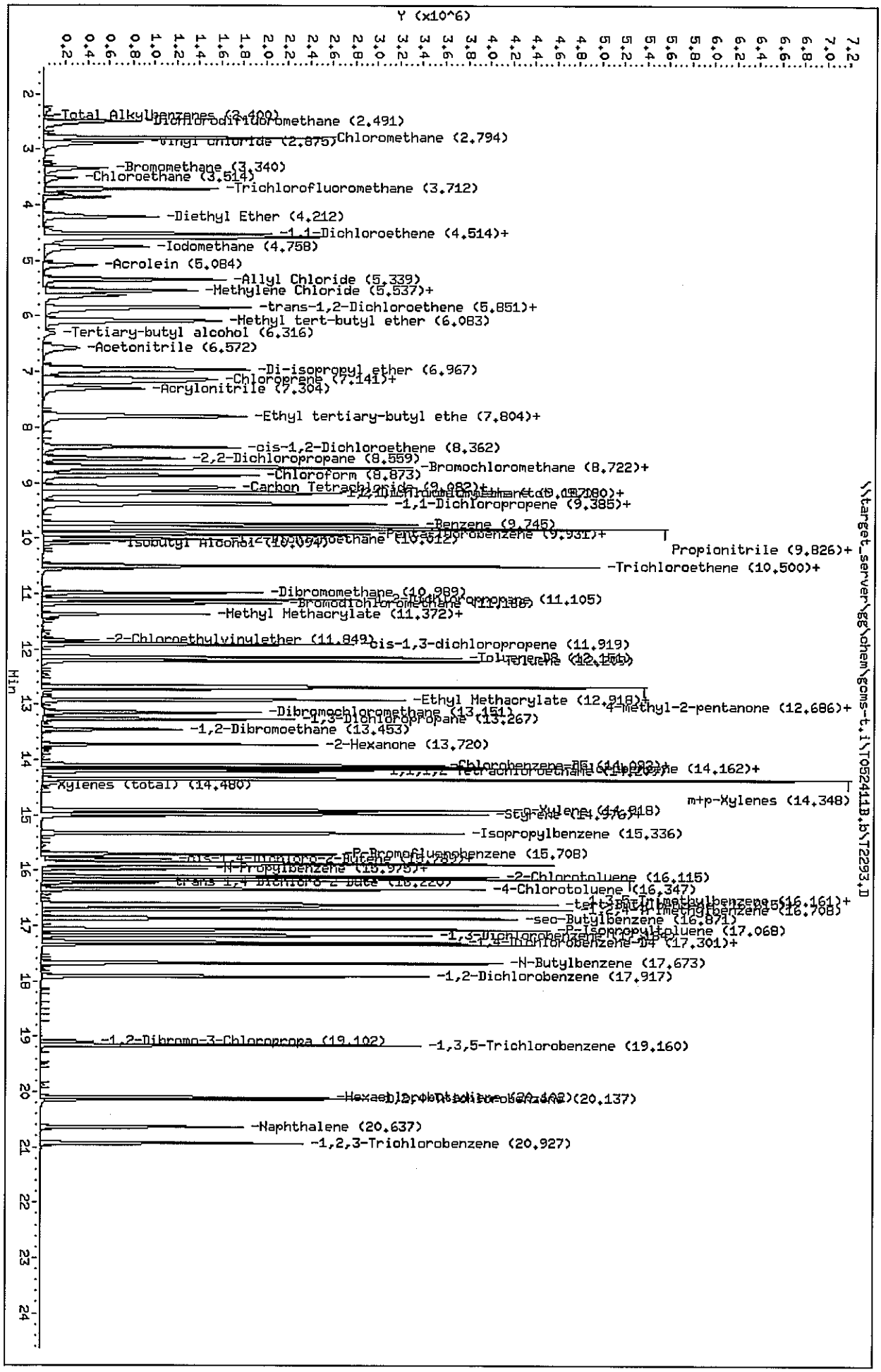
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	402998	-1.59
49 1,4-Difluorobenze	637773	318887	1275546	607398	-4.76
66 Chlorobenzene-D5	477924	238962	955848	369416	-22.70
92 1,4-Dichlorobenze	274556	137278	549112	246179	-10.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.90	0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.05
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.05
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\gg\chem\gcms-t.i\T052411B.b\T2293.D
Date : 24-MAY-2011 14:00
Client ID:
Sample Info: VSTD200T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2294.D
Lab Smp Id: VSTD100T24A
Inj Date : 24-MAY-2011 14:32 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD100T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 14:32 Cal File: T2294.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	2.494	2.497	(0.252)	646840	100.000	95.3	
2 Chloromethane	50	2.785	2.787	(0.282)	712476	100.000	92.2	
3 Vinyl chloride	62	2.878	2.880	(0.291)	517373	100.000	74.5	
4 Bromomethane	94	3.343	3.334	(0.338)	267690	100.000	94.8	
5 Chloroethane	64	3.517	3.520	(0.356)	204870	100.000	88.4	
6 Trichlorofluoromethane	101	3.726	3.729	(0.377)	827554	100.000	100	
7 Diethyl Ether	59	4.215	4.205	(0.426)	361744	100.000	99.1	
8 Tertiary-butyl alcohol	59	6.307	6.298	(0.638)	119897	500.000	475	
9 1,1-Dichloroethene	96	4.517	4.519	(0.457)	523690	100.000	99.6	
10 Carbon Disulfide	76	4.563	4.554	(0.462)	1535865	100.000	102	
11 Freon-113	151	4.586	4.589	(0.464)	430998	100.000	92.2	
12 Iodomethane	142	4.761	4.752	(0.482)	856033	100.000	94.8	
13 Acrolein	56	5.086	5.077	(0.514)	320318	500.000	482	
14 Methylene Chloride	84	5.540	5.531	(0.560)	550435	100.000	97.4	
15 Acetone	43	5.633	5.624	(0.570)	706780	500.000	464	
16 Isobutyl Alcohol	43	10.096	10.087	(1.021)	203769	2000.00	1930	
17 trans-1,2-Dichloroethene	96	5.854	5.844	(0.592)	598038	100.000	98.2	
18 Allyl Chloride	41	5.342	5.333	(0.540)	720252	100.000	99.2	
19 Methyl tert-butyl ether	73	6.086	6.089	(0.616)	1355223	200.000	193	
20 Acetonitrile	39	6.574	6.577	(0.665)	100831	1000.00	1080	
21 Di-isopropyl ether	45	6.958	6.960	(0.704)	1696763	100.000	96.5	
22 Chloroprene	53	7.132	7.135	(0.721)	754531	100.000	101	
23 Propionitrile	54	9.782	9.773	(0.989)	376425	1000.00	1010	
24 Methacrylonitrile	41	9.817	9.808	(0.993)	1896312	1000.00	1000	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 31-May-2011 09:29

	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	7.179	7.181	(0.726)	874577	100.000	97.2	
	26 Acrylonitrile	52	7.295	7.286	(0.738)	527579	500.000	479	
	27 Ethyl tertiary-butyl ether	59	7.795	7.797	(0.788)	999522	100.000	95.5	
	28 Vinyl Acetate	43	7.806	7.809	(0.740)	997967	100.000	99.4	
	29 cis-1,2-Dichloroethene	96	8.364	8.355	(0.846)	599292	100.000	98.7	
M	30 1,2-Dichloroethylene (total)	96				1197330	100.000	(a)	
	31 Methyl Methacrylate	41	11.375	11.366	(1.078)	318580	100.000	99.1	
	32 2,2-Dichloropropane	77	8.562	8.564	(0.866)	490982	100.000	91.6	
	33 Bromochloromethane	128	8.713	8.715	(0.881)	291856	100.000	102	
	34 Chloroform	83	8.876	8.878	(0.898)	911536	100.000	98.0	
	35 Carbon Tetrachloride	117	9.073	9.076	(0.860)	628087	100.000	98.2	
	36 Tetrahydrofuran	42	9.108	9.111	(0.921)	472391	500.000	490	
$	37 Dibromofluoromethane	113	9.166	9.169	(0.927)	506942	100.000	96.5	
	38 1,1,1-Trichloroethane	97	9.190	9.192	(0.929)	809269	100.000	100	
	39 1,1-Dichloropropene	75	9.387	9.390	(0.890)	683969	100.000	99.6	
	40 2-Butanone	43	9.364	9.367	(0.947)	795081	500.000	477	
	41 Benzene	78	9.736	9.739	(0.923)	1683714	100.000	99.6	
*	42 Pentafluorobenzene	168	9.887	9.890	(1.000)	373572	50.0000		
	43 Cyclohexane	56	8.725	8.727	(0.882)	710318	100.000	98.7	
	44 Ethyl Methacrylate	69	12.921	12.924	(1.225)	379281	100.000	97.9	
$	45 1,2-Dichloroethane-D4	65	9.922	9.925	(1.004)	457753	100.000	100	
	46 Tertiary-amyl methyl ether	73	9.934	9.936	(1.005)	861452	100.000	101	
	47 1,2-Dichloroethane	62	10.015	10.018	(0.949)	651086	100.000	100	
	48 Trichloroethene	95	10.503	10.506	(0.996)	478403	100.000	103	
*	49 1,4-Difluorobenzene	114	10.550	10.552	(1.000)	569002	50.0000		
	50 Dibromomethane	93	10.991	10.982	(1.042)	311133	100.000	101	
	51 1,2-Dichloropropane	63	11.096	11.099	(1.052)	404165	100.000	97.6	
	52 Bromodichloromethane	83	11.177	11.180	(1.059)	668726	100.000	98.6	
	53 cis-1,3-dichloropropene	75	11.910	11.912	(1.129)	728271	100.000	99.3	
	54 1,4-Dioxane	88	11.410	11.412	(1.082)	66496	2000.00	2030	
$	55 Toluene-D8	98	12.142	12.145	(1.151)	1381976	100.000	100	
	56 2-Chloroethylvinylether	63	11.840	11.843	(1.122)	71066	100.000	88.2	
	57 Toluene	92	12.212	12.214	(1.158)	1051680	100.000	100	
	58 4-methyl-2-pentanone	43	12.677	12.679	(1.202)	1290177	500.000	487	
	59 Tetrachloroethene	164	12.689	12.691	(0.899)	420487	100.000	99.9	
	60 trans-1,3-Dichloropropene	75	12.723	12.726	(1.206)	574642	100.000	101	
	61 1,1,2-Trichloroethane	83	12.921	12.924	(1.225)	263944	100.000	97.9	
	62 Dibromochloromethane	129	13.142	13.144	(0.932)	530533	100.000	95.8	
	63 1,3-Dichloropropane	76	13.270	13.261	(0.941)	626533	100.000	97.7	
	64 1,2-Dibromoethane	107	13.444	13.447	(1.274)	417803	100.000	99.1	
	65 2-Hexanone	43	13.723	13.726	(0.973)	978116	500.000	484	
*	66 Chlorobenzene-D5	117	14.107	14.098	(1.000)	390626	50.0000		
	67 Chlorobenzene	112	14.118	14.121	(1.001)	1116915	100.000	99.2	
	68 1-Chlorohexane	91	14.095	14.086	(0.999)	631224	100.000	97.5	
	69 Ethylbenzene	106	14.153	14.156	(1.003)	589487	100.000	99.3	
	70 1,1,1,2-Tetrachloroethane	131	14.200	14.202	(1.007)	474046	100.000	96.6	
M	71 Xylenes (total)	106				2031103	300.000	(a)	
	72 m+p-Xylenes	106	14.351	14.342	(1.017)	1327385	200.000	198	
	73 o-Xylene	106	14.909	14.911	(1.057)	703718	100.000	98.8	
	74 Styrene	104	14.978	14.981	(1.062)	1175407	100.000	98.6	
	75 Bromoform	173	15.013	15.016	(1.064)	352961	100.000	97.5(T)	
	76 Isopropylbenzene	105	15.327	15.330	(0.887)	1677769	100.000	100	
$	77 P-Bromofluorobenzene	95	15.711	15.713	(1.489)	544339	100.000	99.3	
	78 cis-1,4-Dichloro-2-Butene	53	15.792	15.783	(0.914)	122137	100.000	96.1	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2294.D
Report Date: 31-May-2011 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	79 trans-1,4-Dichloro-2-Butene	53	16.222	16.225	(0.939)	117920	100.000	101	
	80 Bromobenzene	156	15.862	15.864	(0.918)	555907	100.000	101	
	81 N-Propylbenzene	91	15.885	15.888	(0.919)	2056444	100.000	98.7	
	82 1,1,2,2-Tetrachloroethane	83	15.967	15.969	(0.924)	390103	100.000	101	
	83 1,3,5-Trimethylbenzene	105	16.153	16.155	(0.935)	1511996	100.000	100	
	84 2-Chlorotoluene	91	16.106	16.109	(0.932)	1311977	100.000	98.5	
	85 1,2,3-Trichloropropane	75	16.164	16.167	(0.935)	272573	100.000	101	
	86 4-Chlorotoluene	91	16.339	16.341	(0.946)	1309561	100.000	100	
	87 tert-Butylbenzene	119	16.606	16.608	(0.961)	1591735	100.000	102	
	88 Pentachloroethane	117	16.641	16.632	(0.963)	343726	100.000	99.7	
	89 1,2,4-Trimethylbenzene	105	16.699	16.701	(0.966)	1532533	100.000	100	
	90 P-Isopropyltoluene	119	17.059	17.062	(0.987)	1598071	100.000	101	
	91 1,3-Dichlorobenzene	146	17.175	17.178	(0.994)	927120	100.000	101	
*	92 1,4-Dichlorobenzene-D4	152	17.280	17.283	(1.000)	239655	50.0000		
	93 1,4-Dichlorobenzene	146	17.303	17.306	(1.001)	895120	100.000	100	
	94 N-Butylbenzene	91	17.675	17.666	(1.023)	1395418	100.000	99.9	
	95 sec-Butylbenzene	105	16.862	16.864	(0.976)	1986846	100.000	100	
	96 1,2-Dichlorobenzene	146	17.908	17.910	(1.036)	850402	100.000	102	
	97 1,2-Dibromo-3-Chloropropane	75	19.093	19.096	(1.105)	59968	100.000	100	
	98 1,3,5-Trichlorobenzene	180	19.152	19.154	(1.108)	714184	100.000	101	
	99 Hexachlorobutadiene	225	20.093	20.096	(1.163)	329881	100.000	102	
	100 1,2,4-Trichlorobenzene	180	20.140	20.131	(1.165)	591221	100.000	107	
	101 1,2,3-Trimethylbenzene	105	17.327	17.329	(1.003)	1432716	100.000	100	
	102 Naphthalene	128	20.639	20.642	(1.194)	852820	100.000	106	
	103 1,2,3-Trichlorobenzene	180	20.930	20.921	(1.211)	476365	100.000	108	
	104 Methyl Acetate	43	5.888	5.891	(0.596)	309996	100.000	95.8	
	105 Methylcyclohexane	83	10.492	10.494	(1.061)	668568	100.000	93.3	
M	106 Total Alkylbenzenes	100				11673043	100.000	(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-t.i\T052411B.b\T2294.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2294.D
Lab Smp Id: VSTD100T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

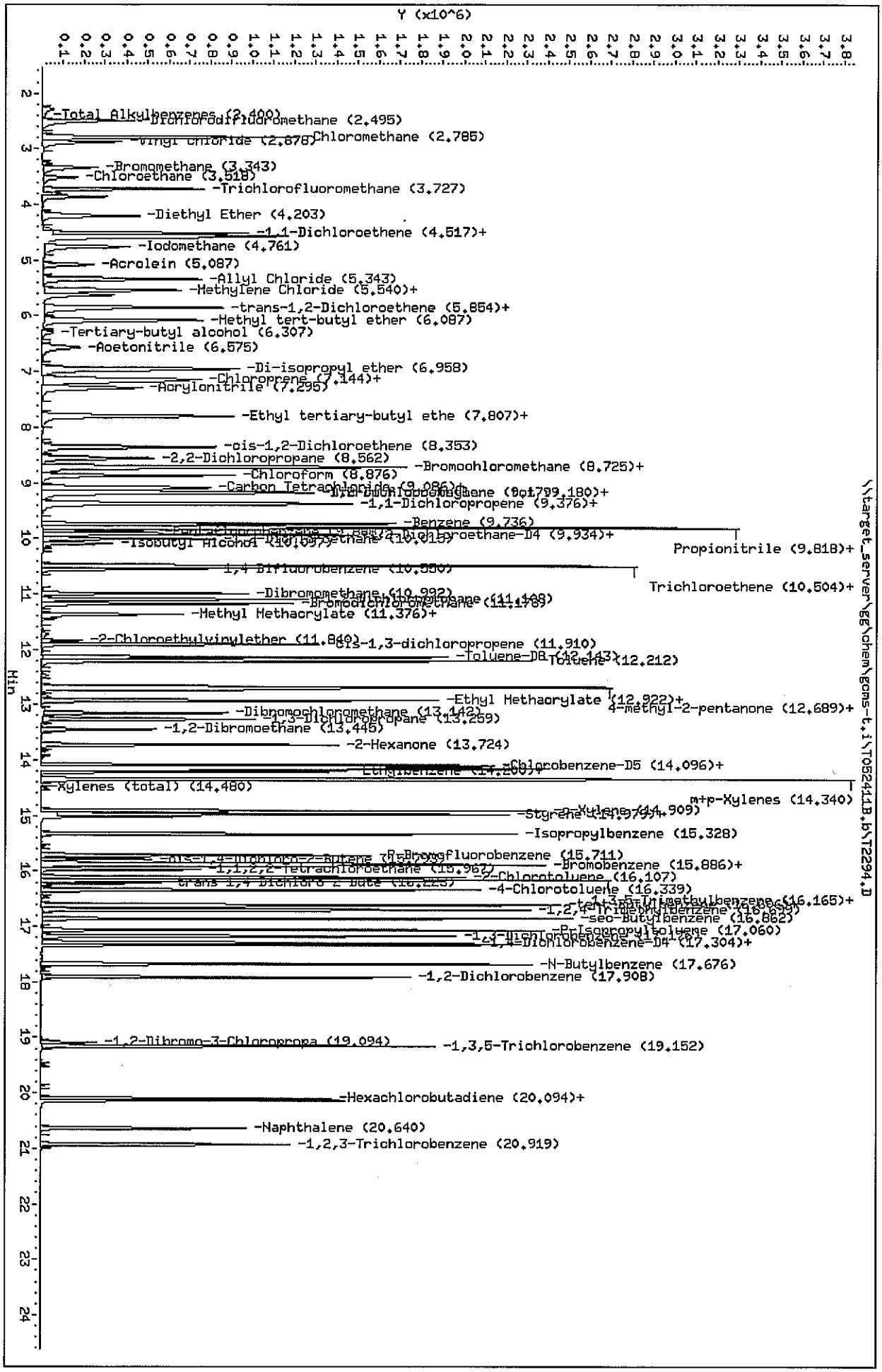
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	373572	-8.78
49 1,4-Difluorobenze	637773	318887	1275546	569002	-10.78
66 Chlorobenzene-D5	477924	238962	955848	390626	-18.27
92 1,4-Dichlorobenze	274556	137278	549112	239655	-12.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.02
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.02
66 Chlorobenzene-D5	14.10	13.60	14.60	14.11	0.07
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\gg\chem\goms-t.i\T052411B.b\T2294.D
Date : 24-MAY-2011 14:32
Client ID:
Sample Info: VSTD100T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: goms-t.i
Operator: DWH
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2295.D
Lab Smp Id: VSTD020T24A
Inj Date : 24-MAY-2011 15:04 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD020T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 15:04 Cal File: T2295.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	2.495	2.497	(0.252)	141394	20.0000	21.6	
2 Chloromethane	50	2.786	2.787	(0.282)	169095	20.0000	23.0	
3 Vinyl chloride	62	2.879	2.880	(0.291)	118645	20.0000	20.5	
4 Bromomethane	94	3.344	3.334	(0.338)	59144	20.0000	21.8	
5 Chloroethane	64	3.530	3.520	(0.357)	55911	20.0000	21.9	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	191273	20.0000	21.0	
7 Diethyl Ether	59	4.204	4.205	(0.425)	72013	20.0000	14.8	
8 Tertiary-butyl alcohol	59	6.296	6.298	(0.637)	20218	100.000	53.3	
9 1,1-Dichloroethene	96	4.518	4.519	(0.457)	116153	20.0000	22.6	
10 Carbon Disulfide	76	4.564	4.554	(0.462)	357702	20.0000	24.2	
11 Freon-113	151	4.599	4.589	(0.465)	95204	20.0000	21.4	
12 Iodomethane	142	4.762	4.752	(0.482)	161495	20.0000	22.2	
13 Acrolein	56	5.076	5.077	(0.513)	66599	100.000	104	
14 Methylene Chloride	84	5.541	5.531	(0.560)	125527	20.0000	22.2	
15 Acetone	43	5.622	5.624	(0.569)	156286	100.000	107	
16 Isobutyl Alcohol	43	10.086	10.087	(1.020)	39030	400.000	382	
17 trans-1,2-Dichloroethene	96	5.843	5.844	(0.591)	126136	20.0000	21.3	
18 Allyl Chloride	41	5.343	5.333	(0.540)	153146	20.0000	19.4	
19 Methyl tert-butyl ether	73	6.087	6.089	(0.616)	281435	40.0000	41.4	
20 Acetonitrile	39	6.564	6.577	(0.664)	19251	200.000	131	
21 Di-isopropyl ether	45	6.959	6.960	(0.704)	341737	20.0000	20.1	
22 Chloroprene	53	7.133	7.135	(0.721)	160665	20.0000	19.3	
23 Propionitrile	54	9.772	9.773	(0.988)	86022	200.000	235	
24 Methacrylonitrile	41	9.807	9.808	(0.992)	421951	200.000	228	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 31-May-2011 09:29

	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	7.180	7.181	(0.726)	195919	20.0000	22.4	
	26 Acrylonitrile	52	7.296	7.286	(0.738)	108891	100.000	102	
	27 Ethyl tertiary-butyl ether	59	7.796	7.797	(0.788)	219260	20.0000	21.7	
	28 Vinyl Acetate	43	7.808	7.809	(0.740)	202207	20.0000	20.6	
	29 cis-1,2-Dichloroethene	96	8.354	8.355	(0.845)	132893	20.0000	22.4	
M	30 1,2-Dichloroethylene (total)	96				259029	20.0000	(a)	
	31 Methyl Methacrylate	41	11.365	11.366	(1.077)	67150	20.0000	21.4	
	32 2,2-Dichloropropane	77	8.552	8.564	(0.865)	89146	20.0000	20.6	
	33 Bromochloromethane	128	8.714	8.715	(0.881)	65782	20.0000	23.4	
	34 Chloroform	83	8.865	8.878	(0.897)	198863	20.0000	22.0	
	35 Carbon Tetrachloride	117	9.075	9.076	(0.860)	131240	20.0000	22.6	
	36 Tetrahydrofuran	42	9.109	9.111	(0.921)	104109	100.000	111	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	109369	20.0000	21.5	
	38 1,1,1-Trichloroethane	97	9.191	9.192	(0.929)	177313	20.0000	21.4	
	39 1,1-Dichloropropene	75	9.377	9.390	(0.889)	151564	20.0000	22.6	
	40 2-Butanone	43	9.365	9.367	(0.947)	164303	100.000	102	
	41 Benzene	78	9.737	9.739	(0.923)	386311	20.0000	23.4	
*	42 Pentafluorobenzene	168	9.888	9.890	(1.000)	365650	50.0000		
	43 Cyclohexane	56	8.726	8.727	(0.882)	169234	20.0000	24.1	
	44 Ethyl Methacrylate	69	12.922	12.924	(1.225)	87109	20.0000	19.3	
$	45 1,2-Dichloroethane-D4	65	9.923	9.925	(1.004)	89965	20.0000	20.1	
	46 Tertiary-amyl methyl ether	73	9.935	9.936	(1.005)	187969	20.0000	22.4	
	47 1,2-Dichloroethane	62	10.016	10.018	(0.949)	132374	20.0000	20.8	
	48 Trichloroethene	95	10.504	10.506	(0.996)	113112	20.0000	24.6	
*	49 1,4-Difluorobenzene	114	10.551	10.552	(1.000)	556638	50.0000		
	50 Dibromomethane	93	10.981	10.982	(1.041)	68899	20.0000	22.8	
	51 1,2-Dichloropropane	63	11.097	11.099	(1.052)	93975	20.0000	23.4	
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	139776	20.0000	21.2	
	53 cis-1,3-dichloropropene	75	11.911	11.912	(1.129)	155037	20.0000	21.6	
	54 1,4-Dioxane	88	11.411	11.412	(1.082)	13421	400.000	417	
$	55 Toluene-D8	98	12.143	12.145	(1.151)	306505	20.0000	22.7	
	56 2-Chloroethylvinylether	63	11.841	11.843	(1.122)	17603	20.0000	19.8	
	57 Toluene	92	12.213	12.214	(1.158)	249334	20.0000	24.3	
	58 4-methyl-2-pentanone	43	12.678	12.679	(1.202)	315161	100.000	98.5	
	59 Tetrachloroethene	164	12.690	12.691	(0.900)	110072	20.0000	23.5	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	118587	20.0000	21.2	
	61 1,1,2-Trichloroethane	83	12.922	12.924	(1.225)	60350	20.0000	23.0	
	62 Dibromochloromethane	129	13.143	13.144	(0.932)	106713	20.0000	28.2	
	63 1,3-Dichloropropane	76	13.259	13.261	(0.941)	135092	20.0000	19.0	
	64 1,2-Dibromoethane	107	13.445	13.447	(1.274)	90234	20.0000	21.9	
	65 2-Hexanone	43	13.724	13.726	(0.974)	222679	100.000	99.9	
*	66 Chlorobenzene-D5	117	14.096	14.098	(1.000)	435651	50.0000		
	67 Chlorobenzene	112	14.120	14.121	(1.002)	268125	20.0000	21.4	
	68 1-Chlorohexane	91	14.085	14.086	(0.999)	160537	20.0000	22.4	
	69 Ethylbenzene	106	14.154	14.156	(1.004)	145671	20.0000	22.0	
	70 1,1,1,2-Tetrachloroethane	131	14.201	14.202	(1.007)	98837	20.0000	26.1	
M	71 Xylenes (total)	106				522067	60.0000	(a)	
	72 m+p-Xylenes	106	14.340	14.342	(1.017)	350662	40.0000	47.1	
	73 o-Xylene	106	14.910	14.911	(1.058)	171405	20.0000	21.7	
	74 Styrene	104	14.968	14.981	(1.062)	276749	20.0000	20.9	
	75 Bromoform	173	15.015	15.016	(1.065)	69383	20.0000	26.4(T)	
	76 Isopropylbenzene	105	15.328	15.330	(0.888)	408106	20.0000	24.6	
$	77 P-Bromofluorobenzene	95	15.700	15.713	(1.488)	118482	20.0000	22.1	
	78 cis-1,4-Dichloro-2-Butene	53	15.782	15.783	(0.914)	20893	20.0000	21.5	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2295.D
Report Date: 31-May-2011 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.212	16.225	(0.939)	20692	20.0000	21.4	
80 Bromobenzene	156	15.863	15.864	(0.919)	126664	20.0000	23.2	
81 N-Propylbenzene	91	15.886	15.888	(0.920)	512614	20.0000	25.0	
82 1,1,2,2-Tetrachloroethane	83	15.968	15.969	(0.925)	82698	20.0000	21.6	
83 1,3,5-Trimethylbenzene	105	16.154	16.155	(0.935)	367791	20.0000	24.6	
84 2-Chlorotoluene	91	16.107	16.109	(0.933)	316388	20.0000	24.1	
85 1,2,3-Trichloropropane	75	16.165	16.167	(0.936)	62981	20.0000	23.5	
86 4-Chlorotoluene	91	16.340	16.341	(0.946)	299645	20.0000	23.2	
87 tert-Butylbenzene	119	16.607	16.608	(0.962)	375001	20.0000	24.1	
88 Pentachloroethane	117	16.630	16.632	(0.963)	71357	20.0000	20.9	
89 1,2,4-Trimethylbenzene	105	16.700	16.701	(0.967)	359527	20.0000	23.7	
90 P-Isopropyltoluene	119	17.060	17.062	(0.988)	378029	20.0000	24.1	
91 1,3-Dichlorobenzene	146	17.165	17.178	(0.994)	212214	20.0000	23.2	
* 92 1,4-Dichlorobenzene-D4	152	17.270	17.283	(1.000)	237135	50.0000		
93 1,4-Dichlorobenzene	146	17.293	17.306	(1.001)	209935	20.0000	23.8	
94 N-Butylbenzene	91	17.665	17.666	(1.023)	320421	20.0000	23.2	
95 sec-Butylbenzene	105	16.851	16.864	(0.976)	489678	20.0000	25.0	
96 1,2-Dichlorobenzene	146	17.909	17.910	(1.037)	195011	20.0000	23.5	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.106)	11799	20.0000	19.9	
98 1,3,5-Trichlorobenzene	180	19.153	19.154	(1.109)	157533	20.0000	22.5	
99 Hexachlorobutadiene	225	20.094	20.096	(1.164)	77226	20.0000	23.9	
100 1,2,4-Trichlorobenzene	180	20.129	20.131	(1.166)	114685	20.0000	18.9	
101 1,2,3-Trimethylbenzene	105	17.328	17.329	(1.003)	328119	20.0000	23.2	
102 Naphthalene	128	20.641	20.642	(1.195)	142688	20.0000	17.7	
103 1,2,3-Trichlorobenzene	180	20.920	20.921	(1.211)	96256	20.0000	19.9	
104 Methyl Acetate	43	5.890	5.891	(0.596)	61555	20.0000	19.7	
105 Methylcyclohexane	83	10.493	10.494	(1.061)	157030	20.0000	17.9	
M 106 Total Alkylbenzenes	100				2803061	20.0000	(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-t.i\T052411B.b\T2295.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2295.D
Lab Smp Id: VSTD020T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

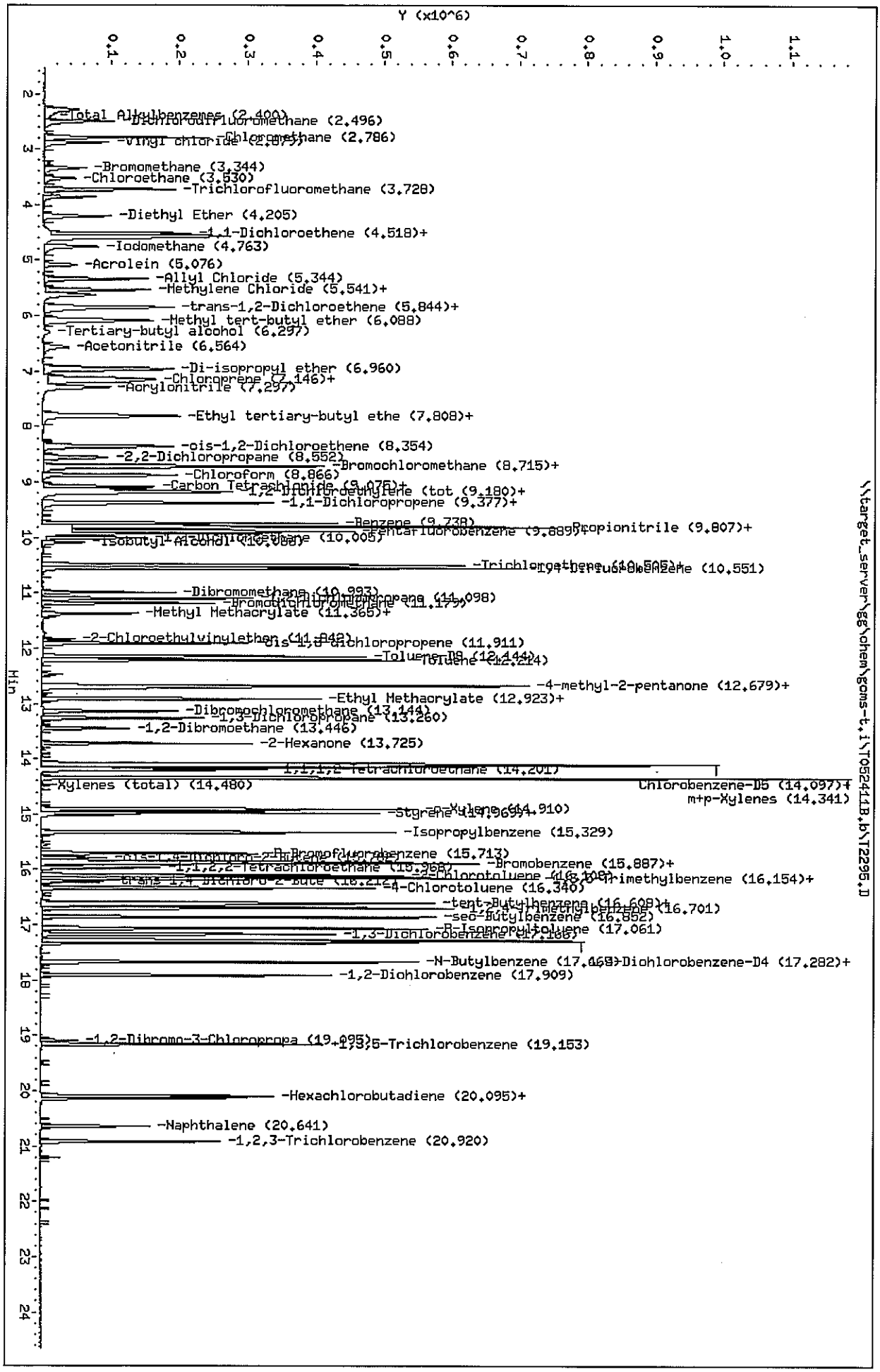
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	365650	-10.71
49 1,4-Difluorobenze	637773	318887	1275546	556638	-12.72
66 Chlorobenzene-D5	477924	238962	955848	435651	-8.85
92 1,4-Dichlorobenze	274556	137278	549112	237135	-13.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.01
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.01
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	-0.01
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052411B.b\T2295.D
Date : 24-MAY-2011 15:04
Client ID:
Sample Info: VSTD020T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2296.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2296.D
Lab Smp Id: VSTD005T24A
Inj Date : 24-MAY-2011 15:37 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD005T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 15:37 Cal File: T2296.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	2.502	2.497	(0.253)	35166	5.00000	5.0	
2 Chloromethane	50	2.792	2.787	(0.283)	46520	5.00000	5.8	
3 Vinyl chloride	62	2.885	2.880	(0.292)	37293	5.00000	4.1	
4 Bromomethane	94	3.339	3.334	(0.338)	16233	5.00000	5.6	
5 Chloroethane	64	3.525	3.520	(0.357)	16502	5.00000	4.3	
6 Trichlorofluoromethane	101	3.734	3.729	(0.378)	46727	5.00000	1.9	
7 Diethyl Ether	59	4.211	4.205	(0.426)	19962	5.00000	2.1	
8 Tertiary-butyl alcohol	59	6.303	6.298	(0.638)	4787	25.0000	12.8	
9 1,1-Dichloroethene	96	4.513	4.519	(0.457)	31703	5.00000	5.7	
10 Carbon Disulfide	76	4.559	4.554	(0.461)	101934	5.00000	6.2	
11 Freon-113	151	4.594	4.589	(0.465)	25475	5.00000	5.4	
12 Iodomethane	142	4.757	4.752	(0.481)	34401	5.00000	7.4	
13 Acrolein	56	5.082	5.077	(0.514)	18302	25.0000	27.0	
14 Methylene Chloride	84	5.536	5.531	(0.560)	37220	5.00000	4.9(a)	
15 Acetone	43	5.629	5.624	(0.570)	48615	25.0000	31.3	
16 Isobutyl Alcohol	43	10.092	10.087	(1.021)	9543	100.000	90.4	
17 trans-1,2-Dichloroethene	96	5.850	5.844	(0.592)	34467	5.00000	5.5	
18 Allyl Chloride	41	5.338	5.333	(0.540)	42854	5.00000	3.4	
19 Methyl tert-butyl ether	73	6.094	6.089	(0.617)	77078	10.0000	10.7	
20 Acetonitrile	39	6.570	6.577	(0.665)	5436	50.0000	11.2(a)	
21 Di-isopropyl ether	45	6.954	6.960	(0.704)	89115	5.00000	5.0	
22 Chloroprene	53	7.140	7.135	(0.722)	41843	5.00000	2.6	
23 Propionitrile	54	9.767	9.773	(0.988)	24137	50.0000	60.3	
24 Methacrylonitrile	41	9.802	9.808	(0.992)	122743	50.0000	61.2	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2296.D
Report Date: 31-May-2011 09:29

	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	7.186	7.181	(0.727)	55174	5.00000	5.9	
	26 Acrylonitrile	52	7.291	7.286	(0.738)	33423	25.0000	29.9	
	27 Ethyl tertiary-butyl ether	59	7.802	7.797	(0.789)	62861	5.00000	5.8	
	28 Vinyl Acetate	43	7.814	7.809	(0.741)	53616	5.00000	5.5	
	29 cis-1,2-Dichloroethene	96	8.360	8.355	(0.846)	37141	5.00000	5.8	
M	30 1,2-Dichloroethylene (total)	96				71608	5.00000	(a)	
	31 Methyl Methacrylate	41	11.371	11.366	(1.078)	16946	5.00000	5.4	
	32 2,2-Dichloropropane	77	8.558	8.564	(0.866)	19212	5.00000	7.2	
	33 Bromochloromethane	128	8.721	8.715	(0.882)	19066	5.00000	6.2	
	34 Chloroform	83	8.872	8.878	(0.898)	53859	5.00000	5.6	
	35 Carbon Tetrachloride	117	9.081	9.076	(0.861)	28207	5.00000	4.9	
	36 Tetrahydrofuran	42	9.116	9.111	(0.922)	29933	25.0000	29.7	
$	37 Dibromofluoromethane	113	9.163	9.169	(0.927)	28946	5.00000	5.3	
	38 1,1,1-Trichloroethane	97	9.186	9.192	(0.929)	43360	5.00000	3.5	
	39 1,1-Dichloropropene	75	9.383	9.390	(0.890)	37664	5.00000	5.5	
	40 2-Butanone	43	9.372	9.367	(0.948)	46619	25.0000	27.6	
	41 Benzene	78	9.744	9.739	(0.924)	106014	5.00000	6.2	
*	42 Pentafluorobenzene	168	9.883	9.890	(1.000)	382529	50.0000		
	43 Cyclohexane	56	8.721	8.727	(0.882)	47092	5.00000	6.1	
	44 Ethyl Methacrylate	69	12.917	12.924	(1.225)	23107	5.00000	5.0	
$	45 1,2-Dichloroethane-D4	65	9.918	9.925	(1.004)	25596	5.00000	5.4	
	46 Tertiary-amyl methyl ether	73	9.930	9.936	(1.005)	51710	5.00000	5.7	
	47 1,2-Dichloroethane	62	10.011	10.018	(0.949)	36994	5.00000	5.8	
	48 Trichloroethene	95	10.499	10.506	(0.996)	30039	5.00000	6.2	
*	49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	552406	50.0000		
	50 Dibromomethane	93	10.988	10.982	(1.042)	19623	5.00000	6.3	
	51 1,2-Dichloropropane	63	11.104	11.099	(1.053)	26005	5.00000	6.2	
	52 Bromodichloromethane	83	11.174	11.180	(1.060)	35898	5.00000	5.4	
	53 cis-1,3-dichloropropene	75	11.917	11.912	(1.130)	40856	5.00000	5.6	
	54 1,4-Dioxane	88	11.418	11.412	(1.083)	3040	100.000	94.2	
$	55 Toluene-D8	98	12.150	12.145	(1.152)	85793	5.00000	6.2	
	56 2-Chloroethylvinylether	63	11.848	11.843	(1.123)	5589	5.00000	(a)	
	57 Toluene	92	12.208	12.214	(1.158)	68491	5.00000	6.4	
	58 4-methyl-2-pentanone	43	12.673	12.679	(1.202)	90947	25.0000	26.4	
	59 Tetrachloroethene	164	12.685	12.691	(0.899)	28024	5.00000	5.3	
	60 trans-1,3-Dichloropropene	75	12.720	12.726	(1.206)	31003	5.00000	5.5	
	61 1,1,2-Trichloroethane	83	12.917	12.924	(1.225)	16578	5.00000	6.1	
	62 Dibromochloromethane	129	13.150	13.144	(0.932)	26571	5.00000	12.0	
	63 1,3-Dichloropropane	76	13.266	13.261	(0.941)	38806	5.00000	5.1	
	64 1,2-Dibromoethane	107	13.452	13.447	(1.276)	24151	5.00000	5.8	
	65 2-Hexanone	43	13.719	13.726	(0.973)	62056	25.0000	25.7	
*	66 Chlorobenzene-D5	117	14.103	14.098	(1.000)	472540	50.0000		
	67 Chlorobenzene	112	14.126	14.121	(1.002)	74403	5.00000	5.4	
	68 1-Chlorohexane	91	14.080	14.086	(0.998)	43426	5.00000	5.4	
	69 Ethylbenzene	106	14.149	14.156	(1.003)	40335	5.00000	5.5	
	70 1,1,1,2-Tetrachloroethane	131	14.196	14.202	(1.007)	25718	5.00000	10.1	
M	71 Xylenes (total)	106				151316	15.0000	(a)	
	72 m+p-Xylenes	106	14.335	14.342	(1.016)	102123	10.0000	12.1	
	73 o-Xylene	106	14.905	14.911	(1.057)	49193	5.00000	5.6	
	74 Styrene	104	14.975	14.981	(1.062)	77782	5.00000	5.4	
	75 Bromoform	173	15.009	15.016	(1.064)	17928	5.00000	11.1(T)	
	76 Isopropylbenzene	105	15.323	15.330	(0.887)	115543	5.00000	6.3	
$	77 P-Bromofluorobenzene	95	15.707	15.713	(1.489)	34678	5.00000	6.4	
	78 cis-1,4-Dichloro-2-Butene	53	15.788	15.783	(0.914)	5760	5.00000	9.0	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2296.D
Report Date: 31-May-2011 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.218	16.225	(0.939)	4956	5.00000	7.4	
80 Bromobenzene	156	15.858	15.864	(0.918)	35623	5.00000	6.0	
81 N-Propylbenzene	91	15.881	15.888	(0.919)	145564	5.00000	6.4	
82 1,1,2,2-Tetrachloroethane	83	15.963	15.969	(0.924)	23492	5.00000	5.8	
83 1,3,5-Trimethylbenzene	105	16.149	16.155	(0.935)	102229	5.00000	6.2	
84 2-Chlorotoluene	91	16.102	16.109	(0.932)	88989	5.00000	6.2	
85 1,2,3-Trichloropropane	75	16.160	16.167	(0.935)	17915	5.00000	6.1	
86 4-Chlorotoluene	91	16.335	16.341	(0.946)	87650	5.00000	6.2	
87 tert-Butylbenzene	119	16.602	16.608	(0.961)	103284	5.00000	6.0	
88 Pentachloroethane	117	16.637	16.632	(0.963)	20971	5.00000	5.8	
89 1,2,4-Trimethylbenzene	105	16.695	16.701	(0.966)	100786	5.00000	6.1	
90 P-Isopropyltoluene	119	17.055	17.062	(0.987)	102157	5.00000	5.9	
91 1,3-Dichlorobenzene	146	17.172	17.178	(0.994)	62318	5.00000	6.3	
* 92 1,4-Dichlorobenzene-D4	152	17.276	17.283	(1.000)	247344	50.0000		
93 1,4-Dichlorobenzene	146	17.299	17.306	(1.001)	60115	5.00000	6.2	
94 N-Butylbenzene	91	17.671	17.666	(1.023)	84440	5.00000	5.6	
95 sec-Butylbenzene	105	16.858	16.864	(0.976)	133393	5.00000	6.1	
96 1,2-Dichlorobenzene	146	17.916	17.910	(1.037)	56376	5.00000	6.2	
97 1,2-Dibromo-3-Chloropropane	75	19.090	19.096	(1.105)	3110	5.00000	5.0	
98 1,3,5-Trichlorobenzene	180	19.148	19.154	(1.108)	40482	5.00000	5.4	
99 Hexachlorobutadiene	225	20.101	20.096	(1.163)	20685	5.00000	5.8	
100 1,2,4-Trichlorobenzene	180	20.136	20.131	(1.166)	24748	5.00000	2.6	
101 1,2,3-Trimethylbenzene	105	17.323	17.329	(1.003)	93148	5.00000	6.1	
102 Naphthalene	128	20.636	20.642	(1.194)	23415	5.00000	3.7	
103 1,2,3-Trichlorobenzene	180	20.926	20.921	(1.211)	19449	5.00000	2.1	
104 Methyl Acetate	43	5.896	5.891	(0.597)	18454	5.00000	5.7	
105 Methylcyclohexane	83	10.488	10.494	(1.061)	45025	5.00000	4.8	
M 106 Total Alkylbenzenes	100				771853	5.00000	(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-t.i\T052411B.b\T2296.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2296.D
Lab Smp Id: VSTD005T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

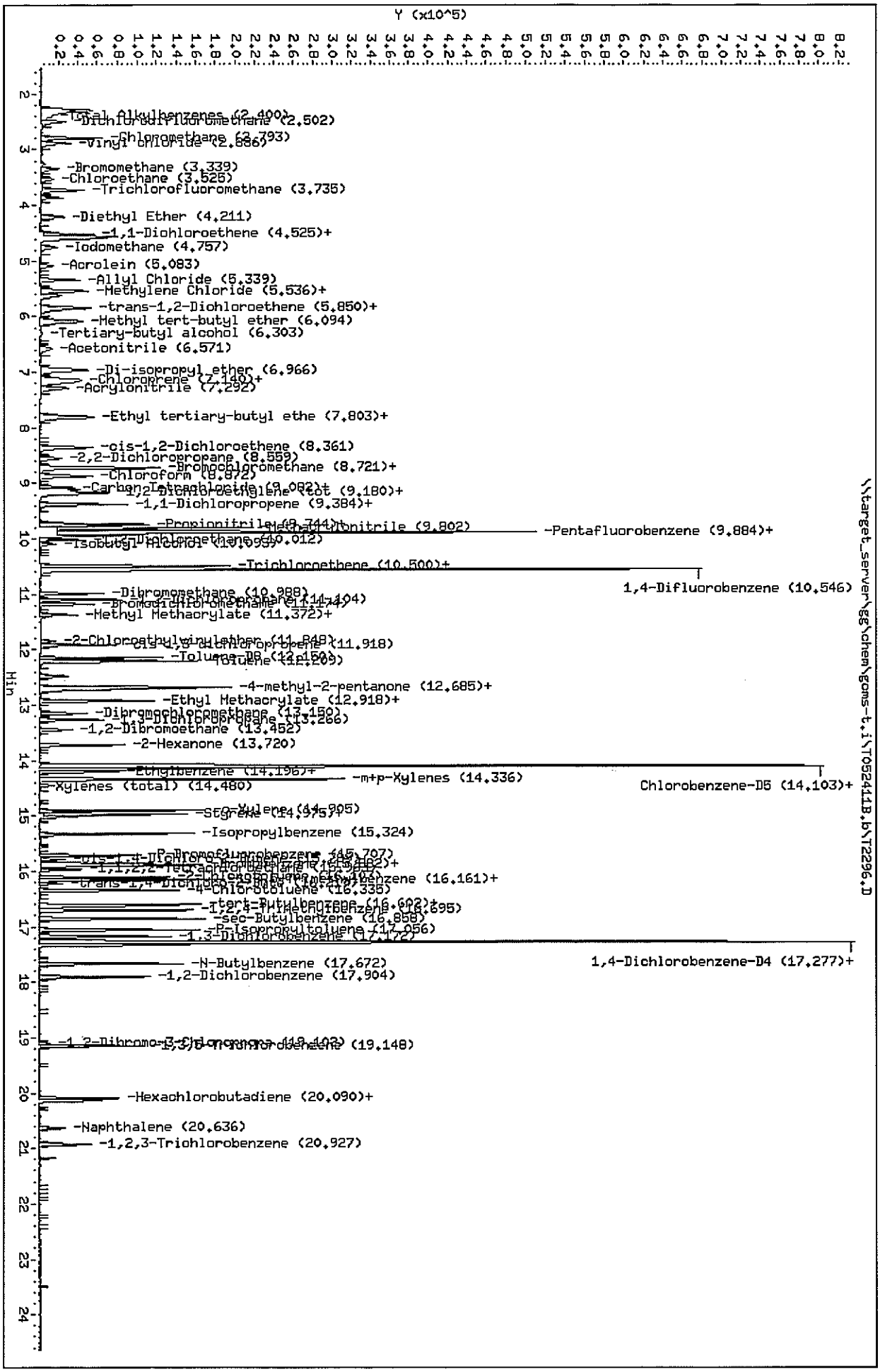
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	382529	-6.59
49 1,4-Difluorobenze	637773	318887	1275546	552406	-13.39
66 Chlorobenzene-D5	477924	238962	955848	472540	-1.13
92 1,4-Dichlorobenze	274556	137278	549112	247344	-9.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.06
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	0.04
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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\gg\chem\gcms-t.i\T052411B.b\T2296.D
Date : 24-MAY-2011 15:37
Client ID:
Sample Info: VSTD005T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWM
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2297.D
Lab Smp Id: VSTD001T24A
Inj Date : 24-MAY-2011 16:10 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : VSTD001T24A
Misc Info : SW846 8260B
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 26-May-2011 12:01 tcote Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.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	2.496	2.497	(0.252)	5319	1.00000	0.75(a)	
2 Chloromethane	50	2.798	2.787	(0.283)	6688	1.00000	0.80(a)	
3 Vinyl chloride	62	2.879	2.880	(0.291)	4928	1.00000	(a)	
4 Bromomethane	94	3.344	3.334	(0.338)	3756	1.00000	1.2	
5 Chloroethane	64	3.530	3.520	(0.357)	2486	1.00000	(a)	
6 Trichlorofluoromethane	101	3.728	3.729	(0.377)	5565	1.00000	(a)	
7 Diethyl Ether	59	4.216	4.205	(0.426)	2385	1.00000	(a)	
8 Tertiary-butyl alcohol	59	6.308	6.298	(0.638)	281	5.00000	(a)	
9 1,1-Dichloroethene	96	4.530	4.519	(0.458)	4606	1.00000	0.80(a)	
10 Carbon Disulfide	76	4.565	4.554	(0.462)	19398	1.00000	1.1	
11 Freon-113	151	4.600	4.589	(0.465)	3456	1.00000	0.71(a)	
12 Iodomethane	142	4.751	4.752	(0.480)	4534	1.00000	3.6	
13 Acrolein	56	5.088	5.077	(0.515)	2567	5.00000	3.7(a)	
14 Methylene Chloride	84	5.541	5.531	(0.560)	8407	1.00000	(a)	
15 Acetone	43	5.646	5.624	(0.571)	7060	5.00000	4.3(a)	
16 Isobutyl Alcohol	43	10.086	10.087	(1.020)	1501	20.0000	14.3(a)	
17 trans-1,2-Dichloroethene	96	5.855	5.844	(0.592)	5344	1.00000	0.82(a)	
18 Allyl Chloride	41	5.332	5.333	(0.539)	4723	1.00000	(a)	
19 Methyl tert-butyl ether	73	6.088	6.089	(0.616)	11175	2.00000	1.5	
20 Acetonitrile	39	6.599	6.577	(0.667)	653	10.0000	(aM)	M9
21 Di-isopropyl ether	45	6.959	6.960	(0.704)	12628	1.00000	0.70(a)	
22 Chloroprene	53	7.145	7.135	(0.723)	5305	1.00000	(a)	
23 Propionitrile	54	9.772	9.773	(0.988)	3914	10.0000	9.3(a)	
24 Methacrylonitrile	41	9.807	9.808	(0.992)	19925	10.0000	9.4(a)	

DJP 053111

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 31-May-2011 09:29

	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	7.180	7.181	(0.726)	8164	1.00000	0.83(a)	
	26 Acrylonitrile	52	7.296	7.286	(0.738)	5172	5.00000	4.4(a)	
	27 Ethyl tertiary-butyl ether	59	7.808	7.797	(0.790)	9580	1.00000	0.85(a)	
	28 Vinyl Acetate	43	7.820	7.809	(0.741)	6917	1.00000	0.70(a)	
	29 cis-1,2-Dichloroethene	96	8.354	8.355	(0.845)	5473	1.00000	0.82(a)	
M	30 1,2-Dichloroethylene (total)	96				10817	1.00000	(a)	
	31 Methyl Methacrylate	41	11.377	11.366	(1.078)	2449	1.00000	0.77(a)	
	32 2,2-Dichloropropane	77	8.552	8.564	(0.865)	2685	1.00000	3.6	
	33 Bromochloromethane	128	8.715	8.715	(0.881)	3461	1.00000	1.1	
	34 Chloroform	83	8.877	8.878	(0.898)	7563	1.00000	0.75(a)	
	35 Carbon Tetrachloride	117	9.087	9.076	(0.861)	2663	1.00000	0.83(a)	
	36 Tetrahydrofuran	42	9.133	9.111	(0.924)	4750	5.00000	4.5(a)	
$	37 Dibromofluoromethane	113	9.168	9.169	(0.927)	4491	1.00000	0.81(a)	
	38 1,1,1-Trichloroethane	97	9.191	9.192	(0.929)	5699	1.00000	(a)	
	39 1,1-Dichloropropene	75	9.389	9.390	(0.890)	5068	1.00000	0.73(a)	
	40 2-Butanone	43	9.377	9.367	(0.948)	6324	5.00000	3.6(a)	
	41 Benzene	78	9.738	9.739	(0.923)	14545	1.00000	0.82(a)	
*	42 Pentafluorobenzene	168	9.889	9.890	(1.000)	387929	50.0000		
	43 Cyclohexane	56	8.726	8.727	(0.882)	7044	1.00000	0.86(a)	
	44 Ethyl Methacrylate	69	12.923	12.924	(1.225)	2949	1.00000	0.63(a)	
$	45 1,2-Dichloroethane-D4	65	9.924	9.925	(1.004)	4193	1.00000	0.86(a)	
	46 Tertiary-amyl methyl ether	73	9.935	9.936	(1.005)	8224	1.00000	0.87(a)	
	47 1,2-Dichloroethane	62	10.017	10.018	(0.949)	5891	1.00000	0.91(a)	
	48 Trichloroethene	95	10.505	10.506	(0.996)	4579	1.00000	0.92(a)	
*	49 1,4-Difluorobenzene	114	10.551	10.552	(1.000)	545103	50.0000		
	50 Dibromomethane	93	10.981	10.982	(1.041)	3525	1.00000	1.1	
	51 1,2-Dichloropropane	63	11.098	11.099	(1.052)	4276	1.00000	0.99(aM)	M6
	52 Bromodichloromethane	83	11.179	11.180	(1.059)	4786	1.00000	0.72(aM)	M6
	53 cis-1,3-dichloropropene	75	11.911	11.912	(1.129)	5988	1.00000	0.82(a)	
	54 1,4-Dioxane	88	11.423	11.412	(1.083)	468	20.0000	14.9(a)	
$	55 Toluene-D8	98	12.144	12.145	(1.151)	12893	1.00000	0.90(a)	
	56 2-Chloroethylvinylether	63	11.853	11.843	(1.123)	833	1.00000	(aM)	M6
	57 Toluene	92	12.213	12.214	(1.158)	10552	1.00000	0.94(a)	
	58 4-methyl-2-pentanone	43	12.678	12.679	(1.202)	12592	5.00000	2.1(a)	
	59 Tetrachloroethene	164	12.690	12.691	(0.900)	4330	1.00000	0.80(a)	
	60 trans-1,3-Dichloropropene	75	12.725	12.726	(1.206)	5063	1.00000	0.89(a)	
	61 1,1,2-Trichloroethane	83	12.923	12.924	(1.225)	2517	1.00000	0.90(a)	
	62 Dibromochloromethane	129	13.143	13.144	(0.932)	3769	1.00000	6.2	
	63 1,3-Dichloropropane	76	13.260	13.261	(0.941)	5277	1.00000	0.69(a)	
	64 1,2-Dibromoethane	107	13.446	13.447	(1.274)	4095	1.00000	0.96(aM)	M6
	65 2-Hexanone	43	13.725	13.726	(0.974)	8229	5.00000	3.4(a)	
*	66 Chlorobenzene-D5	117	14.097	14.098	(1.000)	473648	50.0000		
	67 Chlorobenzene	112	14.120	14.121	(1.002)	13025	1.00000	0.92(a)	
	68 1-Chlorohexane	91	14.085	14.086	(0.999)	7492	1.00000	0.92(a)	
	69 Ethylbenzene	106	14.155	14.156	(1.004)	6096	1.00000	0.81(a)	
	70 1,1,1,2-Tetrachloroethane	131	14.201	14.202	(1.007)	3390	1.00000	4.6	
M	71 Xylenes (total)	106				22401	1.00000	(a)	
	72 m+p-Xylenes	106	14.341	14.342	(1.017)	15427	2.00000	1.8(a)	
	73 o-Xylene	106	14.910	14.911	(1.058)	6974	1.00000	0.78(a)	
	74 Styrene	104	14.968	14.981	(1.062)	11541	1.00000	0.78(a)	
	75 Bromoform	173	15.015	15.016	(1.065)	2430	1.00000	5.5(T)	
	76 Isopropylbenzene	105	15.329	15.330	(0.888)	16632	1.00000	0.89(a)	
$	77 P-Bromofluorobenzene	95	15.712	15.713	(1.489)	6550	1.00000	1.2	
	78 cis-1,4-Dichloro-2-Butene	53	15.782	15.783	(0.914)	587	1.00000	3.6	

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2297.D
Report Date: 31-May-2011 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 trans-1,4-Dichloro-2-Butene	53	16.212	16.225	(0.939)	539	1.00000	3.0	
80 Bromobenzene	156	15.863	15.864	(0.919)	5925	1.00000	1.00	
81 N-Propylbenzene	91	15.887	15.888	(0.920)	21477	1.00000	0.93(a)	
82 1,1,2,2-Tetrachloroethane	83	15.968	15.969	(0.925)	3698	1.00000	0.91(a)	
83 1,3,5-Trimethylbenzene	105	16.154	16.155	(0.935)	15946	1.00000	0.96(a)	
84 2-Chlorotoluene	91	16.108	16.109	(0.933)	14749	1.00000	1.0	
85 1,2,3-Trichloropropane	75	16.166	16.167	(0.936)	2567	1.00000	0.87(a)	
86 4-Chlorotoluene	91	16.340	16.341	(0.946)	14864	1.00000	1.0	
87 tert-Butylbenzene	119	16.607	16.608	(0.962)	15794	1.00000	0.92(a)	
88 Pentachloroethane	117	16.631	16.632	(0.963)	3263	1.00000	0.91(a)	
89 1,2,4-Trimethylbenzene	105	16.700	16.701	(0.967)	16268	1.00000	0.98(a)	
90 P-Isopropyltoluene	119	17.061	17.062	(0.988)	15183	1.00000	0.88(a)	
91 1,3-Dichlorobenzene	146	17.177	17.178	(0.995)	10505	1.00000	1.0	
* 92 1,4-Dichlorobenzene-D4	152	17.270	17.283	(1.000)	238580	50.0000		
93 1,4-Dichlorobenzene	146	17.293	17.306	(1.001)	11316	1.00000	1.2	
94 N-Butylbenzene	91	17.665	17.666	(1.023)	11321	1.00000	0.76(a)	
95 sec-Butylbenzene	105	16.852	16.864	(0.976)	20801	1.00000	0.95(a)	
96 1,2-Dichlorobenzene	146	17.909	17.910	(1.037)	9360	1.00000	1.0	
97 1,2-Dibromo-3-Chloropropane	75	19.095	19.096	(1.106)	456	1.00000	0.76(a)	
98 1,3,5-Trichlorobenzene	180	19.153	19.154	(1.109)	6913	1.00000	0.94(a)	
99 Hexachlorobutadiene	225	20.095	20.096	(1.164)	3666	1.00000	1.0	
100 1,2,4-Trichlorobenzene	180	20.130	20.131	(1.166)	2875	1.00000	(a)	
101 1,2,3-Trimethylbenzene	105	17.328	17.329	(1.003)	15225	1.00000	0.98(a)	
102 Naphthalene	128	20.641	20.642	(1.195)	2154	1.00000	1.6	
103 1,2,3-Trichlorobenzene	180	20.932	20.921	(1.212)	2431	1.00000	(a)	
104 Methyl Acetate	43	5.902	5.891	(0.597)	3020	1.00000	0.89(a)	
105 Methylcyclohexane	83	10.493	10.494	(1.061)	6762	1.00000	0.81(a)	
M 106 Total Alkylbenzenes	100				116790	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-t.i\T052411B.b\T2297.D
Report Date: 31-May-2011 09:29

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2297.D
Lab Smp Id: VSTD001T24A
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 24-MAY-2011
Calibration Time: 13:06

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

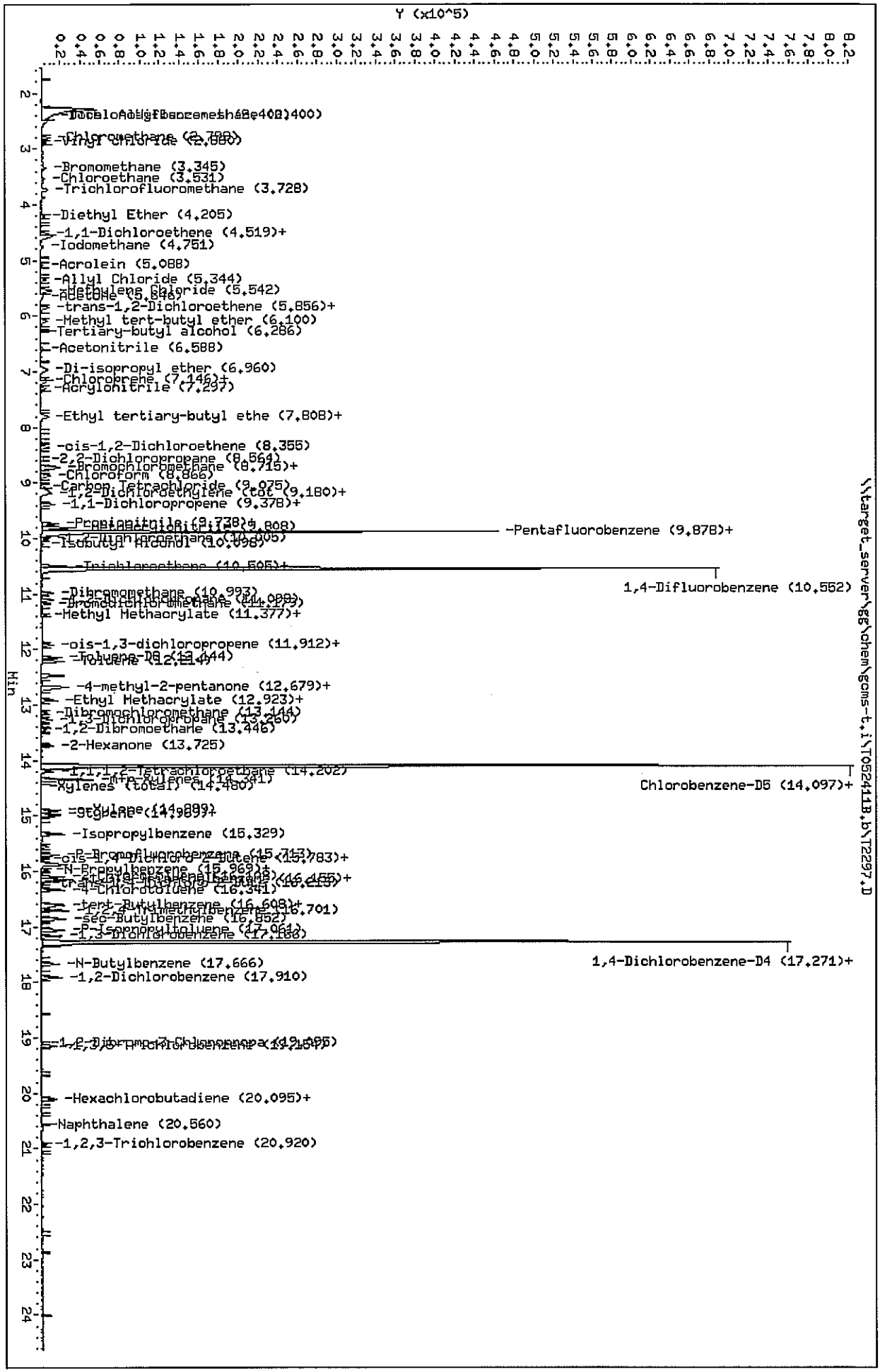
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	387929	-5.27
49 1,4-Difluorobenze	637773	318887	1275546	545103	-14.53
66 Chlorobenzene-D5	477924	238962	955848	473648	-0.89
92 1,4-Dichlorobenze	274556	137278	549112	238580	-13.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.89	-0.00
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.00
66 Chlorobenzene-D5	14.10	13.60	14.60	14.10	-0.00
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\gcms-t.i\T052411B.b\T2297.D
Date : 24-MAY-2011 16:10
Client ID:
Sample Info: VSTD001T24A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: DWH
Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 31-May-2011 09:29

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: IND CHECK
Level: LOW
Data Type: MS DATA
SpikeList File: IND_CHECK4.1.spk
Sublist File: all.sub
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: SW846 8260B

Client SDG: SDGa02236
Fraction: VOA

Operator: DWM
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.0	66.7	133.34*	80-120
	2 Chloromethane	50.0	54.4	108.77	80-120
	3 Vinyl chloride	50.0	55.0	110.12	80-120
	4 Bromomethane	50.0	49.0	98.04	80-120
	5 Chloroethane	50.0	56.6	113.20	80-120
	6 Trichlorofluoromet	50.0	49.8	99.56	80-120
	7 Diethyl Ether	50.0	44.4	88.81	80-120
	8 Tertiary-butyl alc	250	208	83.40	80-120
	9 1,1-Dichloroethene	50.0	50.5	101.01	80-120
	10 Carbon Disulfide	50.0	45.4	90.87	80-120
	11 Freon-113	50.0	42.9	85.81	80-120
	12 Iodomethane	50.0	47.1	94.24	80-120
	13 Acrolein	250	233	93.14	80-120
	14 Methylene Chloride	50.0	51.1	102.18	80-120
	15 Acetone	50.0	57.0	114.12	80-120
	16 Isobutyl Alcohol	1000	923	92.29	80-120
	17 trans-1,2-Dichloro	50.0	48.7	97.33	80-120
	18 Allyl Chloride	50.0	44.4	88.83	80-120
	19 Methyl tert-butyl	100	90.5	90.49	80-120
	20 Acetonitrile	500	442	88.43	80-120
	21 Di-isopropyl ether	50.0	46.7	93.45	80-120
	22 Chloroprene	50.0	43.6	87.27	80-120
	23 Propionitrile	500	440	87.93	80-120
	24 Methacrylonitrile	500	453	90.69	80-120
	25 1,1-Dichloroethane	50.0	49.2	98.36	80-120
	26 Acrylonitrile	250	219	87.52	80-120
	27 Ethyl tertiary-but	50.0	43.9	87.80	80-120
	28 Vinyl Acetate	50.0	50.6	101.20	80-120
	29 cis-1,2-Dichloroet	50.0	47.8	95.65	80-120
M	30 1,2-Dichloroethyle	100	96.5	96.49	80-120
	31 Methyl Methacrylat	50.0	45.6	91.24	80-120
	32 2,2-Dichloropropan	50.0	41.6	83.25	80-120
	33 Bromochloromethane	50.0	46.7	93.47	80-120
	34 Chloroform	50.0	49.3	98.63	80-120
	35 Carbon Tetrachlori	50.0	47.0	93.95	80-120
	36 Tetrahydrofuran	50.0	50.4	100.91	80-120
	38 1,1,1-Trichloroeth	50.0	47.3	94.55	80-120
	39 1,1-Dichloropropen	50.0	50.8	101.58	80-120
	40 2-Butanone	50.0	54.4	108.90	80-120
	41 Benzene	50.0	49.8	99.59	80-120

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 31-May-2011 09:29

	SPIKE	COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	43	Cyclohexane	50.0	48.3	96.61	80-120
	44	Ethyl Methacrylate	50.0	42.6	85.30	80-120
	46	Tertiary-amyl meth	50.0	45.4	90.92	80-120
	47	1,2-Dichloroethane	50.0	47.5	94.99	80-120
	48	Trichloroethene	50.0	48.1	96.20	80-120
	50	Dibromomethane	50.0	48.8	97.61	80-120
	51	1,2-Dichloropropan	50.0	50.0	100.07	80-120
	52	Bromodichlorometha	50.0	51.0	102.00	80-120
	53	cis-1,3-dichloropr	50.0	51.1	102.17	80-120
	54	1,4-Dioxane	1000	780	77.99*	80-120
	56	2-Chloroethylvinyl	50.0	53.2	106.37	80-120
	57	Toluene	50.0	48.4	96.85	80-120
	58	4-methyl-2-pentano	50.0	47.3	94.56	80-120
	59	Tetrachloroethene	50.0	49.7	99.44	80-120
	60	trans-1,3-Dichloro	50.0	54.4	108.88	80-120
	61	1,1,2-Trichloroeth	50.0	50.8	101.54	80-120
	62	Dibromochlorometha	50.0	43.2	86.49	80-120
	63	1,3-Dichloropropan	50.0	49.1	98.23	80-120
	64	1,2-Dibromoethane	50.0	49.1	98.23	80-120
	65	2-Hexanone	50.0	52.5	105.07	80-120
	67	Chlorobenzene	50.0	46.6	93.17	80-120
	68	1-Chlorohexane	50.0	44.9	89.76	80-120
	69	Ethylbenzene	50.0	47.0	93.98	80-120
	70	1,1,1,2-Tetrachlor	50.0	44.2	88.36	80-120
M	71	Xylenes (total)	150	140	93.11	80-120
	72	m+p-Xylenes	100	91.7	91.75	80-120
	73	o-Xylene	50.0	47.9	95.85	80-120
	74	Styrene	50.0	47.7	95.46	80-120
	75	Bromoform	50.0	42.8	85.54	80-120
	76	Isopropylbenzene	50.0	52.0	103.96	80-120
	78	cis-1,4-Dichloro-2	50.0	40.0	79.94*	80-120
	79	trans-1,4-Dichloro	50.0	39.0	77.94*	80-120
	80	Bromobenzene	50.0	45.8	91.58	80-120
	81	N-Propylbenzene	50.0	46.4	92.76	80-120
	82	1,1,2,2-Tetrachlor	50.0	46.9	93.74	80-120
	83	1,3,5-Trimethylben	50.0	44.8	89.62	80-120
	84	2-Chlorotoluene	50.0	45.4	90.86	80-120
	85	1,2,3-Trichloropro	50.0	49.5	98.96	80-120
	86	4-Chlorotoluene	50.0	46.0	92.12	80-120
	87	tert-Butylbenzene	50.0	45.6	91.20	80-120
	88	Pentachloroethane	50.0	43.1	86.19	80-120
	89	1,2,4-Trimethylben	50.0	45.9	91.87	80-120
	90	P-Isopropyltoluene	50.0	48.4	96.88	80-120
	91	1,3-Dichlorobenzen	50.0	45.7	91.45	80-120
	93	1,4-Dichlorobenzen	50.0	45.0	89.93	80-120
	94	N-Butylbenzene	50.0	47.8	95.64	80-120
	95	sec-Butylbenzene	50.0	45.1	90.17	80-120
	96	1,2-Dichlorobenzen	50.0	45.3	90.56	80-120
	97	1,2-Dibromo-3-Chlo	50.0	47.9	95.74	80-120
	98	1,3,5-Trichloroben	50.0	41.9	83.90	80-120
	99	Hexachlorobutadien	50.0	42.7	85.34	80-120
	100	1,2,4-Trichloroben	50.0	48.9	97.76	80-120
	101	1,2,3-Trimethylben	50.0	42.6	85.15	80-120
	102	Naphthalene	50.0	44.4	88.77	80-120

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298A.D
Report Date: 31-May-2011 09:29

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
103 1,2,3-Trichloroben	50.0	47.8	95.69	80-120
104 Methyl Acetate	50.0	46.1	92.20	80-120
105 Methylcyclohexane	50.0	40.6	81.29	80-120
M 106 Total Alkylbenzene	350	324	92.59	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/l	AMOUNT RECOVERED ug/l	% RECOVERED	LIMITS
$ 37 Dibromofluorometha	50.0	42.2	84.33	68-128
$ 45 1,2-Dichloroethane	50.0	40.2	80.38	67-135
$ 55 Toluene-D8	50.0	41.3	82.60	65-128
$ 77 P-Bromofluorobenze	50.0	38.8	77.57	56-133

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-2
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: SW846 5030
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	0.50	ug/L	1	5	5.0	0.26	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chlorobenzene	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chloroform	U	0.50	ug/L	1	5	5.0	0.32	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	5	5.0	0.20	0.50
1,1-Dichloroethene	U	0.50	ug/L	1	5	5.0	0.35	0.50
2-Butanone	U	2.5	ug/L	1	15	15.	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	5	5.0	0.40	0.50
Trichloroethene	U	0.50	ug/L	1	5	5.0	0.28	0.50
Vinyl Chloride	U	1.0	ug/L	1	5	5.0	0.25	1.0
1,2-Dichloroethane-D4		102.	%					
Toluene-D8		110.	%					
p-Bromofluorobenzene		102.	%					
Dibromofluoromethane		105.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300B.D
Report Date: 25-May-2011 18:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300B.D
Lab Smp Id: WG91953-2 Client Smp ID: WG91953-Blank
Inj Date : 24-MAY-2011 19:13 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-2,SE2818
Misc Info : WG91953,T2292,SE2818-6
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.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
$ 37 Dibromofluoromethane	113	9.145	9.169	(0.927)	255965	52.6873	52.7	
$ 45 1,2-Dichloroethane-D4	65	9.901	9.925	(1.004)	217590	50.9640	51.0	
$ 55 Toluene-D8	98	12.133	12.145	(1.151)	720016	54.7840	54.8	
$ 77 P-Bromofluorobenzene	95	15.690	15.713	(1.489)	277324	51.0910	51.1	
* 42 Pentafluorobenzene	168	9.866	9.890	(1.000)	349701	50.0000		
* 49 1,4-Difluorobenzene	114	10.540	10.552	(1.000)	508528	50.0000		
* 66 Chlorobenzene-D5	117	14.085	14.098	(1.000)	429238	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.259	17.283	(1.000)	220386	50.0000		

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2300B.D
Report Date: 25-May-2011 18:06

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2300B.D
Lab Smp Id: WG91953-2
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-6

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: WG91953-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

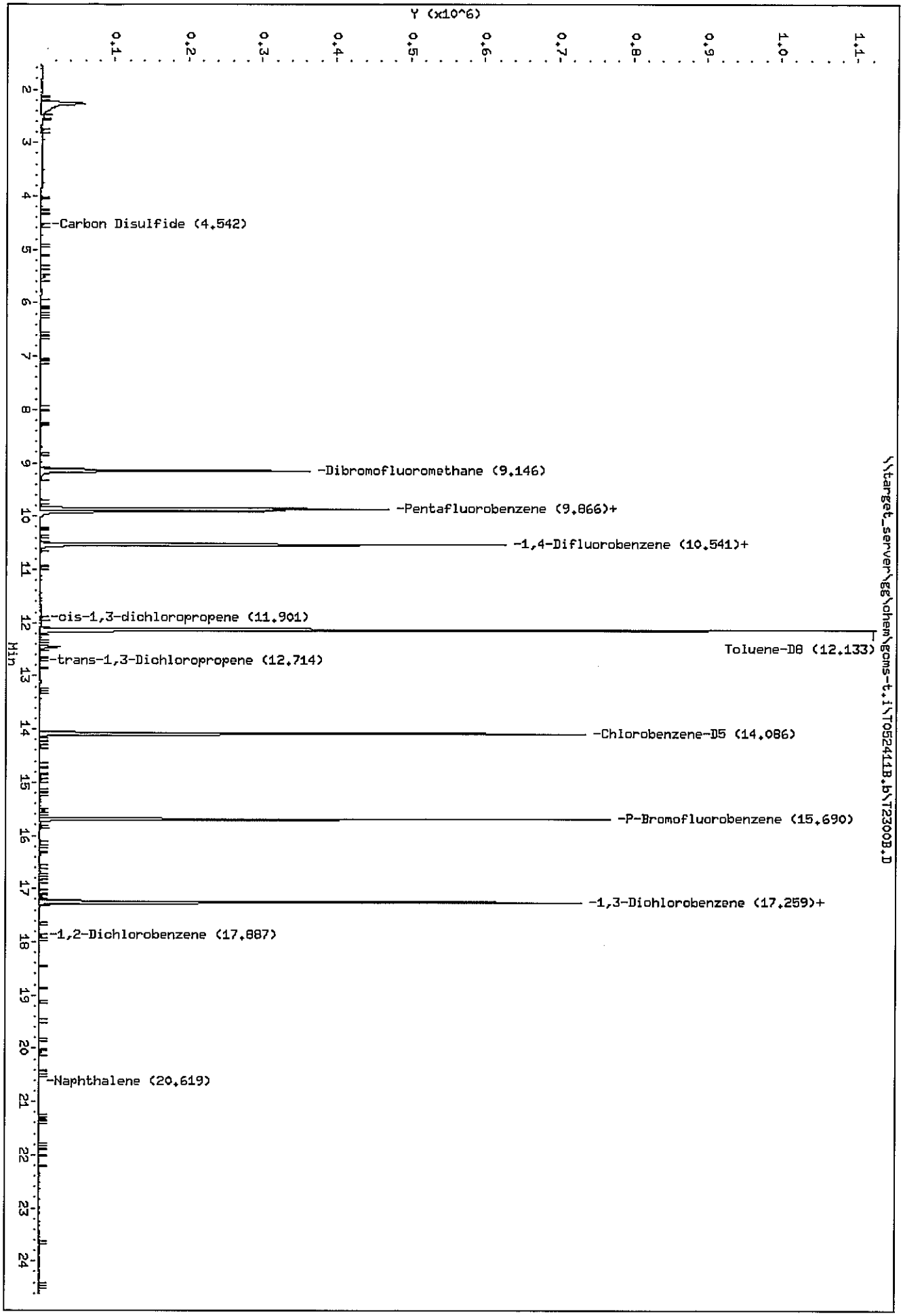
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	349701	-14.61
49 1,4-Difluorobenze	637773	318887	1275546	508528	-20.27
66 Chlorobenzene-D5	477924	238962	955848	429238	-10.19
92 1,4-Dichlorobenze	274556	137278	549112	220386	-19.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.24
49 1,4-Difluorobenze	10.55	10.05	11.05	10.54	-0.11
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.08
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% 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-t.i\T052411B.b\T2300B.D
Date : 24-MAY-2011 19:13
Client ID: WG91953-Blank
Sample Info: WG91953-2,SE2818

Instrument: gcms-t.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91953-5
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date:
Extract Date: 24-MAY-11
Extracted By: DWM
Extraction Method: 5030/1311
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Benzene	U	0.50	ug/L	1	5	5.0	0.26	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	5	5.0	0.22	0.50
Chlorobenzene	J	2.0	ug/L	1	5	5.0	0.22	0.50
Chloroform	U	0.50	ug/L	1	5	5.0	0.32	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	5	5.0	0.20	0.50
1,1-Dichloroethene	U	0.50	ug/L	1	5	5.0	0.35	0.50
2-Butanone	U	2.5	ug/L	1	15	15.	1.3	2.5
Tetrachloroethene	U	0.50	ug/L	1	5	5.0	0.40	0.50
Trichloroethene	U	0.50	ug/L	1	5	5.0	0.28	0.50
Vinyl Chloride	U	1.0	ug/L	1	5	5.0	0.25	1.0
1,2-Dichloroethane-D4		103.	%					
Toluene-D8		98.7	%					
p-Bromofluorobenzene		95.1	%					
Dibromofluoromethane		101.	%					

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2301.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2301.D
Lab Smp Id: WG91953-5 Client Smp ID: WG91953-TclpBlank
Inj Date : 24-MAY-2011 19:46 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-5,SE2818
Misc Info : WG91953,T2292,SE2818-6
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 10 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.sub
Target Version: 4.12
Processing Host: D2400TARGET-1

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
67 Chlorobenzene	112	14.114	14.121	(1.002)	24996	2.02023	2.0(a)	
$ 37 Dibromofluoromethane	113	9.150	9.169	(0.927)	237109	50.3585	50.4	
$ 45 1,2-Dichloroethane-D4	65	9.906	9.925	(1.004)	213845	51.6801	51.7	
$ 55 Toluene-D8	98	12.138	12.145	(1.152)	659490	49.3519	49.4	
$ 77 P-Bromofluorobenzene	95	15.695	15.713	(1.490)	262327	47.5318	47.5	
* 42 Pentafluorobenzene	168	9.871	9.890	(1.000)	338920	50.0000		
* 49 1,4-Difluorobenzene	114	10.534	10.552	(1.000)	517048	50.0000		
* 66 Chlorobenzene-D5	117	14.091	14.098	(1.000)	421763	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.264	17.283	(1.000)	232200	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\T052411B.b\T2301.D
Report Date: 25-May-2011 18:07

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2301.D
Lab Smp Id: WG91953-5
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-6

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: WG91953-TclpBlan
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

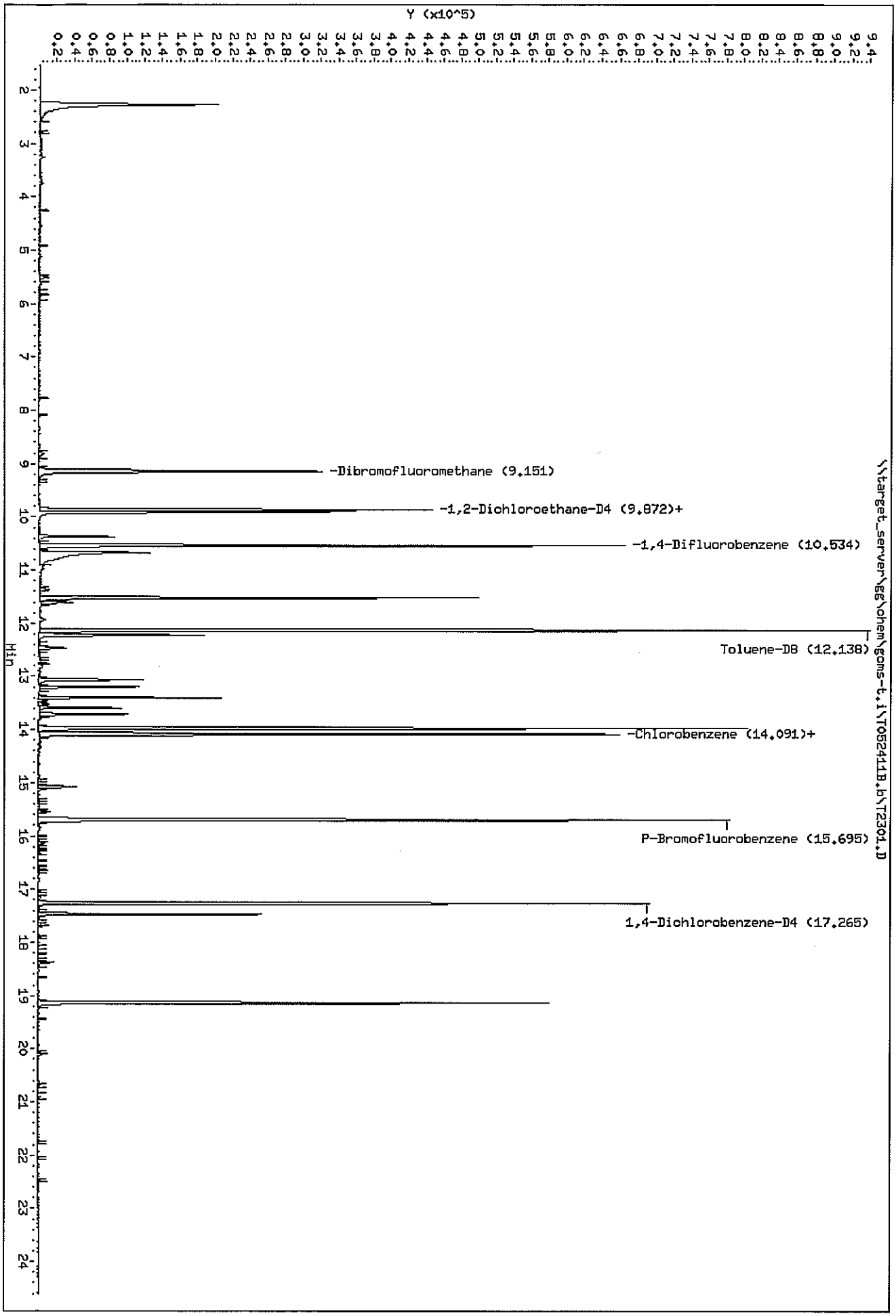
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	338920	-17.24
49 1,4-Difluorobenze	637773	318887	1275546	517048	-18.93
66 Chlorobenzene-D5	477924	238962	955848	421763	-11.75
92 1,4-Dichlorobenze	274556	137278	549112	232200	-15.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.87	-0.18
49 1,4-Difluorobenze	10.55	10.05	11.05	10.53	-0.17
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.05
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.26	-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\gg\chem\goms-t.i\T052411B.b\T2301.D
Date : 24-MAY-2011 19:46
Client ID: WG91953-TolpBlank
Sample Info: WG91953-5,SE2818

Instrument: goms-t.i



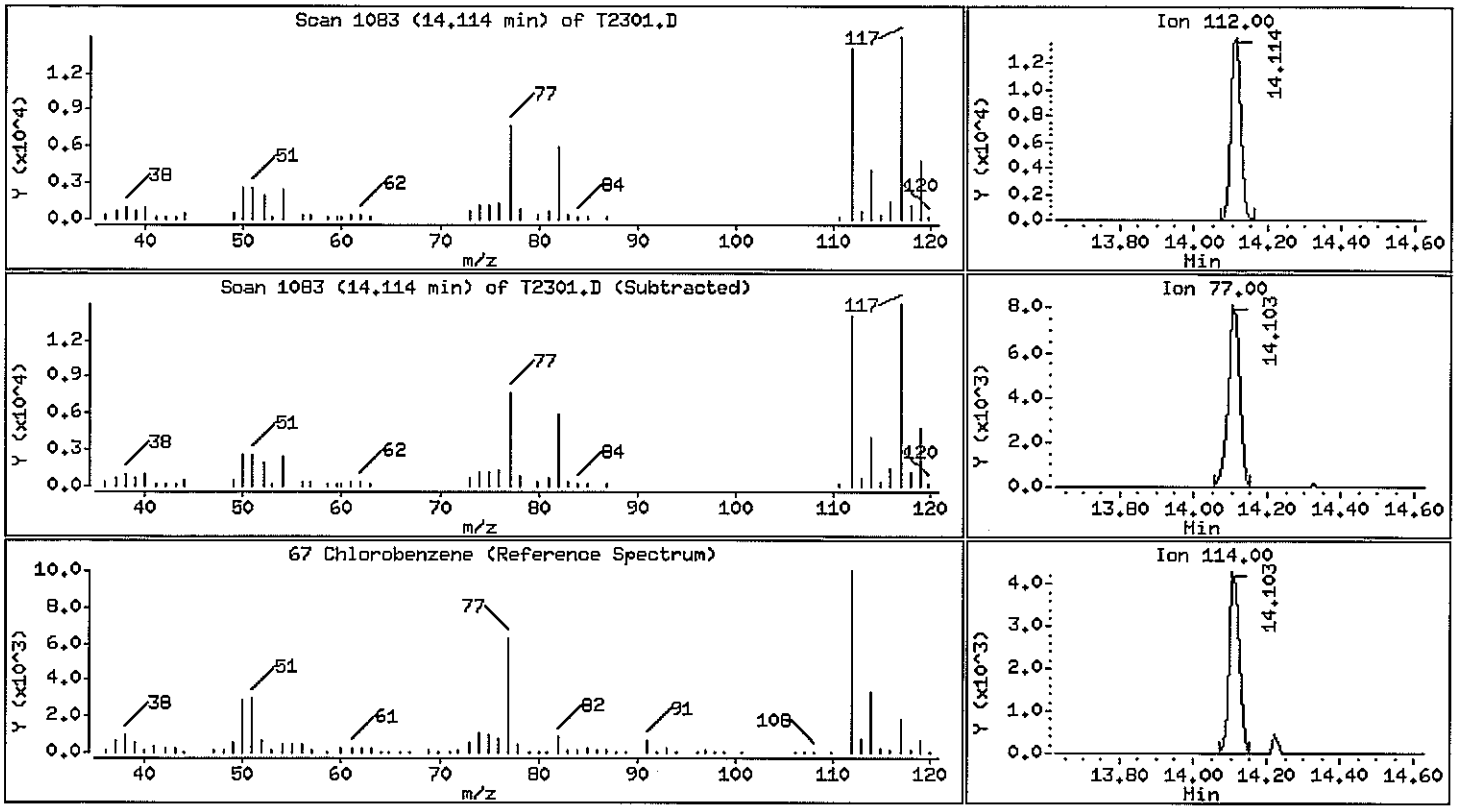
Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2301.D

Date : 24-MAY-2011 19:46

Client ID: WG91953-TolpBlank Instrument: gcms-t.i

Sample Info: WG91953-5,SE2818

67 Chlorobenzene Concentration: 2.0 ug/l



Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91953-1
Client ID: LCS
Project:
SDG: SE2818

Sample Date:
Received Date: 25-MAY-11
Extract Date:
Extracted By: DWM
Extraction Method: SW846 8260B
Lab Prep Batch: WG91953

Analysis Date: 24-MAY-11
Analyst: DWM
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 25-MAY-11

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Benzene	99.6	50.0	49.8	ug/L	80-120
Carbon Tetrachloride	94.0	50.0	47.0	ug/L	65-140
Chlorobenzene	93.2	50.0	46.6	ug/L	80-120
Chloroform	98.6	50.0	49.3	ug/L	65-135
1,2-Dichloroethane	95.0	50.0	47.5	ug/L	70-130
1,1-Dichloroethene	101.	50.0	50.5	ug/L	70-130
2-Butanone	109.	50.0	54.4	ug/L	30-150
Tetrachloroethene	99.4	50.0	49.7	ug/L	45-150
Trichloroethene	96.2	50.0	48.1	ug/L	70-125
Vinyl Chloride	110.	50.0	55.0	ug/L	50-145
1,2-Dichloroethane-D4	80.4				70-120
Toluene-D8	* 82.6				85-120
p-Bromofluorobenzene	77.6				75-120
Dibromofluoromethane	* 84.3				85-115

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Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298B.D
Report Date: 25-May-2011 18:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298B.D
Lab Smp Id: WG91953-1 Client Smp ID: WG91953-LCS
Inj Date : 24-MAY-2011 17:55 MS Autotune Date: 29-SEP-2009 13:45
Operator : DWM Inst ID: gcms-t.i
Smp Info : WG91953-1,SE2818
Misc Info : WG91953,T2292,SE2818-6
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Meth Date : 24-May-2011 17:25 djpaul Quant Type: ISTD
Cal Date : 24-MAY-2011 16:10 Cal File: T2297.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCLP-SW8260DoD.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
41 Benzene	78	9.732	9.739	(0.923)	985460	49.7955	49.8	
35 Carbon Tetrachloride	117	9.070	9.076	(0.860)	330124	46.9743	47.0	
67 Chlorobenzene	112	14.114	14.121	(1.002)	664018	46.5858	46.6	
34 Chloroform	83	8.872	8.878	(0.898)	511284	49.3150	49.3	
47 1,2-Dichloroethane	62	10.011	10.018	(0.949)	350175	47.4944	47.5	
9 1,1-Dichloroethene	96	4.513	4.519	(0.457)	303885	50.5052	50.5	
40 2-Butanone	43	9.360	9.367	(0.947)	97767	54.4487	54.4	
59 Tetrachloroethene	164	12.685	12.691	(0.900)	265500	49.7179	49.7	
48 Trichloroethene	95	10.499	10.506	(0.996)	273292	48.1017	48.1	
3 Vinyl chloride	62	2.874	2.880	(0.291)	378424	55.0580	55.0	
$ 37 Dibromofluoromethane	113	9.163	9.169	(0.927)	244531	42.1669	42.2(R)	
$ 45 1,2-Dichloroethane-D4	65	9.918	9.925	(1.004)	204816	40.1884	40.2	
$ 55 Toluene-D8	98	12.138	12.145	(1.151)	671347	41.3017	41.3(R)	
$ 77 P-Bromofluorobenzene	95	15.707	15.713	(1.489)	260358	38.7827	38.8	
* 42 Pentafluorobenzene	168	9.883	9.890	(1.000)	417431	50.0000		
* 49 1,4-Difluorobenzene	114	10.546	10.552	(1.000)	628934	50.0000		
* 66 Chlorobenzene-D5	117	14.091	14.098	(1.000)	485875	50.0000		
* 92 1,4-Dichlorobenzene-D4	152	17.265	17.283	(1.000)	272425	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T2298B.D
Report Date: 25-May-2011 18:06

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T2298B.D
Lab Smp Id: WG91953-1
Analysis Type: VOA
Quant Type: ISTD
Operator: DWM
Method File: \\target_server\gg\chem\gcms-t.i\T052411B.b\T826a80.m
Misc Info: WG91953,T2292,SE2818-6

Calibration Date: 24-MAY-2011
Calibration Time: 13:06
Client Smp ID: WG91953-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

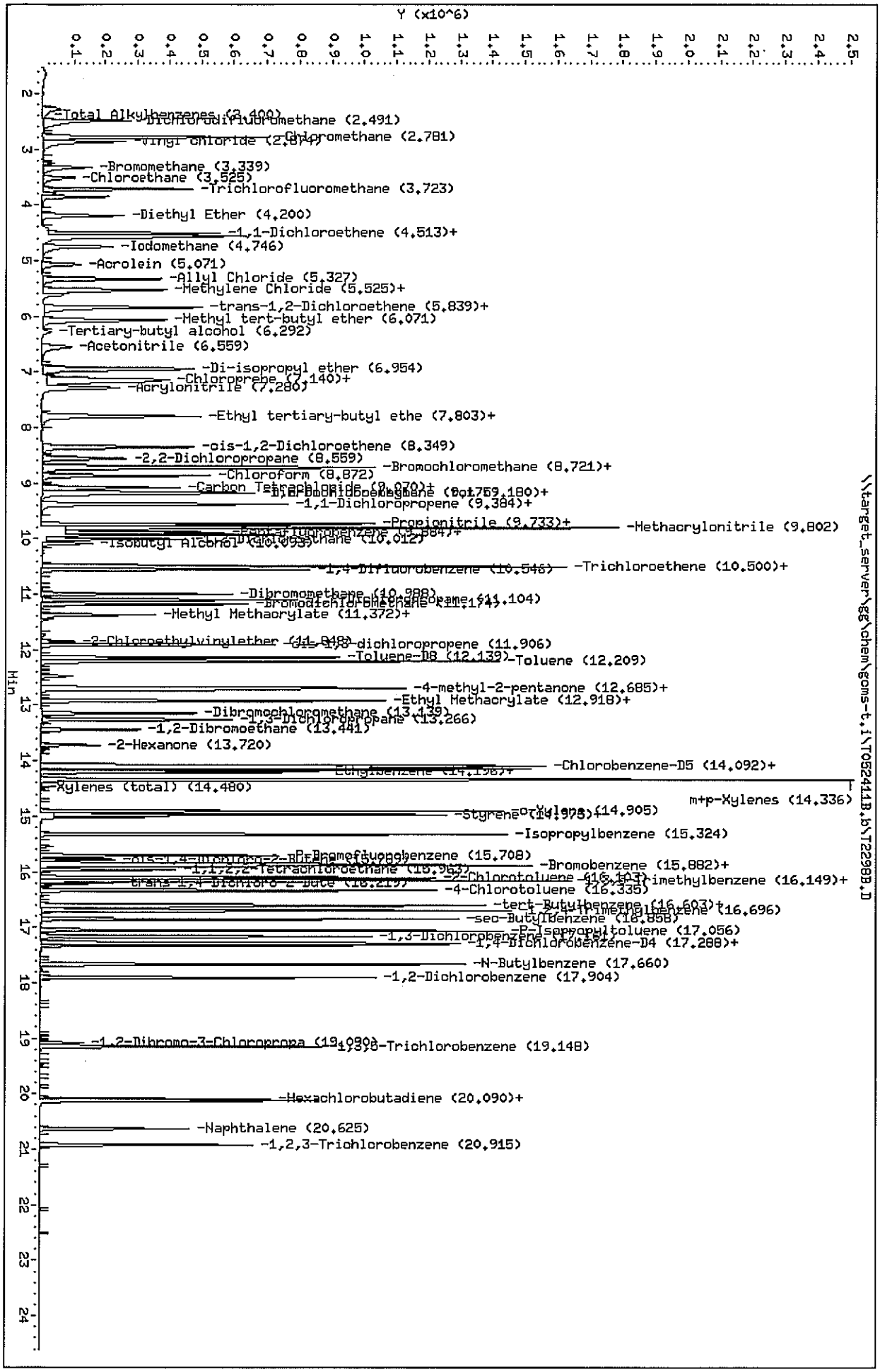
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	409515	204758	819030	417431	1.93
49 1,4-Difluorobenze	637773	318887	1275546	628934	-1.39
66 Chlorobenzene-D5	477924	238962	955848	485875	1.66
92 1,4-Dichlorobenze	274556	137278	549112	272425	-0.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.89	9.39	10.39	9.88	-0.06
49 1,4-Difluorobenze	10.55	10.05	11.05	10.55	-0.06
66 Chlorobenzene-D5	14.10	13.60	14.60	14.09	-0.04
92 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-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\gg\chem\goms-t.i\T052411B.b\T2298B.D
Date : 24-MAY-2011 17:55
Client ID: WG91953-LCS
Sample Info: WG91953-1.SE2818
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: goms-t.i
Operator: DWM
Column diameter: 0.18



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC.
VOLATILE TCLP EXTRACTION BENCH SHEET FOR TCLP Blank -23

Dry Weight Determination 100% X <0.5%_____ %Wet Solids_____

_____Refer to non-volatile TCLP extraction sheet, page #_____ for _____-_____

Sample description: dried sand Homogeneous X Non-homogeneous_____

1)	Weight Container 1 + Residue	_____g	7)	Weight of Filter	_____g
2)	Weight Container 1 + Waste	_____g	8)	Wt of Filter and Wet Solid	_____g
3)	Weight of Waste ((2) - (1))	_____g	9)	Wt of Wet Solid Phase ((8) - (7))	_____g
4)	Weight of Container 2	_____g	10)	%Wet Solids (100*(9)/(3))	_____
5)	Weight of Container 2 and Filtrate	_____g	11)	Wt of Filter + Solid Phase Dry	_____g
6)	Wt(g)/Vol(mL) of Filtrate ((5) - (4))	___/___	12)	Wt of Solid Phase Dry ((11) - (7))	_____g
			13)	%Dry Solids (100*(12)/(3))	_____

Analyst DJP Date 052311

Extraction Fluid Preparation and pH Check Fluid #1 Prepared Today_____ (Complete Prep Info Below)

Date prepared (if previously prepared) _____ Refer to Prep Info on Page metals prep

_____mL glacial acetic acid, manuf./lot #_____, added to 500 mL reagent water; _____mL ____N NaOH, manuf./lot #_____ added, then solution diluted to 1 L with reagent water.

Analyst DJP Date 5·23·11 pH of Fluid Today 4.91 Extraction Fluid Batch # 1010

Extract Use Filter Paper Lot #: 9440501

____ <0.5% Solids (Filter adequate sample volume) _____mL Filtered.

____ 100% Solids

10 g of Waste added to 200 mL of fluid (fluid volume = 20 times wt of solid sample)

____ Free Liquid present (See Equation A for amount of waste to filter)

(A) X = Desired weight of solid phase on filter * 100/ (%Wet Solid)

1)	Weight Container 1 + Waste		_____g
2)	Weight Container 1 + Residue		_____g
3)	Weight of Waste Charged to ZHE ((1) - (2), or weighed directly into vessel)		_____g
4)	Weight of Pre-extraction Collection Device		_____g
5)	Weight of Device and Filtrate		_____g
6)	Weight ((5) - (4))/Volume (mL) of Filtrate	6a_____/_____6b	
7)	_____g of Solid Phase was added to 8)_____mL of Fluid #1.		
	((3) - (6a)) (20 * (7a))		

Pressure before Tumbling 40 Pressure after Tumbling: 40

Time Started Tumbling 1700 Time Stopped 1030 Hours Extracted 17.5

Room Temp @ Start 21.9 Room Temp @ End 22.3

Was pre-extracted filtrate recombined with extract _____YES _____NO

If "NO" enter volume of filtrate (6) _____

Amount of Fluid (8) _____

Analyst DJP Date 052411 Rev 6/08

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KATAHDIN ANALYTICAL SERVICES, INC.
VOLATILE TCLP EXTRACTION BENCH SHEET FOR SE2818-6A

Dry Weight Determination 100% X <0.5%_____ %Wet Solids_____

_____Refer to non-volatile TCLP extraction sheet, page #_____ for _____-_____

Sample description: damp sand Homogeneous X Non-homogeneous_____

1)	Weight Container 1 + Residue	_____g	7)	Weight of Filter	_____g
2)	Weight Container 1 + Waste	_____g	8)	Wt of Filter and Wet Solid	_____g
3)	Weight of Waste ((2) - (1))	_____g	9)	Wt of Wet Solid Phase ((8) - (7))	_____g
4)	Weight of Container 2	_____g	10)	%Wet Solids (100*(9)/(3))	_____
5)	Weight of Container 2 and Filtrate	_____g	11)	Wt of Filter + Solid Phase Dry	_____g
6)	Wt(g)/Vol(mL) of Filtrate ((5) - (4))	___/___	12)	Wt of Solid Phase Dry ((11) - (7))	_____g
			13)	%Dry Solids (100*(12)/(3))	_____

Analyst DJP Date 052311

Extraction Fluid Preparation and pH Check Fluid #1 Prepared Today_____ (Complete Prep Info Below)

Date prepared (if previously prepared) _____ Refer to Prep Info on Page metals prep

_____mL glacial acetic acid, manuf./lot #_____, added to 500 mL reagent water; _____mL ____N NaOH, manuf./lot #_____ added, then solution diluted to 1 L with reagent water.

Analyst DJP Date 052311 pH of Fluid Today 4.91 Extraction Fluid Batch # 1010

Extract Use Filter Paper Lot #: 9440501

____ <0.5% Solids (Filter adequate sample volume) _____mL Filtered.

____ 100% Solids

10 g of Waste added to 200 mL of fluid (fluid volume = 20 times wt of solid sample)

____ Free Liquid present (See Equation A for amount of waste to filter)

(A) X = Desired weight of solid phase on filter * 100/ (%Wet Solid)

1)	Weight Container 1 + Waste		_____g
2)	Weight Container 1 + Residue		_____g
3)	Weight of Waste Charged to ZHE ((1) - (2), or weighed directly into vessel)		_____g
4)	Weight of Pre-extraction Collection Device		_____g
5)	Weight of Device and Filtrate		_____g
6)	Weight ((5) - (4))/Volume (mL) of Filtrate	6a_____/_____6b	
7)	_____g of Solid Phase was added to 8)_____mL of Fluid #1. ((3) - (6a)) (20 * (7a))		

Pressure before Tumbling 40 Pressure after Tumbling: 40

Time Started Tumbling 1700 Time Stopped 1030 Hours Extracted 17.5

Room Temp @ Start 21.9 Room Temp @ End 22.5

Was pre-extracted filtrate recombined with extract _____YES _____NO

If "NO" enter volume of filtrate (6) _____

Amount of Fluid (8) _____

Analyst DJP Date 052411 Rev 6/08

KATAHDIN ANALYTICAL SERVICES, INC.
VOLATILE TCLP EXTRACTION BENCH SHEET FOR SE2818-84

Dry Weight Determination 100% X <0.5%_____ %Wet Solids_____

_____Refer to non-volatile TCLP extraction sheet, page #_____ for _____-_____

Sample description: Clamp Sand Homogeneous X Non-homogeneous_____

1)	Weight Container 1 + Residue	_____g	7)	Weight of Filter	_____g
2)	Weight Container 1 + Waste	_____g	8)	Wt of Filter and Wet Solid	_____g
3)	Weight of Waste ((2) - (1))	_____g	9)	Wt of Wet Solid Phase ((8) - (7))	_____g
4)	Weight of Container 2	_____g	10)	%Wet Solids (100*(9)/(3))	_____
5)	Weight of Container 2 and Filtrate	_____g	11)	Wt of Filter + Solid Phase Dry	_____g
6)	Wt(g)/Vol(mL) of Filtrate ((5) - (4))	___/___	12)	Wt of Solid Phase Dry ((11) - (7))	_____g
			13)	%Dry Solids (100*(12)/(3))	_____

Analyst DJP Date 052311

Extraction Fluid Preparation and pH Check Fluid #1 Prepared Today_____ (Complete Prep Info Below)

Date prepared (if previously prepared) _____ Refer to Prep Info on Page metals prep

_____mL glacial acetic acid, manuf./lot #_____, added to 500 mL reagent water; _____mL ____N NaOH, manuf./lot #_____ added, then solution diluted to 1 L with reagent water.

Analyst DJP Date 5.23.11 pH of Fluid Today 4.91 Extraction Fluid Batch # 1010

Extract Use Filter Paper Lot #: 9440501

____ <0.5% Solids (Filter adequate sample volume) _____mL Filtered.

____ 100% Solids

10 g of Waste added to 200 mL of fluid (fluid volume = 20 times wt of solid sample)

____ Free Liquid present (See Equation A for amount of waste to filter)

(A) X = Desired weight of solid phase on filter * 100/ (%Wet Solid)

1)	Weight Container 1 + Waste	_____g
2)	Weight Container 1 + Residue	_____g
3)	Weight of Waste Charged to ZHE ((1) - (2), or weighed directly into vessel)	_____g
4)	Weight of Pre-extraction Collection Device	_____g
5)	Weight of Device and Filtrate	_____g
6)	Weight ((5) - (4))/Volume (mL) of Filtrate	6a_____/_____6b
7)	_____g of Solid Phase was added to 8)_____mL of Fluid #1. ((3) - (6a)) (20 * (7a))	

Pressure before Tumbling 40 Pressure after Tumbling: 40

Time Started Tumbling 1700 Time Stopped 1030 Hours Extracted 17.5

Room Temp @ Start 21.9 Room Temp @ End 22.5

Was pre-extracted filtrate recombined with extract _____YES _____NO

If "NO" enter volume of filtrate (6) _____

Amount of Fluid (8) _____

Analyst DJP Date 052411 Rev 6/08

G

KATAHDIN ANALYTICAL SERVICES, INC.
VOLATILE TCLP EXTRACTION BENCH SHEET FOR SE2818-10A

Dry Weight Determination 100% X <0.5%_____ %Wet Solids_____

_____Refer to non-volatile TCLP extraction sheet, page #_____ for _____-_____

Sample description: damp Sand Homogeneous X Non-homogeneous_____

1)	Weight Container 1 + Residue	_____g	7)	Weight of Filter	_____g
2)	Weight Container 1 + Waste	_____g	8)	Wt of Filter and Wet Solid	_____g
3)	Weight of Waste ((2) - (1))	_____g	9)	Wt of Wet Solid Phase ((8) - (7))	_____g
4)	Weight of Container 2	_____g	10)	%Wet Solids (100*(9)/(3))	_____
5)	Weight of Container 2 and Filtrate	_____g	11)	Wt of Filter + Solid Phase Dry	_____g
6)	Wt(g)/Vol(mL) of Filtrate ((5) - (4))	___/___	12)	Wt of Solid Phase Dry ((11) - (7))	_____g
			13)	%Dry Solids (100*(12)/(3))	_____

Analyst DJP Date 052311

Extraction Fluid Preparation and pH Check Fluid #1 Prepared Today_____ (Complete Prep Info Below)

Date prepared (if previously prepared) _____ Refer to Prep Info on Page metals prep

_____mL glacial acetic acid, manuf./lot #_____, added to 500 mL reagent water; _____mL ____N NaOH, manuf./lot #_____ added, then solution diluted to 1 L with reagent water.

Analyst DJP Date 052311 pH of Fluid Today 4.91 Extraction Fluid Batch # 1010

Extract Use Filter Paper Lot #: 9440501

____ <0.5% Solids (Filter adequate sample volume) _____mL Filtered.

____ 100% Solids

10 g of Waste added to 200 mL of fluid (fluid volume = 20 times wt of solid sample)

____ Free Liquid present (See Equation A for amount of waste to filter)

(A) X = Desired weight of solid phase on filter * 100/ (%Wet Solid)

1)	Weight Container 1 + Waste	_____g
2)	Weight Container 1 + Residue	_____g
3)	Weight of Waste Charged to ZHE ((1) - (2), or weighed directly into vessel)	_____g
4)	Weight of Pre-extraction Collection Device	_____g
5)	Weight of Device and Filtrate	_____g
6)	Weight ((5) - (4))/Volume (mL) of Filtrate	6a_____/_____6b
7)	_____g of Solid Phase was added to 8)_____mL of Fluid #1. ((3) - (6a)) (20 * (7a))	

Pressure before Tumbling 40 Pressure after Tumbling: 41

Time Started Tumbling 1700 Time Stopped 1030 Hours Extracted 17.5

Room Temp @ Start 21.9 Room Temp @ End 22.5

Was pre-extracted filtrate recombined with extract _____YES _____NO

If "NO" enter volume of filtrate (6) _____

Amount of Fluid (8) _____

Analyst DJP Date 052411 Rev 6/08

KATAHDIN ANALYTICAL SERVICES, INC.
VOLATILE TCLP EXTRACTION BENCH SHEET FOR SE2818-12A

Dry Weight Determination 100% 100 <0.5%_____ %Wet Solids_____

_____Refer to non-volatile TCLP extraction sheet, page #_____ for _____-_____

Sample description: damp sand Homogeneous X Non-homogeneous_____

1)	Weight Container 1 + Residue	_____g	7)	Weight of Filter	_____g
2)	Weight Container 1 + Waste	_____g	8)	Wt of Filter and Wet Solid	_____g
3)	Weight of Waste ((2) - (1))	_____g	9)	Wt of Wet Solid Phase ((8) - (7))	_____g
4)	Weight of Container 2	_____g	10)	%Wet Solids (100*(9)/(3))	_____
5)	Weight of Container 2 and Filtrate	_____g	11)	Wt of Filter + Solid Phase Dry	_____g
6)	Wt(g)/Vol(mL) of Filtrate ((5) - (4))	___/___	12)	Wt of Solid Phase Dry ((11) - (7))	_____g
			13)	%Dry Solids (100*(12)/(3))	_____

Analyst DJP Date 052311

Extraction Fluid Preparation and pH Check Fluid #1 Prepared Today_____ (Complete Prep Info Below)

Date prepared (if previously prepared) _____ Refer to Prep Info on Page metals prep

_____mL glacial acetic acid, manuf./lot #_____, added to 500 mL reagent water; _____mL ____N NaOH, manuf./lot #_____ added, then solution diluted to 1 L with reagent water.

Analyst DJP Date 5·23·11 pH of Fluid Today 4.91 Extraction Fluid Batch # 1010

Extract Use Filter Paper Lot #: 9440501

____ <0.5% Solids (Filter adequate sample volume) _____mL Filtered.

____ 100% Solids

10 g of Waste added to 200 mL of fluid (fluid volume = 20 times wt of solid sample)

____ Free Liquid present (See Equation A for amount of waste to filter)

(A) X = Desired weight of solid phase on filter * 100/ (%Wet Solid)

1)	Weight Container 1 + Waste	_____g
2)	Weight Container 1 + Residue	_____g
3)	Weight of Waste Charged to ZHE ((1) - (2), or weighed directly into vessel)	_____g
4)	Weight of Pre-extraction Collection Device	_____g
5)	Weight of Device and Filtrate	_____g
6)	Weight ((5) - (4))/Volume (mL) of Filtrate	6a_____/_____6b
7)	_____g of Solid Phase was added to 8)_____mL of Fluid #1. ((3) - (6a)) (20 * (7a))	

Pressure before Tumbling 40 Pressure after Tumbling: 38

Time Started Tumbling 1700 Time Stopped 1030 Hours Extracted 17.5

Room Temp @ Start 21.9 Room Temp @ End 22.5

Was pre-extracted filtrate recombined with extract _____YES _____NO

If "NO" enter volume of filtrate (6) _____

Amount of Fluid (8) _____

Analyst DJP Date 052411 Rev 6/08

KATAHDIN ANALYTICAL SERVICES

GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 05-24-11B 12:45

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD 5030	5035	1311	Criteria KAS	DoD	QAPP	Y/N	ANALYST	PH	COMMENTS
50 ng BFB	T8266	1	-	V0ab8bAQ							Y	DWM		
VSTD050T23C	T7292	1	1	T8260a79							Y			curve
VSTD200T23A	T7293	1	2	T8260a80							Y			good
100	94	1	3								Y			
020	95	1	4								Y			
005	96	1	5								Y			
001	97	1	6								Y			
LCSA WG91953-1	98	1	7								Y			SSV DOD
UBIKA	99	1	8								N			
B WG91953-2	T2300	1	9								Y			
TCLP Blank 5-23-11 -5	01	1	10								Y			
MEOH Blank WG91953-4	02	1	11								Y			
SE2818-7 DL	03	1	12		X				X		N		50mL	1 SSV DOD, RR 25 µL
-9 DL	04	1	13		X						N		100mL	1 SSV DOD, RR 50 µL
-11 DL	05	1	14		X						Y			200µL
-13 DL	06	1	15		X						Y			100µL
-6 DL	07	20	16				X				Y			2mL → 40
-8 DL	08	20	17				X				Y			
-10 DL	09	20	18				X				Y			
-12 DL	10	20	19				X				Y			12:40
RINSE	11	1	20											
	12	1	21											
	13	1	22											
				DWM 5-25-11										

STANDARD	CODE
BFB	V3687
CAL. STD.	V3738
LCS/MS MIX	V3734
EXTRAS MIX	V3726

STANDARD	CODE
IS MIX	V3716
SS MIX	V3723

Circle Methods:

SW846 8260	OLM 04.2
SW846 8260 SIM	OLC 03.2
SW846 8260 SIM (heated purge)	EPA 624
	EPA 524

VOA-009 - Revision 1 - 03/10/2010

TCLP SEMIVOLATILE DATA

QC Summary Section

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG91918-BLANK	WG91918-1	38	25	56	59	58	70			0
02	WG91918-LCS	WG91918-2	44	28	67	72	73	74			0
03	WG91918-LCSD	WG91918-3	43	27	62	68	67	68			0
04	SITE6-IDW-2117	SE2818-6	40	27	60	60	66	75			0
05	SITE6-IDW-5526	SE2818-8	39	26	58	60	56	69			0
06	SITE6-IDW-782	SE2818-10	40	27	63	68	62	75			0
07	SITE6-IDW-954	SE2818-12	42	27	70	70	70	78			0
08	WG91918-TCLPBLANK	WG91918-6	51	35	70	68	65	73			0
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20-110)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(40-110)
S4 (FBP)	= 2-Fluorobiphenyl	(50-110)
S5 (TBP)	= 2,4,6-Tribromophenol	(40-125)
S6 (TPH)	= Terphenyl-D14	(50-135)

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

WG91918-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: U5836A Lab Sample ID: WG91918-1

Instrument ID: GCMS-U Date Extracted: 05/24/11

Matrix: (soil/water) WATER Date Analyzed: 05/25/11

Level:(low/med) LOW Time Analyzed: 1158

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	WG91918-LCS	WG91918-2	U5837A	05/25/11	1242
02	WG91918-LCSD	WG91918-3	U5838A	05/25/11	1326
03	SITE6-IDW-2117	SE2818-6	U5843	05/25/11	1707
04	SITE6-IDW-5526	SE2818-8	U5844	05/25/11	1752
05	SITE6-IDW-782	SE2818-10	U5845	05/25/11	1836
06	SITE6-IDW-954	SE2818-12	U5846	05/25/11	1920
07	WG91918-TCLPBLANK	WG91918-6	U5847	05/25/11	2004
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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27					
28					
29					
30					

COMMENTS:

FORM IVSV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD576 DFTPP Injection Date: 05/23/11

Instrument ID: GCMS-U DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	37.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	4.0
441	0.0 - 100.0% of mass 443	15.1 (81.9)2
442	40.0 - 100.0% of mass 198	94.1
443	17.0 - 23.0% of mass 442	18.4 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0523	U5802A	05/23/11	1200
02		SSTD010U0523	U5803A	05/23/11	1246
03		SSTD025U0523	U5804A	05/23/11	1330
04		SSTD075U0523	U5805A	05/23/11	1415
05		SSTD100U0523	U5806A	05/23/11	1459
06		SSTD125U0523	U5807A	05/23/11	1543
07		8270C IND CHEC	U5808A	05/23/11	1628
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID: UD578 DFTPP Injection Date: 05/25/11

Instrument ID: GCMS-U DFTPP Injection Time: 1054

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.3 (0.7)1
69	Less than 100.0% of mass 198	37.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	20.5
365	1.0 - 100.0% of mass 198	2.9
441	0.0 - 100.0% of mass 443	10.8 (82.5)2
442	40.0 - 100.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	13.1 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0525	U5835A	05/25/11	1113
02	WG91918-BLANK	WG91918-1	U5836A	05/25/11	1158
03	WG91918-LCS	WG91918-2	U5837A	05/25/11	1242
04	WG91918-LCSD	WG91918-3	U5838A	05/25/11	1326
05	SITE6-IDW-2117	SE2818-6	U5843	05/25/11	1707
06	SITE6-IDW-5526	SE2818-8	U5844	05/25/11	1752
07	SITE6-IDW-782	SE2818-10	U5845	05/25/11	1836
08	SITE6-IDW-954	SE2818-12	U5846	05/25/11	1920
09	WG91918-TCLPBLANK	WG91918-6	U5847	05/25/11	2004
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802A Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		327345	8.76	1261487	11.61	688599	15.76
UPPER LIMIT		654690	9.26	2522974	12.11	1377198	16.26
LOWER LIMIT		163673	8.26	630744	11.11	344300	15.26
CLIENT SAMPLE ID	LAB SAMPLE ID						
01	SSTD050U0525	351292	8.76	1284936	11.60	663785	15.75
02 WG91918-BLANK	WG91918-1	354658	8.76	1316344	11.60	678748	15.75
03 WG91918-LCS	WG91918-2	351602	8.76	1293080	11.60	666074	15.75
04 WG91918-LCSD	WG91918-3	318582	8.76	1160168	11.60	595449	15.75
05 SITE6-IDW-2117	SE2818-6	432357	8.76	1475015	11.60	813251	15.75
06 SITE6-IDW-5526	SE2818-8	395350	8.76	1371290	11.60	721107	15.75
07 SITE6-IDW-782	SE2818-10	450990	8.76	1617418	11.60	846416	15.75
08 SITE6-IDW-954	SE2818-12	415865	8.76	1492223	11.60	773187	15.75
09 WG91918-TCLPBLANK	WG91918-6	418643	8.76	1405329	11.60	780467	15.75
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab File ID (Standard): U5802A Date Analyzed: 05/23/11

Instrument ID: GCMS-U Time Analyzed: 1200

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1066957	19.23	669261	25.53	342377	28.69
UPPER LIMIT	2133914	19.73	1338522	26.03	684754	29.19
LOWER LIMIT	533479	18.73	334631	25.03	171189	28.19

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01		SSTD050U0525	992895	19.22	683033	25.52	454145	28.68
02	WG91918-BLANK	WG91918-1	1121661	19.21	830765	25.51	598975	28.68
03	WG91918-LCS	WG91918-2	1104208	19.21	779052	25.52	518526	28.68
04	WG91918-LCSD	WG91918-3	976623	19.21	682308	25.52	489909	28.68
05	SITE6-IDW-2117	SE2818-6	1292329	19.20	885916	25.52	487930	28.67
06	SITE6-IDW-5526	SE2818-8	1104409	19.21	764628	25.52	496391	28.68
07	SITE6-IDW-782	SE2818-10	1426692	19.21	1026478	25.52	548041	28.68
08	SITE6-IDW-954	SE2818-12	1208262	19.20	789813	25.52	500959	28.68
09	WG91918-TCLPBLANK	WG91918-6	1161913	19.20	808768	25.52	486480	28.68
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		40.4	%					
Phenol-D6		26.6	%					
Nitrobenzene-D5		59.9	%					
2-Fluorobiphenyl		60.2	%					
2,4,6-Tribromophenol		66.6	%					
Terphenyl-D14		75.0	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5843.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5843.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 25-MAY-2011 17:07 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-6
Misc Info : WG91996,WG91918,U5802A
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.318	6.321	(0.721)	464985	40.4288	202	
$ 3 Phenol-D6	99	8.243	8.257	(0.941)	353956	26.6123	133	
* 4 1,4-Dichlorobenzene-D4	152	8.760	8.764	(1.000)	432357	40.0000		
$ 9 Nitrobenzene-D5	82	10.064	10.068	(0.868)	309110	29.9319	150	
* 11 Naphthalene-D8	136	11.596	11.600	(1.000)	1475015	40.0000		
$ 15 2-Fluorobiphenyl	172	14.225	14.239	(0.903)	616377	30.1104	150	
* 16 Acenaphthene-D10	164	15.747	15.750	(1.000)	813251	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.651	17.665	(1.121)	251812	66.5513	333	
* 21 Phenanthrene-D10	188	19.204	19.217	(1.000)	1292329	40.0000		
$ 22 Terphenyl-D14	244	23.126	23.119	(0.906)	662298	37.4761	187	
* 23 Chrysene-D12	240	25.517	25.521	(1.000)	885916	40.0000		
* 24 Perylene-D12	264	28.674	28.677	(1.000)	487930	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5843.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5843.D
Lab Smp Id: SE2818-6
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-2117
Level: LOW
Sample Type: WATER

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

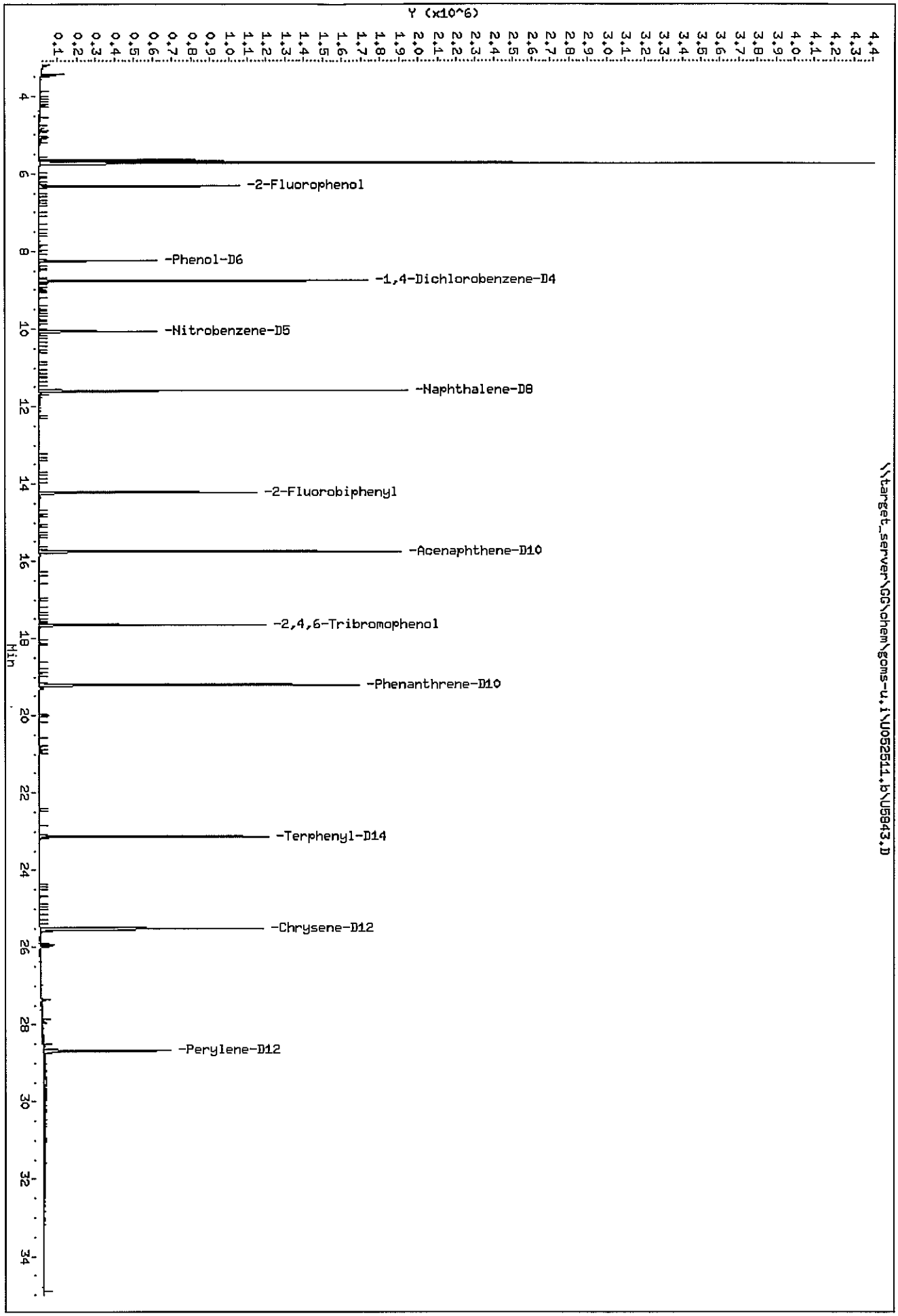
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	432357	32.08
11 Naphthalene-D8	1261487	630744	2522974	1475015	16.93
16 Acenaphthene-D10	688599	344300	1377198	813251	18.10
21 Phenanthrene-D10	1066957	533479	2133914	1292329	21.12
23 Chrysene-D12	669261	334631	1338522	885916	32.37
24 Perylene-D12	342377	171189	684754	487930	42.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.04
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.03
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.02
21 Phenanthrene-D10	19.22	18.72	19.72	19.20	-0.07
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.67	-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-u.i\U052511.b\U5843.D
Date : 25-MAY-2011 17:07
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6

Instrument: gcms-u.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		39.0	%					
Phenol-D6		26.4	%					
Nitrobenzene-D5		58.4	%					
2-Fluorobiphenyl		60.4	%					
2,4,6-Tribromophenol		56.4	%					
Terphenyl-D14		68.9	%					

600 Technology Way
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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5844.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5844.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 25-MAY-2011 17:52 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-8
Misc Info : WG91996,WG91918,U5802A
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.319	6.321	(0.721)	410455	39.0282	195	
$ 3 Phenol-D6	99	8.244	8.257	(0.941)	321472	26.4324	132	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.764	(1.000)	395350	40.0000		
$ 9 Nitrobenzene-D5	82	10.055	10.068	(0.867)	280231	29.1880	146	
* 11 Naphthalene-D8	136	11.597	11.600	(1.000)	1371290	40.0000		
$ 15 2-Fluorobiphenyl	172	14.226	14.239	(0.903)	548423	30.2142	151	
* 16 Acenaphthene-D10	164	15.748	15.750	(1.000)	721107	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	189335	56.4334	282	
* 21 Phenanthrene-D10	188	19.205	19.217	(1.000)	1104409	40.0000		
$ 22 Terphenyl-D14	244	23.117	23.119	(0.906)	525424	34.4472	172	
* 23 Chrysene-D12	240	25.518	25.521	(1.000)	764628	40.0000		
* 24 Perylene-D12	264	28.675	28.677	(1.000)	496391	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5844.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

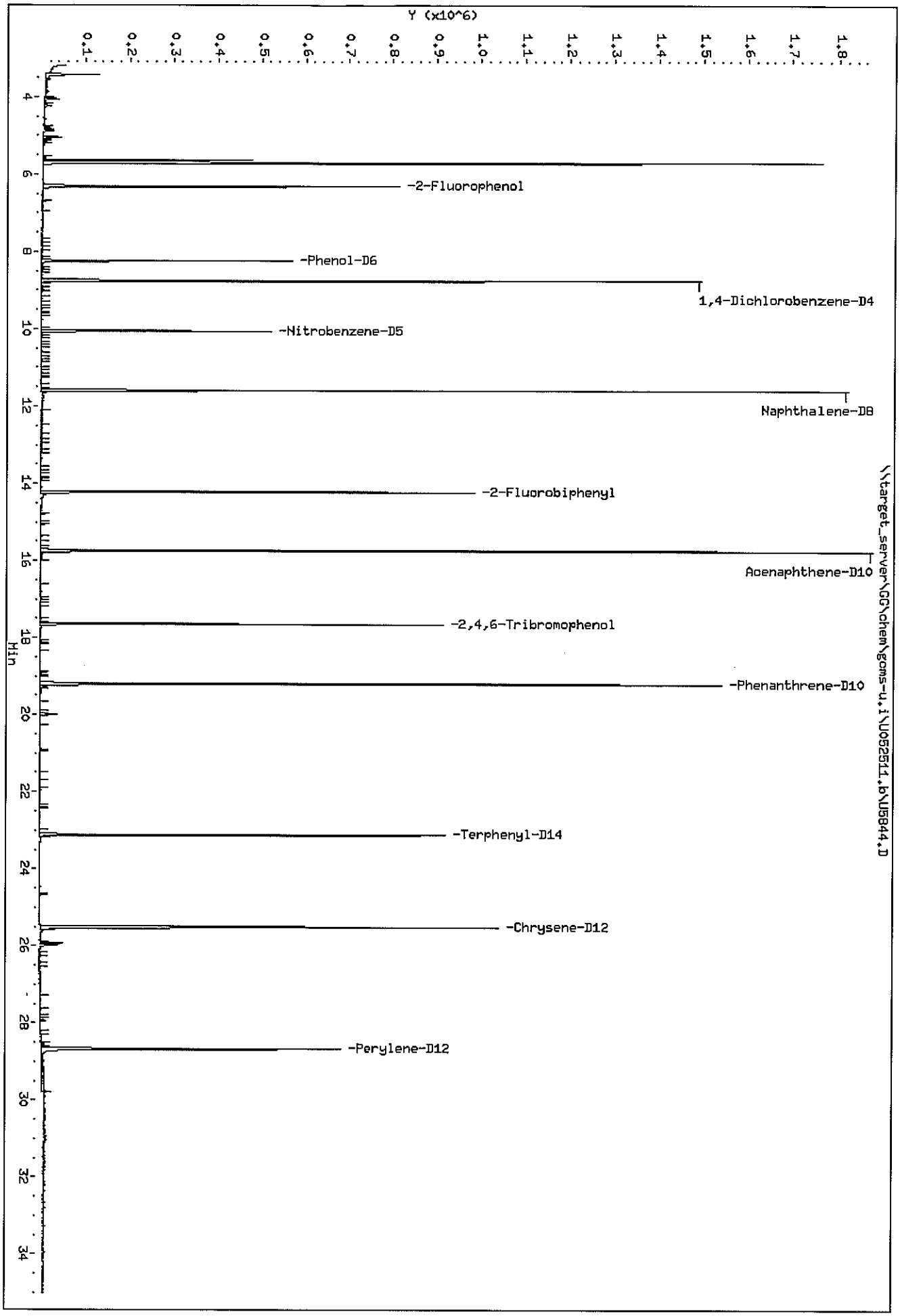
Instrument ID: gcms-u.i
Lab File ID: U5844.D
Lab Smp Id: SE2818-8
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-5526
Level: LOW
Sample Type: WATER
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	395350	20.77
11 Naphthalene-D8	1261487	630744	2522974	1371290	8.70
16 Acenaphthene-D10	688599	344300	1377198	721107	4.72
21 Phenanthrene-D10	1066957	533479	2133914	1104409	3.51
23 Chrysene-D12	669261	334631	1338522	764628	14.25
24 Perylene-D12	342377	171189	684754	496391	44.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.03
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.01
21 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.07
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5844.D
Date : 25-MAY-2011 17:52
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8
Instrument: gcms-u.i
\\target_server\GC\chem\gcms-u.i\U052511.b\U5844.D
Y (x10^6)
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
1.7
1.8
Min
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
-2-Fluorophenol
-Phenol-D6
1,4-Dichlorobenzene-D4
-Nitrobenzene-D5
Naphthalene-D8
-2-Fluorobiphenyl
Acenaphthene-D10
-2,4,6-Tribromophenol
-Phenanthrene-D10
-Terphenyl-D14
-Chrysene-D12
-Perylene-D12

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		40.5	%					
Phenol-D6		26.9	%					
Nitrobenzene-D5		63.4	%					
2-Fluorobiphenyl		67.8	%					
2,4,6-Tribromophenol		62.2	%					
Terphenyl-D14		75.2	%					

600 Technology Way
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Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5845.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5845.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 25-MAY-2011 18:36 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-10
Misc Info : WG91996,WG91918,U5802A
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.319	6.321	(0.721)	486006	40.5106	202	
$ 3 Phenol-D6	99	8.244	8.257	(0.941)	372809	26.8717	134	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.764	(1.000)	450990	40.0000		
$ 9 Nitrobenzene-D5	82	10.066	10.068	(0.868)	358974	31.6999	158	
* 11 Naphthalene-D8	136	11.597	11.600	(1.000)	1617418	40.0000		
$ 15 2-Fluorobiphenyl	172	14.226	14.239	(0.903)	722345	33.9044	170	
* 16 Acenaphthene-D10	164	15.748	15.750	(1.000)	846416	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	244967	62.2055	311	
* 21 Phenanthrene-D10	188	19.205	19.217	(1.000)	1426692	40.0000		
$ 22 Terphenyl-D14	244	23.127	23.119	(0.906)	769966	37.6024	188	
* 23 Chrysene-D12	240	25.518	25.521	(1.000)	1026478	40.0000		
* 24 Perylene-D12	264	28.675	28.677	(1.000)	548041	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5845.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5845.D
Lab Smp Id: SE2818-10
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-782
Level: LOW
Sample Type: WATER

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

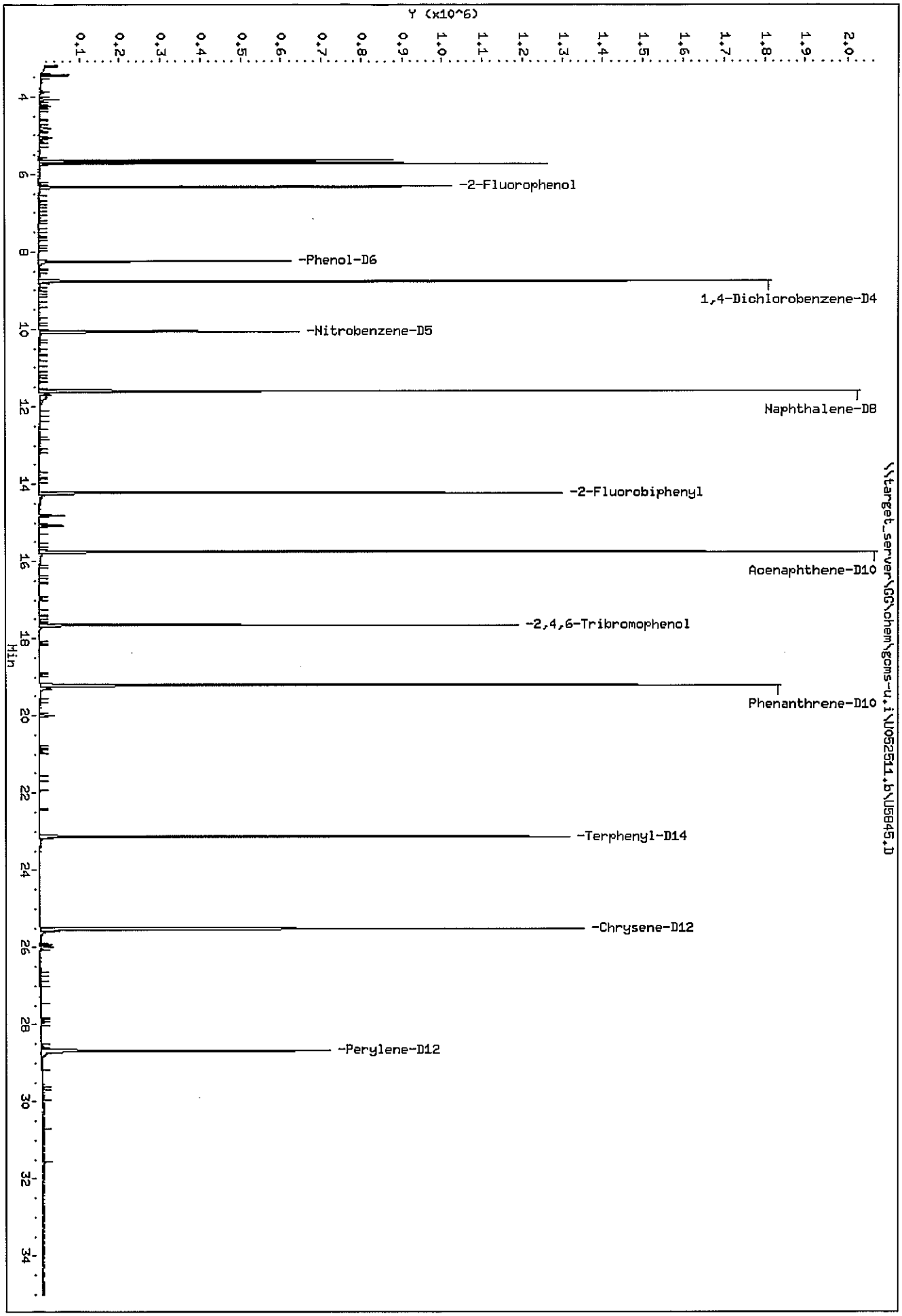
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	450990	37.77
11 Naphthalene-D8	1261487	630744	2522974	1617418	28.22
16 Acenaphthene-D10	688599	344300	1377198	846416	22.92
21 Phenanthrene-D10	1066957	533479	2133914	1426692	33.72
23 Chrysene-D12	669261	334631	1338522	1026478	53.37
24 Perylene-D12	342377	171189	684754	548041	60.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.03
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.01
21 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.07
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5845.D
Date : 25-MAY-2011 18:36
Client ID: SITE6-IDW-782
Sample Info: SE2818-10

Instrument: gcms-u.i



Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichloropbenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		41.8	%					
Phenol-D6		27.3	%					
Nitrobenzene-D5		69.6	%					
2-Fluorobiphenyl		69.7	%					
2,4,6-Tribromophenol		70.0	%					
Terphenyl-D14		78.4	%					

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5846.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5846.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 19:20 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SE2818-12
Misc Info : WG91996,WG91918,U5802A
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.318	6.321	(0.721)	462093	41.7707	209	
$ 3 Phenol-D6	99	8.244	8.257	(0.941)	349442	27.3148	136	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.764	(1.000)	415865	40.0000		
$ 9 Nitrobenzene-D5	82	10.065	10.068	(0.868)	363348	34.7782	174	
* 11 Naphthalene-D8	136	11.597	11.600	(1.000)	1492223	40.0000		
$ 15 2-Fluorobiphenyl	172	14.226	14.239	(0.903)	677969	34.8353	174	
* 16 Acenaphthene-D10	164	15.747	15.750	(1.000)	773187	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	251986	70.0482	350	
* 21 Phenanthrene-D10	188	19.204	19.217	(1.000)	1208262	40.0000		
$ 22 Terphenyl-D14	244	23.117	23.119	(0.906)	617595	39.1988	196	
* 23 Chrysene-D12	240	25.518	25.521	(1.000)	789813	40.0000		
* 24 Perylene-D12	264	28.675	28.677	(1.000)	500959	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5846.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5846.D
Lab Smp Id: SE2818-12
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: SITE6-IDW-954
Level: LOW
Sample Type: WATER

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

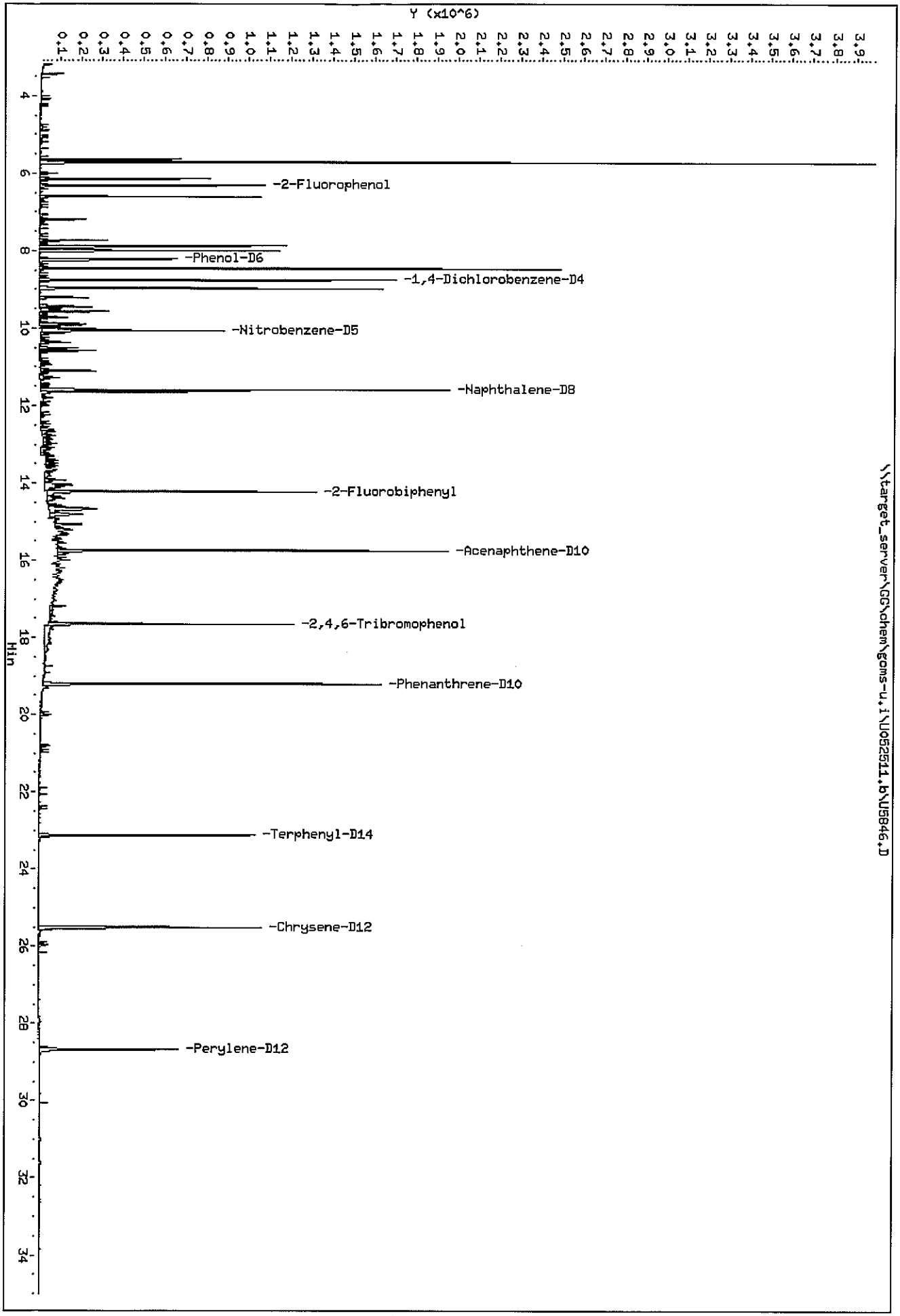
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	415865	27.04
11 Naphthalene-D8	1261487	630744	2522974	1492223	18.29
16 Acenaphthene-D10	688599	344300	1377198	773187	12.28
21 Phenanthrene-D10	1066957	533479	2133914	1208262	13.24
23 Chrysene-D12	669261	334631	1338522	789813	18.01
24 Perylene-D12	342377	171189	684754	500959	46.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.03
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.02
21 Phenanthrene-D10	19.22	18.72	19.72	19.20	-0.07
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5846.D
Date : 25-MAY-2011 19:20
Client ID: SITE6-IDW-954
Sample Info: SE2818-12

Instrument: gcms-u.i



Standards Data Section

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date(s): 05/23/11 05/23/11

Column: RTX-5SILMS ID: 0.25 (mm) Calibration Time(s): 1200 1543

LAB FILE ID: RF10: U5803A RF25: U5804A RF50: U5802A
RF75: U5805A RF100: U5806A RF125: U5807A

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Pyridine	1.204	1.306	1.121	1.286	1.128	1.131	AVRG	1.19587060	6.966	15.000
1,4-Dichlorobenzene	1.359	1.331	1.249	1.246	1.115	1.066	AVRG	1.22771655	9.456	15.000
2-Methylphenol	0.939	0.955	0.916	0.938	0.902	0.940	AVRG	0.93159490	2.054	15.000
3&4-Methylphenol	1.070	1.074	1.026	1.001	0.923	0.873	AVRG	0.99437439	8.157	15.000
Hexachloroethane	0.532	0.497	0.469	0.454	0.412	0.412	AVRG	0.46268347	10.214	15.000
Nitrobenzene	0.292	0.286	0.271	0.279	0.251	0.245	AVRG	0.27065908	7.070	15.000
Hexachlorobutadiene	0.181	0.182	0.171	0.169	0.149	0.142	AVRG	0.16583664	10.004	15.000
2,4,6-Trichlorophenol	0.332	0.346	0.323	0.324	0.307	0.293	AVRG	0.32100644	5.824	15.000
2,4,5-Trichlorophenol	0.335	0.358	0.349	0.370	0.347	0.330	AVRG	0.34825559	4.185	15.000
2,4-Dinitrotoluene	0.324	0.313	0.289	0.284	0.262	0.249	AVRG	0.28674032	10.041	15.000
Hexachlorobenzene	0.228	0.229	0.229	0.232	0.225	0.228	AVRG	0.22849444	0.964	15.000
Pentachlorophenol	0.097	0.118	0.133	0.141	0.131	0.138	AVRG	0.12647509	12.896	15.000
2-Fluorophenol	1.098	1.122	1.083	1.084	1.008	0.989	AVRG	1.06405883	4.989	15.000
Phenol-D6	1.256	1.279	1.250	1.268	1.155	1.175	AVRG	1.23050938	4.229	15.000
Nitrobenzene-D5	0.292	0.290	0.275	0.285	0.270	0.267	AVRG	0.28005441	3.764	15.000
2-Fluorobiphenyl	1.120	1.087	1.014	1.004	0.940	0.875	AVRG	1.00685101	9.018	15.000
2,4,6-Tribromophenol	0.189	0.189	0.191	0.190	0.182	0.176	AVRG	0.18610377	3.323	15.000
Terphenyl-D14	0.900	0.772	0.851	0.817	0.697	0.750	AVRG	0.79793268	9.195	15.000

FORM VI SV

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Lab Smp Id: SSTD050U0523
Inj Date : 23-MAY-2011 12:00 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD050U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 20-MAY-2011 16:37 Cal File: U5777a.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 Pyridine	79	3.865	3.855	(0.441)	458576	50.0000	46.8(a)	
$	2 2-Fluorophenol	112	6.318	6.339	(0.721)	443258	50.0000	50.9	
$	3 Phenol-D6	99	8.254	8.285	(0.942)	511317	50.0000	50.8	
*	4 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	327345	40.0000		
	5 1,4-Dichlorobenzene	146	8.802	8.813	(1.005)	511001	50.0000	50.9	
	6 2-Methylphenol	108	9.537	9.569	(1.089)	374846	50.0000	49.2(M)	M9
	7 Hexachloroethane	117	9.837	9.848	(1.123)	191825	50.0000	50.7	
	8 3&4-Methylphenol	108	9.889	9.941	(1.129)	419948	50.0000	51.6(Q)	
$	9 Nitrobenzene-D5	82	10.075	10.107	(0.868)	433954	50.0000	49.1	
	10 Nitrobenzene	77	10.117	10.148	(0.872)	427135	50.0000	50.0	
*	11 Naphthalene-D8	136	11.607	11.618	(1.000)	1261487	40.0000		
	12 Hexachlorobutadiene	225	12.114	12.125	(1.044)	269746	50.0000	51.6	
	13 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	278103	50.0000	50.3	
	14 2,4,5-Trichlorophenol	196	14.184	14.205	(0.900)	300605	50.0000	50.1(H)	
$	15 2-Fluorobiphenyl	172	14.247	14.267	(0.904)	872580	50.0000	50.3	
*	16 Acenaphthene-D10	164	15.758	15.779	(1.000)	688599	40.0000		
	17 2,4-Dinitrotoluene	165	16.441	16.493	(1.043)	248699	50.0000	50.4	
$	18 2,4,6-Tribromophenol	330	17.672	17.704	(1.122)	164228	50.0000	51.3	
	19 Hexachlorobenzene	284	18.521	18.552	(0.963)	305508	50.0000	50.1	
	20 Pentachlorophenol	266	18.997	19.039	(0.988)	177553	50.0000	52.6	
*	21 Phenanthrene-D10	188	19.225	19.246	(1.000)	1066957	40.0000		
$	22 Terphenyl-D14	244	23.127	23.148	(0.906)	712308	50.0000	53.4	
*	23 Chrysene-D12	240	25.528	25.539	(1.000)	669261	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.685	28.685	(1.000)	342377	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5802a.D
Lab Smp Id: SSTD050U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

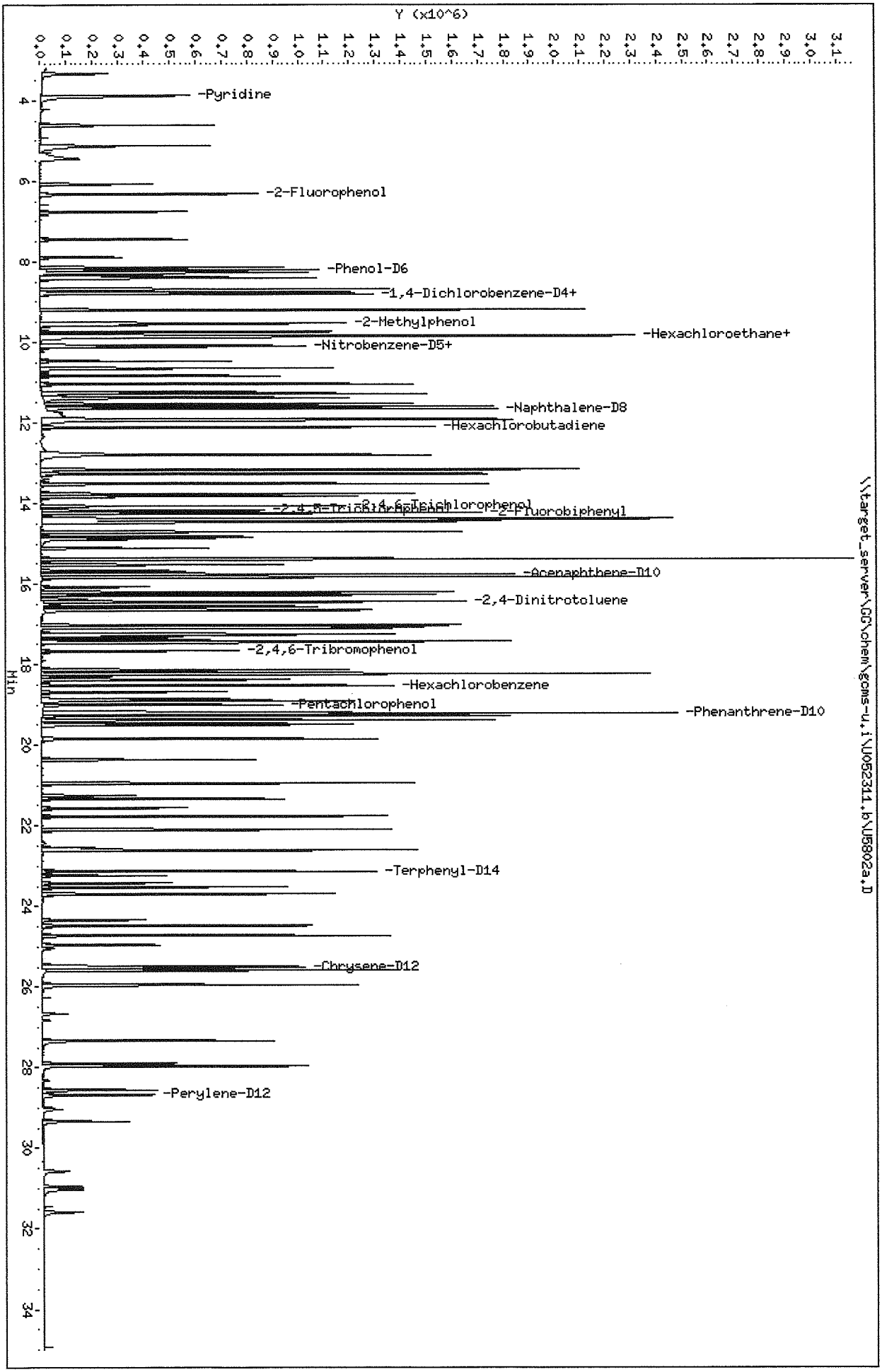
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	327345	0.00
11 Naphthalene-D8	1261487	630744	2522974	1261487	0.00
16 Acenaphthene-D10	688599	344300	1377198	688599	0.00
21 Phenanthrene-D10	1066957	533479	2133914	1066957	0.00
23 Chrysene-D12	669261	334631	1338522	669261	0.00
24 Perylene-D12	342377	171189	684754	342377	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
11 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
16 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
21 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
23 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
24 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5802a.D
Date : 23-MAY-2011 12:00
Client ID:
Sample Info: SSTD050U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5803a.D
Lab Smp Id: SSTD010U0523
Inj Date : 23-MAY-2011 12:46 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD010U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 12:46 Cal File: U5803a.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Pyridine	79	3.885	3.855	(0.444)	109586	10.0000	10.1(a)	
$ 2 2-Fluorophenol	112	6.318	6.339	(0.721)	99971	10.0000	10.3	
$ 3 Phenol-D6	99	8.243	8.285	(0.941)	114337	10.0000	10.2	
* 4 1,4-Dichlorobenzene-D4	152	8.760	8.772	(1.000)	364054	40.0000		
5 1,4-Dichlorobenzene	146	8.791	8.813	(1.004)	123682	10.0000	11.1	
6 2-Methylphenol	108	9.526	9.569	(1.087)	85453	10.0000	10.1	
7 Hexachloroethane	117	9.837	9.848	(1.123)	48419	10.0000	11.5	
8 3&4-Methylphenol	108	9.868	9.941	(1.126)	97355	10.0000	10.8(Q)	
$ 9 Nitrobenzene-D5	82	10.064	10.107	(0.868)	98565	10.0000	10.4	
10 Nitrobenzene	77	10.095	10.148	(0.871)	98772	10.0000	10.8	
* 11 Naphthalene-D8	136	11.596	11.618	(1.000)	1352058	40.0000		
12 Hexachlorobutadiene	225	12.114	12.125	(1.045)	61255	10.0000	10.9	
13 2,4,6-Trichlorophenol	196	14.060	14.102	(0.892)	61854	10.0000	10.3	
14 2,4,5-Trichlorophenol	196	14.153	14.205	(0.898)	62494	10.0000	9.62(a)	
$ 15 2-Fluorobiphenyl	172	14.225	14.267	(0.903)	208912	10.0000	11.1	
* 16 Acenaphthene-D10	164	15.757	15.779	(1.000)	745764	40.0000		
17 2,4-Dinitrotoluene	165	16.409	16.493	(1.041)	60392	10.0000	11.3	
$ 18 2,4,6-Tribromophenol	330	17.651	17.704	(1.120)	35206	10.0000	10.1	
19 Hexachlorobenzene	284	18.510	18.552	(0.963)	74160	10.0000	9.96(a)	
20 Pentachlorophenol	266	18.986	19.039	(0.988)	31757	10.0000	7.71(a)	
* 21 Phenanthrene-D10	188	19.214	19.246	(1.000)	1302969	40.0000		
$ 22 Terphenyl-D14	244	23.126	23.148	(0.906)	178227	10.0000	11.3	
* 23 Chrysene-D12	240	25.517	25.539	(1.000)	791884	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.684	28.685	(1.000)	485795	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5803a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5803a.D
Lab Smp Id: SSTD010U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	364054	11.21
11 Naphthalene-D8	1261487	630744	2522974	1352058	7.18
16 Acenaphthene-D10	688599	344300	1377198	745764	8.30
21 Phenanthrene-D10	1066957	533479	2133914	1302969	22.12
23 Chrysene-D12	669261	334631	1338522	791884	18.32
24 Perylene-D12	342377	171189	684754	485795	41.89

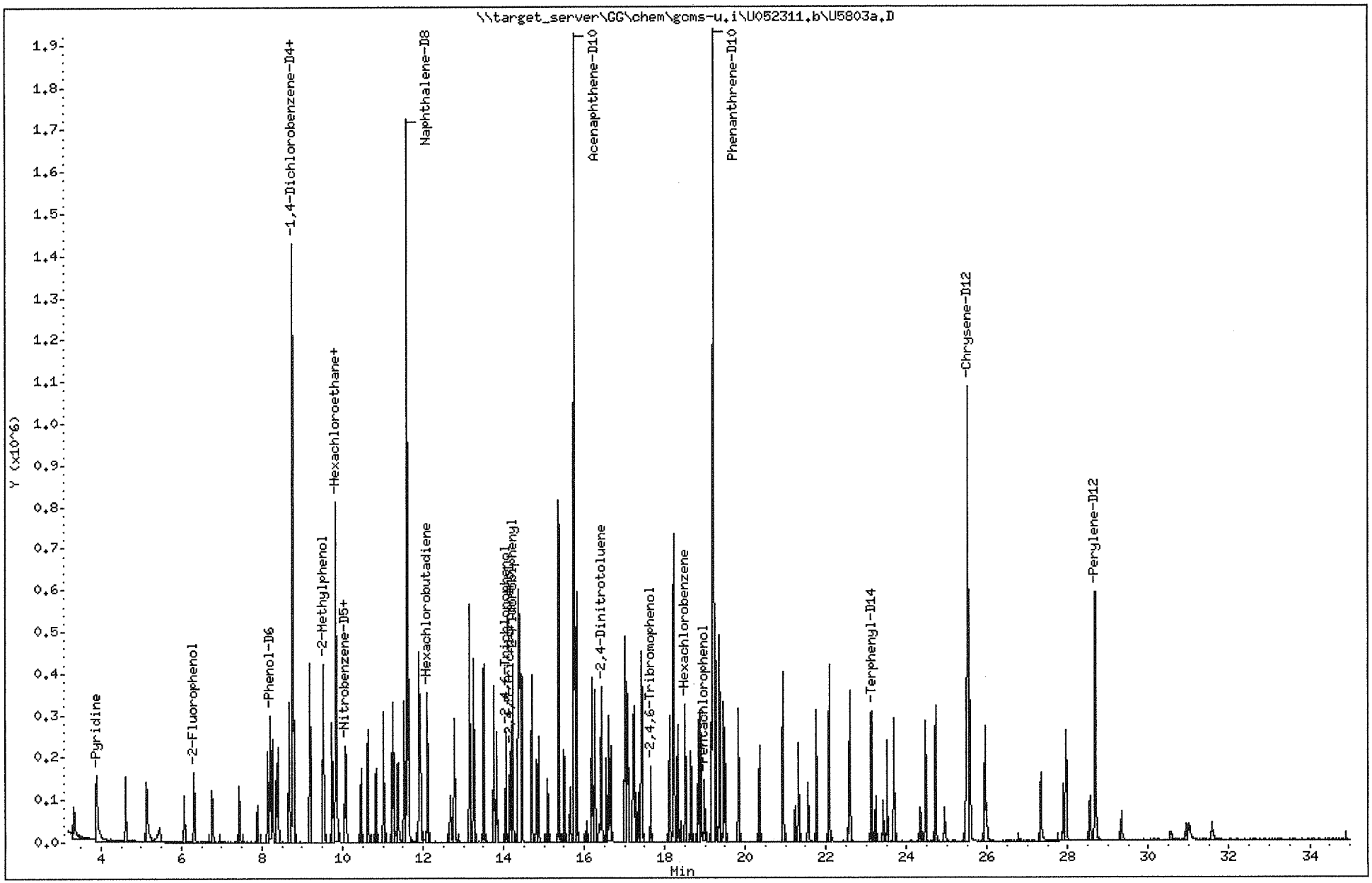
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.01
11 Naphthalene-D8	11.61	11.11	12.11	11.60	-0.10
16 Acenaphthene-D10	15.76	15.26	16.26	15.76	-0.00
21 Phenanthrene-D10	19.23	18.73	19.73	19.21	-0.06
23 Chrysene-D12	25.53	25.03	26.03	25.52	-0.04
24 Perylene-D12	28.69	28.19	29.19	28.68	-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-u.i\U052311.b\U5803a.D
Date : 23-MAY-2011 12:46
Client ID:
Sample Info: SSTD010U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i

Operator: JCG
Column diameter: 0.25



Katahdin Analytical Services 7000037

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5804a.D
Lab Smp Id: SSTD025U0523
Inj Date : 23-MAY-2011 13:30 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD025U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 13:30 Cal File: U5804a.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Pyridine	79	3.865	3.855	(0.441)	310749	25.0000	27.3(a)	
$ 2 2-Fluorophenol	112	6.318	6.339	(0.721)	266929	25.0000	26.4	
$ 3 Phenol-D6	99	8.243	8.285	(0.941)	304232	25.0000	26.0	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	380718	40.0000		
5 1,4-Dichlorobenzene	146	8.792	8.813	(1.004)	316680	25.0000	27.1	
6 2-Methylphenol	108	9.527	9.569	(1.087)	227277	25.0000	25.6	
7 Hexachloroethane	117	9.837	9.848	(1.123)	118206	25.0000	26.8	
8 3&4-Methylphenol	108	9.868	9.941	(1.126)	255476	25.0000	27.0	
$ 9 Nitrobenzene-D5	82	10.065	10.107	(0.867)	259392	25.0000	25.9	
10 Nitrobenzene	77	10.106	10.148	(0.871)	255437	25.0000	26.4	
* 11 Naphthalene-D8	136	11.607	11.618	(1.000)	1428253	40.0000		
12 Hexachlorobutadiene	225	12.114	12.125	(1.044)	162676	25.0000	27.5	
13 2,4,6-Trichlorophenol	196	14.060	14.102	(0.892)	167753	25.0000	27.0	
14 2,4,5-Trichlorophenol	196	14.164	14.205	(0.899)	173522	25.0000	25.7	
$ 15 2-Fluorobiphenyl	172	14.236	14.267	(0.903)	526494	25.0000	27.0	
* 16 Acenaphthene-D10	164	15.758	15.779	(1.000)	774902	40.0000		
17 2,4-Dinitrotoluene	165	16.420	16.493	(1.042)	151661	25.0000	27.3	
$ 18 2,4,6-Tribromophenol	330	17.662	17.704	(1.121)	91769	25.0000	25.4	
19 Hexachlorobenzene	284	18.511	18.552	(0.963)	177434	25.0000	25.1	
20 Pentachlorophenol	266	18.987	19.039	(0.988)	91384	25.0000	23.3(a)	
* 21 Phenanthrene-D10	188	19.215	19.246	(1.000)	1239399	40.0000		
$ 22 Terphenyl-D14	244	23.127	23.148	(0.906)	418449	25.0000	24.2	
* 23 Chrysene-D12	240	25.528	25.539	(1.000)	867368	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.685	28.685	(1.000)	529538	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5804a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5804a.D
Lab Smp Id: SSTD025U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

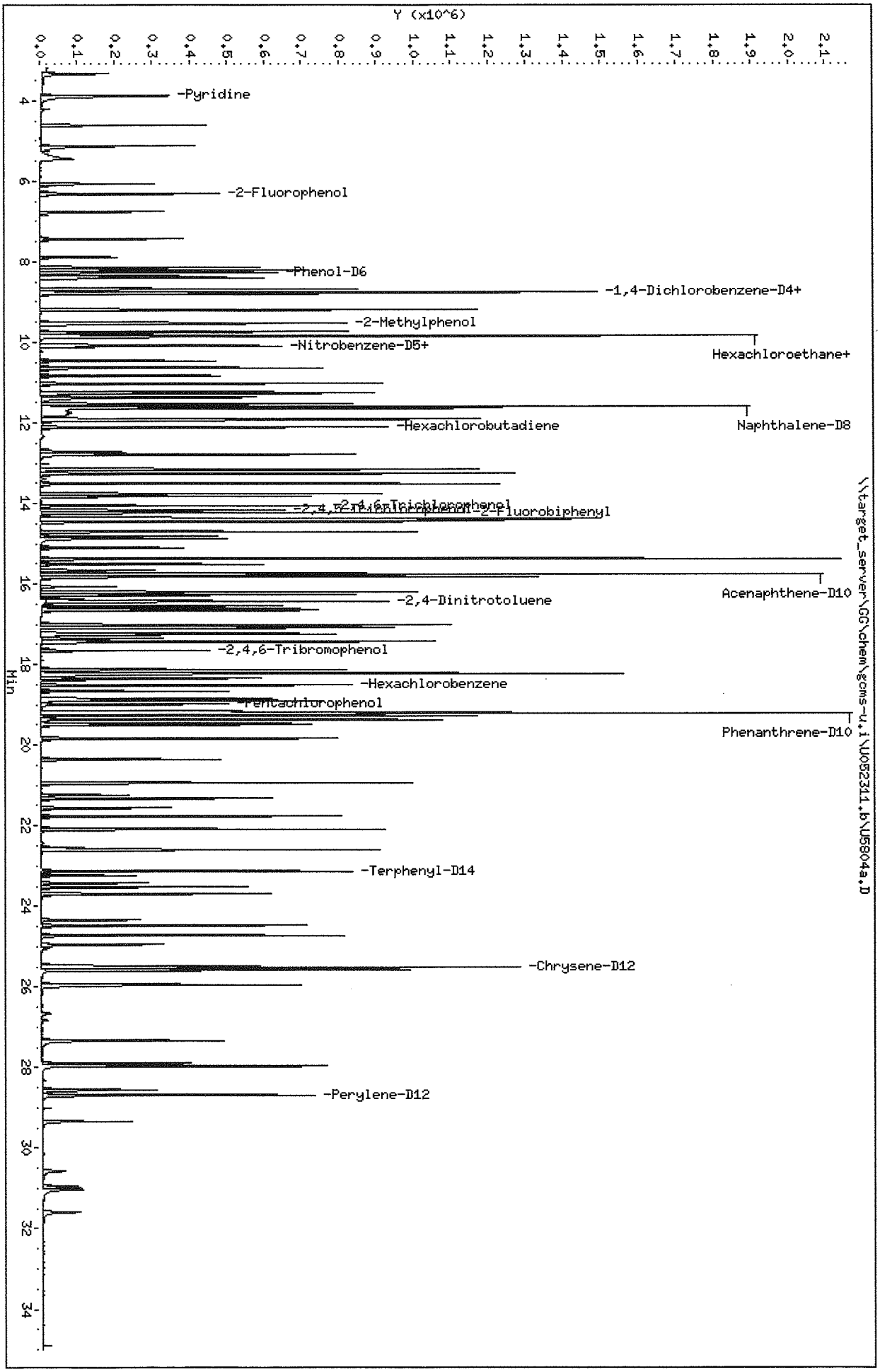
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	380718	16.30
11 Naphthalene-D8	1261487	630744	2522974	1428253	13.22
16 Acenaphthene-D10	688599	344300	1377198	774902	12.53
21 Phenanthrene-D10	1066957	533479	2133914	1239399	16.16
23 Chrysene-D12	669261	334631	1338522	867368	29.60
24 Perylene-D12	342377	171189	684754	529538	54.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.00
11 Naphthalene-D8	11.61	11.11	12.11	11.61	-0.00
16 Acenaphthene-D10	15.76	15.26	16.26	15.76	-0.00
21 Phenanthrene-D10	19.23	18.73	19.73	19.22	-0.05
23 Chrysene-D12	25.53	25.03	26.03	25.53	-0.00
24 Perylene-D12	28.69	28.19	29.19	28.69	-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-u.i\U052311.b\U5804a.D
Date : 23-MAY-2011 13:30
Client ID:
Sample Info: SSTD025U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Lab Smp Id: SSTD075U0523
Inj Date : 23-MAY-2011 14:15 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD075U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 14:15 Cal File: U5805a.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 * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Pyridine	79	3.866	3.855	(0.441)	821250	75.0000	80.6	
$ 2 2-Fluorophenol	112	6.329	6.339	(0.722)	692509	75.0000	76.4	
$ 3 Phenol-D6	99	8.264	8.285	(0.942)	810360	75.0000	77.3	
* 4 1,4-Dichlorobenzene-D4	152	8.772	8.772	(1.000)	340705	40.0000		
5 1,4-Dichlorobenzene	146	8.803	8.813	(1.004)	796199	75.0000	76.1	
6 2-Methylphenol	108	9.548	9.569	(1.088)	599167	75.0000	75.5(M)	M9
7 Hexachloroethane	117	9.848	9.848	(1.123)	290054	75.0000	73.6	
8 3&4-Methylphenol	108	9.900	9.941	(1.129)	639439	75.0000	75.5(Q)	
$ 9 Nitrobenzene-D5	82	10.086	10.107	(0.869)	676798	75.0000	76.4	
10 Nitrobenzene	77	10.128	10.148	(0.872)	661508	75.0000	77.3	
* 11 Naphthalene-D8	136	11.608	11.618	(1.000)	1264724	40.0000		
12 Hexachlorobutadiene	225	12.115	12.125	(1.044)	400990	75.0000	76.5	
13 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	416686	75.0000	75.8	
14 2,4,5-Trichlorophenol	196	14.195	14.205	(0.901)	474870	75.0000	79.6	
$ 15 2-Fluorobiphenyl	172	14.247	14.267	(0.904)	1289895	75.0000	74.8	
* 16 Acenaphthene-D10	164	15.758	15.779	(1.000)	684847	40.0000		
17 2,4-Dinitrotoluene	165	16.451	16.493	(1.044)	364162	75.0000	74.2	
$ 18 2,4,6-Tribromophenol	330	17.673	17.704	(1.122)	244498	75.0000	76.7	
19 Hexachlorobenzene	284	18.532	18.552	(0.964)	439674	75.0000	76.1	
20 Pentachlorophenol	266	19.008	19.039	(0.989)	268325	75.0000	83.9	
* 21 Phenanthrene-D10	188	19.225	19.246	(1.000)	1011719	40.0000		
$ 22 Terphenyl-D14	244	23.138	23.148	(0.906)	944598	75.0000	76.8	
* 23 Chrysene-D12	240	25.529	25.539	(1.000)	616479	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.685	28.685	(1.000)	317076	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5805a.D
Lab Smp Id: SSTD075U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

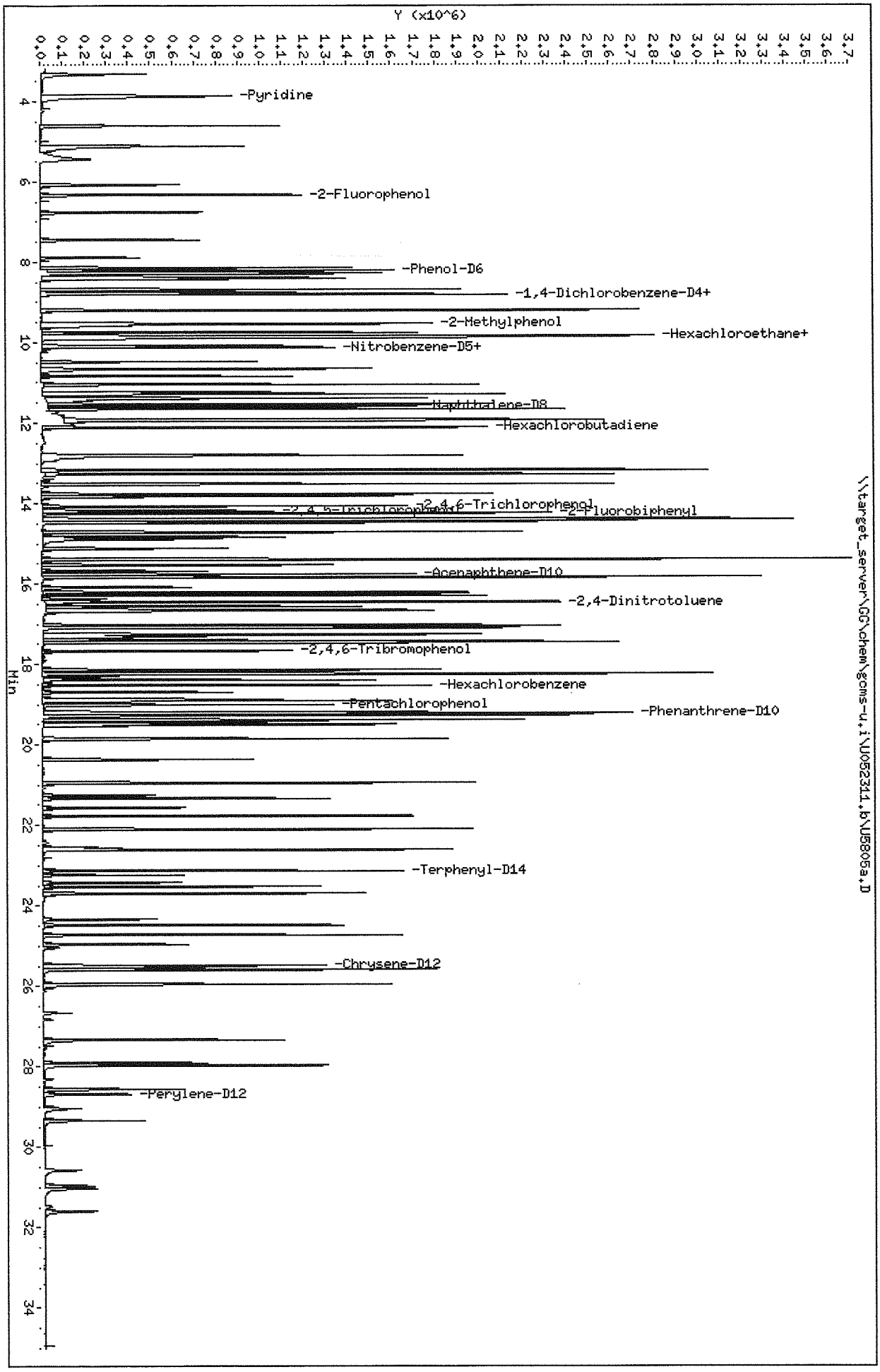
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	340705	4.08
11 Naphthalene-D8	1261487	630744	2522974	1264724	0.26
16 Acenaphthene-D10	688599	344300	1377198	684847	-0.54
21 Phenanthrene-D10	1066957	533479	2133914	1011719	-5.18
23 Chrysene-D12	669261	334631	1338522	616479	-7.89
24 Perylene-D12	342377	171189	684754	317076	-7.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.12
11 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
16 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
21 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
23 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
24 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5805a.D
Date : 23-MAY-2011 14:15
Client ID:
Sample Info: SSTD075U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Lab Smp Id: SSTD100U0523
Inj Date : 23-MAY-2011 14:59 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD100U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 14:59 Cal File: U5806a.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Pyridine	79	3.854	3.855	(0.439)	1174303	100.000	94.3	
$ 2 2-Fluorophenol	112	6.338	6.339	(0.723)	1049270	100.000	94.7	
$ 3 Phenol-D6	99	8.274	8.285	(0.943)	1202440	100.000	93.9	
* 4 1,4-Dichlorobenzene-D4	152	8.771	8.772	(1.000)	416322	40.0000		
5 1,4-Dichlorobenzene	146	8.802	8.813	(1.004)	1160250	100.000	90.8	
6 2-Methylphenol	108	9.557	9.569	(1.090)	938751	100.000	96.8	
7 Hexachloroethane	117	9.847	9.848	(1.123)	428862	100.000	89.0	
8 3&4-Methylphenol	108	9.920	9.941	(1.131)	960242	100.000	92.8	
$ 9 Nitrobenzene-D5	82	10.096	10.107	(0.869)	1056902	100.000	96.5	
10 Nitrobenzene	77	10.137	10.148	(0.873)	981575	100.000	92.7	
* 11 Naphthalene-D8	136	11.617	11.618	(1.000)	1564330	40.0000		
12 Hexachlorobutadiene	225	12.124	12.125	(1.044)	582620	100.000	89.8	
13 2,4,6-Trichlorophenol	196	14.091	14.102	(0.894)	613079	100.000	95.7	
14 2,4,5-Trichlorophenol	196	14.215	14.205	(0.902)	691713	100.000	99.6(M)	M9
$ 15 2-Fluorobiphenyl	172	14.256	14.267	(0.904)	1875545	100.000	93.4	
* 16 Acenaphthene-D10	164	15.767	15.779	(1.000)	798000	40.0000		
17 2,4-Dinitrotoluene	165	16.471	16.493	(1.045)	522856	100.000	91.4	
$ 18 2,4,6-Tribromophenol	330	17.693	17.704	(1.122)	362156	100.000	97.5	
19 Hexachlorobenzene	284	18.541	18.552	(0.964)	641961	100.000	98.5	
20 Pentachlorophenol	266	19.028	19.039	(0.989)	373686	100.000	104	
* 21 Phenanthrene-D10	188	19.235	19.246	(1.000)	1141227	40.0000		
$ 22 Terphenyl-D14	244	23.137	23.148	(0.906)	1414505	100.000	87.3	
* 23 Chrysene-D12	240	25.538	25.539	(1.000)	811996	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.684	28.685	(1.000)	400708	40.0000		

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5806a.D
Lab Smp Id: SSTD100U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	416322	27.18
11 Naphthalene-D8	1261487	630744	2522974	1564330	24.01
16 Acenaphthene-D10	688599	344300	1377198	798000	15.89
21 Phenanthrene-D10	1066957	533479	2133914	1141227	6.96
23 Chrysene-D12	669261	334631	1338522	811996	21.33
24 Perylene-D12	342377	171189	684754	400708	17.04

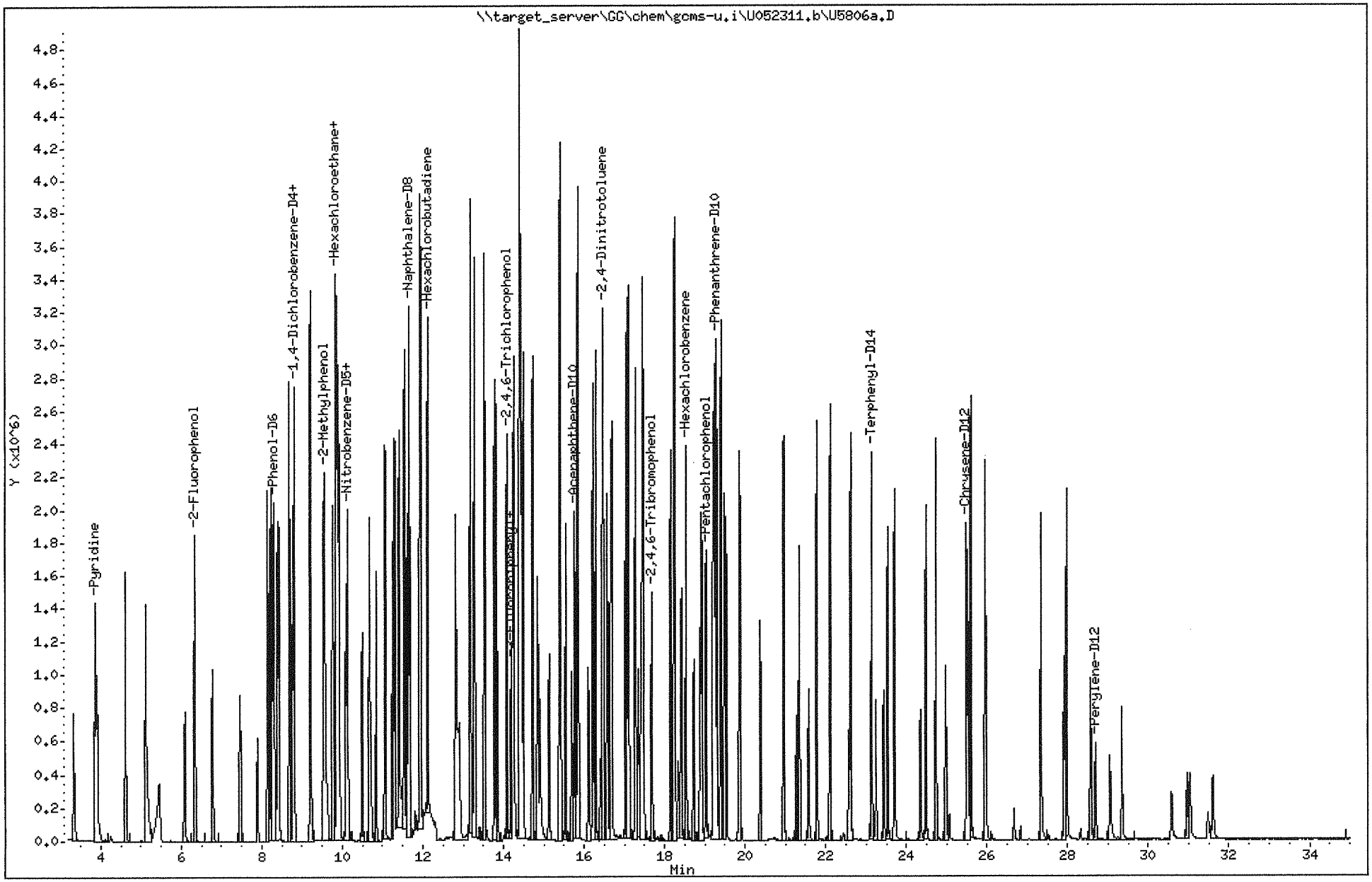
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.11
11 Naphthalene-D8	11.61	11.11	12.11	11.62	0.08
16 Acenaphthene-D10	15.76	15.26	16.26	15.77	0.06
21 Phenanthrene-D10	19.23	18.73	19.73	19.24	0.05
23 Chrysene-D12	25.53	25.03	26.03	25.54	0.04
24 Perylene-D12	28.69	28.19	29.19	28.68	-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-u.i\U052311.b\U5806a.D
Date : 23-MAY-2011 14:59
Client ID:
Sample Info: SSTD100U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i

Operator: JCG
Column diameter: 0.25



Katahdin Analytical Services 7000049

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5807a.D
Lab Smp Id: SSTD125U0523
Inj Date : 23-MAY-2011 15:43 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD125U0523
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 Pyridine	79	3.855	3.855	(0.440)	1463104	125.000	118	
$	2 2-Fluorophenol	112	6.339	6.339	(0.723)	1279386	125.000	116	
$	3 Phenol-D6	99	8.285	8.285	(0.945)	1520221	125.000	119	
*	4 1,4-Dichlorobenzene-D4	152	8.772	8.772	(1.000)	414088	40.0000		
	5 1,4-Dichlorobenzene	146	8.813	8.813	(1.005)	1380114	125.000	108	
	6 2-Methylphenol	108	9.569	9.569	(1.091)	1215806	125.000	126(A)	
	7 Hexachloroethane	117	9.848	9.848	(1.123)	533703	125.000	111	
	8 3&4-Methylphenol	108	9.941	9.941	(1.133)	1129730	125.000	110	
$	9 Nitrobenzene-D5	82	10.107	10.107	(0.870)	1348258	125.000	119	
	10 Nitrobenzene	77	10.148	10.148	(0.873)	1234659	125.000	113	
*	11 Naphthalene-D8	136	11.618	11.618	(1.000)	1614164	40.0000		
	12 Hexachlorobutadiene	225	12.125	12.125	(1.044)	718420	125.000	107	
	13 2,4,6-Trichlorophenol	196	14.102	14.102	(0.894)	803840	125.000	114	
	14 2,4,5-Trichlorophenol	196	14.205	14.205	(0.900)	906119	125.000	118(M)	M9
$	15 2-Fluorobiphenyl	172	14.267	14.267	(0.904)	2400790	125.000	109	
*	16 Acenaphthene-D10	164	15.779	15.779	(1.000)	877906	40.0000		
	17 2,4-Dinitrotoluene	165	16.493	16.493	(1.045)	682471	125.000	108	
$	18 2,4,6-Tribromophenol	330	17.704	17.704	(1.122)	481679	125.000	118	
	19 Hexachlorobenzene	284	18.552	18.552	(0.964)	847047	125.000	125	
	20 Pentachlorophenol	266	19.039	19.039	(0.989)	511188	125.000	136(A)	
*	21 Phenanthrene-D10	188	19.246	19.246	(1.000)	1186801	40.0000		
$	22 Terphenyl-D14	244	23.148	23.148	(0.906)	1847373	125.000	117	
*	23 Chrysene-D12	240	25.539	25.539	(1.000)	788241	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807a.D
Report Date: 23-May-2011 16:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 24 Perylene-D12	264	28.685	28.685	(1.000)	382508	40.0000		

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-u.i\U052311.b\U5807a.D
Report Date: 23-May-2011 16:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5807a.D
Lab Smp Id: SSTD125U0523
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	414088	26.50
11 Naphthalene-D8	1261487	630744	2522974	1614164	27.96
16 Acenaphthene-D10	688599	344300	1377198	877906	27.49
21 Phenanthrene-D10	1066957	533479	2133914	1186801	11.23
23 Chrysene-D12	669261	334631	1338522	788241	17.78
24 Perylene-D12	342377	171189	684754	382508	11.72

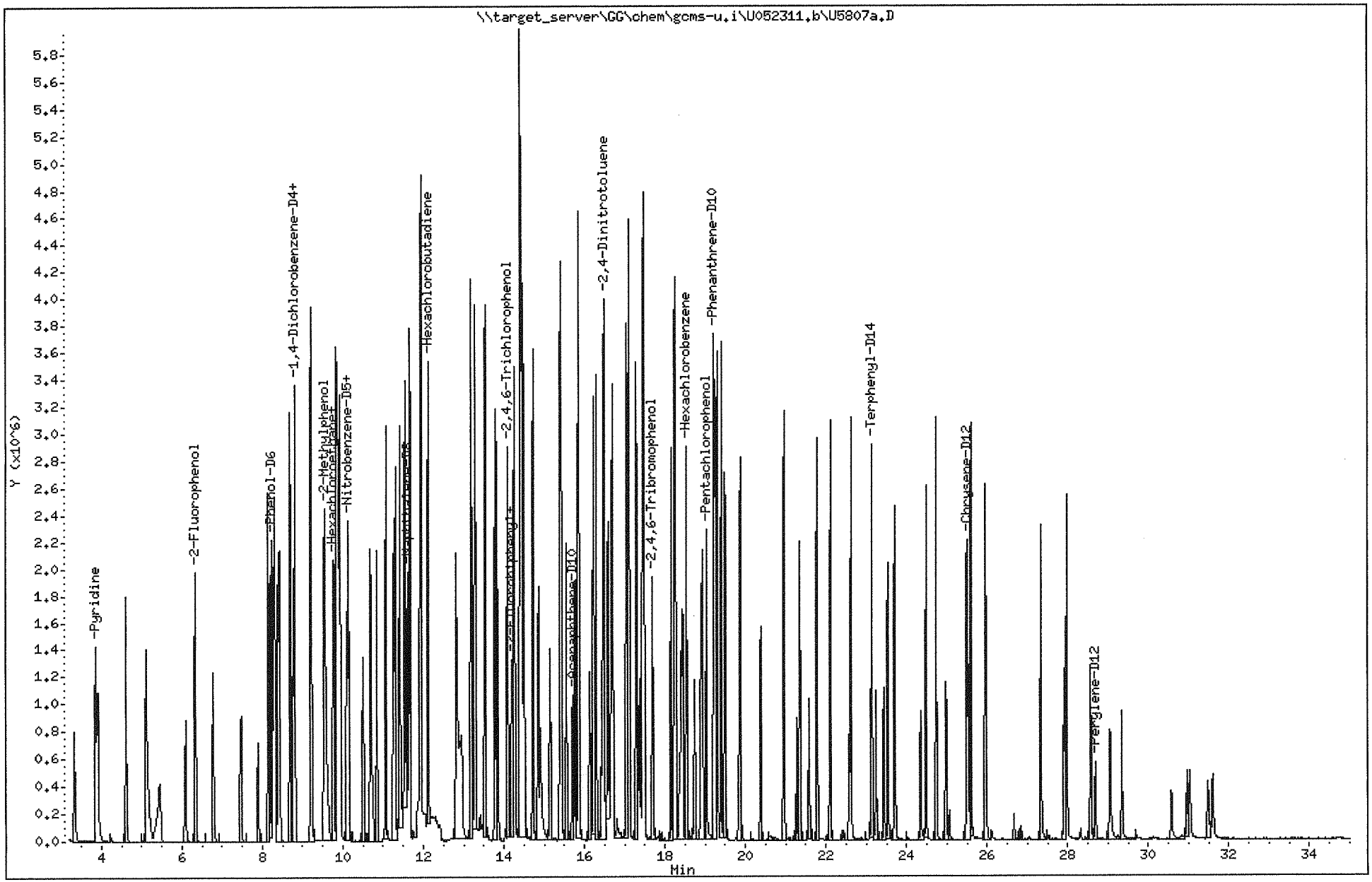
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.77	0.12
11 Naphthalene-D8	11.61	11.11	12.11	11.62	0.09
16 Acenaphthene-D10	15.76	15.26	16.26	15.78	0.13
21 Phenanthrene-D10	19.23	18.73	19.73	19.25	0.11
23 Chrysene-D12	25.53	25.03	26.03	25.54	0.04
24 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5807a.D
Date : 23-MAY-2011 15:43
Client ID:
Sample Info: SSTD125U0523
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i

Operator: JCG
Column diameter: 0.25



Katahdin Analytical Services 7000053

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808a.D
Report Date: 24-May-2011 11:21

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052311.b\U5808a.D
Lab Smp Id: 8270C IND CHECK
Inj Date : 23-MAY-2011 16:28 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : 8270C IND CHECK
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Meth Date : 23-May-2011 16:40 gcms-u.i Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 8 QC Sample: IND_CHECK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
1 Pyridine	79	3.866	3.855	(0.441)	574724	47.5499	47.5	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.772	(1.000)	404283	40.0000		
5 1,4-Dichlorobenzene	146	8.803	8.813	(1.005)	629018	50.6920	50.7	
6 2-Methylphenol	108	9.548	9.569	(1.090)	455397	48.3657	48.4(M)	M9
7 Hexachloroethane	117	9.838	9.848	(1.123)	226269	48.3855	48.4	
8 3&4-Methylphenol	108	9.879	9.941	(1.128)	490632	48.8181	48.8(Q)	
10 Nitrobenzene	77	10.117	10.148	(0.872)	531601	51.8394	51.8	
* 11 Naphthalene-D8	136	11.608	11.618	(1.000)	1515524	40.0000		
12 Hexachlorobutadiene	225	12.115	12.125	(1.044)	320421	50.9962	51.0	
13 2,4,6-Trichlorophenol	196	14.071	14.102	(0.893)	327755	50.6915	50.7	
14 2,4,5-Trichlorophenol	196	14.185	14.205	(0.900)	371348	52.9398	52.9	
* 16 Acenaphthene-D10	164	15.758	15.779	(1.000)	805676	40.0000		
17 2,4-Dinitrotoluene	165	16.441	16.493	(1.043)	299287	51.8201	51.8	
19 Hexachlorobenzene	284	18.522	18.552	(0.963)	344310	49.0188	49.0	
20 Pentachlorophenol	266	18.998	19.039	(0.988)	224459	57.7326	57.7	
* 21 Phenanthrene-D10	188	19.225	19.246	(1.000)	1229620	40.0000		
* 23 Chrysene-D12	240	25.529	25.539	(1.000)	750399	40.0000		
* 24 Perylene-D12	264	28.685	28.685	(1.000)	421057	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808a.D
Report Date: 24-May-2011 11:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5808a.D
Lab Smp Id: 8270C IND CHECK
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 23-MAY-2011
Calibration Time: 12:00

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	404283	23.50
11 Naphthalene-D8	1261487	630744	2522974	1515524	20.14
16 Acenaphthene-D10	688599	344300	1377198	805676	17.00
21 Phenanthrene-D10	1066957	533479	2133914	1229620	15.25
23 Chrysene-D12	669261	334631	1338522	750399	12.12
24 Perylene-D12	342377	171189	684754	421057	22.98

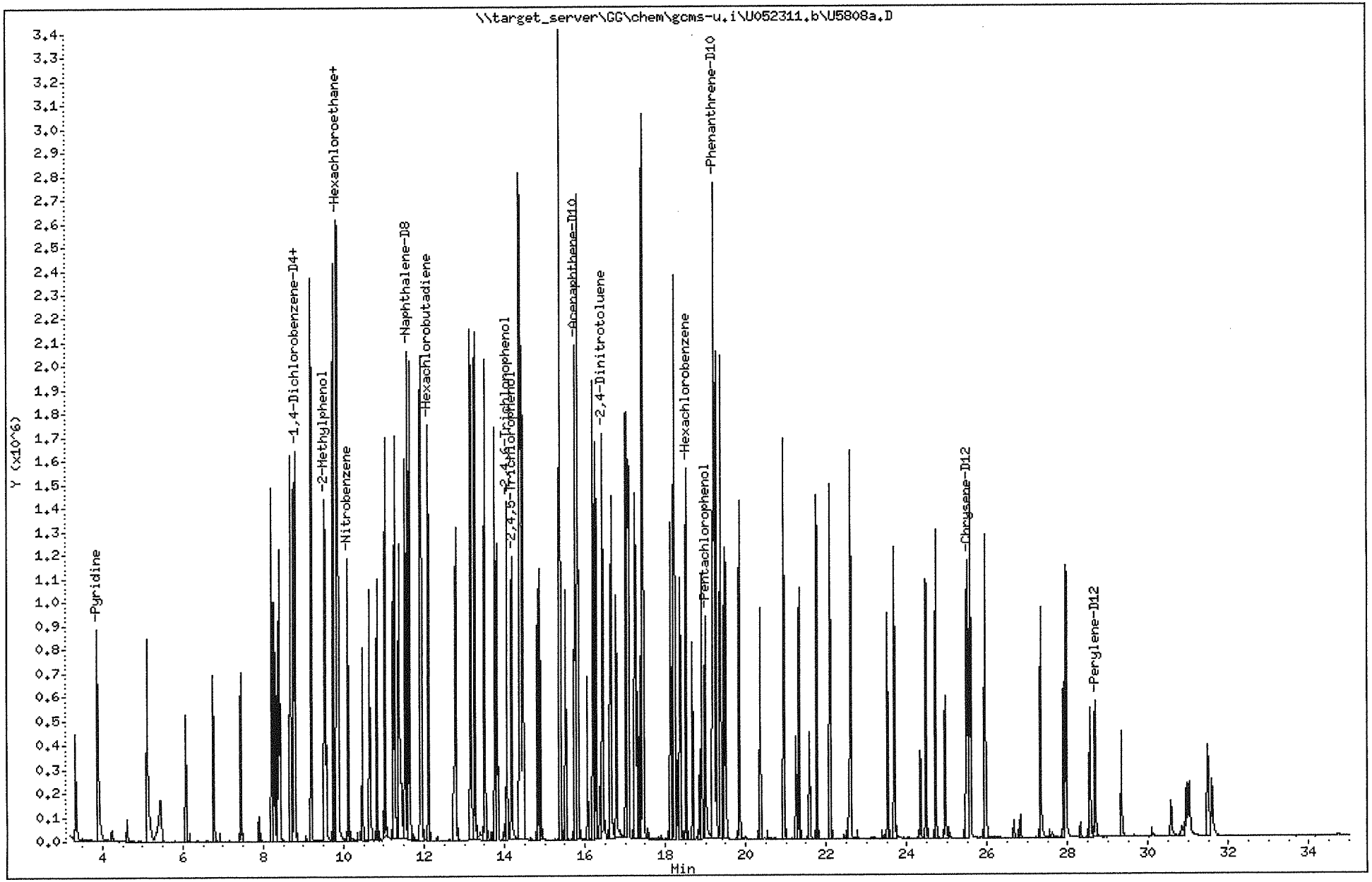
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
11 Naphthalene-D8	11.61	11.11	12.11	11.61	0.00
16 Acenaphthene-D10	15.76	15.26	16.26	15.76	0.00
21 Phenanthrene-D10	19.23	18.73	19.73	19.23	0.00
23 Chrysene-D12	25.53	25.03	26.03	25.53	0.00
24 Perylene-D12	28.69	28.19	29.19	28.69	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-u.i\U052311.b\U5808a.D
Date : 23-MAY-2011 16:28
Client ID:
Sample Info: 8270C IND CHECK
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i

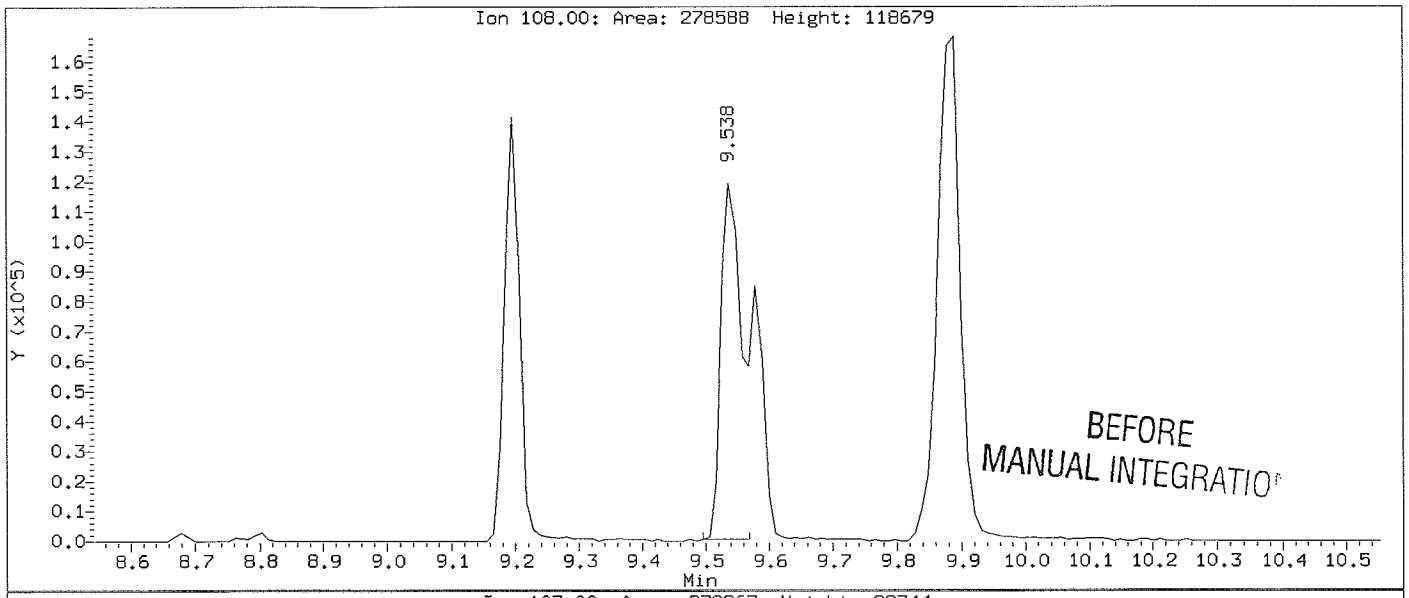
Operator: JCG
Column diameter: 0.25

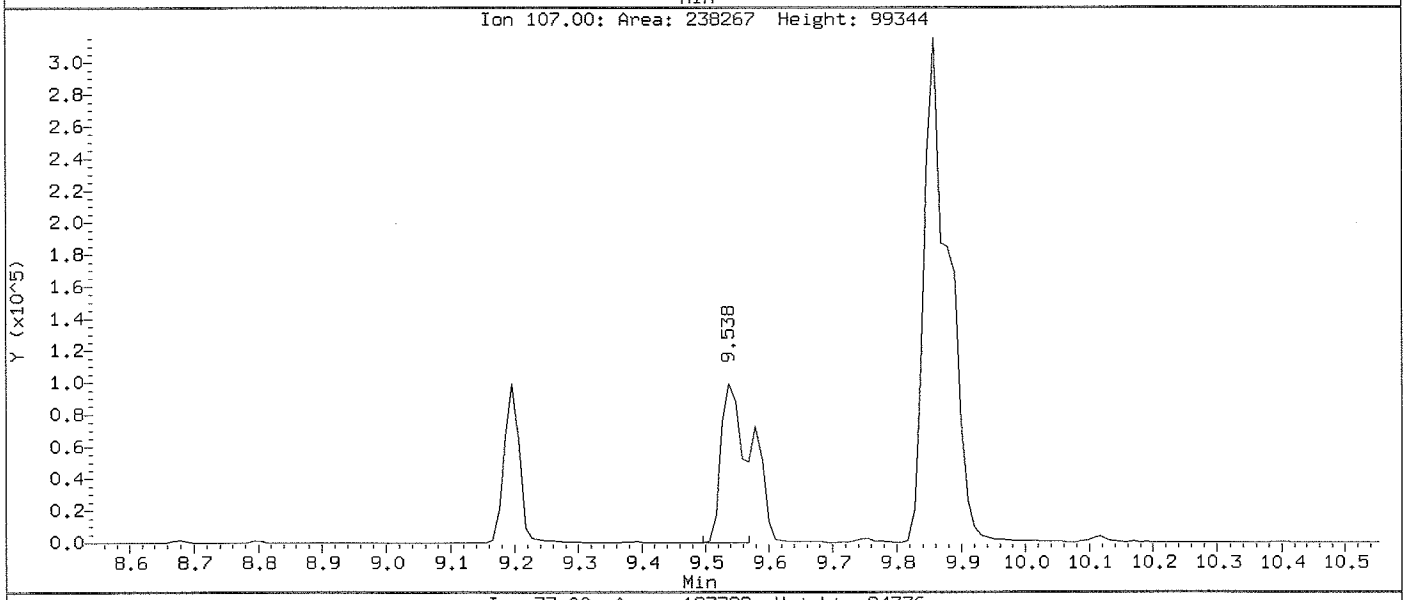


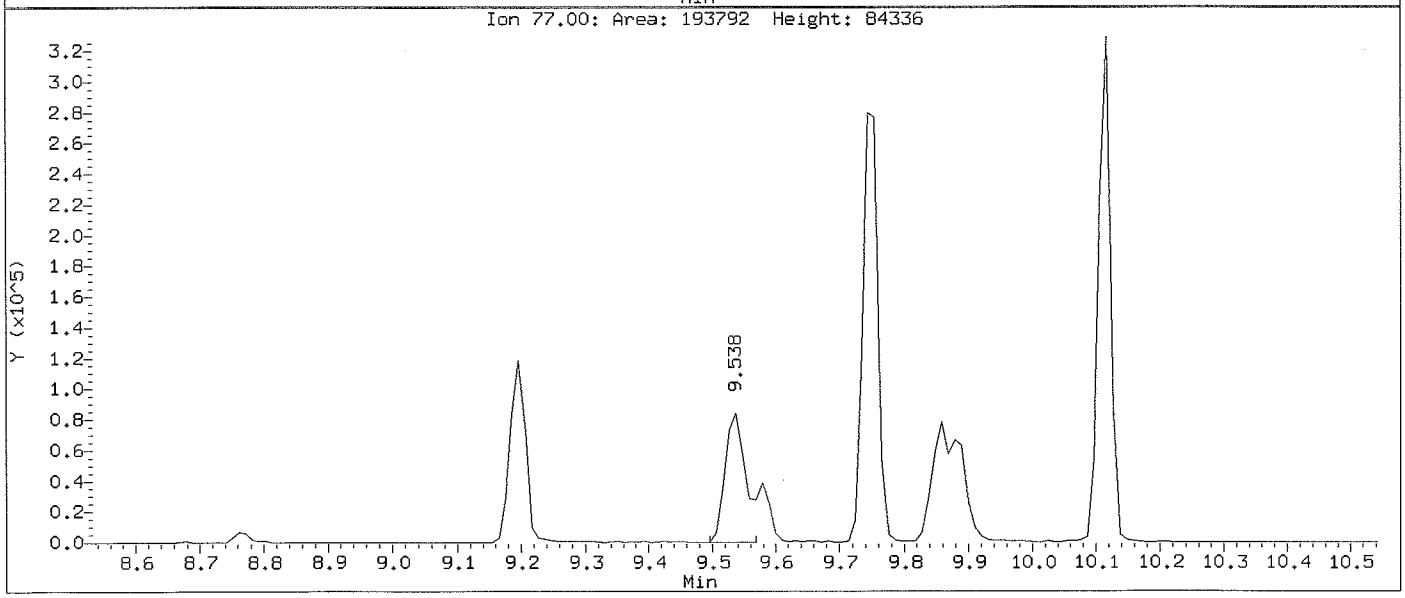
Katahdin Analytical Services 7000056

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Injection Date: 23-MAY-2011 12:00
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

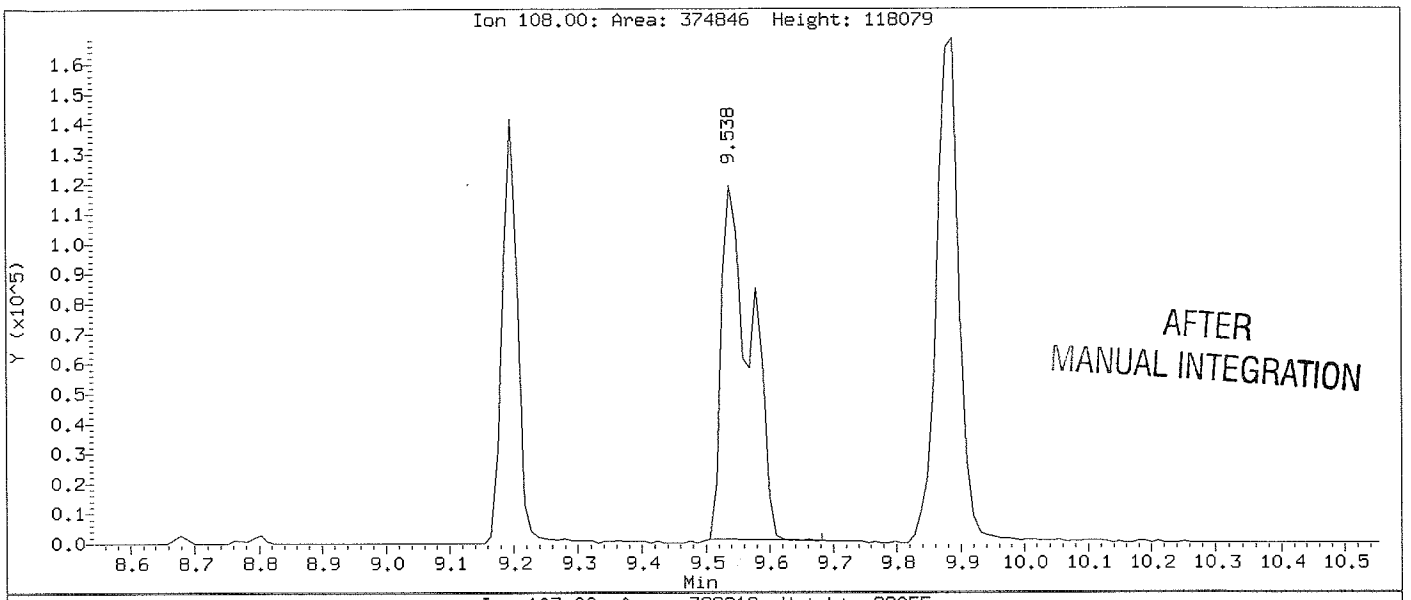


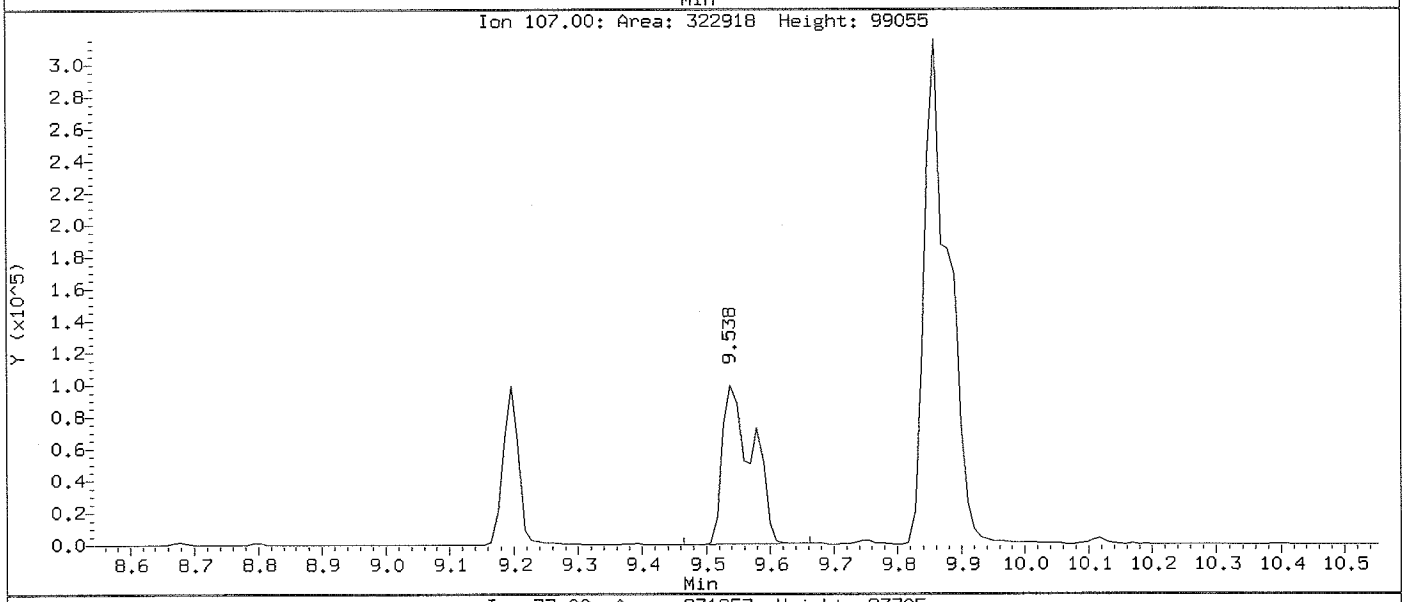


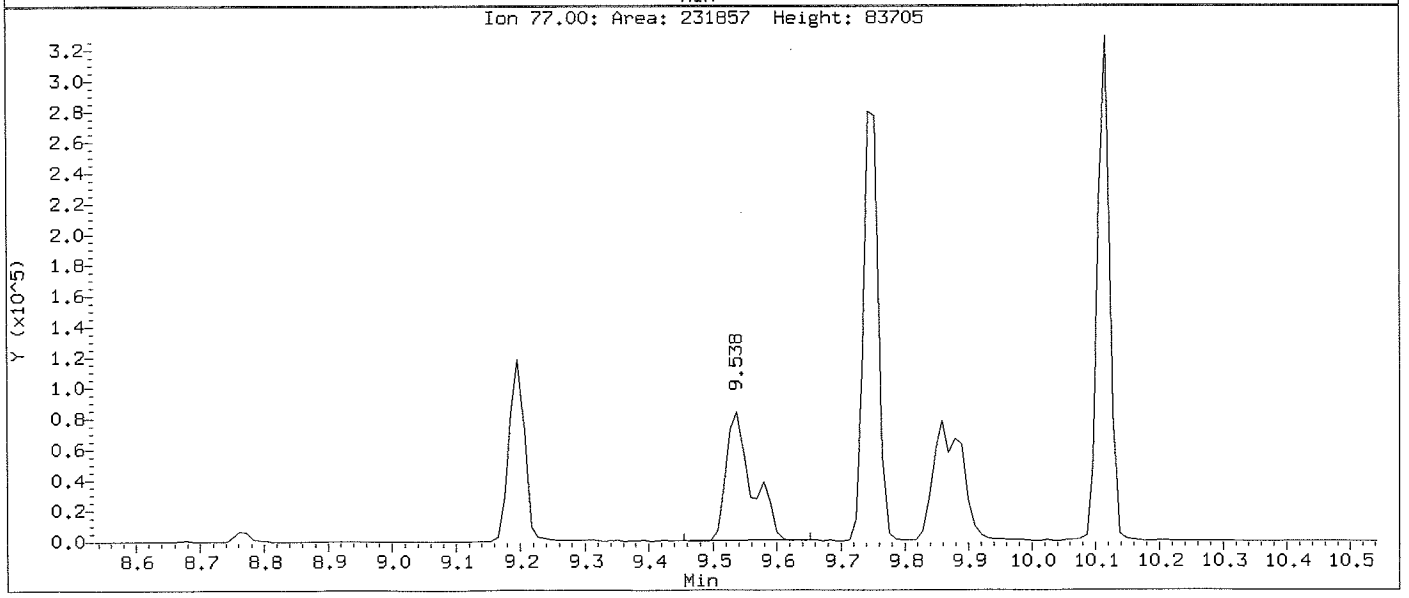


Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5802a.D
Injection Date: 23-MAY-2011 12:00
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

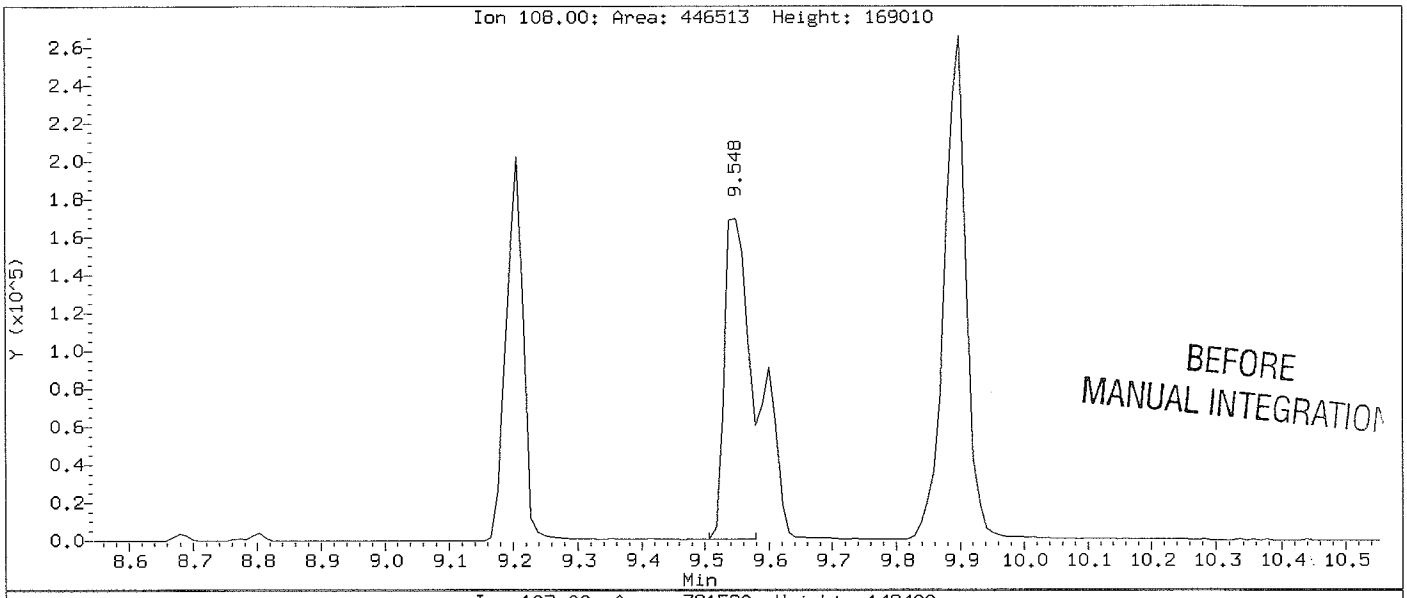


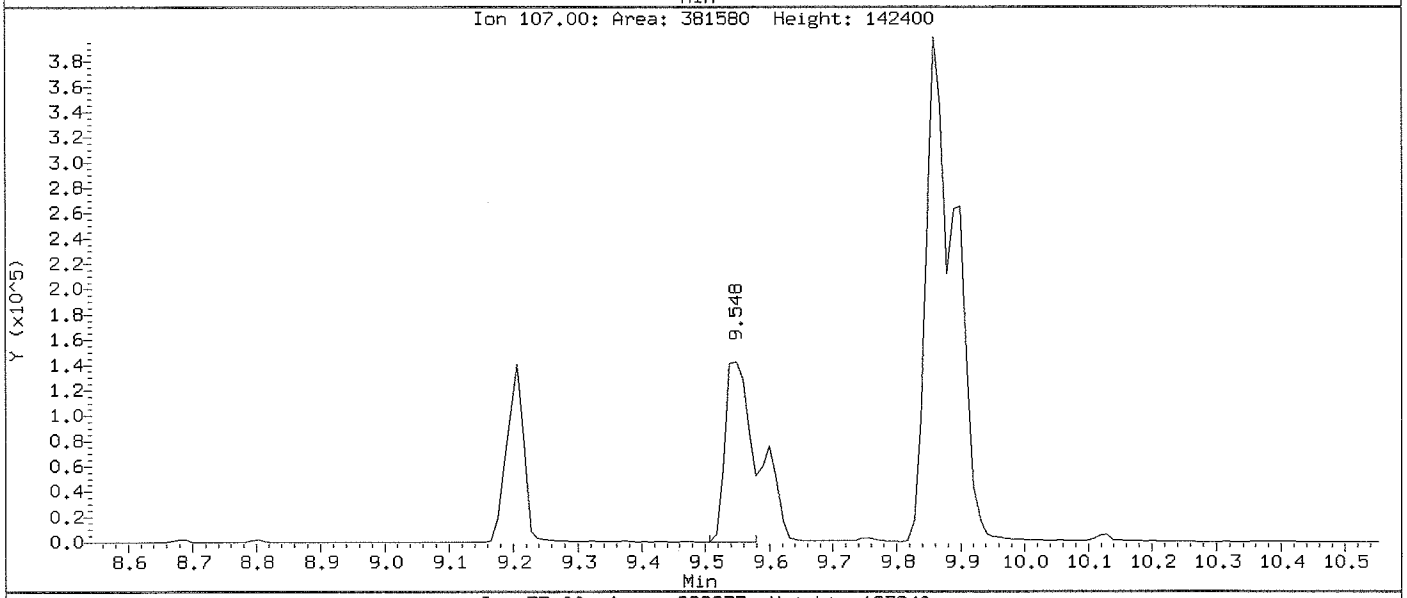


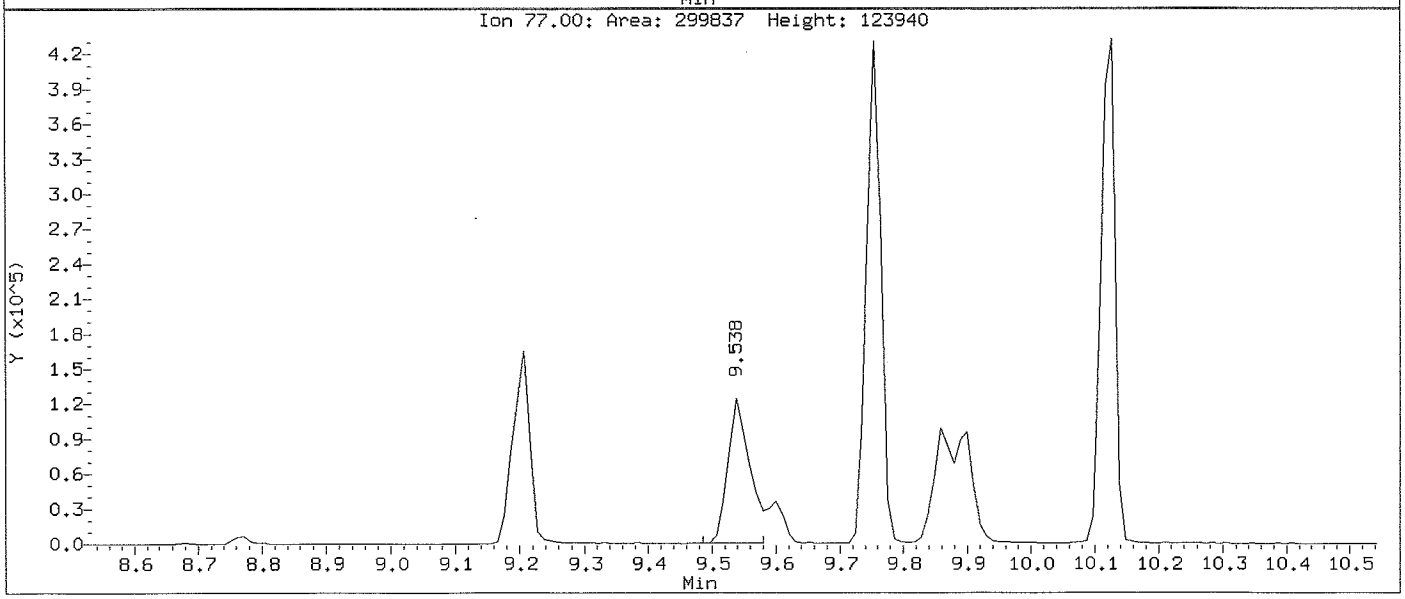


Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Injection Date: 23-MAY-2011 14:15
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

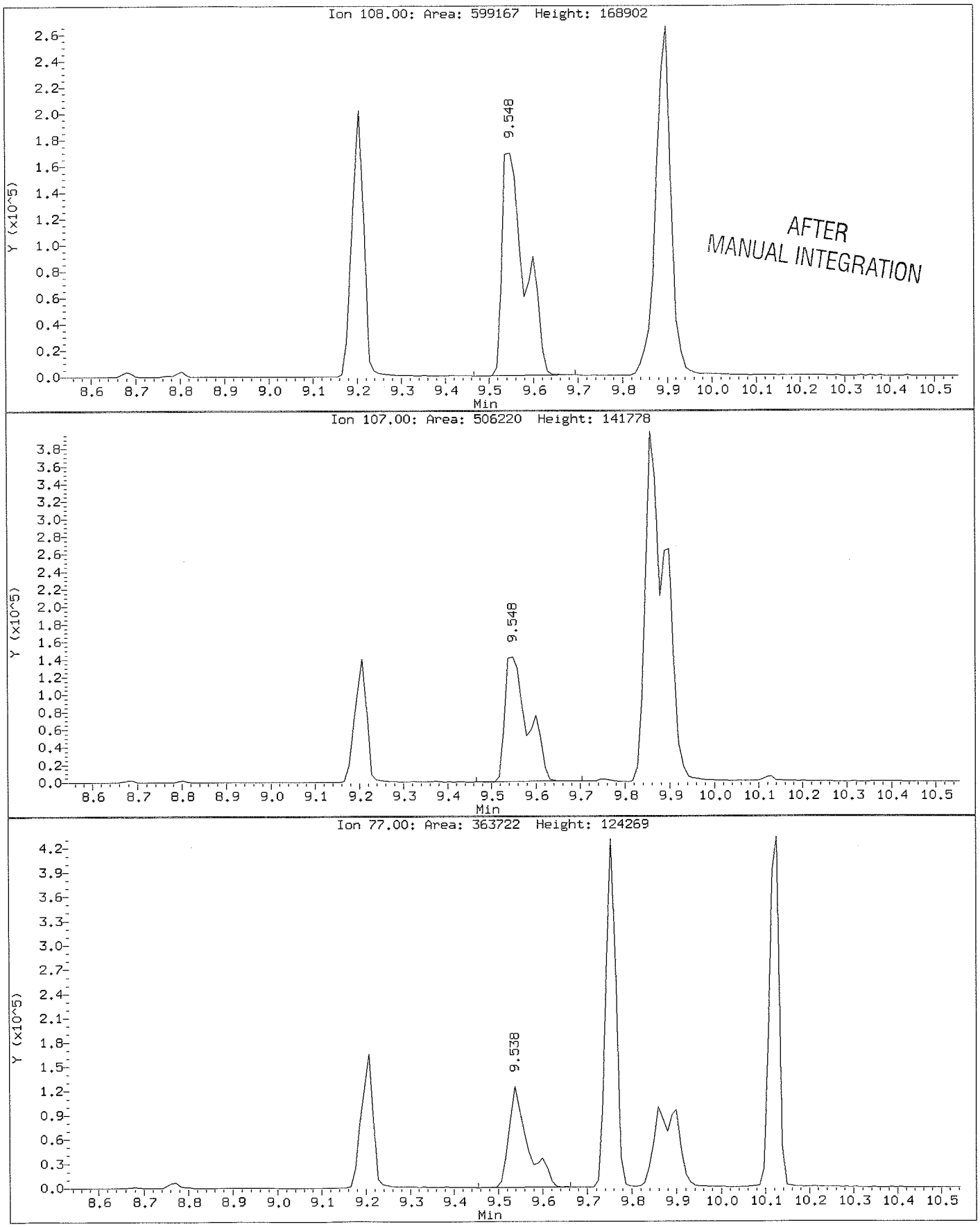






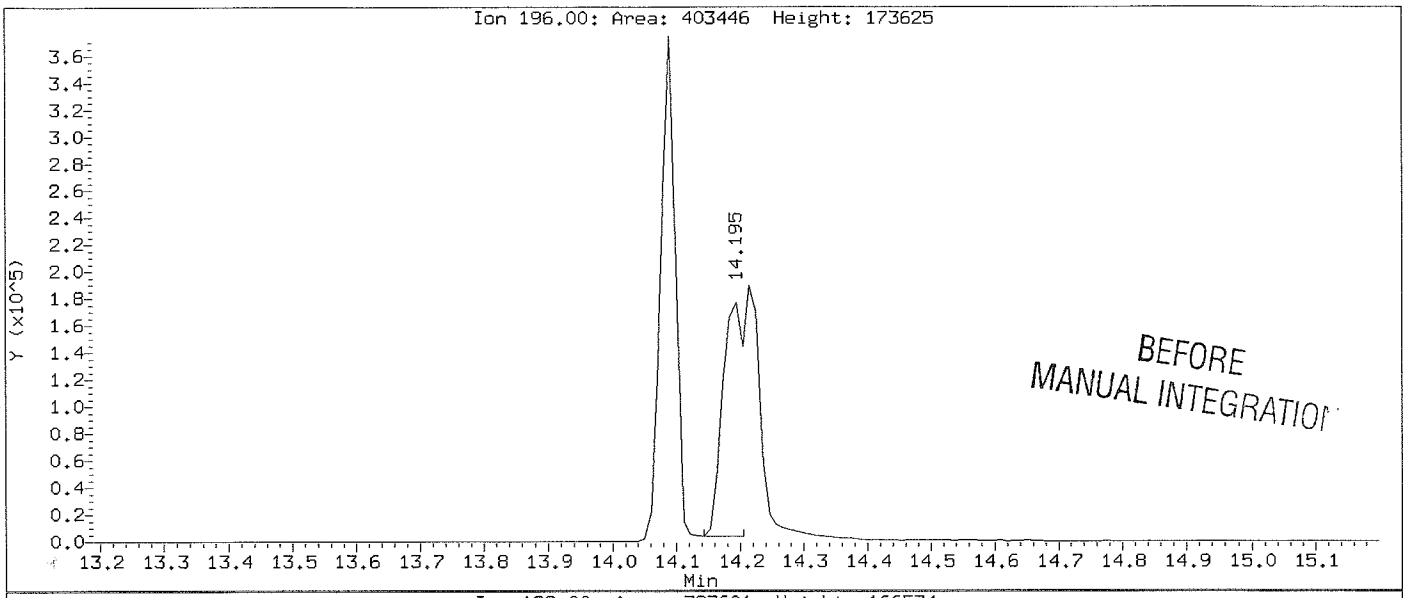
Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5805a.D
Injection Date: 23-MAY-2011 14:15
Instrument: gcms-u.i
Client Sample ID:

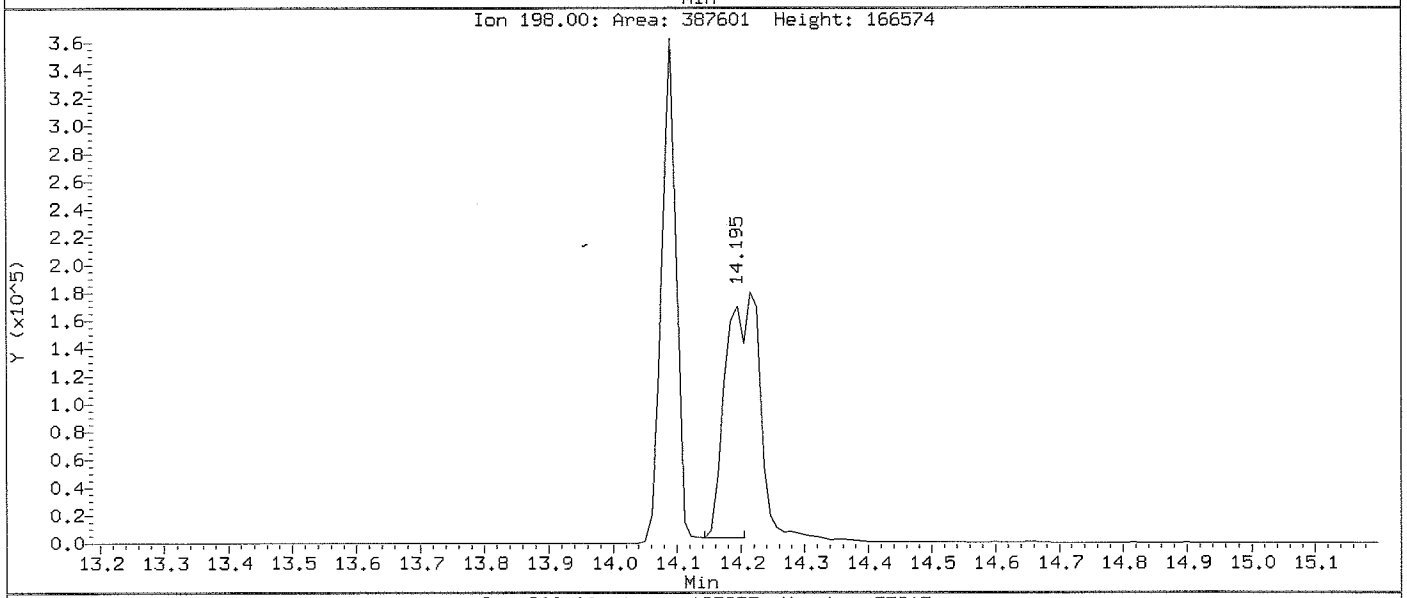
Compound: 2-Methylphenol
CAS Number: 95-48-7

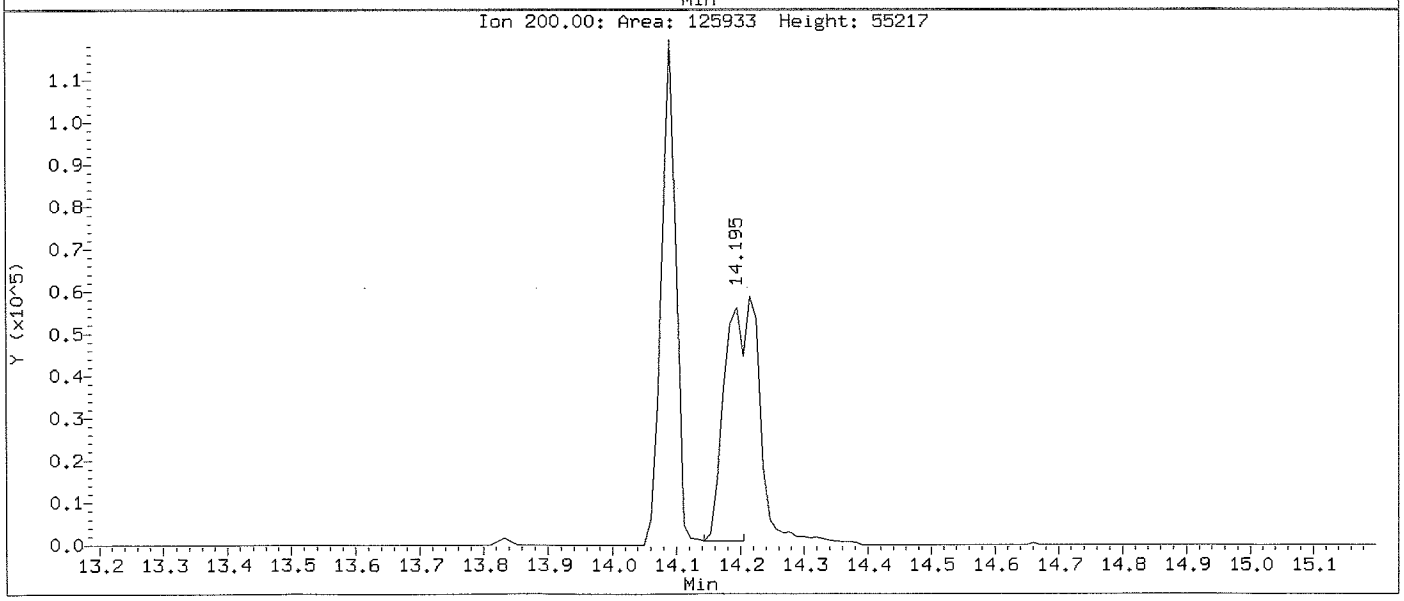


Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Injection Date: 23-MAY-2011 14:59
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4

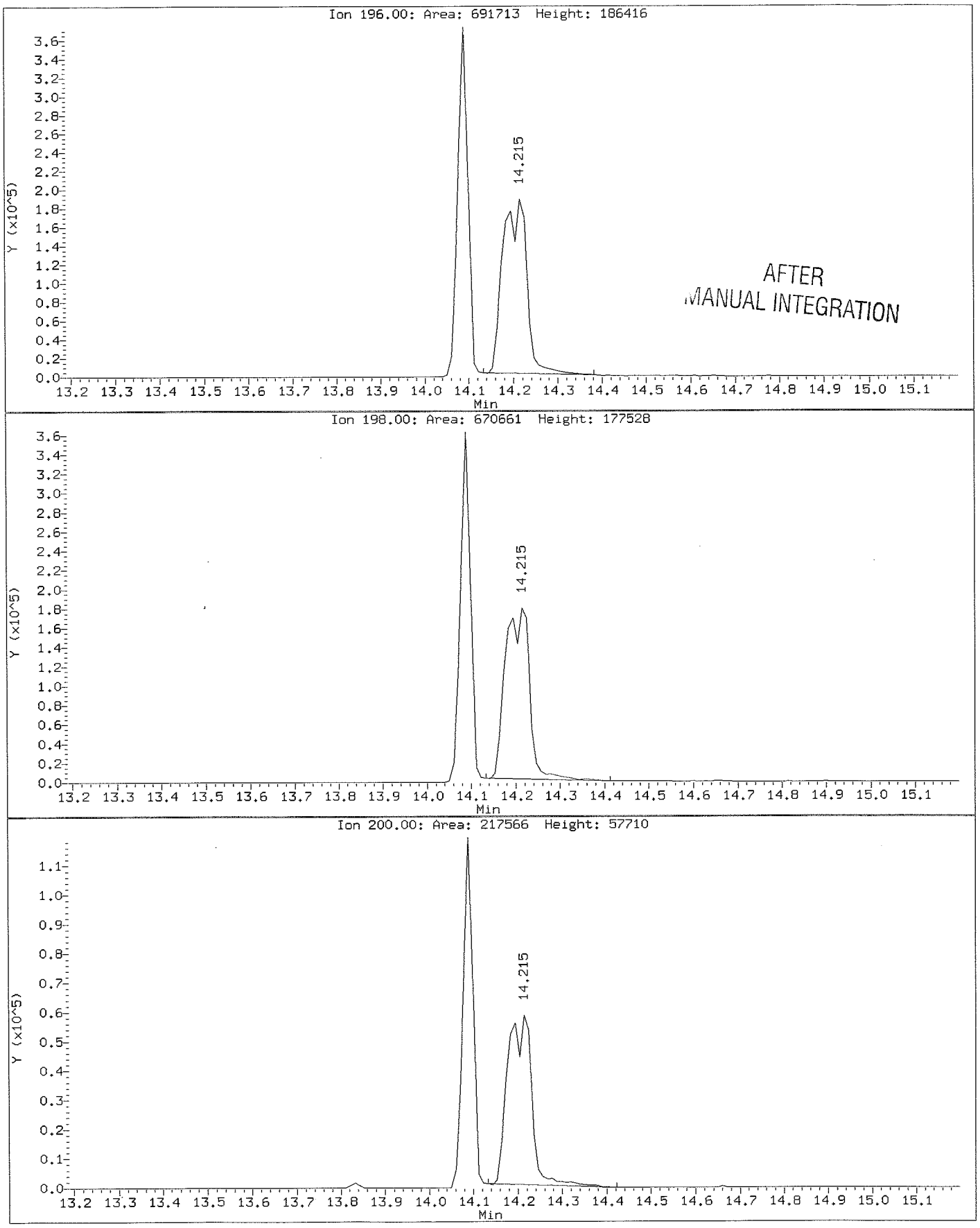






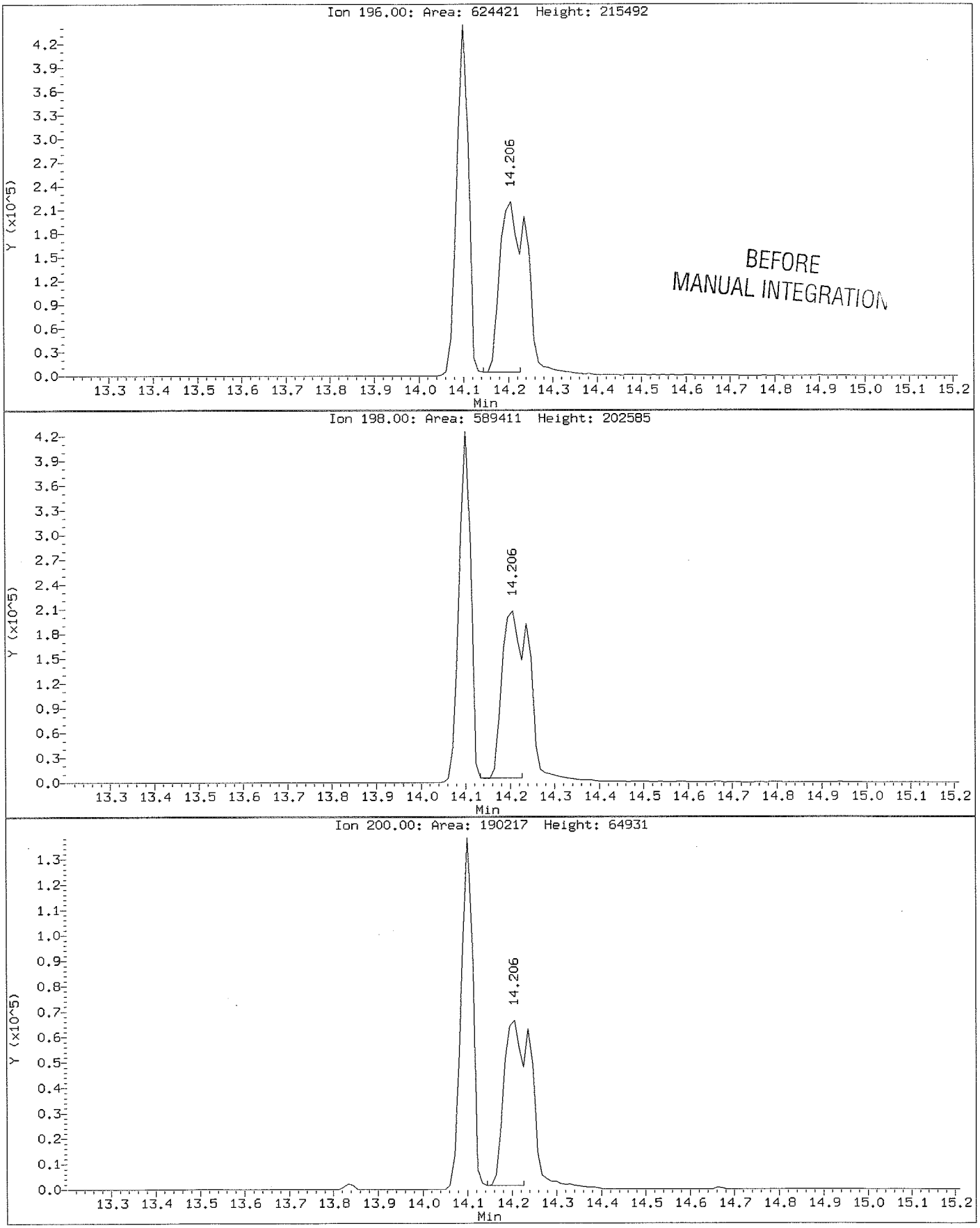
Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5806a.D
Injection Date: 23-MAY-2011 14:59
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



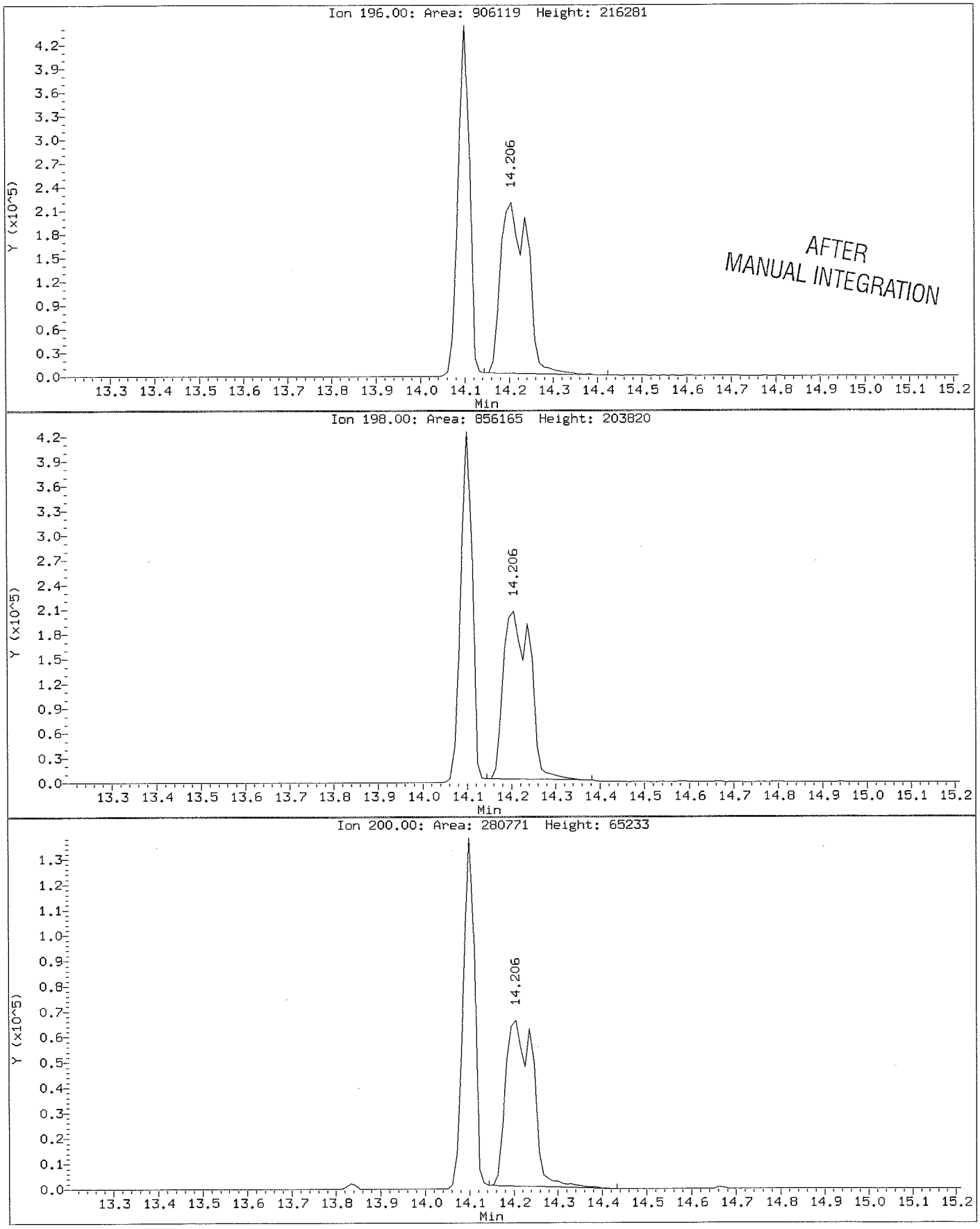
Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807a.D
Injection Date: 23-MAY-2011 15:43
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5807a.D
Injection Date: 23-MAY-2011 15:43
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



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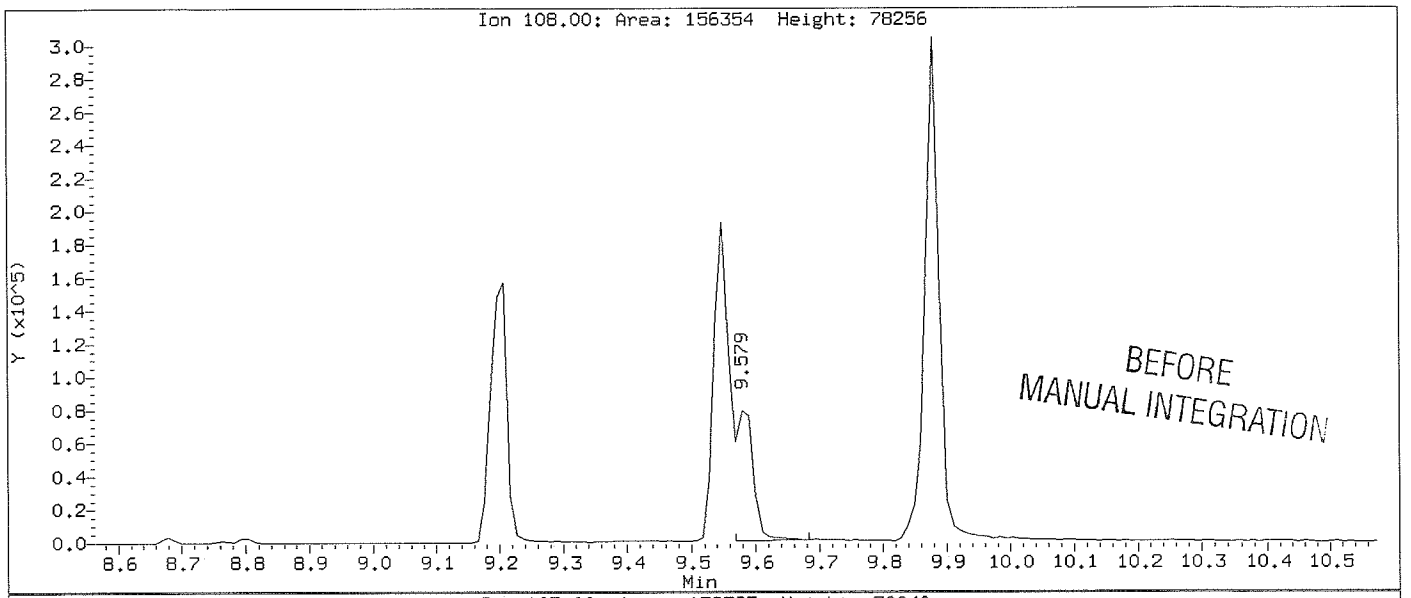
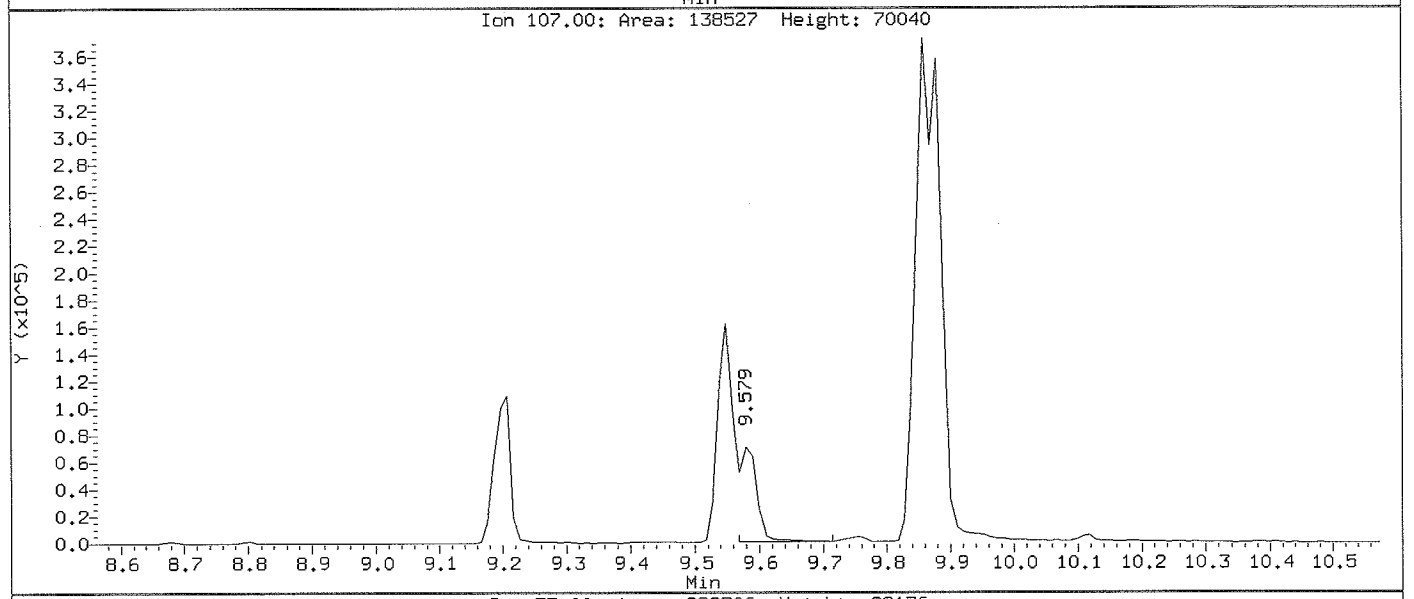
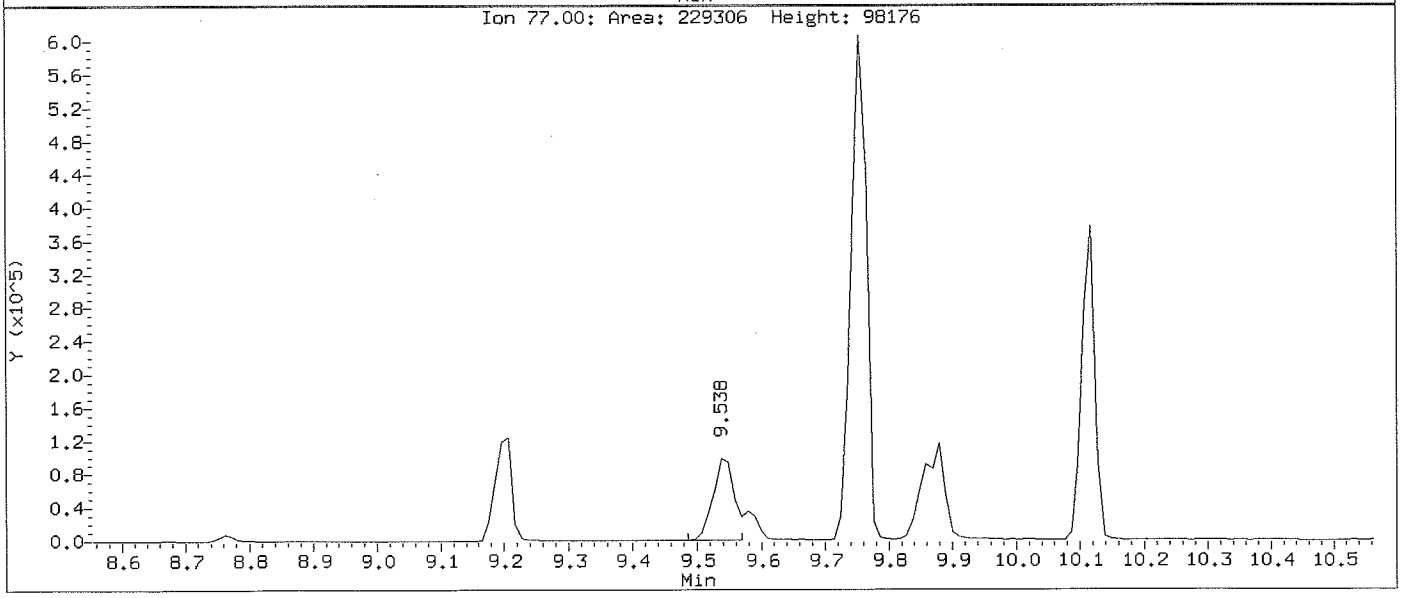
Injection Date: 23-MAY-2011 16:28
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

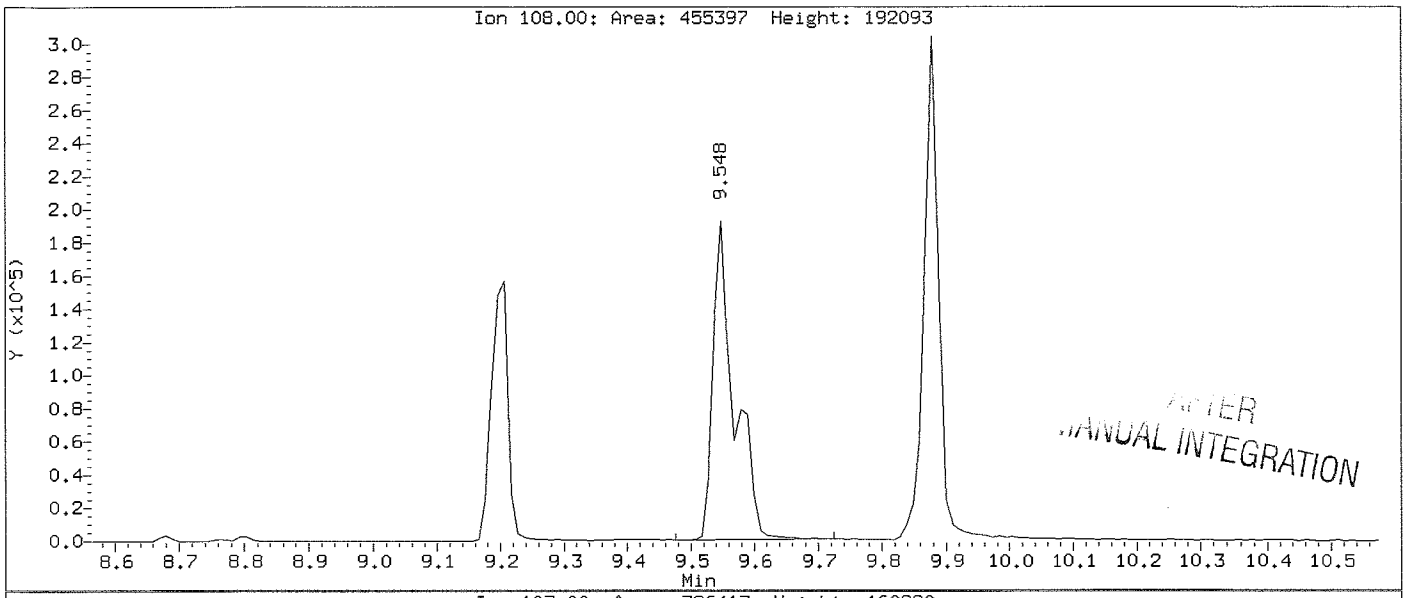


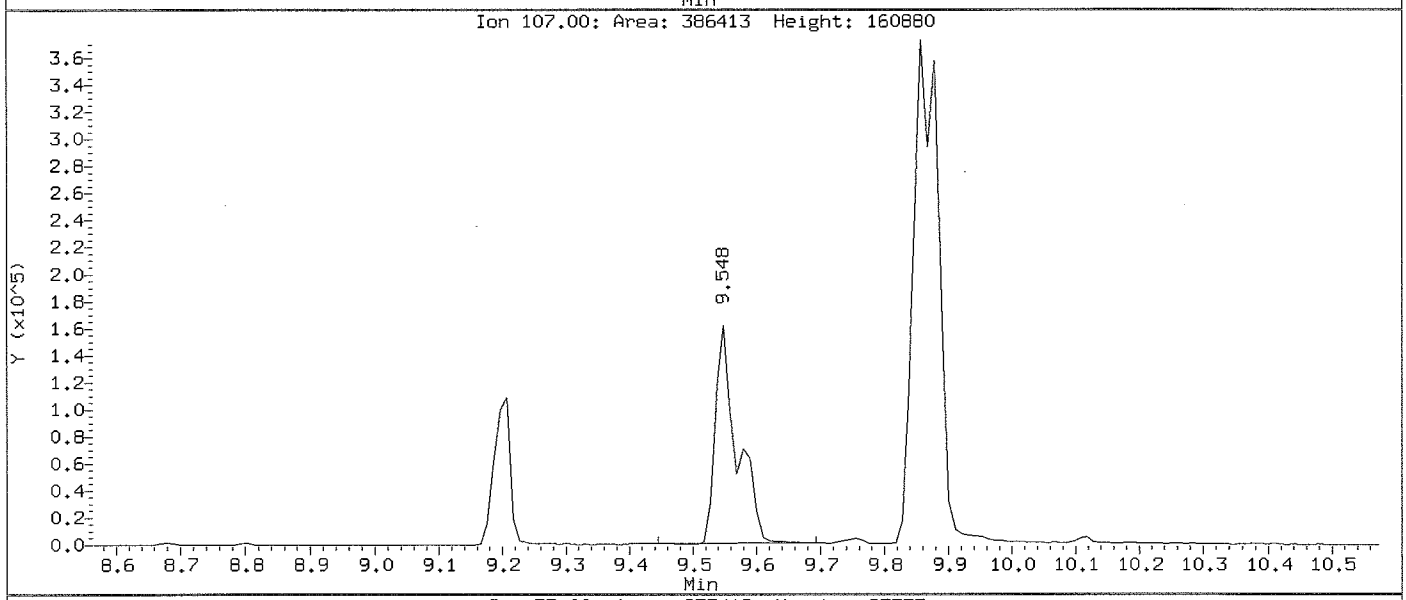


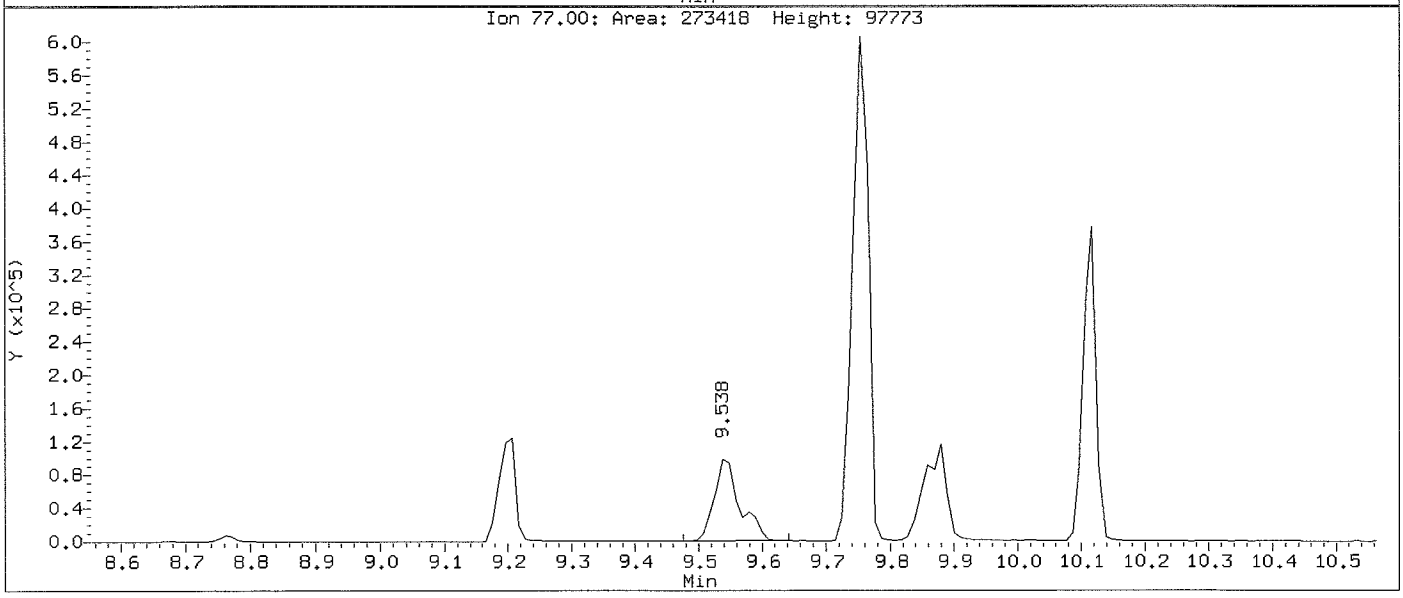


Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808a.D
Injection Date: 23-MAY-2011 16:28
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\U5808a.D
Report Date: 24-May-2011 11:21

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 8270C IND CHECK
Level: LOW
Data Type: MS DATA
SpikeList File: IND_tclp_check.spk
Sublist File: all.sub
Method File: \\target_server\GG\chem\gcms-u.i\U052311.b\UTCLPS88.m
Misc Info: SW846 8270C

Client SDG: 021497
Fraction: SV

Operator: JCG
SampleType: IND_CHECK
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Pyridine	50.0	47.5	95.10	80-120
5 1,4-Dichlorobenzen	50.0	50.7	101.38	80-120
6 2-Methylphenol	50.0	48.4	96.73	80-120
8 3&4-Methylphenol	50.0	48.8	97.64	80-120
7 Hexachloroethane	50.0	48.4	96.77	80-120
10 Nitrobenzene	50.0	51.8	103.68	80-120
12 Hexachlorobutadien	50.0	51.0	101.99	80-120
13 2,4,6-Trichlorophe	50.0	50.7	101.38	80-120
14 2,4,5-Trichlorophe	50.0	52.9	105.88	80-120
17 2,4-Dinitrotoluene	50.0	51.8	103.64	80-120
19 Hexachlorobenzene	50.0	49.0	98.04	80-120
20 Pentachlorophenol	50.0	57.7	115.47	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 2 2-Fluorophenol	100	0.000	*	10-80
$ 3 Phenol-D6	100	0.000	*	10-90
$ 9 Nitrobenzene-D5	50.0	0.000	*	41-91
$ 15 2-Fluorobiphenyl	50.0	0.000	*	43-90
$ 18 2,4,6-Tribromophe	100	0.000	*	37-112
$ 22 Terphenyl-D14	50.0	0.000	*	36-156

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB CAMP LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GCMS-U Calibration Date: 05/25/11 Time: 1113

Lab File ID: U5835A Init. Calib. Date(s): 05/23/11 05/23/11

Init. Calib. Times: 1200 1543

GC Column: RTX-5SILMS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Pyridine	1.1960000	1.2540000	0.01	4.85	20.00	AVRG	
1,4-Dichlorobenzene	1.2280000	1.1651000	0.01	-5.12	20.01	AVRG	
2-Methylphenol	0.9320000	0.9003900	0.01	-3.39	20.00	AVRG	
3&4-Methylphenol	0.9940000	0.9887700	0.01	-0.53	20.00	AVRG	
Hexachloroethane	0.4630000	0.4150000	0.01	-10.37	20.00	AVRG	
Nitrobenzene	0.2710000	0.2648700	0.01	-2.26	20.00	AVRG	
Hexachlorobutadiene	0.1660000	0.1425600	0.01	-14.12	20.01	AVRG	
2,4,6-Trichlorophenol	0.3210000	0.3099400	0.01	-3.44	20.01	AVRG	
2,4,5-Trichlorophenol	0.3480000	0.3421500	0.01	-1.68	20.00	AVRG	
2,4-Dinitrotoluene	0.2870000	0.2736000	0.01	-4.67	20.00	AVRG	
Hexachlorobenzene	0.2280000	0.1962400	0.01	-13.93	20.00	AVRG	
Pentachlorophenol	0.1260000	0.1184900	0.01	-5.96	20.01	AVRG	
2-Fluorophenol	1.0640000	1.0731000	0.01	0.86	20.00	AVRG	
Phenol-D6	1.2300000	1.2074000	0.01	-1.84	20.00	AVRG	
Nitrobenzene-D5	0.2800000	0.2692500	0.01	-3.84	20.00	AVRG	
2-Fluorobiphenyl	1.0070000	0.9600200	0.01	-4.66	20.00	AVRG	
2,4,6-Tribromophenol	0.1860000	0.1462200	0.01	-21.39	20.00	AVRG	<-
Terphenyl-D14	0.7980000	0.6883100	0.01	-13.75	20.00	AVRG	

FORM VII PEST

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Report Date: 25-May-2011 14:45

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Lab Smp Id: SSTD050U0525
Inj Date : 25-MAY-2011 11:13 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : SSTD050U0525
Misc Info : SW846 8270C
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 2 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 * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	1 Pyridine	79	3.858	3.858	(0.440)	550665	50.0000	52.4	
$	2 2-Fluorophenol	112	6.321	6.321	(0.721)	471214	50.0000	50.4	
$	3 Phenol-D6	99	8.257	8.257	(0.942)	530175	50.0000	49.0	
*	4 1,4-Dichlorobenzene-D4	152	8.764	8.764	(1.000)	351292	40.0000		
	5 1,4-Dichlorobenzene	146	8.795	8.795	(1.004)	511625	50.0000	47.4	
	6 2-Methylphenol	108	9.530	9.530	(1.087)	395376	50.0000	48.3(M)	M9
	7 Hexachloroethane	117	9.840	9.840	(1.123)	182231	50.0000	44.8	
	8 3&4-Methylphenol	108	9.882	9.882	(1.128)	434182	50.0000	49.7	
$	9 Nitrobenzene-D5	82	10.068	10.068	(0.868)	432458	50.0000	48.1	
	10 Nitrobenzene	77	10.109	10.109	(0.872)	425426	50.0000	48.9	
*	11 Naphthalene-D8	136	11.600	11.600	(1.000)	1284936	40.0000		
	12 Hexachlorobutadiene	225	12.107	12.107	(1.044)	228985	50.0000	43.0	
	13 2,4,6-Trichlorophenol	196	14.063	14.063	(0.893)	257167	50.0000	48.3	
	14 2,4,5-Trichlorophenol	196	14.166	14.166	(0.899)	283893	50.0000	49.1	
$	15 2-Fluorobiphenyl	172	14.239	14.239	(0.904)	796563	50.0000	47.7	
*	16 Acenaphthene-D10	164	15.750	15.750	(1.000)	663785	40.0000		
	17 2,4-Dinitrotoluene	165	16.433	16.433	(1.043)	227015	50.0000	47.7	
$	18 2,4,6-Tribromophenol	330	17.665	17.665	(1.122)	121326	50.0000	39.3	
	19 Hexachlorobenzene	284	18.514	18.514	(0.963)	243563	50.0000	42.9	
	20 Pentachlorophenol	266	19.000	19.000	(0.989)	147066	50.0000	46.8	
*	21 Phenanthrene-D10	188	19.217	19.217	(1.000)	992895	40.0000		
$	22 Terphenyl-D14	244	23.119	23.119	(0.906)	587672	50.0000	43.1	

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Report Date: 25-May-2011 14:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
* 23 Chrysene-D12	240	25.521	25.521	(1.000)	683033	40.0000		
* 24 Perylene-D12	264	28.677	28.677	(1.000)	454145	40.0000		

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Report Date: 25-May-2011 14:45

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5835a.D
Lab Smp Id: SSTD050U0525
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: SW846 8270C

Calibration Date: 25-MAY-2011
Calibration Time: 11:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

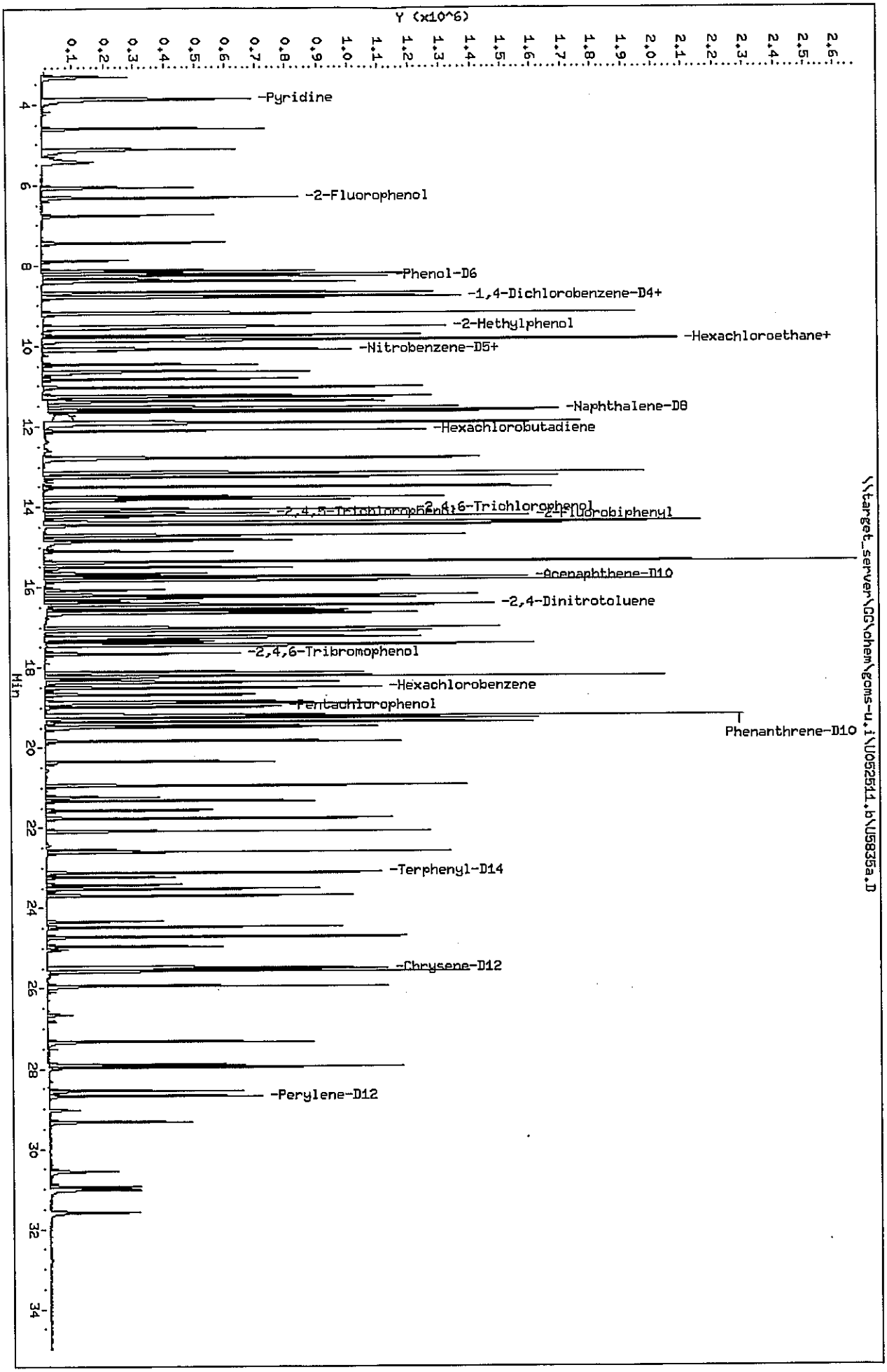
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	351292	7.32
11 Naphthalene-D8	1261487	630744	2522974	1284936	1.86
16 Acenaphthene-D10	688599	344300	1377198	663785	-3.60
21 Phenanthrene-D10	1066957	533479	2133914	992895	-6.94
23 Chrysene-D12	669261	334631	1338522	683033	2.06
24 Perylene-D12	342377	171189	684754	454145	32.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.03
11 Naphthalene-D8	11.61	11.11	12.11	11.60	-0.07
16 Acenaphthene-D10	15.76	15.26	16.26	15.75	-0.05
21 Phenanthrene-D10	19.23	18.73	19.73	19.22	-0.04
23 Chrysene-D12	25.53	25.03	26.03	25.52	-0.03
24 Perylene-D12	28.69	28.19	29.19	28.68	-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.

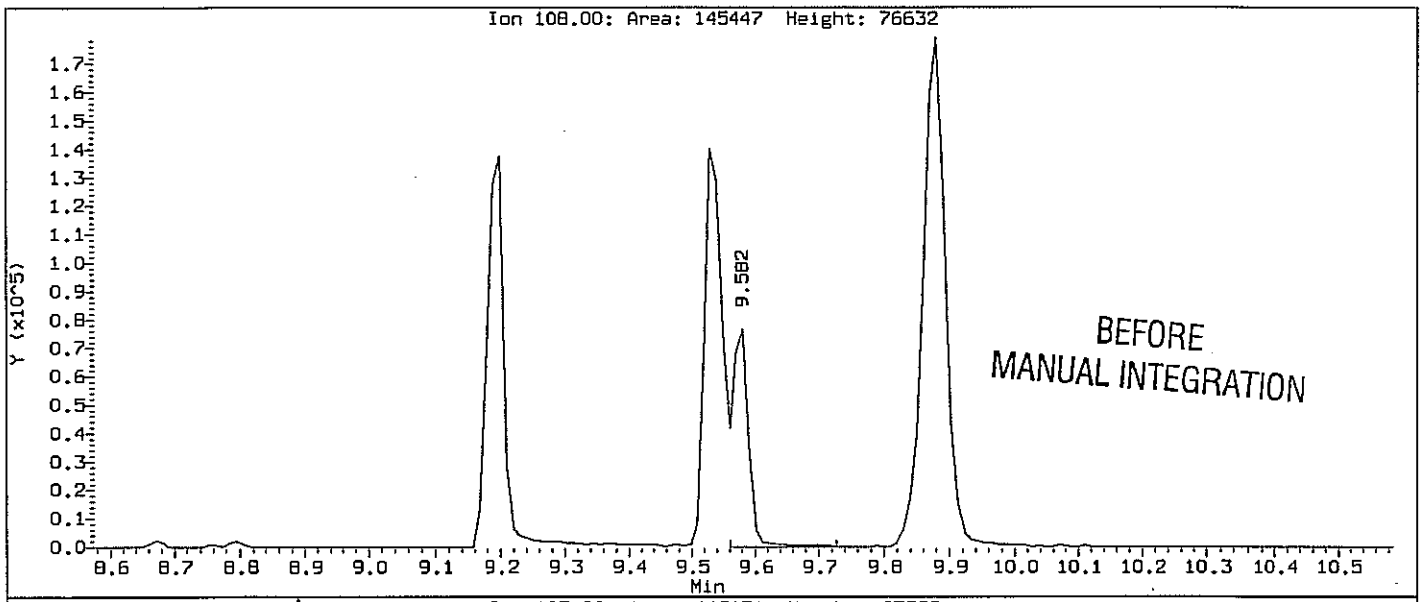
Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\U5835a.D
Date : 25-MAY-2011 11:13
Client ID:
Sample Info: SSTD050U0525
Purge Volume: 1.0
Column phase: RTX-5SILMS

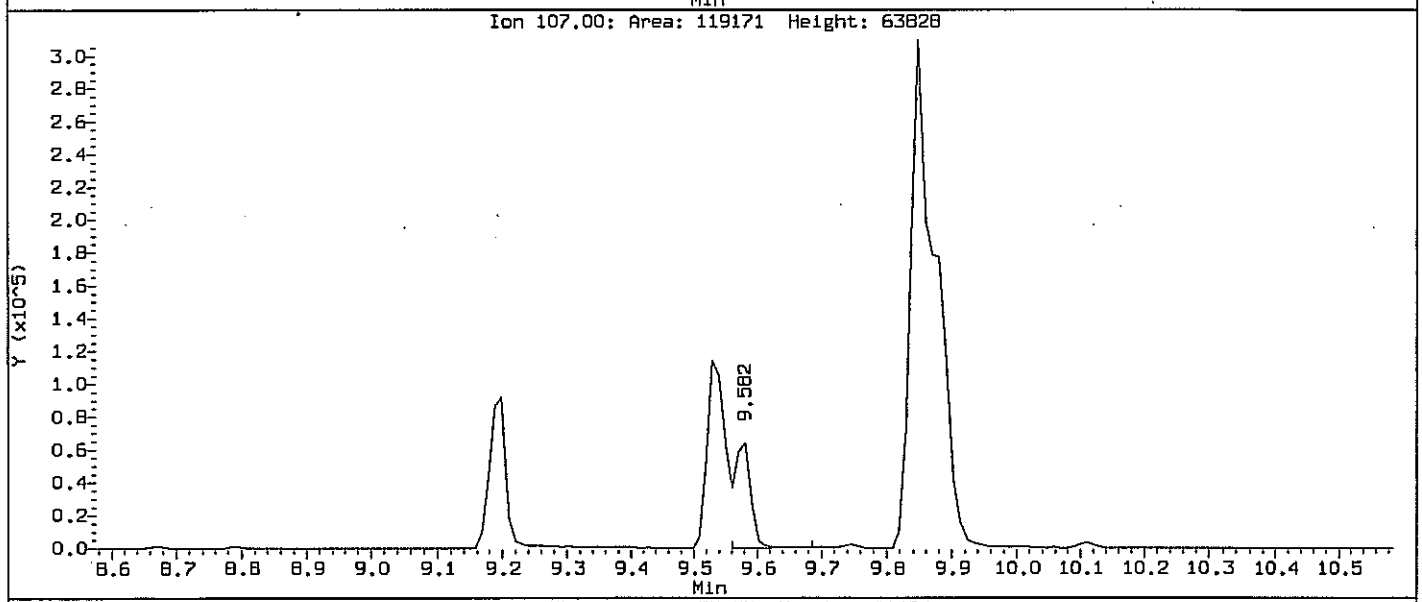
Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25

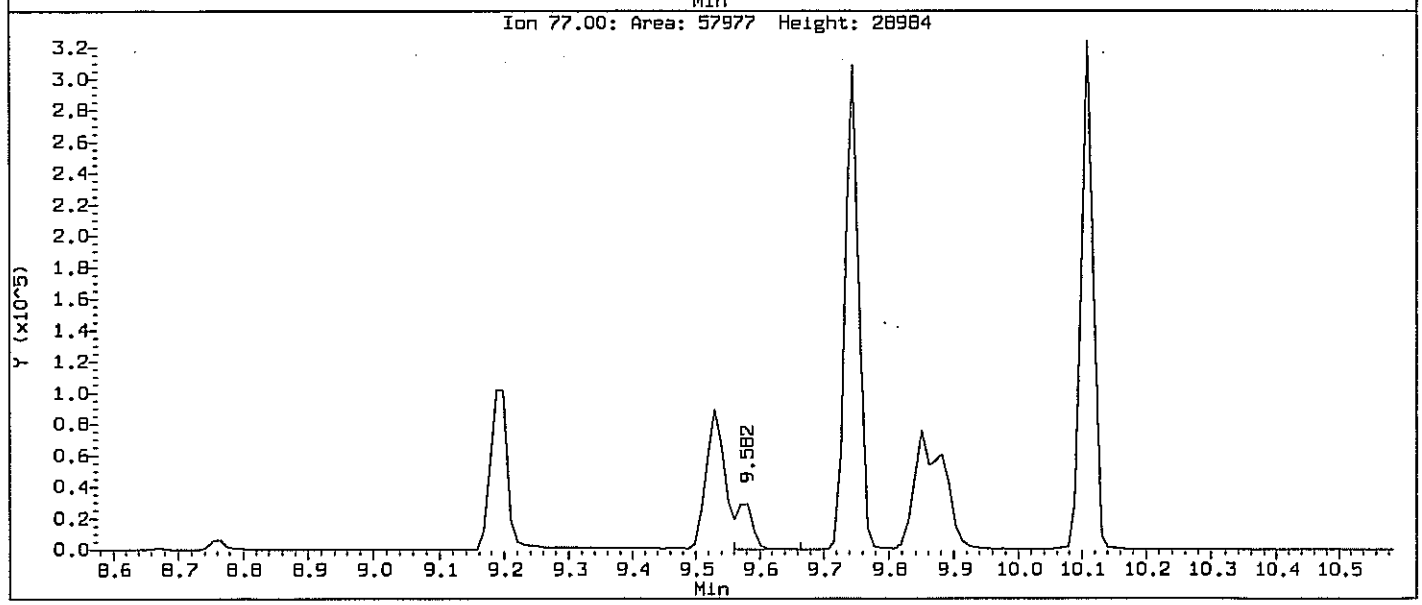


Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

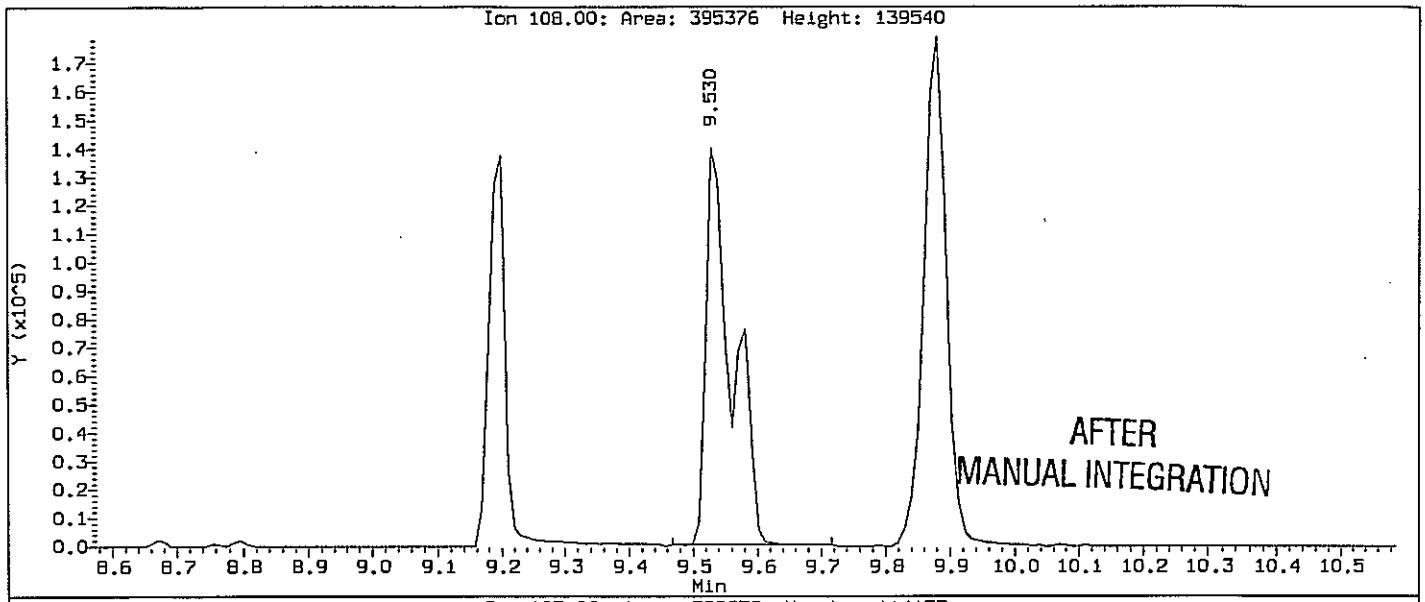


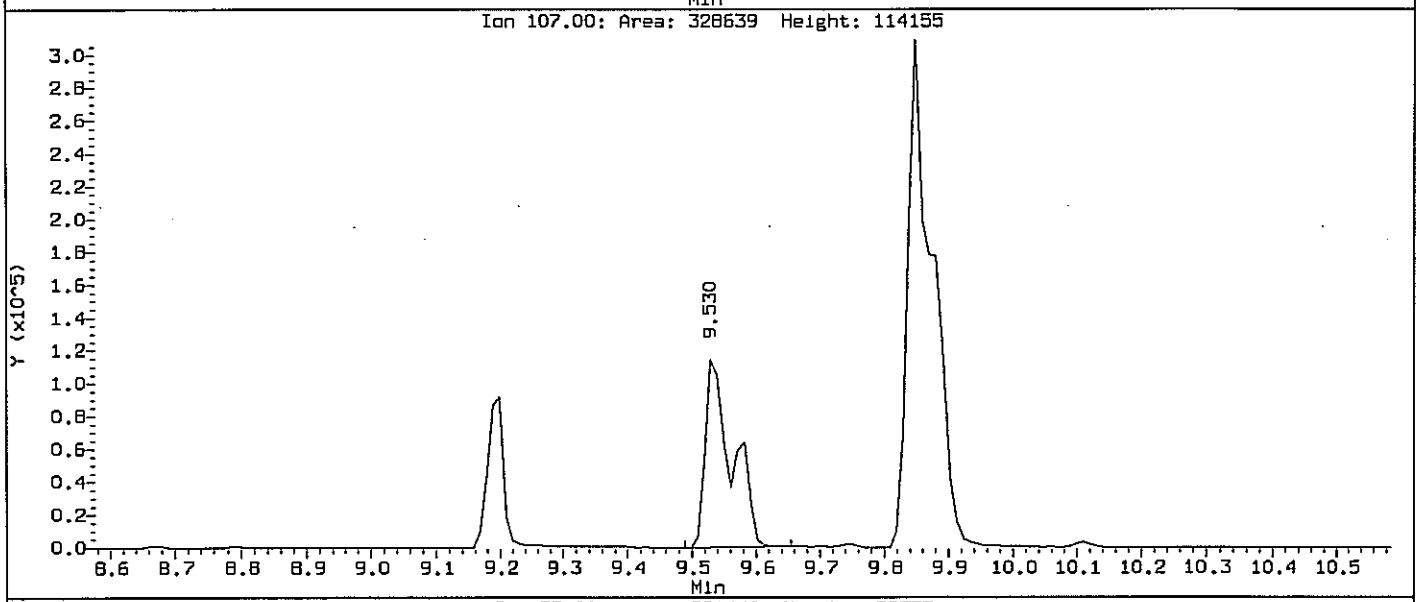


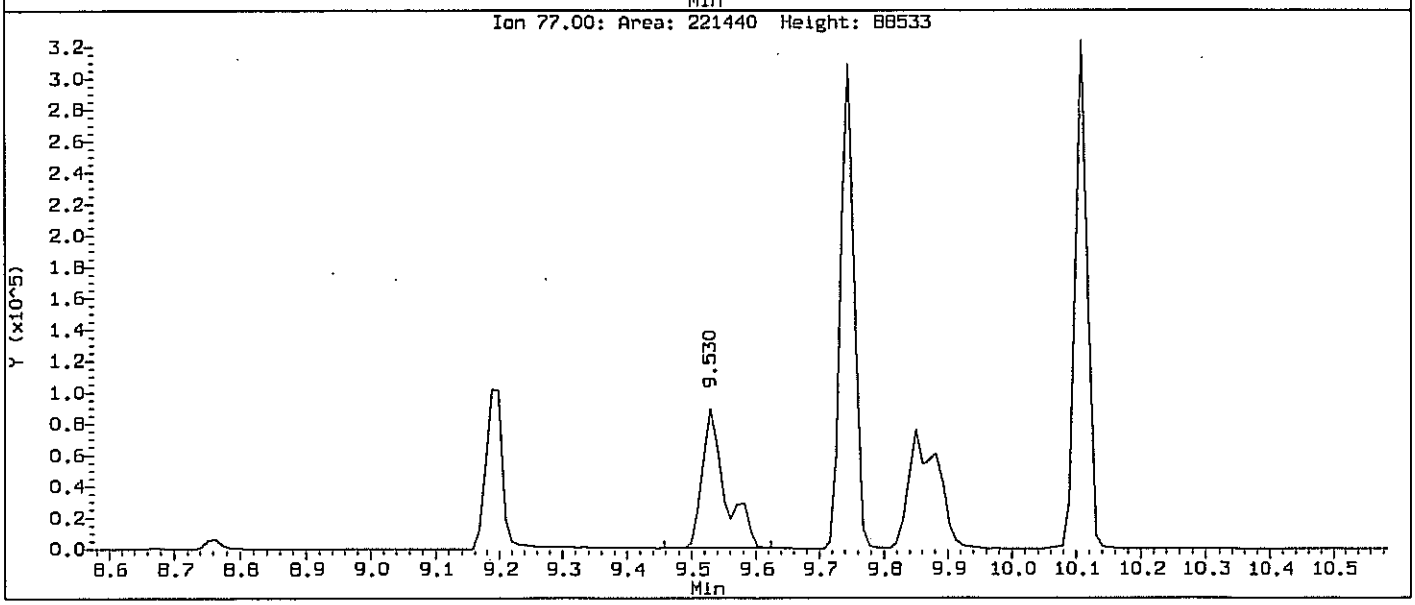


Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5835a.D
Injection Date: 25-MAY-2011 11:13
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7







Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02

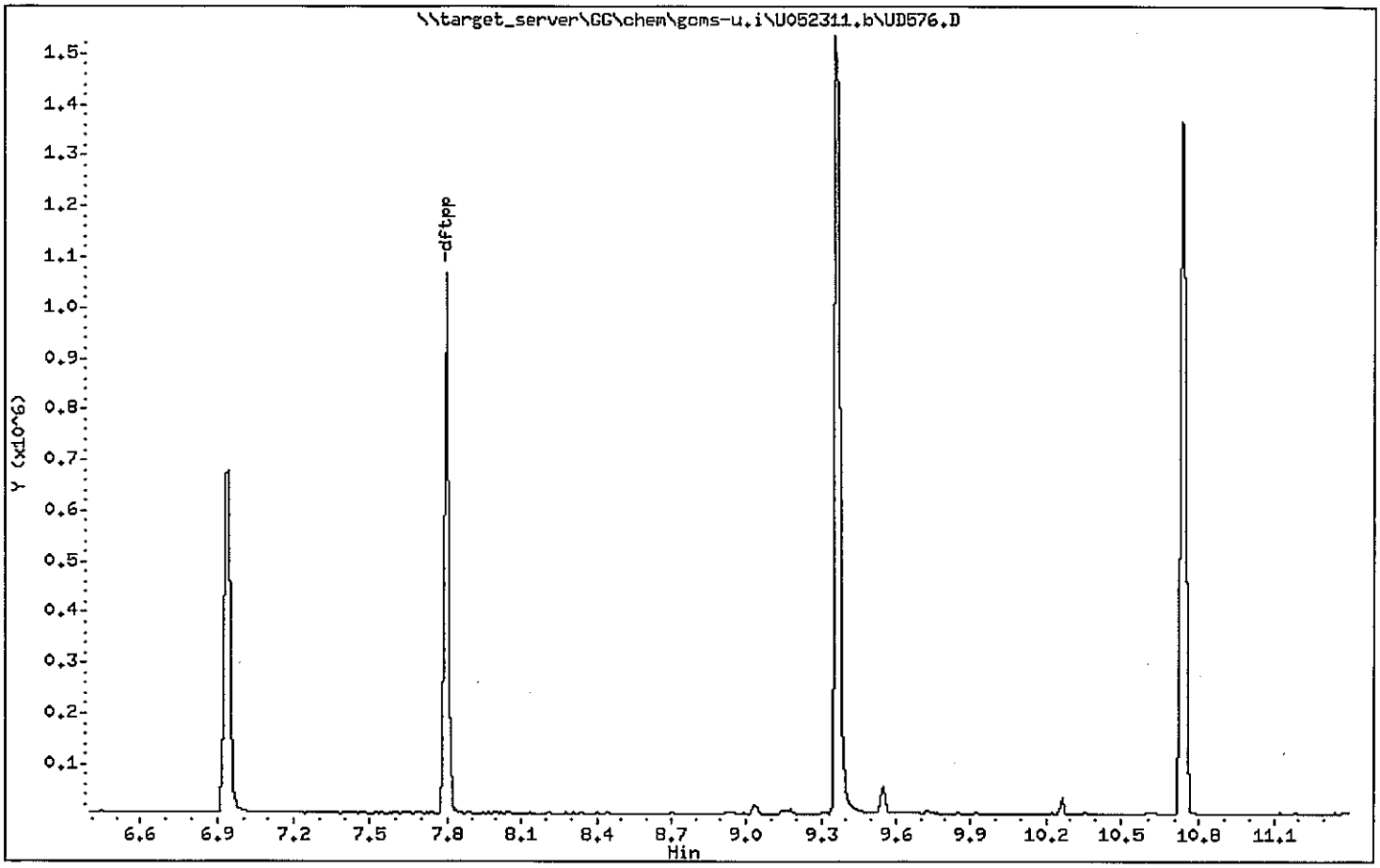
Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

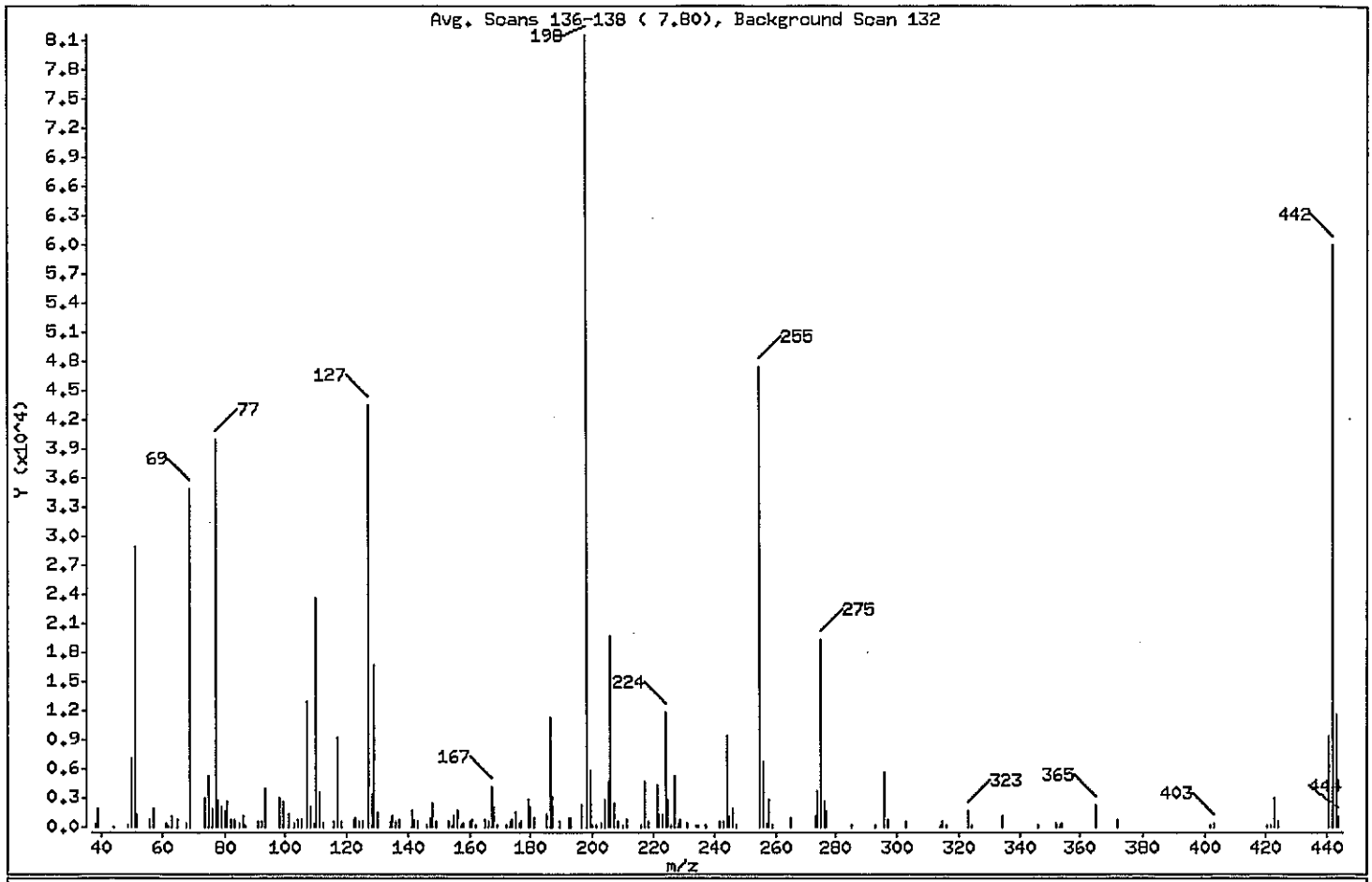
Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.45
68	Less than 2.00% of mass 69	0.51 (1.20)
69	Less than 100.00% of mass 198	42.80
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.30
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.15
275	10.00 - 30.00% of mass 198	23.57
365	1.00 - 100.00% of mass 198	2.77
441	0.01 - 100.00% of mass 443	11.54 (81.53)
442	40.00 - 100.00% of mass 198	73.64
443	17.00 - 23.00% of mass 442	14.16 (19.23)

Data File: \\target_server\GG\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD576.D

Spectrum: Avg. Scans 136-138 (7.80), Background Scan 132

Location of Maximum: 198.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	368	112.00	431	177.00	530	245.00	1087
39.00	1906	116.00	590	179.00	2810	246.00	1877
44.00	18	117.00	9234	180.00	2148	247.00	207
49.00	128	118.00	538	181.00	905	255.00	47408
50.00	7080	122.00	664	185.00	1237	256.00	6709
51.00	28904	123.00	974	186.00	11296	257.00	334
52.00	1275	124.00	527	187.00	3257	258.00	2857
56.00	821	125.00	490	189.00	577	259.00	213
57.00	1917	127.00	43456	192.00	846	265.00	1026
61.00	389	128.00	3323	193.00	924	273.00	1044
62.00	180	129.00	16672	196.00	2189	274.00	3711
63.00	1149	130.00	1591	198.00	81536	275.00	19216
65.00	674	134.00	498	199.00	5828	276.00	2715
68.00	419	135.00	1173	200.00	220	277.00	1694
69.00	34896	136.00	488	201.00	187	285.00	170
74.00	3060	137.00	724	203.00	380	293.00	279
75.00	5277	141.00	1647	204.00	2857	296.00	5640
76.00	1785	142.00	657	205.00	4749	297.00	700
77.00	39968	143.00	481	206.00	19640	303.00	581
78.00	2780	146.00	180	207.00	2506	314.00	172
79.00	2123	147.00	958	208.00	631	315.00	473
80.00	1617	148.00	2354	210.00	194	316.00	201
81.00	2679	149.00	476	211.00	782	323.00	1717
82.00	699	153.00	595	216.00	220	324.00	230
83.00	692	154.00	210	217.00	4757	334.00	1170
85.00	398	155.00	1086	218.00	599	346.00	211
86.00	1050	156.00	1708	221.00	4338	352.00	305
87.00	186	157.00	205	222.00	1312	353.00	225
91.00	567	158.00	438	223.00	1317	354.00	283
92.00	518	160.00	510	224.00	11726	365.00	2260
93.00	3999	161.00	821	225.00	2905	372.00	674
98.00	2993	162.00	220	226.00	173	402.00	193
99.00	2700	165.00	765	227.00	5179	403.00	397
101.00	1360	166.00	531	228.00	404	421.00	278
103.00	426	167.00	4099	229.00	798	422.00	222

Data File: \\target_server\GC\chem\gcms-u.i\U052311.b\UD576.D

Date : 23-MAY-2011 09:57

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD576.D

Spectrum: Avg. Scans 136-138 (7.80), Background Scan 132

Location of Maximum: 198.00

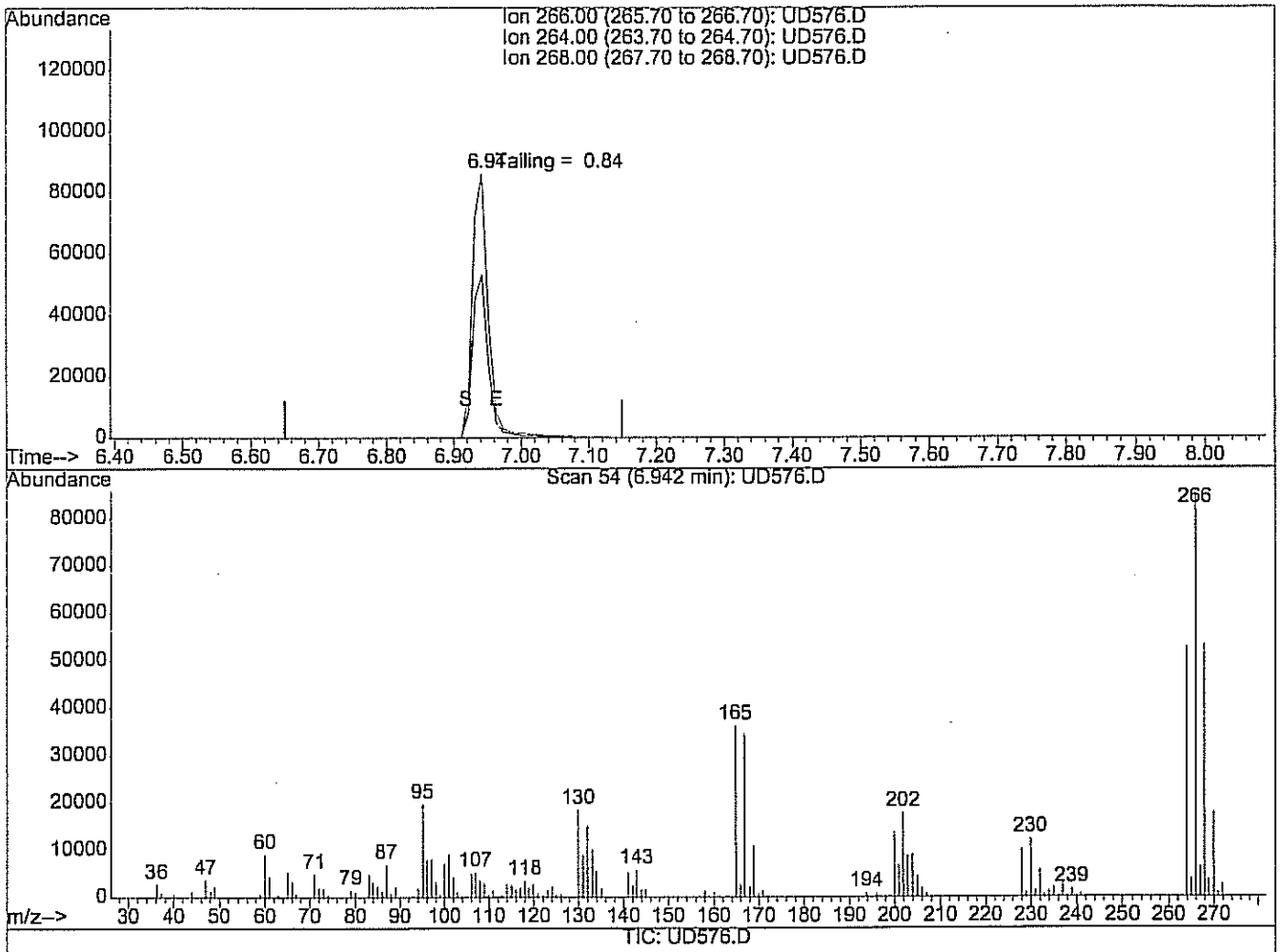
Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	785	168.00	2079	231.00	324	423.00	3078
105.00	739	169.00	188	234.00	187	424.00	526
107.00	12921	172.00	176	235.00	191	441.00	9412
108.00	2101	173.00	471	237.00	188	442.00	60040
109.00	380	174.00	775	242.00	631	443.00	11544
110.00	23680	175.00	1529	243.00	521	444.00	1084
111.00	3629	176.00	440	244.00	9424		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D
Acq On : 23 May 2011 9:57 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSD Tune : May23am.TUN
Quant Time : Mon May 23 10:10 2011
Quant Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Quant Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res



(1) Pentachlorophenol (CM)

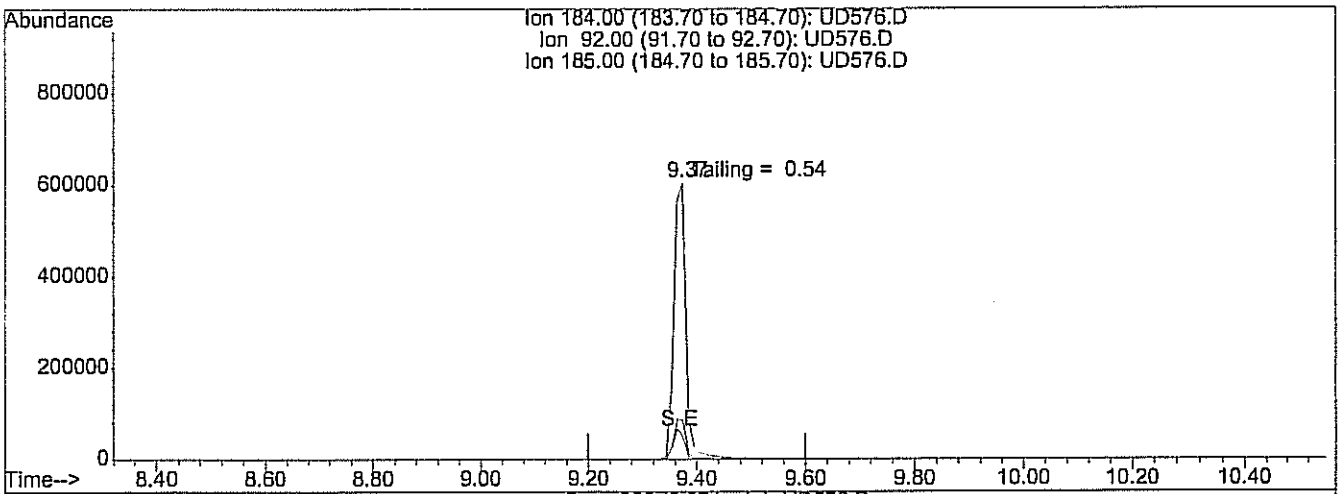
6.94min 64.41ug/L

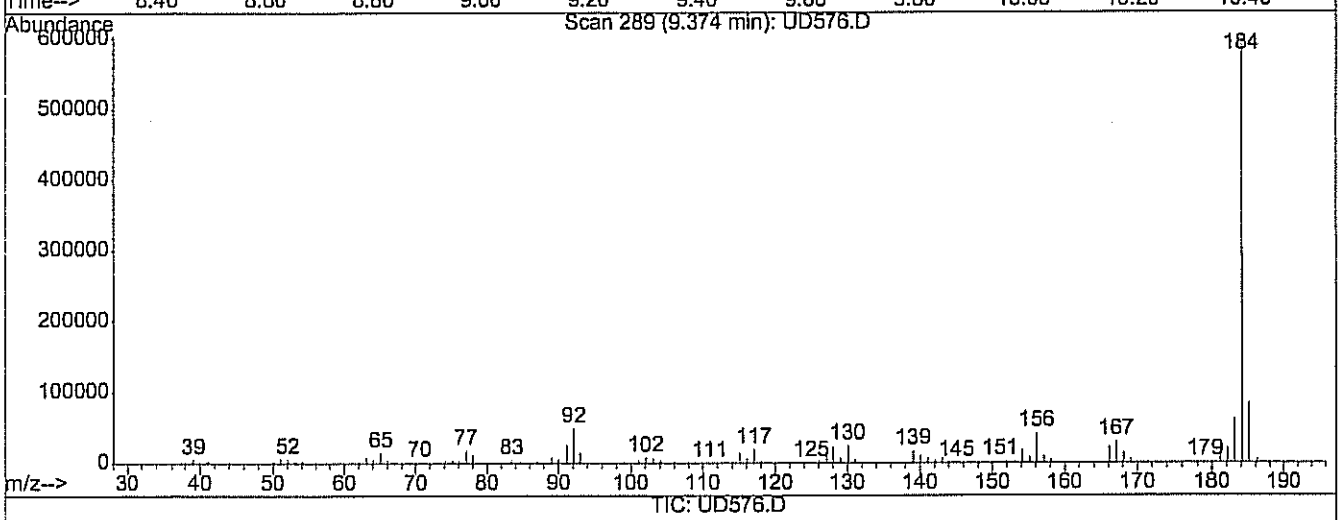
response 142405

Ion	Exp%	Act%
266.00	100	100
264.00	62.00	61.37
268.00	63.50	62.11
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D Vial: 1
Acq On : 23 May 2011 9:57 am Operator: JCG
Sample : 50ng DFTPP Inst : GC/MS Ins
Misc : 5973-U;TUNE Multiplr: 1.00
Quant Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator) Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD576.D

(2) Benzidine (T)

9.37min 210.21ug/L

response 943015

Ion	Exp%	Act%
184.00	100	100
92.00	12.20	10.29
185.00	14.40	14.79
0.00	0.00	0.00

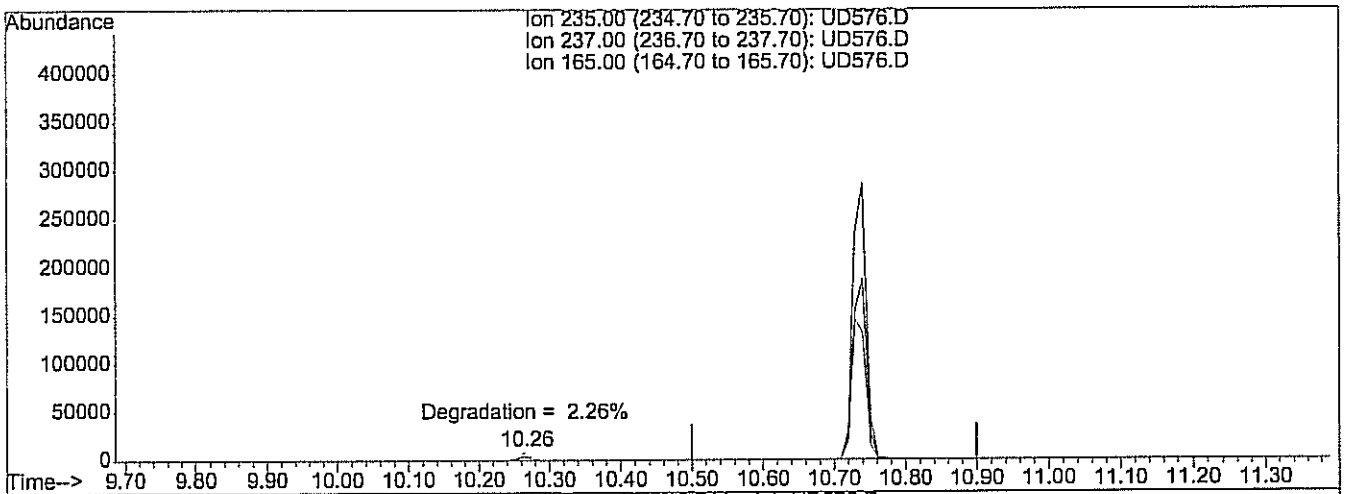
UD576.D TUNETAIL.M Mon May 23 10:10:59 2011

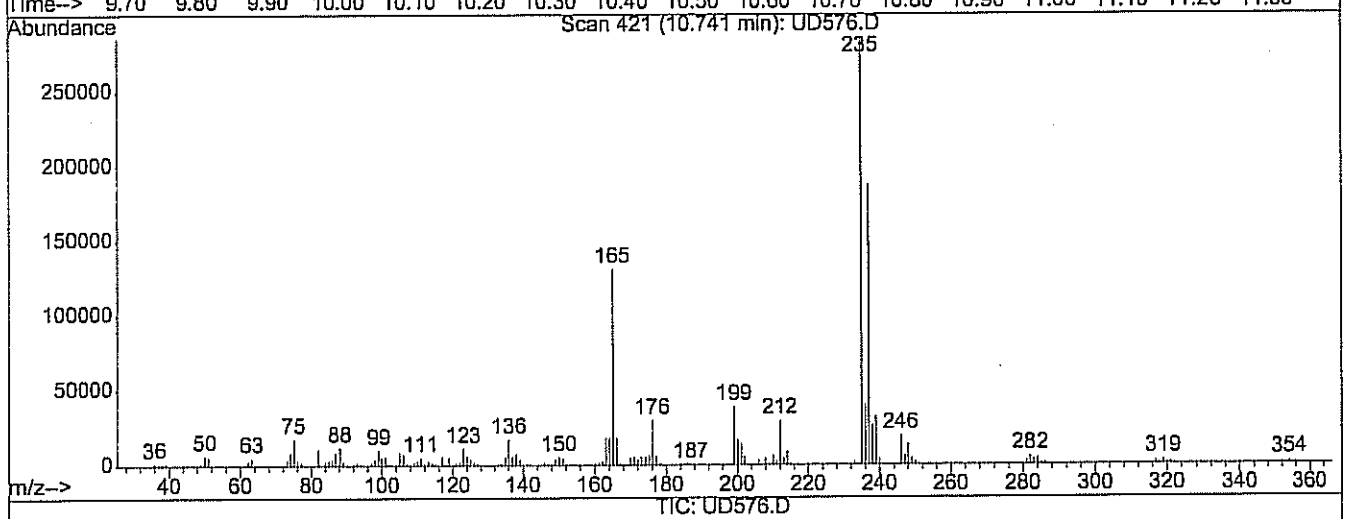
Quantitation Report

Data File : C:\HPCHEM\1\DATA\U052311\UD576.D
Acq On : 23 May 2011 9:57 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSAmtEgmatiMayPaTam9:1SEP01

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





(3) 4,4'-DDT (T)

10.74min 82.75ug/L

response 371247

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	65.68
165.00	50.00	53.44
0.00	0.00	0.00

Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

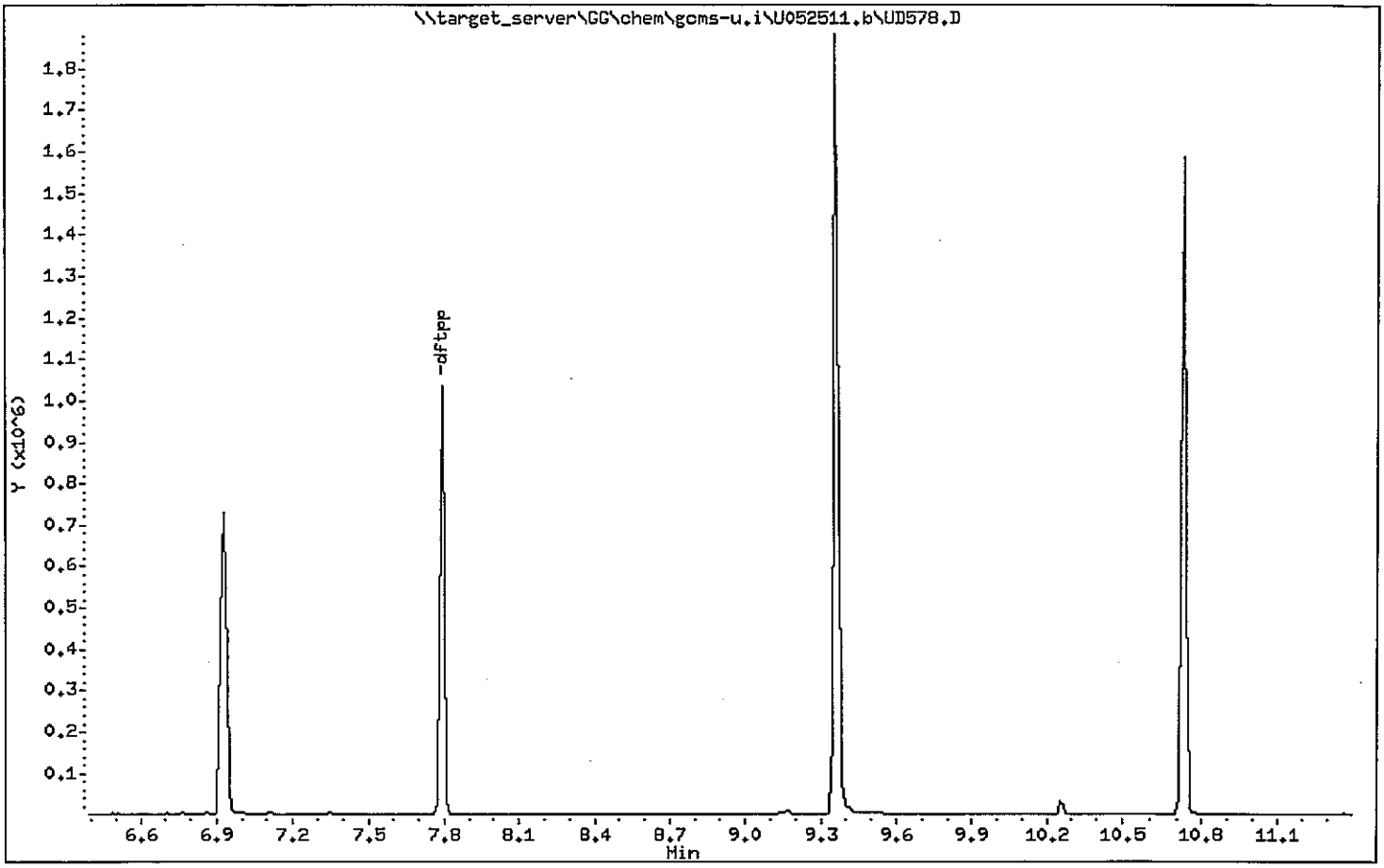
Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25



Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

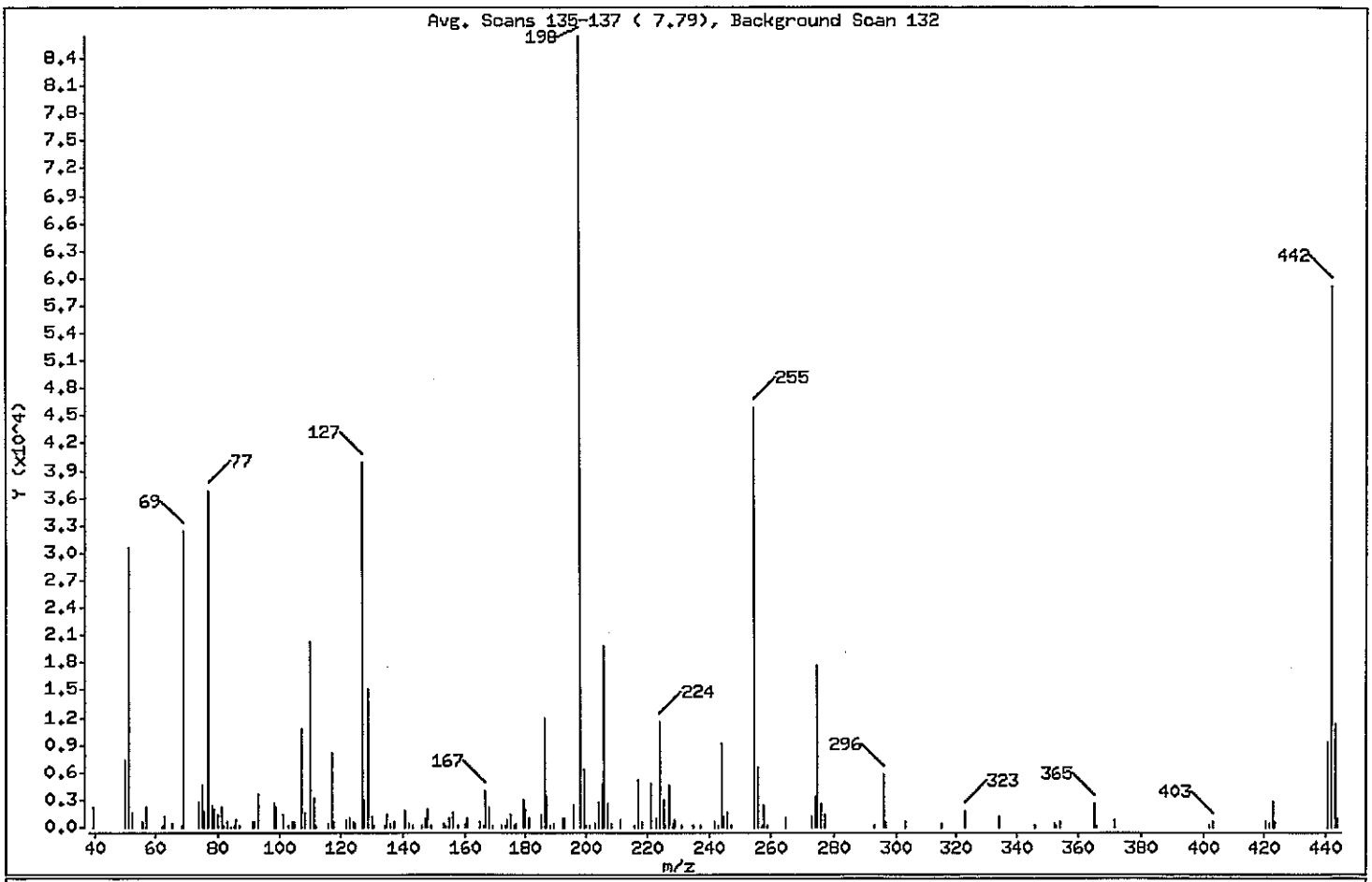
Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.45
68	Less than 2.00% of mass 69	0.28 (0.75)
69	Less than 100.00% of mass 198	37.54
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.30
275	10.00 - 30.00% of mass 198	20.50
365	1.00 - 100.00% of mass 198	2.88
441	0.01 - 100.00% of mass 443	10.84 (82.52)
442	40.00 - 100.00% of mass 198	68.44
443	17.00 - 23.00% of mass 442	13.13 (19.18)

Data File: \\target_server\CG\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

Data File: UD578.D

Spectrum: Avg. Scans 135-137 (7.79), Background Scan 132

Location of Maximum: 198.00

Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2259	117.00	8065	179.00	2932	246.00	1520
50.00	7344	118.00	545	180.00	2020	247.00	173
51.00	30624	122.00	702	181.00	973	255.00	45848
52.00	1603	123.00	1022	185.00	1323	256.00	6648
56.00	694	124.00	505	186.00	11932	257.00	186
57.00	2162	125.00	482	187.00	3284	258.00	2481
62.00	224	127.00	39848	188.00	207	259.00	229
63.00	1278	128.00	2983	189.00	341	265.00	1005
65.00	487	129.00	15106	192.00	918	273.00	1256
68.00	243	130.00	1215	193.00	967	274.00	3438
69.00	32424	131.00	175	196.00	2425	275.00	17704
74.00	2687	134.00	172	198.00	86376	276.00	2494
75.00	4658	135.00	1355	199.00	6304	277.00	1483
76.00	1762	136.00	318	200.00	249	293.00	180
77.00	36824	137.00	503	201.00	217	296.00	5750
78.00	2410	141.00	1757	203.00	304	297.00	640
79.00	1981	142.00	311	204.00	2850	303.00	610
80.00	1441	143.00	235	205.00	4782	315.00	484
81.00	2217	146.00	177	206.00	19832	323.00	1794
82.00	253	147.00	939	207.00	2546	334.00	1245
83.00	497	148.00	2078	208.00	330	346.00	176
84.00	69	149.00	217	211.00	823	352.00	495
85.00	263	153.00	474	216.00	224	353.00	203
86.00	882	154.00	246	217.00	5159	354.00	627
87.00	185	155.00	1011	218.00	521	365.00	2489
91.00	522	156.00	1652	221.00	4860	366.00	169
92.00	517	158.00	181	223.00	1089	372.00	832
93.00	3566	160.00	348	224.00	11602	402.00	175
98.00	2605	161.00	900	225.00	2940	403.00	529
99.00	2151	165.00	510	226.00	190	421.00	580
101.00	1322	166.00	275	227.00	4598	422.00	428
103.00	180	167.00	3902	228.00	360	423.00	2765
104.00	587	168.00	2192	229.00	858	424.00	615
105.00	607	169.00	185	231.00	223	441.00	9359
107.00	10720	172.00	207	235.00	179	442.00	59120

Data File: \\target_server\GC\chem\gcms-u.i\U052511.b\UD578.D

Date : 25-MAY-2011 10:54

Client ID: DFTPP02 Instrument: gcms-u.i

Sample Info: 50ng DFTPP

Operator: JCG

Column phase: RTX-5SILMS Column diameter: 0.25

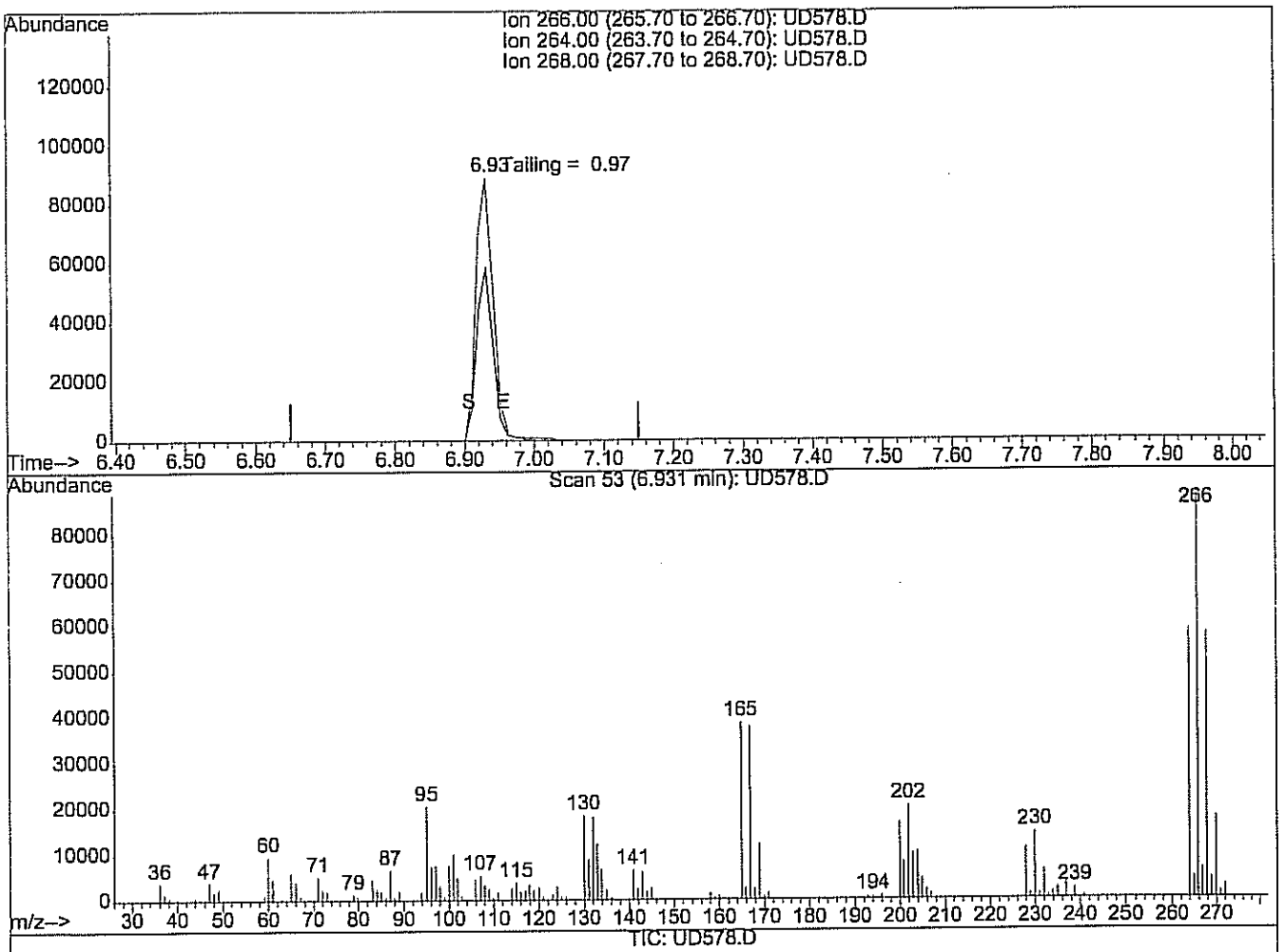
Data File: UD578.D
Spectrum: Avg. Scans 135-137 (7.79), Background Scan 132
Location of Maximum: 198.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	1632	173.00	251	237.00	194	443.00	11341
110.00	20232	174.00	764	242.00	521	444.00	978
111.00	3204	175.00	1416	243.00	292		
112.00	229	176.00	266	244.00	9143		
116.00	300	177.00	315	245.00	1209		

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D
Acq On : 25 May 2011 10:54 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSD Tune Method : C:\HPCHEM\1\METHODS\TUNEPAR.M

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.93min 70.45ug/L

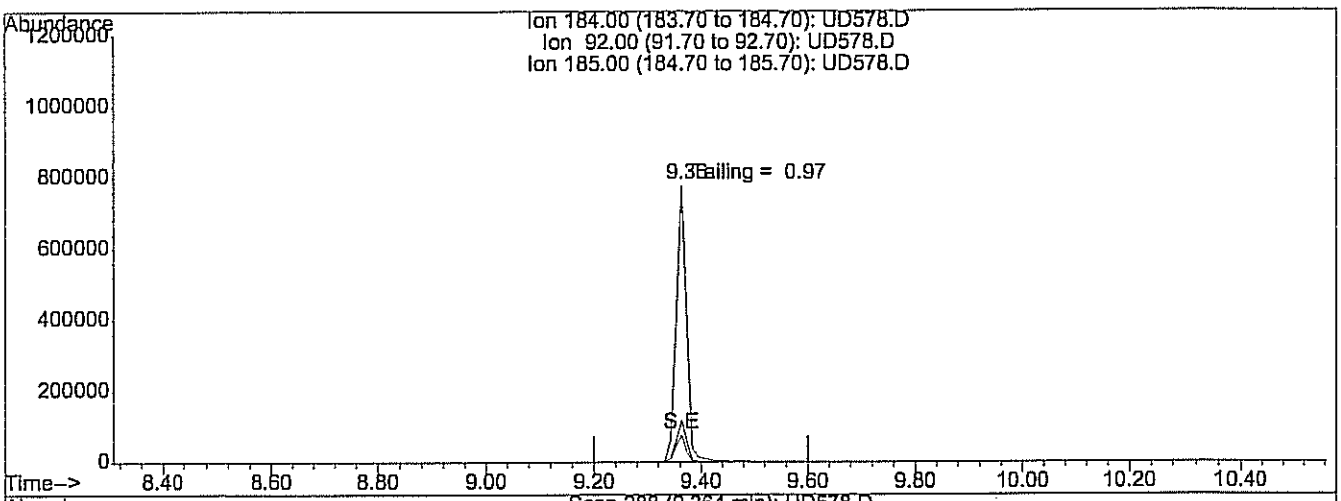
response 155773

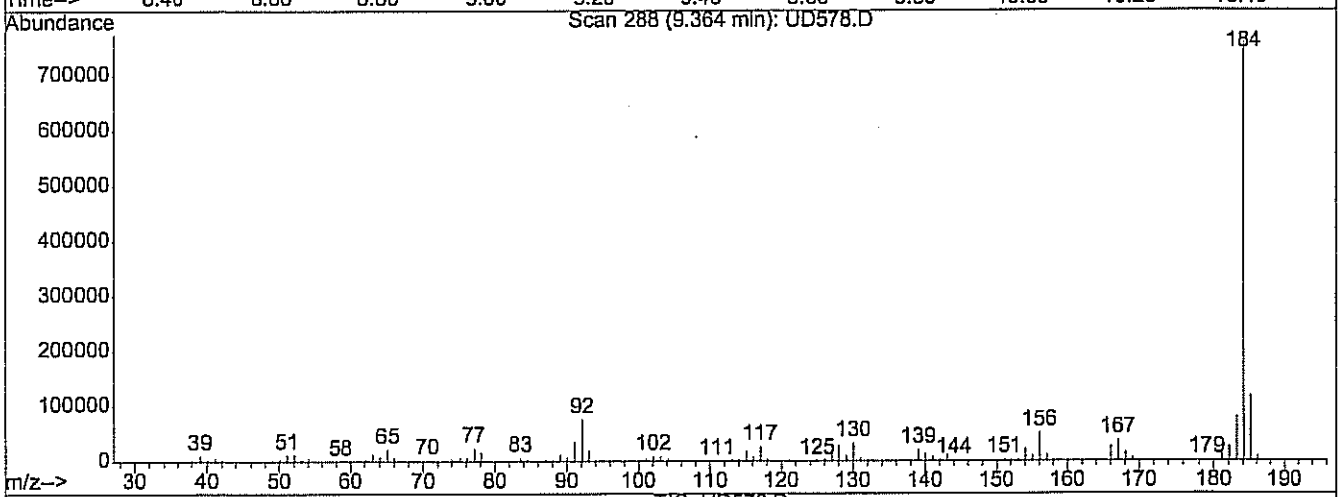
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	62.74
268.00	63.50	63.50
0.00	0.00	0.00

UD578.D TUNETAIL.M Wed May 25 11:06:18 2011

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D Vial: 1
Acq On : 25 May 2011 10:54 am Operator: JCG
Sample : 50ng DFTPP Inst : GC/MS Ins
Misc : 5973-U;TUNE Multiplr: 1.00
MS Integration Params: 06EP01 Quant Results File: temp.res
Quant Time: May 25 11:06 2011

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





(2) Benzidine (T)

9.36min 241.66ug/L

response 1084141

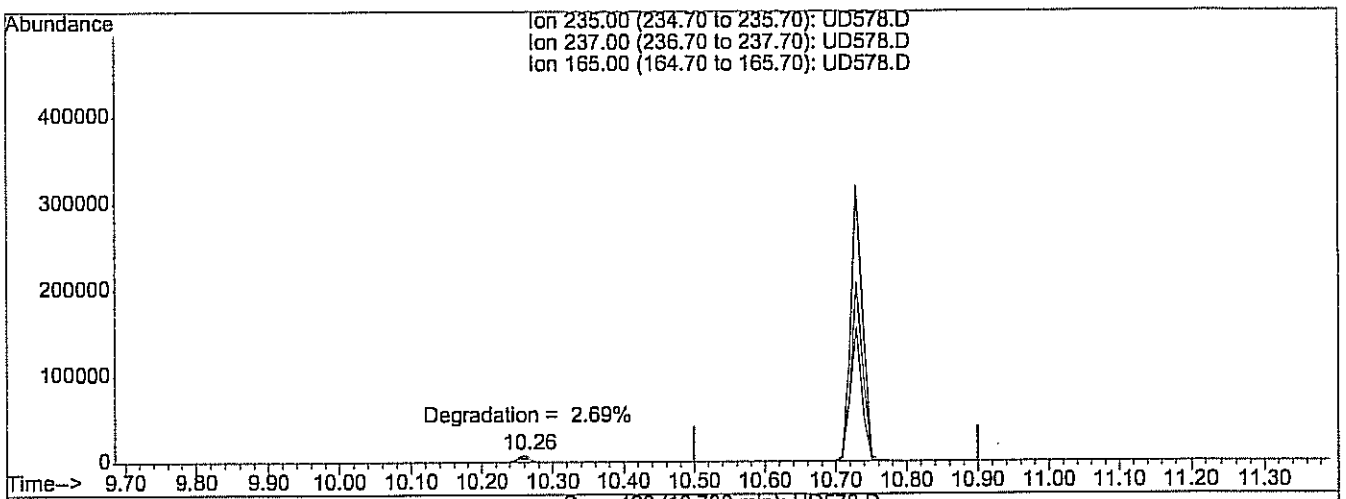
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.59
185.00	14.40	14.96
0.00	0.00	0.00

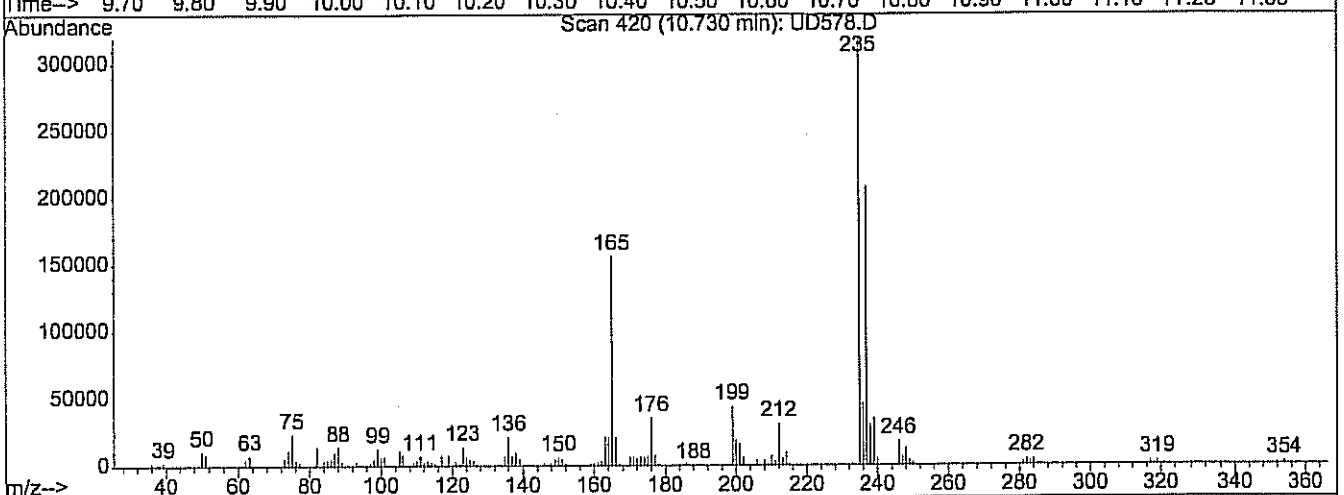
UD578.D TUNETAIL.M Wed May 25 11:06:24 2011

Data File : C:\HPCHEM\1\DATA\U052511\UD578.D
Acq On : 25 May 2011 10:54 am
Sample : 50ng DFTPP
Misc : 5973-U;TUNE
MSAmntEgmatiMayPaSams:06EP0P1

Vial: 1
Operator: JCG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
Title : Katahdin 8270C Water Calibration
Last Update : Mon May 23 09:07:09 2011
Response via : Multiple Level Calibration





TIC: UD578.D

(3) 4,4'-DDT (T)

10.73min 81.51ug/L

response 365653

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.06
165.00	50.00	48.10
0.00	0.00	0.00

UD578.D TUNETAIL.M Wed May 25 11:06:31 2011

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91918-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	38.	ug/L	1	50	50.	1.5	38.
1,4-Dichlorobenzene	U	7.5	ug/L	1	10	10.	2.2	7.5
2-Methylphenol	U	7.5	ug/L	1	10	10.	3.8	7.5
3&4-Methylphenol	U	7.5	ug/L	1	10	10.	5.6	7.5
Hexachloroethane	U	7.5	ug/L	1	10	10.	2.3	7.5
Nitrobenzene	U	7.5	ug/L	1	10	10.	3.1	7.5
Hexachlorobutadiene	U	7.5	ug/L	1	10	10.	1.8	7.5
2,4,6-Trichlorophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
2,4,5-Trichlorophenol	U	19.	ug/L	1	25	25.	3.6	19.
2,4-Dinitrotoluene	U	7.5	ug/L	1	10	10.	2.2	7.5
Hexachlorobenzene	U	7.5	ug/L	1	10	10.	2.1	7.5
Pentachlorophenol	U	19.	ug/L	1	25	25.	2.3	19.
2-Fluorophenol		38.3	%					
Phenol-D6		24.8	%					
Nitrobenzene-D5		56.2	%					
2-Fluorobiphenyl		59.1	%					
2,4,6-Tribromophenol		57.8	%					
Terphenyl-D14		70.6	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5836a.D
Report Date: 26-May-2011 08:28

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5836a.D
Lab Smp Id: WG91918-1 Client Smp ID: WG91918-Blank
Inj Date : 25-MAY-2011 11:58 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91918-1,SE2818
Misc Info : WG91996,WG91918,U5802A,SE2818-6
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.321	6.321	(0.721)	361650	38.3330	38.3	
$ 3 Phenol-D6	99	8.246	8.257	(0.941)	270579	24.8004	24.8	
* 4 1,4-Dichlorobenzene-D4	152	8.764	8.764	(1.000)	354658	40.0000		
$ 9 Nitrobenzene-D5	82	10.058	10.068	(0.867)	258832	28.0845	28.1	
* 11 Naphthalene-D8	136	11.600	11.600	(1.000)	1316344	40.0000		
$ 15 2-Fluorobiphenyl	172	14.229	14.239	(0.903)	504800	29.5465	29.5	
* 16 Acenaphthene-D10	164	15.750	15.750	(1.000)	678748	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.655	17.665	(1.121)	182701	57.8545	57.8	
* 21 Phenanthrene-D10	188	19.207	19.217	(1.000)	1121661	40.0000		
$ 22 Terphenyl-D14	244	23.119	23.119	(0.906)	584876	35.2923	35.3	
* 23 Chrysene-D12	240	25.510	25.521	(1.000)	830765	40.0000		
* 24 Perylene-D12	264	28.677	28.677	(1.000)	598975	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5836a.D
Report Date: 26-May-2011 08:28

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5836a.D
Lab Smp Id: WG91918-1
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: WG91918-Blank
Level: LOW
Sample Type: WATER
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A,SE2818-6

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

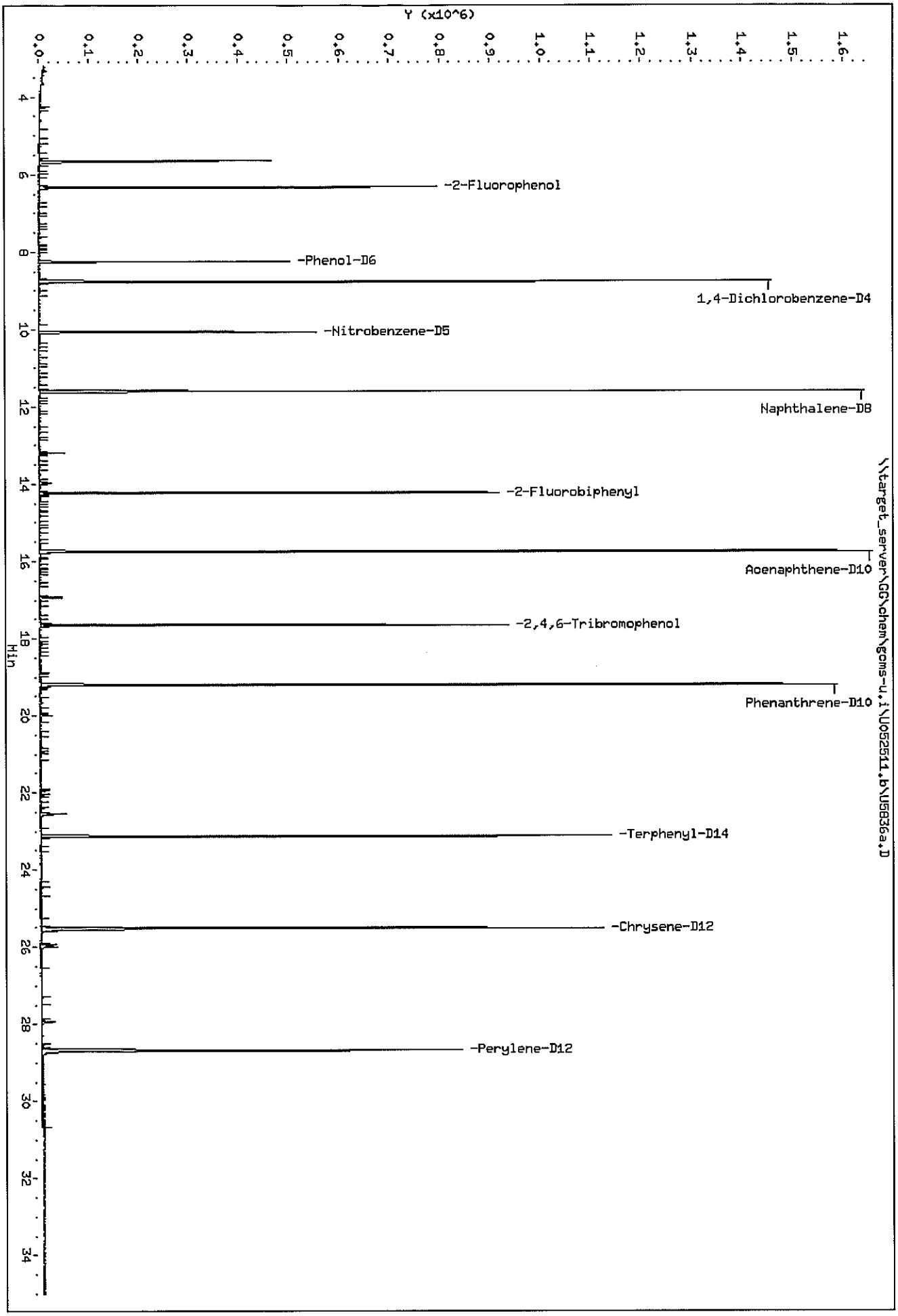
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	354658	8.34
11 Naphthalene-D8	1261487	630744	2522974	1316344	4.35
16 Acenaphthene-D10	688599	344300	1377198	678748	-1.43
21 Phenanthrene-D10	1066957	533479	2133914	1121661	5.13
23 Chrysene-D12	669261	334631	1338522	830765	24.13
24 Perylene-D12	342377	171189	684754	598975	74.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	0.00
11 Naphthalene-D8	11.60	11.10	12.10	11.60	0.00
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	0.00
21 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.05
23 Chrysene-D12	25.52	25.02	26.02	25.51	-0.04
24 Perylene-D12	28.68	28.18	29.18	28.68	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-u.i\U052511.b\U5836a.D
Date : 25-MAY-2011 11:58
Client ID: WG91918-Blank
Sample Info: WG91918-1,SE2818

Instrument: gcms-u.i



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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91918-6
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pyridine	U	190	ug/L	1	50	250	7.5	190
1,4-Dichlorobenzene	U	38.	ug/L	1	10	50.	11.	38.
2-Methylphenol	U	38.	ug/L	1	10	50.	19.	38.
3&4-Methylphenol	U	38.	ug/L	1	10	50.	28.	38.
Hexachloroethane	U	38.	ug/L	1	10	50.	12.	38.
Nitrobenzene	U	38.	ug/L	1	10	50.	16.	38.
Hexachlorobutadiene	U	38.	ug/L	1	10	50.	9.0	38.
2,4,6-Trichlorophenol	U	38.	ug/L	1	10	50.	14.	38.
2,4,5-Trichlorophenol	U	94.	ug/L	1	25	120	18.	94.
2,4-Dinitrotoluene	U	38.	ug/L	1	10	50.	11.	38.
Hexachlorobenzene	U	38.	ug/L	1	10	50.	10.	38.
Pentachlorophenol	U	94.	ug/L	1	25	120	12.	94.
2-Fluorophenol		51.4	%					
Phenol-D6		35.1	%					
Nitrobenzene-D5		69.7	%					
2-Fluorobiphenyl		68.3	%					
2,4,6-Tribromophenol		65.3	%					
Terphenyl-D14		73.2	%					

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5847.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5847.D
Lab Smp Id: WG91918-6 Client Smp ID: WG91918-TclpBlank
Inj Date : 25-MAY-2011 20:04 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91918-6,SE2818
Misc Info : WG91996,WG91918,U5802A,SE2818-6
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 14 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 2 2-Fluorophenol	112	6.318	6.321	(0.721)	572086	51.3703	257	
$ 3 Phenol-D6	99	8.244	8.257	(0.941)	451860	35.0861	175	
* 4 1,4-Dichlorobenzene-D4	152	8.761	8.764	(1.000)	418643	40.0000		
$ 9 Nitrobenzene-D5	82	10.065	10.068	(0.868)	343027	34.8633	174	
* 11 Naphthalene-D8	136	11.597	11.600	(1.000)	1405329	40.0000		
$ 15 2-Fluorobiphenyl	172	14.226	14.239	(0.903)	670736	34.1422	171	
* 16 Acenaphthene-D10	164	15.747	15.750	(1.000)	780467	40.0000		
$ 18 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	237095	65.2939	326	
* 21 Phenanthrene-D10	188	19.204	19.217	(1.000)	1161913	40.0000		
$ 22 Terphenyl-D14	244	23.127	23.119	(0.906)	590714	36.6140	183	
* 23 Chrysene-D12	240	25.518	25.521	(1.000)	808768	40.0000		
* 24 Perylene-D12	264	28.675	28.677	(1.000)	486480	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5847.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5847.D
Lab Smp Id: WG91918-6
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: WG91918-TclpBlan
Level: LOW
Sample Type: WATER

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A,SE2818-6

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

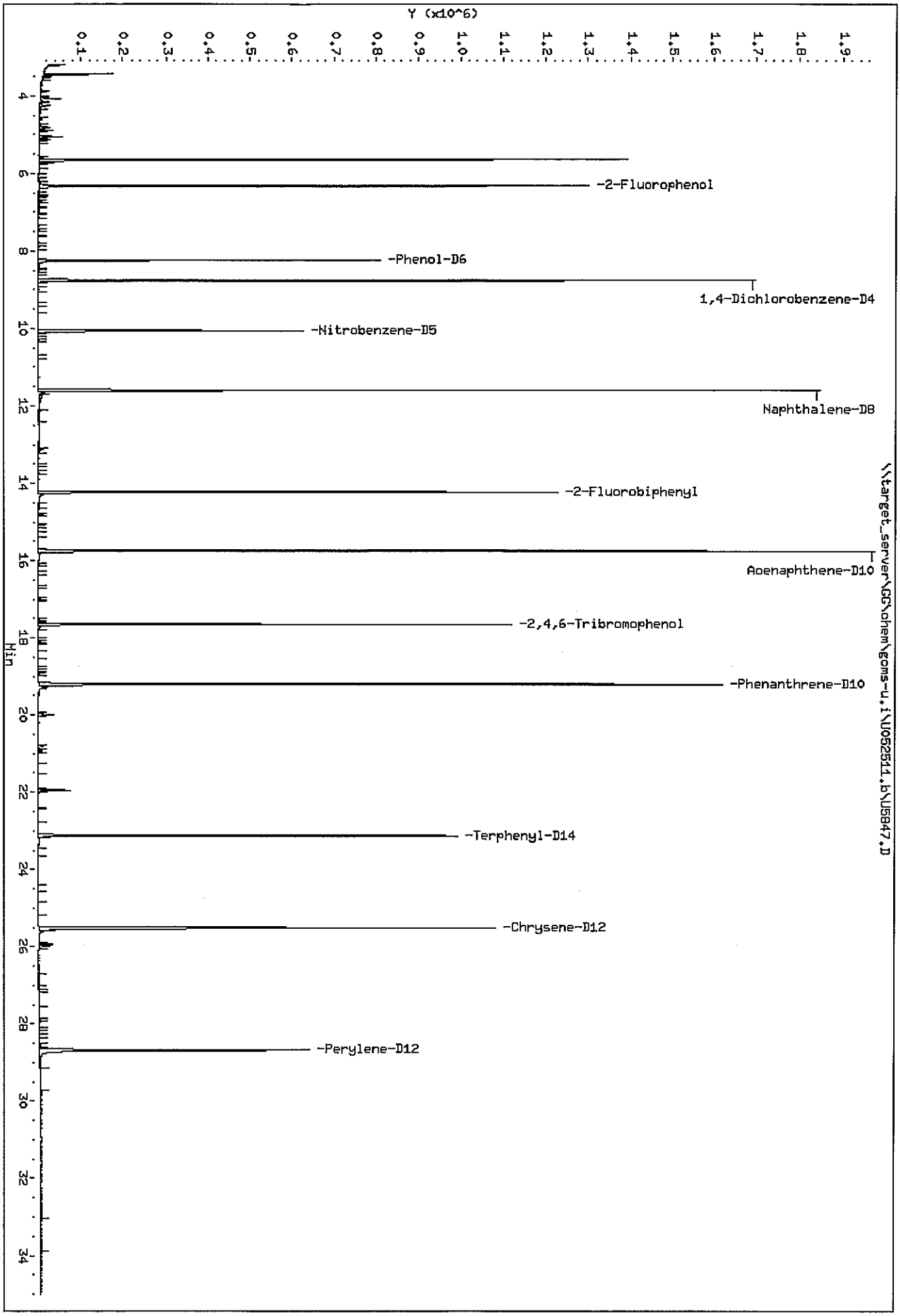
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	418643	27.89
11 Naphthalene-D8	1261487	630744	2522974	1405329	11.40
16 Acenaphthene-D10	688599	344300	1377198	780467	13.34
21 Phenanthrene-D10	1066957	533479	2133914	1161913	8.90
23 Chrysene-D12	669261	334631	1338522	808768	20.84
24 Perylene-D12	342377	171189	684754	486480	42.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.03
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.02
21 Phenanthrene-D10	19.22	18.72	19.72	19.20	-0.07
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5847.D
Date : 25-MAY-2011 20:04
Client ID: WG91918-TolpBlank
Sample Info: WG91918-6,SE2818

Instrument: gcms-u.i



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ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91918-2
LCSD ID: WG91918-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91918

Analysis Date: 25-MAY-11
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Pyridine	50.0	10.5	21.0	18.2	36.4	ug/L	54*	30	10-96
1,4-Dichlorobenzene	50.0	36.6	73.2	34.7	69.4	ug/L	5	30	30-100
2-Methylphenol	100.	58.7	58.7	57.0	57.0	ug/L	3	30	40-110
3&4-Methylphenol	100.	51.4	51.4	49.2	49.2	ug/L	4	30	30-110
Hexachloroethane	50.0	36.0	72.0	33.5	67.0	ug/L	7	30	30-100
Nitrobenzene	50.0	39.1	78.2	37.3	74.6	ug/L	5	30	45-110
Hexachlorobutadiene	50.0	32.3	64.6	30.4	60.8	ug/L	6	30	25-105
2,4,6-Trichlorophenol	100.	79.6	79.6	75.6	75.6	ug/L	5	30	50-115
2,4,5-Trichlorophenol	100.	83.1	83.1	78.8	78.8	ug/L	5	30	50-110
2,4-Dinitrotoluene	50.0	49.1	98.2	44.0	88.0	ug/L	11	30	50-120
Hexachlorobenzene	50.0	36.1	72.2	33.6	67.2	ug/L	7	30	50-110
Pentachlorophenol	100.	84.3	84.3	74.4	74.4	ug/L	12	30	40-115
2-Fluorophenol			44.1		42.9				20-110
Phenol-D6			28.3		27.3				10-115
Nitrobenzene-D5			67.0		62.0				40-110
2-Fluorobiphenyl			72.4		68.4				50-110
2,4,6-Tribromophenol			72.6		67.3				40-125
Terphenyl-D14			73.6		67.5				50-135

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Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5837a.D
Report Date: 26-May-2011 08:29

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Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5837a.D
Lab Smp Id: WG91918-2 Client Smp ID: WG91918-LCS
Inj Date : 25-MAY-2011 12:42 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91918-2,SE2818
Misc Info : WG91996,WG91918,U5802A,SE2818-6
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
	1 Pyridine	79	3.888	3.858	(0.444)	110208	10.4843	10.5(a)	
$	2 2-Fluorophenol	112	6.320	6.321	(0.721)	412171	44.0677	44.1	
$	3 Phenol-D6	99	8.246	8.257	(0.941)	305836	28.2756	28.3	
*	4 1,4-Dichlorobenzene-D4	152	8.763	8.764	(1.000)	351602	40.0000		
	5 1,4-Dichlorobenzene	146	8.794	8.795	(1.004)	395429	36.6420	36.6	
	6 2-Methylphenol	108	9.529	9.530	(1.087)	480863	58.7223	58.7	
	8 3&4-Methylphenol	108	9.860	9.882	(1.125)	449668	51.4459	51.4(Q)	
	7 Hexachloroethane	117	9.839	9.840	(1.123)	146246	35.9591	36.0	
$	9 Nitrobenzene-D5	82	10.067	10.068	(0.868)	303443	33.5173	33.5	
	10 Nitrobenzene	77	10.109	10.109	(0.872)	342310	39.1229	39.1	
*	11 Naphthalene-D8	136	11.599	11.600	(1.000)	1293080	40.0000		
	12 Hexachlorobutadiene	225	12.106	12.107	(1.044)	173115	32.2915	32.3	
	13 2,4,6-Trichlorophenol	196	14.052	14.063	(0.892)	425326	79.5693	79.6	
	14 2,4,5-Trichlorophenol	196	14.135	14.166	(0.897)	481891	83.0976	83.1	
$	15 2-Fluorobiphenyl	172	14.228	14.239	(0.903)	606972	36.2027	36.2	
*	16 Acenaphthene-D10	164	15.749	15.750	(1.000)	666074	40.0000		
	17 2,4-Dinitrotoluene	165	16.422	16.433	(1.043)	234618	49.1372	49.1	
$	18 2,4,6-Tribromophenol	330	17.664	17.665	(1.122)	225151	72.6534	72.6	
	19 Hexachlorobenzene	284	18.513	18.514	(0.964)	227497	36.0669	36.1	
	20 Pentachlorophenol	266	18.989	19.000	(0.989)	294436	84.3325	84.3	
*	21 Phenanthrene-D10	188	19.206	19.217	(1.000)	1104208	40.0000		
$	22 Terphenyl-D14	244	23.119	23.119	(0.906)	571654	36.7841	36.8	
*	23 Chrysene-D12	240	25.520	25.521	(1.000)	779052	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5837a.D
Report Date: 26-May-2011 08:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
* 24 Perylene-D12	264	28.677	28.677	(1.000)	518526	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5837a.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5837a.D
Lab Smp Id: WG91918-2
Analysis Type: SV
Quant Type: ISTD
Operator: JCG
Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: WG91918-LCS
Level: LOW
Sample Type: WATER
Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A,SE2818-6

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

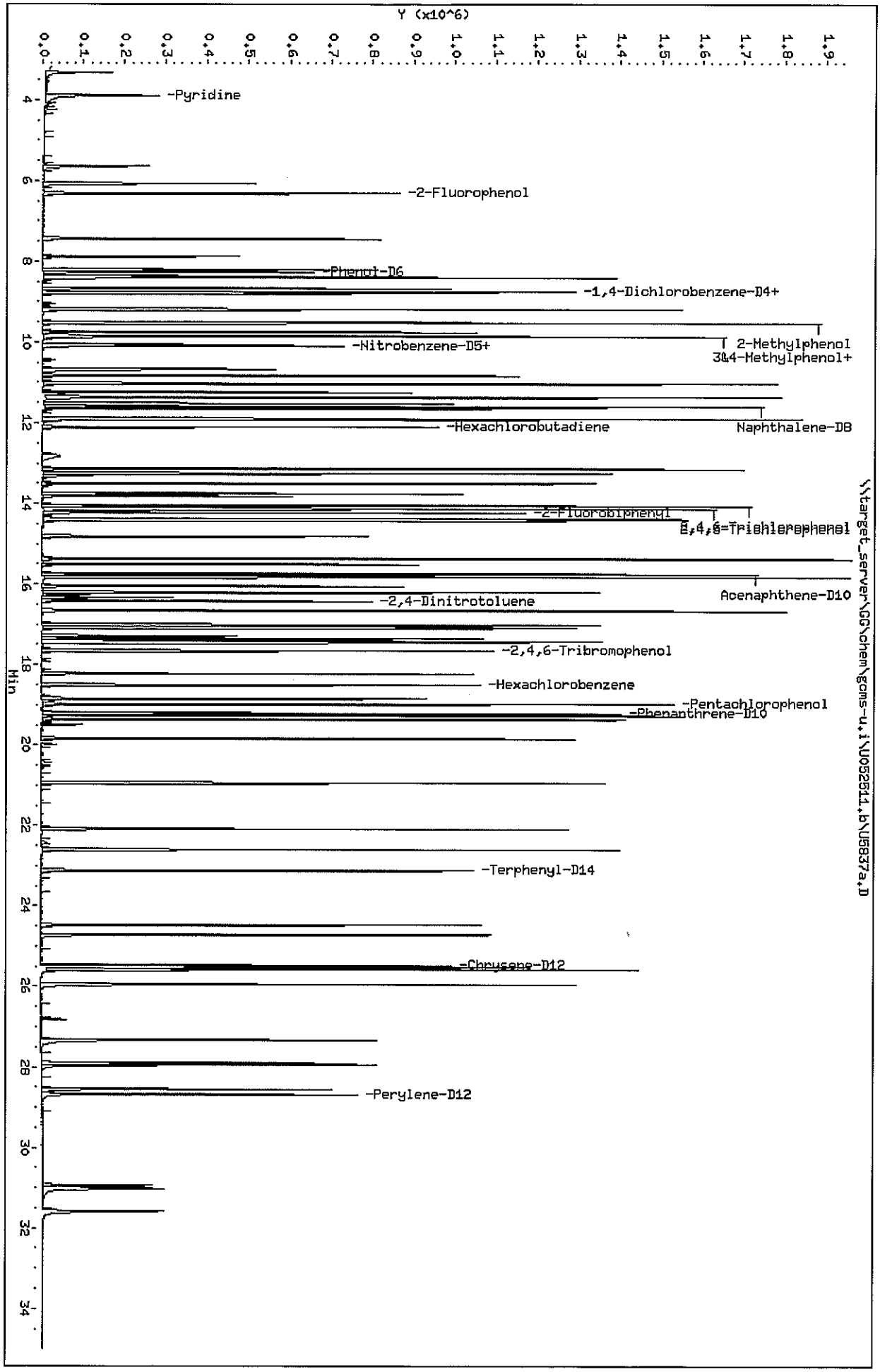
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	351602	7.41
11 Naphthalene-D8	1261487	630744	2522974	1293080	2.50
16 Acenaphthene-D10	688599	344300	1377198	666074	-3.27
21 Phenanthrene-D10	1066957	533479	2133914	1104208	3.49
23 Chrysene-D12	669261	334631	1338522	779052	16.40
24 Perylene-D12	342377	171189	684754	518526	51.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.01
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.01
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.00
21 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.06
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.00
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5837a.D
Date : 25-MAY-2011 12:42
Client ID: WG91918-LCS
Sample Info: WG91918-2,SE2818
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5838a.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U052511.b\U5838a.D
Lab Smp Id: WG91918-3 Client Smp ID: WG91918-LCSD
Inj Date : 25-MAY-2011 13:26 MS Autotune Date: 27-JUL-1998 22:19
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG91918-3,SE2818
Misc Info : WG91996,WG91918,U5802A,SE2818-6
Comment :
Method : \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Meth Date : 25-May-2011 14:45 cgomez Quant Type: ISTD
Cal Date : 23-MAY-2011 15:43 Cal File: U5807a.D
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DoDQSMTCLP.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * 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	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
1 Pyridine	79	3.876	3.858	(0.442)	173330	18.1982	18.2(a)	
$ 2 2-Fluorophenol	112	6.319	6.321	(0.721)	363723	42.9184	42.9	
$ 3 Phenol-D6	99	8.244	8.257	(0.941)	267199	27.2639	27.3	
* 4 1,4-Dichlorobenzene-D4	152	8.762	8.764	(1.000)	318582	40.0000		
5 1,4-Dichlorobenzene	146	8.793	8.795	(1.004)	339326	34.7023	34.7	
6 2-Methylphenol	108	9.528	9.530	(1.087)	422809	56.9844	57.0	
8 3&4-Methylphenol	108	9.859	9.882	(1.125)	389507	49.1818	49.2(Q)	
7 Hexachloroethane	117	9.838	9.840	(1.123)	123516	33.5180	33.5	
$ 9 Nitrobenzene-D5	82	10.066	10.068	(0.868)	252006	31.0247	31.0	
10 Nitrobenzene	77	10.097	10.109	(0.871)	292755	37.2924	37.3	
* 11 Naphthalene-D8	136	11.598	11.600	(1.000)	1160168	40.0000		
12 Hexachlorobutadiene	225	12.105	12.107	(1.044)	146332	30.4227	30.4	
13 2,4,6-Trichlorophenol	196	14.051	14.063	(0.892)	361081	75.5625	75.6	
14 2,4,5-Trichlorophenol	196	14.133	14.166	(0.897)	408333	78.7647	78.8	
$ 15 2-Fluorobiphenyl	172	14.227	14.239	(0.903)	512507	34.1940	34.2	
* 16 Acenaphthene-D10	164	15.748	15.750	(1.000)	595449	40.0000		
17 2,4-Dinitrotoluene	165	16.421	16.433	(1.043)	187682	43.9693	44.0	
$ 18 2,4,6-Tribromophenol	330	17.652	17.665	(1.121)	186412	67.2875	67.3	
19 Hexachlorobenzene	284	18.512	18.514	(0.964)	187523	33.6134	33.6	
20 Pentachlorophenol	266	18.988	19.000	(0.989)	229878	74.4433	74.4	
* 21 Phenanthrene-D10	188	19.205	19.217	(1.000)	976623	40.0000		
$ 22 Terphenyl-D14	244	23.117	23.119	(0.906)	459373	33.7504	33.8	
* 23 Chrysene-D12	240	25.519	25.521	(1.000)	682308	40.0000		

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5838a.D
Report Date: 26-May-2011 08:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
* 24 Perylene-D12	264	28.675	28.677	(1.000)	489909	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\target_server\GG\chem\gcms-u.i\U052511.b\U5838a.D
Report Date: 26-May-2011 08:29

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-u.i
Lab File ID: U5838a.D
Lab Smp Id: WG91918-3
Analysis Type: SV
Quant Type: ISTD
Operator: JCG

Calibration Date: 25-MAY-2011
Calibration Time: 11:13
Client Smp ID: WG91918-LCSD
Level: LOW
Sample Type: WATER

Method File: \\target_server\GG\chem\gcms-u.i\U052511.b\UTCLPS88.m
Misc Info: WG91996,WG91918,U5802A,SE2818-6

Test Mode:
Use Initial Calibration Level 3.
If Continuing Cal. use Initial Cal. Level 3

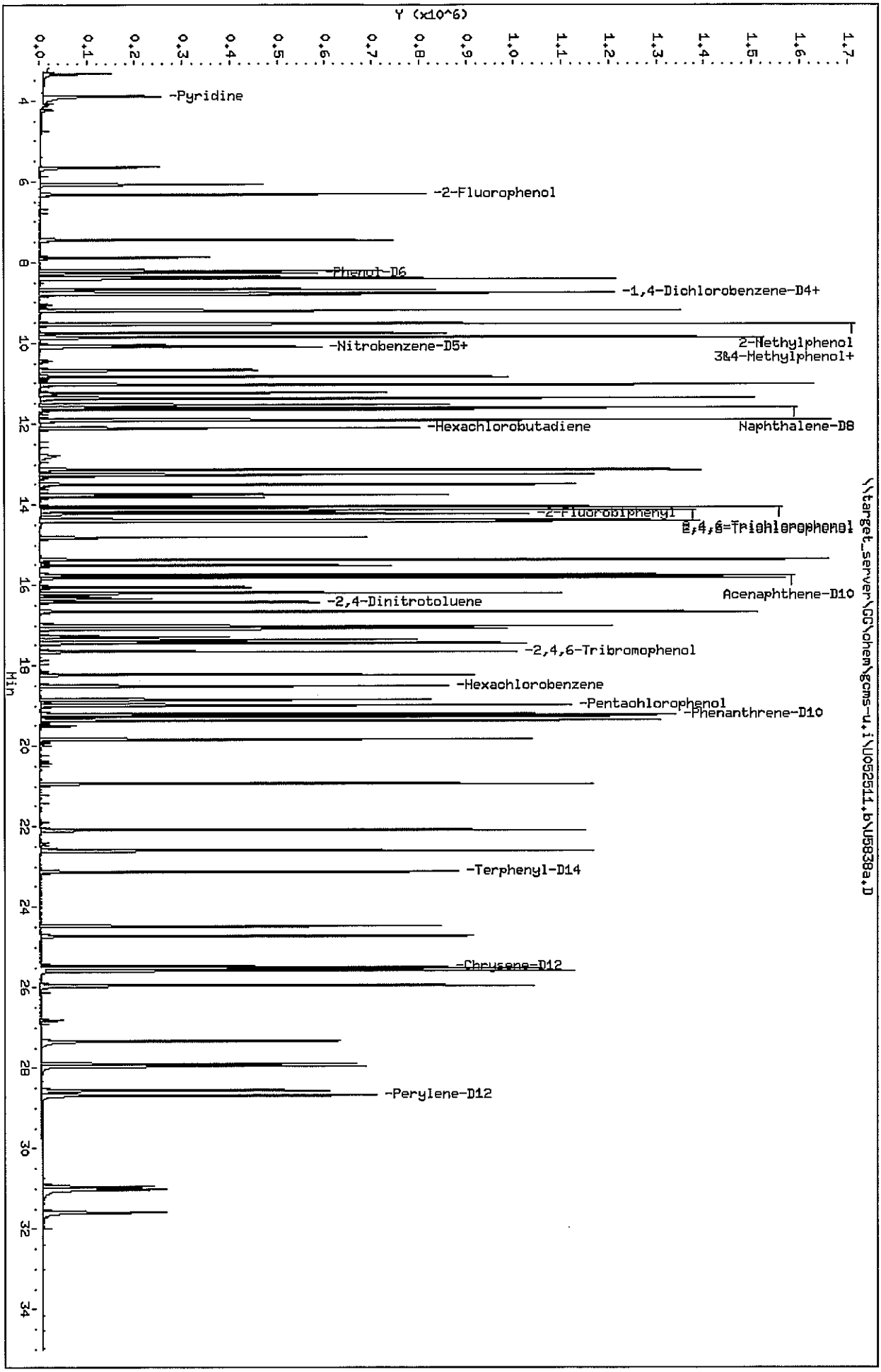
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	327345	163673	654690	318582	-2.68
11 Naphthalene-D8	1261487	630744	2522974	1160168	-8.03
16 Acenaphthene-D10	688599	344300	1377198	595449	-13.53
21 Phenanthrene-D10	1066957	533479	2133914	976623	-8.47
23 Chrysene-D12	669261	334631	1338522	682308	1.95
24 Perylene-D12	342377	171189	684754	489909	43.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
4 1,4-Dichlorobenze	8.76	8.26	9.26	8.76	-0.02
11 Naphthalene-D8	11.60	11.10	12.10	11.60	-0.02
16 Acenaphthene-D10	15.75	15.25	16.25	15.75	-0.01
21 Phenanthrene-D10	19.22	18.72	19.72	19.21	-0.06
23 Chrysene-D12	25.52	25.02	26.02	25.52	-0.01
24 Perylene-D12	28.68	28.18	29.18	28.68	-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-u.i\U052511.b\U5838a.D
Date : 25-MAY-2011 13:26
Client ID: WG91918-LCSD
Sample Info: WG91918-3,SE2848
Purge Volume: 1.0
Column phase: RTX-5SILMS

Instrument: gcms-u.i
Operator: JCG
Column diameter: 0.25



Logbooks and Supporting Documents

DATE OF DFTPP INJECTION: 052311

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
	50 ng DFTPP	U0571	1	1	DFTPP390	2.0	JLM	OK
	SSTD050U0523	U5802(a)		2	U8270C88	1.0		✓ (a) = UTCLP88 file
	010	03(a)		3				✓
	025	04(a)		4				✓
	075	05(a)		5				✓
	100	06(a)		6				✓
	125	07(a)		7				OK
	8270 IND CHK	08(a)		8				1564
3520	WG91696-1	09		9				OK
3510	WG91785-2	10		10				OK
	-3	11		11				SS 3,4,5 ↑
	SE2525-SEE	12		12				OK
	SE2654-1	13		13				OK
	-4	14		14				OK
	SE2654-1	15		15				SS1,2 ↓
	-3	16		16				SS1,2,5 ↓
	SE2690-1	17		17				DOC
	-4	18		18				

JLM 5/24/11

STANDARD	CODE
DFTPP	51935
CAL. STD.	51941 STK438
IS MIX	STK4366

REVIEWED AND APPROVED BY: _____
DATE: _____

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

DATE OF DFTPP INJECTION: 052511

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
	50ng DFTPP	U0578	1	1	DFTPP390	2.0	JLM	OK WG91996
	SSTD050U0525	U5831(a)		2	U8270CSX	1.0		OK (a) = UTCL0SX files
3510	WG91918-1	36(a)		3				OK
	-2	37(a)		4				OK
	-3	38(a)		5				OK
3550	SE2818-9	39		6				OK SSS↓
	-13	40		7				OK DC1:2
	-7	41		8				OK
	-11	42		9				OK
3510	-6	43		10	TLP			OK
	-8	44		11				OK
	-10	45		12				OK
	-12	46		13				OK ~~PAF~~
	WG91918-6	47		14				OK PAF1012A
3550	WG91853-1	48		15				OK
	SE2818-13DL	49	2	16	~~FCCP~~ JL			OK 100/200
3510	SE2815-3	50	1	17				OK
	-1	51		18				SSS↓ OOC
	GPC MK 5/20	52		19				—
	5/23	53		20				—

STANDARD	CODE
DFTPP	51935
CAL. STD.	51941 SPK4383
IS MIX	SPK4366

JLM 052611

REVIEWED AND APPROVED BY: _____
DATE: _____

Sim 1SV16D

Sep re

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS SEMI-VOLATILES

Extraction Method: (check one)	SW846 3510 (SEP) ✓		SW846 3520 (CLLE)		SW846 3535 (SPE)	
Analytical Method: (check one)	SW846 8270 ✓	EPA 625 ✓	CLP OLM04.2	CLP OLC02.1	CLP SOM01.2	
Standards	Surrogate ID (1): SV2469 (Sim)		Spike ID (1): SV2471 (Sim)			
	Surrogate ID (2): SV2457 (SV)		Spike ID (2): SV2452 (SV)			
Solvents/Acid/Base	Solvent Lot # (MeCl2): K16E11		H_2SO_4 Lot # J42030		NaOH Lot # K03P03	
Consumables	Filter Paper Lot # F0001444		$NaSO_4$ Lot # ~~K03P03~~ 27961002 WS 5-24-11			
Nitrogen Water Bath Temperature 36°C			pH (1st Extraction) 2		pH (2nd Extraction) 12	

Start 9:10

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction SV	Fraction SIM	Final Vol. mL	Date Conc.	Tray Location	Initials	Comments
5-24-11	WS	WG-97918 -1 WG-97919 -1 WG-97920 -1	1000	1mL each	NA	✓	✓	1mL	6-24-11	SV636 D9	KF	Rev 160018
		WG-97918 -2 WG-97920 -2		1mL	1mL					D6 D10		Rev 160019
		WG-97918 -3 WG-97920 -3								KF D7 E1		Rev 160021
		WG-97918-4	1010							6/10 D8 E2		MS SE2819-10
		-5	1030							D9		MSD -1g
		WG-97919 -2	1000				✓			D10		
		-3								E1		
		-4	1030							E2		MS SE2819-6g
		-5	1030							E3 E7		MSD -1r
		WG-97918-6	200		NA	✓				E4 E8		TCLP Blank → 1000mL w/10D
										KF	5-24-11	

EX-007 – Revision 1 – 12/30/2009

QAEX199

0000174

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction SV	Fraction SIM	Final Vol. mL	Date Conc.	Tray Location	Initials	Comments
5-24-11	WS	SE2659-3 r	1060	1mL	NA	✓		1mL	5-24-11	E5 E9	KF	re
		SE2660-1 g								E6 E10		
		SE2755-3 r	1050							E7 SV637 A1		
		SE2780-3 h	1060				✓			E8 A2		
		SE2815-1 h	1060	1mL each		✓				E9 A3		emulsions contin. form
		-3 h	1060							E10		
		SE2818-6	200	1mL						SV637 KF A		TCLP → 1000mL w/10
		-8								SV11 A2		
		-10								A3		
		-12								A4		
		SE2819-1	1030	1mL each			✓			A5		
		-2 g	1000							A6 A10		
		-3 e	1060							A7 B1		
		SE2821-1 a	30	1mL		✓				A8		emulsions → filter → 1000mL w/A8
		SE2849-6 e	1060	1mL each			✓			A9		
		-7 f	1010							A10		
		SE2848-5 l	1060	1mL						B1		
		SE2837-1 e	1000			✓				B2 B6		625
		SE2817-3 j	1030							B3 B7		emulsions → filter
										KF	5-24-11	

Reviewed By_____ Date_____

KATAHDIN ANALYTICAL SERVICES, INC.

Non-Volatile TCLP/SPLP Extraction Log

Extraction Method: (check one per page)	SW846 1311 (TCLP) ☑	Extractor ID: 3/2	Room Thermometer ID: DIG-23	(Room Temp Criteria. 23(±2)°C)
	SW846 1312 (SPLP) ☐	Balance ID: BAL-08	pH Meter ID: Orion 520A s/n 7422	pH Probe ID: 5733526-003B
Solid pH Determination:	Date: 5-23-11		Analyst: HHH	
Rotary Extraction Started:	Date: 5-23-11	Time: 18:17	Analyst: HHH	Room Temp. (degrees °C): 21.7
Rotary Extraction Completed:	Date: 5-24-11	Time: 10:22	Analyst: HHH	Room Temp. (degrees °C): 22.2
Extraction Filtered:	Date:	Time:	Analyst:	Filter Lot #:
Elapsed Extraction Time (HH:MM):		5% HNO_3 ID (used to wash filters):		HNO_3 Lot # (used to preserve extracts):
Fluid 1 pH (Day of use): 4.97		Fluid 1 Expiration Date:		
Fluid 2 pH (Day of use): 2.83		Fluid 2 Expiration Date:		

TCLP Fluid pH: #1 - 4.93 ± 0.05 #2 - 2.88 ± 0.05 SPLP Fluid pH: #1 - 4.20 ± 0.05 #2 - 5.00 ± 0.05

Katahdin Sample No.	Matrix	Check One: 100% Wet Solids-waste will yield no liquid upon filtration	Check One: < 100% Solids (See TCLP Solids Determination Log)	SPLP FLUID # (1 for east and 2 for west of Mississippi River) :	TCLP pH Determination and Fluid Selection (date & init. above): Initial pH of solid phase: (if <5, use Fluid #1; if >5 add 3.5 mL of 1 N HCl)	TCLP pH Determination and Fluid Selection (date & init. above): pH after 1 N HCL addition (if <5, use Fluid #1; if >5, use Fluid #2	Extraction Setup: Volume of Extraction Fluid (mL)	Extraction Setup: Fluid # used	Extraction Setup: Fluid Batch ID	Extraction Setup: Associated Extraction Blank ID:	Extraction Setup: Weight of Waste (g)	pH of extract after extraction:	Extract to be analyzed for: Metals (M), SVOA (S), PEST (P), HERB (H), Cyanide (C)	
SE2836-1A/B	SL	X			8.1	1.4	2000	1	1010	PBT100A	100.18	~~5.10~~ 5.18	M	
SE2794-1A	↓	↓			6.65	3.9	2000	1	1010	↓	100.06	~~6.65~~ 5.30	↓	
SE2826-1A	↓	↓			10.5	5.4	2000	2	1009	PBT100A	100.10	~~10.5~~ 5.79	↓	
2818-6B	↓	↓			7.82	1.6	↓	1	1012	PBT1012A	100.71	~~7.82~~ ~~100.71~~ 5.56	MSPH	13
2818-8B	↓	↓			7.83	1.62	↓	1	↓	↓	100.46	~~7.83~~ 5.47	↓	12
2818-10B	↓	↓			8.23	<2	↓	1	↓	↓	100.3	~~8.23~~ 5.27	↓	18
2816-12B	↓	↓			8.30	<2	↓	1	↓	↓	100.83	~~8.30~~ 5.39	↓	3
PBT1012A	AQ	~~BN~~ N/A	N/A	N/A	N/A	N/A	2000	1	1012	PBT1012A	N/A	4.87	↓	5

ME-001 – Revision 3 – 01/11/2011

QAAA139

0000060

Katahdin Analytical Services 7000111

TCLP PESTICIDE DATA

QC Summary Section

FORM 2

WATER PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE-2ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE-1ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	SITE6-IDW-2117	SE2818-6	70	73	89	89			0
02	SITE6-IDW-5526	SE2818-8	62	64	88	90			0
03	SITE6-IDW-782	SE2818-10	67	69	87	90			0
04	SITE6-IDW-954	SE2818-12	69	72	81	87			0
05	WG91926-BLANK	WG91926-1	87	86	88	90			0
06	WG91926-LCS	WG91926-2	74	76	83	88			0
07	WG91926-LCSD	WG91926-3	77	79	79	83			0
08	WG91926-LCS1	WG91926-4	72	74	88	90			0
09	WG91926-LCS2	WG91926-5	81	81	82	89			0
10	WG91926-TCLPBLANK	WG91926-6	74	76	87	89			0
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (25-140)
S2 (DCB) = Decachlorobiphenyl (30-135)

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

FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91926-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91926-1 Lab File ID: 1EE02397

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/24/11

Date Analyzed (1): 05/26/11 Date Analyzed (2): 05/26/11

Time Analyzed (1): 1312 Time Analyzed (2): 1312

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column (1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SITE6-IDW-2117	SE2818-6	1EE02393	05/26/11	05/26/11
02	SITE6-IDW-5526	SE2818-8	1EE02394	05/26/11	05/26/11
03	SITE6-IDW-782	SE2818-10	1EE02395	05/26/11	05/26/11
04	SITE6-IDW-954	SE2818-12	1EE02396	05/26/11	05/26/11
05	WG91926-LCS	WG91926-2	1EE02398	05/26/11	05/26/11
06	WG91926-LCSD	WG91926-3	1EE02399	05/26/11	05/26/11
07	WG91926-LCS1	WG91926-4	1EE02400	05/26/11	05/26/11
08	WG91926-LCS2	WG91926-5	1EE02401	05/26/11	05/26/11
09	WG91926-TCLPBLANK	WG91926-6	1EE02402	05/26/11	05/26/11
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

FORM IVPESTICIDE

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.79 DCB: 12.04

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/13/11	1632		
02		INDAB 0.05	05/13/11	1649	3.79	12.05
03		INDAB 0.005	05/13/11	1707	3.79	12.05
04		INDAB 0.01	05/13/11	1724	3.79	12.05
05		INDAB 0.025	05/13/11	1742	3.79	12.05
06		INDAB 0.1	05/13/11	1759	3.79	12.05
07		INDAB 0.25	05/13/11	1817	3.79	12.04
08		IND 0.05	05/13/11	1834		
09		TOX 1.0	05/13/11	1852		
10		TOX 0.1	05/13/11	1909		
11		TOX 0.25	05/13/11	1927		
12		TOX 0.5	05/13/11	1944		
13		TOX 2.5	05/13/11	2001		
14		TOX 10	05/13/11	2019		
15		TC 0.5	05/13/11	2036		
16		TC 0.05	05/13/11	2054		
17		TC 0.1	05/13/11	2111		
18		TC 0.25	05/13/11	2129		
19		TC 1.0	05/13/11	2146		
20		TC 2.5	05/13/11	2204		

QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.79 DCB: 12.04

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/26/11	1023		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.78 DCB: 12.00

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		INDAB 0.05	05/26/11	1040	3.78	12.00
02		TOX 1.0	05/26/11	1104		
03		TC 0.5	05/26/11	1122		
04	SITE6-IDW-21	SE2818-6	05/26/11	1139	3.78	12.01
05	SITE6-IDW-55	SE2818-8	05/26/11	1157	3.78	12.00
06	SITE6-IDW-78	SE2818-10	05/26/11	1214	3.78	12.00
07	SITE6-IDW-95	SE2818-12	05/26/11	1232	3.78	12.00
08	WG91926-BLAN	WG91926-1	05/26/11	1312	3.79	12.02
09	WG91926-LCS	WG91926-2	05/26/11	1330	3.78	12.01
10	WG91926-LCSD	WG91926-3	05/26/11	1347	3.78	12.01
11	WG91926-LCS1	WG91926-4	05/26/11	1405	3.78	12.01
12	WG91926-LCS2	WG91926-5	05/26/11	1422	3.78	12.01
13	WG91926-TCLP	WG91926-6	05/26/11	1440	3.78	12.00
14		INDAB 0.025	05/26/11	1532	3.78	12.00
15		TOX 1.0	05/26/11	1549		
16		TC 0.5	05/26/11	1607		
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 12.21

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/13/11	1632		
02		INDAB 0.05	05/13/11	1649	4.04	12.21
03		INDAB 0.005	05/13/11	1707	4.04	12.21
04		INDAB 0.01	05/13/11	1724	4.04	12.21
05		INDAB 0.025	05/13/11	1742	4.04	12.21
06		INDAB 0.1	05/13/11	1759	4.04	12.21
07		INDAB 0.25	05/13/11	1817	4.04	12.21
08		IND 0.05	05/13/11	1834		
09		TOX 1.0	05/13/11	1852		
10		TOX 0.1	05/13/11	1909		
11		TOX 0.25	05/13/11	1927		
12		TOX 0.5	05/13/11	1944		
13		TOX 2.5	05/13/11	2001		
14		TOX 10	05/13/11	2019		
15		TC 0.5	05/13/11	2036		
16		TC 0.05	05/13/11	2054		
17		TC 0.1	05/13/11	2111		
18		TC 0.25	05/13/11	2129		
19		TC 1.0	05/13/11	2146		
20		TC 2.5	05/13/11	2204		

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 12.21

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVAL	05/26/11	1023		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

FORM 8

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.03 DCB: 12.18

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		INDAB 0.05	05/26/11	1040	4.03	12.18
02		TOX 1.0	05/26/11	1104		
03		TC 0.5	05/26/11	1122		
04	SITE6-IDW-21	SE2818-6	05/26/11	1139	4.03	12.18
05	SITE6-IDW-55	SE2818-8	05/26/11	1157	4.03	12.18
06	SITE6-IDW-78	SE2818-10	05/26/11	1214	4.03	12.18
07	SITE6-IDW-95	SE2818-12	05/26/11	1232	4.03	12.18
08	WG91926-BLAN	WG91926-1	05/26/11	1312	4.02	12.18
09	WG91926-LCS	WG91926-2	05/26/11	1330	4.03	12.18
10	WG91926-LCSD	WG91926-3	05/26/11	1347	4.03	12.18
11	WG91926-LCS1	WG91926-4	05/26/11	1405	4.03	12.18
12	WG91926-LCS2	WG91926-5	05/26/11	1422	4.03	12.18
13	WG91926-TCLP	WG91926-6	05/26/11	1440	4.03	12.18
14		INDAB 0.025	05/26/11	1532	4.03	12.18
15		TOX 1.0	05/26/11	1549		
16		TC 0.5	05/26/11	1607		
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PESTICIDE

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 91.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		73.0	%					
Decachlorobiphenyl		89.2	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02393.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02393.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 26-MAY-2011 11:39
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-6
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

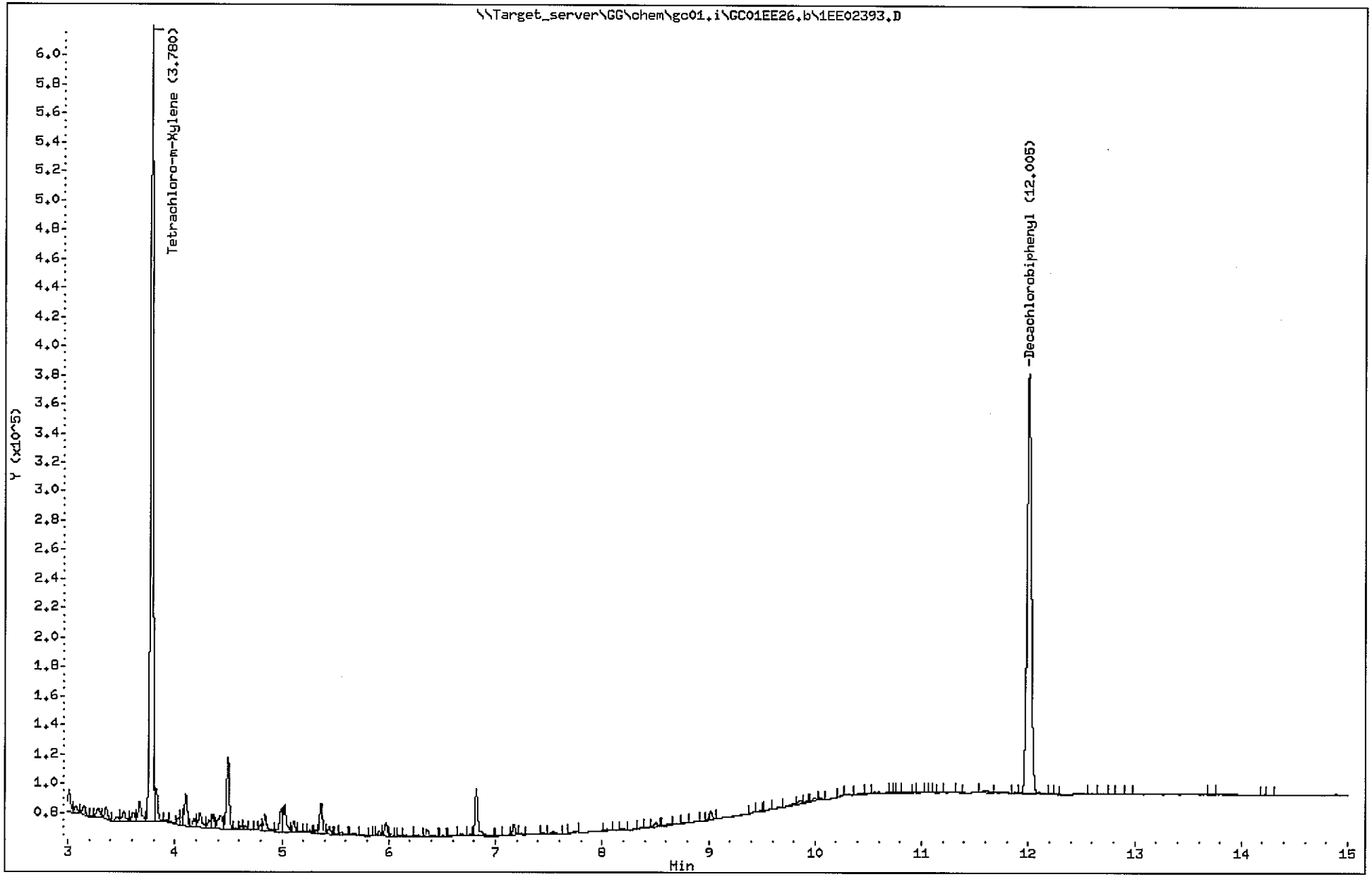
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.780	3.776	0.004	545465	0.07038	3.52	
$ 34 Decachlorobiphenyl	12.005	12.001	0.004	287082	0.08918	4.46	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\1EE02393.D
Date : 26-MAY-2011 11:39
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000016

Data File: 1EE02393.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02393.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 26-MAY-2011 11:39
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-6
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

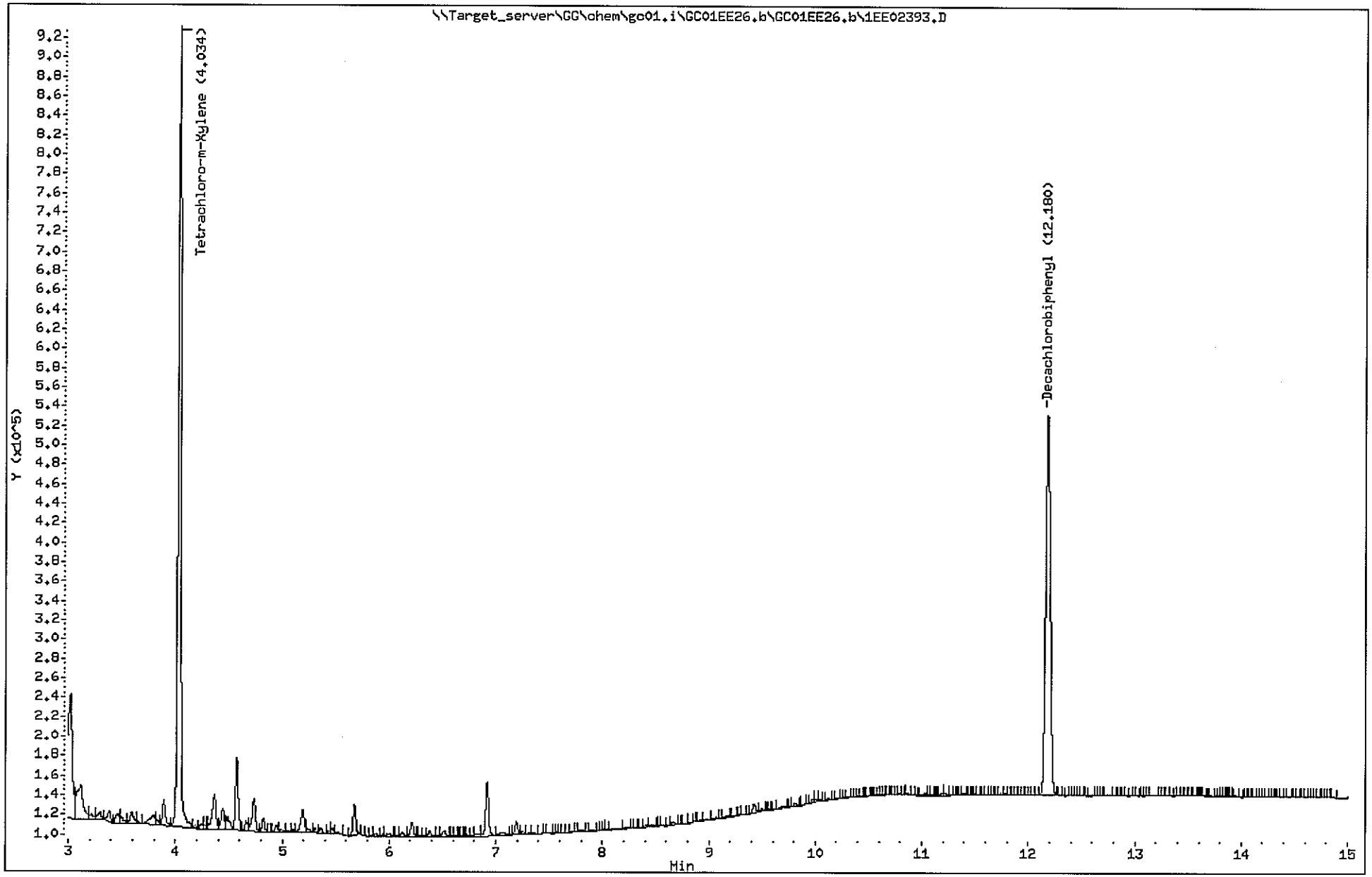
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	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
$ 4 Tetrachloro-m-Xylene	4.033	4.030	0.003	822110	0.07295	3.65	
$ 34 Decachlorobiphenyl	12.180	12.180	0.000	389407	0.08918	4.46	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02393.D
Date : 26-MAY-2011 11:39
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000018

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 90.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		64.0	%					
Decachlorobiphenyl		90.4	%					

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Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02394.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02394.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 26-MAY-2011 11:57
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-8
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

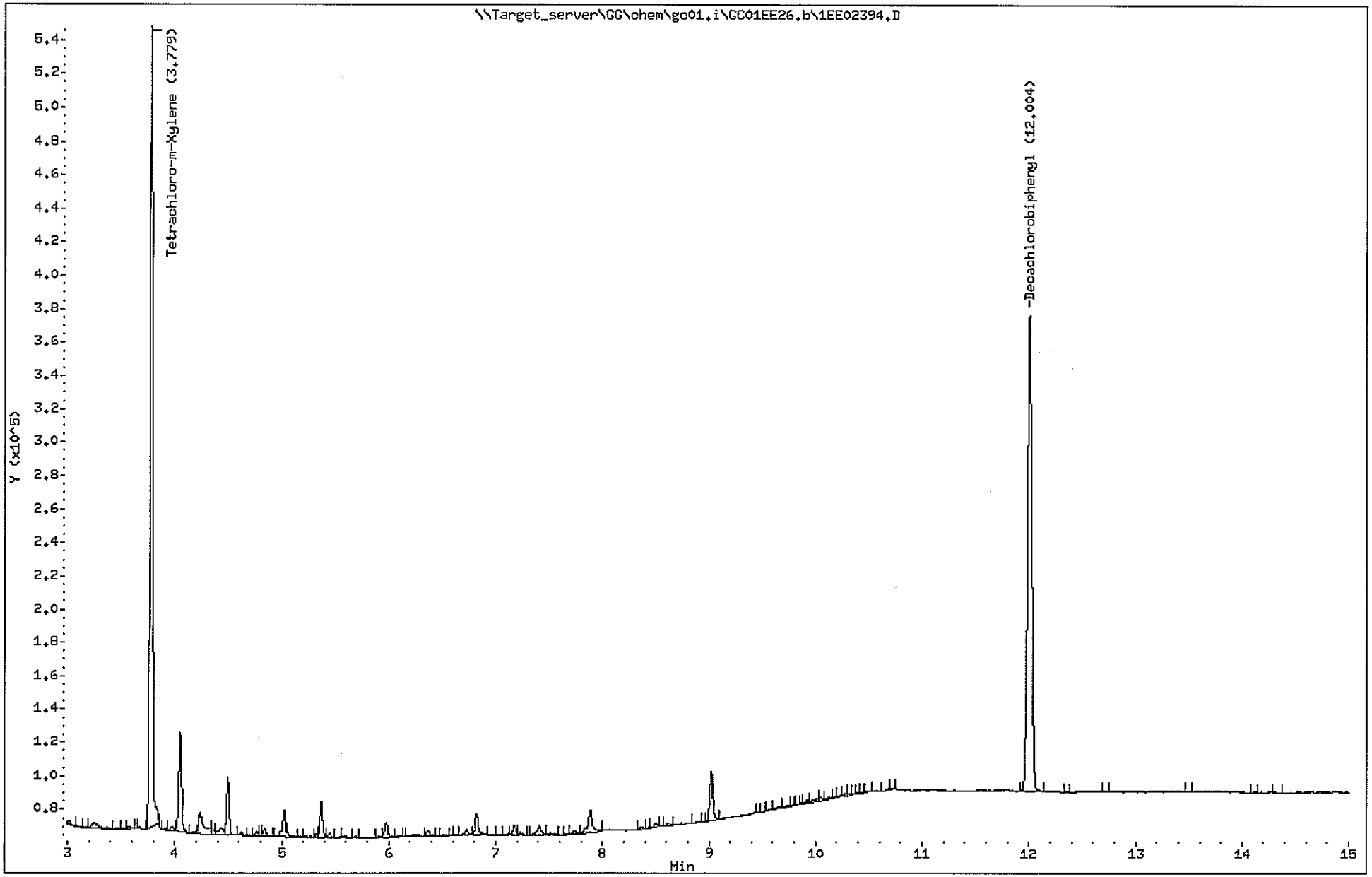
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	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
$ 4 Tetrachloro-m-Xylene	3.778	3.776	0.002	477419	0.06166	3.08	
$ 34 Decachlorobiphenyl	12.003	12.001	0.002	284213	0.08829	4.41	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02394.D
Date : 26-MAY-2011 11:57
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000021

Data File: 1EE02394.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02394.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 26-MAY-2011 11:57
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-8
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

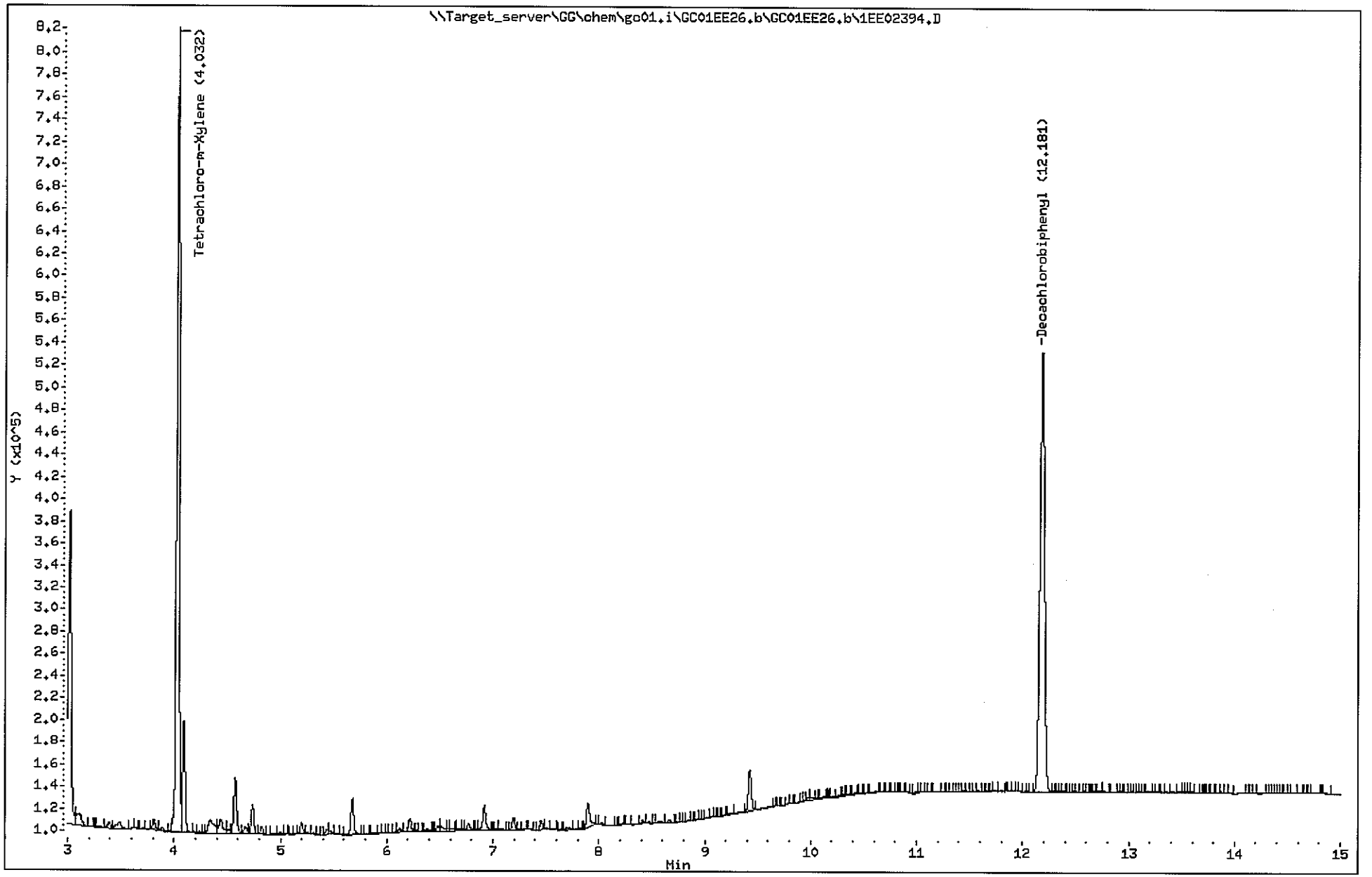
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.032	4.030	0.002	721184	0.06394	3.20	
$ 34 Decachlorobiphenyl	12.180	12.180	0.000	394405	0.09031	4.52	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02394.D
Date : 26-MAY-2011 11:57
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000023

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 94.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		69.2	%					
Decachlorohiphenyl		90.0	%					

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Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02395.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02395.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 26-MAY-2011 12:14
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-10
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

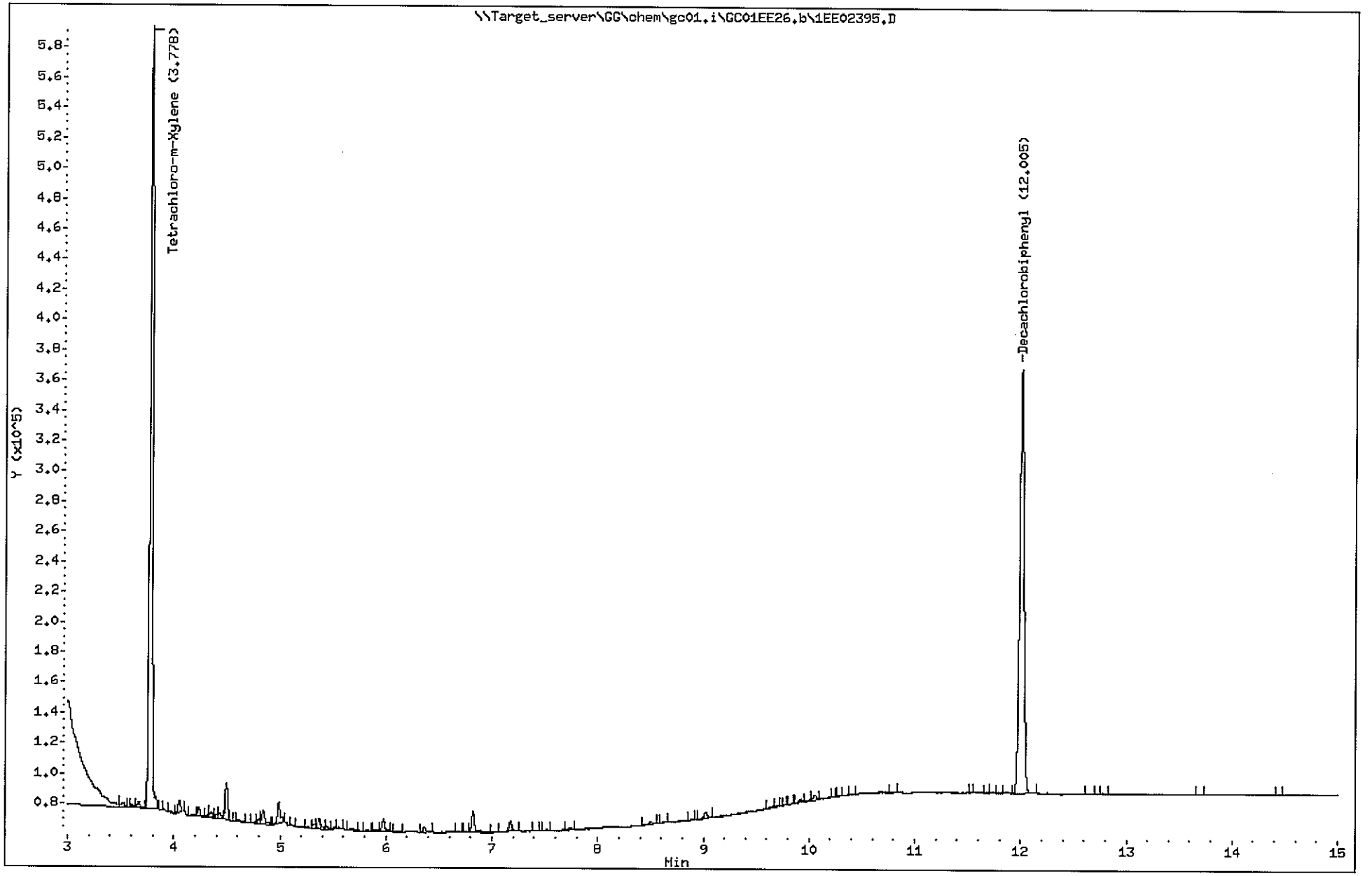
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.778	3.776	0.002	516201	0.06663	3.33	
$ 34 Decachlorobiphenyl	12.004	12.001	0.003	279697	0.08688	4.34	

Data File: \\Target_server\GC\ohem\go01.i\GC01EE26.b\1EE02395.D
Date : 26-MAY-2011 12:14
Client ID: SITE6-IDW-782
Sample Info: SE2818-10
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000026

Data File: 1EE02395.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02395.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 26-MAY-2011 12:14
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-10
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

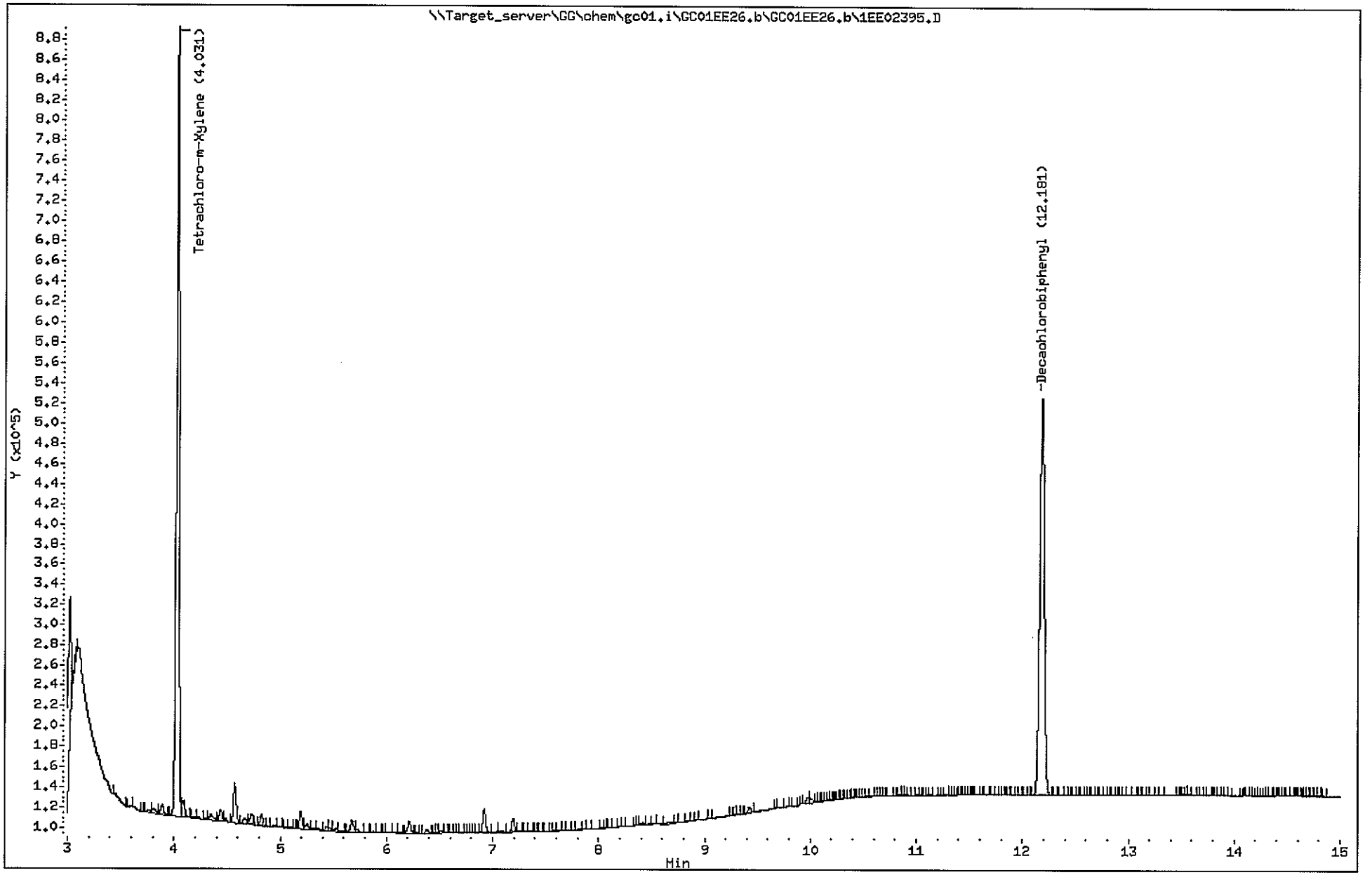
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	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
$ 4 Tetrachloro-m-Xylene	4.031	4.030	0.001	780246	0.06922	3.46	
$ 34 Decachlorobiphenyl	12.181	12.180	0.001	392723	0.08993	4.50	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02395.D
Date : 26-MAY-2011 12:14
Client ID: SITE6-IDW-782
Sample Info: SE2818-10
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000028

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: 92.
Report Date: 08-JUN-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		71.6	%					
Decachlorobiphenyl		87.0	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02396.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02396.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 26-MAY-2011 12:32
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-12
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

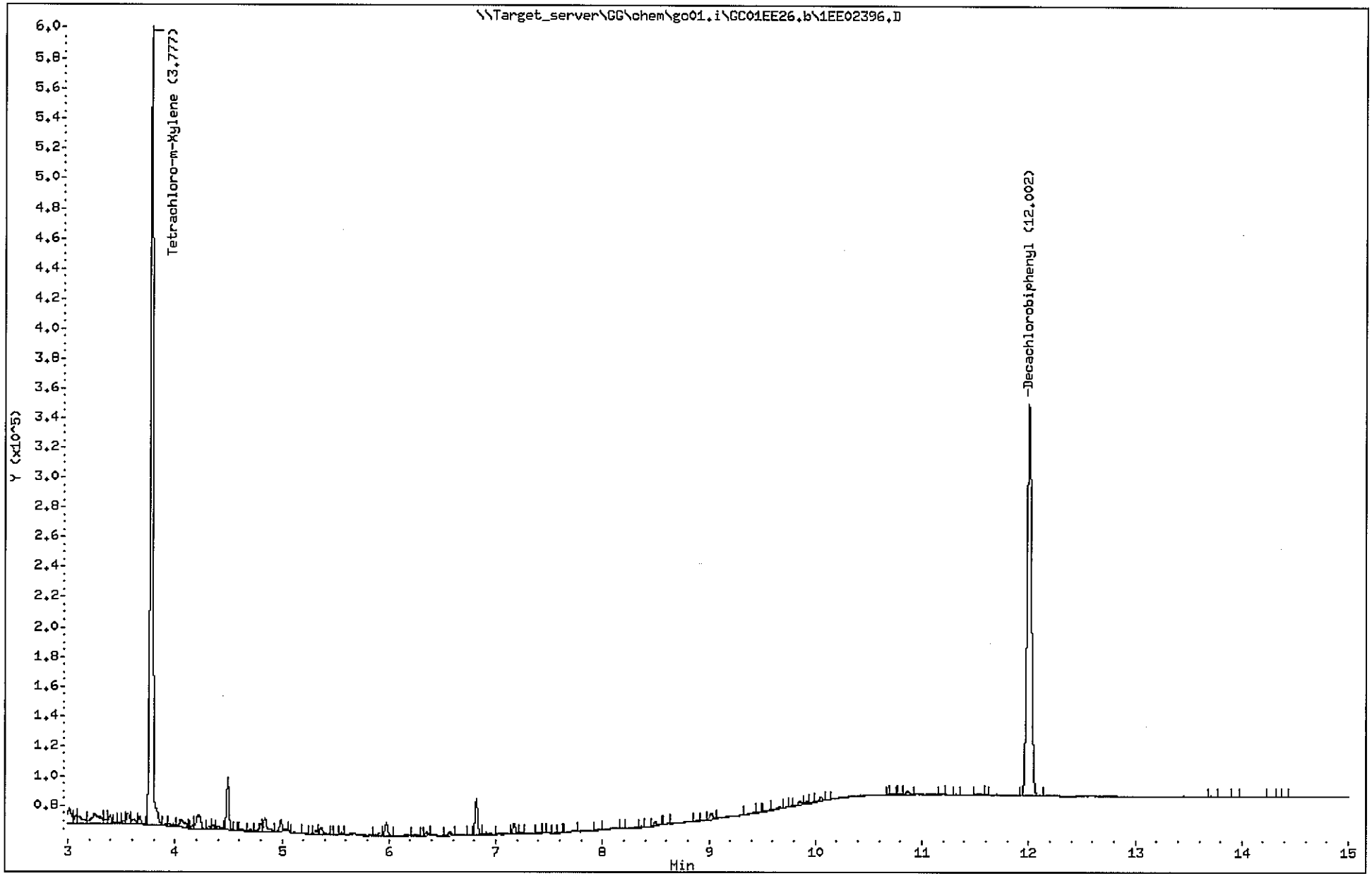
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	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
$ 4 Tetrachloro-m-Xylene	3.777	3.776	0.001	532602	0.06873	3.44	
$ 34 Decachlorobiphenyl	12.002	12.001	0.001	261597	0.08127	4.06	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02396.D
Date : 26-MAY-2011 12:32
Client ID: SITE6-IDW-954
Sample Info: SE2818-12
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000031

Data File: 1EE02396.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02396.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 26-MAY-2011 12:32
Operator : JLP Inst ID: gc01.i
Smp Info : SE2818-12
Misc Info : WG92018,WG91926,1EE
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

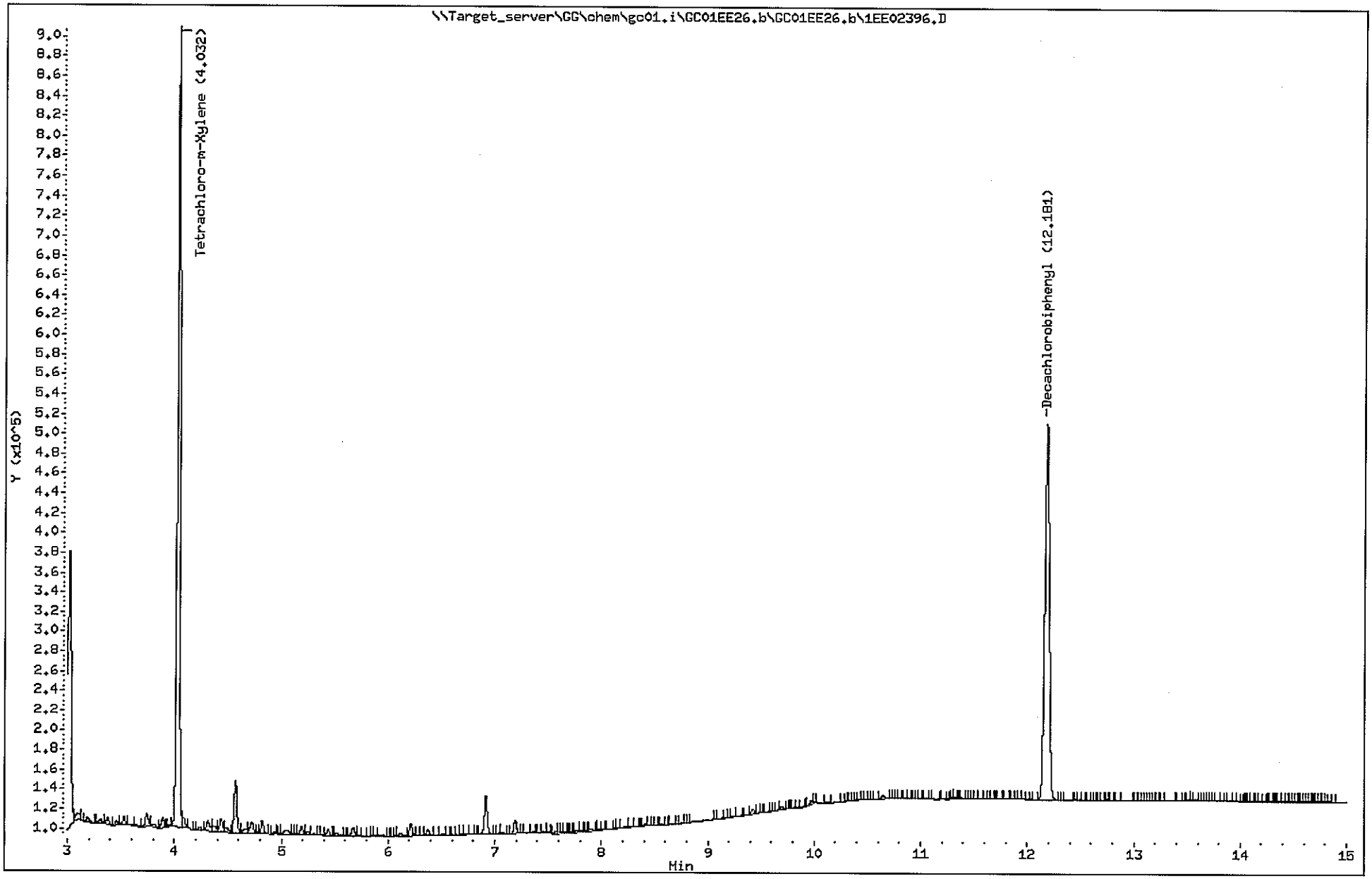
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.032	4.030	0.002	806744	0.07158	3.58	
$ 34 Decachlorobiphenyl	12.180	12.180	0.000	379626	0.08695	4.35	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02396.D
Date : 26-MAY-2011 12:32
Client ID: SITE6-IDW-954
Sample Info: SE2818-12
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000033

Standards Data Section

FORM 6

PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date(s): 05/13/11 05/13/11

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1649 2204

LAB FILE ID: RF0.005: 1EE00226 RF0.01: 1EE00227 RF0.025: 1EE00228
RF0.05: 1EE00225 RF0.1: 1EE00229 RF0.25: 1EE00230

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
gamma-BHC	48746	527300	264800	540330	1079200	2729000	LINR	5.648e-004	9.151e-008	0.99998	0.99000
Heptachlor	32328	368960	178050	339350	735050	1906000	LINR	2.175e-003	1.307e-007	0.99947	0.99000
Heptachlor Epoxide	34956	391850	194330	393930	797660	1992700	LINR	4.257e-004	1.252e-007	0.99999	0.99000
Endrin	26538	298910	149400	296430	628590	1621400	LINR	1.975e-003	1.536e-007	0.99968	0.99000
Methoxychlor	9280	111280	52498	105220	221040	580750	LINR	2.419e-003	4.289e-007	0.99947	0.99000
Chlordane	34497	70945	121880	426780	847990	2123600	LINR	2.658e-002	1.162e-006	0.99824	0.99000
(2)	30032	60117	103780	359410	696660	1777400	LINR	2.678e-002	1.391e-006	0.99831	0.99000
Toxaphene	6391	17284	33253	69349	184360	724360	LINR	1.34e-002	1.377e-005	0.99994	0.99000
(2)	5288	13482	26469	58393	171500	694010	LINR	6.786e-002	1.432e-005	0.99975	0.99000
(3)	10227	25461	52236	118190	339960	1398400	LINR	7.672e-002	7.104e-006	0.99976	0.99000
(4)	6581	16632	36762	79656	227820	970590	LINR	9.411e-002	1.023e-005	0.99964	0.99000
(5)	5691	14470	34811	73109	220060	927720	LINR	0.10115216	1.069e-005	0.99960	0.99000
(6)	15489	38379	84192	174180	515610	2034400	LINR	5.229e-002	4.886e-006	0.99975	0.99000
(7)	5296	13233	28624	59583	190460	812660	LINR	0.11668165	1.219e-005	0.99934	0.99000
(8)	6798	18184	36069	77636	244120	1030200	LINR	0.10734930	9.624e-006	0.99944	0.99000
(9)	8713	21784	46355	99883	301570	1278500	LINR	0.10246324	7.76e-006	0.99954	0.99000
(10)	6798	18054	35495	77841	218340	916150	LINR	7.672e-002	1.085e-005	0.99975	0.99000
Tetrachloro-m-Xylene	36256	76768	191820	380330	777430	1947200	LINR	4.422e-004	1.282e-007	0.99998	0.99000
Decachlorobiphenyl	16361	34927	82913	155570	324240	804980	LINR	5.766e-005	3.104e-007	0.99991	0.99000

FORM VI PESTICIDE

Calibration History

Method : \\Target_server\GG\chem\gc01.i\GC01EE17.b\PEST062.m
Start Cal Date: 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
13-MAY-2011 20:54	TC	1EE00226.D
13-MAY-2011 19:09	Tox	1EE00220.D
13-MAY-2011 17:07	ICAL	1EE00213.D
Cal Level: 2 , Cal Amount: 0.01000		
13-MAY-2011 21:11	TC	1EE00227.D
13-MAY-2011 19:27	Tox	1EE00221.D
13-MAY-2011 18:34	IND	1EE00218.D
13-MAY-2011 17:24	ICAL	1EE00214.D
Cal Level: 3 , Cal Amount: 0.02500		
13-MAY-2011 21:29	TC	1EE00228.D
13-MAY-2011 19:44	Tox	1EE00222.D
13-MAY-2011 17:42	ICAL	1EE00215.D
Cal Level: 4 , Cal Amount: 0.05000		
13-MAY-2011 20:36	TC	1EE00225.D
13-MAY-2011 18:52	Tox	1EE00219.D
13-MAY-2011 16:49	ICAL	1EE00212.D
Cal Level: 5 , Cal Amount: 0.10000		
13-MAY-2011 21:46	TC	1EE00229.D
13-MAY-2011 20:01	Tox	1EE00223.D
13-MAY-2011 17:59	ICAL	1EE00216.D
Cal Level: 6 , Cal Amount: 0.25000		
13-MAY-2011 22:04	TC	1EE00230.D
13-MAY-2011 20:19	Tox	1EE00224.D
13-MAY-2011 18:17	ICAL	1EE00217.D

Continuing Calibration

port Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

libration File Names:
vel 1: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00226.D
vel 2: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00227.D
vel 3: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00228.D
vel 4: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00225.D
vel 5: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00229.D
vel 6: \\Target_server\gg\chem\gc01.i\GC01EE13.b\1EE00230.D

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 Total DDDs	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
60 Hexachlorobenzene	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
53 Aroclor-1016 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
54 Aroclor-1221 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
55 Aroclor-1232 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services 8000037

eport Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
56 Aroclor-1242 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
57 Aroclor-1248 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
58 Aroclor-1254 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
59 Aroclor-1260 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services 8000038

eport Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(5)	5691	14470	34811	73109	220059	927717	LINR	0.10115	93525		0.99960	
(6)	15489	38379	84192	174181	515611	2034399	LINR	0.05229	204681		0.99975	
(7)	5296	13233	28624	59583	190460	812658	LINR	0.11668	82010		0.99935	
(8)	6798	18184	36069	77636	244120	1030169	LINR	0.10735	103906		0.99944	
(9)	8713	21784	46355	99883	301568	1278516	LINR	0.10246	128867		0.99954	
(10) (10)	6798	18054	35495	77841	218344	916146	LINR	0.07672	92137		0.99975	
19 4,4'-DDE	32731	+++++	181984	371613	775067	1953106	LINR	0.00122	7841691		0.99991	
20 Endosulfan I	30437	+++++	165998	328384	703511	1759044	LINR	0.00120	7066025		0.99983	
21 Dieldrin	31871	+++++	185536	361489	759828	1948984	LINR	0.00159	7819196		0.99978	
22 2,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
23 Endrin	26538	+++++	149404	296429	628588	1621366	LINR	0.00198	6510414		0.99968	
24 4,4'-DDD	22656	+++++	130063	264240	555105	1455547	LINR	0.00246	5846651		0.99951	
25 2,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
26 Endosulfan II	24647	+++++	142423	282920	603436	1547245	LINR	0.00194	6215970		0.99972	
27 4,4'-DDT	20492	+++++	123294	238490	524877	1369668	LINR	0.00279	5509599		0.99930	
28 Endrin Aldehyde	16638	+++++	103475	196013	425768	1084971	LINR	0.00182	4359053		0.99966	
29 Methoxychlor	9280	+++++	52498	105220	221035	580747	LINR	0.00242	2331666		0.99947	
30 Propiconizole (Tilt) (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
31 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
32 Endosulfan sulfate	13550	+++++	84054	176686	391664	1041550	LINR	0.00394	4202038		0.99891	
33 Endrin Ketone	18161	+++++	104533	212033	470379	1214221	LINR	0.00287	4891815		0.99938	

Katahdin Analytical Services 8000039

eport Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
52 Dichlobenil	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 Total DDEs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
3 Total DDTs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
5 alpha-BHC	49864	+++++	284364	588779	1174232	2951847	LINR	0.00053	11829124		0.99999	
6 gamma-BHC	48746	+++++	264798	540330	1079158	2728969	LINR	0.00056	10927988		0.99998	
7 beta-BHC	20319	+++++	109597	217174	438683	1121112	LINR	0.00085	4487821		0.99991	
8 delta-BHC	28045	+++++	179982	366370	780170	2088402	LINR	0.00337	8401736		0.99908	
9 Heptachlor	32328	+++++	178054	339350	735050	1905978	LINR	0.00217	7652566		0.99947	
10 Aldrin	38994	+++++	218184	432598	903162	2264073	LINR	0.00089	9083052		0.99993	
11 Chlorothalonil (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
12 Alachlor	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
13 Heptachlor Epoxide	34956	+++++	194327	393930	797658	1992746	LINR	0.00043	7986082		0.99999	
14 Chlordane (1)	34497	70945	121879	426779	847993	2123582	LINR	0.02658	860396		0.99825	
(2)	30032	60117	103782	359407	696661	1777456	LINR	0.02678	718678		0.99831	
15 gamma-Chlordane	33009	+++++	188144	372044	773606	1942164	LINR	0.00087	7789984		0.99994	
16 2,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
17 alpha-Chlordane	32100	+++++	174726	348762	728051	1831563	LINR	0.00101	7347949		0.99992	
18 Toxaphene (1)	6391	17284	33253	69349	184357	724355	LINR	0.01340	72599		0.99994	
(2)	5288	13482	26469	58393	171502	694014	LINR	0.06786	69849		0.99975	
(3)	10227	25461	52236	118187	339964	1398418	LINR	0.07672	140773		0.99977	
(4)	6581	16632	36762	79656	227823	970589	LINR	0.09411	97730		0.99964	

Katahdin Analytical Services 8000040

port Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Tetrachloro-m-Xylene	36256	+++++	191825	380327	777428	1947154	LINR	0.00044	7799263		0.99998
34 Decachlorobiphenyl	16361	+++++	82913	155568	324237	804977	LINR	0.00006	3221327		0.99991

Katahdin Analytical Services 8000041

port Date : 07-Jun-2011 09:35

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

urve	Formula	Units
inear	Amt = b + Rsp/ml	Response

Katahdin Analytical Services 8000042

FORM 6

PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date(s): 05/13/11 05/13/11

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1649 2204

LAB FILE ID: RF0.005: 1EE00226 RF0.01: 1EE00227 RF0.025: 1EE00228
RF0.05: 1EE00225 RF0.1: 1EE00229 RF0.25: 1EE00230

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
gamma-BHC	67621	146570	372880	745350	1488600	3680400	LINR	-2.28e-004	6.788e-008	0.99997	0.99000
Heptachlor	49331	104520	264910	530930	1053800	2670600	LINR	3.785e-004	9.36e-008	0.99997	0.99000
Heptachlor Epoxide	49707	104780	270610	529560	1090800	2735600	LINR	5.534e-004	9.124e-008	0.99996	0.99000
Endrin	38922	82979	214600	426380	875700	2219400	LINR	9.323e-004	1.124e-007	0.99994	0.99000
Methoxychlor	15006	32594	82916	163630	328750	849010	LINR	1.065e-003	2.943e-007	0.99982	0.99000
Chlordane	61896	123580	217710	733040	1376100	3410600	LINR	1.463e-002	7.256e-007	0.99818	0.99000
(2)	63520	127450	222660	738860	1426400	3424200	LINR	1.011e-002	7.212e-007	0.99788	0.99000
Toxaphene	9204	29177	61067	128140	360810	1343900	LINR	5.424e-003	7.407e-006	0.99950	0.99000
(2)	8102	21590	47382	97256	294190	1061100	LINR	3.935e-003	9.363e-006	0.99894	0.99000
(3)	16306	42977	88805	184860	540060	1962100	LINR	-3.57e-003	5.07e-006	0.99914	0.99000
(4)	16781	40660	83565	172040	485630	1746000	LINR	-2.44e-002	5.706e-006	0.99908	0.99000
(5)	22397	61570	123340	259560	744050	2717200	LINR	-5.71e-003	3.663e-006	0.99925	0.99000
(6)	15044	43961	85998	178300	530950	1939300	LINR	3.406e-003	5.128e-006	0.99917	0.99000
(7)	11552	29011	58709	123260	380910	1439200	LINR	3.614e-002	6.901e-006	0.99941	0.99000
(8)	25173	64271	137320	280090	837410	3169800	LINR	2.728e-002	3.137e-006	0.99953	0.99000
(9)	16216	42153	87016	179140	533340	2061700	LINR	3.85e-002	4.823e-006	0.99967	0.99000
(10)	10024	25996	53473	109210	326740	1219900	LINR	1.735e-002	8.152e-006	0.99942	0.99000
Tetrachloro-m-Xylene	54609	116830	290750	561710	1138900	2800300	LINR	-4.25e-004	8.925e-008	0.99994	0.99000
Decachlorobiphenyl	21197	44631	112600	213440	428950	1098900	LINR	4.946e-004	2.277e-007	0.99986	0.99000

FORM VI PESTICIDE

Calibration History

Method : \\Target_server\GG\chem\gc01.i\GC01EE17.b\PEST062.m\PEST062.m
Start Cal Date: 13-MAY-2011 16:49
End Cal Date : 13-MAY-2011 22:04
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
13-MAY-2011 20:54	TC	1EE00226.D
13-MAY-2011 19:09	Tox	1EE00220.D
13-MAY-2011 17:07	ICAL	1EE00213.D
Cal Level: 2 , Cal Amount: 0.01000		
13-MAY-2011 21:11	TC	1EE00227.D
13-MAY-2011 19:27	Tox	1EE00221.D
13-MAY-2011 18:34	IND	1EE00218.D
13-MAY-2011 17:24	ICAL	1EE00214.D
Cal Level: 3 , Cal Amount: 0.02500		
13-MAY-2011 21:29	TC	1EE00228.D
13-MAY-2011 19:44	Tox	1EE00222.D
13-MAY-2011 17:42	ICAL	1EE00215.D
Cal Level: 4 , Cal Amount: 0.05000		
13-MAY-2011 20:36	TC	1EE00225.D
13-MAY-2011 18:52	Tox	1EE00219.D
13-MAY-2011 16:49	ICAL	1EE00212.D
Cal Level: 5 , Cal Amount: 0.10000		
13-MAY-2011 21:46	TC	1EE00229.D
13-MAY-2011 20:01	Tox	1EE00223.D
13-MAY-2011 17:59	ICAL	1EE00216.D
Cal Level: 6 , Cal Amount: 0.25000		
13-MAY-2011 22:04	TC	1EE00230.D
13-MAY-2011 20:19	Tox	1EE00224.D
13-MAY-2011 18:17	ICAL	1EE00217.D

Continuing Calibration

port Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
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ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

libration File Names:
vel 1: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00226.D
vel 2: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00227.D
vel 3: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00228.D
vel 4: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00225.D
vel 5: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00229.D
vel 6: \\Target_server\gg\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00230.D

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 Total DDDs	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
60 Hexachlorobenzene	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
53 Aroclor-1016 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
54 Aroclor-1221 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
55 Aroclor-1232 (1)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	++++++	++++++	++++++	++++++	++++++	++++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

Katahdin Analytical Services 8000045

Katahdin Analytical Services 8000046

eport Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
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ant Method : ESTD
igin : Included
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tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
56 Aroclor-1242 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
57 Aroclor-1248 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
58 Aroclor-1254 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
59 Aroclor-1260 (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-

port Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
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tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
52 Dichlobenil	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 Total DDEs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
3 Total DDTs	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
5 alpha-BHC	72370	+++++	408918	800514	1629333	4023887	LINR	-0.00005	16116015		0.99996	
6 gamma-BHC	67621	+++++	372876	745349	1488624	3680416	LINR	-0.00023	14731929		0.99997	
7 beta-BHC	29690	+++++	158313	306467	621687	1557519	LINR	0.00015	6231293		0.99998	
8 delta-BHC	42378	+++++	258004	524210	1070802	2859369	LINR	0.00260	11473503		0.99930	
9 Heptachlor	49331	+++++	264912	530934	1053831	2670590	LINR	0.00038	10683399		0.99997	
10 Aldrin	55093	+++++	308305	598511	1232727	3081330	LINR	0.00043	12344008		0.99996	
11 Chlorothalonil(1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
12 Alachlor	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
13 Heptachlor Epoxide	49707	+++++	270608	529558	1090814	2735640	LINR	0.00055	10959807		0.99996	
14 Chlordane(1)	61896	123585	217711	733041	1376116	3410656	LINR	0.01463	1378210		0.99818	
(2)	63520	127454	222661	738856	1426404	3424226	LINR	0.01011	1386638		0.99788	
15 gamma-Chlordane	47134	+++++	259210	507254	1052152	2685503	LINR	0.00119	10763501		0.99986	
16 2,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
17 alpha-Chlordane	45629	+++++	245448	483820	986748	2483363	LINR	0.00052	9944756		0.99997	
18 Toxaphene(1)	9204	29177	61067	128141	360814	1343890	LINR	0.00542	135012		0.99950	
(2)	8102	21590	47382	97256	294189	1061137	LINR	0.00394	106801		0.99894	
(3)	16306	42977	88805	184859	540060	1962142	LINR	-0.00357	197228		0.99914	
(4)	16781	40660	83565	172038	485629	1746040	LINR	-0.02444	175242		0.99908	

Katahdin Analytical Services 8000047

port Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
(5)	22397	61570	123340	259555	744054	2717256	LINR	-0.00571	272980		0.99925	
(6)	15044	43961	85998	178298	530952	1939298	LINR	0.00341	194997		0.99917	
(7)	11552	29011	58709	123259	380914	1439215	LINR	0.03614	144900		0.99941	
(8)	25173	64271	137317	280092	837407	3169825	LINR	0.02728	318813		0.99953	
(9)	16216	42153	87016	179144	533341	2061684	LINR	0.03850	207348		0.99967	
(10)	(10) 10024	25996	53473	109209	326739	1219874	LINR	0.01735	122663		0.99942	
19 4,4'-DDE	47605	+++++	261390	518959	1059148	2676032	LINR	0.00073	10720522		0.99996	
20 Endosulfan I	43040	+++++	237567	461290	964998	2403827	LINR	0.00058	9638044		0.99993	
21 Dieldrin	45163	+++++	256048	501192	1044012	2639926	LINR	0.00103	10585693		0.99991	
22 2,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
23 Endrin	38922	+++++	214595	426378	875703	2219405	LINR	0.00093	8894793		0.99994	
24 4,4'-DDD	33406	+++++	186527	374992	782254	1989218	LINR	0.00138	7982829		0.99987	
25 2,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
26 Endosulfan II	35603	+++++	199905	391597	816926	2099425	LINR	0.00152	8418696		0.99978	
27 4,4'-DDT	31722	+++++	181269	363734	750036	1944214	LINR	0.00176	7797897		0.99974	
28 Endrin Aldehyde	23568	+++++	142310	285223	594495	1528258	LINR	0.00174	6134872		0.99980	
29 Methoxychlor	15006	+++++	82916	163634	328749	849009	LINR	0.00107	3397751		0.99983	
30 Propiconizole (Tilt) (1)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
31 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
32 Endosulfan sulfate	21017	+++++	129100	264878	567167	1506856	LINR	0.00325	6063550		0.99918	
33 Endrin Ketone	24963	+++++	144727	292481	603747	1646172	LINR	0.00327	6608586		0.99876	

Katahdin Analytical Services 8000048

port Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

Compound	0.0050000 Level 1	0.0100000 Level 2	0.0250000 Level 3	0.0500000 Level 4	0.1000000 Level 5	0.2500000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Tetrachloro-m-Xylene	54609	+++++	290750	561707	1138897	2800321	LINR	-0.00043	11203919		0.99994
34 Decachlorobiphenyl	21197	+++++	112604	213439	428951	1098940	LINR	0.00049	4391076		0.99986

Katahdin Analytical Services 8000049

port Date : 07-Jun-2011 09:28

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 13-MAY-2011 16:49
d Cal Date : 13-MAY-2011 22:04
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : Falcon
thod file : \\Target_server\gg\chem\gc01.i\GC01EF06.b\PEST062.m\PEST062.m
l Date : 06-Jun-2011 15:44 gc01.i

rve	Formula	Units
near	Amt = b + Rsp/ml	Response

Katahdin Analytical Services 8000050

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/13/11
Lab Sample ID (PEM): EVAL Time Analyzed :1632

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE00211.D	4.92	4.43

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

/D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/13/11
Lab Sample ID (PEM): EVAL Time Analyzed :1632

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE00211.D	4.63	2.87

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/13/11 Time: 1834

Lab File ID: 1EE00218 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.02e-002	5.e-002	11745000	0.001	0.40	15.00	LINR
Endosulfan sulfate	4.35e-002	5.e-002	3325900.0	0.001	-13.00	15.00	LINR
beta-BHC	5.45e-002	5.e-002	4815000.0	0.001	9.00	15.00	LINR
delta-BHC	4.67e-002	5.e-002	7276700.0	0.001	-6.60	15.00	LINR
Heptachlor	5.04e-002	5.e-002	7379200.0	0.001	0.80	15.00	LINR
Aldrin	4.96e-002	5.e-002	8847300.0	0.001	-0.80	15.00	LINR
Heptachlor Epoxide	4.95e-002	5.e-002	7836900.0	0.001	-1.00	15.00	LINR
gamma-Chlordane	5.05e-002	5.e-002	7733700.0	0.001	1.00	15.00	LINR
alpha-Chlordane	5.05e-002	5.e-002	7272000.0	0.001	1.00	15.00	LINR
4,4'-DDE	5.03e-002	5.e-002	7703400.0	0.001	0.60	15.00	LINR
Endosulfan I	4.99e-002	5.e-002	6882100.0	0.001	-0.20	15.00	LINR
Dieldrin	4.96e-002	5.e-002	7511900.0	0.001	-0.80	15.00	LINR
Endrin	4.79e-002	5.e-002	5978300.0	0.001	-4.20	15.00	LINR
4,4'-DDD	4.7e-002	5.e-002	5209800.0	0.001	-6.00	15.00	LINR
Endosulfan II	4.75e-002	5.e-002	5663500.0	0.001	-5.00	15.00	LINR
4,4'-DDT	4.77e-002	5.e-002	4947700.0	0.001	-4.60	15.00	LINR
Endrin Aldehyde	4.33e-002	5.e-002	3612500.0	0.001	-13.40	15.00	LINR
Methoxychlor	5.01e-002	5.e-002	2225700.0	0.001	0.20	15.00	LINR
Endrin Ketone	4.43e-002	5.e-002	4054000.0	0.001	-11.40	15.00	LINR
gamma-BHC	4.88e-002	5.e-002	10546000	0.001	-2.40	15.00	LINR

FORM VII PEST

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/13/11 Time: 1834

Lab File ID: 1EE00218 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.07e-002	5.e-002	16354000	0.001	1.40	15.00	LINR
Endosulfan sulfate	4.54e-002	5.e-002	5113400.0	0.001	-9.20	15.00	LINR
beta-BHC	5.41e-002	5.e-002	6718300.0	0.001	8.20	15.00	LINR
delta-BHC	4.85e-002	5.e-002	10522000	0.001	-3.00	15.00	LINR
Heptachlor	4.92e-002	5.e-002	10426000	0.001	-1.60	15.00	LINR
Aldrin	4.98e-002	5.e-002	12199000	0.001	-0.40	15.00	LINR
Heptachlor Epoxide	5.06e-002	5.e-002	10964000	0.001	1.20	15.00	LINR
gamma-Chlordane	4.98e-002	5.e-002	10472000	0.001	-0.40	15.00	LINR
alpha-Chlordane	5.15e-002	5.e-002	10138000	0.001	3.00	15.00	LINR
4,4'-DDE	5.12e-002	5.e-002	10822000	0.001	2.40	15.00	LINR
Endosulfan I	5.08e-002	5.e-002	9680800.0	0.001	1.60	15.00	LINR
Dieldrin	4.89e-002	5.e-002	10139000	0.001	-2.20	15.00	LINR
Endrin	4.92e-002	5.e-002	8580700.0	0.001	-1.60	15.00	LINR
4,4'-DDD	4.91e-002	5.e-002	7620700.0	0.001	-1.80	15.00	LINR
Endosulfan II	4.81e-002	5.e-002	7847800.0	0.001	-3.80	15.00	LINR
4,4'-DDT	4.83e-002	5.e-002	7256700.0	0.001	-3.40	15.00	LINR
Endrin Aldehyde	4.41e-002	5.e-002	5195000.0	0.001	-11.80	15.00	LINR
Methoxychlor	5.03e-002	5.e-002	3347900.0	0.001	0.60	15.00	LINR
Endrin Ketone	4.54e-002	5.e-002	5566000.0	0.001	-9.20	15.00	LINR
gamma-BHC	4.92e-002	5.e-002	14560000	0.001	-1.60	15.00	LINR

FORM VII PEST

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00211.D
Report Date: 17-May-2011 10:47

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00211.D
Lab Smp Id: EVAL
Inj Date : 13-MAY-2011 16:32
Operator : CB Inst ID: gc01.i
Smp Info : EVAL
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: eval.sub
Target Version: 4.12
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

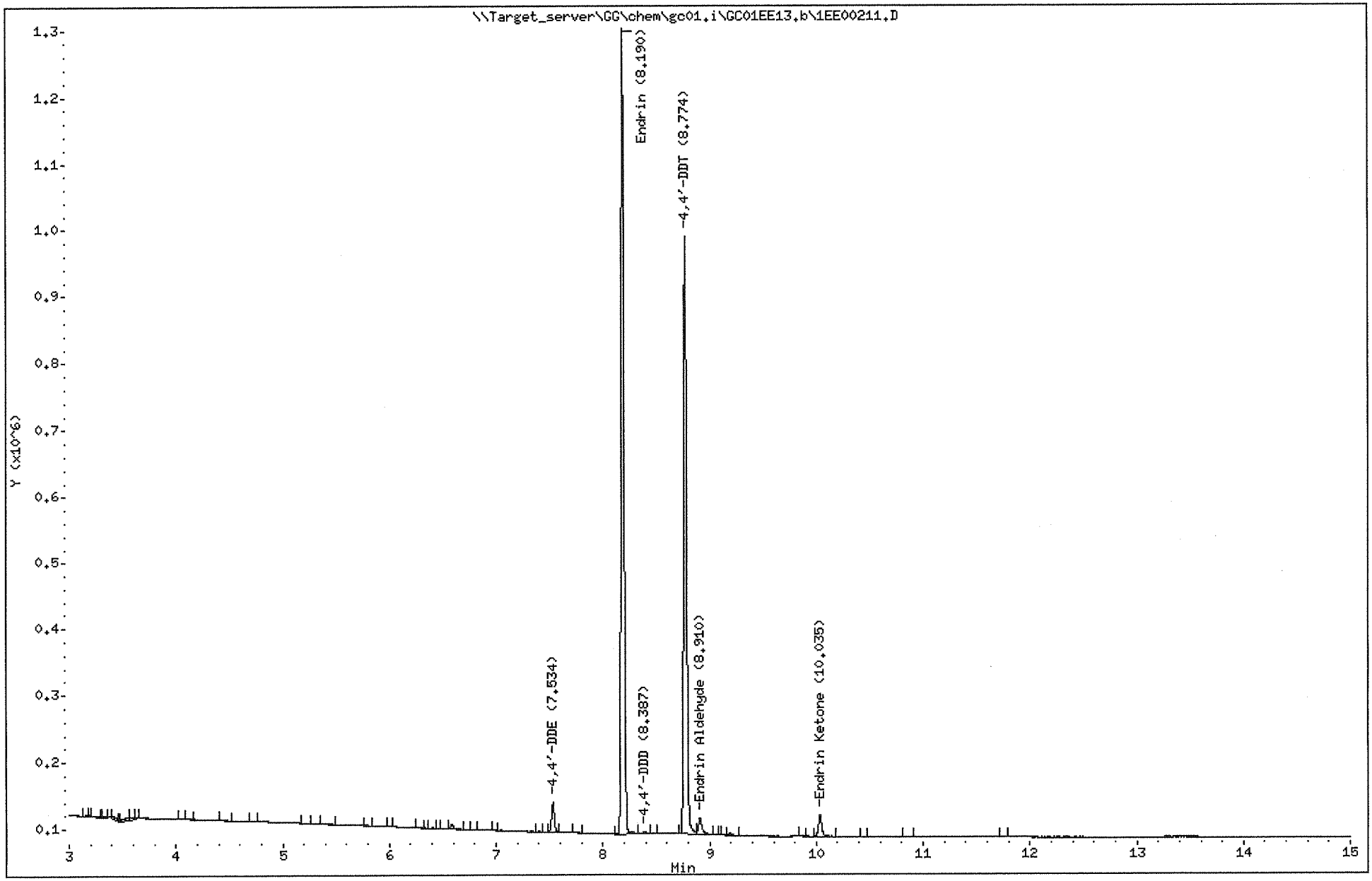
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
19 4,4'-DDE	7.533	7.525	0.008	44307	0.00687	0.0687	
23 Endrin	8.190	8.182	0.008	1210023	0.18783	1.88	
24 4,4'-DDD	8.387	8.379	0.008	2159	0.00283	0.0283	
27 4,4'-DDT	8.773	8.765	0.008	898433	0.16586	1.66	
28 Endrin Aldehyde	8.910	8.902	0.008	23929	0.00731	0.0731	
33 Endrin Ketone	10.035	10.025	0.010	32153	0.00944	0.0944	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00211.D
Date : 13-MAY-2011 16:32
Client ID:
Sample Info: EVAL
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000056

Data File: 1EE00211.D
Report Date: 17-May-2011 10:47

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00211.D
Lab Smp Id: EVAL
Inj Date : 13-MAY-2011 16:32
Operator : CB Inst ID: gc01.i
Smp Info : EVAL
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: eval.sub
Target Version: 4.12
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

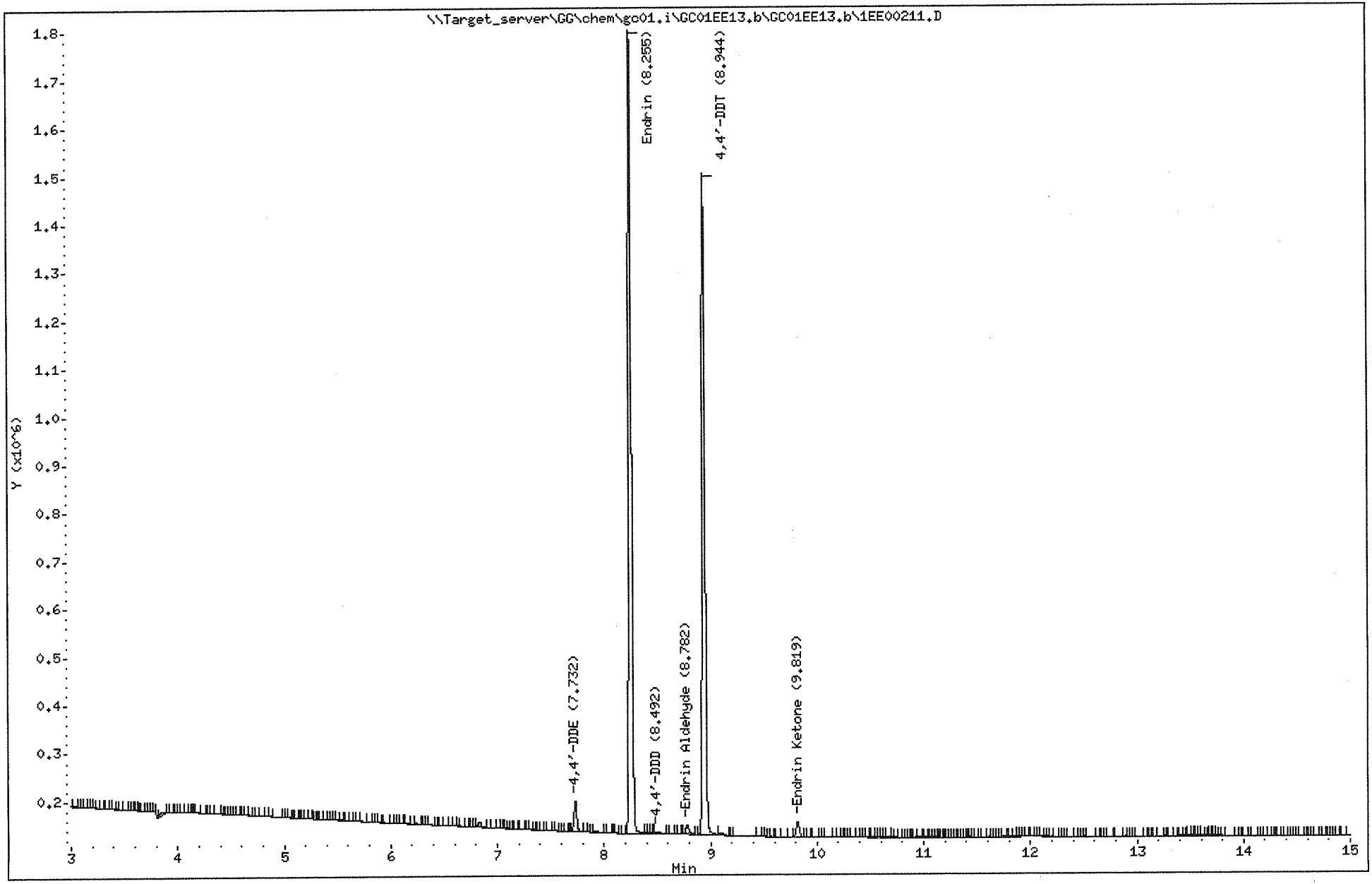
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
19 4,4'-DDE	7.732	7.730	0.002	63588	0.00666	0.0666	
23 Endrin	8.255	8.252	0.003	1671330	0.18883	1.89	
24 4,4'-DDD	8.492	8.487	0.005	3136	0.00178	0.0178	
27 4,4'-DDT	8.943	8.940	0.003	1374191	0.17798	1.78	
28 Endrin Aldehyde	8.782	8.777	0.005	18205	0.00471	0.0471	
33 Endrin Ketone	9.818	9.815	0.003	31113	0.00798	0.0798	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00211.D
Date : 13-MAY-2011 16:32
Client ID:
Sample Info: EVAL
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000058

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00212.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00212.D
Lab Smp Id: INDAB 0.05
Inj Date : 13-MAY-2011 16:49
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

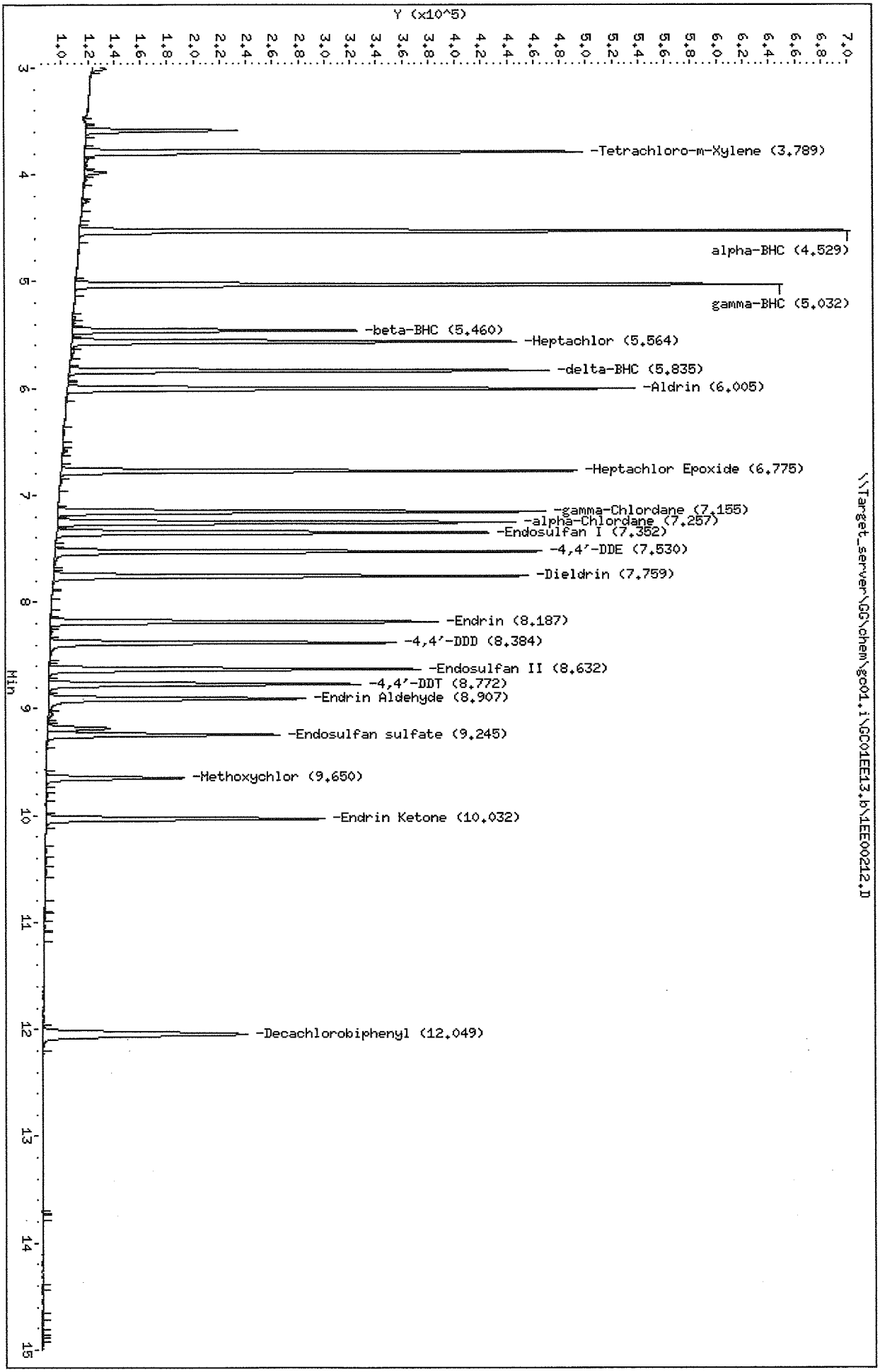
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.788	3.787	0.001	380327	0.05000	0.0500	
5 alpha-BHC	4.528	4.524	0.004	588779	0.05000	0.0413	
6 gamma-BHC	5.032	5.027	0.005	540330	0.05000	0.0415(a)	
7 beta-BHC	5.460	5.455	0.005	217174	0.05000	0.0395	
8 delta-BHC	5.835	5.832	0.003	366370	0.05000	0.0406	
9 Heptachlor	5.563	5.560	0.003	339350	0.05000	0.0500	
10 Aldrin	6.005	6.000	0.005	432598	0.05000	0.0500	
13 Heptachlor Epoxide	6.775	6.770	0.005	393930	0.05000	0.0500	
15 gamma-Chlordane	7.155	7.150	0.005	372044	0.05000	0.0420	
17 alpha-Chlordane	7.257	7.252	0.005	348762	0.05000	0.0412	
19 4,4'-DDE	7.530	7.525	0.005	371613	0.05000	0.0399	
20 Endosulfan I	7.352	7.347	0.005	328384	0.05000	0.0500	
21 Dieldrin	7.758	7.754	0.004	361489	0.05000	0.0397	
23 Endrin	8.187	8.182	0.005	296429	0.05000	0.0500	
24 4,4'-DDD	8.383	8.379	0.004	264240	0.05000	0.0408	
26 Endosulfan II	8.632	8.625	0.007	282920	0.05000	0.0400	
27 4,4'-DDT	8.772	8.765	0.007	238490	0.05000	0.0391	
28 Endrin Aldehyde	8.907	8.902	0.005	196013	0.05000	0.0405	
29 Methoxychlor	9.650	9.642	0.008	105220	0.05000	0.0398	
32 Endosulfan sulfate	9.245	9.240	0.005	176686	0.05000	0.0405	
33 Endrin Ketone	10.032	10.025	0.007	212033	0.05000	0.0399	
$ 34 Decachlorobiphenyl	12.048	12.037	0.011	155568	0.05000	0.0500	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00212.D
Date : 13-MAY-2011 16:49
Client ID:
Sample Info: INDAB 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00212.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00212.D
Lab Smp Id: INDAB 0.05
Inj Date : 13-MAY-2011 16:49
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

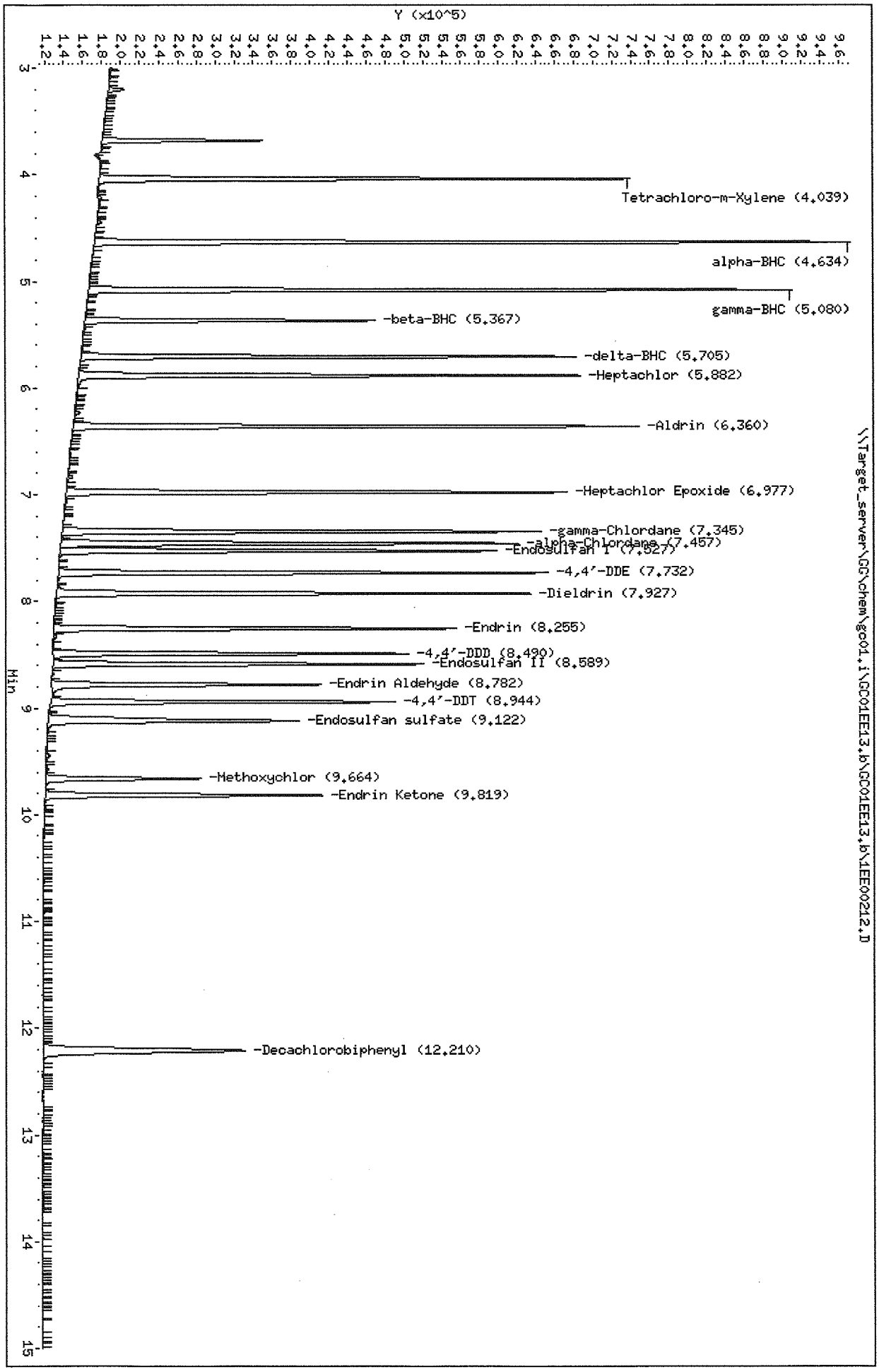
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.038	4.037	0.001	561707	0.05000	0.0492	
5 alpha-BHC	4.633	4.630	0.003	800514	0.05000	0.0402	
6 gamma-BHC	5.080	5.079	0.001	745349	0.05000	0.0500	
7 beta-BHC	5.367	5.365	0.002	306467	0.05000	0.0500	
8 delta-BHC	5.705	5.704	0.001	524210	0.05000	0.0412	
9 Heptachlor	5.882	5.880	0.002	530934	0.05000	0.0415	
10 Aldrin	6.360	6.357	0.003	598511	0.05000	0.0500	
13 Heptachlor Epoxide	6.977	6.974	0.003	529558	0.05000	0.0500	
15 gamma-Chlordane	7.345	7.342	0.003	507254	0.05000	0.0400	
17 alpha-Chlordane	7.457	7.454	0.003	483820	0.05000	0.0411	
19 4,4'-DDE	7.732	7.730	0.002	518959	0.05000	0.0401	
20 Endosulfan I	7.527	7.524	0.003	461290	0.05000	0.0500	
21 Dieldrin	7.927	7.924	0.003	501192	0.05000	0.0401	
23 Endrin	8.255	8.252	0.003	426378	0.05000	0.0500	
24 4,4'-DDD	8.490	8.487	0.003	374992	0.05000	0.0402	
26 Endosulfan II	8.588	8.585	0.003	391597	0.05000	0.0404	
27 4,4'-DDT	8.943	8.940	0.003	363734	0.05000	0.0408	
28 Endrin Aldehyde	8.782	8.777	0.005	285223	0.05000	0.0417	
29 Methoxychlor	9.663	9.659	0.004	163634	0.05000	0.0409	
32 Endosulfan sulfate	9.122	9.119	0.003	264878	0.05000	0.0408	
33 Endrin Ketone	9.818	9.815	0.003	292481	0.05000	0.0418	
$ 34 Decachlorobiphenyl	12.210	12.205	0.005	213439	0.05000	0.0500	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00212.D
Date : 13-MAY-2011 16:49
Client ID:
Sample Info: INDAB 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00213.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00213.D
Lab Smp Id: INDAB 0.005
Inj Date : 13-MAY-2011 17:07
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.005
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

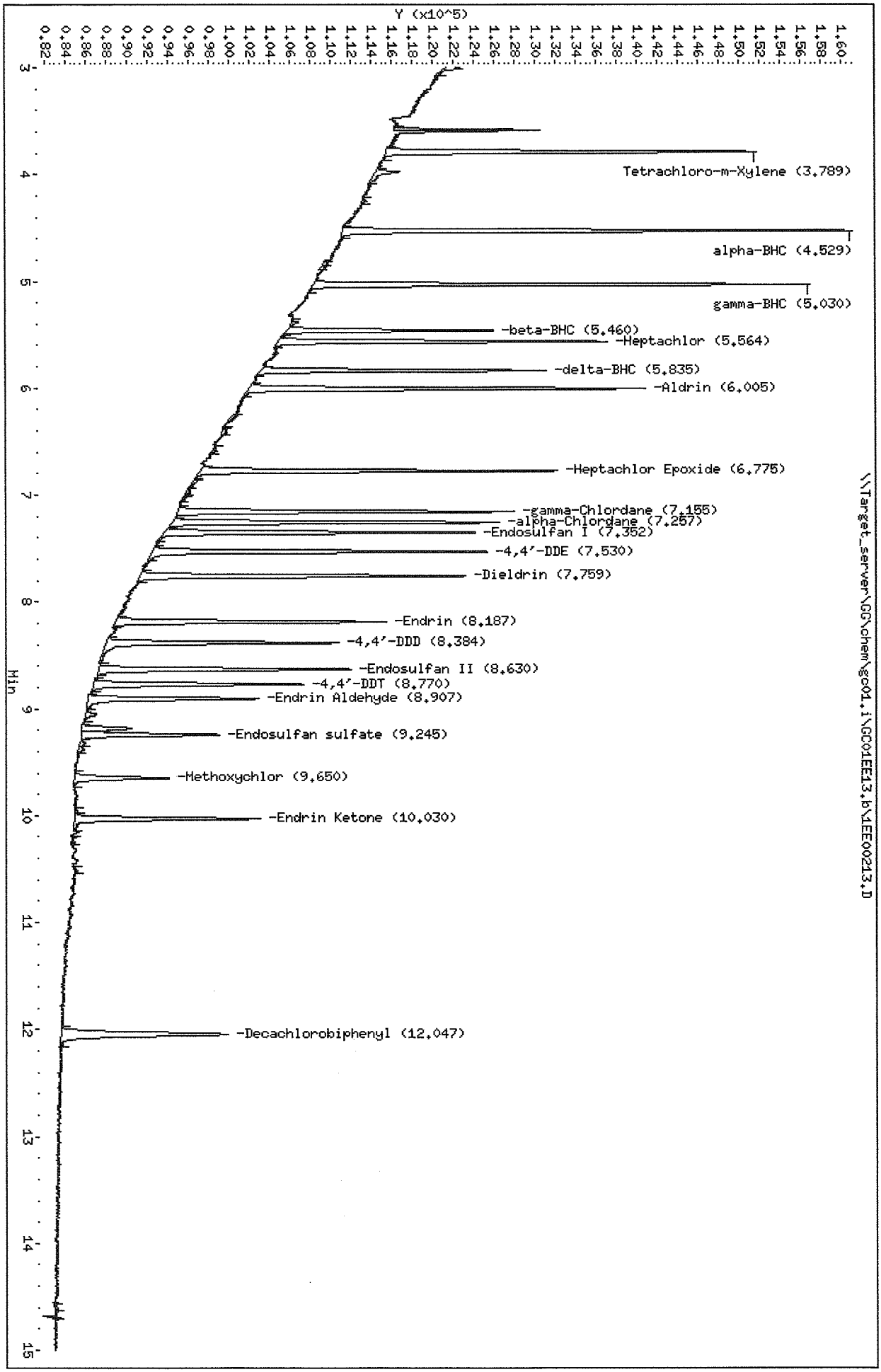
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.788	3.787	0.001	36256	0.00500	0.0718	
5 alpha-BHC	4.528	4.524	0.004	49864	0.00500	0.00184	
6 gamma-BHC	5.030	5.027	0.003	48746	0.00500	0.00178(a)	
7 beta-BHC	5.460	5.455	0.005	20319	0.00500	0.00240	
8 delta-BHC	5.835	5.832	0.003	28045	0.00500	0.00151	
9 Heptachlor	5.563	5.560	0.003	32328	0.00500	0.0441	
10 Aldrin	6.005	6.000	0.005	38994	0.00500	0.00500	
13 Heptachlor Epoxide	6.775	6.770	0.005	34956	0.00500	0.0393	
15 gamma-Chlordane	7.155	7.150	0.005	33009	0.00500	0.00193	
17 alpha-Chlordane	7.257	7.252	0.005	32100	0.00500	0.00214	
19 4,4'-DDE	7.530	7.525	0.005	32731	0.00500	0.00222	
20 Endosulfan I	7.352	7.347	0.005	30437	0.00500	0.00500	
21 Dieldrin	7.758	7.754	0.004	31871	0.00500	0.00191	
23 Endrin	8.187	8.182	0.005	26538	0.00500	0.0659	
24 4,4'-DDD	8.383	8.379	0.004	22656	0.00500	0.00174	
26 Endosulfan II	8.630	8.625	0.005	24647	0.00500	0.00190	
27 4,4'-DDT	8.770	8.765	0.005	20492	0.00500	0.00195	
28 Endrin Aldehyde	8.907	8.902	0.005	16638	0.00500	0.00144	
29 Methoxychlor	9.650	9.642	0.008	9280	0.00500	0.00204	
32 Endosulfan sulfate	9.245	9.240	0.005	13550	0.00500	0.00178	
33 Endrin Ketone	10.030	10.025	0.005	18161	0.00500	0.00201	
$ 34 Decachlorobiphenyl	12.047	12.037	0.010	16361	0.00500	0.00500	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00213.D
Date : 13-MAY-2011 17:07
Client ID:
Sample Info: INDAB 0.005
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



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Data File: 1EE00213.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00213.D
Lab Smp Id: INDAB 0.005
Inj Date : 13-MAY-2011 17:07
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.005
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

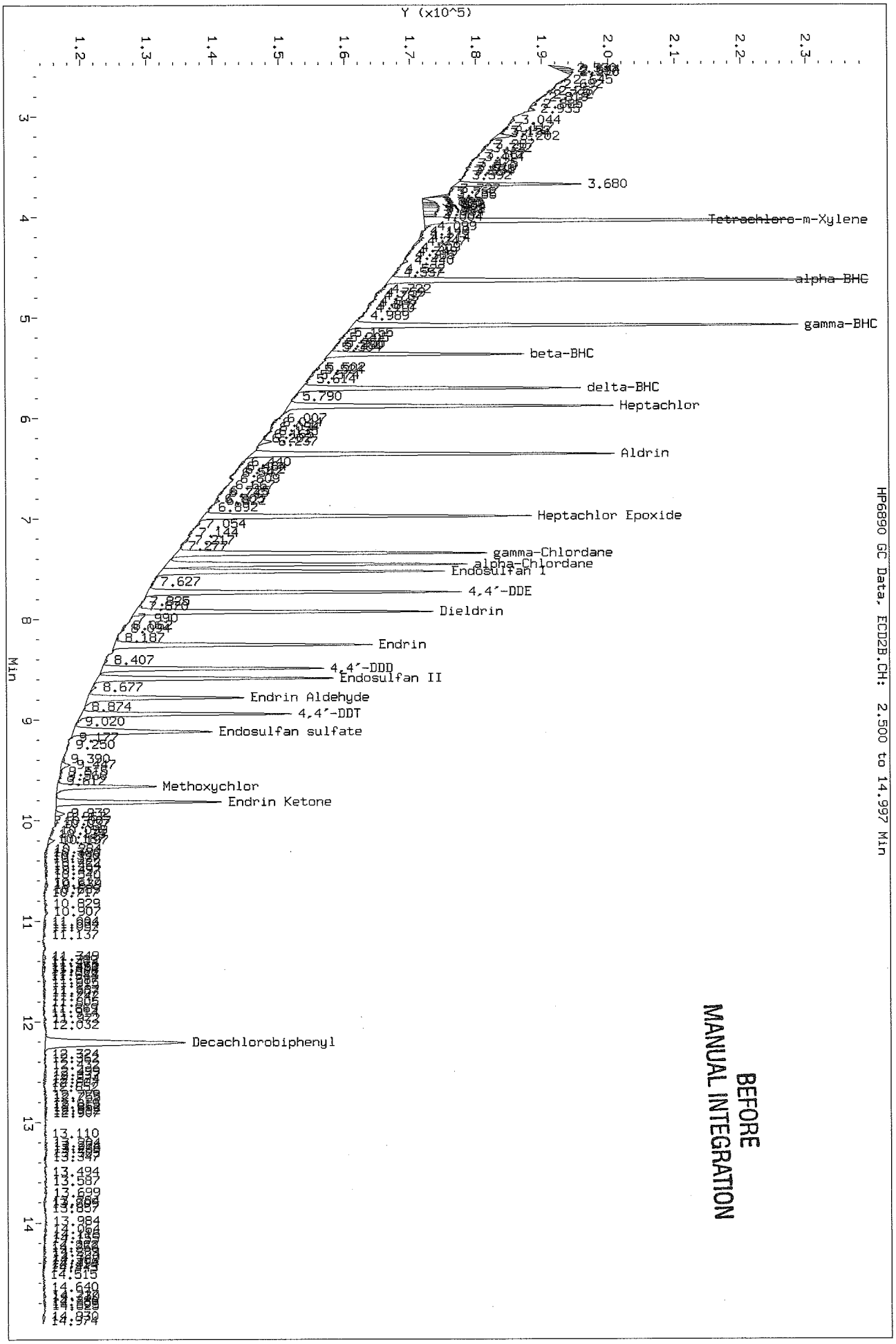
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.040	4.037	0.003	54609	0.00500	0.00478(M)	M2
5 alpha-BHC	4.633	4.630	0.003	72370	0.00500	0.00197	
6 gamma-BHC	5.080	5.079	0.001	67621	0.00500	0.0272(a)	
7 beta-BHC	5.368	5.365	0.003	29690	0.00500	0.0895	
8 delta-BHC	5.705	5.704	0.001	42378	0.00500	0.00147	
9 Heptachlor	5.883	5.880	0.003	49331	0.00500	0.00174	
10 Aldrin	6.360	6.357	0.003	55093	0.00500	0.00561	
13 Heptachlor Epoxide	6.977	6.974	0.003	49707	0.00500	0.0409	
15 gamma-Chlordane	7.345	7.342	0.003	47134	0.00500	0.00199	
17 alpha-Chlordane	7.457	7.454	0.003	45629	0.00500	0.00206	
19 4,4'-DDE	7.732	7.730	0.002	47605	0.00500	0.00208	
20 Endosulfan I	7.525	7.524	0.001	43040	0.00500	0.00505	
21 Dieldrin	7.927	7.924	0.003	45163	0.00500	0.00189	
23 Endrin	8.255	8.252	0.003	38922	0.00500	0.0952	
24 4,4'-DDD	8.490	8.487	0.003	33406	0.00500	0.00201	
26 Endosulfan II	8.588	8.585	0.003	35603	0.00500	0.00180	
27 4,4'-DDT	8.943	8.940	0.003	31722	0.00500	0.00172	
28 Endrin Aldehyde	8.780	8.777	0.003	23568	0.00500	0.00136	
29 Methoxychlor	9.663	9.659	0.004	15006	0.00500	0.00178	
32 Endosulfan sulfate	9.120	9.119	0.001	21017	0.00500	0.00159	
33 Endrin Ketone	9.818	9.815	0.003	24963	0.00500	0.00130	
$ 34 Decachlorobiphenyl	12.208	12.205	0.003	21197	0.00500	0.00647	

CB 5/17/11

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00213.D
Injection Date: 13-MAY-2011 17:07
Instrument: gc01.i
Client Sample ID:

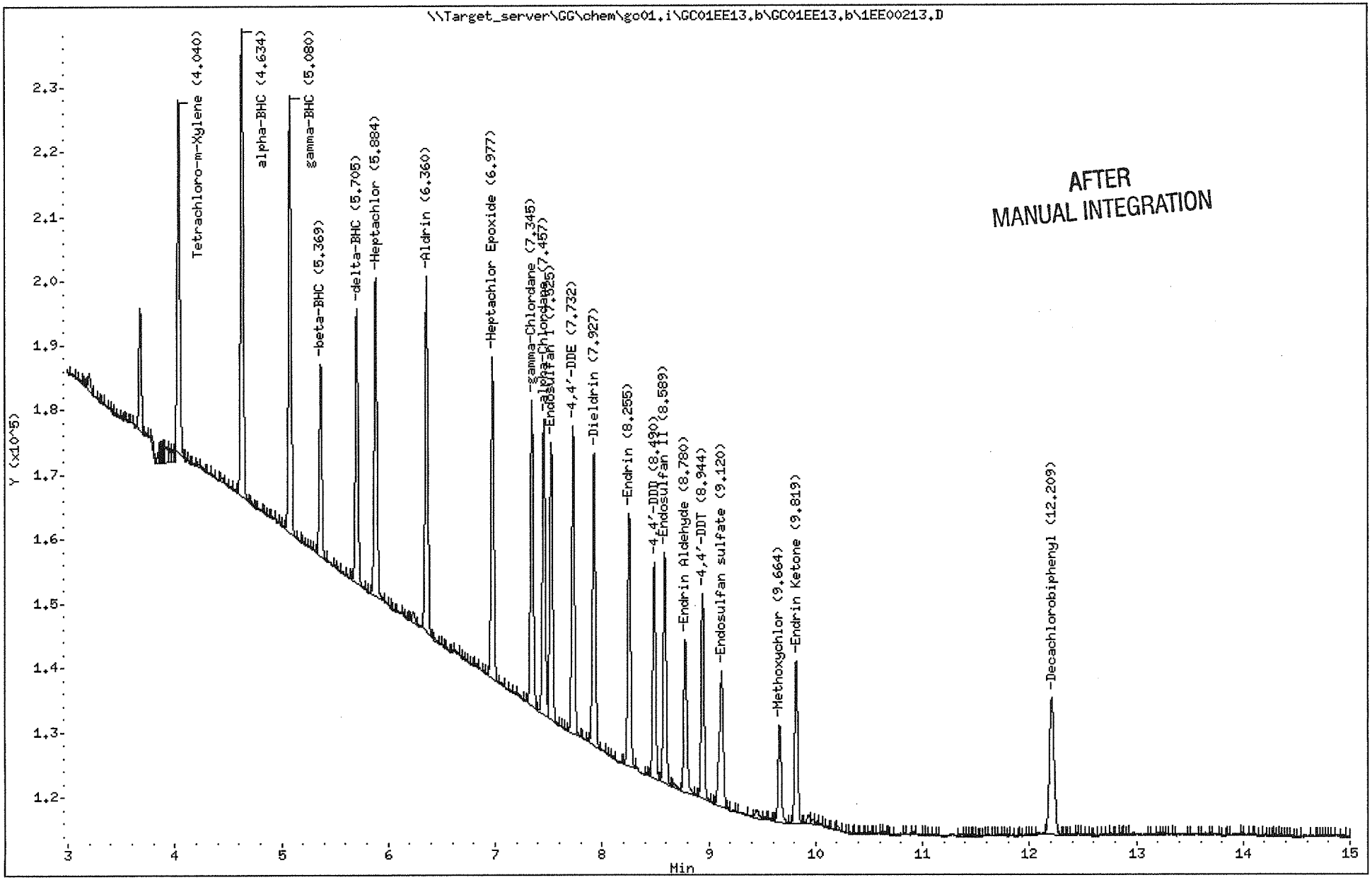


BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00213.D
Date : 13-MAY-2011 17:07
Client ID:
Sample Info: INDAB 0.005
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000067

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00214.D
Lab Smp Id: INDAB 0.01
Inj Date : 13-MAY-2011 17:24
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.01
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

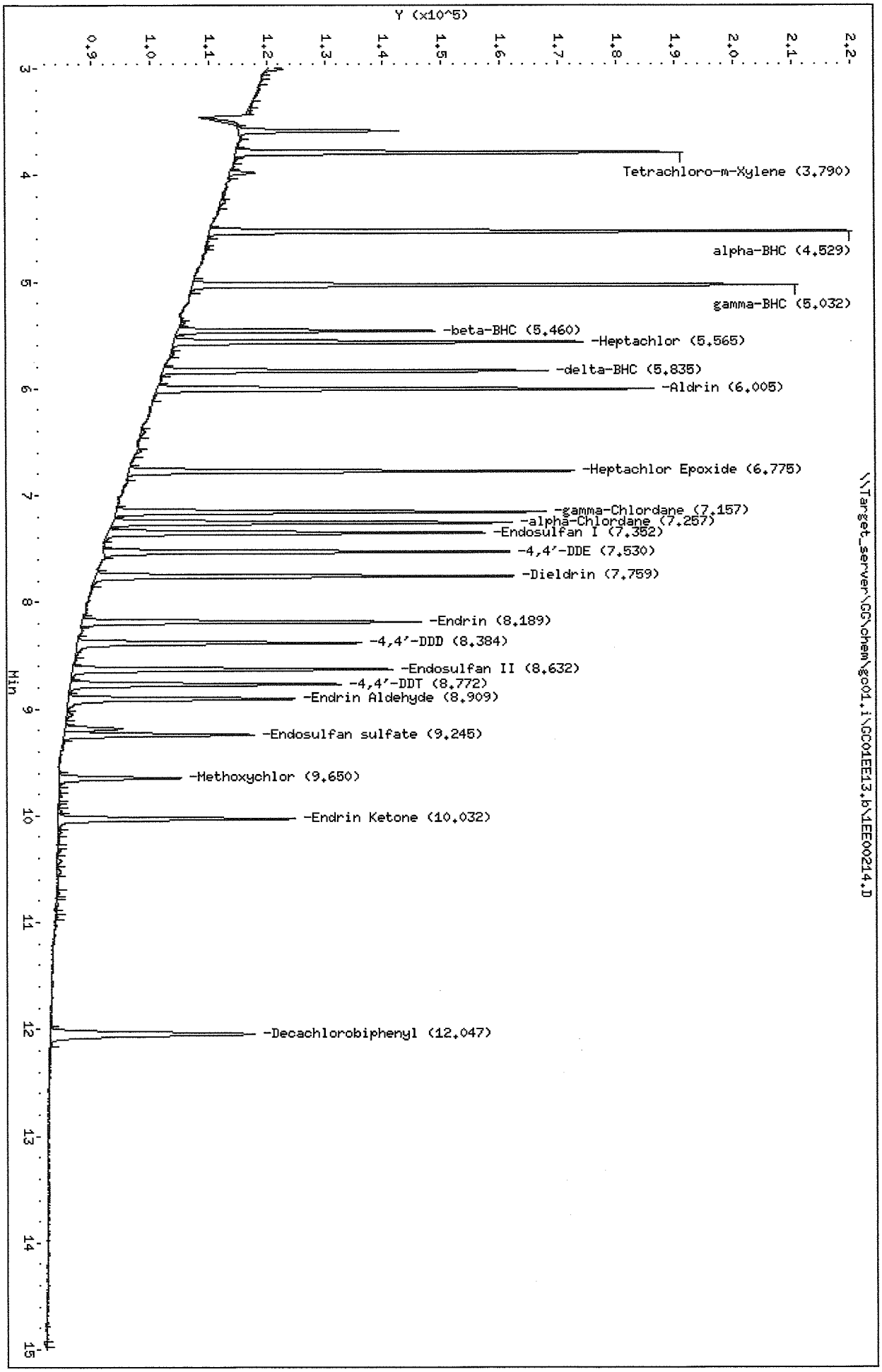
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.790	3.787	0.003	76768	0.01000	0.0189	
5 alpha-BHC	4.528	4.524	0.004	110202	0.01000	0.00984	
6 gamma-BHC	5.031	5.027	0.004	103729	0.01000	0.00990(a)	
7 beta-BHC	5.460	5.455	0.005	44138	0.01000	0.0102	
8 delta-BHC	5.835	5.832	0.003	66087	0.01000	0.00980	
9 Heptachlor	5.565	5.560	0.005	70180	0.01000	0.00316	
10 Aldrin	6.005	6.000	0.005	85252	0.01000	0.0101	
13 Heptachlor Epoxide	6.775	6.770	0.005	76353	0.01000	0.00564	
15 gamma-Chlordane	7.156	7.150	0.006	73574	0.01000	0.0103	
17 alpha-Chlordane	7.256	7.252	0.004	68138	0.01000	0.0102	
19 4,4'-DDE	7.530	7.525	0.005	69460	0.01000	0.00986	
20 Endosulfan I	7.351	7.347	0.004	64436	0.01000	0.0101	
21 Dieldrin	7.758	7.754	0.004	71419	0.01000	0.0101	
23 Endrin	8.188	8.182	0.006	58053	0.01000	0.0173	
24 4,4'-DDD	8.383	8.379	0.004	48628	0.01000	0.00978	
26 Endosulfan II	8.631	8.625	0.006	54872	0.01000	0.0101	
27 4,4'-DDT	8.771	8.765	0.006	46248	0.01000	0.0101	
28 Endrin Aldehyde	8.908	8.902	0.006	38765	0.01000	0.0101	
29 Methoxychlor	9.650	9.642	0.008	20876	0.01000	0.0102	
32 Endosulfan sulfate	9.245	9.240	0.005	32524	0.01000	0.0102	
33 Endrin Ketone	10.031	10.025	0.006	40674	0.01000	0.0102	
$ 34 Decachlorobiphenyl	12.046	12.037	0.009	34927	0.01000	0.0101	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00214.D
Date : 13-MAY-2011 17:24
Client ID:
Sample Info: INDAB 0.01
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00214.D
Report Date: 17-May-2011 10:51

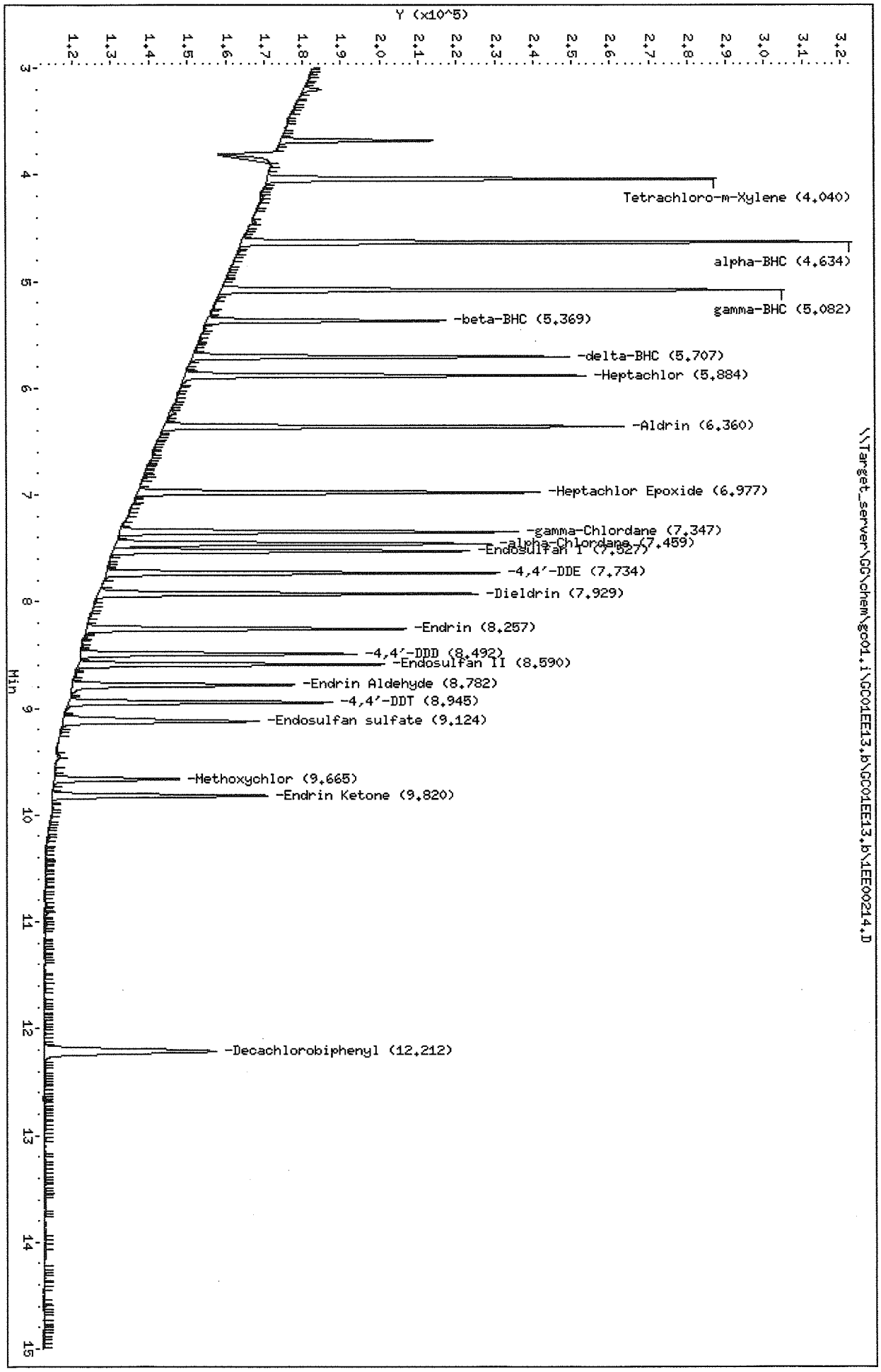
Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00214.D
Lab Smp Id: INDAB 0.01
Inj Date : 13-MAY-2011 17:24
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.01
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:29 Cal File: 1EE00228.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.040	4.037	0.003	116834	0.01000	0.0100	
5 alpha-BHC	4.633	4.630	0.003	158915	0.01000	0.00981	
6 gamma-BHC	5.081	5.079	0.002	146571	0.01000	0.00972(a)	
7 beta-BHC	5.368	5.365	0.003	62126	0.01000	0.0101	
8 delta-BHC	5.706	5.704	0.002	98110	0.01000	0.0111	
9 Heptachlor	5.883	5.880	0.003	104523	0.01000	0.0102	
10 Aldrin	6.360	6.357	0.003	119892	0.01000	0.0101	
13 Heptachlor Epoxide	6.976	6.974	0.002	104777	0.01000	0.0101	
15 gamma-Chlordane	7.346	7.342	0.004	103450	0.01000	0.0108	
17 alpha-Chlordane	7.458	7.454	0.004	97330	0.01000	0.0103	
19 4,4'-DDE	7.733	7.730	0.003	102352	0.01000	0.0103	
20 Endosulfan I	7.526	7.524	0.002	92817	0.01000	0.0102	
21 Dieldrin	7.928	7.924	0.004	98776	0.01000	0.0104	
23 Endrin	8.256	8.252	0.004	82979	0.01000	0.0103	
24 4,4'-DDD	8.491	8.487	0.004	71798	0.01000	0.0104	
26 Endosulfan II	8.590	8.585	0.005	79444	0.01000	0.0110	
27 4,4'-DDT	8.945	8.940	0.005	68450	0.01000	0.0105	
28 Endrin Aldehyde	8.781	8.777	0.004	57643	0.01000	0.0111	
29 Methoxychlor	9.665	9.659	0.006	32594	0.01000	0.0106	
32 Endosulfan sulfate	9.123	9.119	0.004	50891	0.01000	0.0116	
33 Endrin Ketone	9.820	9.815	0.005	56061	0.01000	0.0118	
$ 34 Decachlorobiphenyl	12.211	12.205	0.006	44631	0.01000	0.0106	


Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00214.D
Date : 13-MAY-2011 17:24
Client ID:
Sample Info: INDAB 0.01
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: CB
Column diameter: 0.53
\\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00214.D
Y (x10^5)
Min
Tetrachloro-m-Xylene (4.040)
alpha-BHC (4.634)
gamma-BHC (5.082)
-beta-BHC (5.369)
-delta-BHC (5.707)
-Heptachlor (5.884)
-Aldrin (6.360)
-Heptachlor Epoxide (6.977)
-gamma-Chlordane (7.347)
-alpha-Chlordane (7.459)
-Endosulfan I (7.527)
-4,4'-DDE (7.734)
-Dieldrin (7.929)
-Endrin (8.257)
-4,4'-DDD (8.492)
-Endosulfan II (8.590)
-Endrin Aldehyde (8.782)
-4,4'-DDT (8.945)
-Endosulfan sulfate (9.124)
-Methoxychlor (9.665)
-Endrin Ketone (9.820)
-Decachlorobiphenyl (12.212)

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00215.D
Report Date: 17-May-2011 10:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00215.D
Lab Smp Id: INDAB 0.025
Inj Date : 13-MAY-2011 17:42
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.025
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

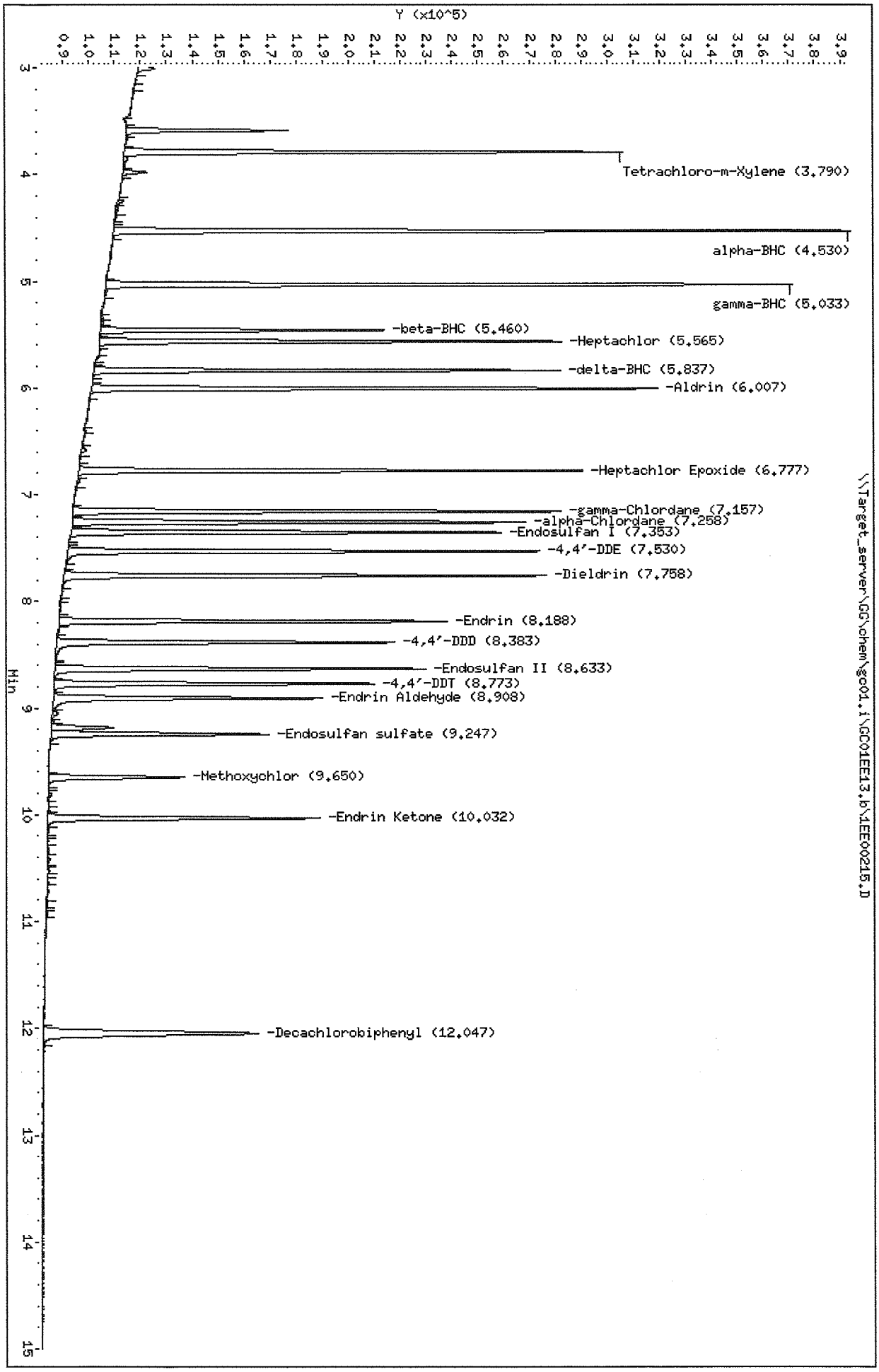
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.789	3.787	0.002	191825	0.02500	0.0250	
5 alpha-BHC	4.529	4.524	0.005	284364	0.02500	0.0246	
6 gamma-BHC	5.033	5.027	0.006	264798	0.02500	0.0248(a)	
7 beta-BHC	5.459	5.455	0.004	109597	0.02500	0.0253	
8 delta-BHC	5.836	5.832	0.004	179982	0.02500	0.0248	
9 Heptachlor	5.564	5.560	0.004	178054	0.02500	0.0254	
10 Aldrin	6.006	6.000	0.006	218184	0.02500	0.0249	
13 Heptachlor Epoxide	6.776	6.770	0.006	194327	0.02500	0.0248	
15 gamma-Chlordane	7.156	7.150	0.006	188144	0.02500	0.0250	
17 alpha-Chlordane	7.258	7.252	0.006	174726	0.02500	0.0248	
19 4,4'-DDE	7.529	7.525	0.004	181984	0.02500	0.0244	
20 Endosulfan I	7.353	7.347	0.006	165998	0.02500	0.0247	
21 Dieldrin	7.758	7.754	0.004	185536	0.02500	0.0253	
23 Endrin	8.188	8.182	0.006	149404	0.02500	0.0249	
24 4,4'-DDD	8.383	8.379	0.004	130063	0.02500	0.0247	
26 Endosulfan II	8.633	8.625	0.008	142423	0.02500	0.0248	
27 4,4'-DDT	8.773	8.765	0.008	123294	0.02500	0.0252	
28 Endrin Aldehyde	8.908	8.902	0.006	103475	0.02500	0.0256	
29 Methoxychlor	9.649	9.642	0.007	52498	0.02500	0.0249	
32 Endosulfan sulfate	9.246	9.240	0.006	84054	0.02500	0.0239	
33 Endrin Ketone	10.031	10.025	0.006	104533	0.02500	0.0242	
$ 34 Decachlorobiphenyl	12.046	12.037	0.009	82913	0.02500	0.0258	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00215.D
Date : 13-MAY-2011 17:42
Client ID:
Sample Info: INDAB 0.025
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00215.D
Report Date: 17-May-2011 10:51

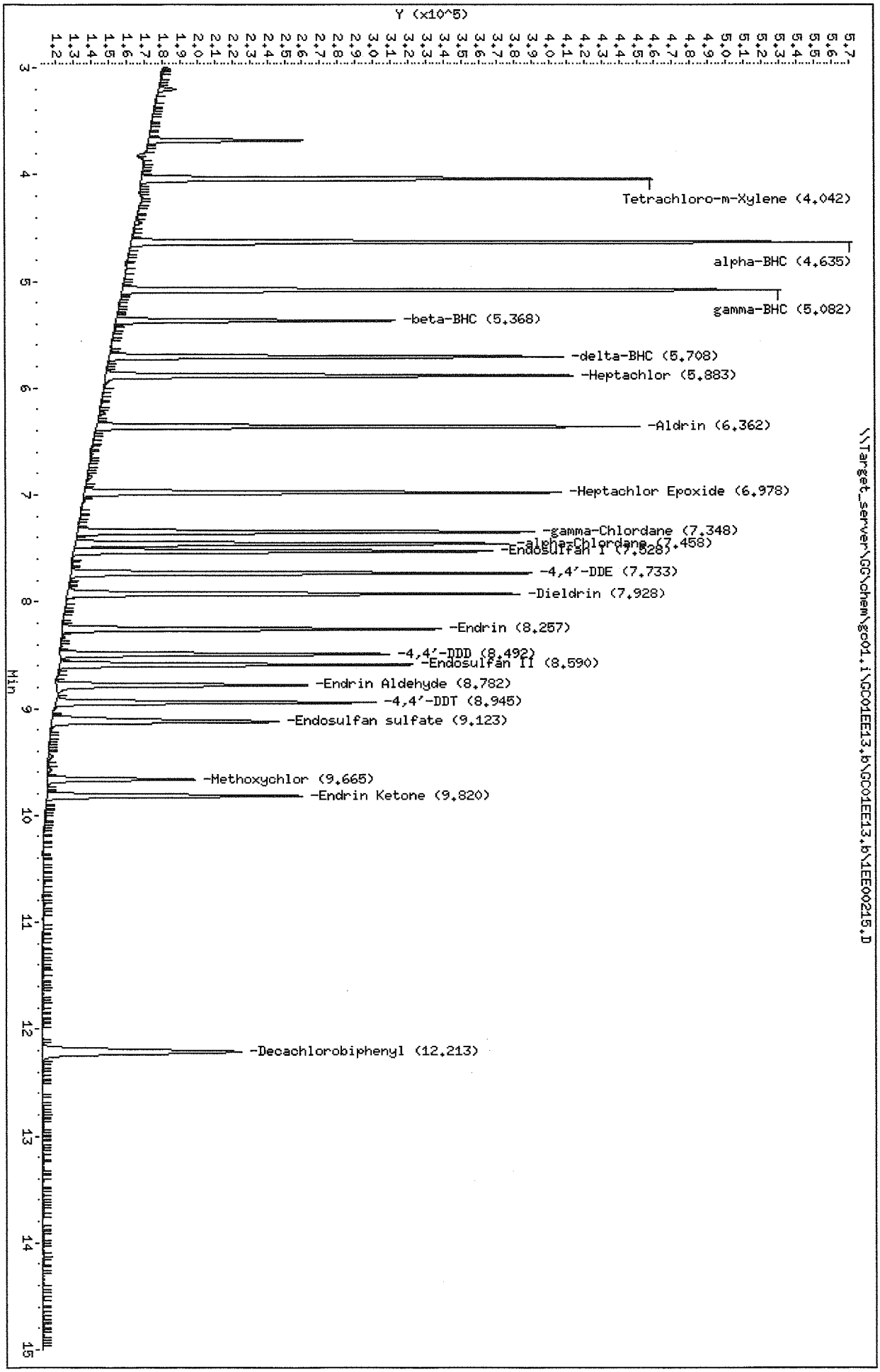
Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00215.D
Lab Smp Id: INDAB 0.025
Inj Date : 13-MAY-2011 17:42
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.025
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.041	4.037	0.004	290750	0.02500	0.0255	
5 alpha-BHC	4.634	4.630	0.004	408918	0.02500	0.0253	
6 gamma-BHC	5.081	5.079	0.002	372876	0.02500	0.0251(a)	
7 beta-BHC	5.368	5.365	0.003	158313	0.02500	0.0256	
8 delta-BHC	5.708	5.704	0.004	258004	0.02500	0.0251	
9 Heptachlor	5.883	5.880	0.003	264912	0.02500	0.0252	
10 Aldrin	6.361	6.357	0.004	308305	0.02500	0.0254	
13 Heptachlor Epoxide	6.978	6.974	0.004	270608	0.02500	0.0252	
15 gamma-Chlordane	7.348	7.342	0.006	259210	0.02500	0.0253	
17 alpha-Chlordane	7.458	7.454	0.004	245448	0.02500	0.0252	
19 4,4'-DDE	7.733	7.730	0.003	261390	0.02500	0.0251	
20 Endosulfan I	7.528	7.524	0.004	237567	0.02500	0.0252	
21 Dieldrin	7.928	7.924	0.004	256048	0.02500	0.0252	
23 Endrin	8.256	8.252	0.004	214595	0.02500	0.0250	
24 4,4'-DDD	8.491	8.487	0.004	186527	0.02500	0.0247	
26 Endosulfan II	8.589	8.585	0.004	199905	0.02500	0.0253	
27 4,4'-DDT	8.944	8.940	0.004	181269	0.02500	0.0250	
28 Endrin Aldehyde	8.781	8.777	0.004	142310	0.02500	0.0249	
29 Methoxychlor	9.664	9.659	0.005	82916	0.02500	0.0255	
32 Endosulfan sulfate	9.123	9.119	0.004	129100	0.02500	0.0245	
33 Endrin Ketone	9.819	9.815	0.004	144727	0.02500	0.0252	
$ 34 Decachlorobiphenyl	12.213	12.205	0.008	112604	0.02500	0.0261	


Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00215.D
Date : 13-MAY-2011 17:42
Client ID:
Sample Info: INDAB 0.025
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: CB
Column diameter: 0.53
\\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00215.D
Y (x10^5)
Min
Tetrachloro-m-Xylene (4.042)
alpha-BHC (4.635)
gamma-BHC (5.082)
-beta-BHC (5.368)
-delta-BHC (5.708)
-Heptachlor (5.883)
-Aldrin (6.362)
-Heptachlor Epoxide (6.978)
-gamma-Chlordane (7.348)
-alpha-Chlordane (7.458)
-Endosulfan I (7.528)
-4,4'-DDE (7.733)
-Dieldrin (7.928)
-Endrin (8.257)
-4,4'-DDD (8.492)
-Endosulfan II (8.590)
-Endrin Aldehyde (8.782)
-4,4'-DDT (8.945)
-Endosulfan sulfate (9.123)
-Methoxychlor (9.665)
-Endrin Ketone (9.820)
-Decachlorobiphenyl (12.213)

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00216.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00216.D
Lab Smp Id: INDAB 0.1
Inj Date : 13-MAY-2011 17:59
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

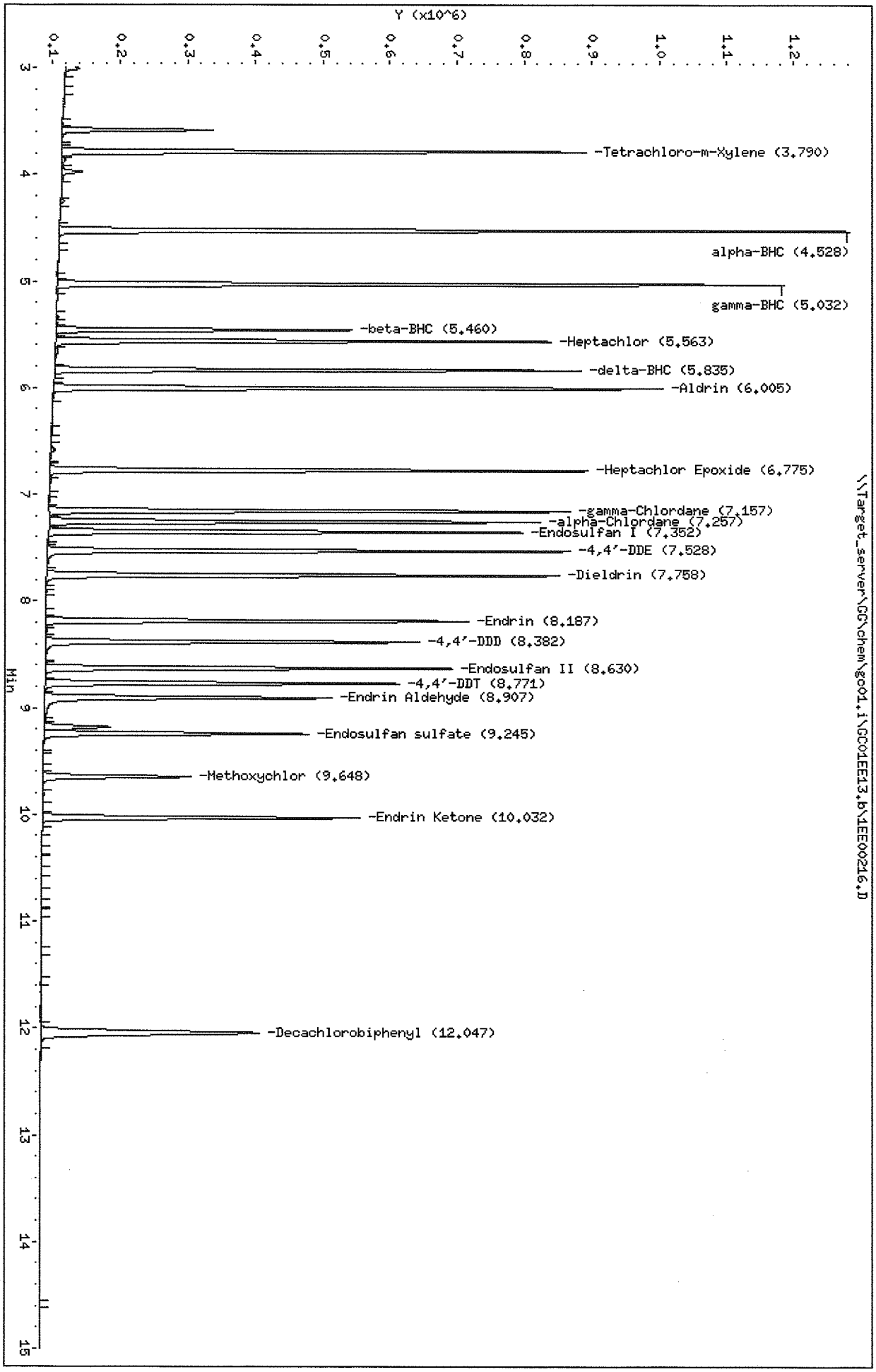
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.789	3.787	0.002	777428	0.10000	0.105	
5 alpha-BHC	4.528	4.524	0.004	1174232	0.10000	0.0999	
6 gamma-BHC	5.031	5.027	0.004	1079158	0.10000	0.0999	
7 beta-BHC	5.459	5.455	0.004	438683	0.10000	0.1000	
8 delta-BHC	5.834	5.832	0.002	780170	0.10000	0.101	
9 Heptachlor	5.563	5.560	0.003	735050	0.10000	0.105	
10 Aldrin	6.004	6.000	0.004	903162	0.10000	0.100	
13 Heptachlor Epoxide	6.774	6.770	0.004	797658	0.10000	0.106	
15 gamma-Chlordane	7.156	7.150	0.006	773606	0.10000	0.101	
17 alpha-Chlordane	7.256	7.252	0.004	728051	0.10000	0.101	
19 4,4'-DDE	7.528	7.525	0.003	775067	0.10000	0.101	
20 Endosulfan I	7.351	7.347	0.004	703511	0.10000	0.100	
21 Dieldrin	7.758	7.754	0.004	759828	0.10000	0.101	
23 Endrin	8.186	8.182	0.004	628588	0.10000	0.104	
24 4,4'-DDD	8.381	8.379	0.002	555105	0.10000	0.101	
26 Endosulfan II	8.629	8.625	0.004	603436	0.10000	0.101	
27 4,4'-DDT	8.771	8.765	0.006	524877	0.10000	0.101	
28 Endrin Aldehyde	8.906	8.902	0.004	425768	0.10000	0.101	
29 Methoxychlor	9.648	9.642	0.006	221035	0.10000	0.101	
32 Endosulfan sulfate	9.244	9.240	0.004	391664	0.10000	0.102	
33 Endrin Ketone	10.031	10.025	0.006	470379	0.10000	0.102	
$ 34 Decachlorobiphenyl	12.046	12.037	0.009	324237	0.10000	0.100	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00216.D
Date : 13-MAY-2011 17:59
Client ID:
Sample Info: INDAB 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00216.D
Report Date: 17-May-2011 10:19

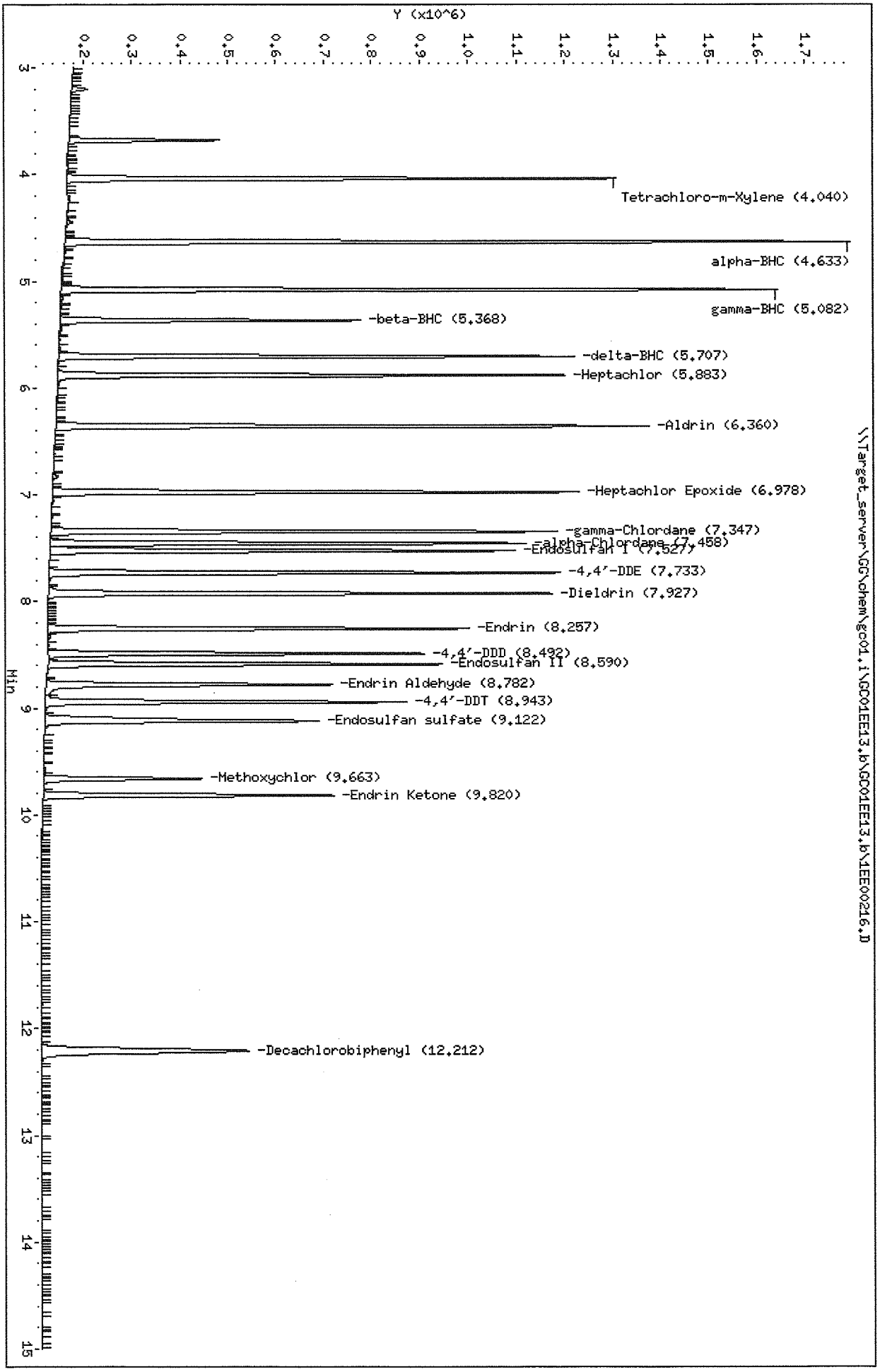
Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00216.D
Lab Smp Id: INDAB 0.1
Inj Date : 13-MAY-2011 17:59
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.039	4.037	0.002	1138897	0.10000	0.100	
5 alpha-BHC	4.633	4.630	0.003	1629333	0.10000	0.100	
6 gamma-BHC	5.081	5.079	0.002	1488624	0.10000	0.106	
7 beta-BHC	5.368	5.365	0.003	621687	0.10000	0.104	
8 delta-BHC	5.706	5.704	0.002	1070802	0.10000	0.1000	
9 Heptachlor	5.883	5.880	0.003	1053831	0.10000	0.0997	
10 Aldrin	6.359	6.357	0.002	1232727	0.10000	0.106	
13 Heptachlor Epoxide	6.978	6.974	0.004	1090814	0.10000	0.105	
15 gamma-Chlordane	7.346	7.342	0.004	1052152	0.10000	0.100	
17 alpha-Chlordane	7.458	7.454	0.004	986748	0.10000	0.100	
19 4,4'-DDE	7.733	7.730	0.003	1059148	0.10000	0.100	
20 Endosulfan I	7.526	7.524	0.002	964998	0.10000	0.100	
21 Dieldrin	7.926	7.924	0.002	1044012	0.10000	0.101	
23 Endrin	8.256	8.252	0.004	875703	0.10000	0.104	
24 4,4'-DDD	8.491	8.487	0.004	782254	0.10000	0.101	
26 Endosulfan II	8.589	8.585	0.004	816926	0.10000	0.101	
27 4,4'-DDT	8.943	8.940	0.003	750036	0.10000	0.100	
28 Endrin Aldehyde	8.781	8.777	0.004	594495	0.10000	0.101	
29 Methoxychlor	9.663	9.659	0.004	328749	0.10000	0.0998	
32 Endosulfan sulfate	9.121	9.119	0.002	567167	0.10000	0.101	
33 Endrin Ketone	9.819	9.815	0.004	603747	0.10000	0.100	
$ 34 Decachlorobipheny1	12.211	12.205	0.006	428951	0.10000	0.107	


Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00216.D
Date : 13-MAY-2011 17:59
Client ID:
Sample Info: INDAB 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: CB
Column diameter: 0.53
Y (x10^6)
Min
Tetrachloro-m-Xylene (4.040)
alpha-BHC (4.633)
gamma-BHC (5.082)
-beta-BHC (5.368)
-delta-BHC (5.707)
-Heptachlor (5.883)
-Aldrin (6.360)
-Heptachlor Epoxide (6.978)
-gamma-Chlordane (7.347)
-alpha-Chlordane (7.458)
-Endosulfan I (7.527)
-4,4'-DDE (7.733)
-Dieldrin (7.927)
-Endrin (8.257)
-4,4'-DDD (8.492)
-Endosulfan II (8.590)
-Endrin Aldehyde (8.782)
-4,4'-DDT (8.943)
-Endosulfan sulfate (9.122)
-Methoxychlor (9.663)
-Endrin Ketone (9.820)
-Decachlorobiphenyl (12.212)
\\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00216.D

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00217.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00217.D
Lab Smp Id: INDAB 0.25
Inj Date : 13-MAY-2011 18:17
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

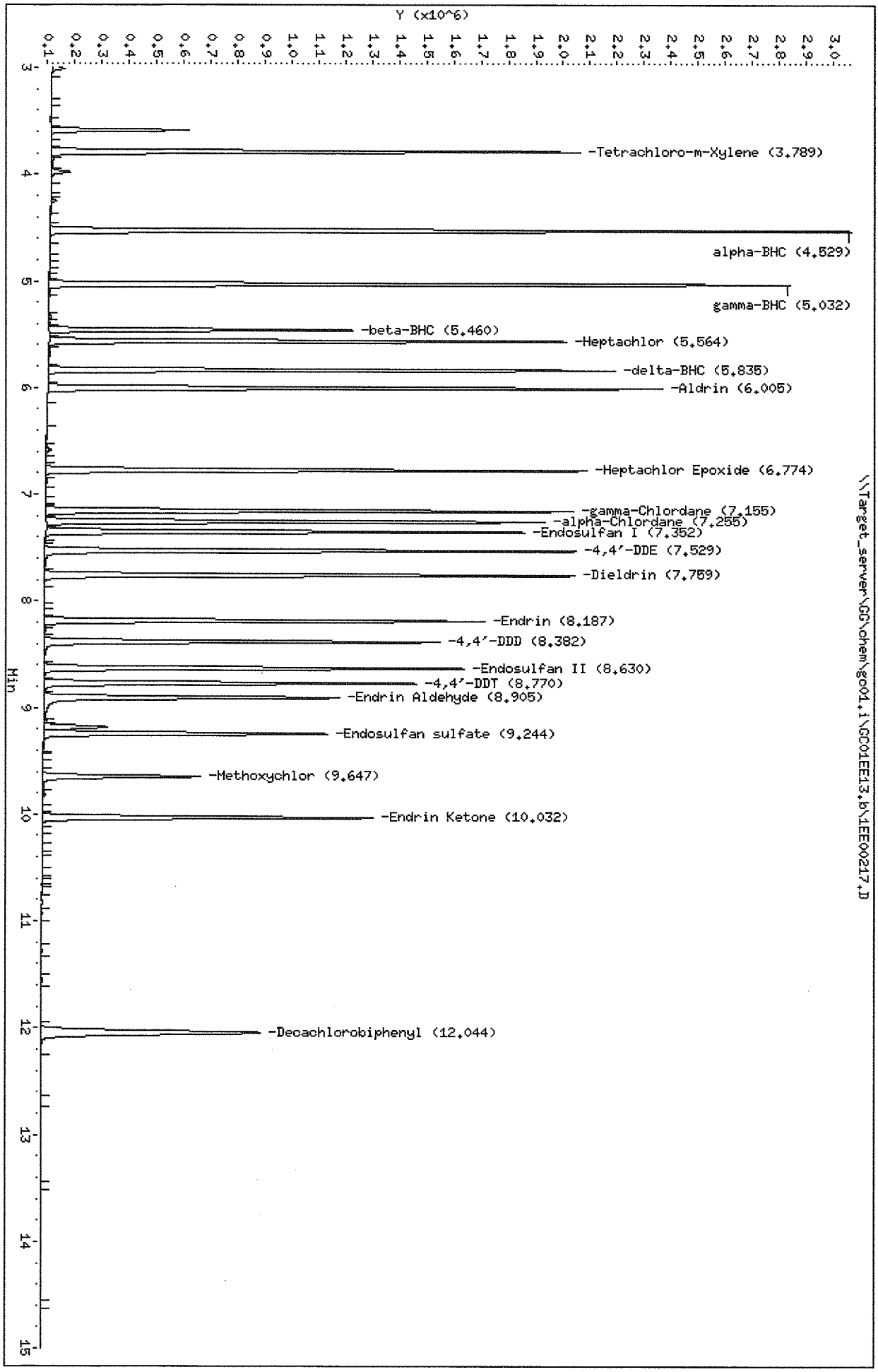
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.788	3.787	0.001	1947154	0.25000	0.250	
5 alpha-BHC	4.528	4.524	0.004	2951847	0.25000	0.250	
6 gamma-BHC	5.031	5.027	0.004	2728969	0.25000	0.250(A)	
7 beta-BHC	5.460	5.455	0.005	1121112	0.25000	0.250	
8 delta-BHC	5.835	5.832	0.003	2088402	0.25000	0.250	
9 Heptachlor	5.563	5.560	0.003	1905978	0.25000	0.250	
10 Aldrin	6.005	6.000	0.005	2264073	0.25000	0.250	
13 Heptachlor Epoxide	6.773	6.770	0.003	1992746	0.25000	0.250	
15 gamma-Chlordane	7.155	7.150	0.005	1942164	0.25000	0.250	
17 alpha-Chlordane	7.255	7.252	0.003	1831563	0.25000	0.250	
19 4,4'-DDE	7.528	7.525	0.003	1953106	0.25000	0.250	
20 Endosulfan I	7.351	7.347	0.004	1759044	0.25000	0.250	
21 Dieldrin	7.758	7.754	0.004	1948984	0.25000	0.250	
23 Endrin	8.186	8.182	0.004	1621366	0.25000	0.250	
24 4,4'-DDD	8.381	8.379	0.002	1455547	0.25000	0.250	
26 Endosulfan II	8.630	8.625	0.005	1547245	0.25000	0.250	
27 4,4'-DDT	8.770	8.765	0.005	1369668	0.25000	0.250	
28 Endrin Aldehyde	8.905	8.902	0.003	1084971	0.25000	0.250	
29 Methoxychlor	9.646	9.642	0.004	580747	0.25000	0.250	
32 Endosulfan sulfate	9.243	9.240	0.003	1041550	0.25000	0.250	
33 Endrin Ketone	10.031	10.025	0.006	1214221	0.25000	0.250	
$ 34 Decachlorobiphenyl	12.043	12.037	0.006	804977	0.25000	0.250	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00217.D
Date : 13-MAY-2011 18:17
Client ID:
Sample Info: INDAB 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00217.D
Report Date: 17-May-2011 10:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00217.D
Lab Smp Id: INDAB 0.25
Inj Date : 13-MAY-2011 18:17
Operator : CB Inst ID: gc01.i
Smp Info : INDAB 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICAL.sub
Target Version: 4.12
Processing Host: V200T5

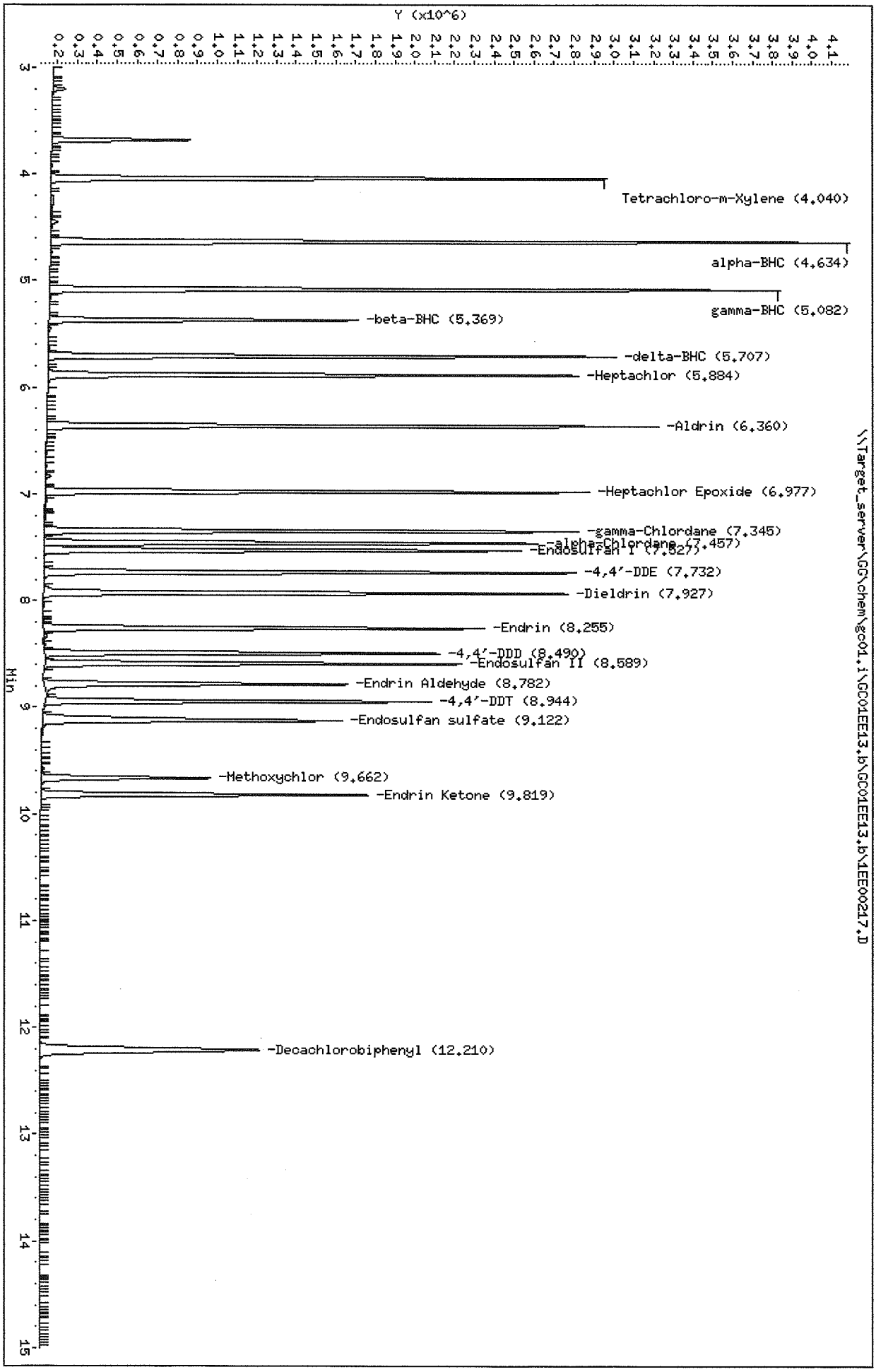
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.040	4.037	0.003	2800321	0.25000	0.250	
5 alpha-BHC	4.633	4.630	0.003	4023887	0.25000	0.250	
6 gamma-BHC	5.081	5.079	0.002	3680416	0.25000	0.250	
7 beta-BHC	5.368	5.365	0.003	1557519	0.25000	0.250	
8 delta-BHC	5.706	5.704	0.002	2859369	0.25000	0.250	
9 Heptachlor	5.883	5.880	0.003	2670590	0.25000	0.250	
10 Aldrin	6.360	6.357	0.003	3081330	0.25000	0.250	
13 Heptachlor Epoxide	6.976	6.974	0.002	2735640	0.25000	0.250	
15 gamma-Chlordane	7.345	7.342	0.003	2685503	0.25000	0.250	
17 alpha-Chlordane	7.456	7.454	0.002	2483363	0.25000	0.250	
19 4,4'-DDE	7.731	7.730	0.001	2676032	0.25000	0.250	
20 Endosulfan I	7.526	7.524	0.002	2403827	0.25000	0.250	
21 Dieldrin	7.926	7.924	0.002	2639926	0.25000	0.250	
23 Endrin	8.255	8.252	0.003	2219405	0.25000	0.250	
24 4,4'-DDD	8.490	8.487	0.003	1989218	0.25000	0.250	
26 Endosulfan II	8.588	8.585	0.003	2099425	0.25000	0.250	
27 4,4'-DDT	8.943	8.940	0.003	1944214	0.25000	0.250	
28 Endrin Aldehyde	8.781	8.777	0.004	1528258	0.25000	0.250	
29 Methoxychlor	9.661	9.659	0.002	849009	0.25000	0.250	
32 Endosulfan sulfate	9.121	9.119	0.002	1506856	0.25000	0.250	
33 Endrin Ketone	9.818	9.815	0.003	1646172	0.25000	0.250	
$ 34 Decachlorobiphenyl	12.210	12.205	0.005	1098940	0.25000	0.250	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00217.D
Date : 13-MAY-2011 18:17
Client ID:
Sample Info: INDAB 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00218.D
Report Date: 17-May-2011 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00218.D
Lab Smp Id: IND 0.05
Inj Date : 13-MAY-2011 18:34
Operator : CB Inst ID: gc01.i
Smp Info : IND 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12
Processing Host: V200T5

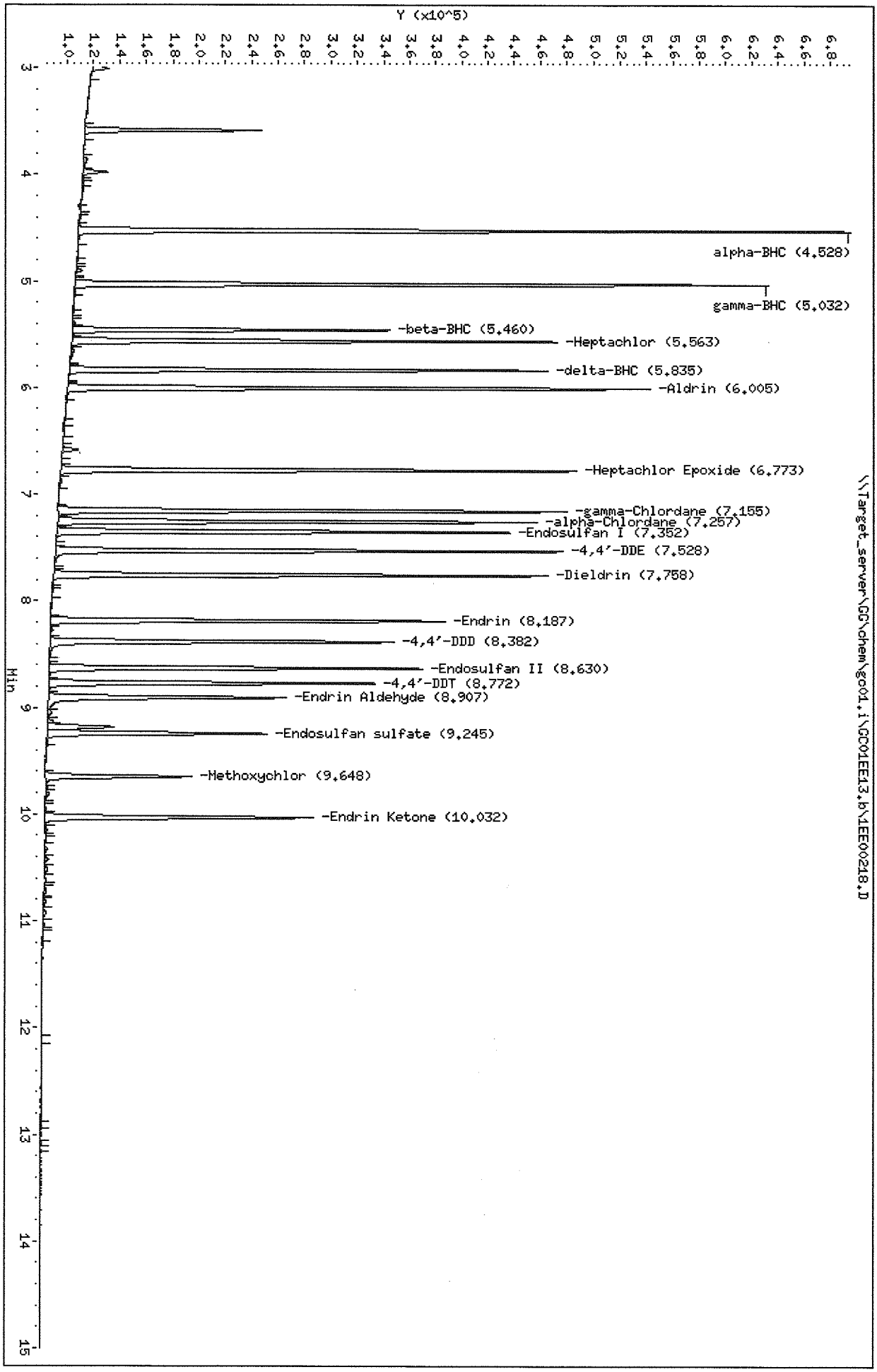
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
5 alpha-BHC	4.528	4.524	0.004	587234	0.01000	0.0411	
6 gamma-BHC	5.031	5.027	0.004	527296	0.01000	0.0404(a)	
7 beta-BHC	5.459	5.455	0.004	240748	0.01000	0.0442	
8 delta-BHC	5.834	5.832	0.002	363833	0.01000	0.0403	
9 Heptachlor	5.563	5.560	0.003	368960	0.01000	0.0422	
10 Aldrin	6.004	6.000	0.004	442363	0.01000	0.0409	
13 Heptachlor Epoxide	6.773	6.770	0.003	391846	0.01000	0.0406	
15 gamma-Chlordane	7.154	7.150	0.004	386685	0.01000	0.0415	
17 alpha-Chlordane	7.256	7.252	0.004	363599	0.01000	0.0415	
19 4,4'-DDE	7.528	7.525	0.003	385168	0.01000	0.0414	
20 Endosulfan I	7.351	7.347	0.004	344105	0.01000	0.0411	
21 Dieldrin	7.758	7.754	0.004	375596	0.01000	0.0414	
23 Endrin	8.186	8.182	0.004	298914	0.01000	0.0404	
24 4,4'-DDD	8.381	8.379	0.002	260491	0.01000	0.0401	
26 Endosulfan II	8.629	8.625	0.004	283177	0.01000	0.0400	
27 4,4'-DDT	8.771	8.765	0.006	247383	0.01000	0.0406	
28 Endrin Aldehyde	8.906	8.902	0.004	180625	0.01000	0.0371	
29 Methoxychlor	9.648	9.642	0.006	111285	0.01000	0.0422	
32 Endosulfan sulfate	9.244	9.240	0.004	166295	0.01000	0.0380	
33 Endrin Ketone	10.031	10.025	0.006	202698	0.01000	0.0381	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00218.D
Date : 13-MAY-2011 18:34
Client ID:
Sample Info: IND 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00218.D
Report Date: 17-May-2011 10:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00218.D
Lab Smp Id: IND 0.05
Inj Date : 13-MAY-2011 18:34
Operator : CB Inst ID: gc01.i
Smp Info : IND 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 17-May-2011 10:17 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12
Processing Host: V200T5

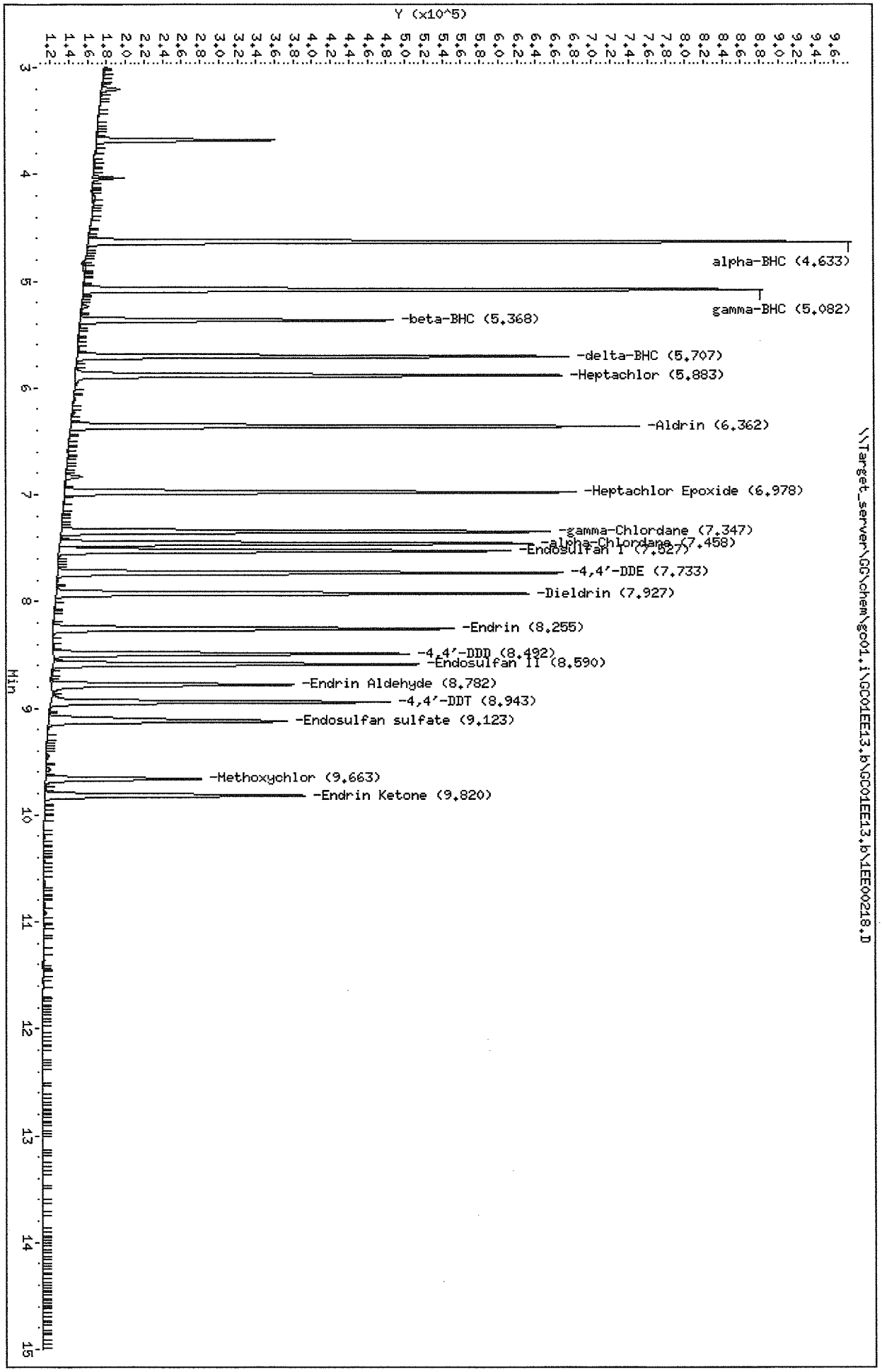
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
5 alpha-BHC	4.633	4.630	0.003	817720	0.01000	0.0412	
6 gamma-BHC	5.081	5.079	0.002	728028	0.01000	0.0402(a)	
7 beta-BHC	5.368	5.365	0.003	335917	0.01000	0.0435	
8 delta-BHC	5.706	5.704	0.002	526080	0.01000	0.0414	
9 Heptachlor	5.883	5.880	0.003	521307	0.01000	0.0407	
10 Aldrin	6.361	6.357	0.004	609935	0.01000	0.0410	
13 Heptachlor Epoxide	6.978	6.974	0.004	548218	0.01000	0.0415	
15 gamma-Chlordane	7.346	7.342	0.004	523582	0.01000	0.0414	
17 alpha-Chlordane	7.458	7.454	0.004	506885	0.01000	0.0421	
19 4,4'-DDE	7.733	7.730	0.003	541109	0.01000	0.0420	
20 Endosulfan I	7.526	7.524	0.002	484040	0.01000	0.0415	
21 Dieldrin	7.926	7.924	0.002	506941	0.01000	0.0406	
23 Endrin	8.254	8.252	0.002	429034	0.01000	0.0408	
24 4,4'-DDD	8.491	8.487	0.004	381037	0.01000	0.0409	
26 Endosulfan II	8.589	8.585	0.004	392391	0.01000	0.0405	
27 4,4'-DDT	8.943	8.940	0.003	362836	0.01000	0.0407	
28 Endrin Aldehyde	8.781	8.777	0.004	259752	0.01000	0.0377	
29 Methoxychlor	9.663	9.659	0.004	167396	0.01000	0.0419	
32 Endosulfan sulfate	9.123	9.119	0.004	255668	0.01000	0.0393	
33 Endrin Ketone	9.819	9.815	0.004	278301	0.01000	0.0397	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00218.D
Date : 13-MAY-2011 18:34
Client ID:
Sample Info: IND 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



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Report Date: 17-May-2011 10:14

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00219.D
Lab Smp Id: TOX 1.0
Inj Date : 13-MAY-2011 18:52
Operator : CB Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

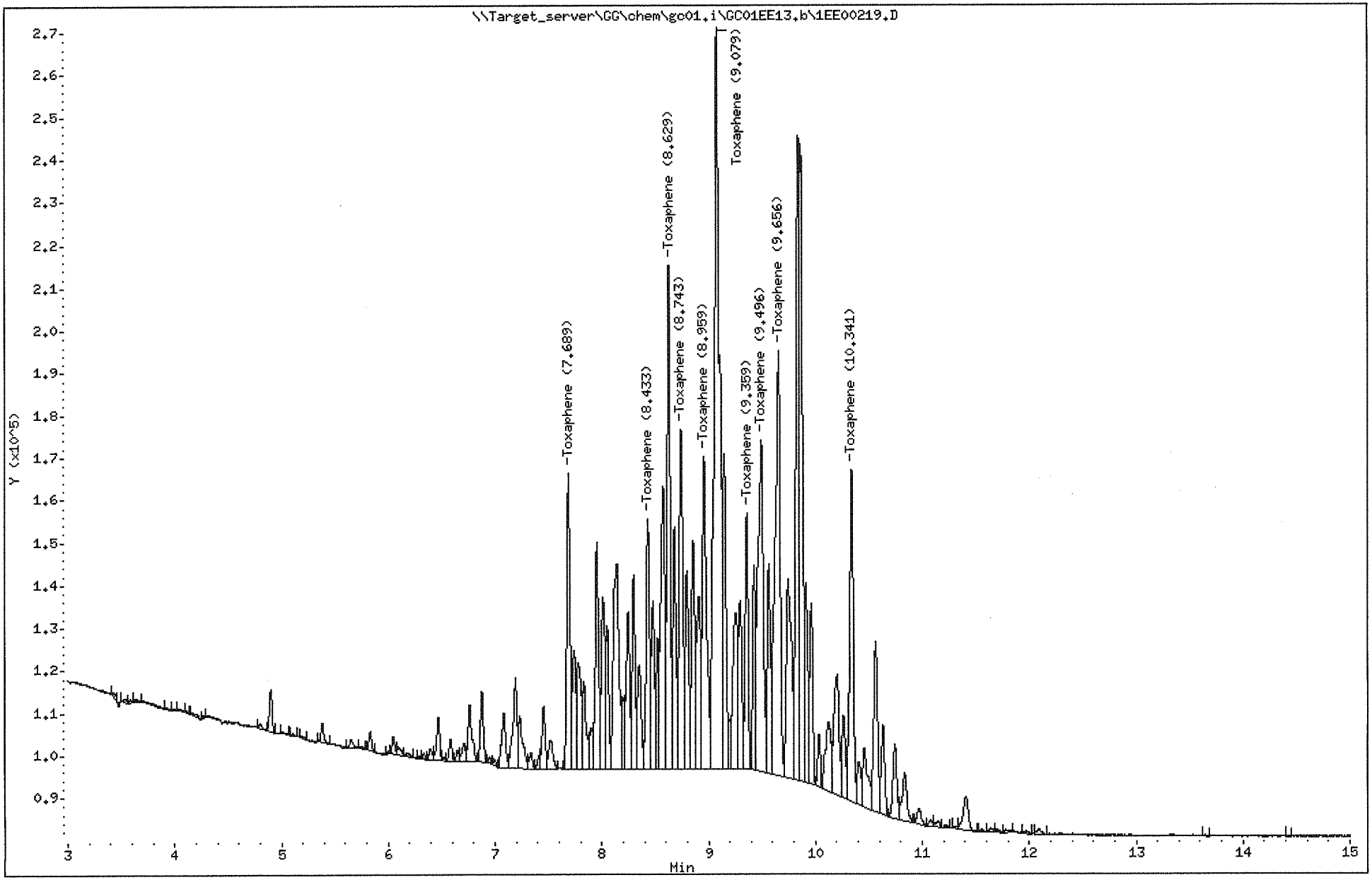
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.689	7.687	0.002	69349	1.00000	1.71	80.00- 120.00	100.00	
8.432	8.428	0.004	58393	1.00000	1.20	72.39- 108.58	84.20	
8.629	8.625	0.004	118187	1.00000	1.52	139.33- 208.99	170.42	
8.742	8.742	0.000	79656	1.00000	1.30	98.62- 147.94	114.86	
8.959	8.955	0.004	73109	1.00000	0.901	90.41- 135.62	105.42	
9.079	9.075	0.004	174181	1.00000	1.58	218.53- 327.80	251.17	
9.359	9.355	0.004	59583	1.00000	1.02	75.69- 113.54	85.92	
9.495	9.492	0.003	77636	1.00000	1.16	100.41- 150.61	111.95	
9.655	9.653	0.002	99883	1.00000	1.44	125.18- 187.77	144.03	
10.340	10.338	0.002	77841	1.00000	2.10	92.94- 139.41	112.25	

Average of Peak Amounts = 1.39310

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00219.D
Date : 13-MAY-2011 18:52
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000089

Data File: 1EE00219.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

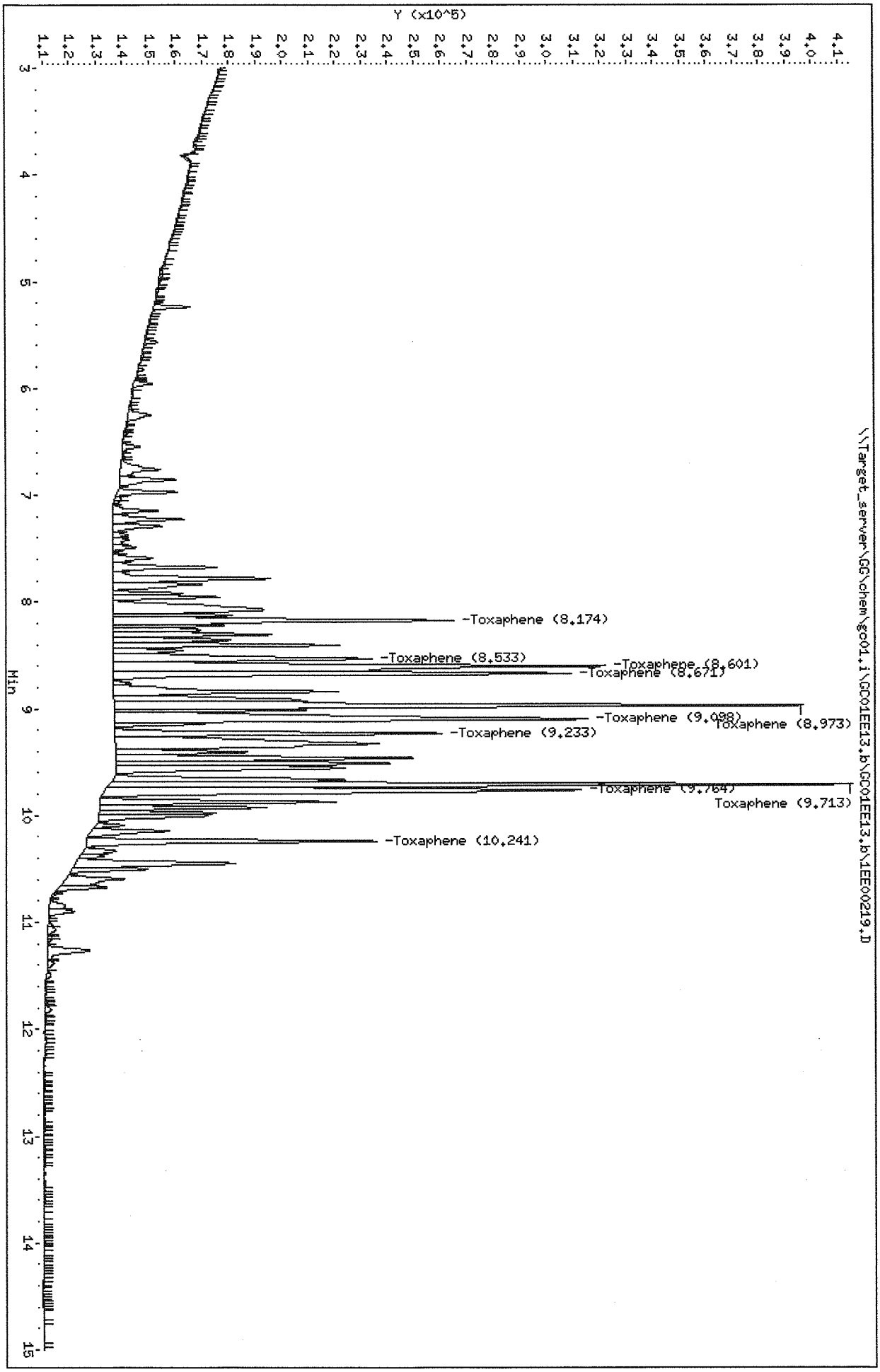
Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00219.D
Lab Smp Id: TOX 1.0
Inj Date : 13-MAY-2011 18:52
Operator : CB Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.174	8.173	0.001	128141	1.00000	1.70	80.00- 120.00	100.00	
8.532	8.530	0.002	97256	1.00000	0.551	63.11- 94.66	75.90	
8.600	8.600	0.000	184859	1.00000	0.942	118.18- 177.26	144.26	
8.670	8.668	0.002	172038	1.00000	0.953	107.79- 161.68	134.26	
8.972	8.970	0.002	259555	1.00000	1.97	163.62- 245.44	202.55	
9.097	9.095	0.002	178298	1.00000	5.50	114.50- 171.74	139.14	
9.232	9.230	0.002	123259	1.00000	0.835	82.26- 123.39	96.19	
9.712	9.710	0.002	280092	1.00000	1.21	189.91- 284.86	218.58	
9.764	9.763	0.001	179144	1.00000	1.00	117.64- 176.47	139.80	
10.240	10.238	0.002	109209	1.00000	3.23	70.53- 105.80	85.23	

Average of Peak Amounts = 1.78910


Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00219.D
Date : 13-MAY-2011 18:52
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: CB
Column diameter: 0.53
Y (x10^5)
Min
-Toxaphene (8.174)
-Toxaphene (8.533)
-Toxaphene (8.601)
-Toxaphene (8.671)
Toxaphene (8.973)
-Toxaphene (9.098)
-Toxaphene (9.233)
-Toxaphene (9.764)
Toxaphene (9.713)
-Toxaphene (10.241)
\\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00219.D

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00220.D
Report Date: 17-May-2011 10:14

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00220.D
Lab Smp Id: TOX 0.1
Inj Date : 13-MAY-2011 19:09
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

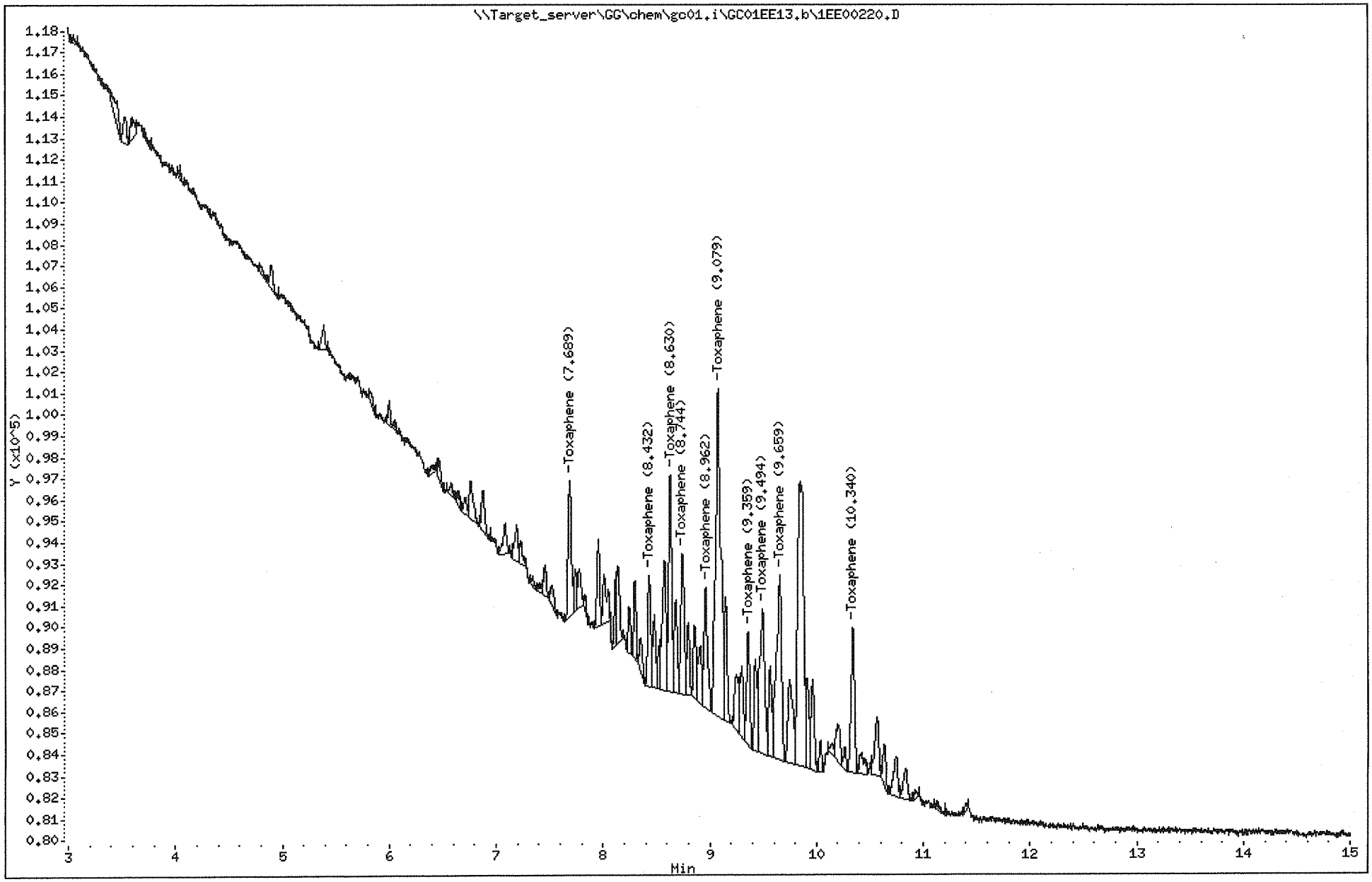
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.688	7.687	0.001	6391	0.10000	0.188	80.00- 120.00	100.00	
8.431	8.428	0.003	5288	0.10000	0.136	72.39- 108.58	82.74	
8.630	8.625	0.005	10227	0.10000	0.155	139.33- 208.99	160.02	
8.743	8.742	0.001	6581	0.10000	0.132	98.62- 147.94	102.97	
8.961	8.955	0.006	5691	0.10000	0.134	90.41- 135.62	89.05	
9.078	9.075	0.003	15489	0.10000	0.171	218.53- 327.80	242.36	
9.358	9.355	0.003	5296	0.10000	0.133	75.69- 113.54	82.87	
9.493	9.492	0.001	6798	0.10000	0.133	100.41- 150.61	106.37	
9.658	9.653	0.005	8713	0.10000	0.148	125.18- 187.77	136.33	
10.340	10.338	0.002	6798	0.10000	0.424	92.94- 139.41	106.37	
		Average of Peak Amounts =			0.17540			

Data File: \\Target_server\GG\chem\go01.i\GC01EE13.b\1EE00220.D
Date : 13-MAY-2011 19:09
Client ID:
Sample Info: TOX 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00220.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00220.D
Lab Smp Id: TOX 0.1
Inj Date : 13-MAY-2011 19:09
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

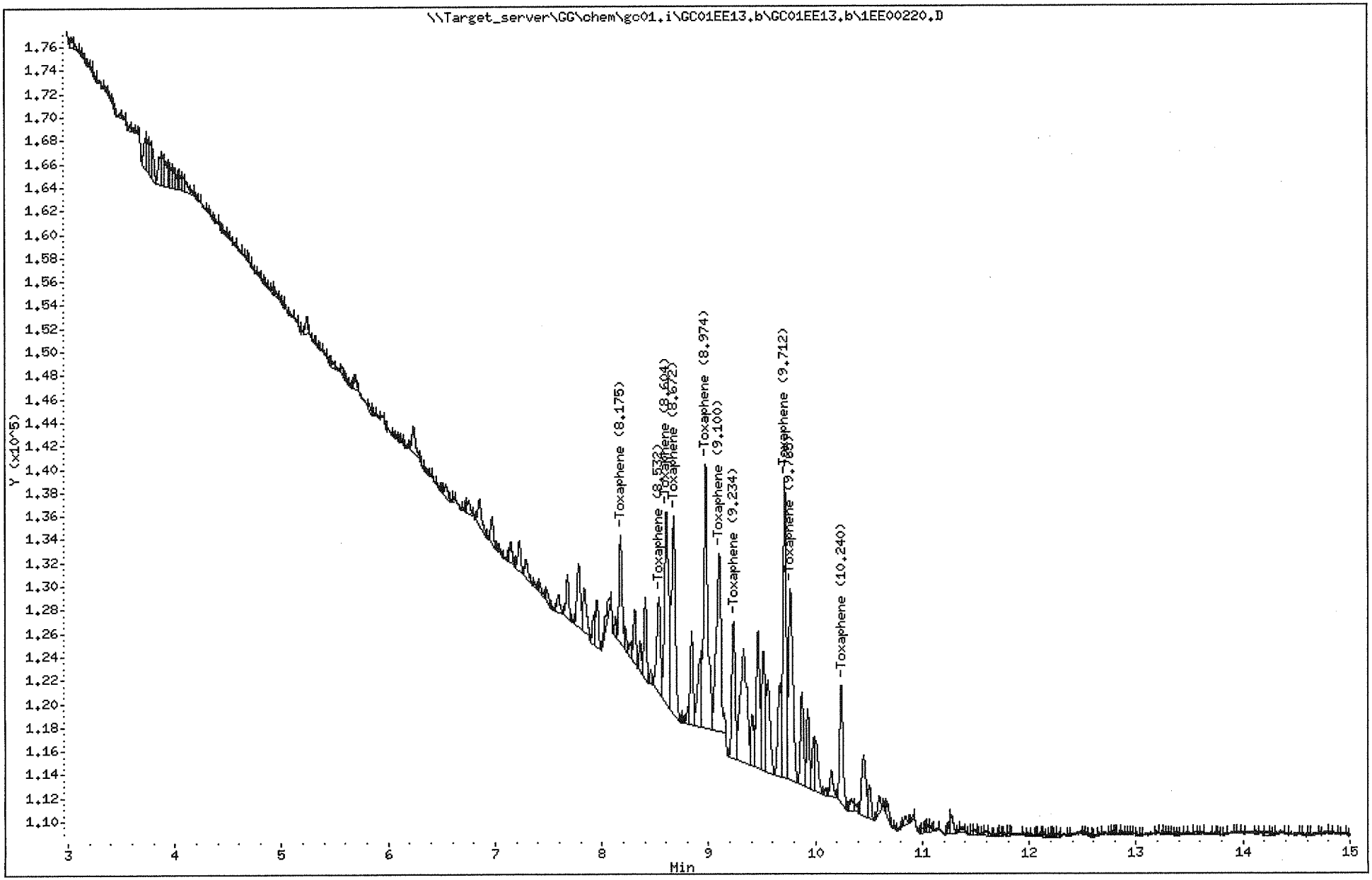
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.175	8.173	0.002	9204	0.10000	0.183	80.00- 120.00	100.00	
8.531	8.530	0.001	8102	0.10000	0.193	63.11- 94.66	88.03	
8.603	8.600	0.003	16306	0.10000	0.128	118.18- 177.26	177.16	
8.671	8.668	0.003	16781	0.10000	2.47	107.79- 161.68	182.32	
8.973	8.970	0.003	22397	0.10000	0.204	163.62- 245.44	243.34	
9.100	9.095	0.005	15044	0.10000	0.164	114.50- 171.74	163.45	
9.233	9.230	0.003	11552	0.10000	0.156	82.26- 123.39	125.51	
9.711	9.710	0.001	25173	0.10000	0.130	189.91- 284.86	273.50	
9.765	9.763	0.002	16216	0.10000	0.100	117.64- 176.47	176.18	
10.240	10.238	0.002	10024	0.10000	0.285	70.53- 105.80	108.91	

Average of Peak Amounts = 0.40130

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00220.D
Date : 13-MAY-2011 19:09
Client ID:
Sample Info: TOX 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000095

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00221.D
Report Date: 17-May-2011 10:14

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00221.D
Lab Smp Id: TOX 0.25
Inj Date : 13-MAY-2011 19:27
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

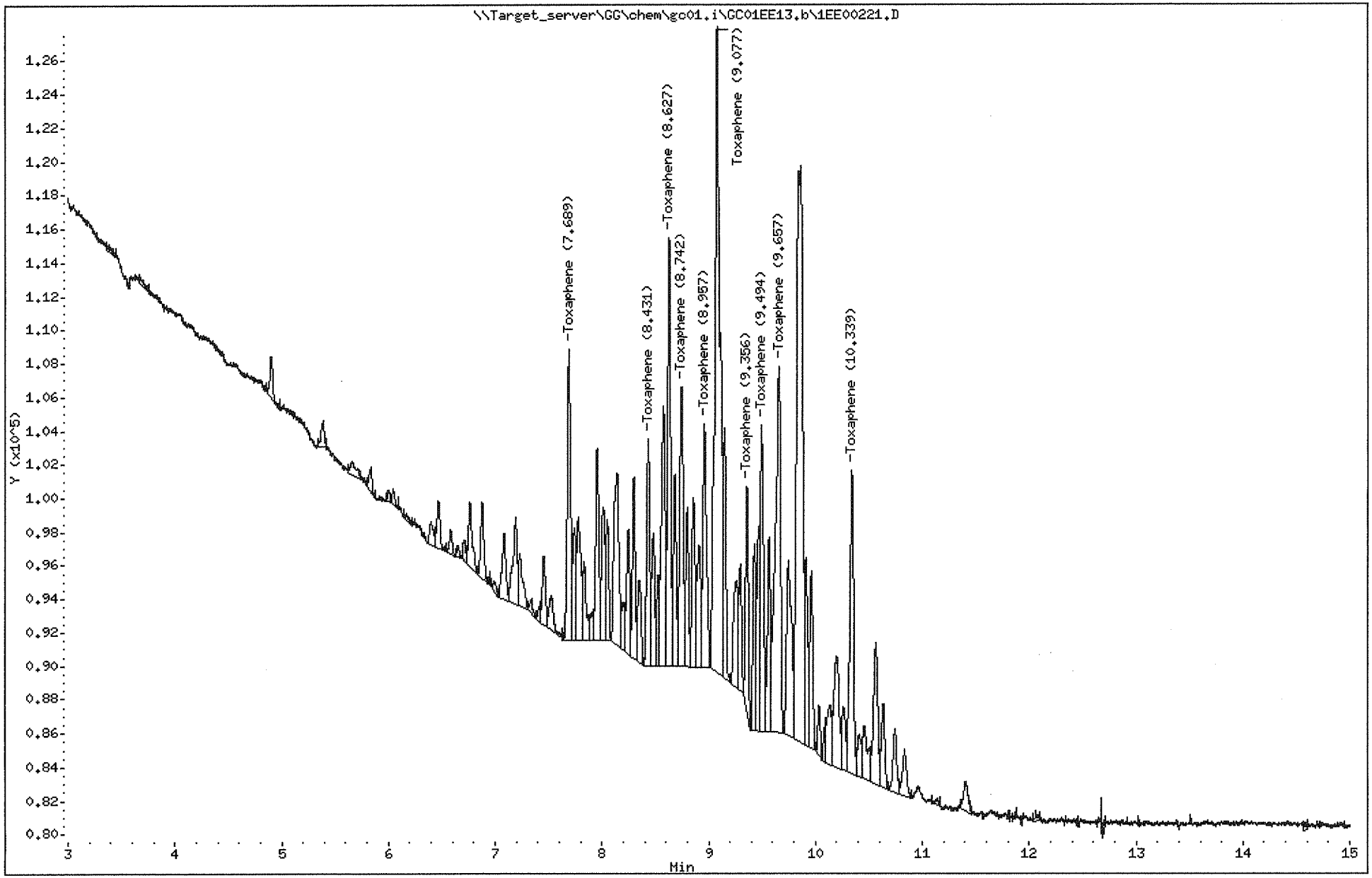
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.689	7.687	0.002	17284	0.25000	0.392	80.00- 120.00	100.00	
8.430	8.428	0.002	13482	0.25000	0.276	72.39- 108.58	78.00	
8.627	8.625	0.002	25461	0.25000	0.306	139.33- 208.99	147.31	
8.742	8.742	0.000	16632	0.25000	0.267	98.62- 147.94	96.23	
8.957	8.955	0.002	14470	0.25000	0.234	90.41- 135.62	83.72	
9.077	9.075	0.002	38379	0.25000	0.323	218.53- 327.80	222.05	
9.355	9.355	0.000	13233	0.25000	0.255	75.69- 113.54	76.56	
9.494	9.492	0.002	18184	0.25000	0.277	100.41- 150.61	105.21	
9.657	9.653	0.004	21784	0.25000	0.298	125.18- 187.77	126.04	
10.339	10.338	0.001	18054	0.25000	0.479	92.94- 139.41	104.45	

Average of Peak Amounts = 0.31070

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00221.D
Date : 13-MAY-2011 19:27
Client ID:
Sample Info: TOX 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000097

Data File: 1EE00221.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00221.D
Lab Smp Id: TOX 0.25
Inj Date : 13-MAY-2011 19:27
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

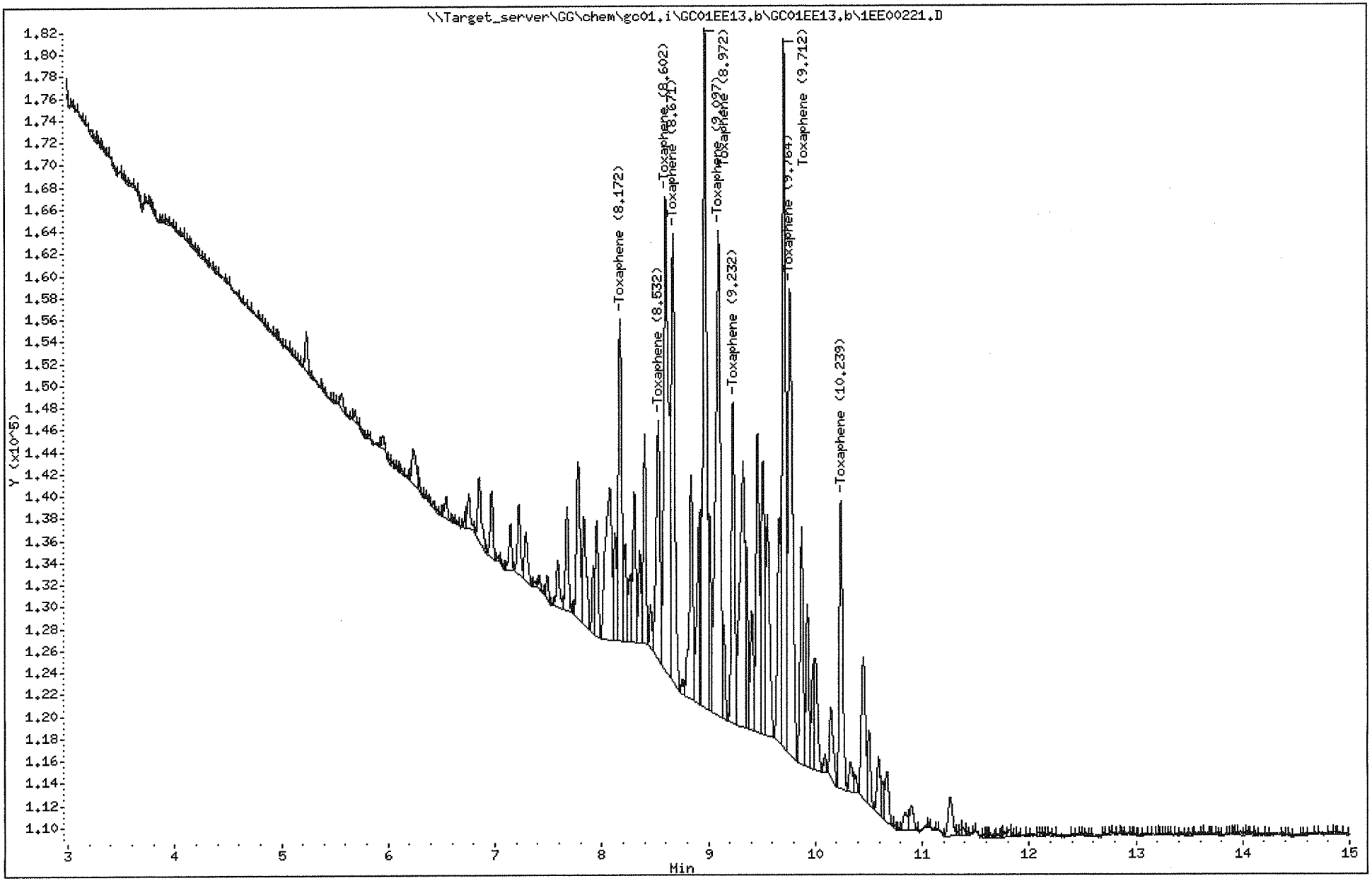
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.172	8.173	-0.001	29177	0.25000	0.122	80.00- 120.00	100.00	
8.532	8.530	0.002	21590	0.25000	0.265	63.11- 94.66	74.00	
8.602	8.600	0.002	42977	0.25000	0.251	118.18- 177.26	147.30	
8.670	8.668	0.002	40660	0.25000	3.83	107.79- 161.68	139.36	
8.972	8.970	0.002	61570	0.25000	0.219	163.62- 245.44	211.02	
9.097	9.095	0.002	43961	0.25000	0.236	114.50- 171.74	150.67	
9.232	9.230	0.002	29011	0.25000	0.259	82.26- 123.39	99.43	
9.712	9.710	0.002	64271	0.25000	0.268	189.91- 284.86	220.28	
9.764	9.763	0.001	42153	0.25000	0.251	117.64- 176.47	144.47	
10.239	10.238	0.001	25996	0.25000	0.111	70.53- 105.80	89.10	

Average of Peak Amounts = 0.58120

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00221.D
Date : 13-MAY-2011 19:27
Client ID:
Sample Info: TOX 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000099

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00222.D
Report Date: 17-May-2011 10:14

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00222.D
Lab Smp Id: TOX 0.5
Inj Date : 13-MAY-2011 19:44
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:29 Cal File: 1EE00228.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

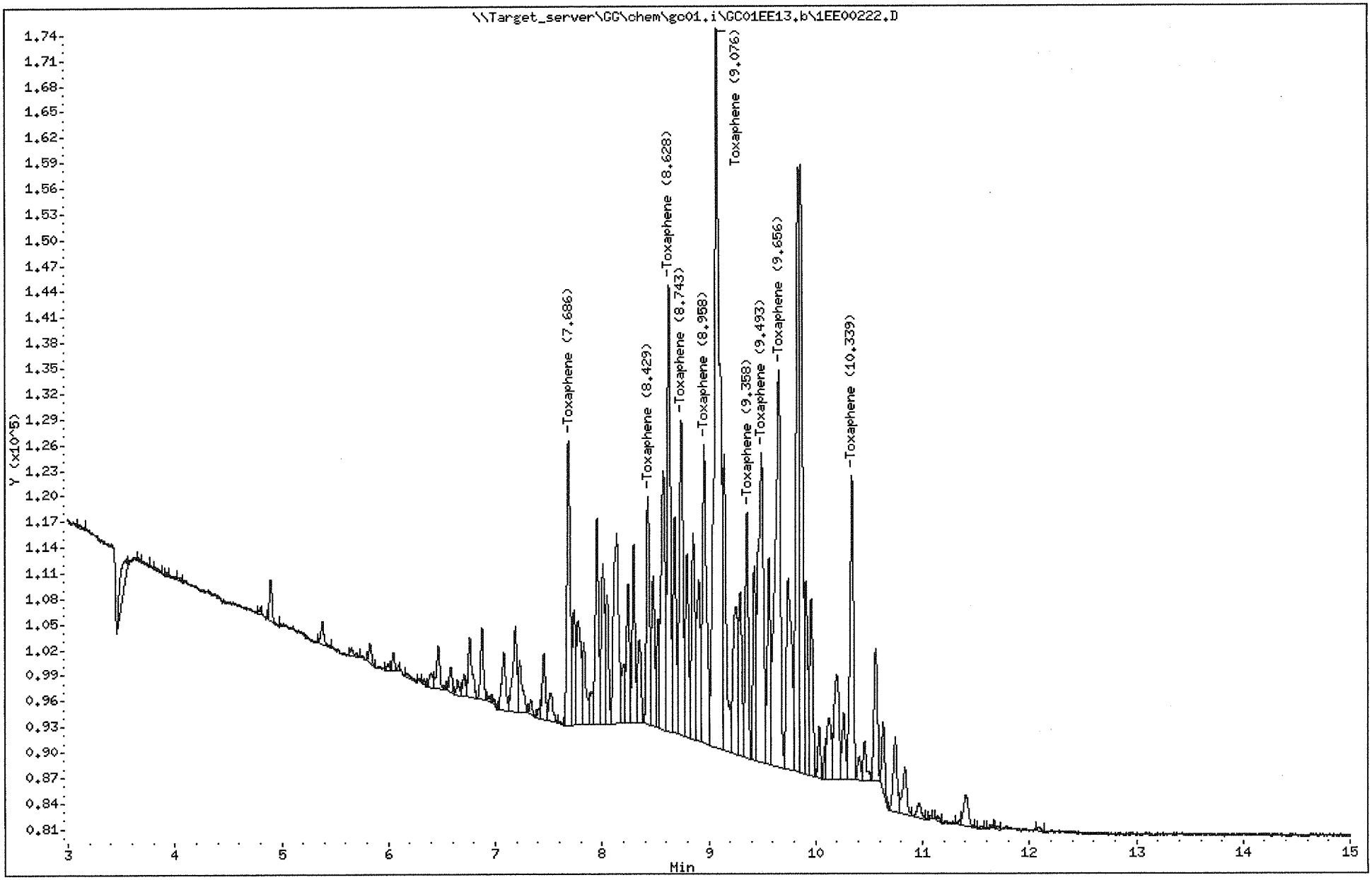
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.685	7.687	-0.002	33253	0.50000	0.700	80.00- 120.00	100.00	
8.429	8.428	0.001	26469	0.50000	0.506	72.39- 108.58	79.60	
8.627	8.625	0.002	52236	0.50000	0.589	139.33- 208.99	157.09	
8.742	8.742	0.000	36762	0.50000	0.550	98.62- 147.94	110.55	
8.957	8.955	0.002	34811	0.50000	0.466	90.41- 135.62	104.69	
9.075	9.075	0.000	84192	0.50000	0.659	218.53- 327.80	253.19	
9.357	9.355	0.002	28624	0.50000	0.490	75.69- 113.54	86.08	
9.492	9.492	0.000	36069	0.50000	0.507	100.41- 150.61	108.47	
9.655	9.653	0.002	46355	0.50000	0.594	125.18- 187.77	139.40	
10.339	10.338	0.001	35495	0.50000	0.659	92.94- 139.41	106.74	

Average of Peak Amounts = 0.57200

Data File: \\Target_server\GC\chem\go01.i\GC01EE13.b\1EE00222.D
Date : 13-MAY-2011 19:44
Client ID:
Sample Info: TOX 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000101

Data File: 1EE00222.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00222.D
Lab Smp Id: TOX 0.5
Inj Date : 13-MAY-2011 19:44
Operator : CB Inst ID: gc01.i
Smp Info : TOX 0.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:29 Cal File: 1EE00228.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

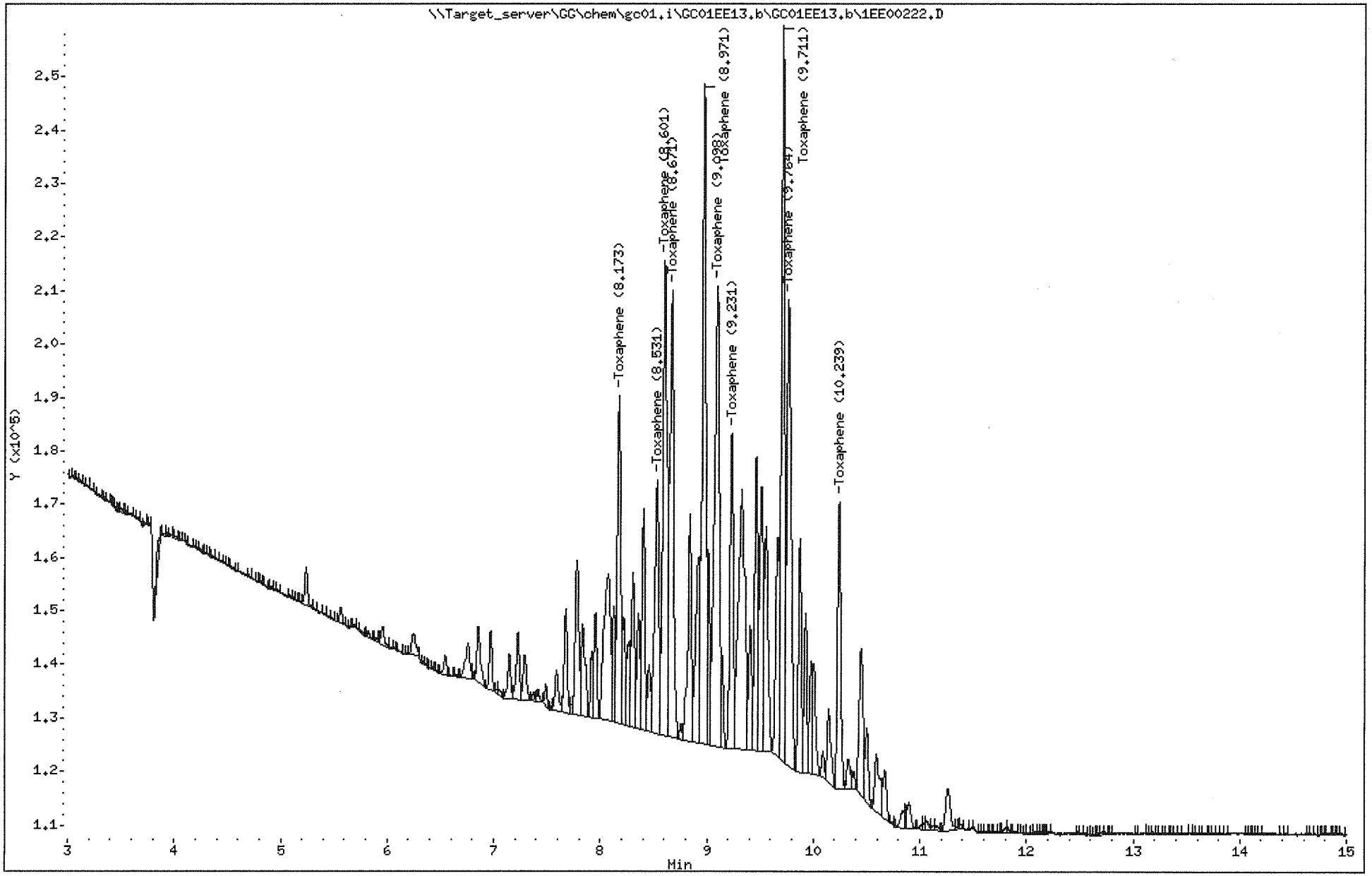
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.172	8.173	-0.001	61067	0.50000	0.273	80.00- 120.00	100.00	
8.530	8.530	0.000	47382	0.50000	0.399	63.11- 94.66	77.59	
8.600	8.600	0.000	88805	0.50000	0.465	118.18- 177.26	145.42	
8.670	8.668	0.002	83565	0.50000	3.19	107.79- 161.68	136.84	
8.970	8.970	0.000	123340	0.50000	0.434	163.62- 245.44	201.97	
9.097	9.095	0.002	85998	0.50000	0.760	114.50- 171.74	140.83	
9.230	9.230	0.000	58709	0.50000	0.437	82.26- 123.39	96.14	
9.710	9.710	0.000	137317	0.50000	0.538	189.91- 284.86	224.86	
9.764	9.763	0.001	87016	0.50000	0.502	117.64- 176.47	142.49	
10.239	10.238	0.001	53473	0.50000	0.354	70.53- 105.80	87.56	

Average of Peak Amounts = 0.73520

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00222.D
Date : 13-MAY-2011 19:44
Client ID:
Sample Info: TOX 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000103

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00223.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00223.D
Lab Smp Id: TOX 2.5
Inj Date : 13-MAY-2011 20:01
Operator : CB Inst ID: gc01.i
Smp Info : TOX 2.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

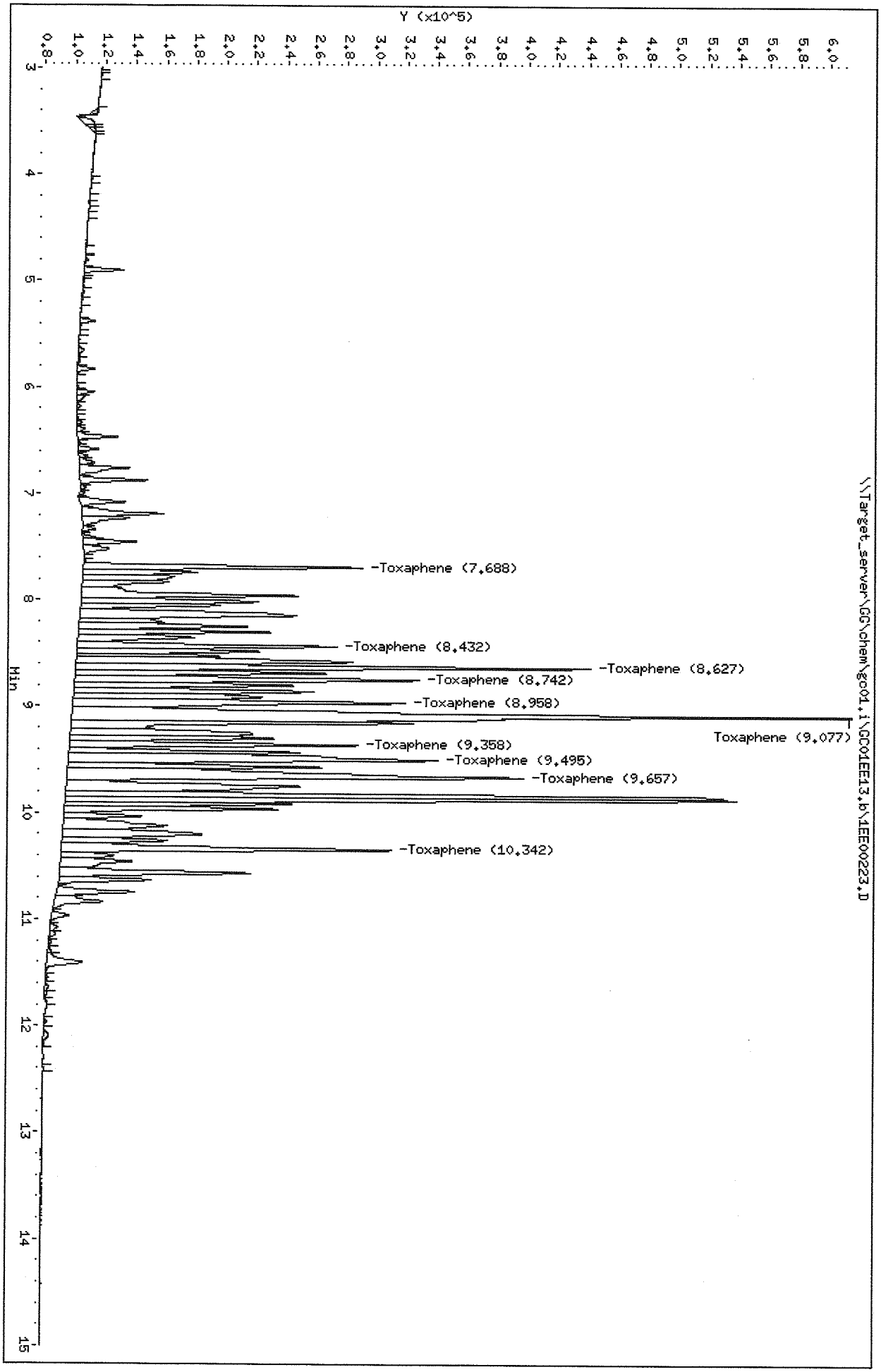
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.688	7.687	0.001	184357	2.50000	2.87	80.00- 120.00	100.00	
8.431	8.428	0.003	171502	2.50000	2.58	72.39- 108.58	93.03	
8.626	8.625	0.001	339964	2.50000	2.74	139.33- 208.99	184.41	
8.741	8.742	-0.001	227823	2.50000	2.60	98.62- 147.94	123.58	
8.958	8.955	0.003	220059	2.50000	2.55	90.41- 135.62	119.37	
9.076	9.075	0.001	515611	2.50000	2.90	218.53- 327.80	279.68	
9.358	9.355	0.003	190460	2.50000	2.58	75.69- 113.54	103.31	
9.494	9.492	0.002	244120	2.50000	2.60	100.41- 150.61	132.42	
9.656	9.653	0.003	301568	2.50000	2.68	125.18- 187.77	163.58	
10.341	10.338	0.003	218344	2.50000	5.40	92.94- 139.41	118.44	

Average of Peak Amounts = 2.95000

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00223.D
Date : 13-MAY-2011 20:01
Client ID:
Sample Info: TOX 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Data File: 1EE00223.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

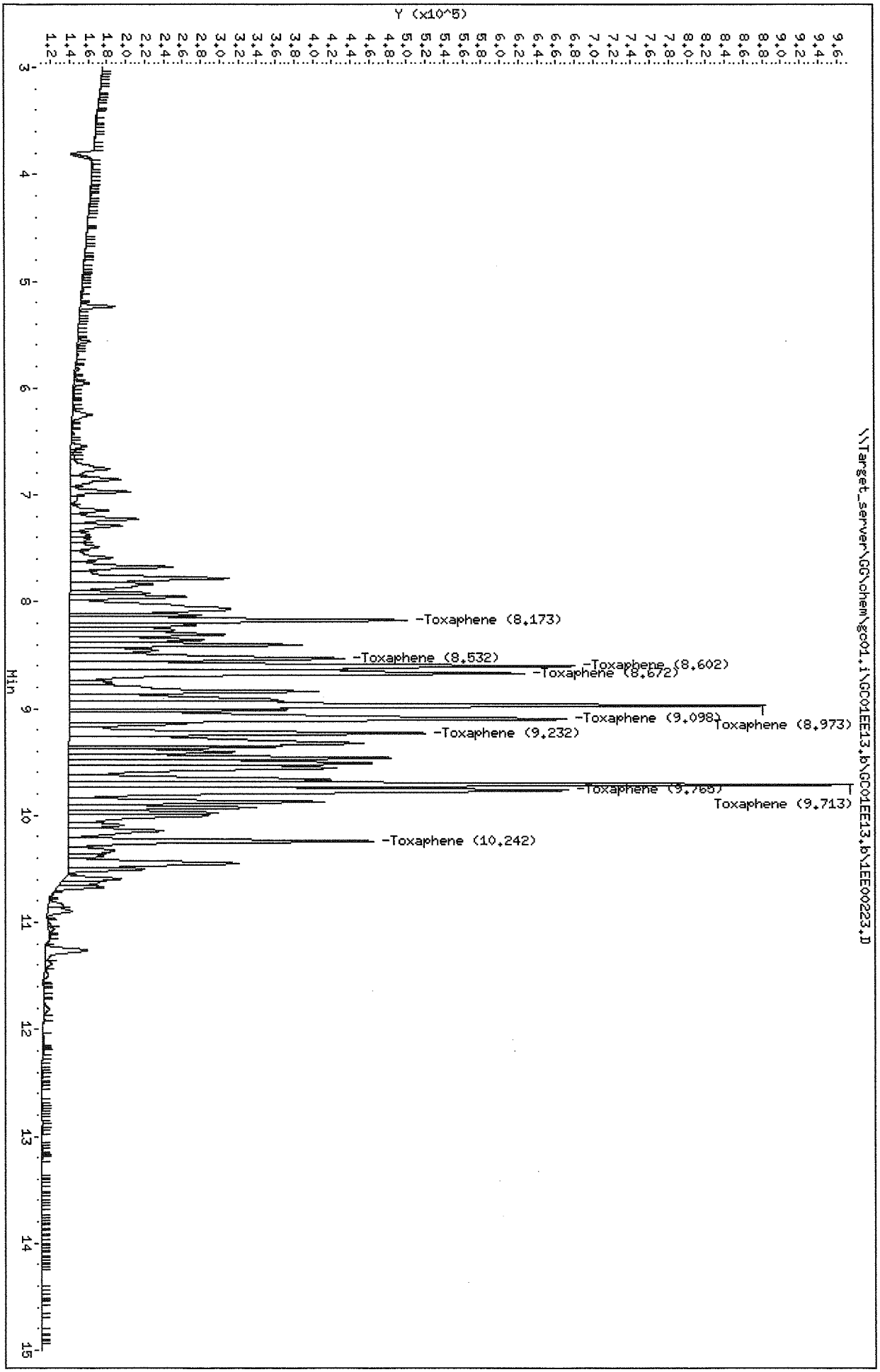
Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00223.D
Lab Smp Id: TOX 2.5
Inj Date : 13-MAY-2011 20:01
Operator : CB Inst ID: gc01.i
Smp Info : TOX 2.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.173	8.173	0.000	360814	2.50000	4.65	80.00- 120.00	100.00	
8.531	8.530	0.001	294189	2.50000	2.54	63.11- 94.66	81.53	
8.601	8.600	0.001	540060	2.50000	2.58	118.18- 177.26	149.68	
8.671	8.668	0.003	485629	2.50000	2.40	107.79- 161.68	134.59	
8.973	8.970	0.003	744054	2.50000	4.58	163.62- 245.44	206.22	
9.098	9.095	0.003	530952	2.50000	2.60	114.50- 171.74	147.15	
9.231	9.230	0.001	380914	2.50000	2.58	82.26- 123.39	105.57	
9.713	9.710	0.003	837407	2.50000	2.72	189.91- 284.86	232.09	
9.764	9.763	0.001	533341	2.50000	2.50	117.64- 176.47	147.82	
10.241	10.238	0.003	326739	2.50000	3.07	70.53- 105.80	90.56	

Average of Peak Amounts = 3.02200


Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00223.D
Date : 13-MAY-2011 20:01
Client ID:
Sample Info: TOX 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: CB
Column diameter: 0.53
\\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00223.D
Y (x10^5)
Min
-Toxaphene (8.173)
-Toxaphene (8.532)
-Toxaphene (8.602)
-Toxaphene (8.672)
Toxaphene (8.973)
-Toxaphene (9.098)
-Toxaphene (9.232)
-Toxaphene (9.765)
Toxaphene (9.713)
-Toxaphene (10.242)

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00224.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00224.D
Lab Smp Id: TOX 10
Inj Date : 13-MAY-2011 20:19
Operator : CB Inst ID: gc01.i
Smp Info : TOX 10
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 15 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

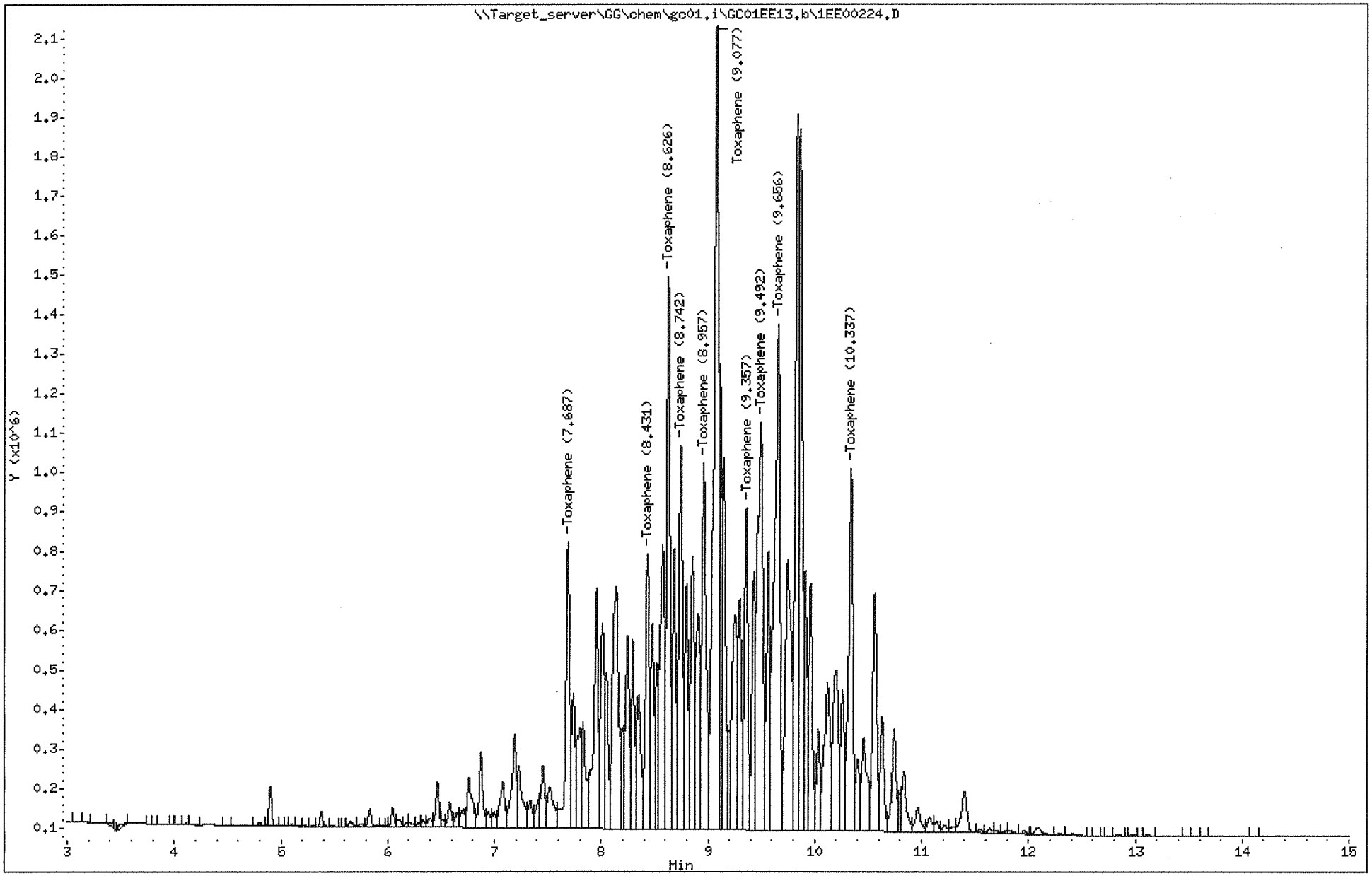
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.687	7.687	0.000	724355	10.0000	10.0	80.00- 120.00	100.00	
8.430	8.428	0.002	694014	10.0000	10.0	72.39- 108.58	95.81	
8.625	8.625	0.000	1398418	10.0000	10.0	139.33- 208.99	193.06	
8.742	8.742	0.000	970589	10.0000	10.0	98.62- 147.94	133.99	
8.957	8.955	0.002	927717	10.0000	10.0	90.41- 135.62	128.07	
9.077	9.075	0.002	2034399	10.0000	10.0	218.53- 327.80	280.86	
9.357	9.355	0.002	812658	10.0000	10.0	75.69- 113.54	112.19	
9.492	9.492	0.000	1030169	10.0000	10.0	100.41- 150.61	142.22	
9.655	9.653	0.002	1278516	10.0000	10.0	125.18- 187.77	176.50	
10.337	10.338	-0.001	916146	10.0000	10.0	92.94- 139.41	126.48	

Average of Peak Amounts = 10.0000

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00224.D
Date : 13-MAY-2011 20:19
Client ID:
Sample Info: TOX 10
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000109

Data File: 1EE00224.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00224.D
Lab Smp Id: TOX 10
Inj Date : 13-MAY-2011 20:19
Operator : CB Inst ID: gc01.i
Smp Info : TOX 10
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 15 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.174	8.173	0.001	1343890	10.0000	10.0	80.00- 120.00	100.00(M)	
8.530	8.530	0.000	1061137	10.0000	10.0	63.11- 94.66	78.96	
8.600	8.600	0.000	1962142	10.0000	10.0	118.18- 177.26	146.00	
8.669	8.668	0.001	1746040	10.0000	10.0	107.79- 161.68	129.92	
8.970	8.970	0.000	2717256	10.0000	10.0	163.62- 245.44	202.19	
9.097	9.095	0.002	1939298	10.0000	10.0	114.50- 171.74	144.30	
9.230	9.230	0.000	1439215	10.0000	10.0	82.26- 123.39	107.09	
9.710	9.710	0.000	3169825	10.0000	10.0	189.91- 284.86	235.87	
9.764	9.763	0.001	2061684	10.0000	10.0	117.64- 176.47	153.41	
10.239	10.238	0.001	1219874	10.0000	10.0	70.53- 105.80	90.77	

Average of Peak Amounts = 10.0000

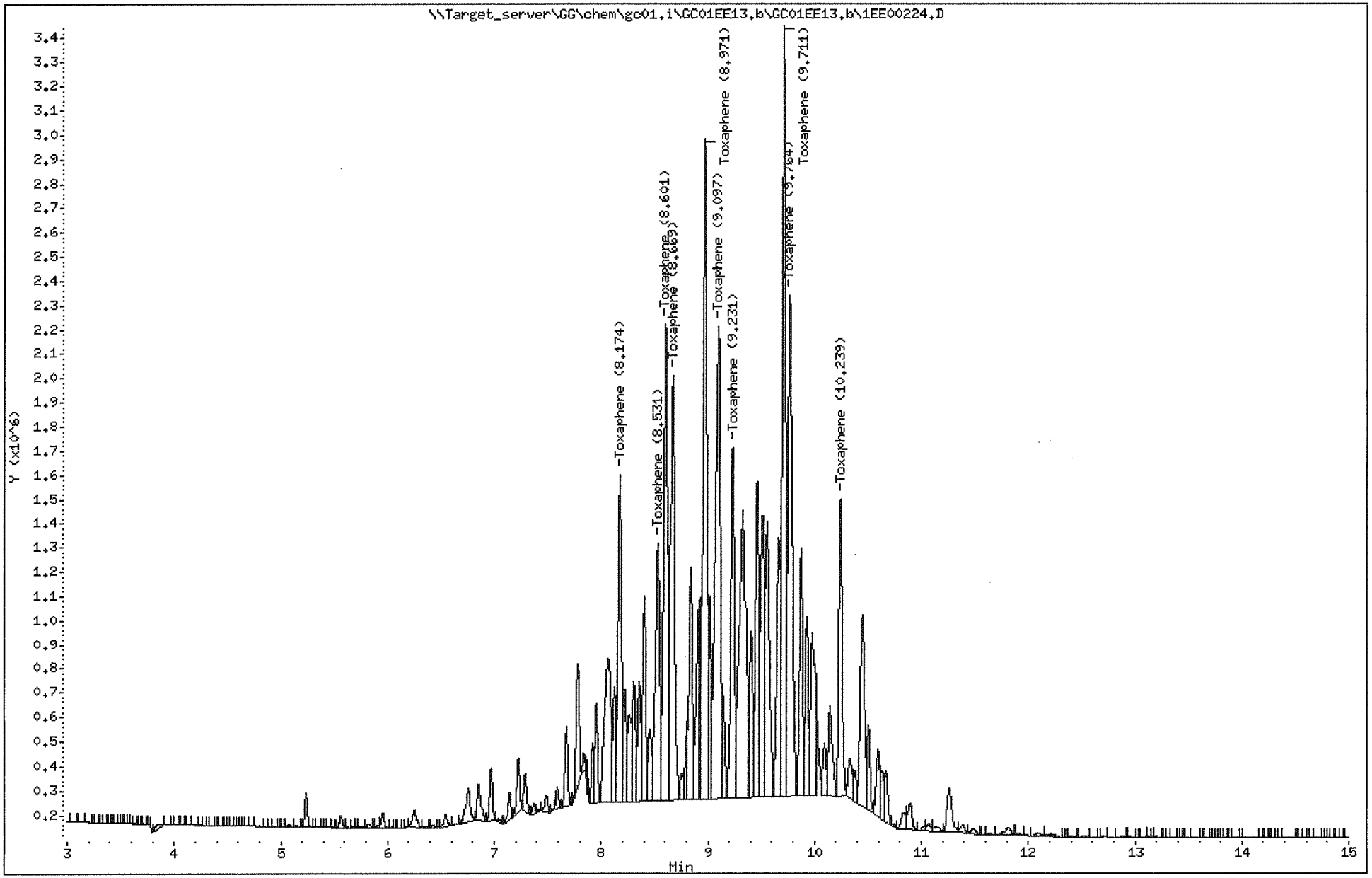
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00224.D
Date : 13-MAY-2011 20:19
Client ID:
Sample Info: TOX 10
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000111

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00225.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00225.D
Lab Smp Id: TC 0.5
Inj Date : 13-MAY-2011 20:36
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

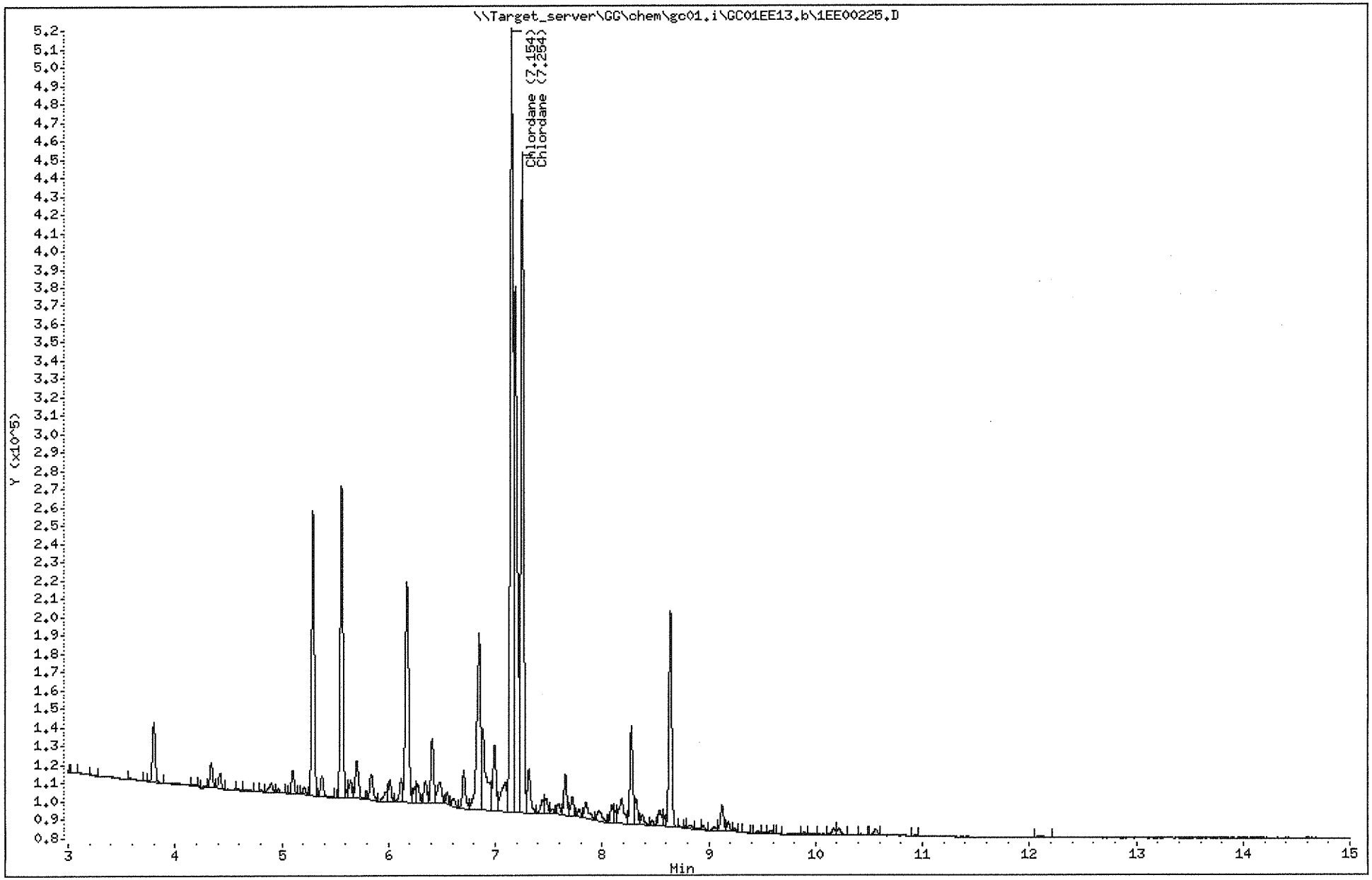
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.153	7.154	-0.001	426779	0.50000	0.663	80.00- 120.00	100.00	
7.253	7.254	-0.001	359407	0.50000	0.508	66.96- 100.44	84.21	
		Average of Peak Amounts =			0.58550			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00225.D
Date : 13-MAY-2011 20:36
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000113

Data File: 1EE00225.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00225.D
Lab Smp Id: TC 0.5
Inj Date : 13-MAY-2011 20:36
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:36 Cal File: 1EE00225.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

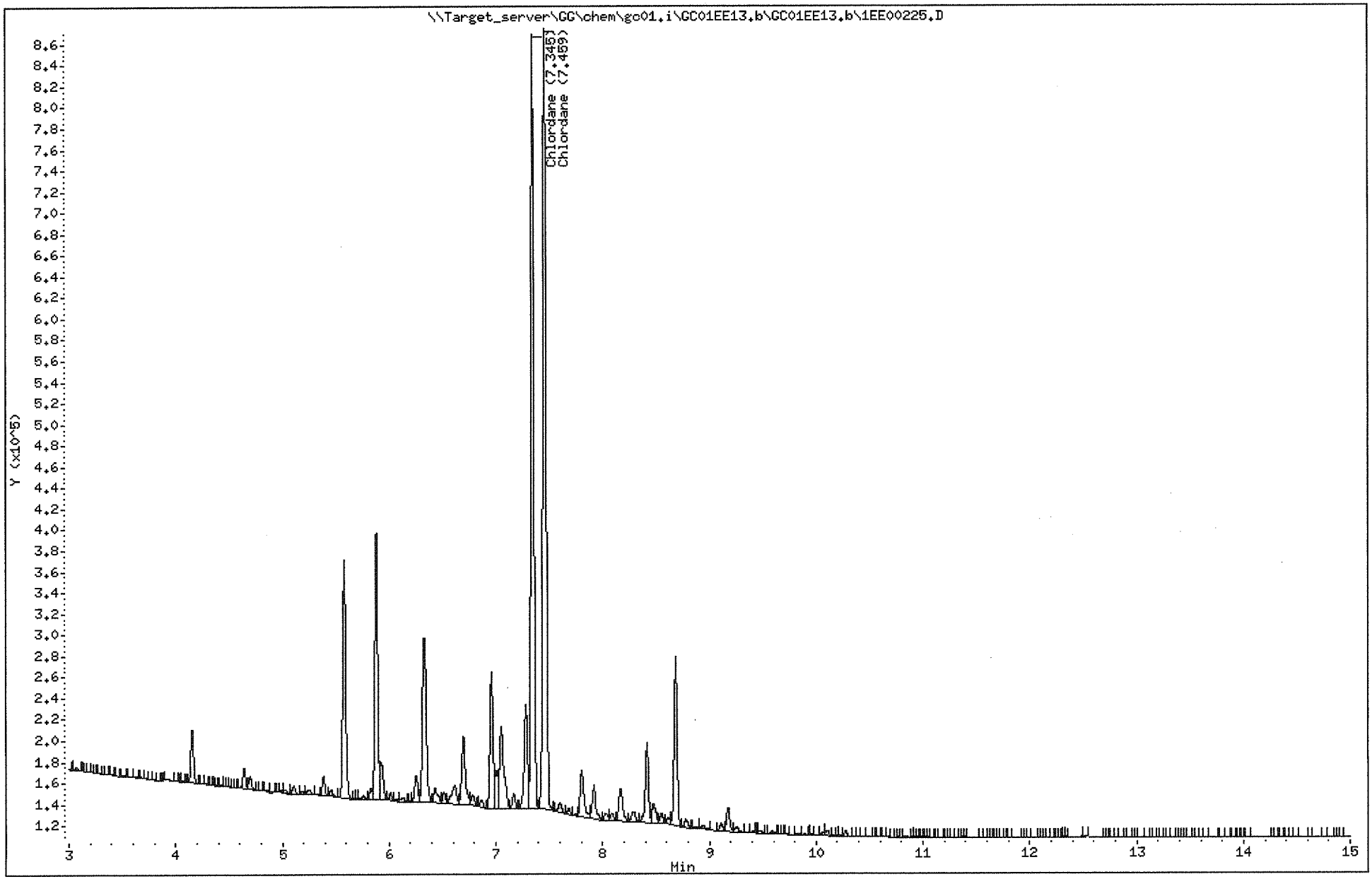
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.345	7.345	0.000	733041	0.50000	0.500	80.00- 120.00	100.00	
7.458	7.459	-0.001	738856	0.50000	0.500	80.32- 120.48	100.79	
		Average of Peak Amounts =			0.50000			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00225.D
Date : 13-MAY-2011 20:36
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000115

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00226.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00226.D
Lab Smp Id: TC 0.05
Inj Date : 13-MAY-2011 20:54
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 17 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

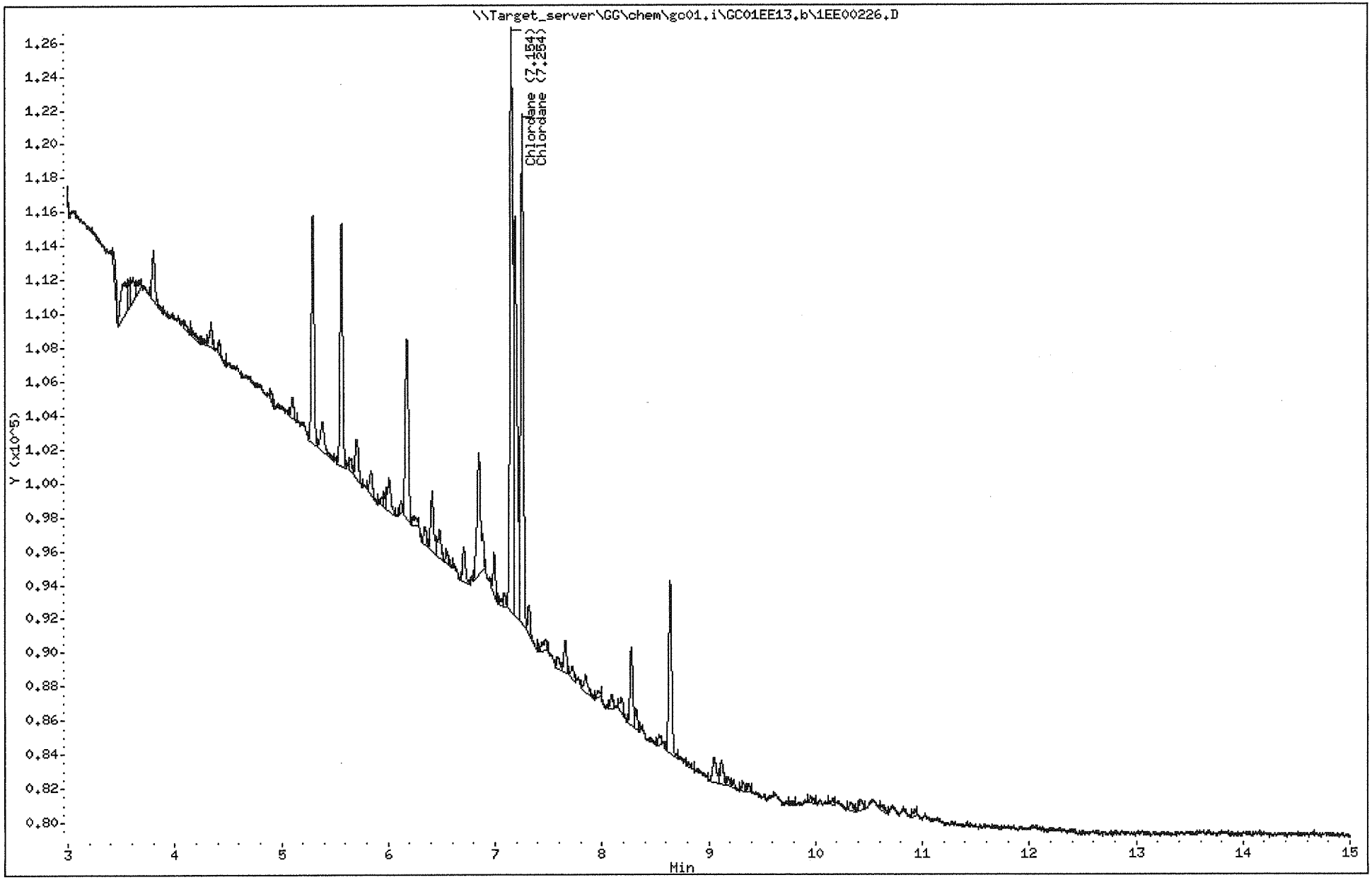
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.154	7.154	0.000	34497	0.05000	0.0789	80.00- 120.00	100.00	
7.254	7.254	0.000	30032	0.05000	0.677	66.96- 100.44	87.06	
Average of Peak Amounts =					0.37795			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00226.D
Date : 13-MAY-2011 20:54
Client ID:
Sample Info: TC 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000117

Data File: 1EE00226.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00226.D
Lab Smp Id: TC 0.05
Inj Date : 13-MAY-2011 20:54
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 20:54 Cal File: 1EE00226.D
Als bottle: 17 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

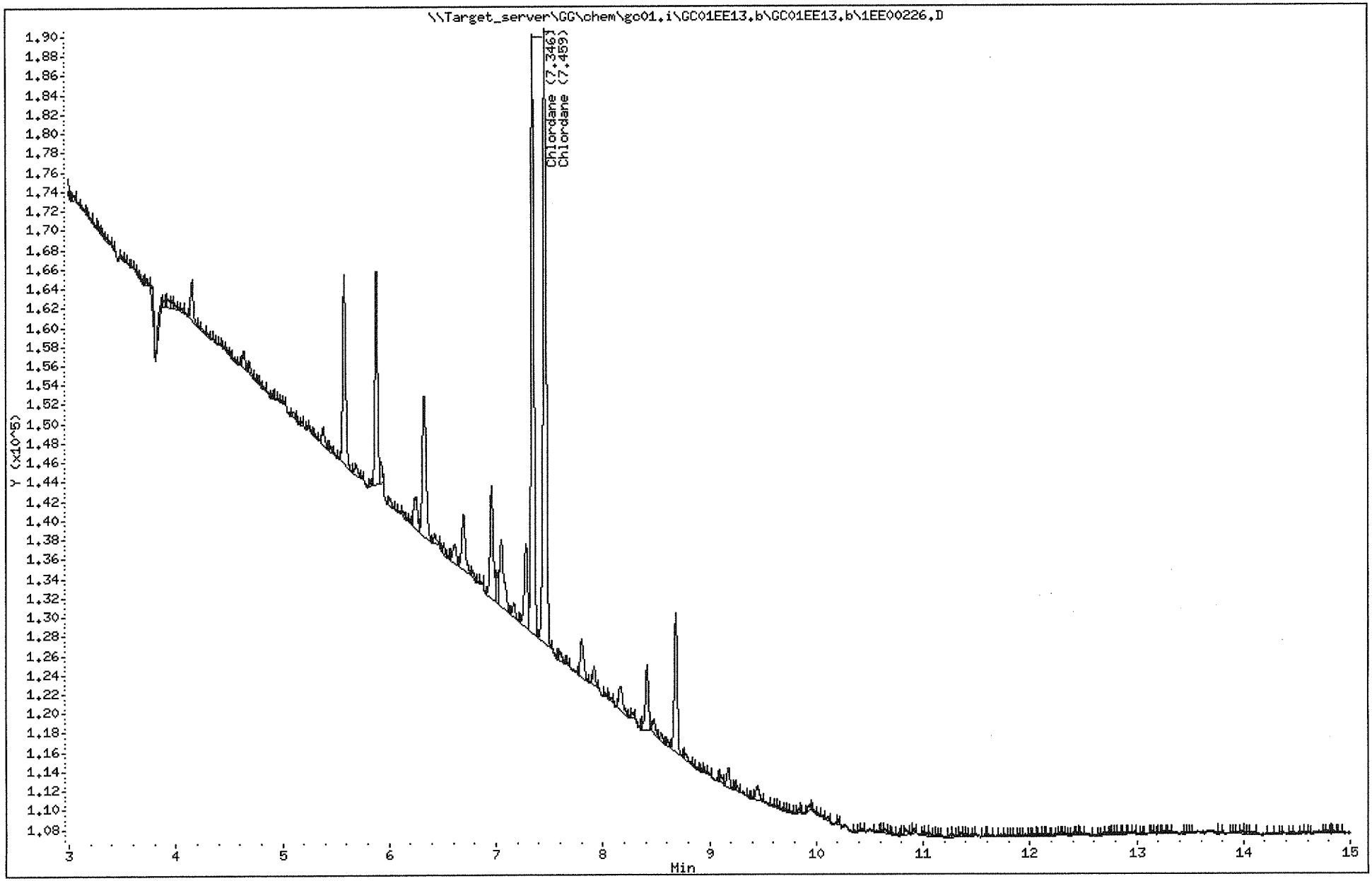
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.345	7.345	0.000	61896	0.05000	0.0500	80.00- 120.00	100.00	
7.459	7.459	0.000	63520	0.05000	0.0500	80.32- 120.48	102.62	
		Average of Peak Amounts =			0.05000			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00226.D
Date : 13-MAY-2011 20:54
Client ID:
Sample Info: TC 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000119

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00227.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00227.D
Lab Smp Id: TC 0.1
Inj Date : 13-MAY-2011 21:11
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

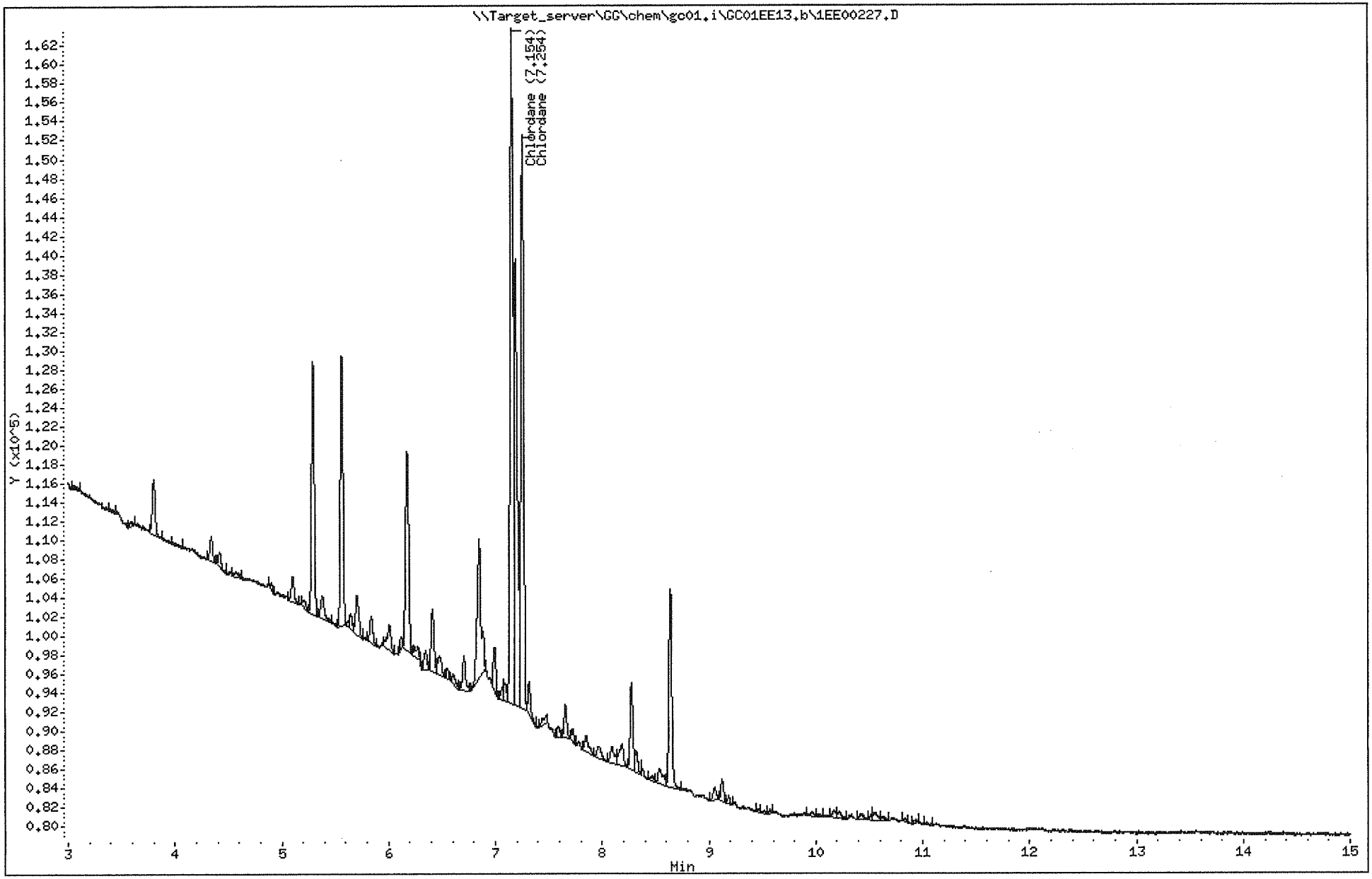
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.153	7.154	-0.001	70945	0.10000	0.122	80.00- 120.00	100.00	
7.253	7.254	-0.001	60117	0.10000	1.06	66.96- 100.44	84.74	
		Average of Peak Amounts =			0.59100			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00227.D
Date : 13-MAY-2011 21:11
Client ID:
Sample Info: TC 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000121

Data File: 1EE00227.D
Report Date: 17-May-2011 10:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00227.D
Lab Smp Id: TC 0.1
Inj Date : 13-MAY-2011 21:11
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:11 Cal File: 1EE00227.D
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

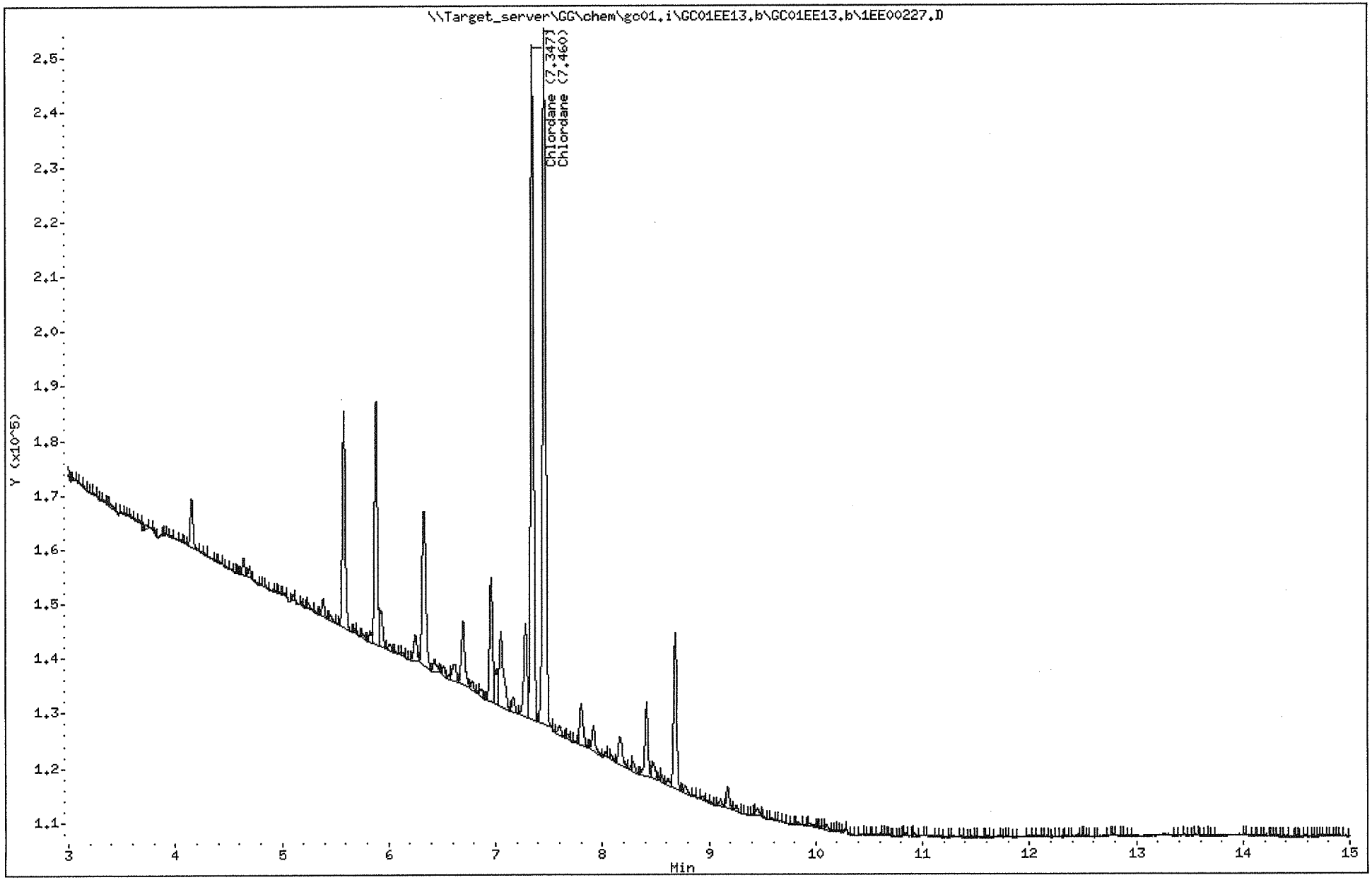
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.346	7.345	0.001	123585	0.10000	0.0997	80.00- 120.00	100.00	
7.460	7.459	0.001	127454	0.10000	0.0998	80.32- 120.48	103.13	
		Average of Peak Amounts =			0.09975			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00227.D
Date : 13-MAY-2011 21:11
Client ID:
Sample Info: TC 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000123

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00228.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00228.D
Lab Smp Id: TC 0.25
Inj Date : 13-MAY-2011 21:29
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:29 Cal File: 1EE00228.D
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

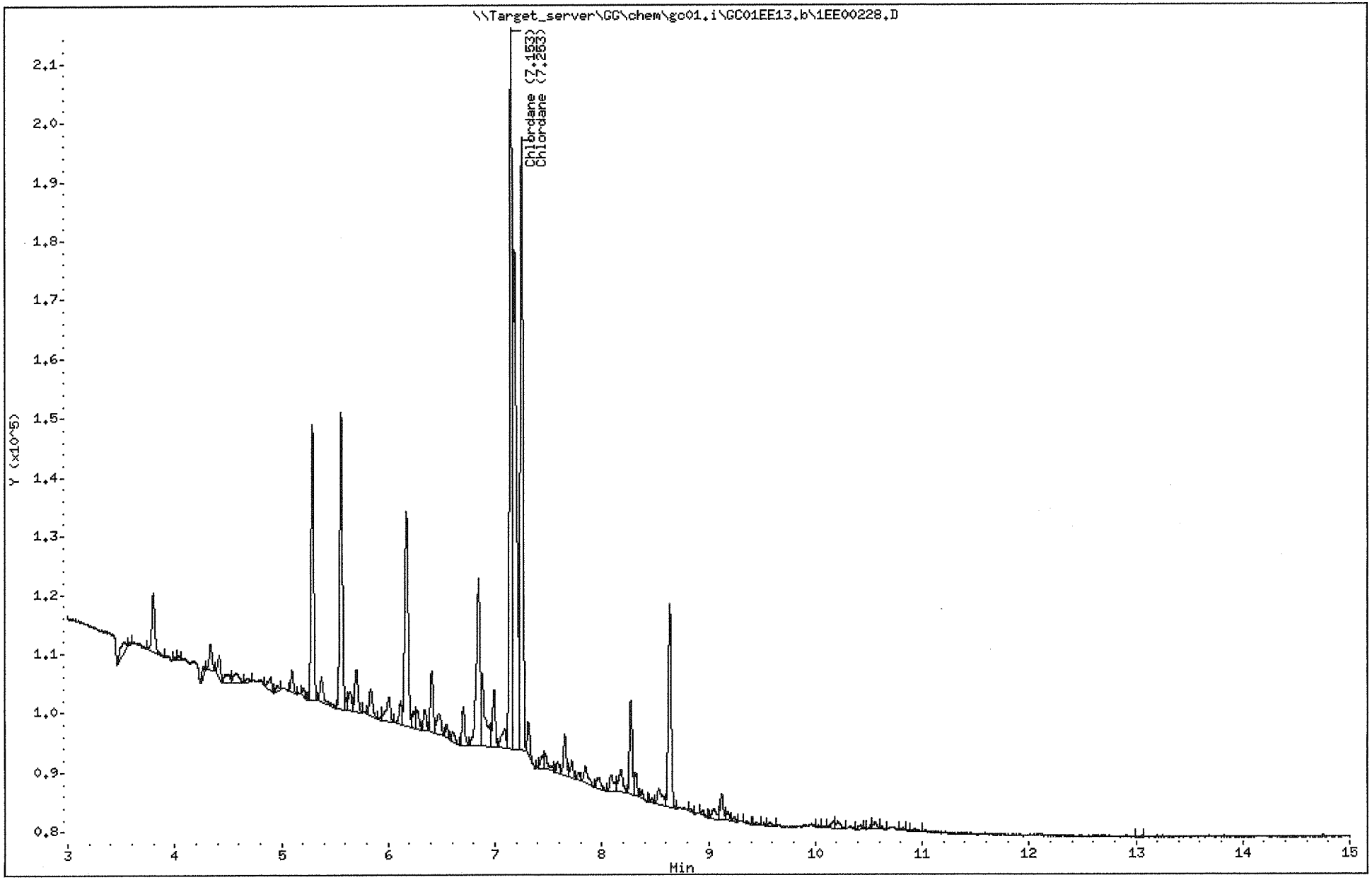
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.152	7.154	-0.002	121879	0.25000	0.184	80.00- 120.00	100.00	
7.252	7.254	-0.002	103782	0.25000	1.23	66.96- 100.44	85.15	
		Average of Peak Amounts =			0.70700			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00228.D
Date : 13-MAY-2011 21:29
Client ID:
Sample Info: TC 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000125

Data File: 1EE00228.D
Report Date: 17-May-2011 10:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00228.D
Lab Smp Id: TC 0.25
Inj Date : 13-MAY-2011 21:29
Operator : CB Inst ID: gc01.i
Smp Info : TC 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:29 Cal File: 1EE00228.D
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

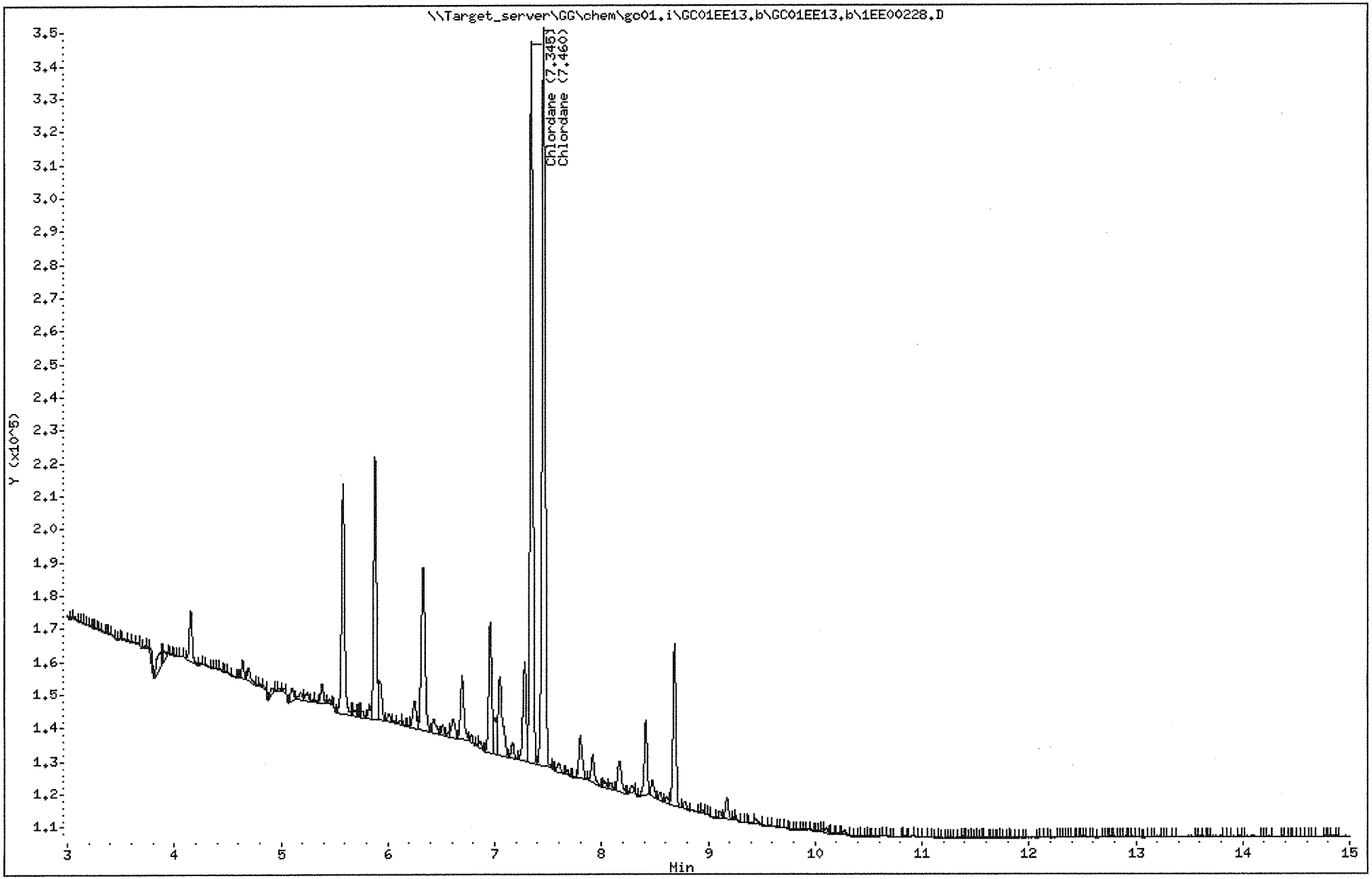
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.344	7.345	-0.001	217711	0.25000	0.226	80.00- 120.00	100.00	
7.459	7.459	0.000	222661	0.25000	0.225	80.32- 120.48	102.27	
		Average of Peak Amounts =			0.22550			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00228.D
Date : 13-MAY-2011 21:29
Client ID:
Sample Info: TC 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000127

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00229.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00229.D
Lab Smp Id: TC 1.0
Inj Date : 13-MAY-2011 21:46
Operator : CB Inst ID: gc01.i
Smp Info : TC 1.0
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 20 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

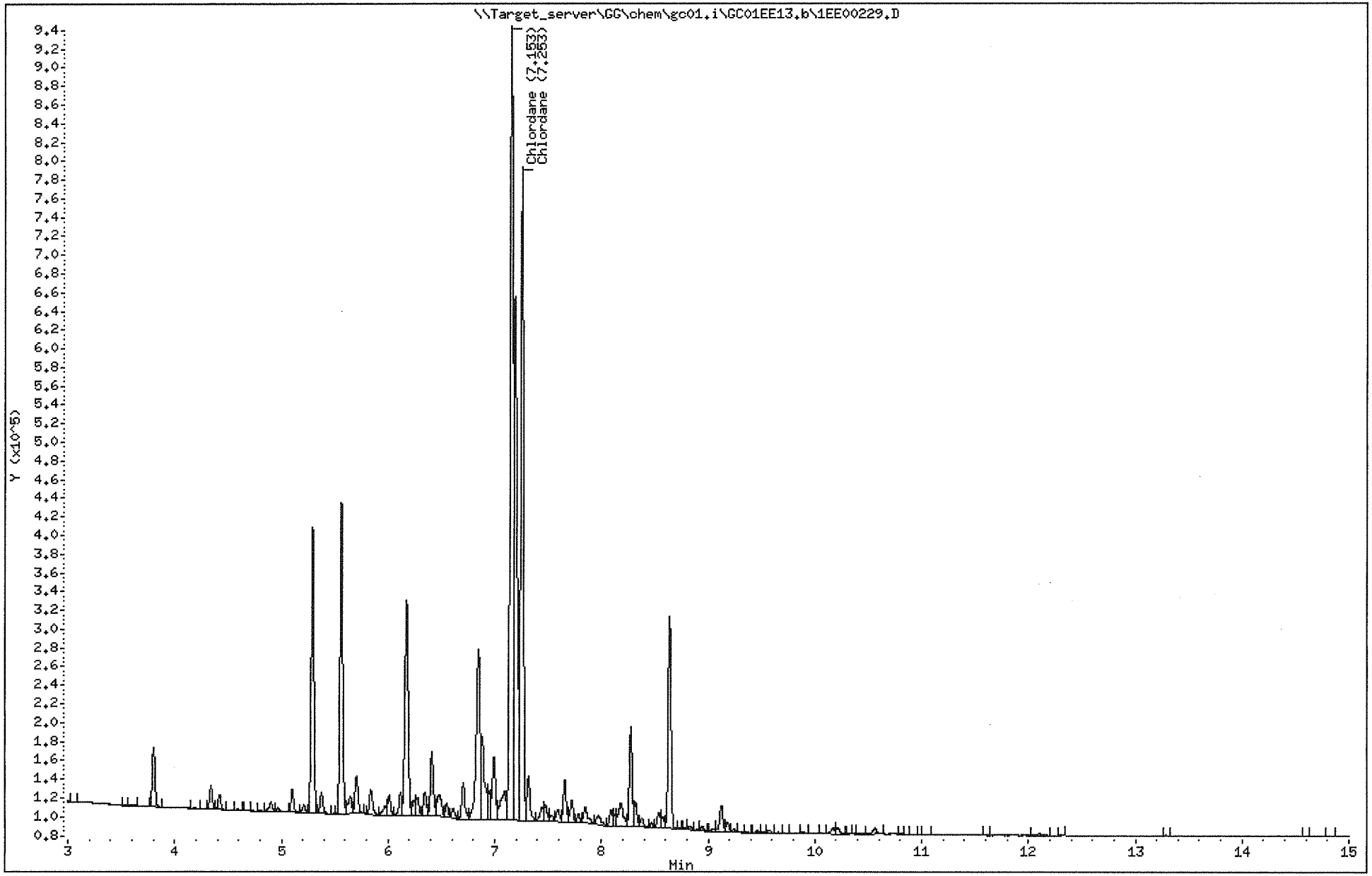
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.153	7.154	-0.001	847993	1.00000	1.09	80.00- 120.00	100.00	
7.253	7.254	-0.001	696661	1.00000	0.864	66.96- 100.44	82.15	
		Average of Peak Amounts =			0.97700			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\1EE00229.D
Date : 13-MAY-2011 21:46
Client ID:
Sample Info: TC 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000129

Data File: 1EE00229.D
Report Date: 17-May-2011 10:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00229.D
Lab Smp Id: TC 1.0
Inj Date : 13-MAY-2011 21:46
Operator : CB Inst ID: gc01.i
Smp Info : TC 1.0
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 21:46 Cal File: 1EE00229.D
Als bottle: 20 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

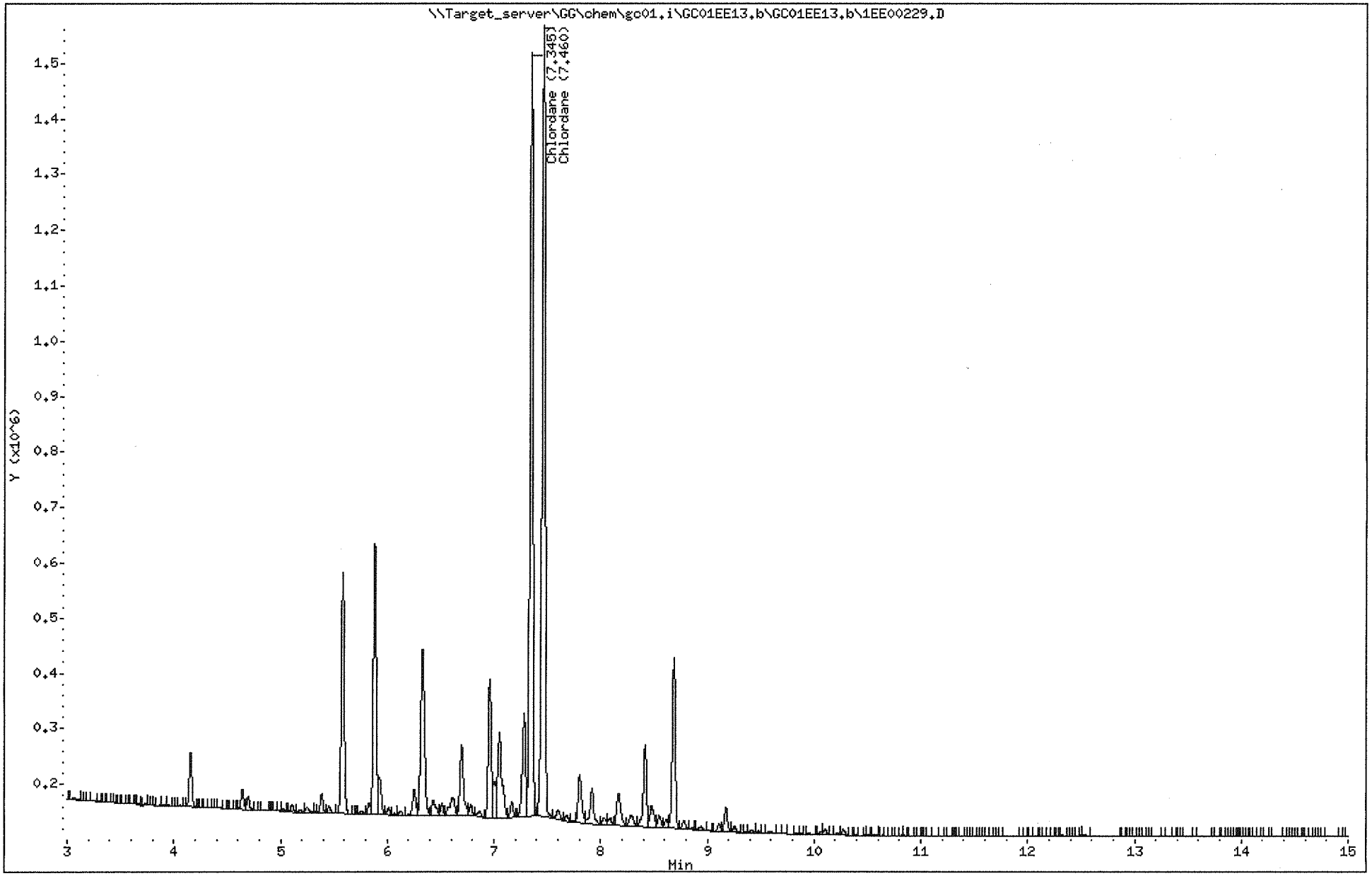
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.344	7.345	-0.001	1376116	1.00000	0.992	80.00- 120.00	100.00	
7.459	7.459	0.000	1426404	1.00000	0.993	80.32- 120.48	103.65	
		Average of Peak Amounts =			0.99250			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00229.D
Date : 13-MAY-2011 21:46
Client ID:
Sample Info: TC 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000131

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00230.D
Report Date: 17-May-2011 10:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00230.D
Lab Smp Id: TC 2.5
Inj Date : 13-MAY-2011 22:04
Operator : CB Inst ID: gc01.i
Smp Info : TC 2.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m
Meth Date : 16-May-2011 12:41 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

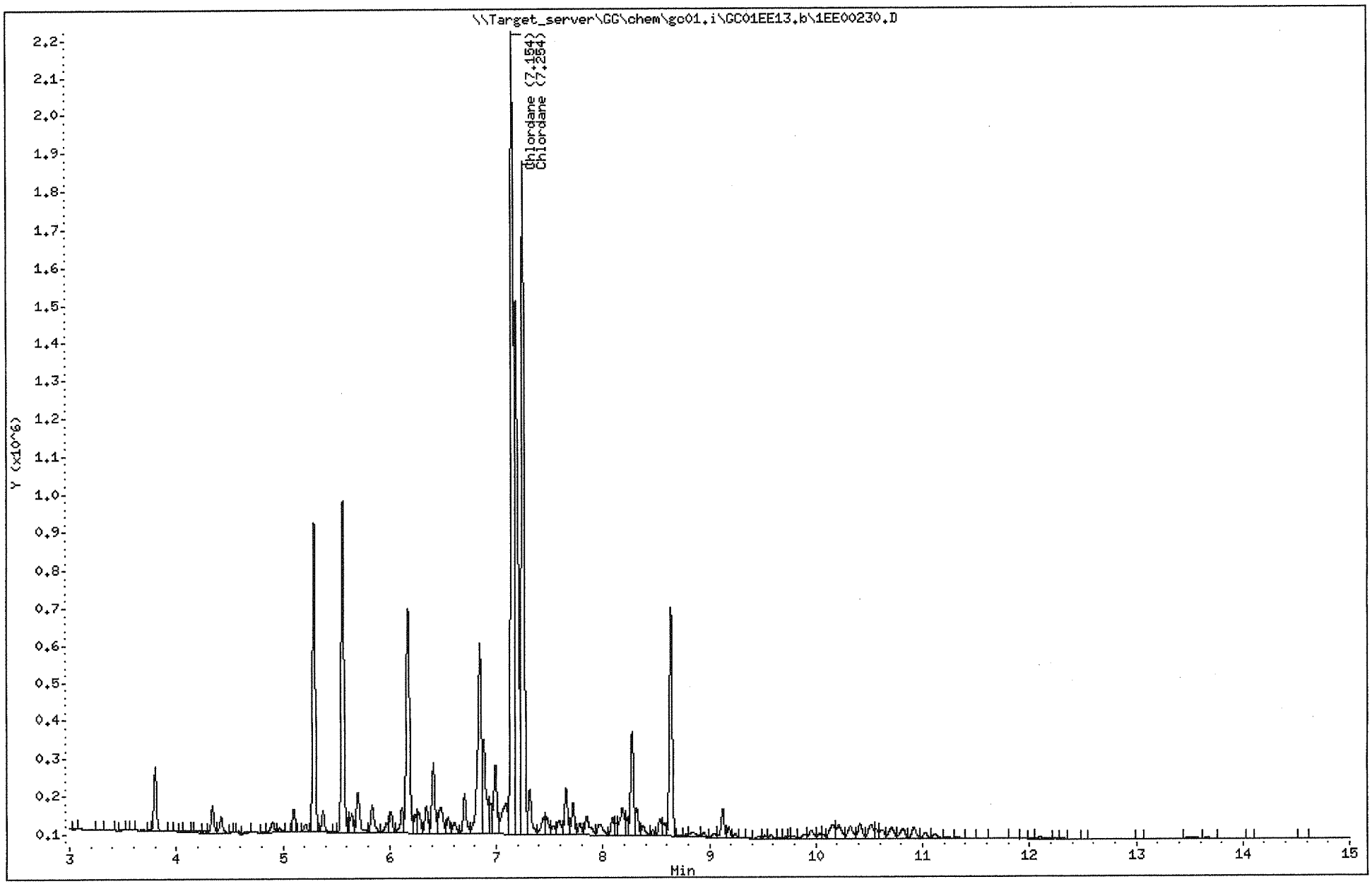
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.154	7.154	0.000	2123582	2.50000	2.50	80.00- 120.00	100.00	
7.254	7.254	0.000	1777456	2.50000	2.50	66.96- 100.44	83.70	
		Average of Peak Amounts =			2.50000			

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\1EE00230.D
Date : 13-MAY-2011 22:04
Client ID:
Sample Info: TC 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000133

Data File: 1EE00230.D
Report Date: 17-May-2011 10:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00230.D
Lab Smp Id: TC 2.5
Inj Date : 13-MAY-2011 22:04
Operator : CB Inst ID: gc01.i
Smp Info : TC 2.5
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE13.b\PEST062.m\PEST062.m
Meth Date : 16-May-2011 12:43 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

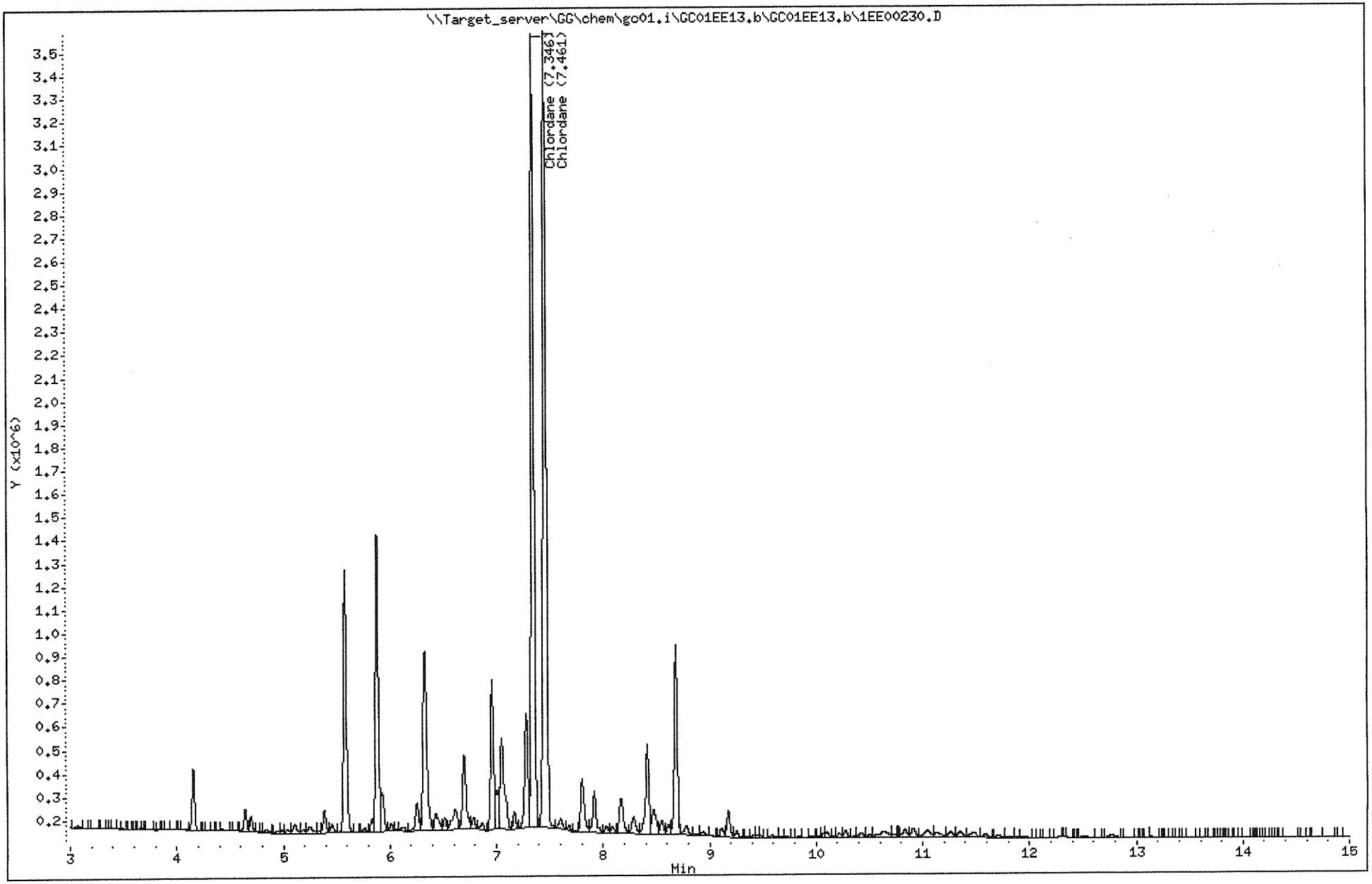
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.345	7.345	0.000	3410656	2.50000	2.50	80.00- 120.00	100.00	
7.460	7.459	0.001	3424226	2.50000	2.50	80.32- 120.48	100.40	
		Average of Peak Amounts =			2.50000			

Data File: \\Target_server\GG\chem\gc01.i\GC01EE13.b\GC01EE13.b\1EE00230.D
Date : 13-MAY-2011 22:04
Client ID:
Sample Info: TC 2.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000135

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/26/11
Lab Sample ID (PEM): EVAL Time Analyzed :1023

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE02389.D	1.28	2.08

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02389.D
Report Date: 08-Jun-2011 13:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02389.D
Lab Smp Id: EVAL
Inj Date : 26-MAY-2011 10:23
Operator : JLP Inst ID: gc01.i
Smp Info : EVAL
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: eval.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

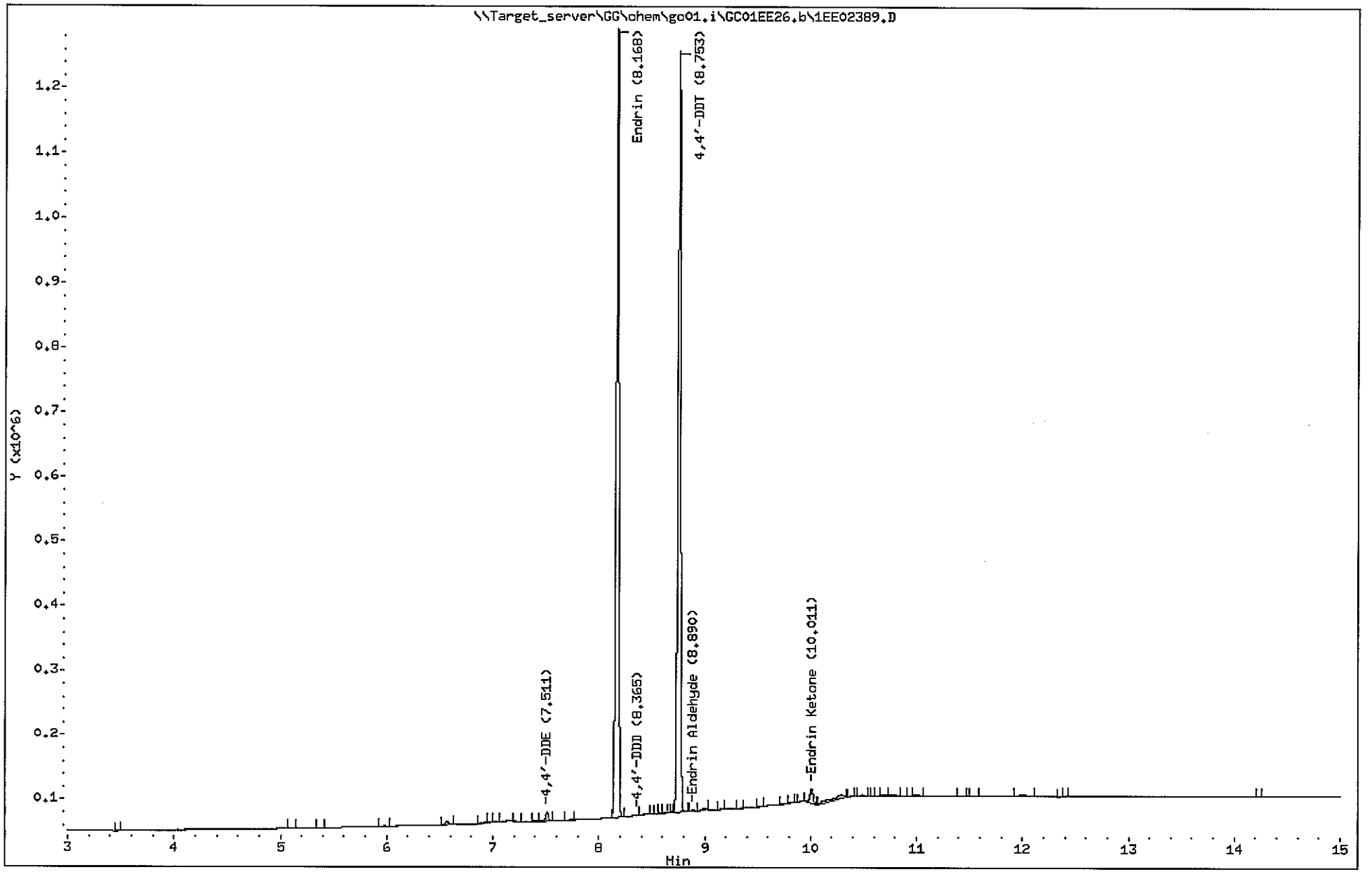
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
19 4,4'-DDE	7.511	7.506	0.005	13817	0.00298	0.0298	
23 Endrin	8.168	8.163	0.005	1218488	0.18913	1.89	
24 4,4'-DDD	8.364	8.360	0.004	1443	0.00271	0.0271	
27 4,4'-DDT	8.753	8.748	0.005	1176962	0.21641	2.16	
28 Endrin Aldehyde	8.889	8.883	0.006	2628	0.00242	0.0242	
33 Endrin Ketone	10.011	10.006	0.005	23330	0.00764	0.0764	

Data File: \\Target_server\GG\chem\go01.i\GC01EE26.b\1EE02389.D
Date : 26-MAY-2011 10:23
Client ID:
Sample Info: EVAL
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000138

/D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/13/11 05/13/11

Client Sample ID (PEM): Date Analyzed :05/26/11
Lab Sample ID (PEM): EVAL Time Analyzed :1023

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EE02389.D	1.39	1.64

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

Data File: 1EE02389.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02389.D
Lab Smp Id: EVAL
Inj Date : 26-MAY-2011 10:23
Operator : JLP Inst ID: gc01.i
Smp Info : EVAL
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: eval.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

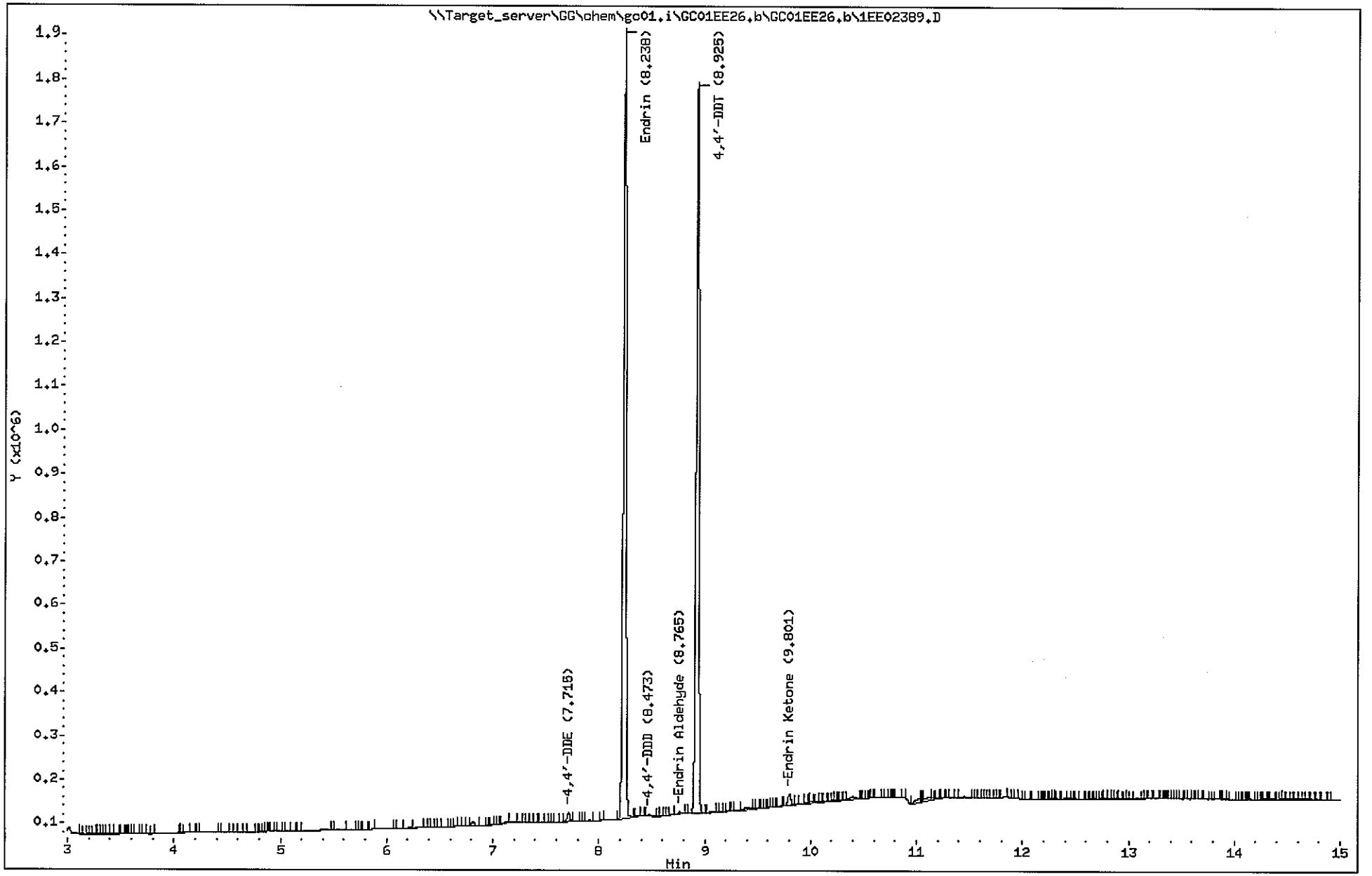
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
19 4,4'-DDE	7.714	7.716	-0.002	20707	0.00266	0.0266	
23 Endrin	8.238	8.240	-0.002	1799247	0.20321	2.03	
24 4,4'-DDD	8.473	8.475	-0.002	2828	0.00174	0.0174	
27 4,4'-DDT	8.924	8.926	-0.002	1666868	0.21551	2.16	
28 Endrin Aldehyde	8.764	8.765	-0.001	3725	0.00235	0.0235	
33 Endrin Ketone	9.801	9.801	0.000	26257	0.00724	0.0724	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02389.D
Date : 26-MAY-2011 10:23
Client ID:
Sample Info: EVAL
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000141

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1040

Lab File ID: 1EE02390 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.15e-002	5.e-002	12071000	0.001	3.00	20.00	LINR	
gamma-BHC	5.08e-002	5.e-002	10973000	0.001	1.60	20.00	LINR	
Heptachlor	5.61e-002	5.e-002	8245700.0	0.001	12.20	20.00	LINR	
beta-BHC	4.93e-002	5.e-002	4350900.0	0.001	-1.40	20.00	LINR	
Aldrin	4.83e-002	5.e-002	8620700.0	0.001	-3.40	20.00	LINR	
delta-BHC	5.87e-002	5.e-002	9294700.0	0.001	17.40	20.00	LINR	
Heptachlor Epoxide	4.79e-002	5.e-002	7583800.0	0.001	-4.20	20.00	LINR	
Endosulfan I	4.82e-002	5.e-002	6641600.0	0.001	-3.60	20.00	LINR	
4,4'-DDE	4.81e-002	5.e-002	7357500.0	0.001	-3.80	20.00	LINR	
Dieldrin	4.87e-002	5.e-002	7360200.0	0.001	-2.60	20.00	LINR	
Endrin	4.9e-002	5.e-002	6126300.0	0.001	-2.00	20.00	LINR	
4,4'-DDD	5.06e-002	5.e-002	5632500.0	0.001	1.20	20.00	LINR	
Endosulfan II	4.95e-002	5.e-002	5912100.0	0.001	-1.00	20.00	LINR	
4,4'-DDT	5.62e-002	5.e-002	5883600.0	0.001	12.40	20.00	LINR	
Endrin Aldehyde	4.98e-002	5.e-002	4184600.0	0.001	-0.40	20.00	LINR	
Endosulfan sulfate	6.13e-002	5.e-002	4819100.0	0.001	22.60	20.00	LINR	<-
Methoxychlor	6.02e-002	5.e-002	2694400.0	0.001	20.40	20.00	LINR	<-
alpha-Chlordane	4.82e-002	5.e-002	6930700.0	0.001	-3.60	20.00	LINR	
gamma-Chlordane	4.84e-002	5.e-002	7407200.0	0.001	-3.20	20.00	LINR	
Endrin Ketone	6.33e-002	5.e-002	5909600.0	0.001	26.60	20.00	LINR	<-
Tetrachloro-m-Xylene	5.e-002	5.e-002	7731900.0	0.001	0.00	20.00	LINR	
Decachlorobiphenyl	5.1e-002	5.e-002	3279700.0	0.001	2.00	20.00	LINR	

FORM VII PEST

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02390.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02390.D
Lab Smp Id: INDAB 0.05
Inj Date : 26-MAY-2011 10:40
Operator : JLP Inst ID: gc01.i
Smp Info : INDAB 0.05
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12

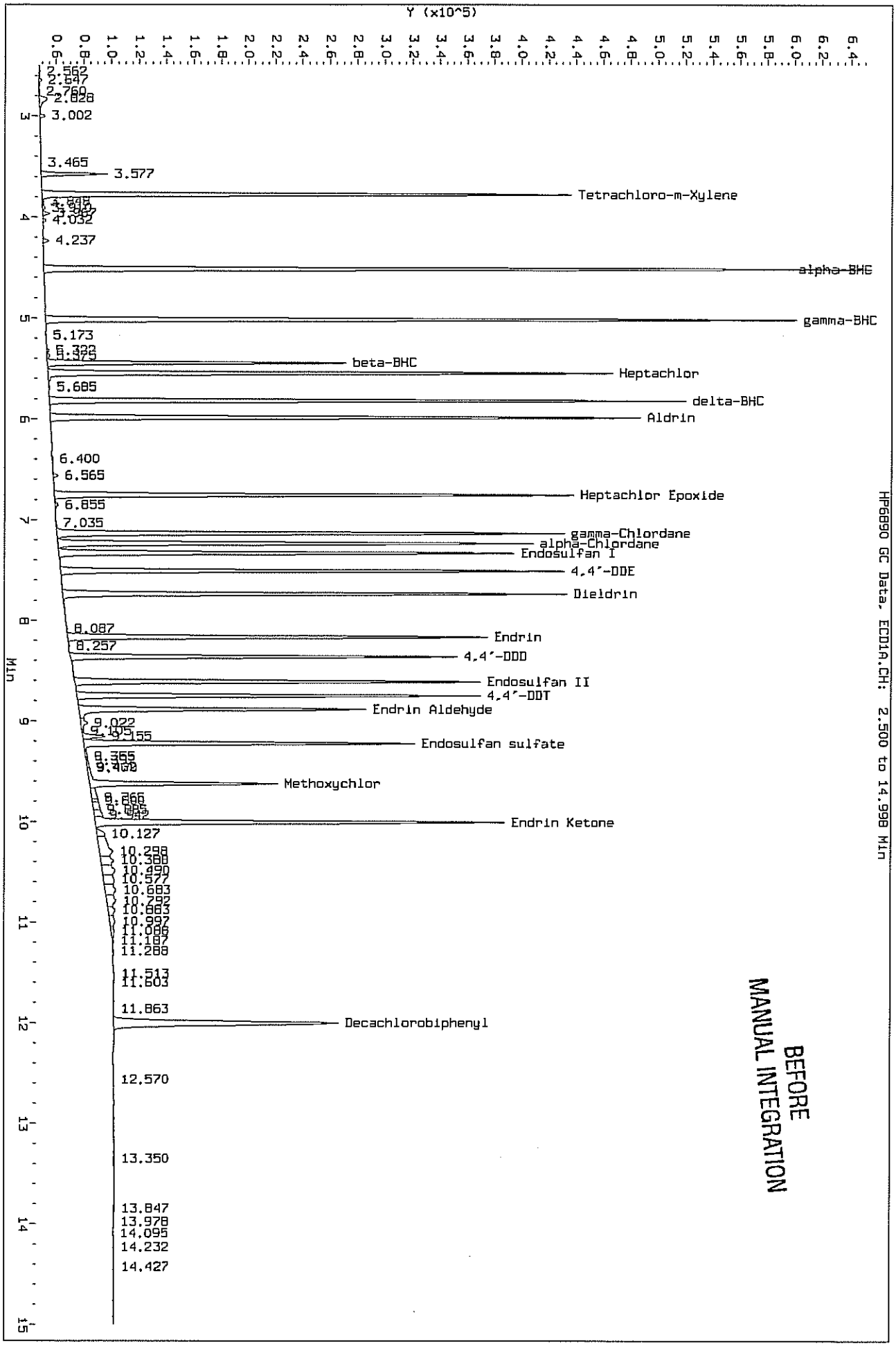
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.778	3.776	0.002	386595	0.05000	0.0500	
5 alpha-BHC	4.513	4.513	0.000	603537	0.05000	0.0515	
6 gamma-BHC	5.015	5.013	0.002	548657	0.05000	0.0508	
7 beta-BHC	5.445	5.443	0.002	217546	0.05000	0.0493	
8 delta-BHC	5.818	5.816	0.002	464736	0.05000	0.0587	
9 Heptachlor	5.546	5.545	0.001	412284	0.05000	0.0560	
10 Aldrin	5.985	5.983	0.002	431033	0.05000	0.0483	
13 Heptachlor Epoxide	6.755	6.751	0.004	379188	0.05000	0.0479	
15 gamma-Chlordane	7.135	7.133	0.002	370359	0.05000	0.0484	
17 alpha-Chlordane	7.235	7.233	0.002	346536	0.05000	0.0482	
19 4,4'-DDE	7.508	7.506	0.002	367873	0.05000	0.0481	
20 Endosulfan I	7.331	7.328	0.003	332078	0.05000	0.0482	
21 Dieldrin	7.736	7.735	0.001	368010	0.05000	0.0486	
23 Endrin	8.165	8.163	0.002	306316	0.05000	0.0490	
24 4,4'-DDD	8.361	8.360	0.001	281623	0.05000	0.0506	
26 Endosulfan II	8.610	8.608	0.002	295607	0.05000	0.0495	
27 4,4'-DDT	8.750	8.748	0.002	294180	0.05000	0.0562	
28 Endrin Aldehyde	8.885	8.883	0.002	209230	0.05000	0.0498	
29 Methoxychlor	9.625	9.623	0.002	134719	0.05000	0.0602(M)	
32 Endosulfan sulfate	9.225	9.221	0.004	240957	0.05000	0.0613	
33 Endrin Ketone	10.008	10.006	0.002	295482	0.05000	0.0633(M)	
$ 34 Decachlorobiphenyl	12.003	12.001	0.002	163983	0.05000	0.0510	

MZ
CB 6/8/11

Data File: \\Target-server\GC\chem\gc01.i\GC01EE26.b\1EE02390.D
Injection Date: 26-MAY-2011 10:40
Instrument: gc01.i
Client Sample ID:

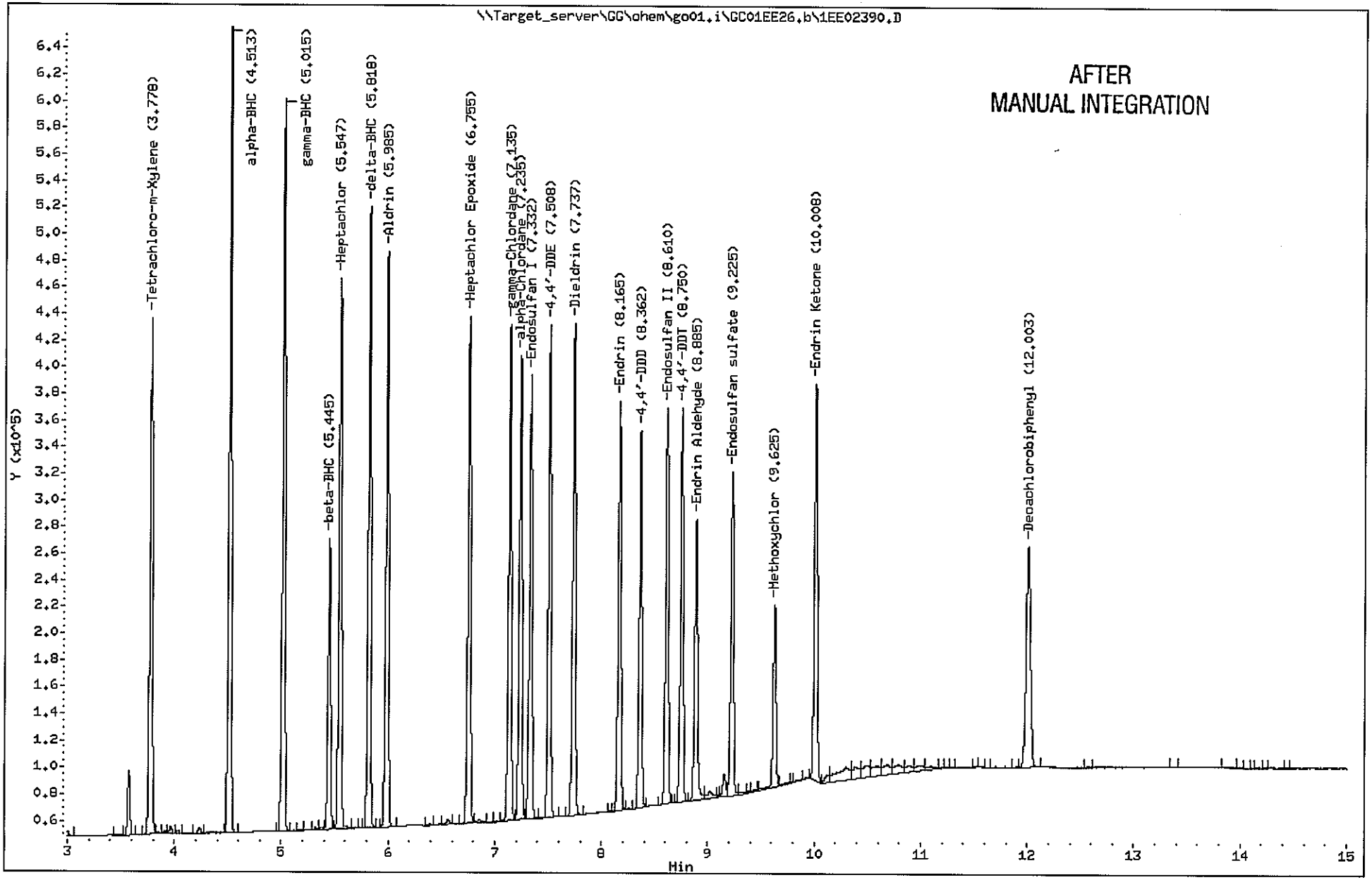


BEFORE
MANUAL INTEGRATION

Data File: \\Target_server\GC\ohem\gc01.i\GC01EE26.b\1EE02390.D
Date : 26-MAY-2011 10:40
Client ID:
Sample Info: INDAB 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000145

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1040

Lab File ID: 1EE02390 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.41e-002	5.e-002	17443000	0.001	8.20	20.00	LINR	
gamma-BHC	5.3e-002	5.e-002	15670000	0.001	6.00	20.00	LINR	
Heptachlor	6.09e-002	5.e-002	12939000	0.001	21.80	20.00	LINR	<-
beta-BHC	5.13e-002	5.e-002	6378700.0	0.001	2.60	20.00	LINR	
Aldrin	5.13e-002	5.e-002	12564000	0.001	2.60	20.00	LINR	
delta-BHC	6.25e-002	5.e-002	13754000	0.001	25.00	20.00	LINR	<-
Heptachlor Epoxide	5.17e-002	5.e-002	11215000	0.001	3.40	20.00	LINR	
Endosulfan I	5.12e-002	5.e-002	9754200.0	0.001	2.40	20.00	LINR	
4,4'-DDE	5.07e-002	5.e-002	10724000	0.001	1.40	20.00	LINR	
Dieldrin	5.04e-002	5.e-002	10449000	0.001	0.80	20.00	LINR	
Endrin	5.12e-002	5.e-002	8950100.0	0.001	2.40	20.00	LINR	
4,4'-DDD	5.29e-002	5.e-002	8232800.0	0.001	5.80	20.00	LINR	
Endosulfan II	5.14e-002	5.e-002	8394400.0	0.001	2.80	20.00	LINR	
4,4'-DDT	5.69e-002	5.e-002	8593000.0	0.001	13.80	20.00	LINR	
Endrin Aldehyde	5.23e-002	5.e-002	6205400.0	0.001	4.60	20.00	LINR	
Endosulfan sulfate	6.07e-002	5.e-002	6970200.0	0.001	21.40	20.00	LINR	<-
Methoxychlor	5.92e-002	5.e-002	3948600.0	0.001	18.40	20.00	LINR	
alpha-Chlordane	5.14e-002	5.e-002	10118000	0.001	2.80	20.00	LINR	
gamma-Chlordane	5.13e-002	5.e-002	10778000	0.001	2.60	20.00	LINR	
Endrin Ketone	6.59e-002	5.e-002	8276600.0	0.001	31.80	20.00	LINR	<-
Tetrachloro-m-Xylene	5.2e-002	5.e-002	11744000	0.001	4.00	20.00	LINR	
Decachlorobiphenyl	5.32e-002	5.e-002	4630800.0	0.001	6.40	20.00	LINR	

FORM VII PEST

Data File: 1EE02390.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02390.D
Lab Smp Id: INDAB 0.05
Inj Date : 26-MAY-2011 10:40
Operator : JLP Inst ID: gc01.i
Smp Info : INDAB 0.05
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12

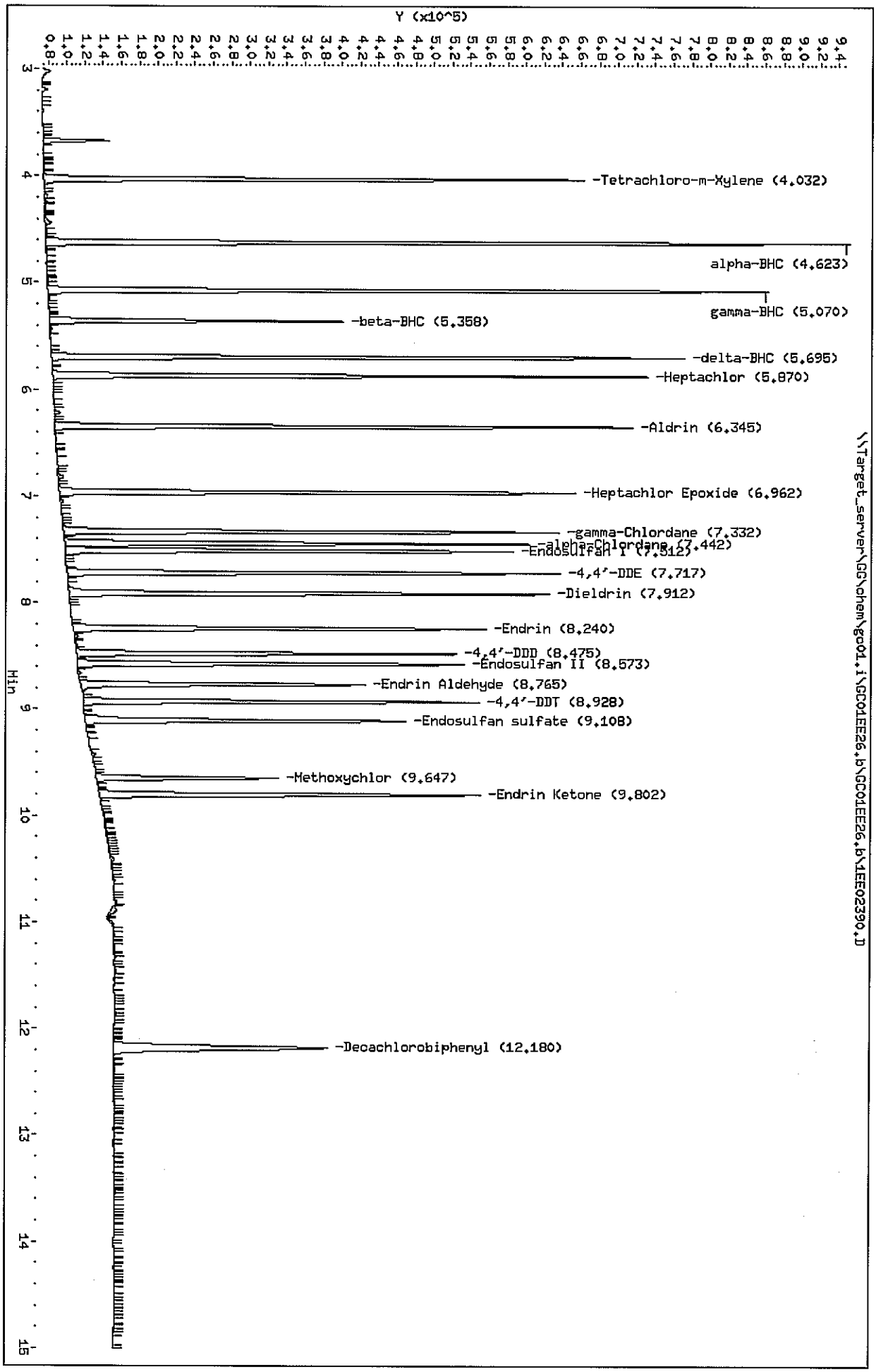
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.031	4.030	0.001	587229	0.05000	0.0520	
5 alpha-BHC	4.623	4.623	0.000	872153	0.05000	0.0541	
6 gamma-BHC	5.070	5.070	0.000	783524	0.05000	0.0530	
7 beta-BHC	5.358	5.356	0.002	318935	0.05000	0.0513	
8 delta-BHC	5.695	5.695	0.000	687727	0.05000	0.0625	
9 Heptachlor	5.870	5.868	0.002	646943	0.05000	0.0609	
10 Aldrin	6.345	6.345	0.000	628218	0.05000	0.0513	
13 Heptachlor Epoxide	6.961	6.961	0.000	560761	0.05000	0.0517	
15 gamma-Chlordane	7.331	7.330	0.001	538920	0.05000	0.0513	
17 alpha-Chlordane	7.441	7.441	0.000	505875	0.05000	0.0514	
19 4,4'-DDE	7.716	7.716	0.000	536191	0.05000	0.0507	
20 Endosulfan I	7.511	7.510	0.001	487712	0.05000	0.0512	
21 Dieldrin	7.911	7.910	0.001	522431	0.05000	0.0504	
23 Endrin	8.240	8.240	0.000	447507	0.05000	0.0512	
24 4,4'-DDD	8.475	8.475	0.000	411639	0.05000	0.0529	
26 Endosulfan II	8.573	8.573	0.000	419722	0.05000	0.0514	
27 4,4'-DDT	8.928	8.926	0.002	429648	0.05000	0.0568	
28 Endrin Aldehyde	8.765	8.765	0.000	310268	0.05000	0.0523	
29 Methoxychlor	9.646	9.646	0.000	197432	0.05000	0.0592	
32 Endosulfan sulfate	9.108	9.106	0.002	348508	0.05000	0.0607	
33 Endrin Ketone	9.801	9.801	0.000	413830	0.05000	0.0659	
$ 34 Decachlorobiphenyl	12.180	12.180	0.000	231541	0.05000	0.0532	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02390.D
Date : 26-MAY-2011 10:40
Client ID:
Sample Info: IMDAB 0.05
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1104

Lab File ID: 1EE02391 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Toxaphene	0.8724500	1.0000000	62366.000	0.001	-12.76	20.00	LINR
(2)	0.9039500	1.0000000	58400.000	0.001	-9.60	20.00	LINR
(3)	1.0000000	1.0000000	129980.00	0.001	0.00	20.00	LINR
(4)	0.9990400	1.0000000	88439.000	0.001	-0.10	20.00	LINR
(5)	0.9635200	1.0000000	80653.000	0.001	-3.65	20.00	LINR
(6)	1.0241000	1.0000000	198920.00	0.001	2.41	20.00	LINR
(7)	1.0161000	1.0000000	73758.000	0.001	1.61	20.00	LINR
(8)	1.0154000	1.0000000	94358.000	0.001	1.54	20.00	LINR
(9)	1.0095000	1.0000000	116890.00	0.001	0.95	20.00	LINR
(10)	1.1370000	1.0000000	97687.000	0.001	13.70	20.00	LINR

FORM VII PEST

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02391.D
Report Date: 08-Jun-2011 13:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02391.D
Lab Smp Id: TOX 1.0
Inj Date : 26-MAY-2011 11:04
Operator : JLP Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

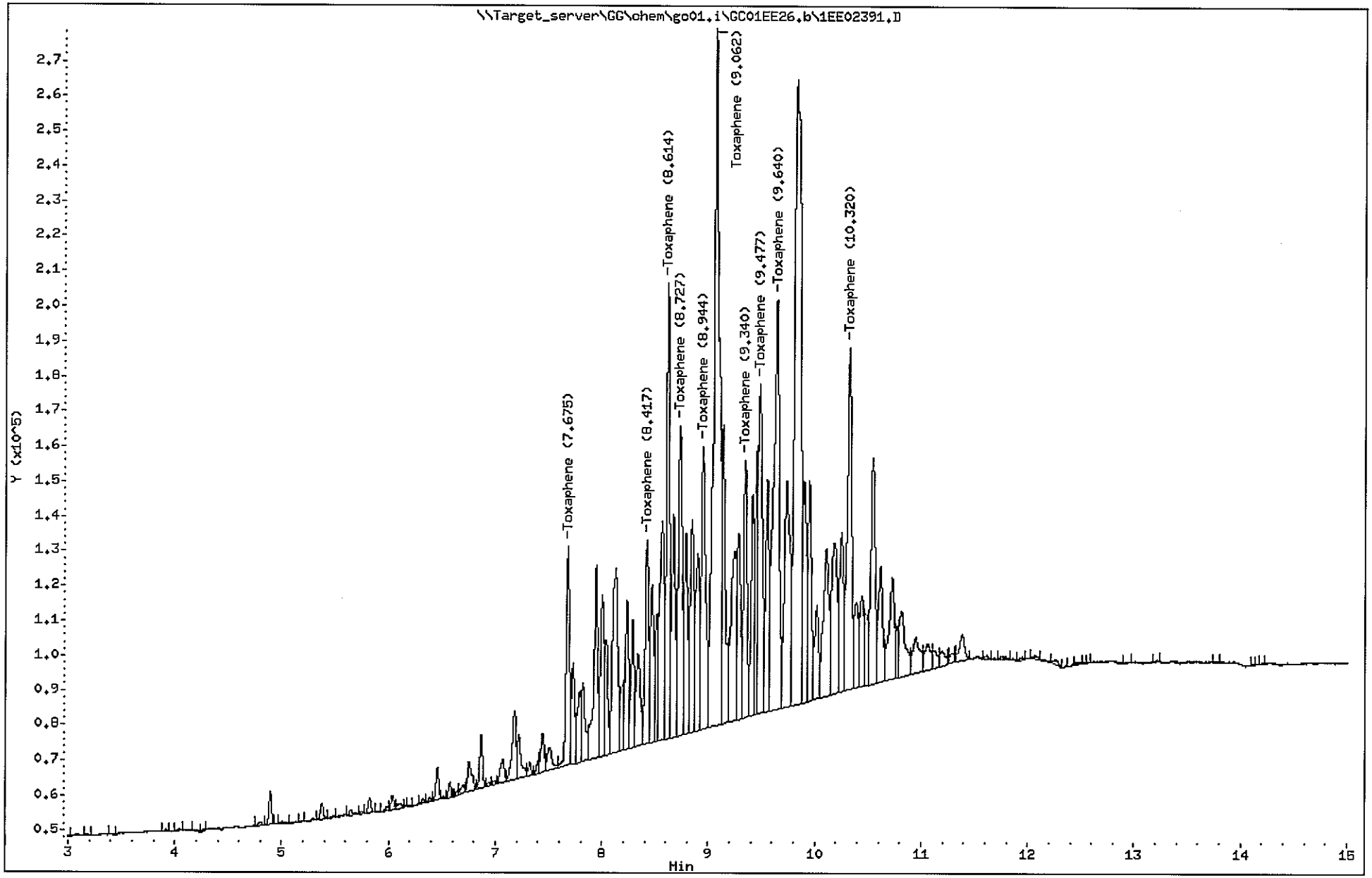
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.675	7.667	0.008	62366	1.00000	0.872	80.00- 120.00	100.00	
8.417	8.410	0.007	58400	1.00000	0.904	76.86- 115.29	93.64	
8.613	8.605	0.008	129975	1.00000	1.00	164.85- 247.27	208.41	
8.727	8.720	0.007	88439	1.00000	0.999	117.08- 175.62	141.81	
8.943	8.937	0.006	80653	1.00000	0.964	109.01- 163.52	129.32	
9.062	9.055	0.007	198917	1.00000	1.02	259.26- 388.89	318.95	
9.340	9.335	0.005	73758	1.00000	1.02	94.93- 142.39	118.27	
9.477	9.469	0.008	94358	1.00000	1.02	119.56- 179.35	151.30	
9.640	9.634	0.006	116891	1.00000	1.01	148.51- 222.76	187.43	
10.320	10.315	0.005	97687	1.00000	1.14	119.41- 179.12	156.64	

Average of Peak Amounts = 0.99490

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02391.D
Date : 26-MAY-2011 11:04
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000151

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1104

Lab File ID: 1EE02391 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Toxaphene	1.0898000	1.0000000	146400.00	0.001	8.98	20.00	LINR	
(2)	1.0054000	1.0000000	106950.00	0.001	0.54	20.00	LINR	
(3)	1.0533000	1.0000000	208440.00	0.001	5.33	20.00	LINR	
(4)	1.0501000	1.0000000	188310.00	0.001	5.01	20.00	LINR	
(5)	1.0840000	1.0000000	297470.00	0.001	8.40	20.00	LINR	
(6)	1.0936000	1.0000000	212590.00	0.001	9.36	20.00	LINR	
(7)	1.1392000	1.0000000	159830.00	0.001	13.92	20.00	LINR	
(8)	1.1675000	1.0000000	363530.00	0.001	16.75	20.00	LINR	
(9)	1.0677000	1.0000000	213400.00	0.001	6.77	20.00	LINR	
(10)	1.2460000	1.0000000	150710.00	0.001	24.60	20.00	LINR	<-

FORM VII PEST

Data File: 1EE02391.D
Report Date: 08-Jun-2011 13:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02391.D
Lab Smp Id: TOX 1.0
Inj Date : 26-MAY-2011 11:04
Operator : JLP Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

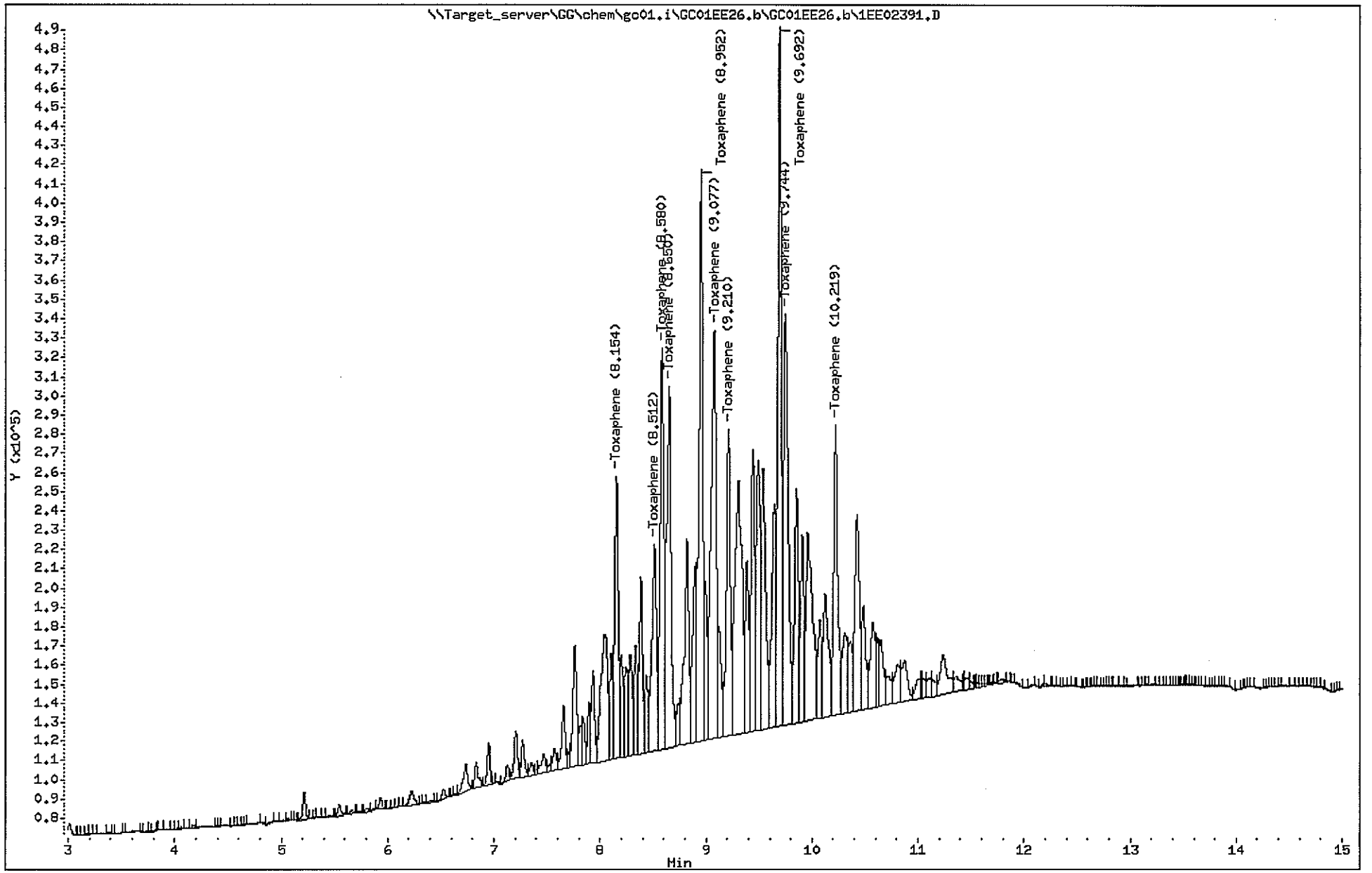
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.153	8.159	-0.006	146405	1.00000	1.09	80.00- 120.00	100.00	
8.512	8.517	-0.005	106953	1.00000	1.00	61.17- 91.76	73.05	
8.580	8.585	-0.005	208442	1.00000	1.05	115.73- 173.60	142.37	
8.650	8.655	-0.005	188308	1.00000	1.05	106.15- 159.23	128.62	
8.952	8.955	-0.003	297473	1.00000	1.08	160.48- 240.73	203.19	
9.077	9.084	-0.007	212589	1.00000	1.09	117.68- 176.52	145.21	
9.210	9.215	-0.005	159833	1.00000	1.14	83.61- 125.41	109.17	
9.692	9.695	-0.003	363530	1.00000	1.17	191.06- 286.59	248.30	
9.743	9.747	-0.004	213401	1.00000	1.07	114.81- 172.22	145.76	
10.218	10.222	-0.004	150710	1.00000	1.25	76.66- 114.99	102.94	

Average of Peak Amounts = 1.09900

Data File: \\Target_server\GG\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02391.D
Date : 26-MAY-2011 11:04
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000154

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1122

Lab File ID: 1EE02392 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.4984300	0.5000000	811960.00	0.001	-0.31	20.00	LINR
(2)	0.5033800	0.5000000	685050.00	0.001	0.68	20.00	LINR

FORM VII PEST

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02392.D
Report Date: 08-Jun-2011 13:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02392.D
Lab Smp Id: TC 0.5
Inj Date : 26-MAY-2011 11:22
Operator : JLP Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

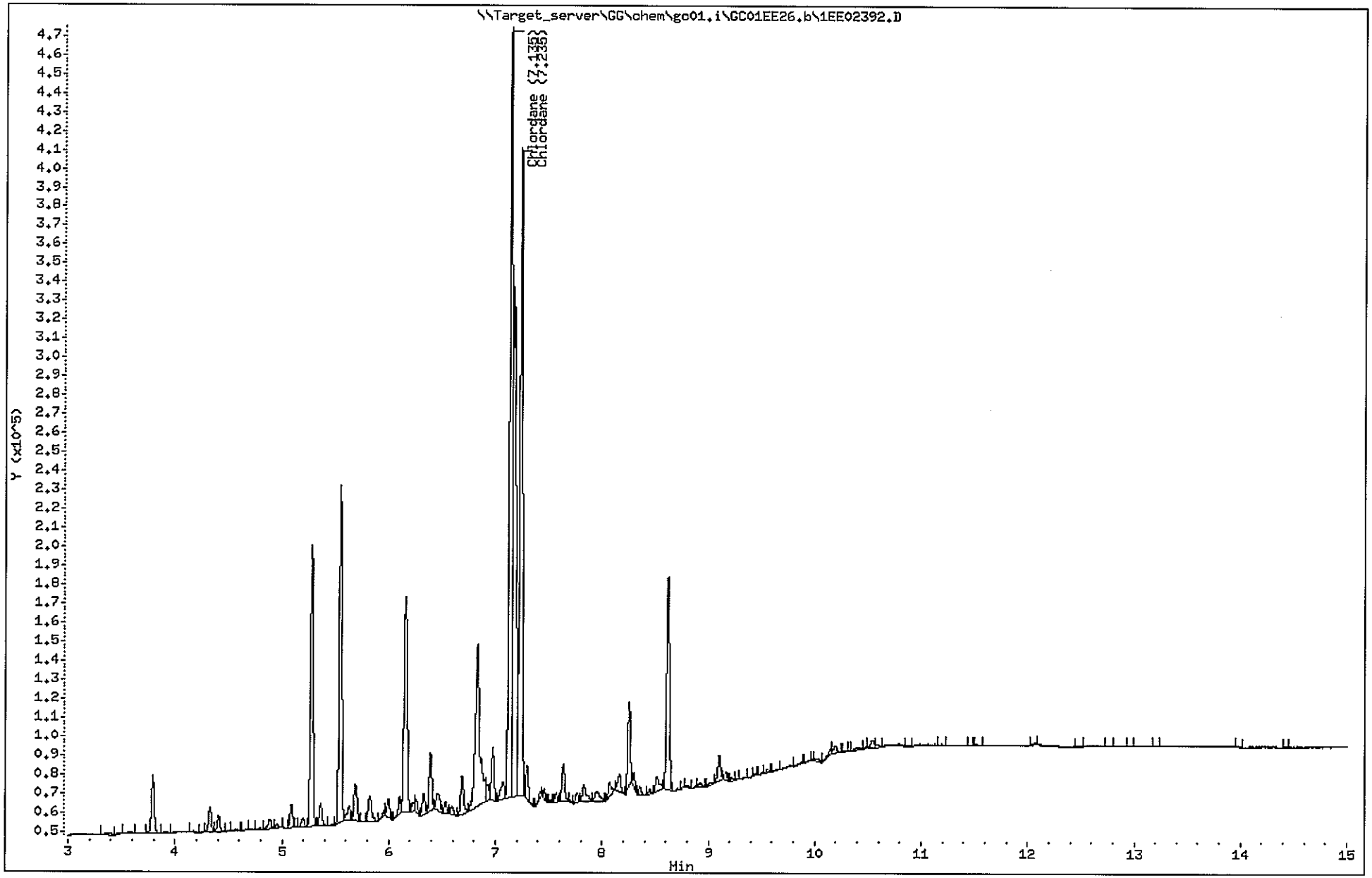
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.134	7.133	0.001	405978	0.50000	0.498	80.00- 120.00	100.00	
7.234	7.233	0.001	342524	0.50000	0.503	66.73- 100.09	84.37	
Average of Peak Amounts =					0.50050			

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02392.D
Date : 26-MAY-2011 11:22
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000157

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1122

Lab File ID: 1EE02392 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.5394200	0.5000000	1446500.0	0.001	7.88	20.00	LINR
(2)	0.5477900	0.5000000	1491100.0	0.001	9.56	20.00	LINR

FORM VII PEST

Data File: 1EE02392.D
Report Date: 08-Jun-2011 13:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02392.D
Lab Smp Id: TC 0.5
Inj Date : 26-MAY-2011 11:22
Operator : JLP Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

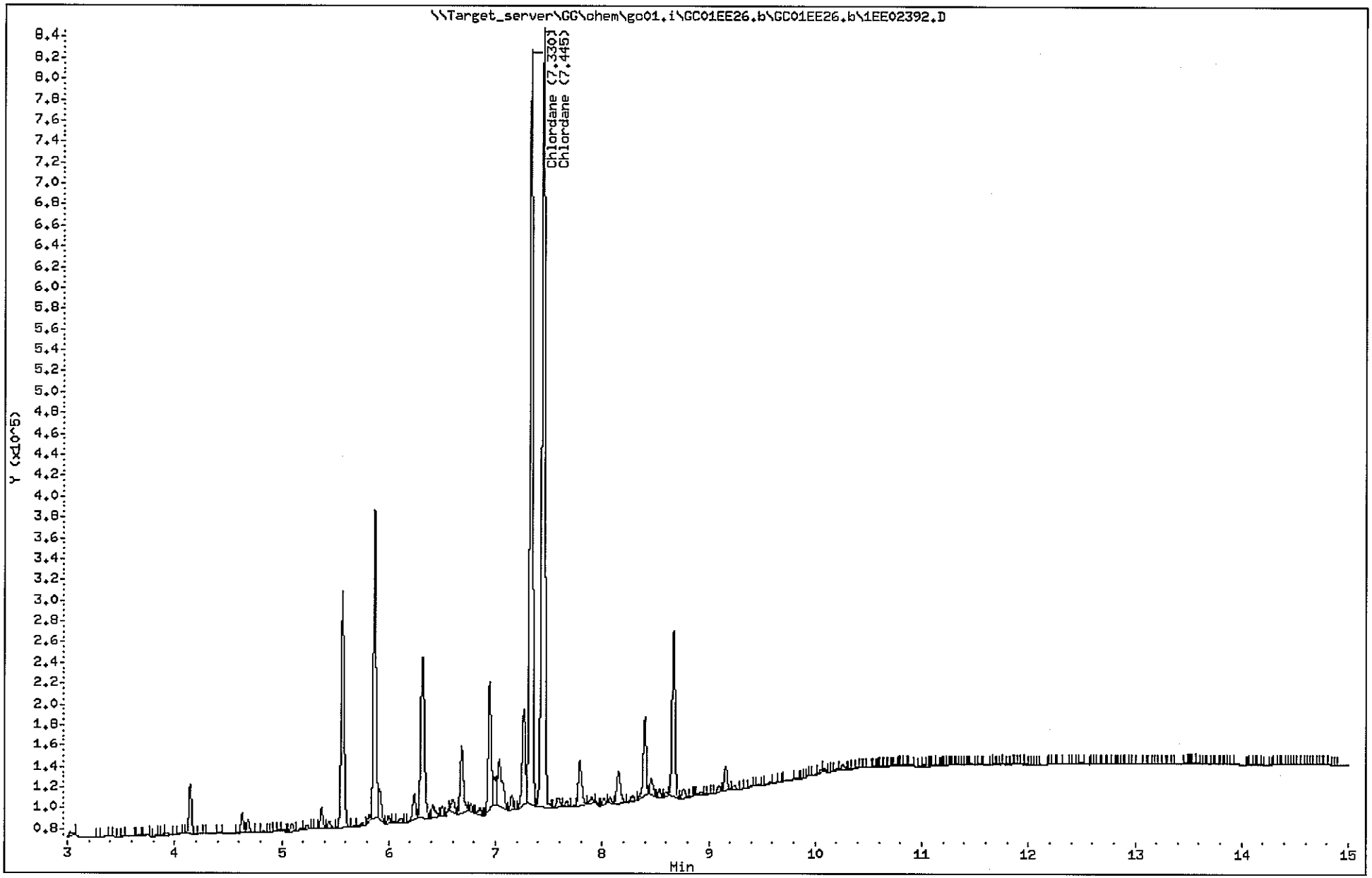
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.329	7.331	-0.002	723274	0.50000	0.539	80.00- 120.00	100.00	
7.444	7.444	0.000	745571	0.50000	0.548	81.69- 122.53	103.08	
Average of Peak Amounts =					0.54350			

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02392.D
Date : 26-MAY-2011 11:22
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000160

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1532

Lab File ID: 1EE02405 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	2.59e-002	2.5e-002	11984000	0.001	3.60	20.00	LINR	
gamma-BHC	2.59e-002	2.5e-002	11061000	0.001	3.60	20.00	LINR	
Heptachlor	2.76e-002	2.5e-002	7786800.0	0.001	10.40	20.00	LINR	
beta-BHC	2.58e-002	2.5e-002	4484800.0	0.001	3.20	20.00	LINR	
Aldrin	2.51e-002	2.5e-002	8784300.0	0.001	0.40	20.00	LINR	
delta-BHC	2.87e-002	2.5e-002	8522200.0	0.001	14.80	20.00	LINR	
Heptachlor Epoxide	2.49e-002	2.5e-002	7831000.0	0.001	-0.40	20.00	LINR	
Endosulfan I	2.52e-002	2.5e-002	6786000.0	0.001	0.80	20.00	LINR	
4,4'-DDE	2.44e-002	2.5e-002	7281800.0	0.001	-2.40	20.00	LINR	
Dieldrin	2.5e-002	2.5e-002	7325000.0	0.001	0.00	20.00	LINR	
Endrin	2.57e-002	2.5e-002	6174900.0	0.001	2.80	20.00	LINR	
4,4'-DDD	2.65e-002	2.5e-002	5627100.0	0.001	6.00	20.00	LINR	
Endosulfan II	2.55e-002	2.5e-002	5852800.0	0.001	2.00	20.00	LINR	
4,4'-DDT	2.88e-002	2.5e-002	5731500.0	0.001	15.20	20.00	LINR	
Endrin Aldehyde	2.72e-002	2.5e-002	4421200.0	0.001	8.80	20.00	LINR	
Endosulfan sulfate	2.84e-002	2.5e-002	4112600.0	0.001	13.60	20.00	LINR	
Methoxychlor	3.17e-002	2.5e-002	2731000.0	0.001	26.80	20.00	LINR	<-
alpha-Chlordane	2.56e-002	2.5e-002	7215100.0	0.001	2.40	20.00	LINR	
gamma-Chlordane	2.48e-002	2.5e-002	7453300.0	0.001	-0.80	20.00	LINR	
Endrin Ketone	3.06e-002	2.5e-002	5430200.0	0.001	22.40	20.00	LINR	<-
Tetrachloro-m-Xylene	2.56e-002	2.5e-002	7855200.0	0.001	2.40	20.00	LINR	
Decachlorobiphenyl	2.62e-002	2.5e-002	3368900.0	0.001	4.80	20.00	LINR	

FORM VII PEST

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02405.D
Report Date: 08-Jun-2011 13:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02405.D
Lab Smp Id: INDAB 0.025
Inj Date : 26-MAY-2011 15:32
Operator : JLP Inst ID: gc01.i
Smp Info : INDAB 0.025
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T5

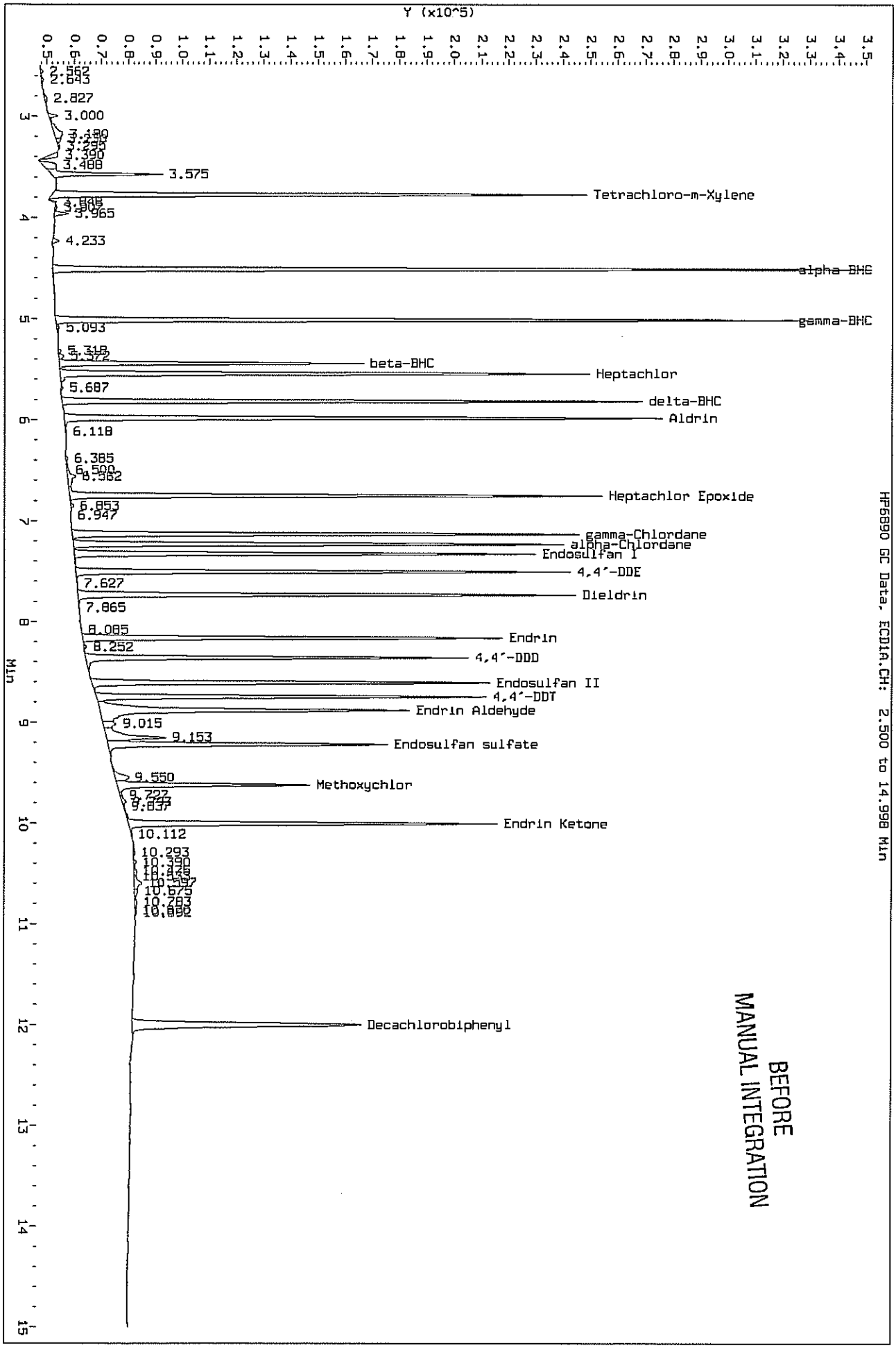
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

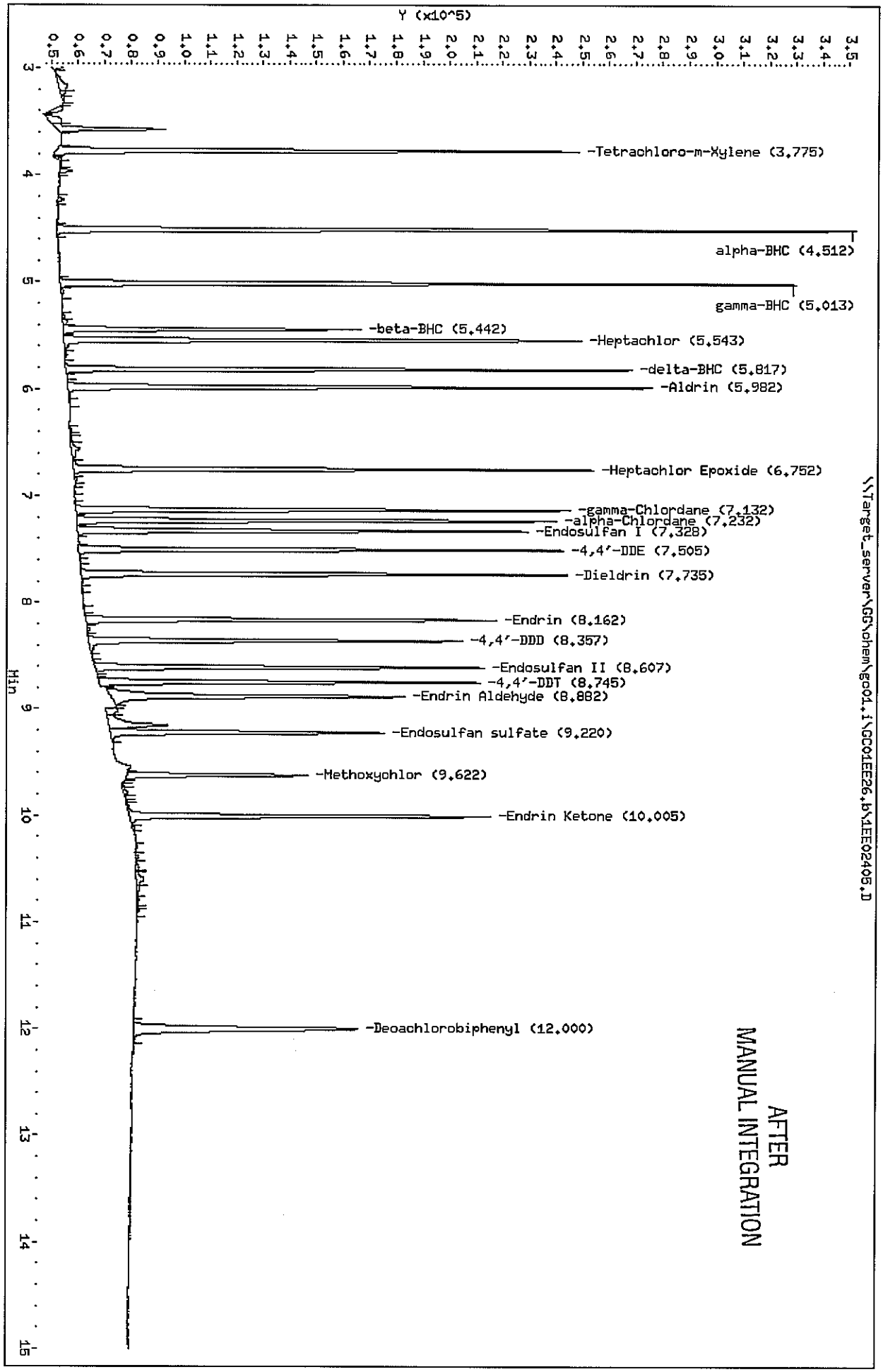
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.775	3.776	-0.001	196380	0.05000	0.0256	
5 alpha-BHC	4.511	4.513	-0.002	299597	0.05000	0.0258	
6 gamma-BHC	5.013	5.013	0.000	276525	0.05000	0.0259(a)	
7 beta-BHC	5.441	5.443	-0.002	112121	0.05000	0.0258	
8 delta-BHC	5.816	5.816	0.000	213054	0.05000	0.0287	
9 Heptachlor	5.543	5.545	-0.002	194670	0.05000	0.0276	
10 Aldrin	5.981	5.983	-0.002	219607	0.05000	0.0251	
13 Heptachlor Epoxide	6.751	6.751	0.000	195775	0.05000	0.0249	
15 gamma-Chlordane	7.131	7.133	-0.002	186333	0.05000	0.0248	
17 alpha-Chlordane	7.231	7.233	-0.002	180378	0.05000	0.0256	
19 4,4'-DDE	7.505	7.506	-0.001	182045	0.05000	0.0244	
20 Endosulfan I	7.328	7.328	0.000	169651	0.05000	0.0252	
21 Dieldrin	7.735	7.735	0.000	183126	0.05000	0.0250	
23 Endrin	8.161	8.163	-0.002	154372	0.05000	0.0257	
24 4,4'-DDD	8.356	8.360	-0.004	140678	0.05000	0.0265	
26 Endosulfan II	8.606	8.608	-0.002	146320	0.05000	0.0255	
27 4,4'-DDT	8.745	8.748	-0.003	143288	0.05000	0.0288	
28 Endrin Aldehyde	8.881	8.883	-0.002	110530	0.05000	0.0272(M)	
29 Methoxychlor	9.621	9.623	-0.002	68274	0.05000	0.0317(M)	
32 Endosulfan sulfate	9.220	9.221	-0.001	102815	0.05000	0.0284	
33 Endrin Ketone	10.005	10.006	-0.001	135756	0.05000	0.0306	
$ 34 Decachlorobiphenyl	12.000	12.001	-0.001	84222	0.05000	0.0262	

MZ
CB 6/8/11

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\1EE02405.D
Injection Date: 26-MAY-2011 15:32
Instrument: gc01.i
Client Sample ID:



BEFORE
MANUAL INTEGRATION


Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02405.D
Date : 26-MAY-2011 15:32
Client ID:
Sample Info: IWDAB 0.025
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2
Instrument: go01.i
Operator: JLP
Column diameter: 0.53
Y (x10^5)
Min
-Tetrachloro-m-Xylene (3.775)
alpha-BHC (4.512)
gamma-BHC (5.013)
-beta-BHC (5.442)
-Heptachlor (5.543)
-delta-BHC (5.817)
-Aldrin (5.982)
-Heptachlor Epoxide (6.752)
-gamma-Chlordane (7.132)
-alpha-Chlordane (7.232)
-Endosulfan I (7.328)
-4,4'-DDE (7.505)
-Dieldrin (7.735)
-Endrin (8.162)
-4,4'-DDD (8.357)
-Endosulfan II (8.607)
-4,4'-DDT (8.745)
-Endrin Aldehyde (8.882)
-Endosulfan sulfate (9.220)
-Methoxychlor (9.622)
-Endrin Ketone (10.005)
-Deoachlorobiphenyl (12.000)
\\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02405.D
AFTER
MANUAL INTEGRATION

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1532

Lab File ID: 1EE02405 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1649 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	2.78e-002	2.5e-002	17975000	0.001	11.20	20.00	LINR	
gamma-BHC	2.76e-002	2.5e-002	16404000	0.001	10.40	20.00	LINR	
Heptachlor	3.04e-002	2.5e-002	12823000	0.001	21.60	20.00	LINR	<-
beta-BHC	2.7e-002	2.5e-002	6703400.0	0.001	8.00	20.00	LINR	
Aldrin	2.68e-002	2.5e-002	12999000	0.001	7.20	20.00	LINR	
delta-BHC	3.1e-002	2.5e-002	13018000	0.001	24.00	20.00	LINR	<-
Heptachlor Epoxide	2.67e-002	2.5e-002	11474000	0.001	6.80	20.00	LINR	
Endosulfan I	2.65e-002	2.5e-002	9992000.0	0.001	6.00	20.00	LINR	
4,4'-DDE	2.7e-002	2.5e-002	11274000	0.001	8.00	20.00	LINR	
Dieldrin	2.65e-002	2.5e-002	10793000	0.001	6.00	20.00	LINR	
Endrin	2.72e-002	2.5e-002	9349900.0	0.001	8.80	20.00	LINR	
4,4'-DDD	2.75e-002	2.5e-002	8355300.0	0.001	10.00	20.00	LINR	
Endosulfan II	2.71e-002	2.5e-002	8631800.0	0.001	8.40	20.00	LINR	
4,4'-DDT	2.9e-002	2.5e-002	8485400.0	0.001	16.00	20.00	LINR	
Endrin Aldehyde	2.85e-002	2.5e-002	6558600.0	0.001	14.00	20.00	LINR	
Endosulfan sulfate	2.91e-002	2.5e-002	6277000.0	0.001	16.40	20.00	LINR	
Methoxychlor	3.16e-002	2.5e-002	4150700.0	0.001	26.40	20.00	LINR	<-
alpha-Chlordane	2.71e-002	2.5e-002	10565000	0.001	8.40	20.00	LINR	
gamma-Chlordane	2.73e-002	2.5e-002	11239000	0.001	9.20	20.00	LINR	
Endrin Ketone	3.27e-002	2.5e-002	7770000.0	0.001	30.80	20.00	LINR	<-
Tetrachloro-m-Xylene	2.67e-002	2.5e-002	12160000	0.001	6.80	20.00	LINR	
Decachlorobiphenyl	2.85e-002	2.5e-002	4912800.0	0.001	14.00	20.00	LINR	

FORM VII PEST

Data File: 1EE02405.D
Report Date: 08-Jun-2011 13:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02405.D
Lab Smp Id: INDAB 0.025
Inj Date : 26-MAY-2011 15:32
Operator : JLP Inst ID: gc01.i
Smp Info : INDAB 0.025
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 06-Jun-2011 11:38 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T5

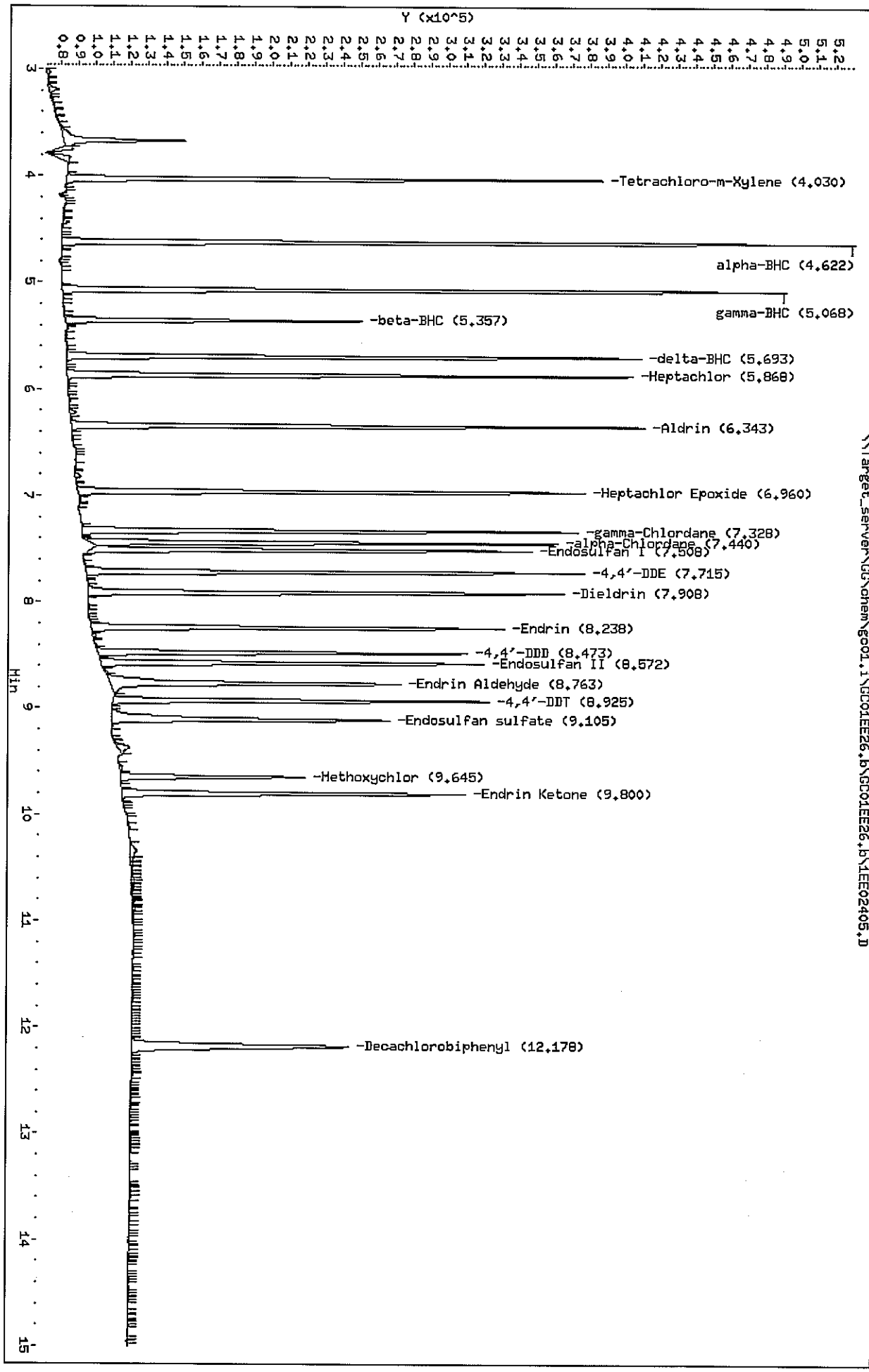
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.030	4.030	0.000	304009	0.05000	0.0267	
5 alpha-BHC	4.621	4.623	-0.002	449366	0.05000	0.0278	
6 gamma-BHC	5.068	5.070	-0.002	410108	0.05000	0.0276(a)	
7 beta-BHC	5.356	5.356	0.000	167586	0.05000	0.0270	
8 delta-BHC	5.693	5.695	-0.002	325445	0.05000	0.0310	
9 Heptachlor	5.868	5.868	0.000	320582	0.05000	0.0304	
10 Aldrin	6.343	6.345	-0.002	324985	0.05000	0.0268	
13 Heptachlor Epoxide	6.960	6.961	-0.001	286848	0.05000	0.0267	
15 gamma-Chlordane	7.328	7.330	-0.002	280966	0.05000	0.0273	
17 alpha-Chlordane	7.440	7.441	-0.001	264115	0.05000	0.0271	
19 4,4'-DDE	7.715	7.716	-0.001	281860	0.05000	0.0270	
20 Endosulfan I	7.508	7.510	-0.002	249799	0.05000	0.0265	
21 Dieldrin	7.908	7.910	-0.002	269831	0.05000	0.0265	
23 Endrin	8.238	8.240	-0.002	233747	0.05000	0.0272	
24 4,4'-DDD	8.473	8.475	-0.002	208883	0.05000	0.0275	
26 Endosulfan II	8.571	8.573	-0.002	215795	0.05000	0.0271	
27 4,4'-DDT	8.925	8.926	-0.001	212136	0.05000	0.0290	
28 Endrin Aldehyde	8.763	8.765	-0.002	163966	0.05000	0.0285	
29 Methoxychlor	9.645	9.646	-0.001	103767	0.05000	0.0316	
32 Endosulfan sulfate	9.105	9.106	-0.001	156926	0.05000	0.0291	
33 Endrin Ketone	9.800	9.801	-0.001	194251	0.05000	0.0327	
$ 34 Decachlorobiphenyl	12.178	12.180	-0.002	122819	0.05000	0.0285	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02405.D
Date : 26-MAY-2011 15:32
Client ID:
Sample Info: INDAB 0.025
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1549

Lab File ID: 1EE02406 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Toxaphene	0.9164000	1.0000000	65557.000	0.001	-8.36	20.00	LINR
(2)	0.9695500	1.0000000	62982.000	0.001	-3.04	20.00	LINR
(3)	1.0363000	1.0000000	135090.00	0.001	3.63	20.00	LINR
(4)	1.0758000	1.0000000	95944.000	0.001	7.58	20.00	LINR
(5)	1.0563000	1.0000000	89330.000	0.001	5.63	20.00	LINR
(6)	1.0903000	1.0000000	212450.00	0.001	9.03	20.00	LINR
(7)	1.0652000	1.0000000	77790.000	0.001	6.52	20.00	LINR
(8)	1.0503000	1.0000000	97978.000	0.001	5.03	20.00	LINR
(9)	1.0468000	1.0000000	121700.00	0.001	4.68	20.00	LINR
(10)	1.1388000	1.0000000	97853.000	0.001	13.88	20.00	LINR

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02406.D
Report Date: 08-Jun-2011 13:53

Katahdin Analytical Services

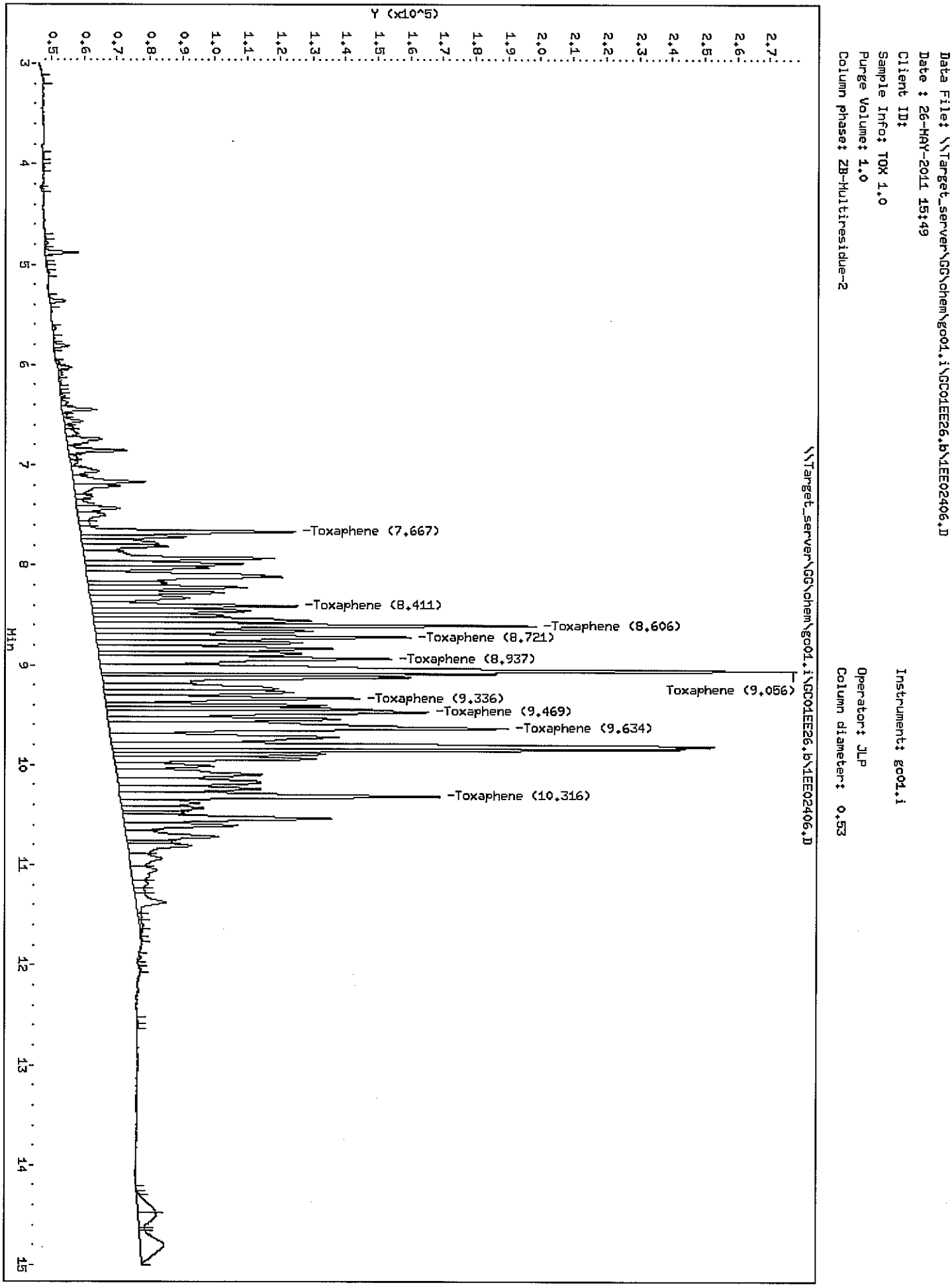
Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02406.D
Lab Smp Id: TOX 1.0
Inj Date : 26-MAY-2011 15:49
Operator : JLP Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.667	7.667	0.000	65557	1.00000	0.916	80.00- 120.00	100.00	
8.410	8.410	0.000	62982	1.00000	0.970	76.86- 115.29	96.07	
8.605	8.605	0.000	135087	1.00000	1.04	164.85- 247.27	206.06	
8.720	8.720	0.000	95944	1.00000	1.08	117.08- 175.62	146.35	
8.937	8.937	0.000	89330	1.00000	1.06	109.01- 163.52	136.26	
9.055	9.055	0.000	212454	1.00000	1.09	259.26- 388.89	324.08	
9.335	9.335	0.000	77790	1.00000	1.06	94.93- 142.39	118.66	
9.469	9.469	0.000	97978	1.00000	1.05	119.56- 179.35	149.45	
9.634	9.634	0.000	121696	1.00000	1.05	148.51- 222.76	185.63	
10.315	10.315	0.000	97853	1.00000	1.14	119.41- 179.12	149.26	

Average of Peak Amounts = 1.04560


Data File: \\Target_server\GC\chem\go1.i\GC01EE26.b\1EE02406.D
Date : 26-MAY-2011 15:49
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2
Instrument: go1.i
Operator: JLP
Column diameter: 0.53
\\Target_server\GC\chem\go1.i\GC01EE26.b\1EE02406.D
Y (x10^5)
Min
-Toxaphene (7.667)
-Toxaphene (8.411)
-Toxaphene (8.606)
-Toxaphene (8.721)
-Toxaphene (8.937)
Toxaphene (9.056)
-Toxaphene (9.336)
-Toxaphene (9.469)
-Toxaphene (9.634)
-Toxaphene (10.316)

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1549

Lab File ID: 1EE02406 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 1852 2019

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Toxaphene	1.1553000	1.0000000	155240.00	0.001	15.53	20.00	LINR	
(2)	1.1154000	1.0000000	118710.00	0.001	11.54	20.00	LINR	
(3)	1.1351000	1.0000000	224580.00	0.001	13.51	20.00	LINR	
(4)	1.1510000	1.0000000	206000.00	0.001	15.10	20.00	LINR	
(5)	1.1351000	1.0000000	311420.00	0.001	13.51	20.00	LINR	
(6)	1.1745000	1.0000000	228360.00	0.001	17.45	20.00	LINR	
(7)	1.1558000	1.0000000	162240.00	0.001	15.58	20.00	LINR	
(8)	1.1902000	1.0000000	370760.00	0.001	19.02	20.00	LINR	
(9)	1.1130000	1.0000000	222800.00	0.001	11.30	20.00	LINR	
(10)	1.2301000	1.0000000	148760.00	0.001	23.01	20.00	LINR	<-

FORM VII PEST

Data File: 1EE02406.D
Report Date: 08-Jun-2011 13:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02406.D
Lab Smp Id: TOX 1.0
Inj Date : 26-MAY-2011 15:49
Operator : JLP Inst ID: gc01.i
Smp Info : TOX 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

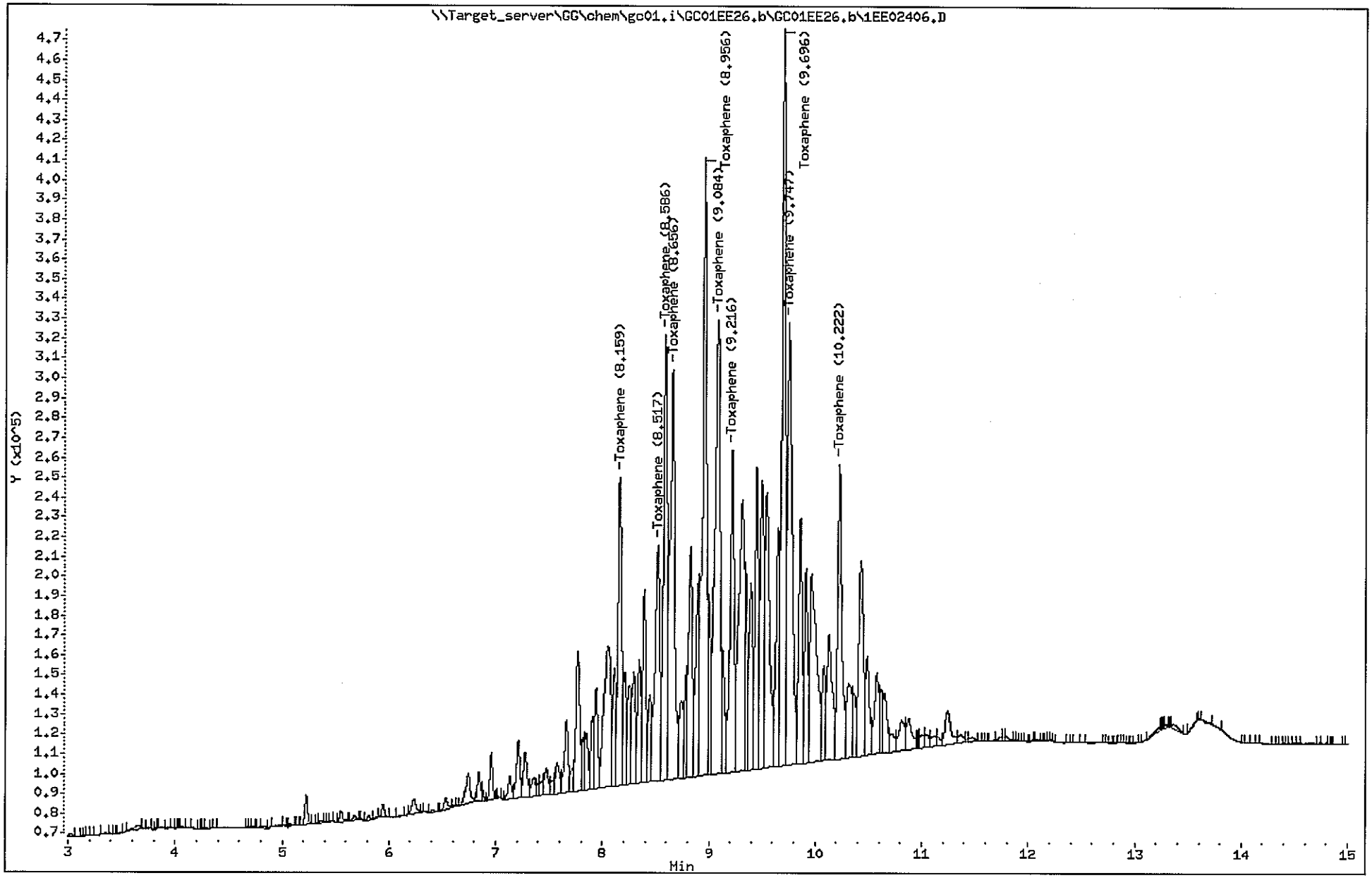
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
8.159	8.159	0.000	155242	1.00000	1.16	80.00- 120.00	100.00	
8.517	8.517	0.000	118706	1.00000	1.12	61.17- 91.76	76.47	
8.585	8.585	0.000	224581	1.00000	1.14	115.73- 173.60	144.67	
8.655	8.655	0.000	205996	1.00000	1.15	106.15- 159.23	132.69	
8.955	8.955	0.000	311422	1.00000	1.14	160.48- 240.73	200.60	
9.084	9.084	0.000	228360	1.00000	1.17	117.68- 176.52	147.10	
9.215	9.215	0.000	162244	1.00000	1.16	83.61- 125.41	104.51	
9.695	9.695	0.000	370759	1.00000	1.19	191.06- 286.59	238.83	
9.747	9.747	0.000	222796	1.00000	1.11	114.81- 172.22	143.52	
10.222	10.222	0.000	148761	1.00000	1.23	76.66- 114.99	95.83	

Average of Peak Amounts = 1.15700

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02406.D
Date : 26-MAY-2011 15:49
Client ID:
Sample Info: TOX 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000173

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1607

Lab File ID: 1EE02407 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.4975500	0.5000000	810450.00	0.001	-0.49	20.00	LINR
(2)	0.4970900	0.5000000	676000.00	0.001	-0.58	20.00	LINR

FORM VII PEST

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02407.D
Lab Smp Id: TC 0.5
Inj Date : 26-MAY-2011 16:07
Operator : JLP Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

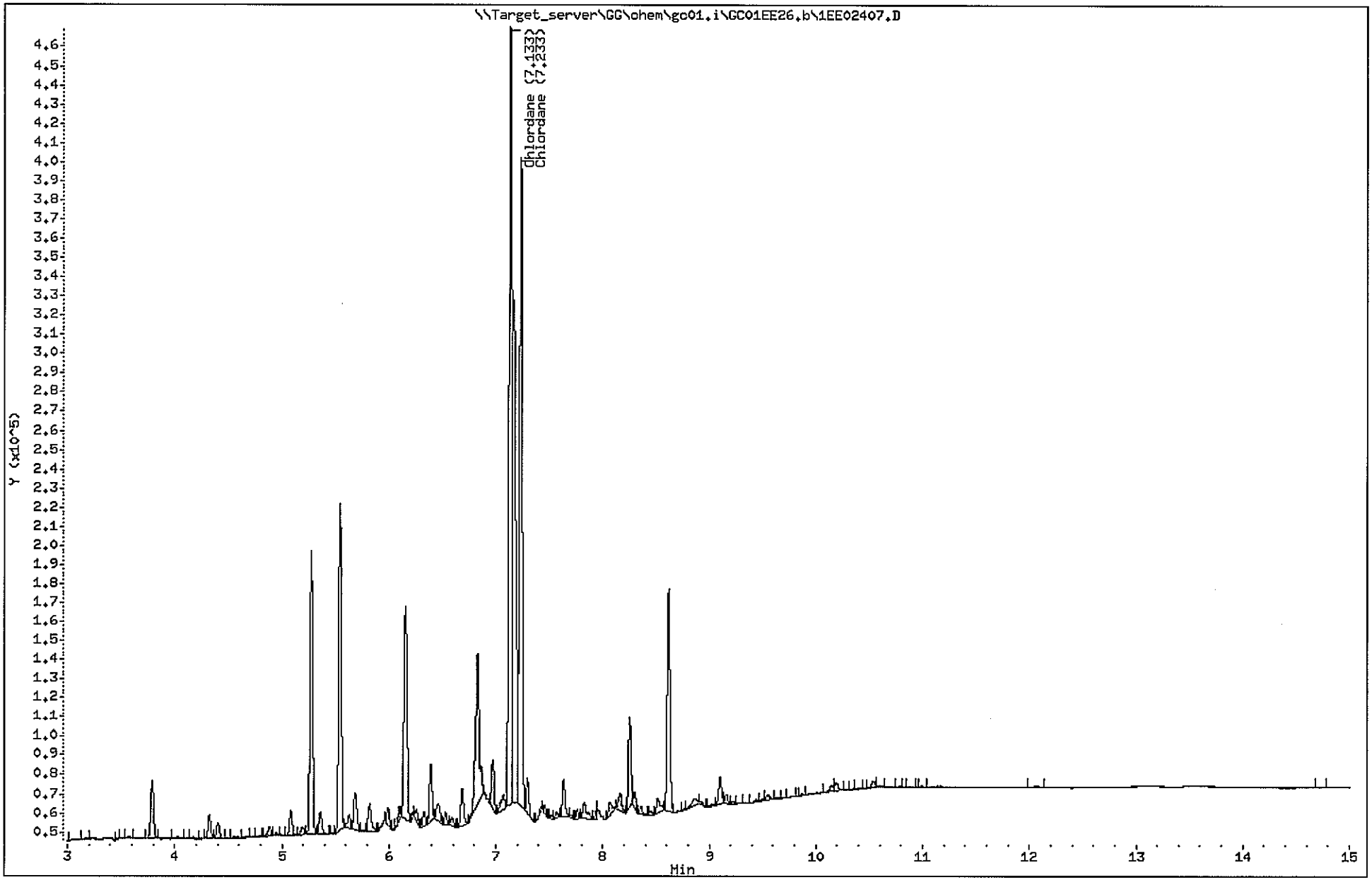
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.133	7.133	0.000	405225	0.50000	0.498	80.00- 120.00	100.00	
7.233	7.233	0.000	337998	0.50000	0.497	66.73- 100.09	83.41	
		Average of Peak Amounts =			0.49750			

Data File: \\Target_server\GC\ohem\gc01.i\GC01EE26.b\1EE02407.D
Date : 26-MAY-2011 16:07
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000176

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC01 Calibration Date: 05/26/11 Time: 1607

Lab File ID: 1EE02407 Init. Calib. Date(s): 05/13/11 05/13/11

Init. Calib. Times: 2036 2204

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chlordane	0.5623000	0.5000000	1509600.0	0.001	12.46	20.00	LINR
(2)	0.5659400	0.5000000	1541500.0	0.001	13.19	20.00	LINR

FORM VII PEST

Data File: 1EE02407.D
Report Date: 08-Jun-2011 13:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02407.D
Lab Smp Id: TC 0.5
Inj Date : 26-MAY-2011 16:07
Operator : JLP Inst ID: gc01.i
Smp Info : TC 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TC.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

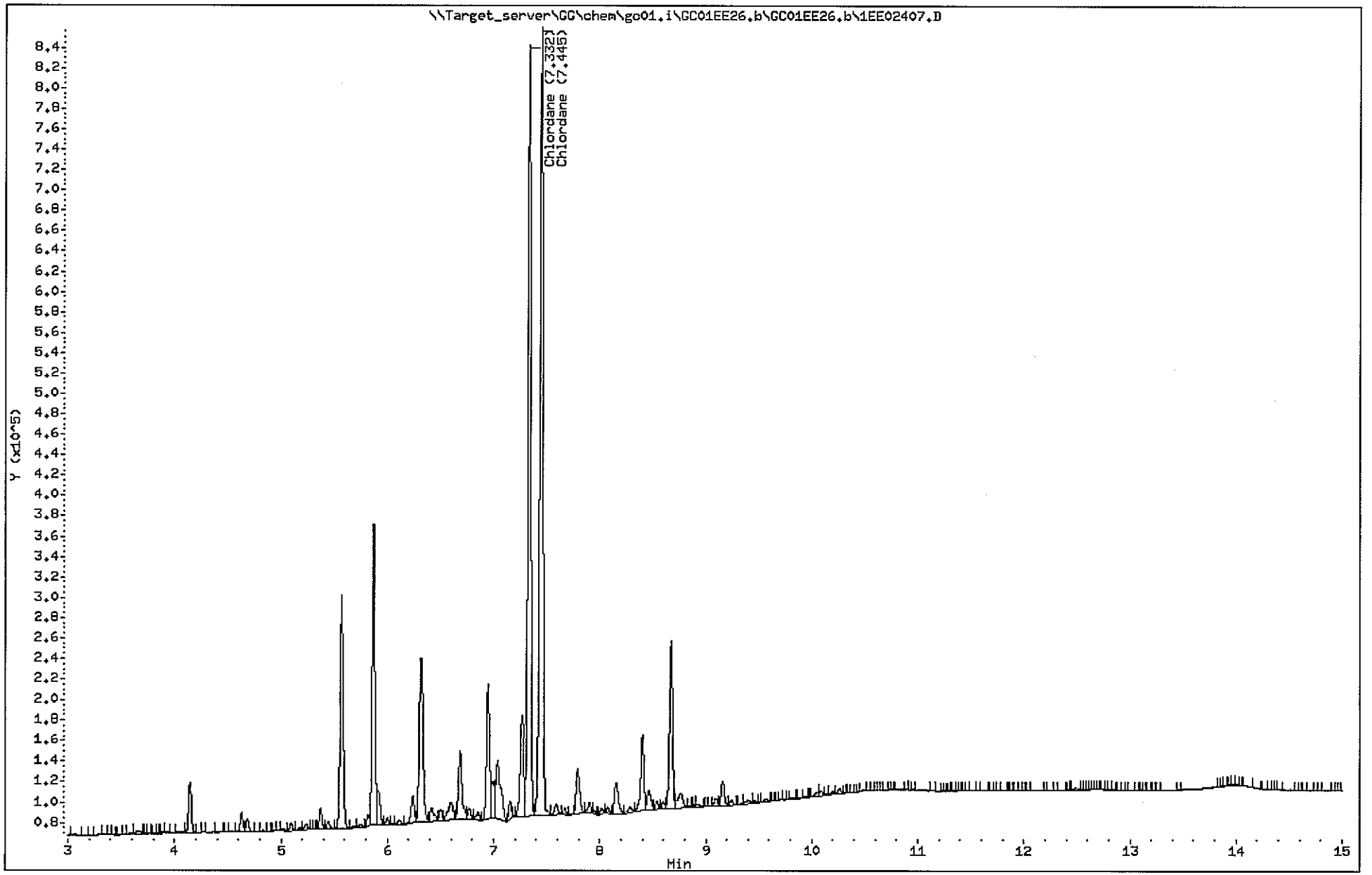
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
14 Chlordane					CAS #: 12789-03-6			
7.331	7.331	0.000	754813	0.50000	0.562	80.00- 120.00	100.00	
7.444	7.444	0.000	770749	0.50000	0.566	81.69- 122.53	102.11	
Average of Peak Amounts =					0.56400			

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02407.D
Date : 26-MAY-2011 16:07
Client ID:
Sample Info: TC 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000179

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91926-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.025	ug/L	1	.05	0.050	0.0072	0.025
Heptachlor	U	0.025	ug/L	1	.05	0.050	0.0080	0.025
Heptachlor Epoxide	U	0.025	ug/L	1	.05	0.050	0.0074	0.025
Endrin	U	0.050	ug/L	1	.1	0.10	0.0084	0.050
Methoxychlor	U	0.25	ug/L	1	.5	0.50	0.0084	0.25
Technical Chlordane	U	0.25	ug/L	1	.5	0.50	0.083	0.25
Toxaphene	U	0.50	ug/L	1	1	1.0	0.17	0.50
Tetrachloro-M-Xylene		86.8	%					
Decachlorobiphenyl		89.8	%					

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Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02397.D
Report Date: 08-Jun-2011 14:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02397.D
Lab Smp Id: WG91926-1 Client Smp ID: WG91926-Blank
Inj Date : 26-MAY-2011 13:12
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-1,SE2818
Misc Info : WG92108,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 14:00 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-SW8081.sub
Target Version: 4.12
Processing Host: V200T2

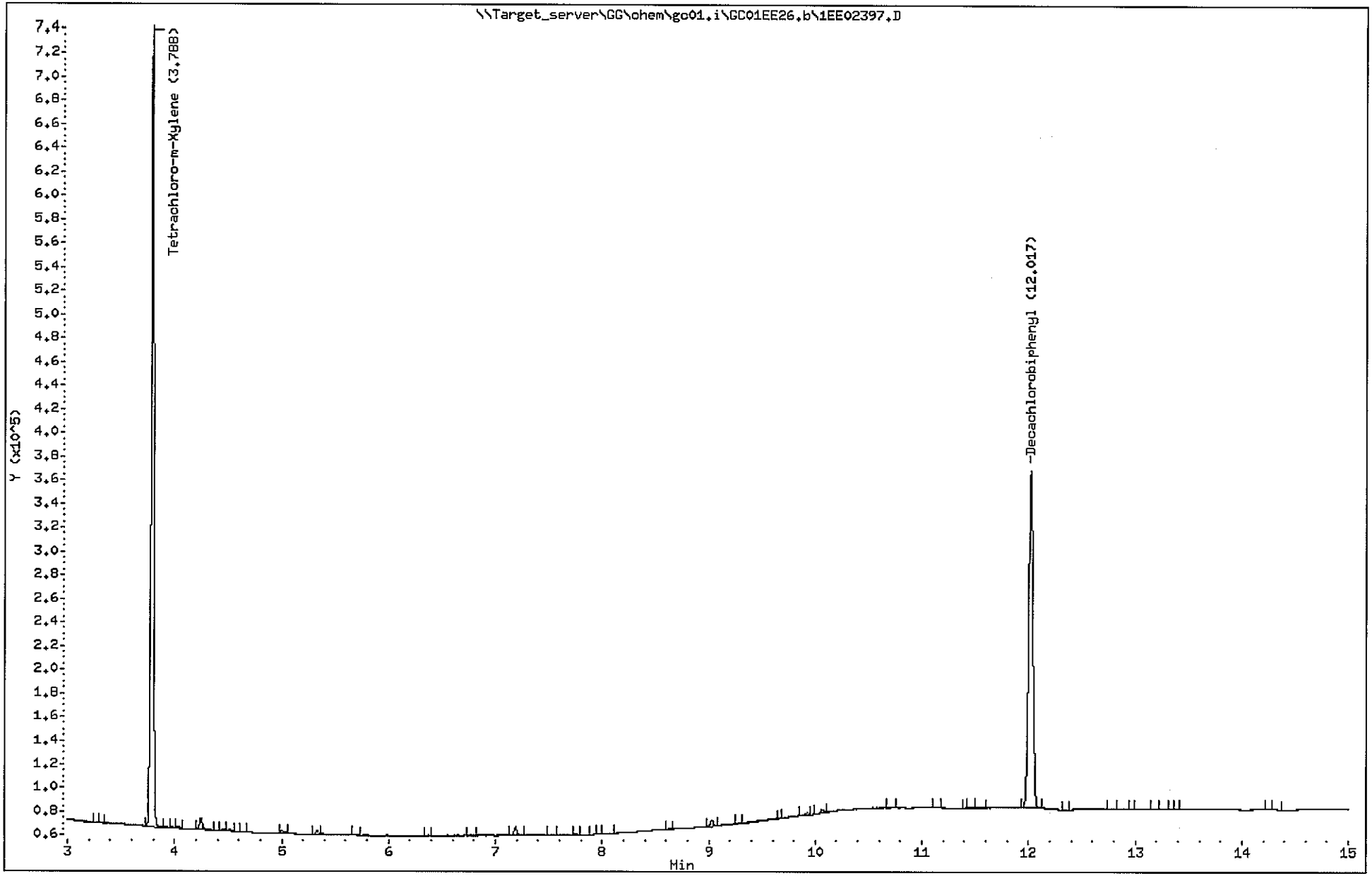
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	3.788	3.776	0.012	673635	0.08681	0.868	
$ 34 Decachlorobiphenyl	12.016	12.001	0.015	284327	0.08832	0.883	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\1EE02397.D
Date : 26-MAY-2011 13:12
Client ID: WG91926-Blank
Sample Info: WG91926-1,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000183

Data File: 1EE02397.D
Report Date: 08-Jun-2011 14:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02397.D
Lab Smp Id: WG91926-1 Client Smp ID: WG91926-Blank
Inj Date : 26-MAY-2011 13:12
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-1,SE2818
Misc Info : WG92108,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 14:01 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-SW8081.sub
Target Version: 4.12
Processing Host: V200T2

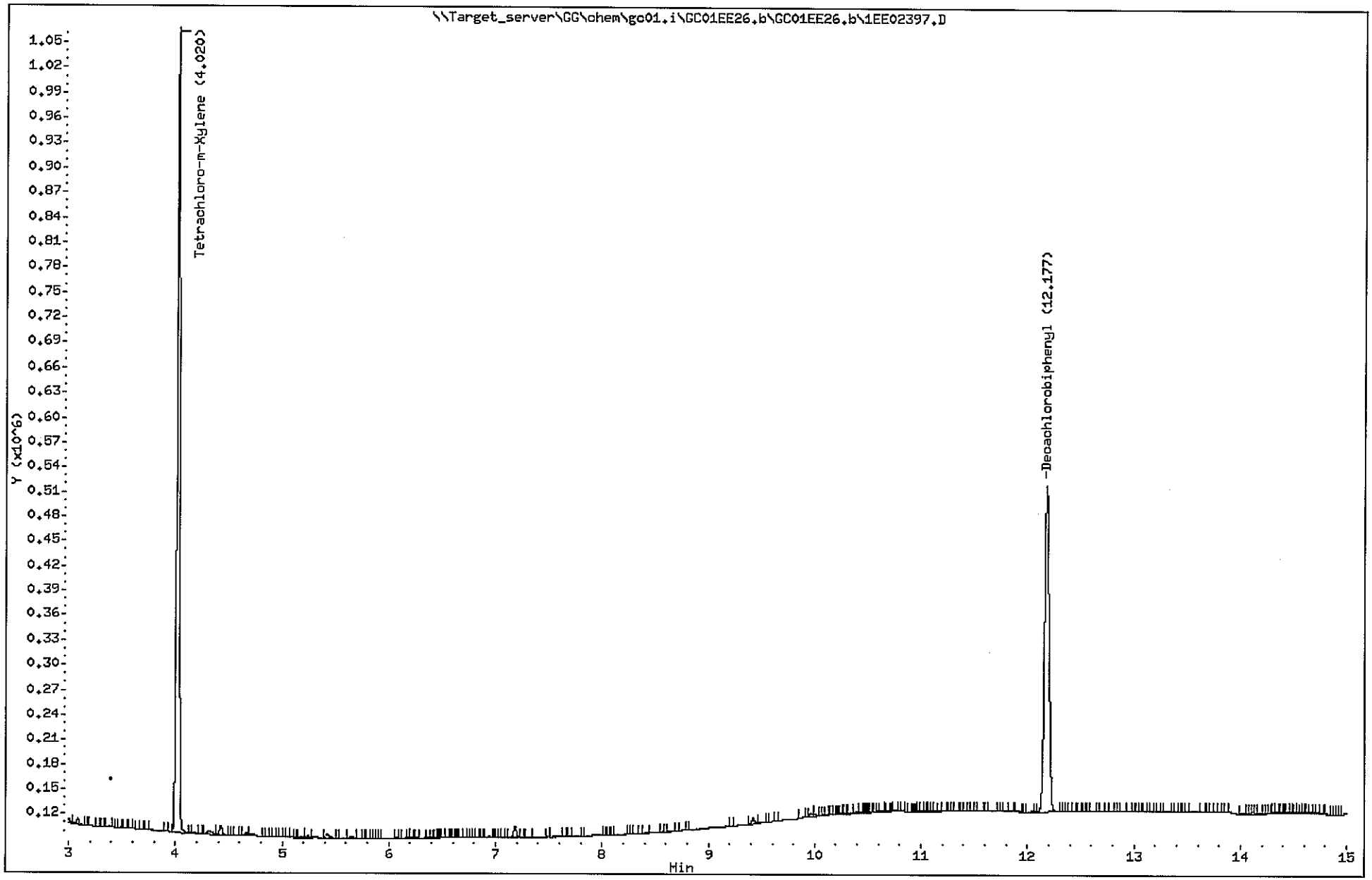
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	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
$ 4 Tetrachloro-m-Xylene	4.020	4.030	-0.010	967058	0.08589	0.859	
$ 34 Decachlorobiphenyl	12.176	12.180	-0.004	392405	0.08986	0.898	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02397.D
Date : 26-MAY-2011 13:12
Client ID: WG91926-Blank
Sample Info: WG91926-1,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000185

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91926-6
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
gamma-BHC	U	0.12	ug/L	1	.05	0.25	0.036	0.12
Heptachlor	U	0.12	ug/L	1	.05	0.25	0.040	0.12
Heptachlor Epoxide	U	0.12	ug/L	1	.05	0.25	0.037	0.12
Endrin	U	0.25	ug/L	1	.1	0.50	0.042	0.25
Methoxychlor	U	1.2	ug/L	1	.5	2.5	0.042	1.2
Technical Chlordane	U	1.2	ug/L	1	.5	2.5	0.42	1.2
Toxaphene	U	2.5	ug/L	1	1	5.0	0.85	2.5
Tetrachloro-M-Xylene		76.4	%					
Decachlorobiphenyl		89.4	%					

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Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02402.D
Report Date: 08-Jun-2011 14:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02402.D
Lab Smp Id: WG91926-6 Client Smp ID: WG91926-TclpBlank
Inj Date : 26-MAY-2011 14:40
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-6,SE2818
Misc Info : WG92018WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 14:00 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 14 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

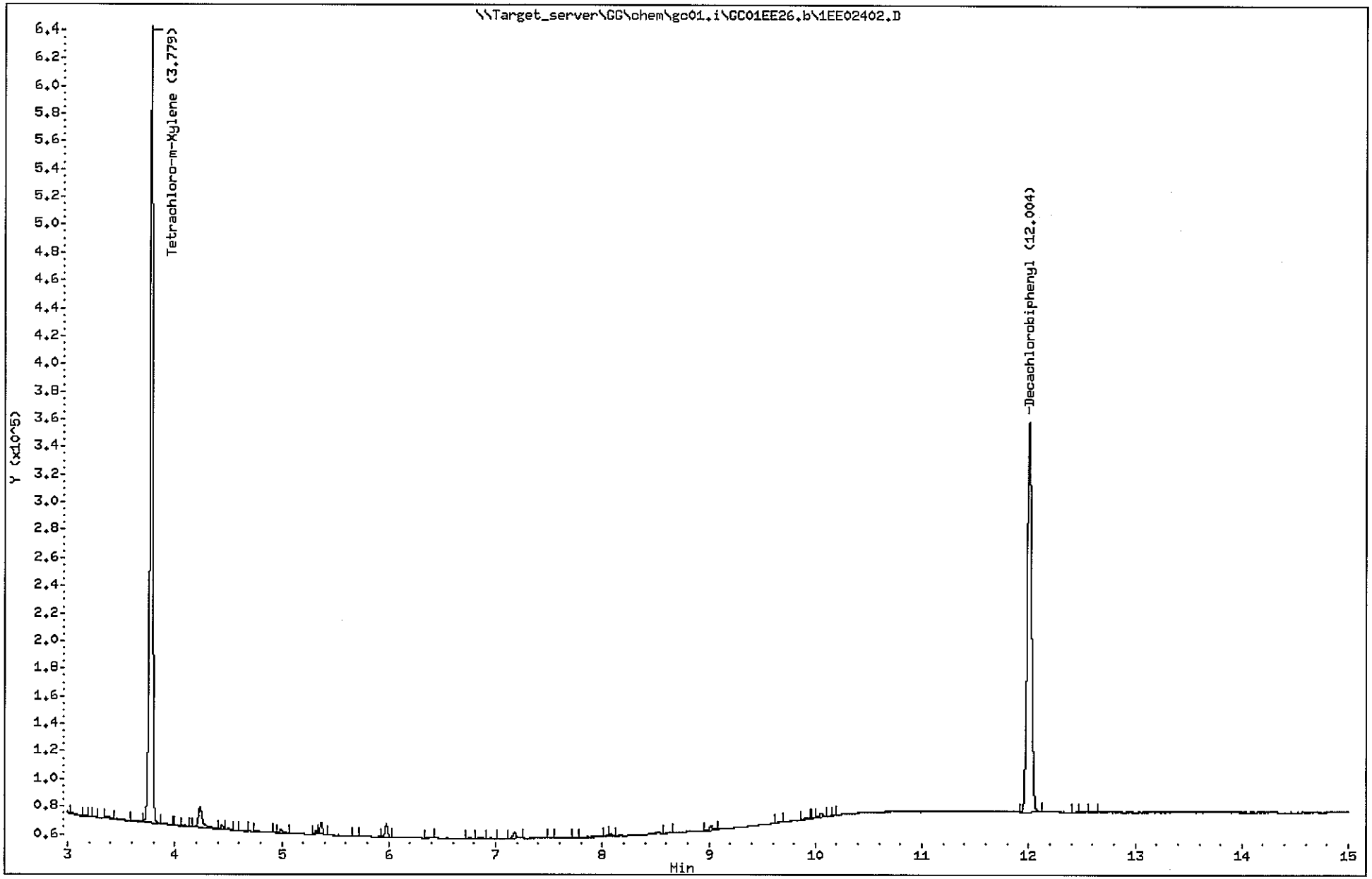
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.778	3.776	0.002	573684	0.07400	3.70	
$ 34 Decachlorobiphenyl	12.003	12.001	0.002	280802	0.08723	4.36	

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02402.D
Date : 26-MAY-2011 14:40
Client ID: WG91926-TolpBlank
Sample Info: WG91926-6,SE2818
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000188

Data File: 1EE02402.D
Report Date: 08-Jun-2011 14:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02402.D
Lab Smp Id: WG91926-6 Client Smp ID: WG91926-TclpBlank
Inj Date : 26-MAY-2011 14:40
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-6,SE2818
Misc Info : WG92018WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 14:01 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 14 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-200.sub
Target Version: 4.12
Processing Host: V200T2

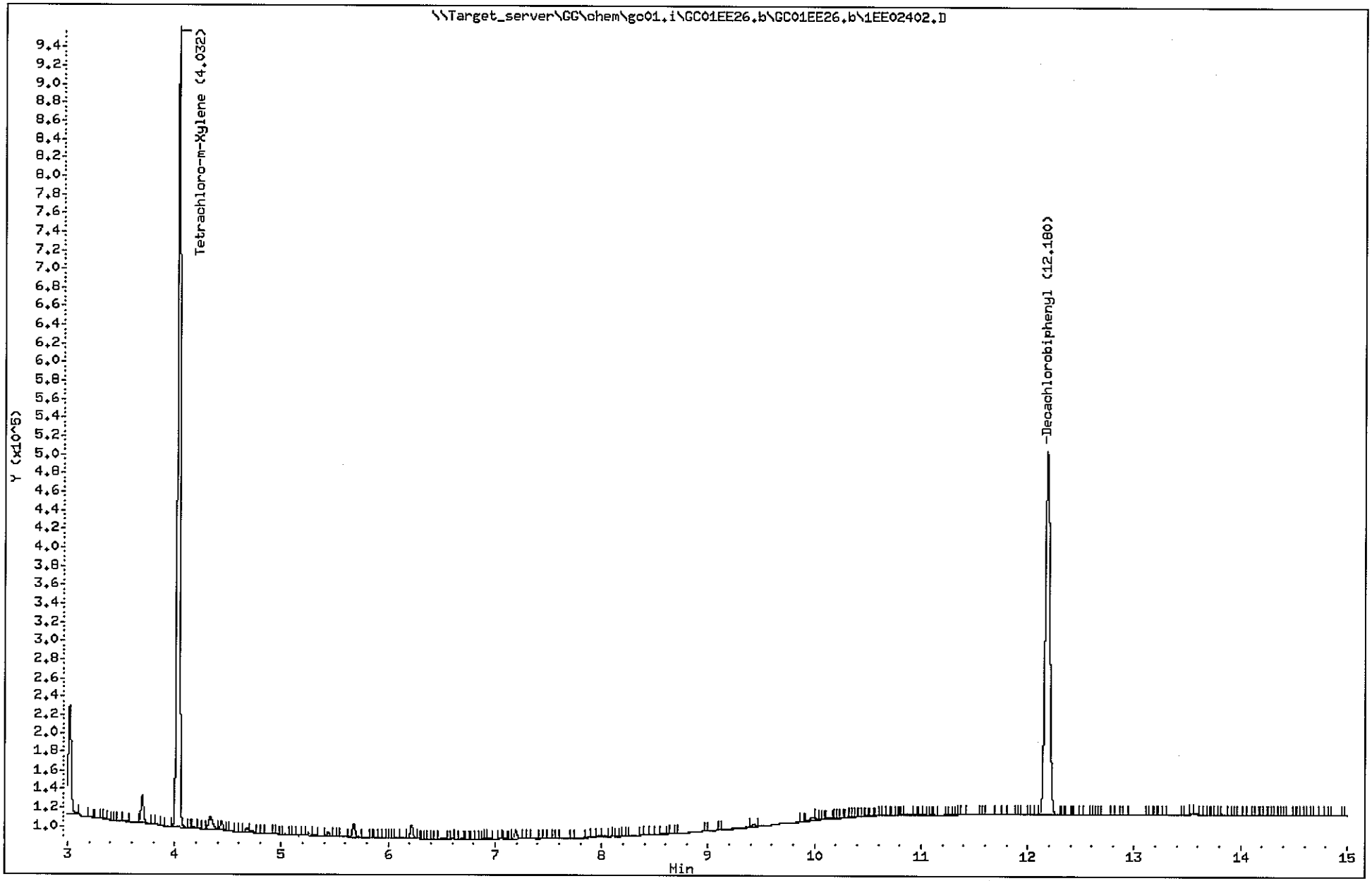
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	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
$ 4 Tetrachloro-m-Xylene	4.032	4.030	0.002	860524	0.07638	3.82	
$ 34 Decachlorobiphenyl	12.180	12.180	0.000	390477	0.08942	4.47	

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02402.D
Date : 26-MAY-2011 14:40
Client ID: WG91926-TolpBlank
Sample Info: WG91926-6,SE2818
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000190

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91926-2
LCSD ID: WG91926-3
Project:
SDG: SE2818
Report Date: 08-JUN-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
gamma-BHC	0.500	0.449	89.8	0.441	88.2	ug/L	2	30	25-135
Heptachlor	0.500	0.509	102.	0.495	99.0	ug/L	3	30	40-130
Heptachlor Epoxide	0.500	0.455	91.0	0.435	87.0	ug/L	4	30	60-130
Endrin	0.500	0.469	93.8	0.444	88.8	ug/L	5	30	55-135
Methoxychlor	0.500	0.568	114.	0.518	104.	ug/L	9	30	55-150
Tetrachloro-M-Xylene			76.5		79.3				25-140
Decachlorobiphenyl			88.0		83.0				30-135

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FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-2 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
gamma-BHC	1	5.01	4.96	5.06	0.434	
	2	5.07	5.02	5.12	0.449	3.4
Heptachlor	1	5.54	5.50	5.60	0.479	
	2	5.87	5.82	5.92	0.509	6.1
Heptachlor Epoxide	1	6.75	6.68	6.82	0.431	
	2	6.96	6.89	7.03	0.455	5.4
Endrin	1	8.16	8.09	8.23	0.447	
	2	8.24	8.17	8.31	0.469	4.8
Methoxychlor	1	9.62	9.55	9.69	0.567	
	2	9.65	9.58	9.72	0.568	0.2
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

FORM IO

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-3 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
gamma-BHC	1	5.02	4.96	5.06	0.410	
	2	5.07	5.02	5.12	0.441	7.3
Heptachlor	1	5.55	5.50	5.60	0.446	
	2	5.87	5.82	5.92	0.495	10.4
Heptachlor Epoxide	1	6.75	6.68	6.82	0.414	
	2	6.96	6.89	7.03	0.435	4.9
Endrin	1	8.16	8.09	8.23	0.413	
	2	8.24	8.17	8.31	0.444	7.2
Methoxychlor	1	9.62	9.55	9.69	0.518	
	2	9.65	9.58	9.72	0.518	0.0
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02398.D
Lab Smp Id: WG91926-2 Client Smp ID: WG91926-LCS
Inj Date : 26-MAY-2011 13:30
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-2,SE2818
Misc Info : WG92108,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 14:00 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-lcs.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

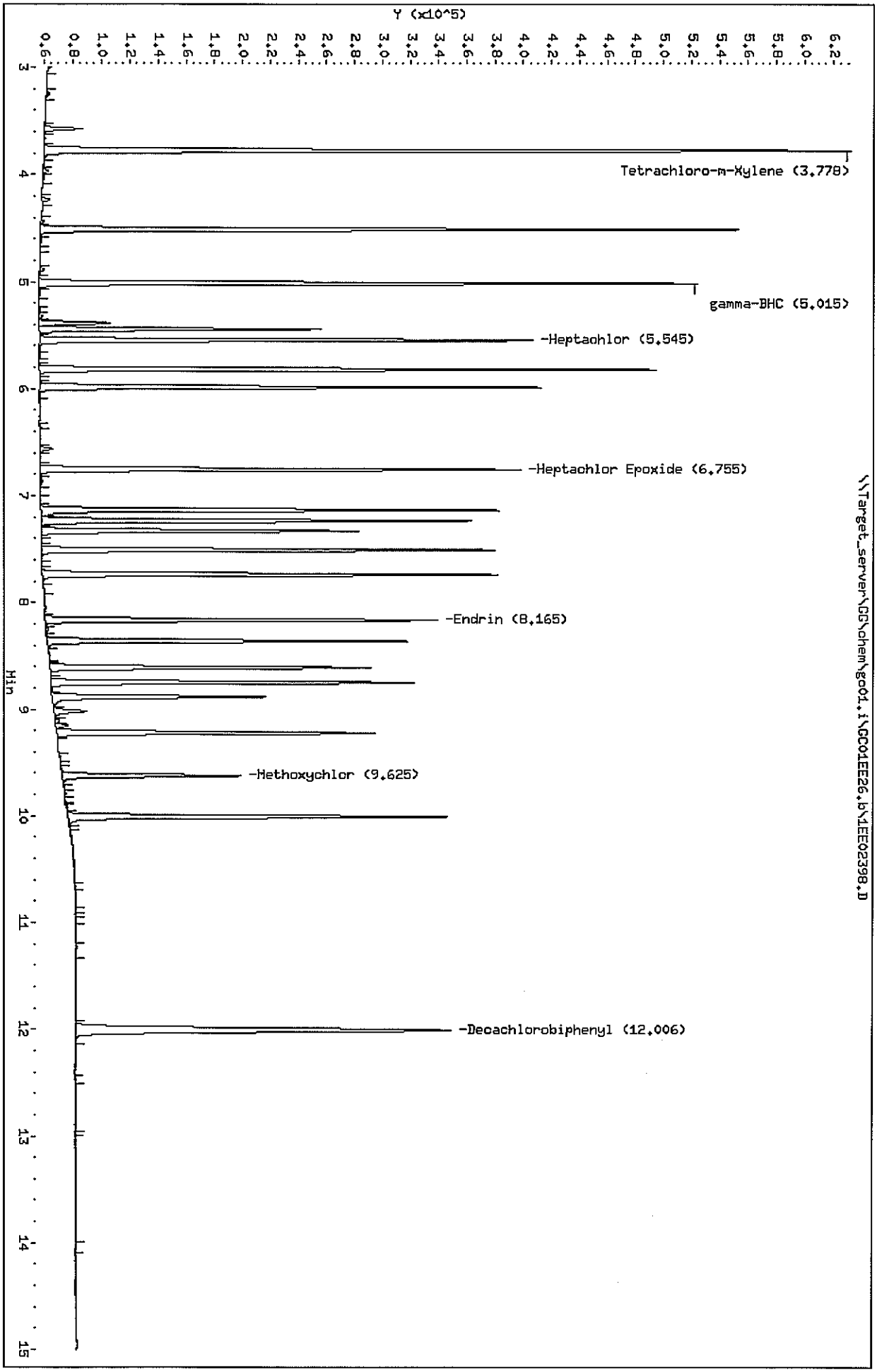
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.777	3.776	0.001	571236	0.07368	0.737	
6 gamma-BHC	5.014	5.013	0.001	467944	0.04339	0.434	
9 Heptachlor	5.544	5.545	-0.001	349927	0.04790	0.479	
13 Heptachlor Epoxide	6.754	6.751	0.003	340874	0.04311	0.431	
23 Endrin	8.164	8.163	0.001	278382	0.04473	0.447(a)	
29 Methoxychlor	9.624	9.623	0.001	126513	0.05668	0.567(a)	
$ 34 Decachlorobiphenyl	12.006	12.001	0.005	266313	0.08273	0.827	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02398.D
Date : 26-MAY-2011 13:30
Client ID: WG91926-LCS
Sample Info: WG91926-2,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Data File: 1EE02398.D
Report Date: 08-Jun-2011 14:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02398.D
Lab Smp Id: WG91926-2 Client Smp ID: WG91926-LCS
Inj Date : 26-MAY-2011 13:30
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-2,SE2818
Misc Info : WG92108,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 14:01 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-lcs.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

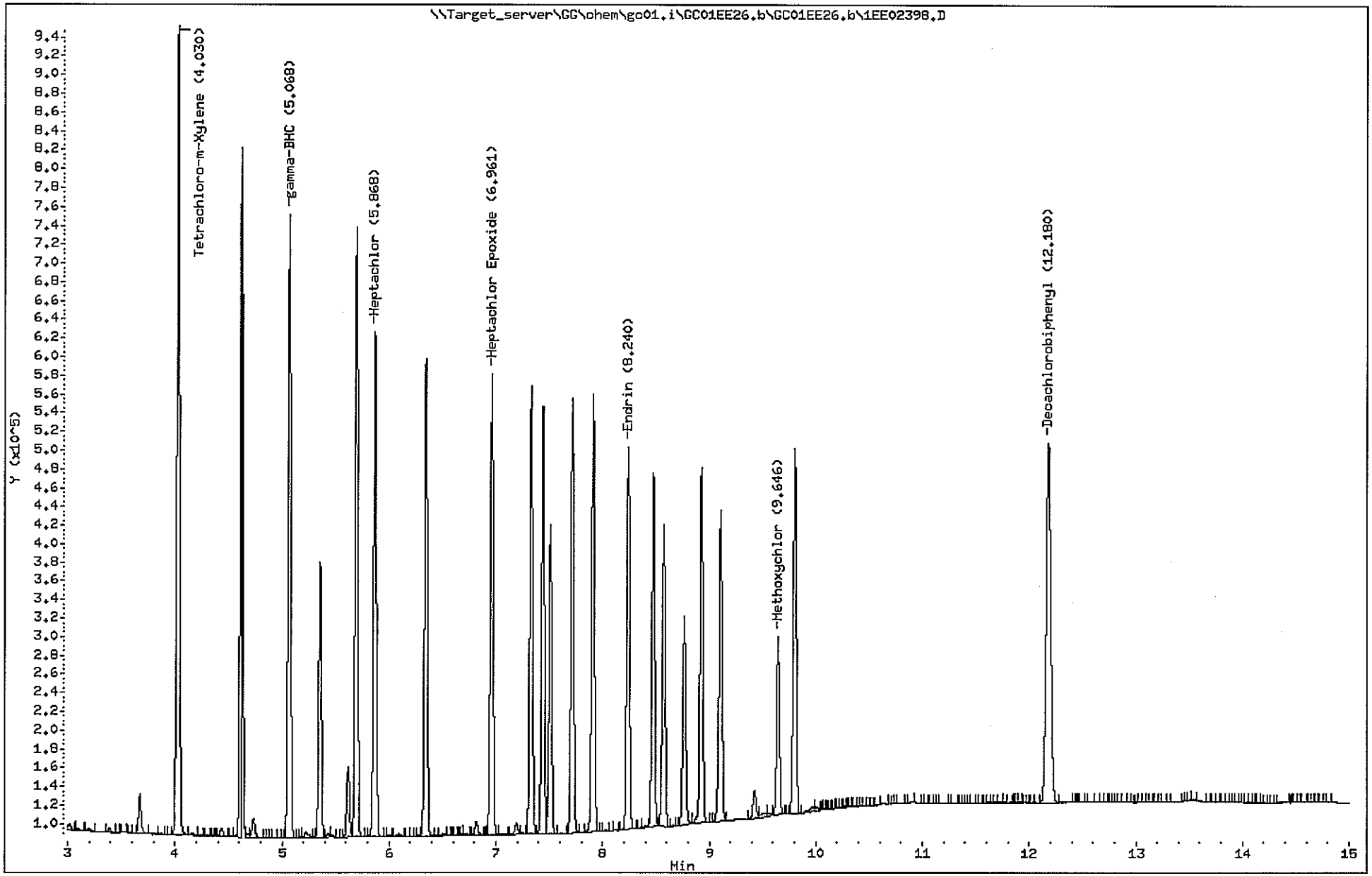
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.029	4.030	-0.001	861970	0.07651	0.765	
6 gamma-BHC	5.067	5.070	-0.003	665329	0.04493	0.449	
9 Heptachlor	5.867	5.868	-0.001	539754	0.05090	0.509	
13 Heptachlor Epoxide	6.961	6.961	0.000	492551	0.04549	0.455	
23 Endrin	8.239	8.240	-0.001	408720	0.04688	0.469(a)	
29 Methoxychlor	9.646	9.646	0.000	189405	0.05681	0.568(a)	
$ 34 Decachlorobiphenyl	12.179	12.180	-0.001	384423	0.08804	0.880	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02398.D
Date : 26-MAY-2011 13:30
Client ID: WG91926-LCS
Sample Info: WG91926-2,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000197

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02399.D
Report Date: 08-Jun-2011 14:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02399.D
Lab Smp Id: WG91926-3 Client Smp ID: WG91926-LCSD
Inj Date : 26-MAY-2011 13:47
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-3,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 14:00 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 11 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-lcs.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

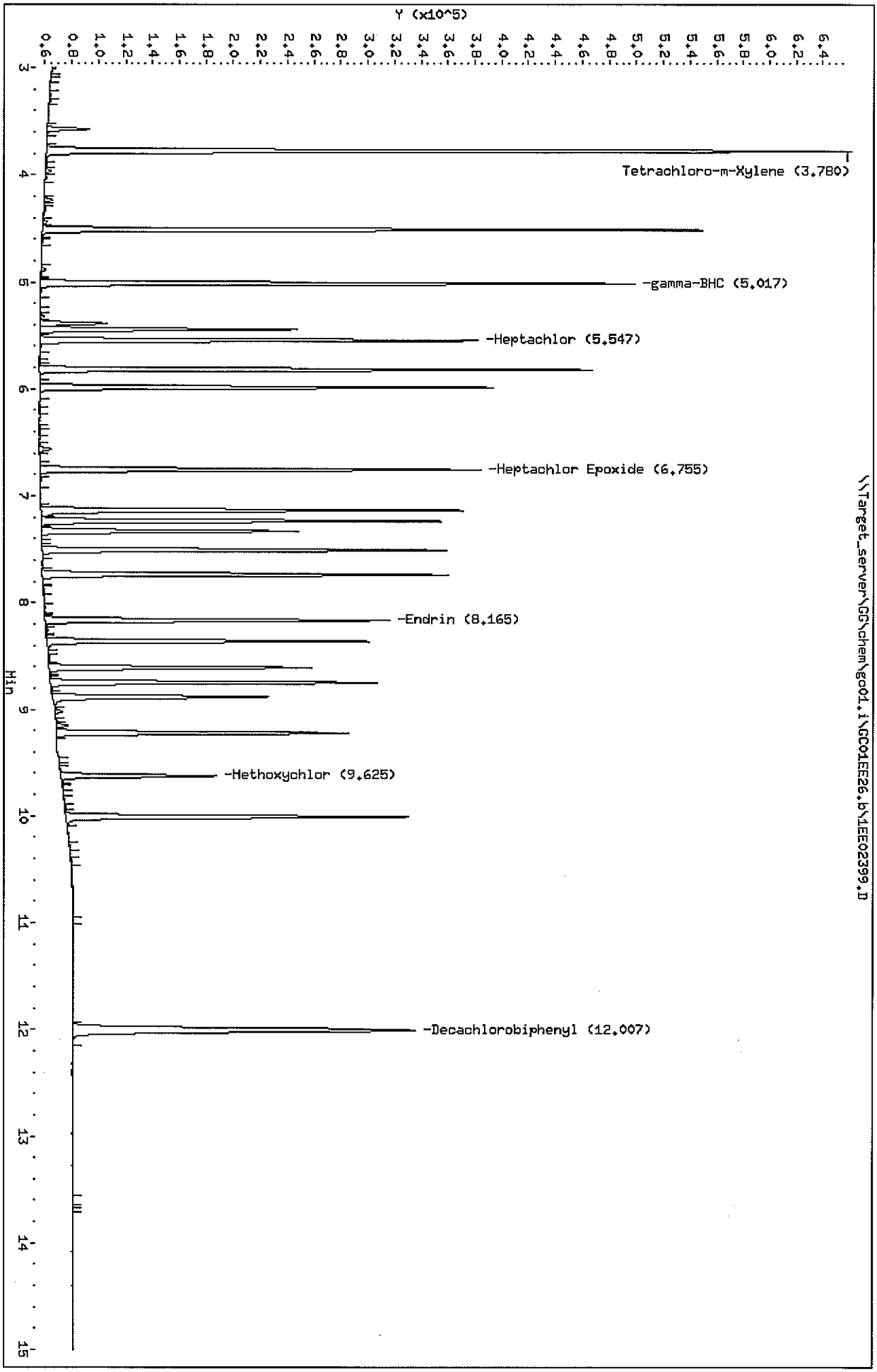
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.779	3.776	0.003	598602	0.07719	0.772	
6 gamma-BHC	5.016	5.013	0.003	442094	0.04102	0.410	
9 Heptachlor	5.546	5.545	0.001	325082	0.04465	0.446	
13 Heptachlor Epoxide	6.754	6.751	0.003	327265	0.04141	0.414	
23 Endrin	8.164	8.163	0.001	256011	0.04130	0.413(a)	
29 Methoxychlor	9.624	9.623	0.001	115273	0.05186	0.518(a)	
$ 34 Decachlorobiphenyl	12.006	12.001	0.005	254893	0.07918	0.792	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\1EE02399.D
Date : 26-MAY-2011 13:47
Client ID: WG91926-LCSD
Sample Info: WG91926-3,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Data File: 1EE02399.D
Report Date: 08-Jun-2011 14:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02399.D
Lab Smp Id: WG91926-3 Client Smp ID: WG91926-LCSD
Inj Date : 26-MAY-2011 13:47
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-3,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 14:01 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 11 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDTCLP-lcs.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

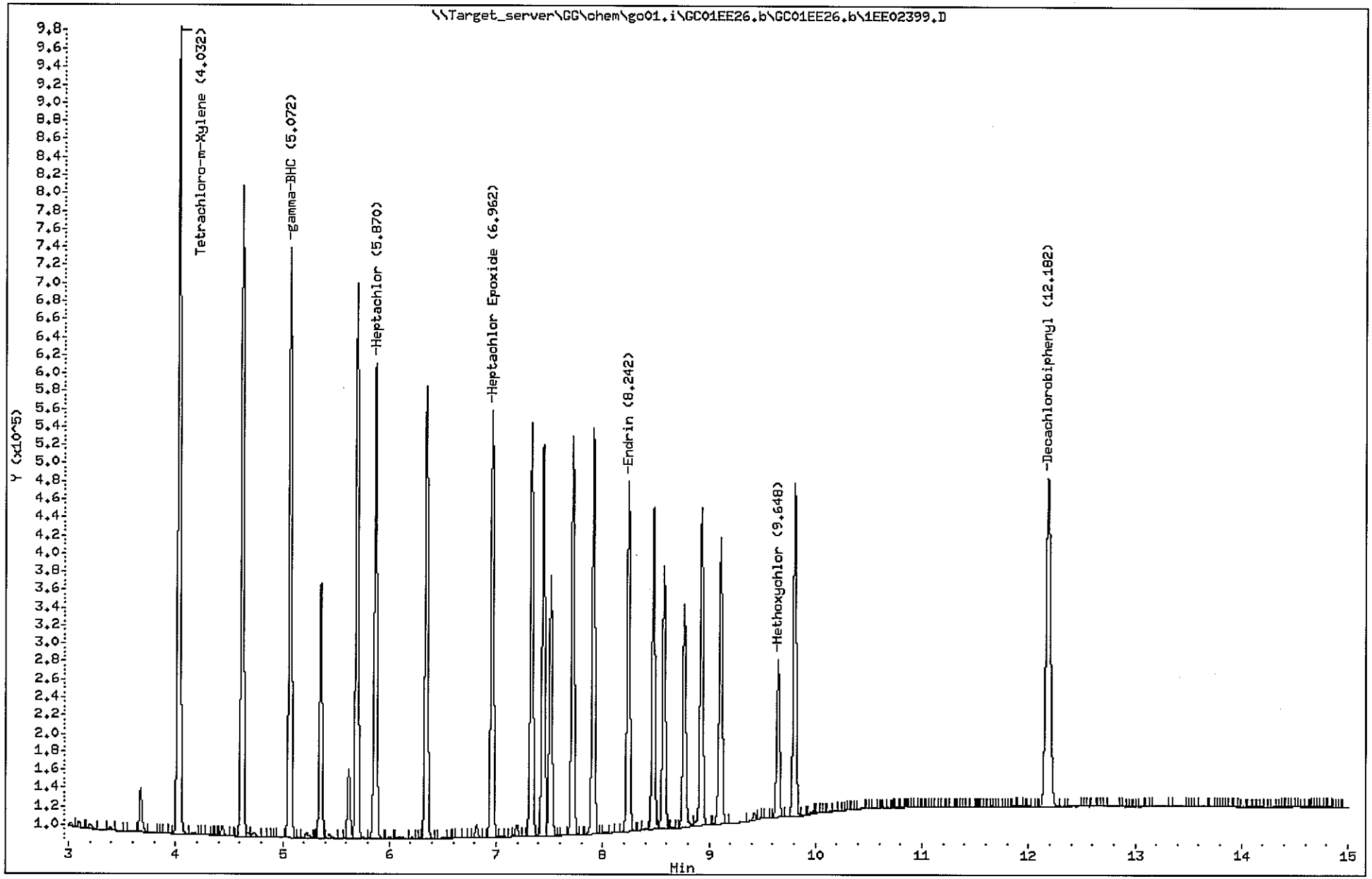
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.031	4.030	0.001	893023	0.07928	0.793	
6 gamma-BHC	5.071	5.070	0.001	652881	0.04409	0.441	
9 Heptachlor	5.869	5.868	0.001	525301	0.04955	0.495	
13 Heptachlor Epoxide	6.961	6.961	0.000	470922	0.04352	0.435	
23 Endrin	8.241	8.240	0.001	386286	0.04436	0.444(a)	
29 Methoxychlor	9.648	9.646	0.002	172342	0.05179	0.518(a)	
$ 34 Decachlorobiphenyl	12.181	12.180	0.001	362299	0.08300	0.830	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\go01.i\GC01EE26.b\GC01EE26.b\1EE02399.D
Date : 26-MAY-2011 13:47
Client ID: WG91926-LCSD
Sample Info: WG91926-3,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000201

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91926-4
Client ID: LCS1
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-jun-2011 15:28

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Toxaphene	94.4	10.0	9.44	ug/L	50-150
Tetrachloro-M-Xylene	73.6				25-140
Decachlorobiphenyl	89.9				30-135

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Katahdin Analytical Services 8000202

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS1

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-4 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	7.67	7.37	7.97	7.23		
Toxaphene	2	8.41	8.11	8.71	7.43		
	3	8.61	8.31	8.91	9.02		
COLUMN 1	4	8.72	8.42	9.02	8.94		
	5	8.94	8.64	9.24	8.67		
	6	9.06	8.76	9.36	9.20		
	7	9.34	9.04	9.64	9.06		
	8	9.47	9.17	9.77	9.15		
	9	9.63	9.33	9.93	8.87		
	10	10.32	10.02	10.62	9.95	8.75	
	1	8.16	7.86	8.46	9.37		
	2	8.52	8.22	8.82	8.81		
	3	8.59	8.29	8.89	9.35		
COLUMN 2	4	8.66	8.36	8.96	9.19		
	5	8.96	8.66	9.26	9.40		
	6	9.08	8.78	9.38	9.57		
	7	9.22	8.92	9.52	9.46		
	8	9.70	9.40	10.00	10.1		
	9	9.75	9.45	10.05	9.10		
	10	10.22	9.92	10.52	10.1	9.44	7.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02400.D
Report Date: 08-Jun-2011 13:58

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02400.D
Lab Smp Id: WG91926-4 Client Smp ID: WG91926-LCS1
Inj Date : 26-MAY-2011 14:05
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-4,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 12 QC Sample: LCS1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

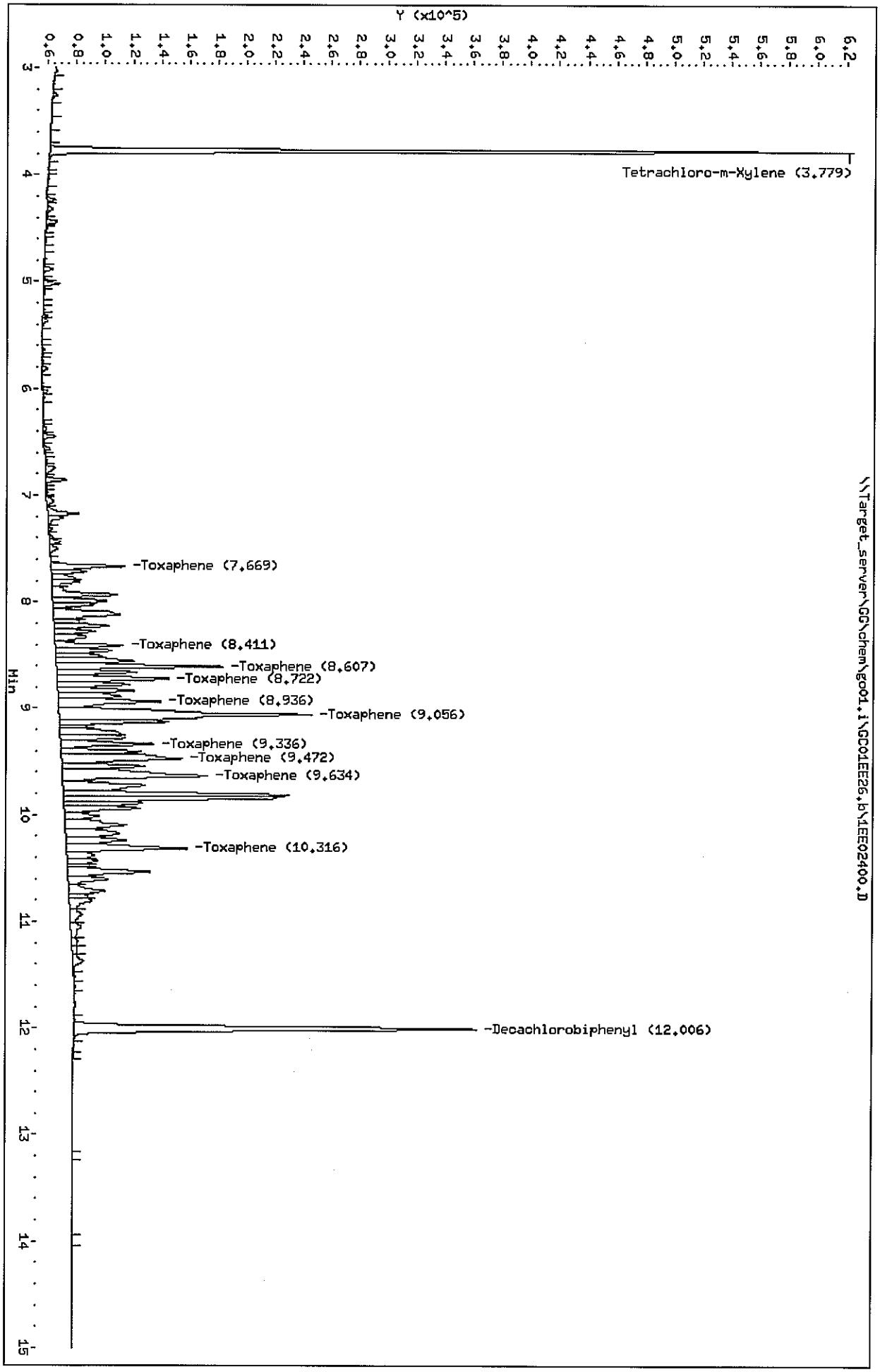
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
3.778	3.776	0.002	561250	0.07240	0.724			
18 Toxaphene					CAS #: 8001-35-2			
7.668	7.667	0.001	51534	0.72324	7.23	80.00- 120.00	100.00	
8.410	8.410	0.000	47165	0.74310	7.43	76.86- 115.29	91.52	
8.607	8.605	0.002	116210	0.90224	9.02	164.85- 247.27	225.50	
8.722	8.720	0.002	78167	0.89393	8.94	117.08- 175.62	151.68	
8.935	8.937	-0.002	71658	0.86735	8.67	109.01- 163.52	139.05	
9.055	9.055	0.000	177582	0.91989	9.20	259.26- 388.89	344.59	
9.335	9.335	0.000	64694	0.90554	9.06	94.93- 142.39	125.54	
9.472	9.469	0.003	83942	0.91521	9.15	119.56- 179.35	162.89	
9.633	9.634	-0.001	101157	0.88743	8.87	148.51- 222.76	196.29	
10.315	10.315	0.000	84625	0.99520	9.95	119.41- 179.12	164.21	
		Average of Peak Concentrations =			8.75			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
12.005	12.001	0.004	282449	0.08774	0.877			

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02400.D
Date : 26-MAY-2011 14:05
Client ID: WG91926-LCS1
Sample Info: WG91926-4,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Data File: 1EE02400.D
Report Date: 08-Jun-2011 13:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02400.D
Lab Smp Id: WG91926-4 Client Smp ID: WG91926-LCS1
Inj Date : 26-MAY-2011 14:05
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-4,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 12 QC Sample: LCS1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

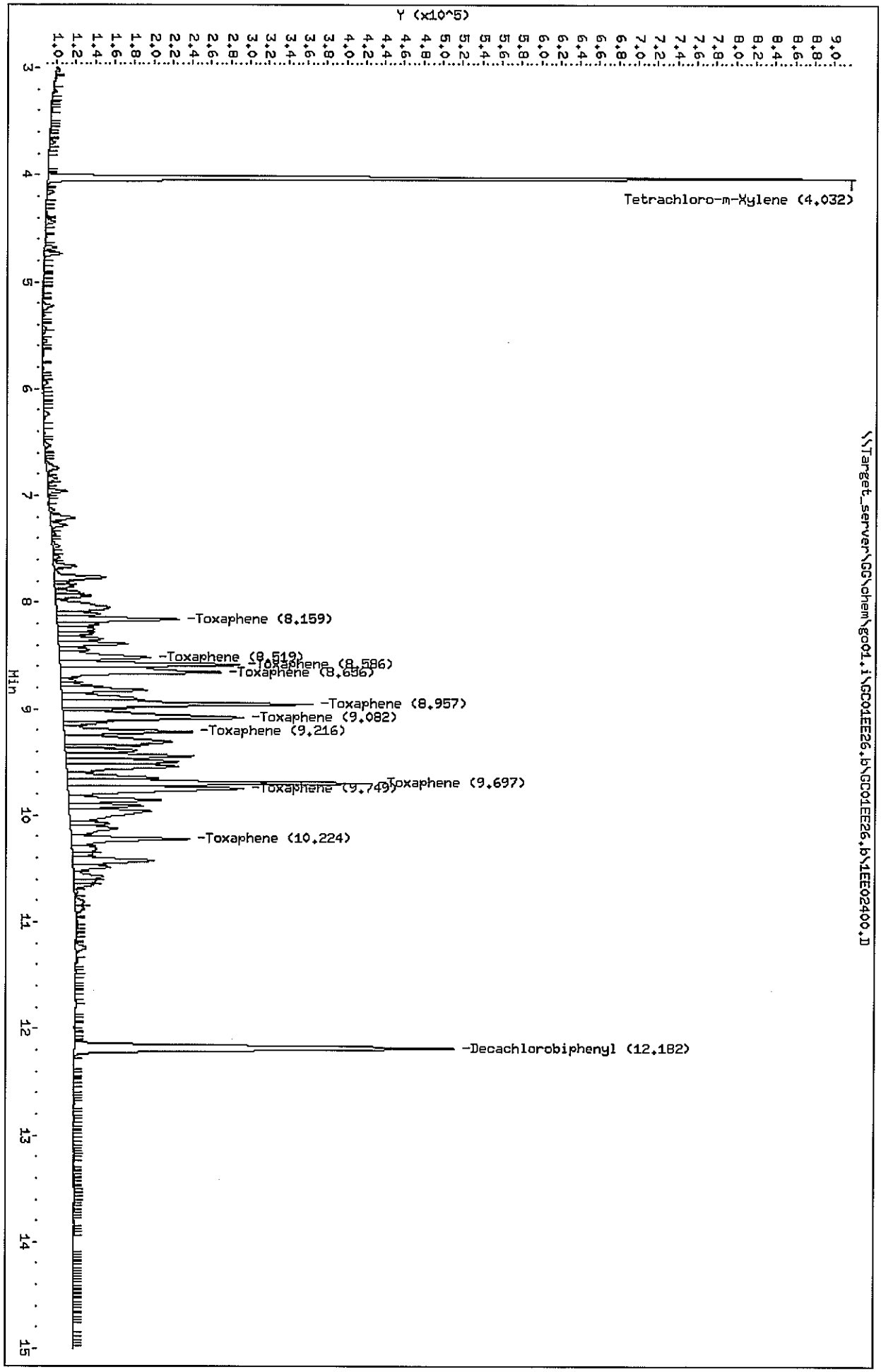
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
4.032	4.030	0.002	828901	0.07356	0.736			
18 Toxaphene					CAS #: 8001-35-2			
8.158	8.159	-0.001	125793	0.93714	9.37	80.00- 120.00	100.00	
8.518	8.517	0.001	93688	0.88115	8.81	61.17- 91.76	74.48	
8.585	8.585	0.000	185120	0.93504	9.35	115.73- 173.60	147.16	
8.655	8.655	0.000	165344	0.91907	9.19	106.15- 159.23	131.44	
8.957	8.955	0.002	258307	0.94054	9.40	160.48- 240.73	205.34	
9.082	9.084	-0.002	185930	0.95691	9.57	117.68- 176.52	147.81	
9.215	9.215	0.000	131790	0.94567	9.46	83.61- 125.41	104.77	
9.697	9.695	0.002	312701	1.00811	10.1	191.06- 286.59	248.58	
9.748	9.747	0.001	180685	0.90991	9.10	114.81- 172.22	143.64	
10.223	10.222	0.001	122031	1.01220	10.1	76.66- 114.99	97.01	
		Average of Peak Concentrations =			9.44			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
12.182	12.180	0.002	392420	0.08986	0.899			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02400.D
Date : 26-MAY-2011 14:05
Client ID: WG91926-LCS1
Sample Info: WG91926-4,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS Recovery Report

Client:
Lab ID: WG91926-5
Client ID: LCS2
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91926

Analysis Date: 26-MAY-11
Analyst: JLP
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-JUN-11

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Technical Chlordane	92.5	10	9.25	ug/L	50-150
Tetrachloro-M-Xylene	81.3				25-140
Decachlorobiphenyl	88.7				30-135

600 Technology Way
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FORM IO

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

WG91926-LCS2

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MCB LEJEUNE SI

Lab Code: KAS PO No.: SDG No.: SE2818

Lab Sample ID: WG91926-5 Date(s) Analyzed: 05/26/11 05/26/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-2 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	7.14	7.06	7.20	8.49		
Chlordane	2	7.24	7.16	7.30	8.52		
	3						
COLUMN 1	4						
	5					8.50	
	1	7.33	7.26	7.40	9.13		
	2	7.45	7.37	7.51	9.37		
	3						
COLUMN 2	4						
	5					9.25	8.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Data File: \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02401.D
Report Date: 08-Jun-2011 13:58

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\1EE02401.D
Lab Smp Id: WG91926-5 Client Smp ID: WG91926-LCS2
Inj Date : 26-MAY-2011 14:22
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-5,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 13 QC Sample: LCS2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tcLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

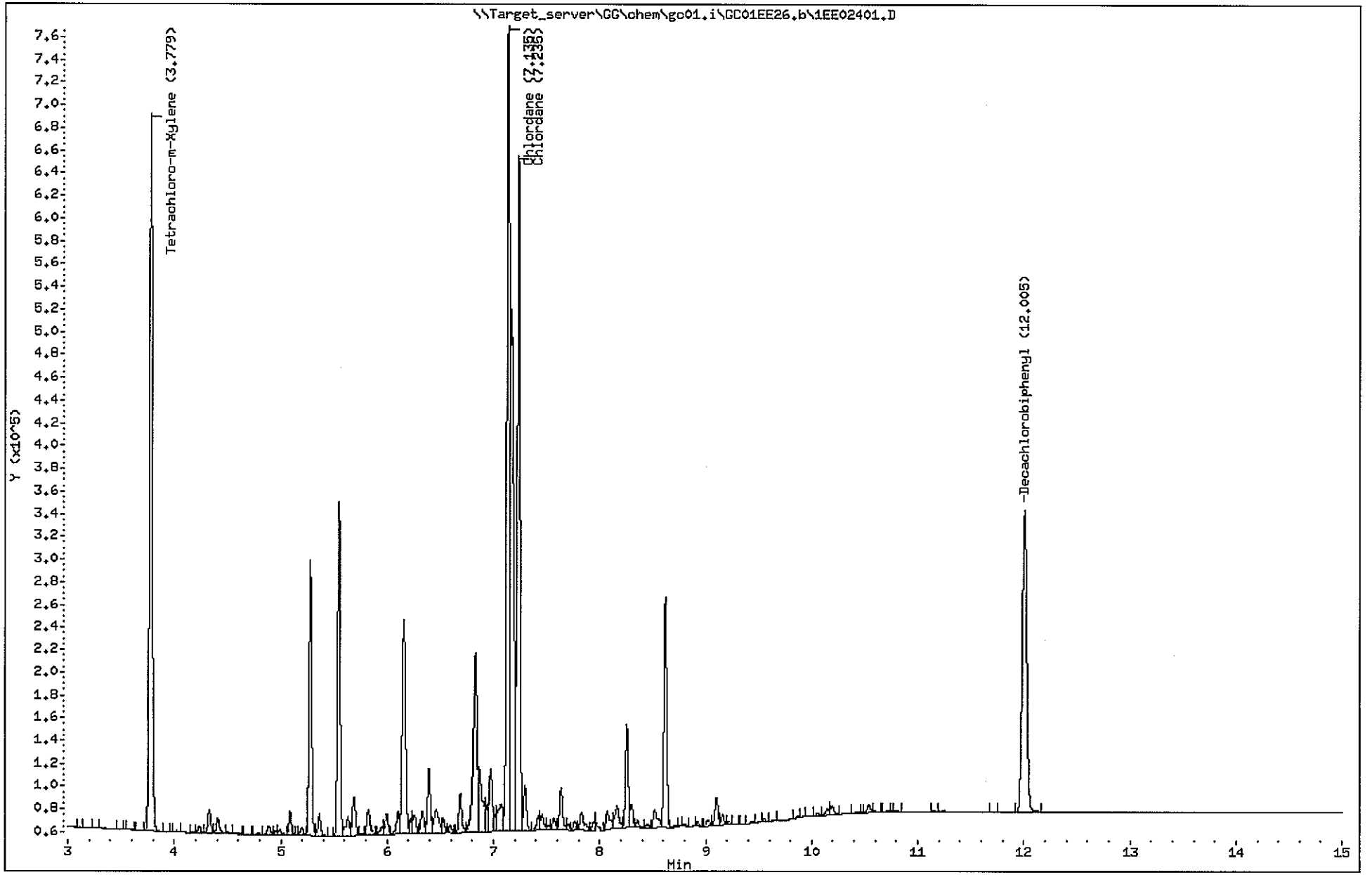
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
3.778	3.776	0.002	630780	0.08132	0.813			
14 Chlordane					CAS #: 12789-03-6			
7.135	7.133	0.002	707315	0.84866	8.49	80.00- 120.00	100.00	
7.235	7.233	0.002	593227	0.85222	8.52	66.73- 100.09	83.87	
Average of Peak Concentrations =					8.50			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
12.005	12.001	0.004	264595	0.08220	0.822			

Data File: \\Target_server\GC\chem\go01.i\GC01EE26.b\1EE02401.D
Date : 26-MAY-2011 14:22
Client ID: WG91926-LCS2
Sample Info: WG91926-5,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000211

Data File: 1EE02401.D
Report Date: 08-Jun-2011 13:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02401.D
Lab Smp Id: WG91926-5 Client Smp ID: WG91926-LCS2
Inj Date : 26-MAY-2011 14:22
Operator : JLP Inst ID: gc01.i
Smp Info : WG91926-5,SE2818
Misc Info : WG92018,WG91926,1EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc01.i\GC01EE26.b\PEST062.m\PEST062.m
Meth Date : 08-Jun-2011 13:52 cbyrne Quant Type: ESTD
Cal Date : 13-MAY-2011 22:04 Cal File: 1EE00230.D
Als bottle: 13 QC Sample: LCS2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tcLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

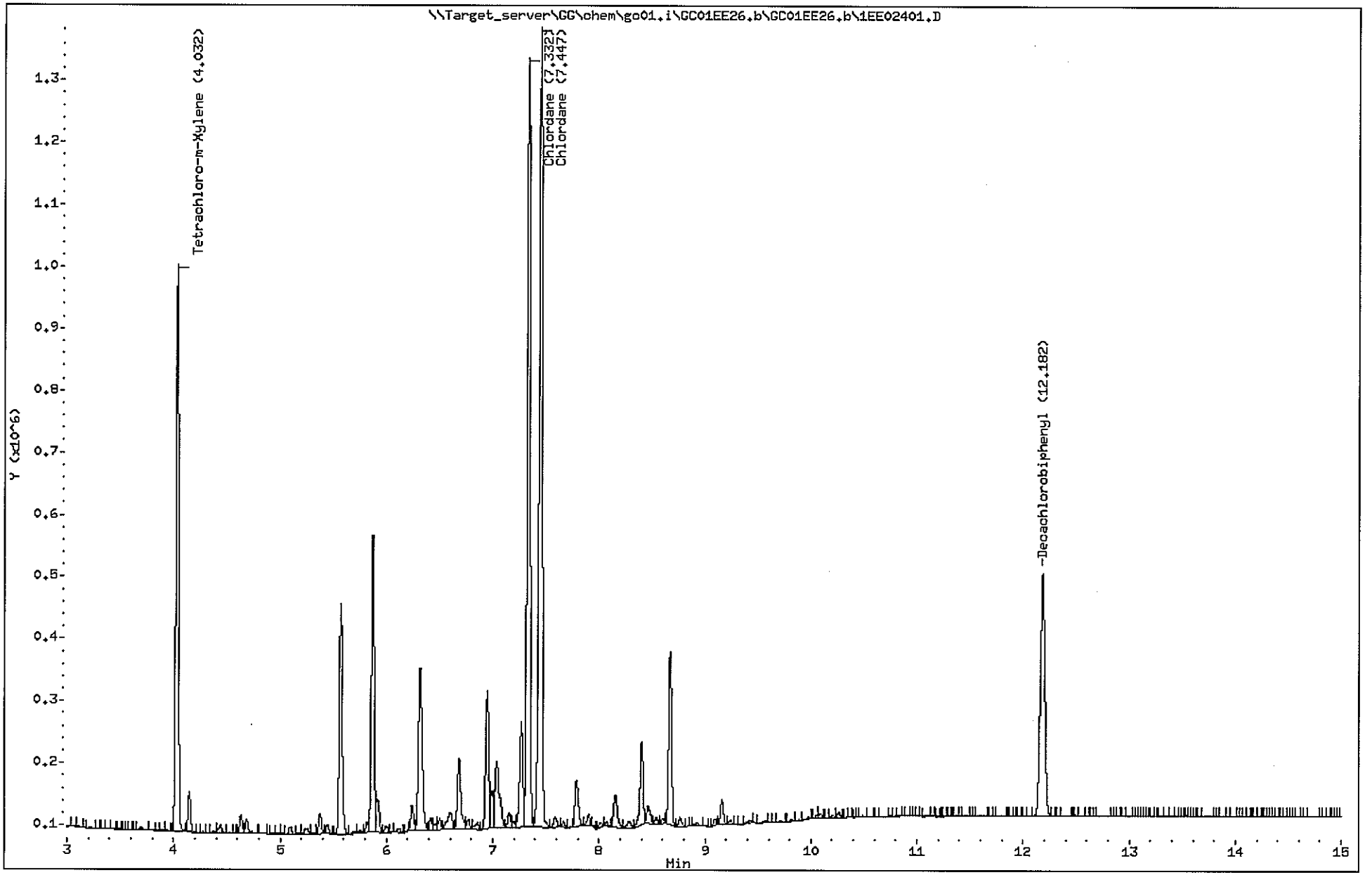
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
4.031	4.030	0.001	913355	0.08110	0.811			
14 Chlordane					CAS #: 12789-03-6			
7.331	7.331	0.000	1237727	0.91270	9.13	80.00- 120.00	100.00	
7.446	7.444	0.002	1285911	0.93746	9.37	81.69- 122.53	103.89	
Average of Peak Concentrations =					9.25			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
12.181	12.180	0.001	387260	0.08869	0.887			

Data File: \\Target_server\GC\chem\gc01.i\GC01EE26.b\GC01EE26.b\1EE02401.D
Date : 26-MAY-2011 14:22
Client ID: WG91926-LCS2
Sample Info: WG91926-5,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc01.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 8000213

Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC.

Non-Volatile TCLP/SPLP Extraction Log

Extraction Method: (check one per page)	SW846 1311 (TCLP) ✓	Extractor ID: 3/2	Room Thermometer ID: DIG-23	(Room Temp Criteria. 23(±2)°C)
	SW846 1312 (SPLP) ☐	Balance ID: BAL-08	pH Meter ID: Orion 520A s/n 7422	pH Probe ID: 5733526-003B
Solid pH Determination:	Date: 5-23-11		Analyst: HHH	
Rotary Extraction Started:	Date: 5-23-11	Time: 18:17	Analyst: HHH	Room Temp. (degrees °C): 21.7
Rotary Extraction Completed:	Date: 5-24-11	Time: 10:22	Analyst: HHH	Room Temp. (degrees °C): 22.2
Extraction Filtered:	Date:	Time:	Analyst:	Filter Lot #:
Elapsed Extraction Time (HH:MM):		5% HNO_3 ID (used to wash filters):		HNO_3 Lot # (used to preserve extracts):
Fluid 1 pH (Day of use): 4.97		Fluid 1 Expiration Date:		
Fluid 2 pH (Day of use): 2.83		Fluid 2 Expiration Date:		

TCLP Fluid pH: #1 - 4.93 ± 0.05 #2 - 2.88 ± 0.05 SPLP Fluid pH: #1 - 4.20 ± 0.05 #2 - 5.00 ± 0.05

Katahdin Sample No.	Matrix:	Check One: 100% Wet Solids- waste will yield no liquid upon filtration	Check One: < 100% Solids (See TCLP Solids Determination Log)	SPLP FLUID # (1 for east and 2 for west of Mississippi River):	TCLP pH Determination and Fluid Selection (date & init. above): Initial pH of solid phase: (if <5, use Fluid #1; if >5 add 3.5 mL of 1 N HCl)	pH after 1 N HCL addition (if <5, use Fluid #1; if >5, use Fluid #2	Extraction Setup: Volume of Extraction Fluid (mL)	Fluid # used	Fluid Batch ID	Associated Extraction Blank ID:	Weight of Waste (g)	pH of extract after extraction:	Extract to be analyzed for: Metals (M), SVOA (S), PEST (P), HERB (H), Cyanide (C)	
SE2836-1A/B	SL	X			8.1	1.4	2000	1	1010	PBT100A	100.18	~~5.10~~ 5.18	M	
SE2794-1A	↓	↓			6.65	3.9	2000	1	1010	↓	100.06	~~6.65~~ 5.30	↓	
SE2826-1A	↓	↓			10.5	5.4	2000	2	1009	PBT100A	100.10	~~10.5~~ 5.79	↓	
2818-6B	↓	↓			7.82	1.6	↓	1	1012	PBT1012A	100.71	~~7.82~~ 5.56	MSPH	13
2818-8B	↓	↓			7.83	1.62	↓	1	↓	↓	100.46	~~7.83~~ 5.47	↓	12
2818-10B	↓	↓			8.23	<2	↓	1	↓	↓	100.3	~~8.23~~ 6.27	↓	18
2818-12B	↓	↓			8.30	<2	↓	1	↓	↓	100.83	~~8.30~~ 5.39	↓	3
PBT1012A	NA	~~BWA~~ N/A	N/A	N/A	N/A	N/A	2000	1	1012	PBT1012A	N/A	4.87	↓	5

Pest Sep

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS PESTICIDE/PCB

Extraction Method: (check one)	SW846 3520 (CLLE)		SW846 3510 (SEP) ✓		SW846 3535 (SPE)	
Analytical Method: (check one)	SW846 8081 ✓	SW846 8082	EPA 608	CLP OLM04.2	CLP OLC2.1	Other:
Standards	Surrogate ID: G-60297		Spike ID: G-60862 (T-Chlor) / G-60886 (Tox)		Spike ID: G-60885	
Solvents	Solvent Lot # (Meo2): K1L611		Solvent Lot # (Hexane): K1Z617		Solvent Lot # (Acetone): —	
Consumables	Filter Paper Lot # F0001444		Acid Lot # —		$NaSO_4$ Lot # 27961002	
Nitrogen Bath Temperature: 37°C		Vial Lot #:				
Prep Start Time: 11:45		Prep End Time: 13:35		CLLE Start Time:		CLLE End Time:

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction Pest	Fraction PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up GPC	Clean-Up Flor.	Clean-Up Acid Wash	Clean-Up Other	Comments
5-24-11	WS	WG-91526-1	1000	1mL	NA	✓		10mL	5-24-11	AA975 C3	KF					R160060
		-2			1mL					C4						
		-3								C5						
		-4								C6						Tox
		-5								C7						T-Chlor
		-6	200							C8						TCLP blank 1000mL w/DI
													KF	5-24-11		

EX-002 – Revision 1 – 10/15/09

QAEX201

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction Pest	Fraction PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up GPC	Clean-Up Flor.	Clean-Up Acid Wash	Clean-Up Other	Comments
5-24-11	WS	SE28818-6	200	1mL	NA	✓		10mL	5-24-11	C9	KF					TCLP blank 1000mL w/DI
		-8								C10						
		-10								D1						
		-12								D2						
											KF	5-24-11				

EX-002 – Revision 1 – 10/15/09

QAEX201

Katahdin Analytical Services, Inc.
Instrument: GC01
Amount Injected 2ul

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5/13/11	CB	1E600210	HEXANE	N	PEST06Z	373/374	
		211	EVAL	y			
		212	INDKB 0.05				
		213	0.005				
		214	0.01				
		215	0.025				
		216	0.1				
		217	0.25				
		218	IND 0.05				
		219	TOX 1.0				
		220	0.1				
		221	0.25				
		222	0.5				
		223	2.5				
		224	10				
		225	TC 0.5				
		226	0.05				
		227	0.1				
		228	0.25				
		229	1.0				
		230	2.5				
		231	WG91451-1	y			HE > RL
		232	-2				17A+B ↑11A ↑9B
		233	-3				~~TOBHG, HE, XCH, DRBHC~~
		234	-4				18A+B
		235	-5	y			Aldrin A
		236	-6	y			
		237	~~IND KB 0.025~~	y			
		238	~~TOX 1.0~~ IND KB 0.025	y			
		239	SW2523-1	y			

Katahdin Analytical Services, Inc.
Instrument: GC01
Amount Injected 2 uL

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5/25/11	CB	1GEC02386	SQ2692-1RE	Y	PESTOG2	373/374	
		2387	INDAB 0.05	Y			↓Hept, DDD/DDE/DDT A+B/ΔB
		2388	TOX 1.0	Y			↓TOX A
5/26/11	JVP	2389	EVAL	Y			→ New liner
		2390	INDAB 0.05				
		2391	TOX 1.0				
		2392	TC 0.5				
		2393	SF27818-6 3510				
		2394	-8				
		2395	-10				
		2396	-12				
		2397	WG91926-1	Y			
		2398	-2				
		2399	-3				
		2400	-4				
		2401	-5				
		2402	-6				
		2403	GC0891	N			
		2404	INTERMED	N			
		2405	INDAB 0.025	Y			↑Methox EK A+B↑ΔHept B
		2406	TOX 1.0				
		2407	TC 0.5				
		2408	GC0899	N			
		2409	SF27904-2DL 3550	Y			1:10
		2410	-3	Y			1:100
		2411	-4	~~N~~ Y			1:500 @ 1:5000
		2412	-5	Y			1:100
		2413	GC0897	Y			
		2414	INDAB 0.05	Y			methox↑ in 2+B
			New liner				

TCLP HERBICIDE DATA

QC Summary Section

FORM 2
WATER HERBICIDES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 1 REC#	S1 2 REC#	S2 1 REC#	S2 2 REC#	S3 1 REC#	S3 2 REC#	TOT OUT
01	WG91927-BLANK	WG91927-1	89	84					0
02	WG91927-LCS	WG91927-2	96	95					0
03	WG91927-LCSD	WG91927-3	101	103					0
04	WG91927-TCLPBLANK	WG91927-4	66	65					0
05	SITE6-IDW-2117	SE2818-6	88	92					0
06	SITE6-IDW-5526	SE2818-8	92	93					0
07	SITE6-IDW-782	SE2818-10	89	90					0
08	SITE6-IDW-954	SE2818-12	88	94					0
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 = 2,4-Dichlorophenylacet (35-126)

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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG91927-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Lab Sample ID: WG91927-1 Lab File ID: 8EE10237

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/24/11

Date Analyzed (1): 05/25/11 Date Analyzed (2): 05/25/11

Time Analyzed (1): 1341 Time Analyzed (2): 1341

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG91927-LCS	WG91927-2	8EE10238	05/25/11	05/25/11
02	WG91927-LCSD	WG91927-3	8EE10239	05/25/11	05/25/11
03	WG91927-TCLPBLANK	WG91927-4	8EE10240	05/25/11	05/25/11
04	SITE6-IDW-2117	SE2818-6	8EE10241	05/25/11	05/25/11
05	SITE6-IDW-5526	SE2818-8	8EE10242	05/25/11	05/25/11
06	SITE6-IDW-782	SE2818-10	8EE10243	05/25/11	05/25/11
07	SITE6-IDW-954	SE2818-12	8EE10244	05/25/11	05/25/11
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IVHERBICIDES

FORM 8
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/19/11 05/19/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.23

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		ICAL 0.5	05/19/11	1236	10.23	
02		ICAL 0.1	05/19/11	1304	10.23	
03		ICAL 0.25	05/19/11	1332	10.23	
04		ICAL 0.75	05/19/11	1400	10.23	
05		ICAL 1.0	05/19/11	1428	10.23	
06		ICAL 2.0	05/19/11	1456	10.23	
07		IND 0.5	05/19/11	1524		
08		CV 0.5	05/25/11	1200	10.23	
09	WG91927-BLAN	WG91927-1	05/25/11	1341	10.23	
10	WG91927-LCS	WG91927-2	05/25/11	1409	10.22	
11	WG91927-LCSD	WG91927-3	05/25/11	1437	10.22	
12	WG91927-TCLP	WG91927-4	05/25/11	1505	10.22	
13	SITE6-IDW-21	SE2818-6	05/25/11	1533	10.22	
14	SITE6-IDW-55	SE2818-8	05/25/11	1601	10.22	
15	SITE6-IDW-78	SE2818-10	05/25/11	1629	10.22	
16	SITE6-IDW-95	SE2818-12	05/25/11	1657	10.22	
17		CV 0.25	05/25/11	1753	10.22	
18						
19						
20						

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII HERBICIDES

FORM 8
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/19/11 05/19/11

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.60

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		ICAL 0.5	05/19/11	1236	10.60	
02		ICAL 0.1	05/19/11	1304	10.62	
03		ICAL 0.25	05/19/11	1332	10.62	
04		ICAL 0.75	05/19/11	1400	10.62	
05		ICAL 1.0	05/19/11	1428	10.62	
06		ICAL 2.0	05/19/11	1456	10.62	
07		IND 0.5	05/19/11	1524		
08		CV 0.5	05/25/11	1200	10.59	
09	WG91927-BLAN	WG91927-1	05/25/11	1341	10.60	
10	WG91927-LCS	WG91927-2	05/25/11	1409	10.61	
11	WG91927-LCSD	WG91927-3	05/25/11	1437	10.61	
12	WG91927-TCLP	WG91927-4	05/25/11	1505	10.62	
13	SITE6-IDW-21	SE2818-6	05/25/11	1533	10.62	
14	SITE6-IDW-55	SE2818-8	05/25/11	1601	10.62	
15	SITE6-IDW-78	SE2818-10	05/25/11	1629	10.62	
16	SITE6-IDW-95	SE2818-12	05/25/11	1657	10.61	
17		CV 0.25	05/25/11	1753	10.62	
18						
19						
20						

QC LIMITS
S1 = 2,4-Dichlorophenylacet (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII HERBICIDES

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* 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 Limit of Quantitation (LOQ)(previously called 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.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-6
Client ID: SITE6-IDW-2117
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 91.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		92.4	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10241.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10241.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 25-MAY-2011 15:33
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-6
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

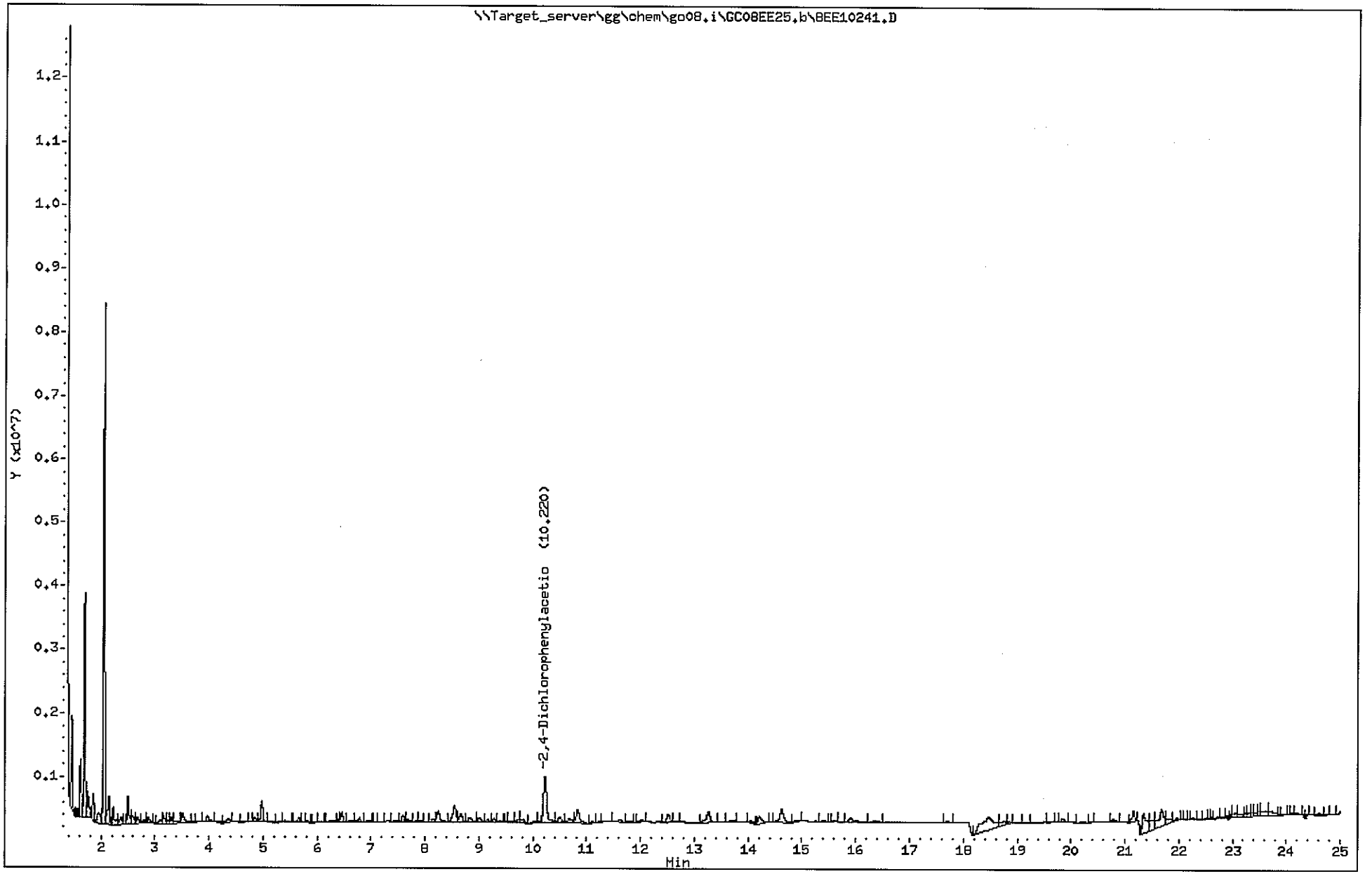
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.220	10.221	-0.001	714253	0.44209	22.1	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10241.D
Date : 25-MAY-2011 15:33
Client ID: SITE6-IDW-2117
Sample Info: SE2818-6
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000012

Data File: 8EE10241.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10241.D
Lab Smp Id: SE2818-6 Client Smp ID: SITE6-IDW-2117
Inj Date : 25-MAY-2011 15:33
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-6
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

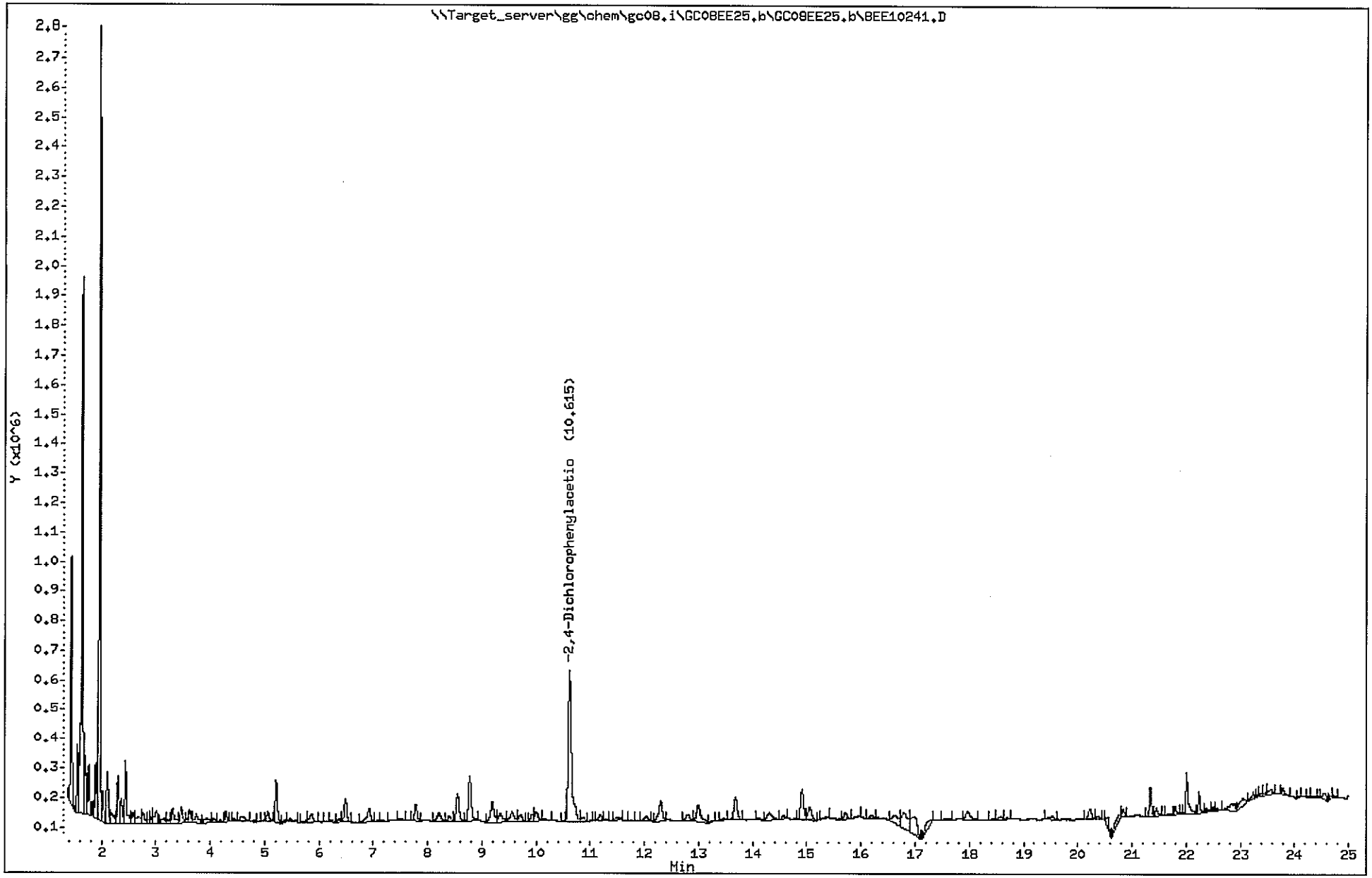
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.615	10.615	0.000	510885	0.46180	23.1	

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10241.D
Date : 25-MAY-2011 15:33
Client ID: SITE6-IDW-2117
Sample Info: SE2B18-6
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000014

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-8
Client ID: SITE6-IDW-5526
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 90.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		93.2	%					

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Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10242.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 25-MAY-2011 16:01
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-8
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

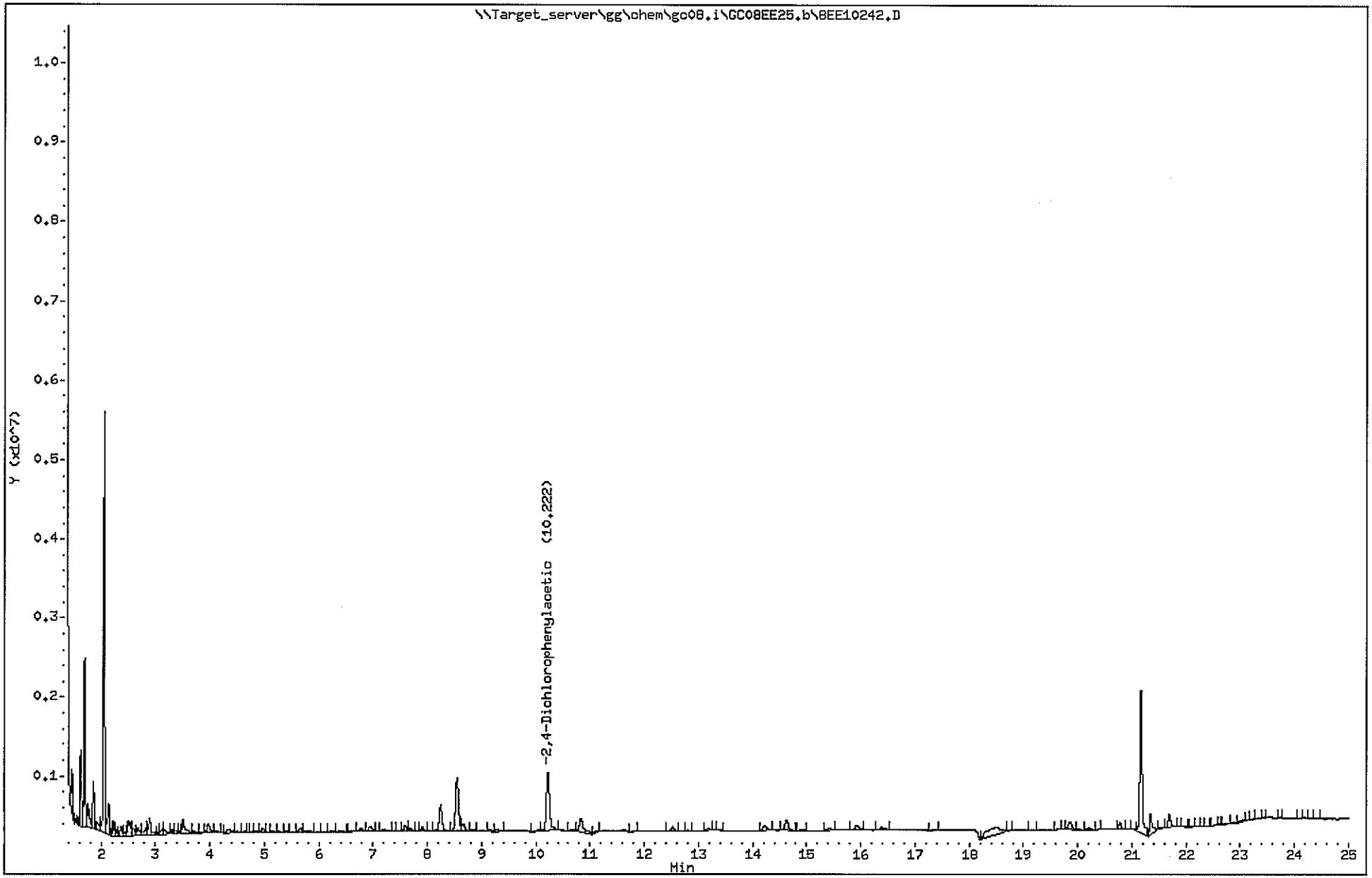
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.221	10.221	0.000	742923	0.45984	23.0	

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10242.D
Date : 25-MAY-2011 16:01
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000017

Data File: 8EE10242.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10242.D
Lab Smp Id: SE2818-8 Client Smp ID: SITE6-IDW-5526
Inj Date : 25-MAY-2011 16:01
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-8
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

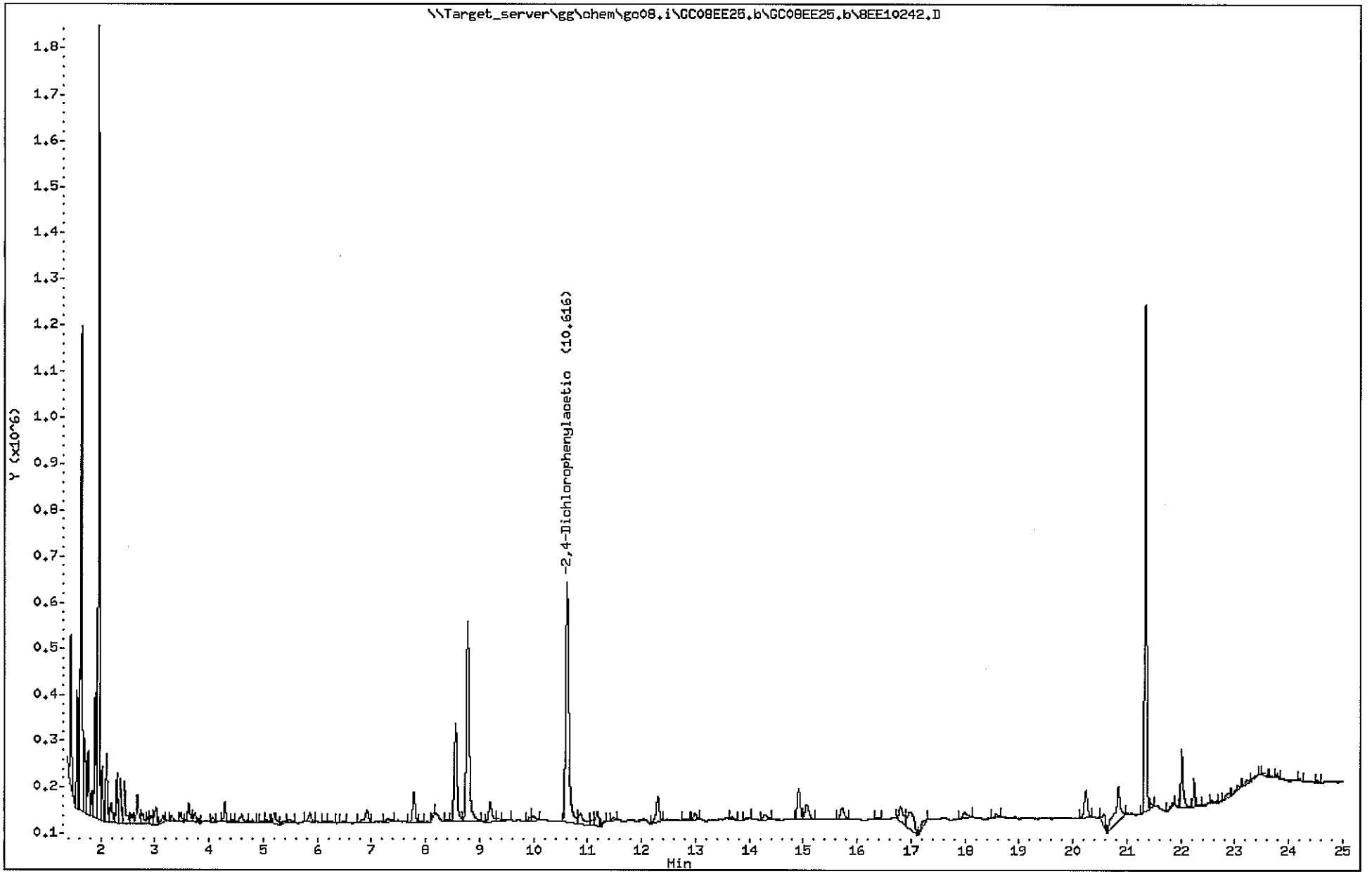
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.616	10.615	0.001	516600	0.46696	23.3	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\GC08EE25.b\8EE10242.D
Date : 25-MAY-2011 16:01
Client ID: SITE6-IDW-5526
Sample Info: SE2818-8
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000019

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-10
Client ID: SITE6-IDW-782
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 94.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		90.4	%					

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10243.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10243.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 25-MAY-2011 16:29
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-10
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

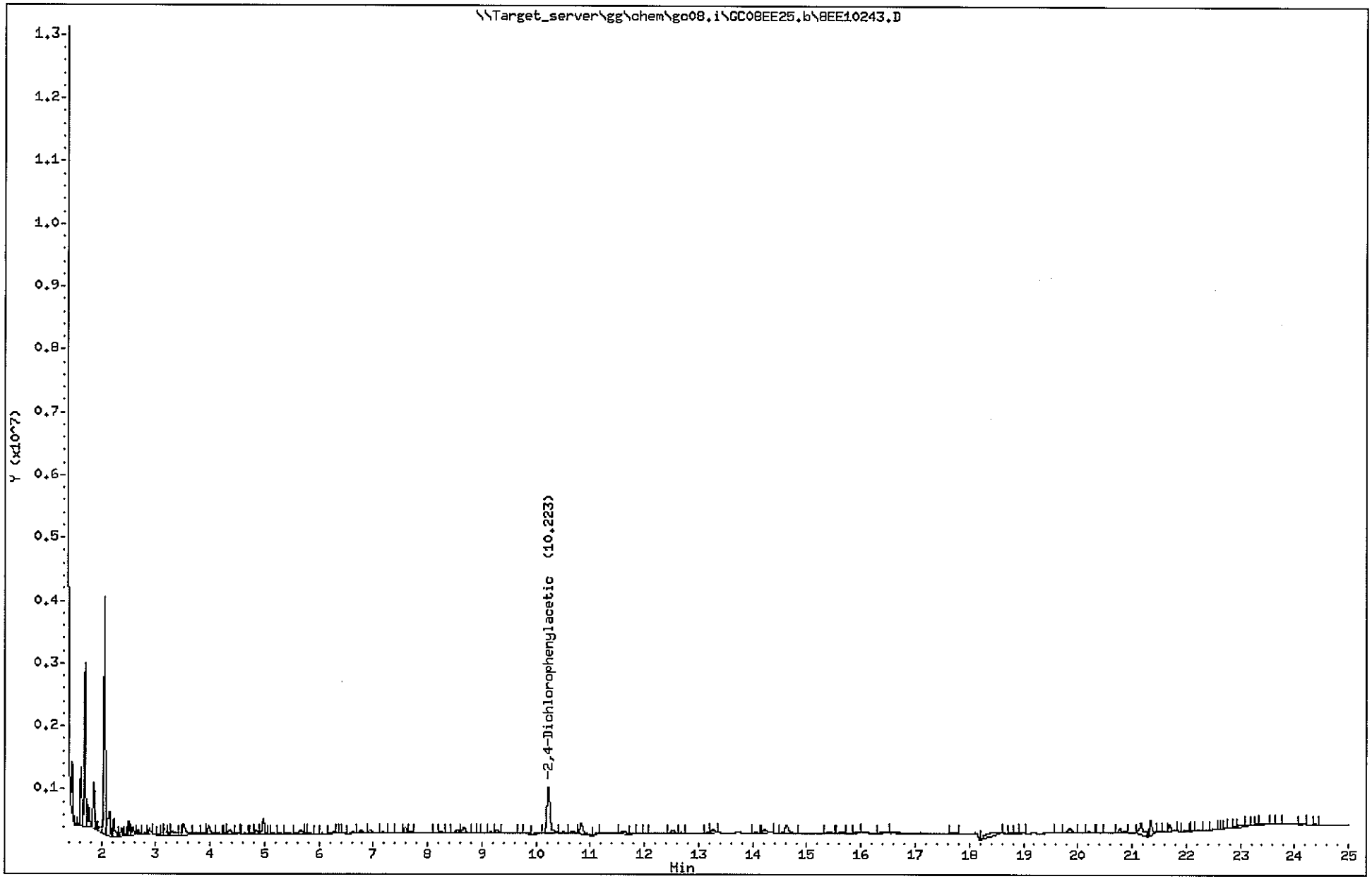
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.223	10.221	0.002	716836	0.44369	22.2	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10243.D
Date : 25-MAY-2011 16:29
Client ID: SITE6-IDW-782
Sample Info: SE2818-10
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000022

Data File: 8EE10243.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10243.D
Lab Smp Id: SE2818-10 Client Smp ID: SITE6-IDW-782
Inj Date : 25-MAY-2011 16:29
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-10
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

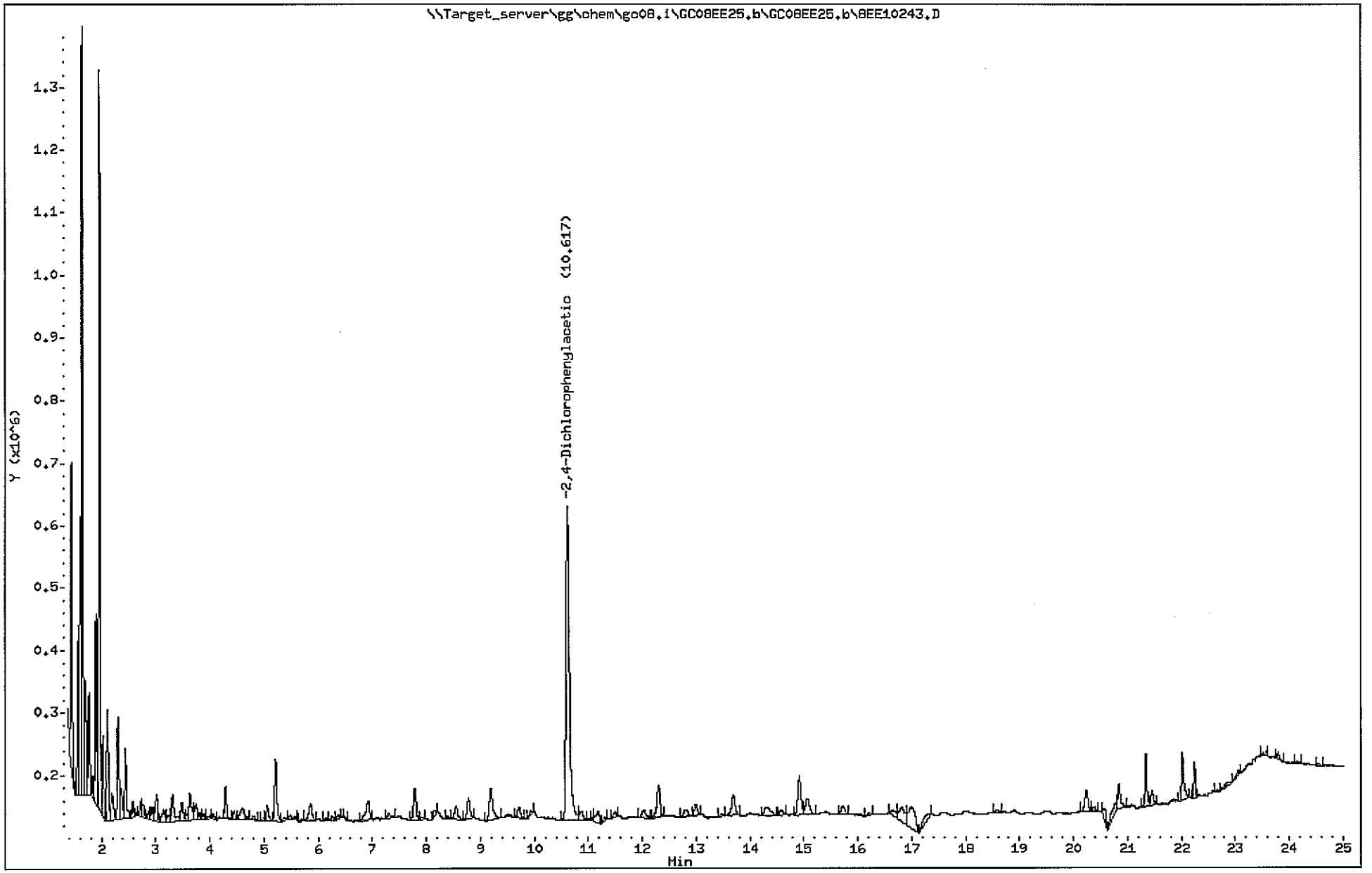
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.616	10.615	0.001	500669	0.45256	22.6	

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10243.D
Date : 25-MAY-2011 16:29
Client ID: SITE6-IDW-782
Sample Info: SE2818-10
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000024

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Osage of Virginia, Inc.
Lab ID: SE2818-12
Client ID: SITE6-IDW-954
Project: MCB Lejeune Site 6 LCRA
SDG: SE2818

Sample Date: 19-MAY-11
Received Date: 20-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: 92.
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		93.6	%					

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10244.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10244.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 16:57
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-12
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

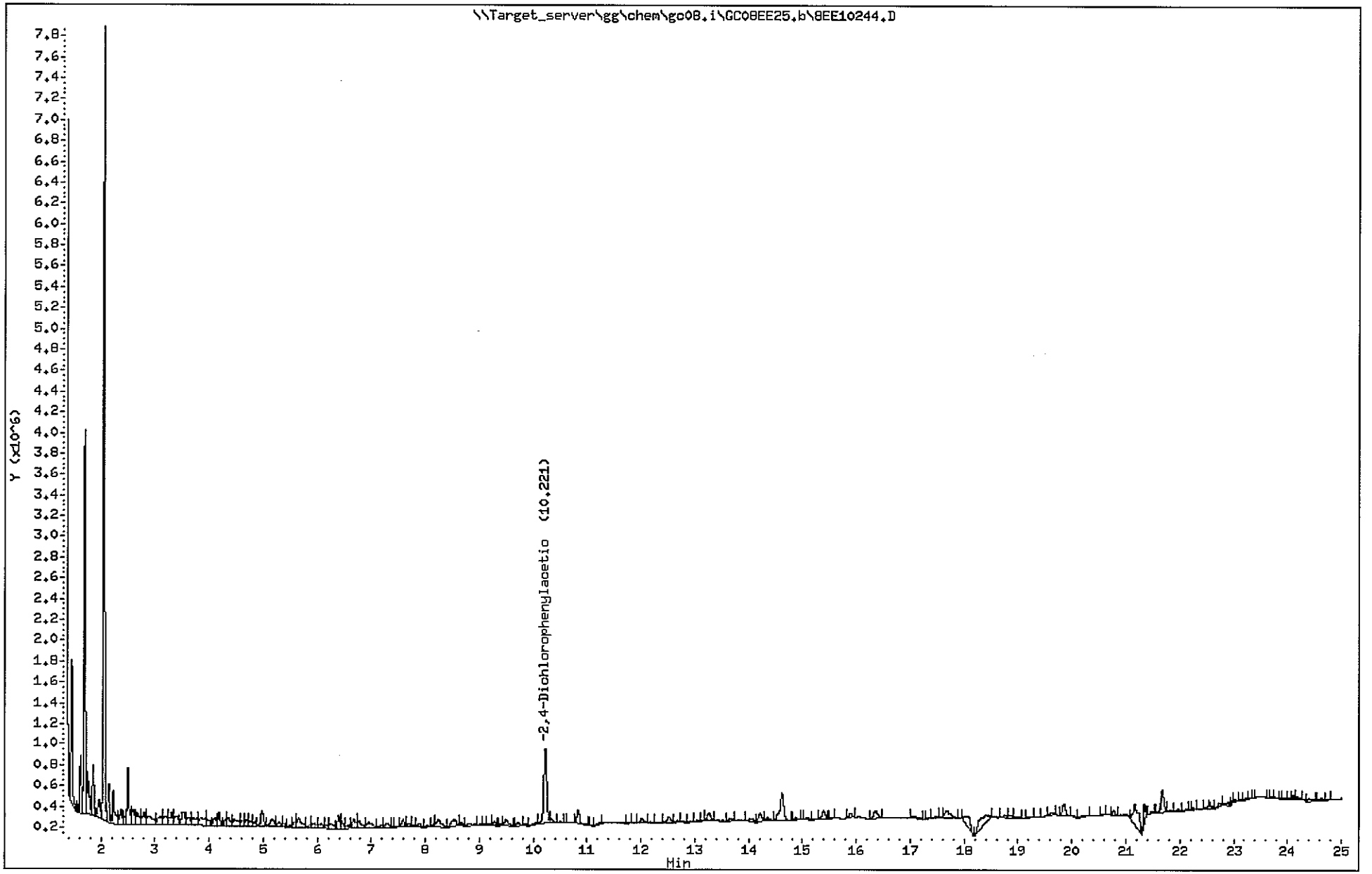
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.220	10.221	-0.001	712890	0.44125	22.1	

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10244.D
Date : 25-MAY-2011 16:57
Client ID: SITE6-IDW-954
Sample Info: SE2818-12
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000027

Data File: 8EE10244.D
Report Date: 26-May-2011 10:44

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10244.D
Lab Smp Id: SE2818-12 Client Smp ID: SITE6-IDW-954
Inj Date : 25-MAY-2011 16:57
Operator : JLP Inst ID: gc08.i
Smp Info : SE2818-12
Misc Info : WG91976,WG91927,8EE
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

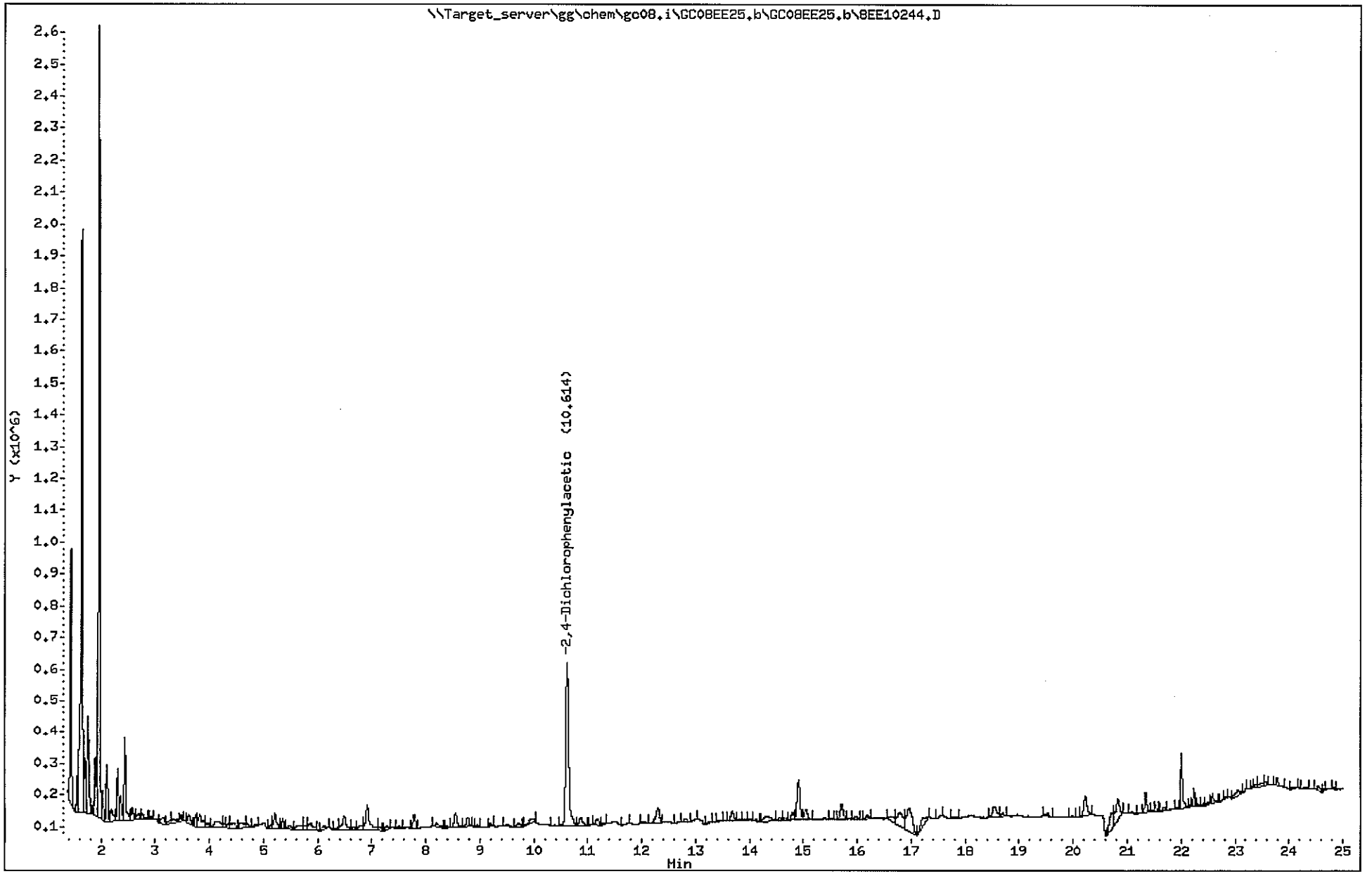
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.613	10.615	-0.002	518313	0.46851	23.4	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\GC08EE25.b\8EE10244.D
Date : 25-MAY-2011 16:57
Client ID: SITE6-IDW-954
Sample Info: SE2818-12
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000029

Standards Data Section

FORM 6
HERBICIDES INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/19/11 05/19/11

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1236 1456

LAB FILE ID: RF0.1: 8EE10155 RF0.25: 8EE10156 RF0.5: 8EE10154
RF0.75: 8EE10157 RF1: 8EE10158 RF2: 8EE10159

COMPOUND	RF0.1	RF0.25	RF0.5	RF0.75	RF1	RF2	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
2,4-D	1518200	1864700	2194100	1971900	1896800	1696400	AVRG	1857008.58	12.492	40.000
Silvex	9577800	1.e+007	9885000	8612800	7889100	6334800	AVRG	8719945.50	16.359	40.000
2,4-Dichlorophenylacetic	1886000	1814600	1707100	1547800	1468800	1269600	AVRG	1615628.58	14.302	40.000

FORM VI HERBICIDES

Report Date : 08-Jun-2011 11:57

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2011 12:36
End Cal Date : 19-MAY-2011 14:56
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Cal Date : 20-May-2011 09:10 gc08.i

Calibration File Names:
Level 1: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10155.D
Level 2: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10156.D
Level 3: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10154.D
Level 4: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10157.D
Level 5: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10158.D
Level 6: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10159.D

Compound	0.1000000 Level 1	0.2500000 Level 2	0.5000000 Level 3	0.7500000 Level 4	1.0000 Level 5	2.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dalapon	6034190	6310772	5868476	5751323	5566333	4808328	AVRG		5723237		8.99611
3 Dicamba	7731930	7194728	6587634	5959685	5625471	4721595	AVRG		6303507		17.37224
4 MCPP	15238	90392	228096	357560	478041	948519	LINR	3.49340	4863		0.99854
5 MCPA	5442	83092	252589	407090	554999	1124879	LINR	6.13118	5822		0.99751
6 Dichloroprop	1794000	1801812	1771570	1683779	1573458	1417443	AVRG		1673677		9.11168
7 2,4-D	1518180	1864716	2194076	1971868	1896839	1696373	AVRG		1857009		12.49186
8 Pentachlorophenol	2926741	6845697	12331230	15471529	19409227	28346998	QUAD	0.02274	1.665e-008	1.856e-015	0.99848
9 Silvex	9577780	10020240	9885020	8612784	7889087	6334762	AVRG		8719946		16.35940
10 2,4,5-T	6799520	7945812	9698370	8048005	7688563	6392372	AVRG		7762107		14.88291
11 Dinoseb	7215360	7669452	8342460	7451307	7090750	5995810	AVRG		7294190		10.61542
12 2,4-DB	742380	815572	892922	791965	788206	730535	AVRG		793597		7.34321
2 2,4-Dichlorophenylacetic Acid	1885950	1814562	1707125	1547776	1468799	1269560	AVRG		1615629		14.30163

Katahdin Analytical Services 9000032

Report Date : 08-Jun-2011 11:57

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2011 12:36
End Cal Date : 19-MAY-2011 14:56
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Cal Date : 20-May-2011 09:10 gc08.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM 6
HERBICIDES INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date(s): 05/19/11 05/19/11

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1236 1456

LAB FILE ID: RF0.1: 8EE10155 RF0.25: 8EE10156 RF0.5: 8EE10154
RF0.75: 8EE10157 RF1: 8EE10158 RF2: 8EE10159

COMPOUND	RF0.1	RF0.25	RF0.5	RF0.75	RF1	RF2	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
2,4-D	996400	1202100	1414300	1311100	1316700	1225800	AVRG	1244399.47	11.488	40.000
Silvex	4995700	5395100	5682200	5180700	4936500	4294900	AVRG	5080839.78	9.299	40.000
2,4-Dichlorophenylacetic	1188000	1181100	1151300	1098900	1066800	951690	AVRG	1106295.04	8.066	40.000

FORM VI HERBICIDES

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10154.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10154.D
Lab Smp Id: ICAL 0.5
Inj Date : 19-MAY-2011 12:36
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 12:36 Cal File: 8EE10154.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

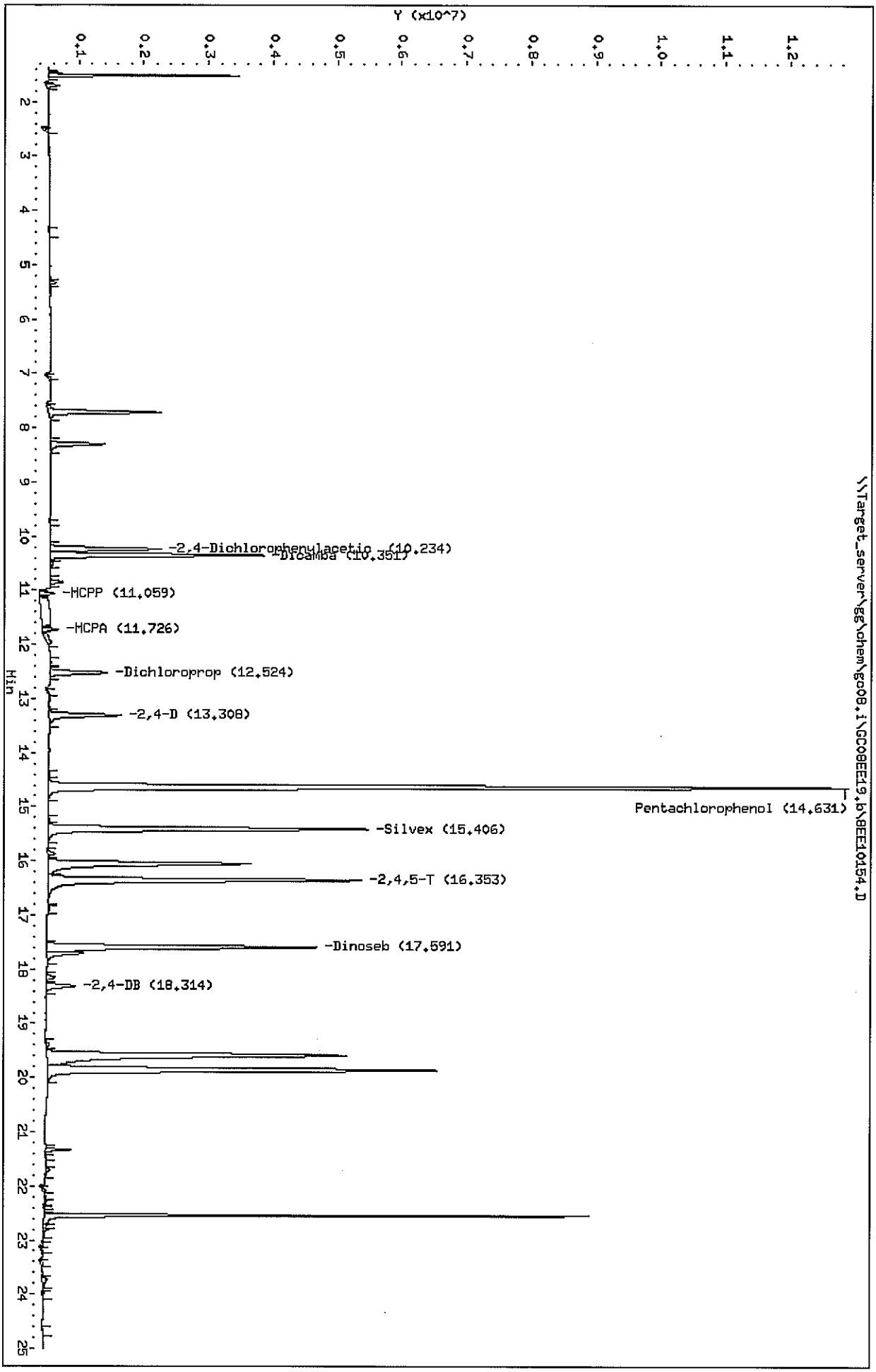
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.526	1.524	0.002	2934238	0.50000	0.500(a)	
$ 2 2,4-Dichlorophenylacetic Acid	10.234	10.234	0.000	1707125	1.00000	1.00	
3 Dicamba	10.351	10.344	0.007	3293817	0.50000	0.500(a)	
4 MCPP	11.059	11.051	0.008	228096	50.0000	50.0(a)	
5 MCPA	11.726	11.721	0.005	252589	50.0000	50.0(a)	
6 Dichloroprop	12.524	12.517	0.007	885785	0.50000	0.500(a)	
7 2,4-D	13.307	13.304	0.003	1097038	0.50000	0.500(a)	
8 Pentachlorophenol	14.631	14.626	0.005	12331230	0.50000	0.500(a)	
9 Silvex	15.406	15.407	-0.001	4942510	0.50000	0.500(a)	
10 2,4,5-T	16.352	16.357	-0.005	4849185	0.50000	0.500(a)	
11 Dinoseb	17.591	17.589	0.002	4171230	0.50000	0.500(a)	
12 2,4-DB	18.314	18.317	-0.003	446461	0.50000	0.500(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10154.D
Date : 19-MAY-2011 12:36
Client ID:
Sample Info: ICAL 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10154.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10154.D
Lab Smp Id: ICAL 0.5
Inj Date : 19-MAY-2011 12:36
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 12:36 Cal File: 8EE10154.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

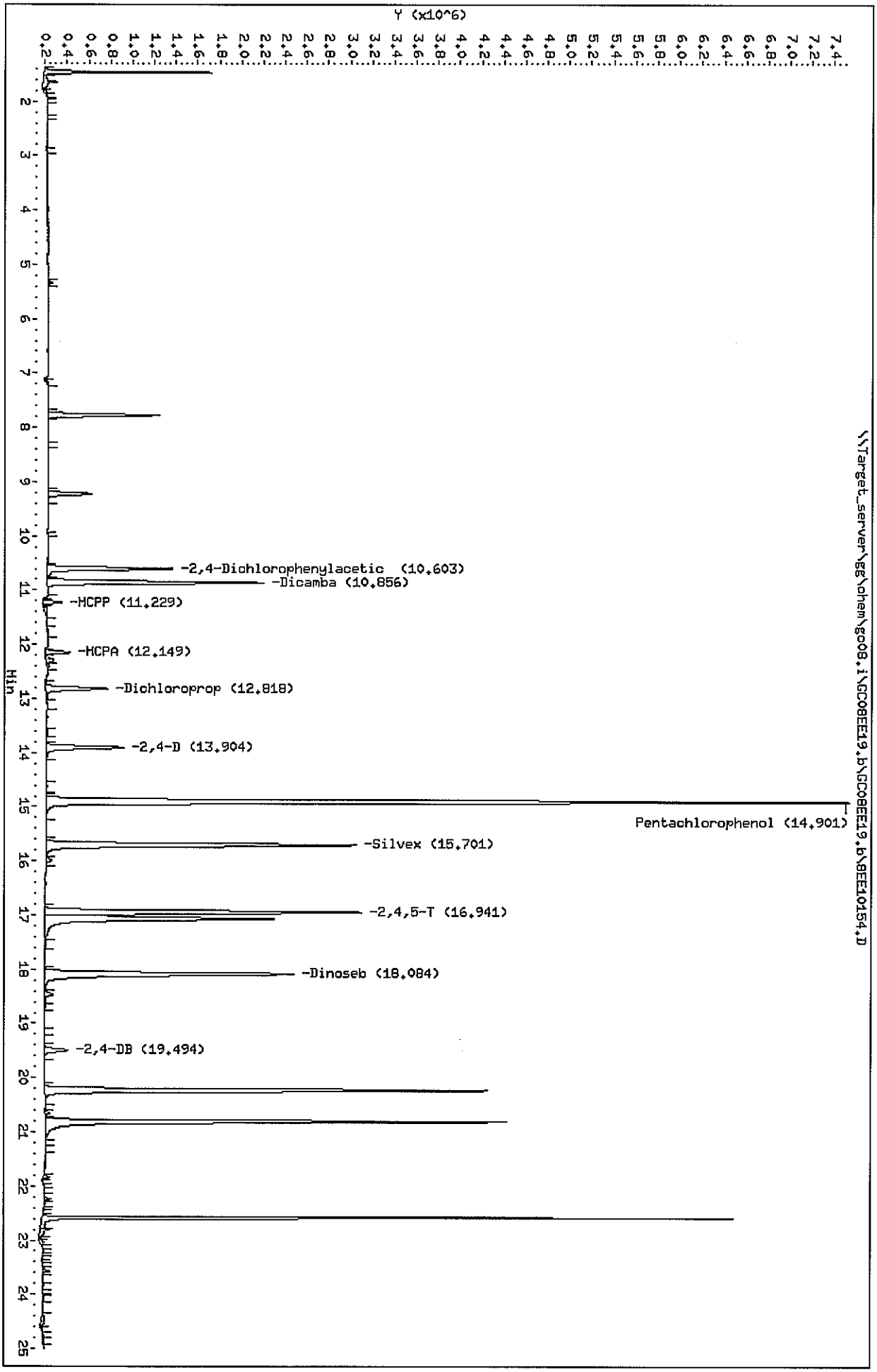
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.470	1.475	-0.005	1520933	0.50000	0.500(a)	
$ 2 2,4-Dichlorophenylacetic Acid	10.602	10.602	0.000	1151345	1.00000	1.00	
3 Dicamba	10.855	10.869	-0.014	1970819	0.50000	0.500(a)	
4 MCPP	11.229	11.242	-0.013	175049	50.0000	50.0(a)	
5 MCPA	12.149	12.160	-0.011	227337	50.0000	50.0(a)	
6 Dichloroprop	12.817	12.829	-0.012	560027	0.50000	0.500(a)	
7 2,4-D	13.904	13.917	-0.013	707152	0.50000	0.500(a)	
8 Pentachlorophenol	14.900	14.910	-0.010	7311338	0.50000	0.500(a)	
9 Silvex	15.700	15.714	-0.014	2841088	0.50000	0.500(a)	
10 2,4,5-T	16.940	16.959	-0.019	2889426	0.50000	0.500(a)	
11 Dinoseb	18.084	18.094	-0.010	2273050	0.50000	0.500(a)	
12 2,4-DB	19.494	19.505	-0.011	208162	0.50000	0.500(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\GC08EE19.b\8EE10154.D
Date : 19-MAY-2011 12:36
Client ID:
Sample Info: ICAL 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10155.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10155.D
Lab Smp Id: ICAL 0.1
Inj Date : 19-MAY-2011 13:04
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.1
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 13:04 Cal File: 8EE10155.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.523	1.524	-0.001	603419	0.10000	0.100(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.230	10.234	-0.004	377190	0.20000	0.200	
	3 Dicamba	10.343	10.344	-0.001	773193	0.10000	0.100(a)	
	4 MCPP	11.047	11.051	-0.004	15238	10.0000	10.0(a)	
	5 MCPA	11.718	11.721	-0.003	5442	10.0000	10.0(aM)	M6
	6 Dichloroprop	12.523	12.517	0.006	179400	0.10000	0.100(a)	
	7 2,4-D	13.318	13.304	0.014	151818	0.10000	0.100(a)	
	8 Pentachlorophenol	14.628	14.626	0.002	2926741	0.10000	0.100(a)	
	9 Silvex	15.417	15.407	0.010	957778	0.10000	0.100(a)	
	10 2,4,5-T	16.388	16.357	0.031	679952	0.10000	0.100(a)	
	11 Dinoseb	17.598	17.589	0.009	721536	0.10000	0.100(aM)	M9
	12 2,4-DB	18.325	18.317	0.008	74238	0.10000	0.100(a)	

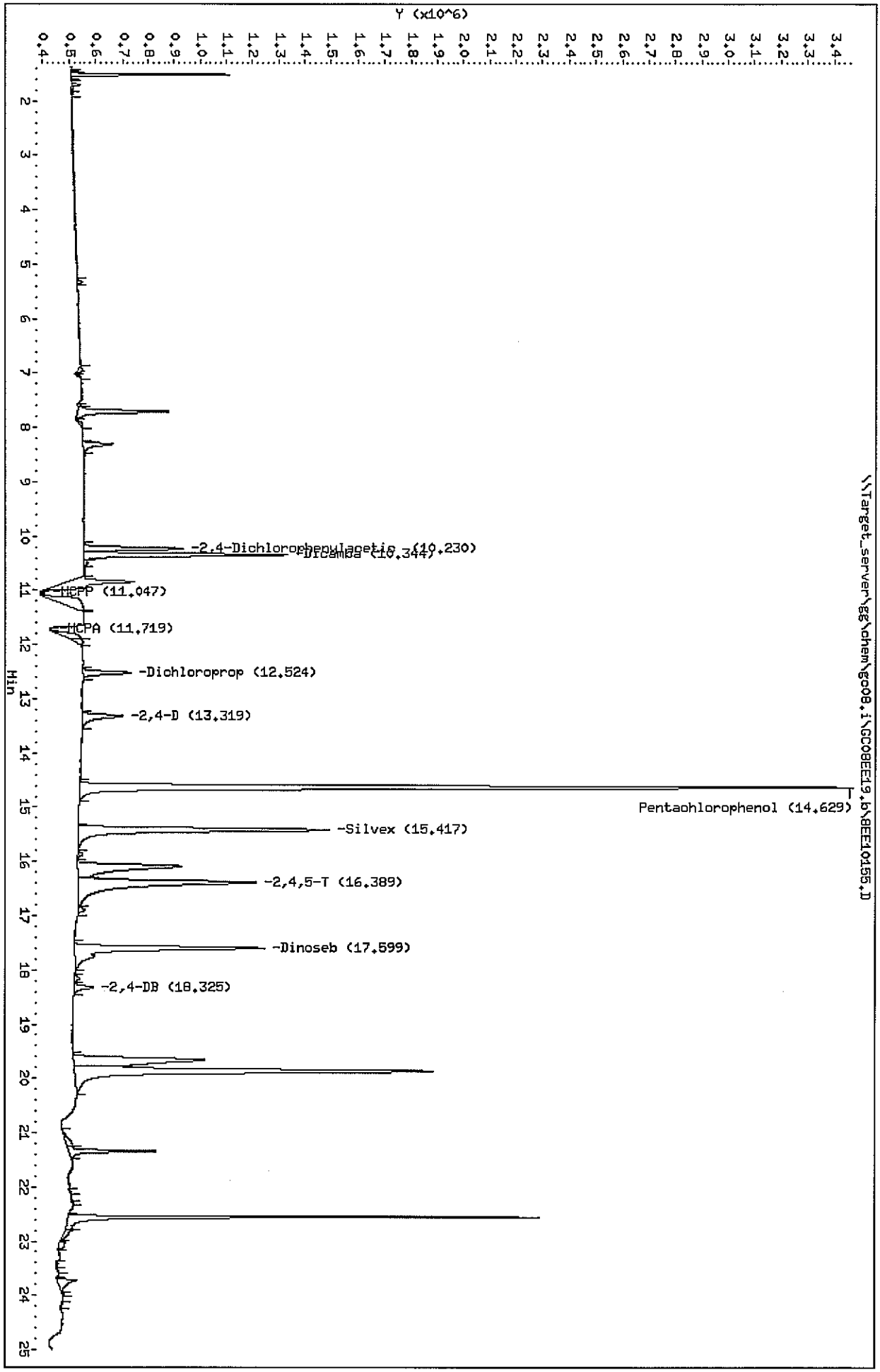
JLP 060811

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\gc08.i\GC08EE19.b\8EE10155.D
Date : 19-MAY-2011 13:04
Client ID:
Sample Info: ICAL 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10155.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10155.D
Lab Smp Id: ICAL 0.1
Inj Date : 19-MAY-2011 13:04
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.1
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 13:04 Cal File: 8EE10155.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

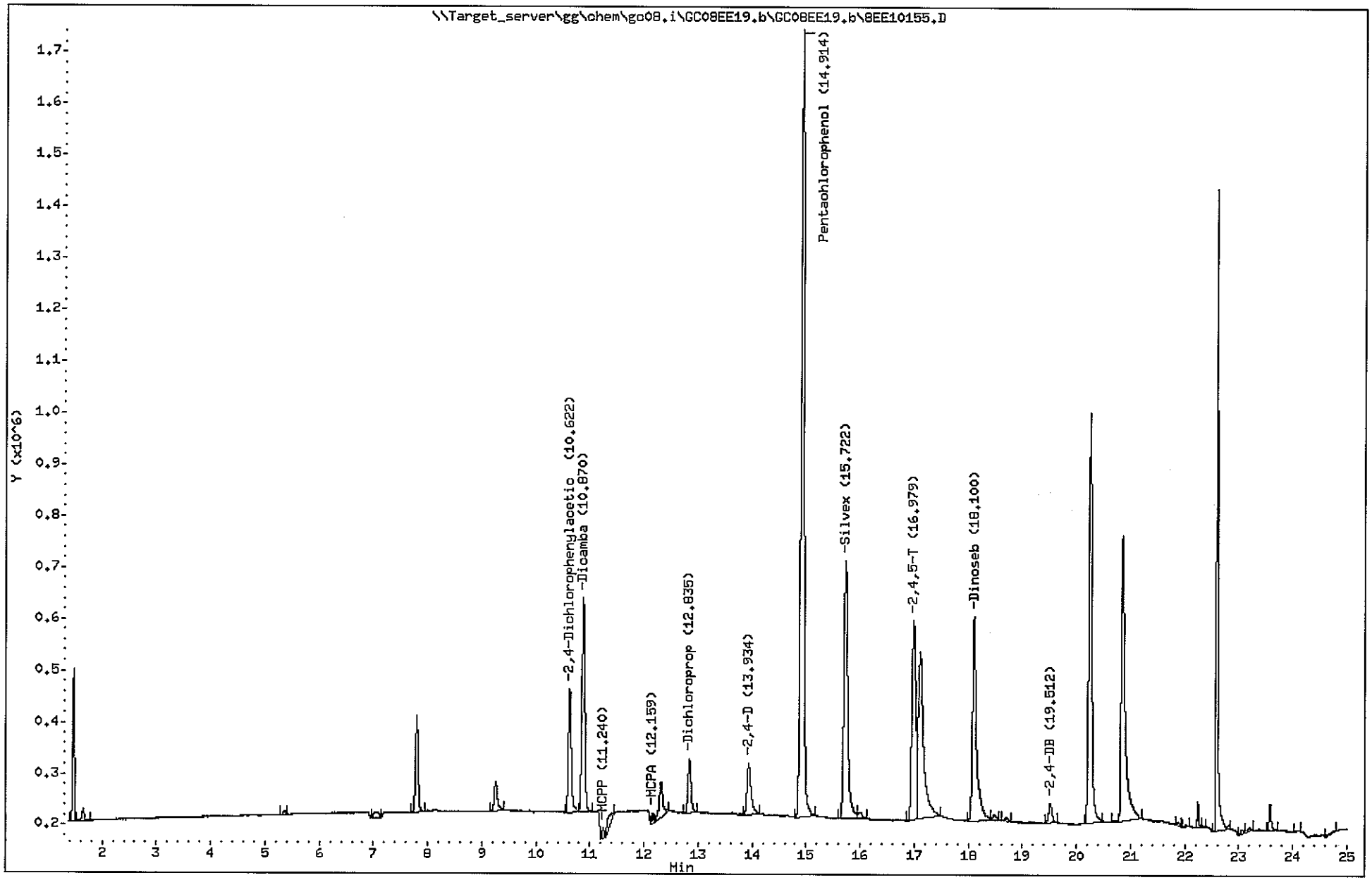
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.473	1.475	-0.002	295288	0.10000	0.100(a)	
$ 2 2,4-Dichlorophenylacetic Acid	10.621	10.602	0.019	237595	0.20000	0.200	
3 Dicamba	10.870	10.869	0.001	413852	0.10000	0.100(a)	
4 MCPP	11.240	11.242	-0.002	19189	10.0000	10.0(a)	
5 MCPA	12.158	12.160	-0.002	19341	10.0000	10.0(a)	
6 Dichloroprop	12.835	12.829	0.006	103771	0.10000	0.100(a)	
7 2,4-D	13.933	13.917	0.016	99640	0.10000	0.100(a)	
8 Pentachlorophenol	14.913	14.910	0.003	1526330	0.10000	0.100(a)	
9 Silvex	15.721	15.714	0.007	499566	0.10000	0.100(a)	
10 2,4,5-T	16.978	16.959	0.019	383797	0.10000	0.100(a)	
11 Dinoseb	18.100	18.094	0.006	394457	0.10000	0.100(a)	
12 2,4-DB	19.511	19.505	0.006	36384	0.10000	0.100(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\GC08EE19.b\8EE10155.D
Date : 19-MAY-2011 13:04
Client ID:
Sample Info: ICAL 0.1
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000042

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10156.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10156.D
Lab Smp Id: ICAL 0.25
Inj Date : 19-MAY-2011 13:32
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.25
Misc Info : WG91730,WG91573,8EE,SE2661-1
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 13:32 Cal File: 8EE10156.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

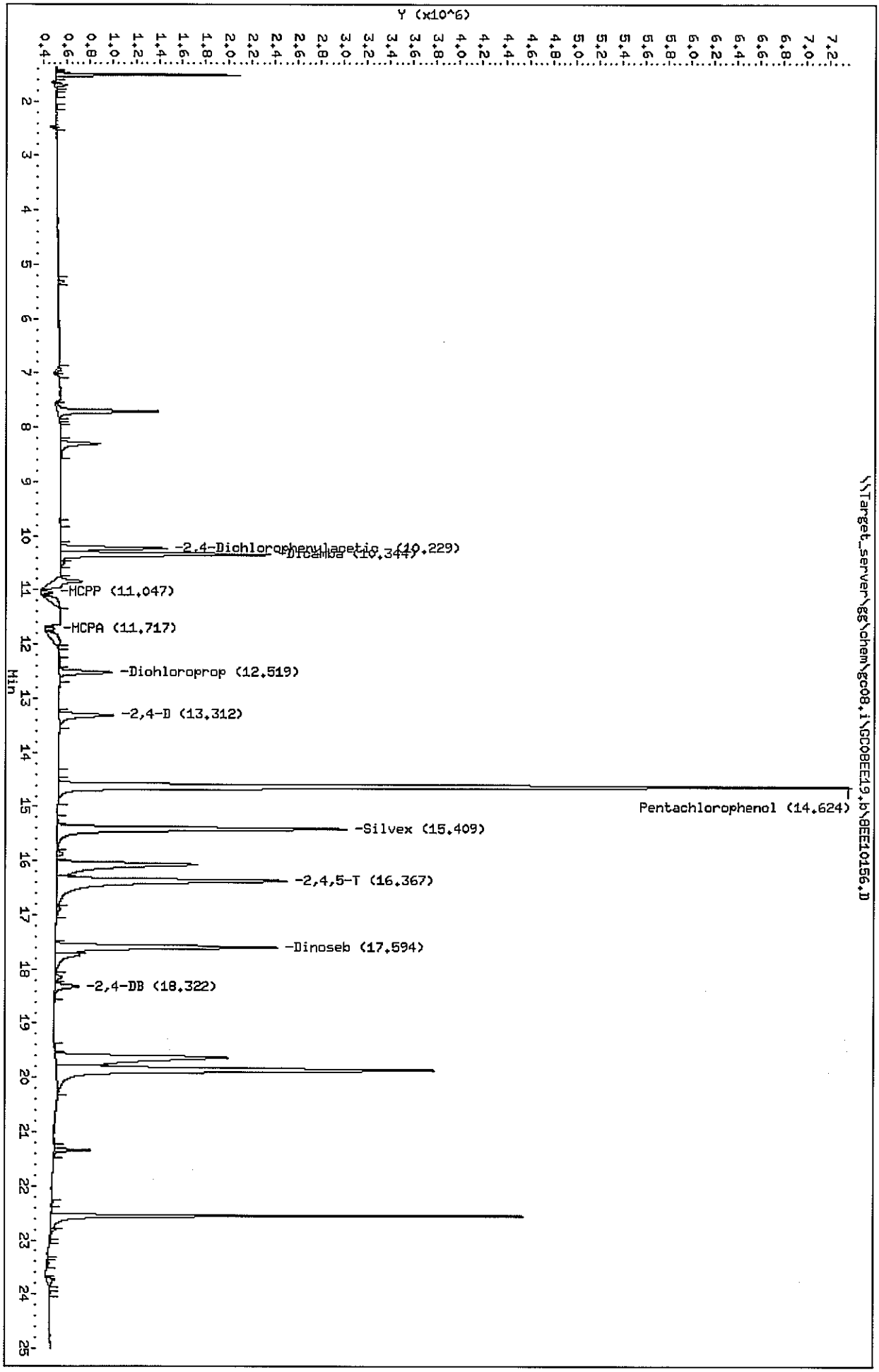
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.527	1.524	0.003	1577693	0.25000	0.254(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.229	10.234	-0.005	907281	0.50000	0.500	
	3 Dicamba	10.344	10.344	0.000	1798682	0.25000	0.250(a)	
	4 MCPP	11.047	11.051	-0.004	90392	25.0000	25.8(a)	
	5 MCPA	11.717	11.721	-0.004	83092	25.0000	25.4(a)	
	6 Dichloroprop	12.519	12.517	0.002	450453	0.25000	0.250(a)	
	7 2,4-D	13.312	13.304	0.008	466179	0.25000	0.254(a)	
	8 Pentachlorophenol	14.624	14.626	-0.002	6845697	0.25000	0.251(a)	
	9 Silvex	15.409	15.407	0.002	2505060	0.25000	0.252(a)	
	10 2,4,5-T	16.367	16.357	0.010	1986453	0.25000	0.252(a)	
	11 Dinoseb	17.594	17.589	0.005	1917363	0.25000	0.251(a)	
	12 2,4-DB	18.322	18.317	0.005	203893	0.25000	0.252(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10156.D
Date : 19-MAY-2011 13:32
Client ID:
Sample Info: ICAL 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10156.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10156.D
Lab Smp Id: ICAL 0.25
Inj Date : 19-MAY-2011 13:32
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.25
Misc Info : WG91730,WG91573,8EE,SE2661-1
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 13:32 Cal File: 8EE10156.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

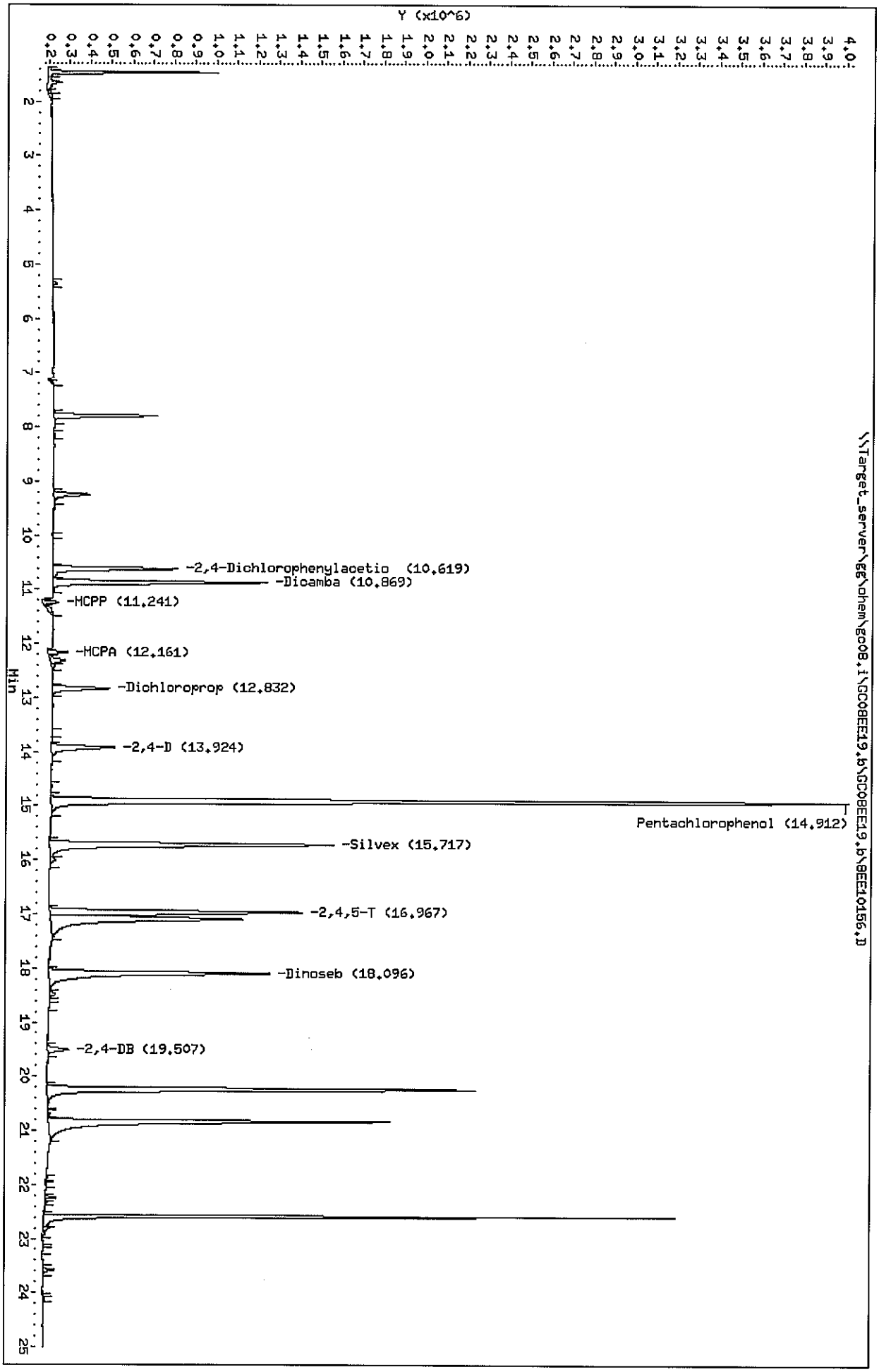
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.477	1.475	0.002	807633	0.25000	0.255(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.618	10.602	0.016	590535	0.50000	0.501	
	3 Dicamba	10.868	10.869	-0.001	1018929	0.25000	0.250(a)	
	4 MCPP	11.240	11.242	-0.002	75280	25.0000	25.8(a)	
	5 MCPA	12.160	12.160	0.000	91441	25.0000	25.8(a)	
	6 Dichloroprop	12.832	12.829	0.003	269257	0.25000	0.250(a)	
	7 2,4-D	13.923	13.917	0.006	300524	0.25000	0.253(a)	
	8 Pentachlorophenol	14.912	14.910	0.002	3800212	0.25000	0.251(a)	
	9 Silvex	15.717	15.714	0.003	1348777	0.25000	0.252(a)	
	10 2,4,5-T	16.967	16.959	0.008	1201107	0.25000	0.254(a)	
	11 Dinoseb	18.095	18.094	0.001	1050284	0.25000	0.251(a)	
	12 2,4-DB	19.507	19.505	0.002	97008	0.25000	0.251(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\GC08EE19.b\8EE10156.D
Date : 19-MAY-2011 13:32
Client ID:
Sample Info: ICAL 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10157.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10157.D
Lab Smp Id: ICAL 0.75
Inj Date : 19-MAY-2011 14:00
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.75
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 14:00 Cal File: 8EE10157.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.526	1.524	0.002	4313492	0.75000	0.752(a)	
$ 2 2,4-Dichlorophenylacetic Acid	10.226	10.234	-0.008	2321664	1.50000	1.49	
3 Dicamba	10.341	10.344	-0.003	4469764	0.75000	0.747(a)	
4 MCPP	11.053	11.051	0.002	357560	75.0000	74.4(a)	
5 MCPA	11.723	11.721	0.002	407090	75.0000	74.3(a)	
6 Dichloroprop	12.516	12.517	-0.001	1262834	0.75000	0.748(a)	
7 2,4-D	13.303	13.304	-0.001	1478901	0.75000	0.734(a)	
8 Pentachlorophenol	14.625	14.626	-0.001	15471529	0.75000	0.735(a)	
9 Silvex	15.403	15.407	-0.004	6459588	0.75000	0.738(a)	
10 2,4,5-T	16.353	16.357	-0.004	6036004	0.75000	0.718(a)	
11 Dinoseb	17.588	17.589	-0.001	5588480	0.75000	0.737(a)	
12 2,4-DB	18.315	18.317	-0.002	593974	0.75000	0.736(a)	

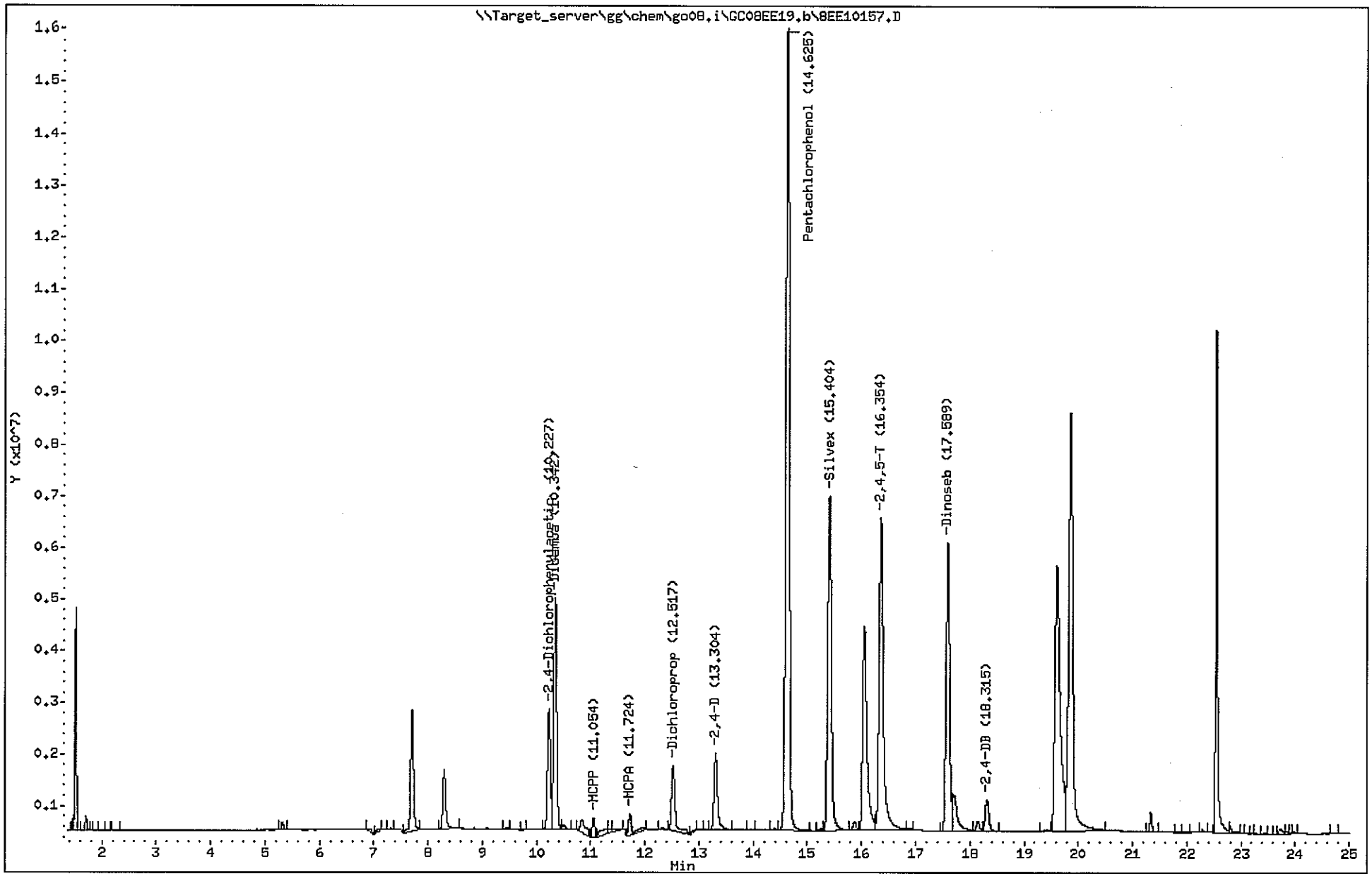
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\8EE10157.D
Date : 19-MAY-2011 14:00
Client ID:
Sample Info: ICAL 0.75
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000048

Data File: 8EE10157.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10157.D
Lab Smp Id: ICAL 0.75
Inj Date : 19-MAY-2011 14:00
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 0.75
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 14:00 Cal File: 8EE10157.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.478	1.475	0.003	2298234	0.75000	0.752(a)	
$ 2 2,4-Dichlorophenylacetic Acid	10.616	10.602	0.014	1648311	1.50000	1.50	
3 Dicamba	10.868	10.869	-0.001	2804415	0.75000	0.748(a)	
4 MCPP	11.245	11.242	0.003	271783	75.0000	74.6(a)	
5 MCPA	12.161	12.160	0.001	351995	75.0000	74.4(a)	
6 Dichloroprop	12.830	12.829	0.001	799764	0.75000	0.745(a)	
7 2,4-D	13.918	13.917	0.001	983302	0.75000	0.738(a)	
8 Pentachlorophenol	14.911	14.910	0.001	9961116	0.75000	0.745(a)	
9 Silvex	15.711	15.714	-0.003	3885542	0.75000	0.741(a)	
10 2,4,5-T	16.953	16.959	-0.006	3881270	0.75000	0.733(a)	
11 Dinoseb	18.090	18.094	-0.004	3186631	0.75000	0.742(a)	
12 2,4-DB	19.501	19.505	-0.004	301892	0.75000	0.745(a)	

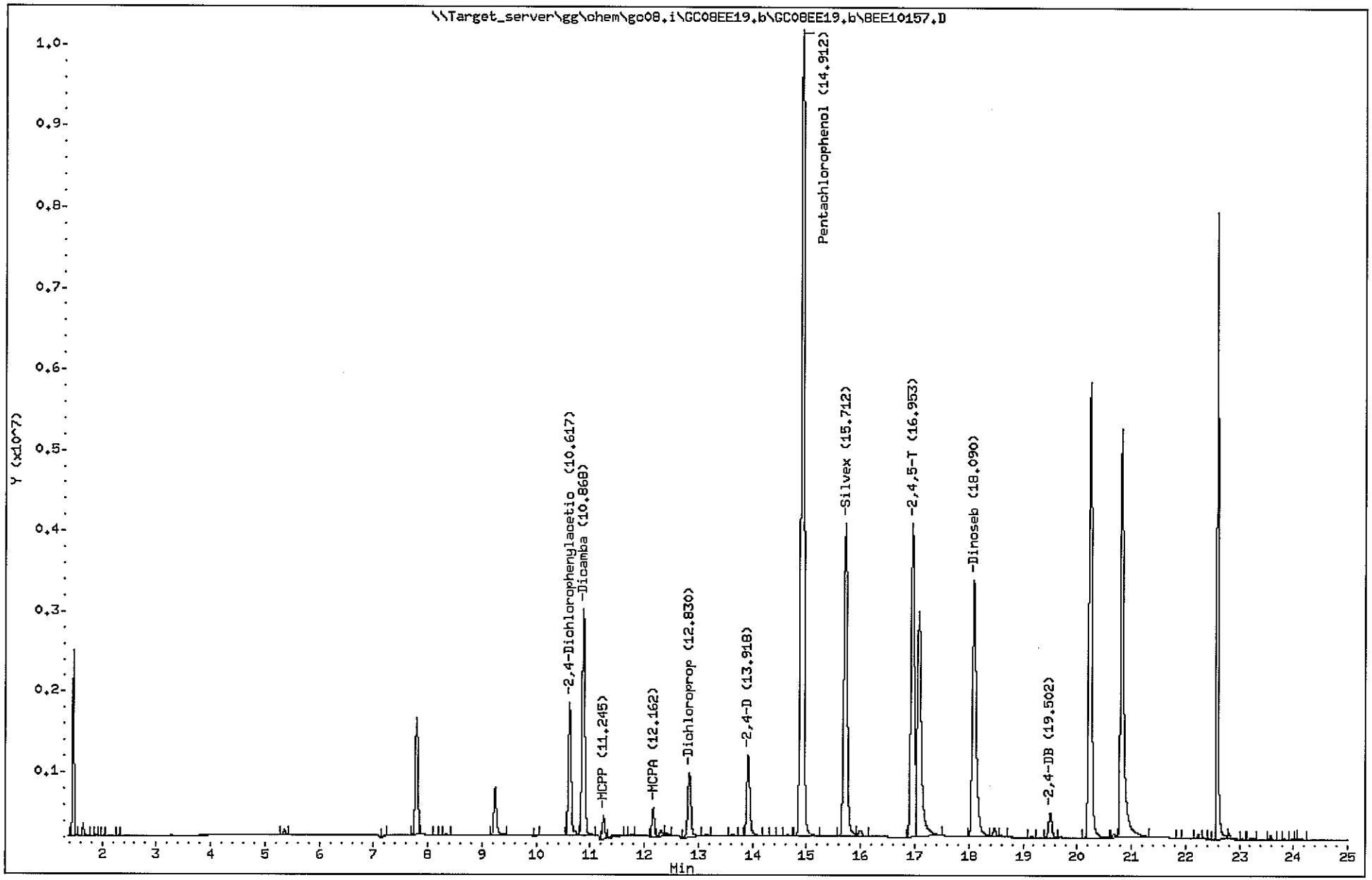
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10157.D
Date : 19-MAY-2011 14:00
Client ID:
Sample Info: ICAL 0.75
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000050

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10158.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10158.D
Lab Smp Id: ICAL 1.0
Inj Date : 19-MAY-2011 14:28
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 14:28 Cal File: 8EE10158.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

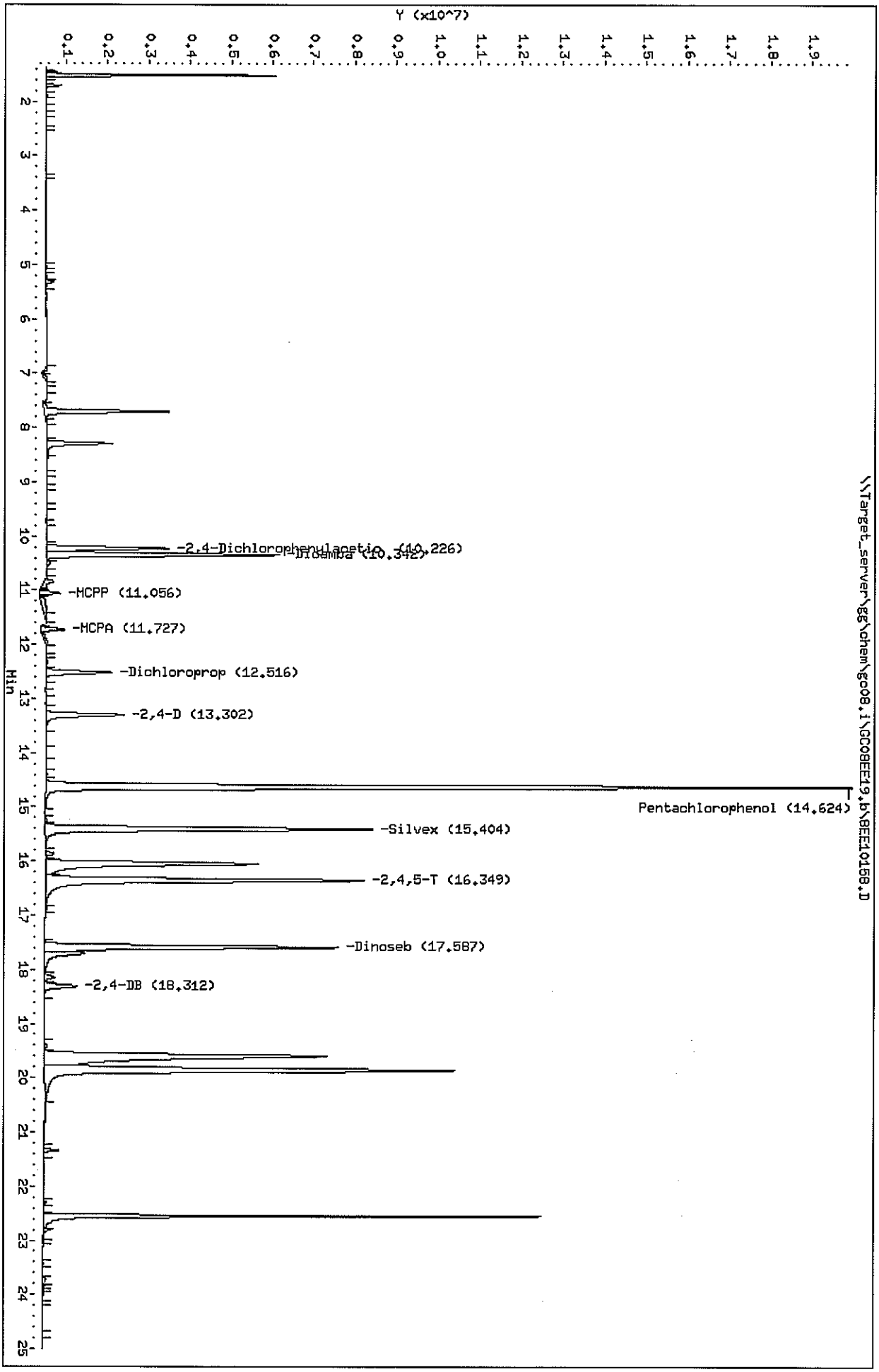
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.528	1.524	0.004	5566333	1.00000	1.000(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.225	10.234	-0.009	2937597	2.00000	2.00	
	3 Dicamba	10.342	10.344	-0.002	5625471	1.00000	1.00(a)	
	4 MCPP	11.055	11.051	0.004	478041	100.000	99.2(a)	
	5 MCPA	11.727	11.721	0.006	554999	100.000	99.1(a)	
	6 Dichloroprop	12.515	12.517	-0.002	1573458	1.00000	0.993(a)	
	7 2,4-D	13.302	13.304	-0.002	1896839	1.00000	0.996(a)	
	8 Pentachlorophenol	14.623	14.626	-0.003	19409227	1.00000	1.01(aA)	
	9 Silvex	15.403	15.407	-0.004	7889087	1.00000	0.993(a)	
	10 2,4,5-T	16.348	16.357	-0.009	7688563	1.00000	0.995(a)	
	11 Dinoseb	17.587	17.589	-0.002	7090750	1.00000	0.997(a)	
	12 2,4-DB	18.312	18.317	-0.005	788206	1.00000	1.00(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\go08.i\GC08EE19.b\8EE10158.D
Date : 19-MAY-2011 14:28
Client ID:
Sample Info: ICAL 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Data File: 8EE10158.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10158.D
Lab Smp Id: ICAL 1.0
Inj Date : 19-MAY-2011 14:28
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 1.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 14:28 Cal File: 8EE10158.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

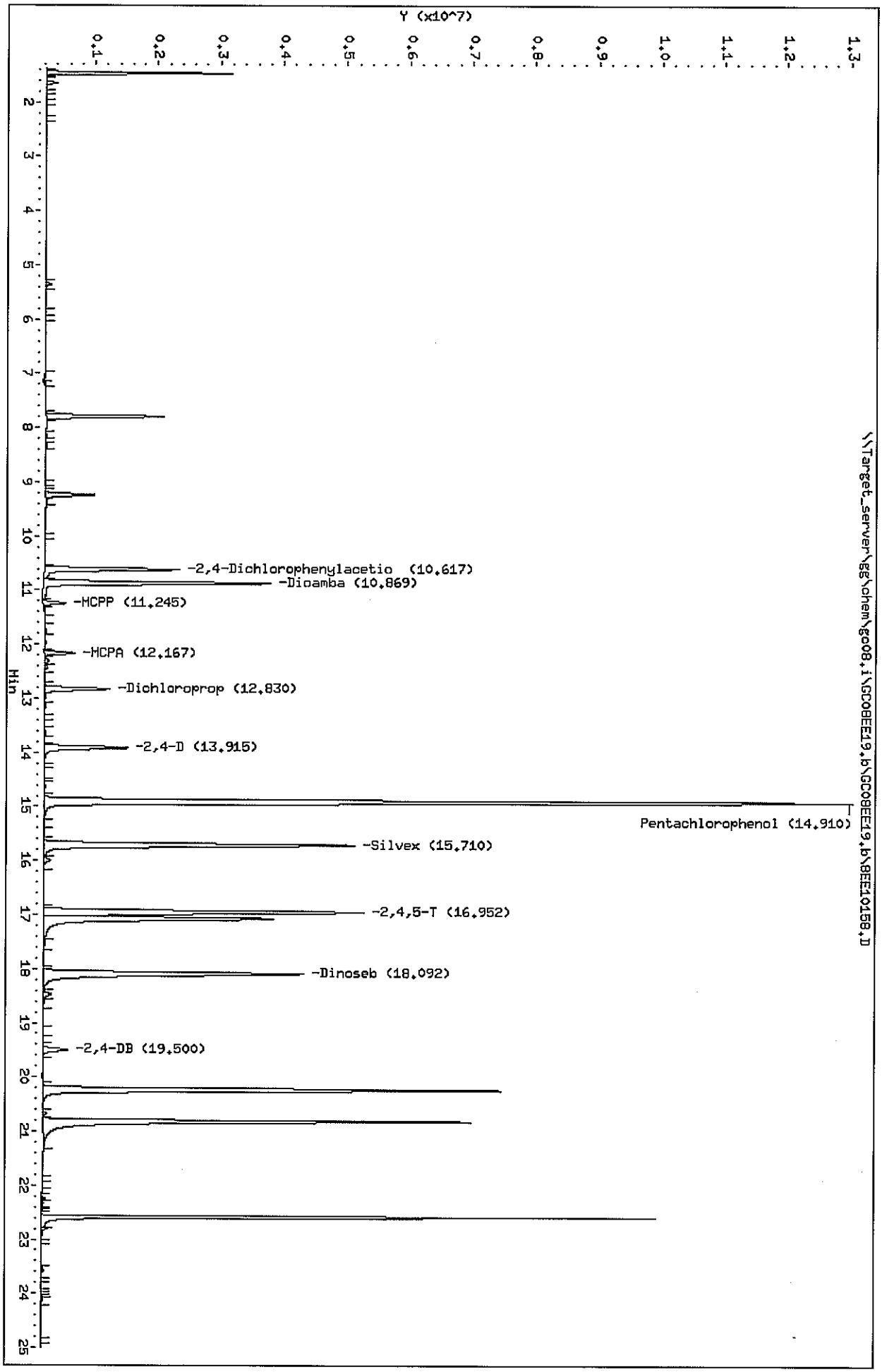
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.478	1.475	0.003	2979447	1.00000	0.998(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.617	10.602	0.015	2133626	2.00000	2.00	
	3 Dicamba	10.868	10.869	-0.001	3614271	1.00000	1.00(a)	
	4 MCPP	11.245	11.242	0.003	367771	100.000	99.5(a)	
	5 MCPA	12.167	12.160	0.007	478225	100.000	99.4(a)	
	6 Dichloroprop	12.830	12.829	0.001	1026695	1.00000	0.997(a)	
	7 2,4-D	13.915	13.917	-0.002	1316713	1.00000	1.00(a)	
	8 Pentachlorophenol	14.910	14.910	0.000	12829869	1.00000	1.00(aA)	
	9 Silvex	15.710	15.714	-0.004	4936490	1.00000	0.997(a)	
	10 2,4,5-T	16.952	16.959	-0.007	5089018	1.00000	0.998(a)	
	11 Dinoseb	18.092	18.094	-0.002	4118965	1.00000	0.998(a)	
	12 2,4-DB	19.500	19.505	-0.005	399083	1.00000	0.999(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\gc\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10158.D
Date : 19-MAY-2011 14:28
Client ID:
Sample Info: ICAL 1.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10159.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10159.D
Lab Smp Id: ICAL 2.0
Inj Date : 19-MAY-2011 14:56
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 2.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.528	1.524	0.004	9616656	2.00000	1.68(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.226	10.234	-0.008	5078240	4.00000	3.14	
	3 Dicamba	10.343	10.344	-0.001	9443189	2.00000	1.50(a)	
	4 MCPP	11.066	11.051	0.015	948519	200.000	237(A)	
	5 MCPA	11.741	11.721	0.020	1124879	200.000	264(A)	
	6 Dichloroprop	12.518	12.517	0.001	2834885	2.00000	1.69(a)	
	7 2,4-D	13.299	13.304	-0.005	3392745	2.00000	1.83(a)	
	8 Pentachlorophenol	14.624	14.626	-0.002	28346998	2.00000	1.25(aA)	
	9 Silvex	15.401	15.407	-0.006	12669524	2.00000	1.45(a)	
	10 2,4,5-T	16.344	16.357	-0.013	12784744	2.00000	1.65(a)	
	11 Dinoseb	17.584	17.589	-0.005	11991620	2.00000	1.64(a)	
	12 2,4-DB	18.308	18.317	-0.009	1461069	2.00000	1.84(a)	

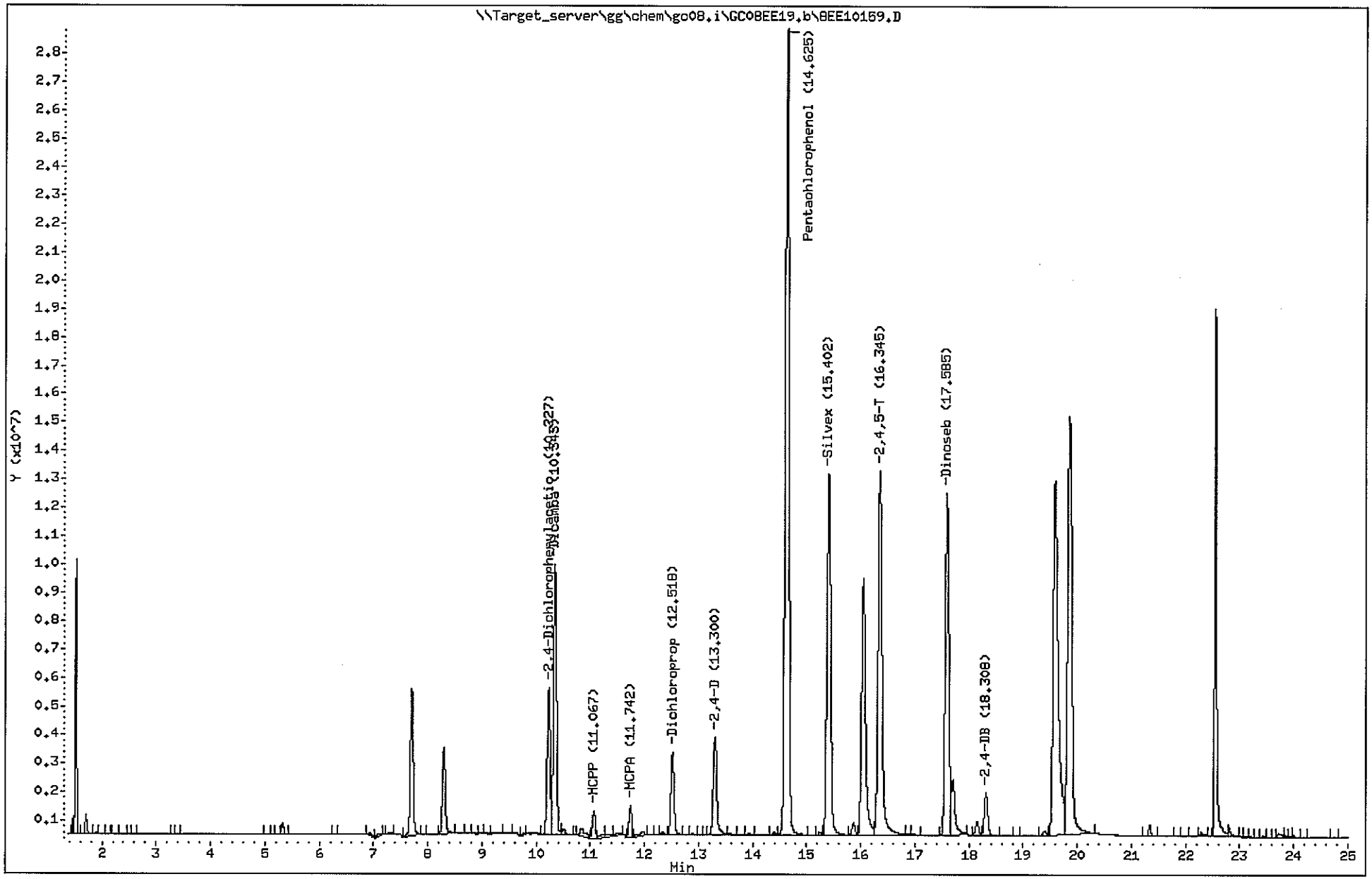
QC Flag Legend

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\go08.i\GC08EE19.b\8EE10159.D
Date : 19-MAY-2011 14:56
Client ID:
Sample Info: ICAL 2.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000056

Data File: 8EE10159.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10159.D
Lab Smp Id: ICAL 2.0
Inj Date : 19-MAY-2011 14:56
Operator : JLP Inst ID: gc08.i
Smp Info : ICAL 2.0
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

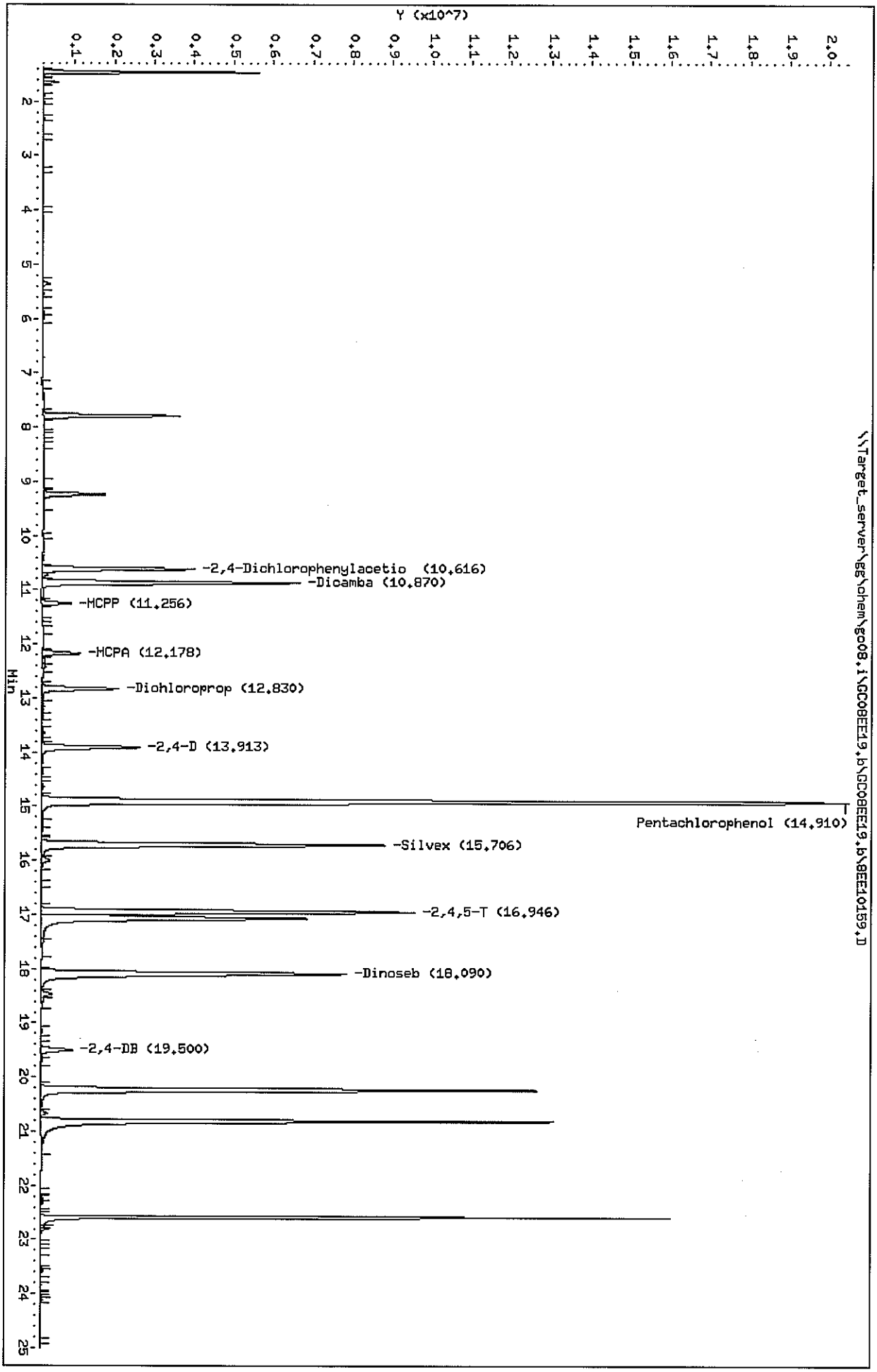
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
	1 Dalapon	1.478	1.475	0.003	5411555	2.00000	1.81(a)	
$	2 2,4-Dichlorophenylacetic Acid	10.616	10.602	0.014	3806773	4.00000	3.44	
	3 Dicamba	10.869	10.869	0.000	6465187	2.00000	1.70(a)	
	4 MCPP	11.256	11.242	0.014	735031	200.000	227(A)	
	5 MCPA	12.178	12.160	0.018	943302	200.000	233(A)	
	6 Dichloroprop	12.829	12.829	0.000	1901711	2.00000	1.82(a)	
	7 2,4-D	13.913	13.917	-0.004	2451629	2.00000	1.97(a)	
	8 Pentachlorophenol	14.909	14.910	-0.001	20249915	2.00000	1.49(aA)	
	9 Silvex	15.706	15.714	-0.008	8589764	2.00000	1.69(a)	
	10 2,4,5-T	16.946	16.959	-0.013	9363453	2.00000	1.91(a)	
	11 Dinoseb	18.089	18.094	-0.005	7632351	2.00000	1.84(a)	
	12 2,4-DB	19.499	19.505	-0.006	783385	2.00000	1.99(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\go08.i\GC08EE19.b\GC08EE19.b\8EE10159.D
Date : 19-MAY-2011 14:56
Client ID:
Sample Info: ICAL 2.0
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/19/11 Time: 1524

Lab File ID: 8EE10160 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	1999400.0	0.01	7.67	15.00	AVRG
Silvex	8719900.0	9197100.0	0.01	5.47	15.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1707100.0	0.01	5.66	15.00	AVRG

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10160.D
Report Date: 08-Jun-2011 11:54

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\8EE10160.D
Lab Smp Id: IND 0.5
Inj Date : 19-MAY-2011 15:24
Operator : JLP Inst ID: gc08.i
Smp Info : IND 0.5
Misc Info :
Comment :
Method : \\target_server\GG\chem\gc08.i\GC08EE19.b\HERB033.m
Meth Date : 20-May-2011 09:10 gc08.i Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.524	1.524	0.000	2643513	0.50000	0.462(a)	
3 Dicamba	10.344	10.344	0.000	3215983	0.50000	0.510(a)	
4 MCPP	11.051	11.051	0.000	217537	50.0000	48.2(a)	
5 MCPA	11.721	11.721	0.000	228671	50.0000	45.4(a)	
7 2,4-D	13.304	13.304	0.000	999708	0.50000	0.538(a)	
8 Pentachlorophenol	14.626	14.626	0.000	11619274	0.50000	0.467(a)	
6 Dichloroprop	12.517	12.517	0.000	769189	0.50000	0.460(a)	
9 Silvex	15.407	15.407	0.000	4598561	0.50000	0.527(a)	
10 2,4,5-T	16.357	16.357	0.000	3801139	0.50000	0.490(a)	
11 Dinoseb	17.589	17.589	0.000	3507680	0.50000	0.481(a)	
12 2,4-DB	18.317	18.317	0.000	406254	0.50000	0.512(a)	

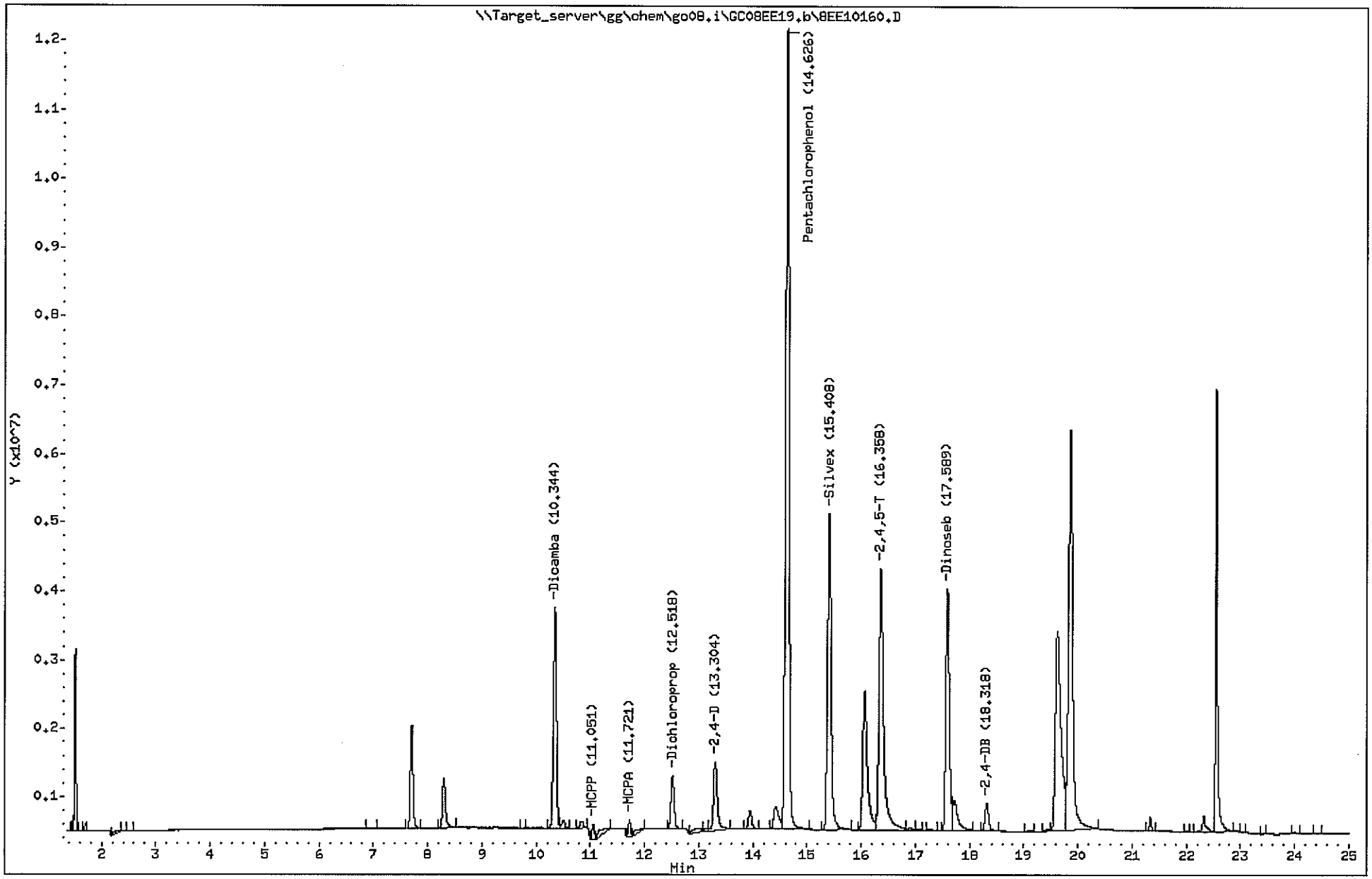
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\8EE10160.D
Date : 19-MAY-2011 15:24
Client ID:
Sample Info: IND 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000061

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/19/11 Time: 1524

Lab File ID: 8EE10160 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1280400.0	0.01	2.89	15.00	AVRG
Silvex	5080800.0	5295300.0	0.01	4.22	15.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1151300.0	0.01	4.07	15.00	AVRG

FORM VII PEST

Data File: 8EE10160.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE19.b\GC08EE19.b\8EE10160.D
Lab Smp Id: IND 0.5
Inj Date : 19-MAY-2011 15:24
Operator : JLP Inst ID: gc08.i
Smp Info : IND 0.5
Misc Info :
Comment :
Method : \\target_server\GG\chem\gc08.i\GC08EE19.b\HERB033.m\HERB033.m
Meth Date : 20-May-2011 09:11 ecyr Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12
Processing Host: T6-0360

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

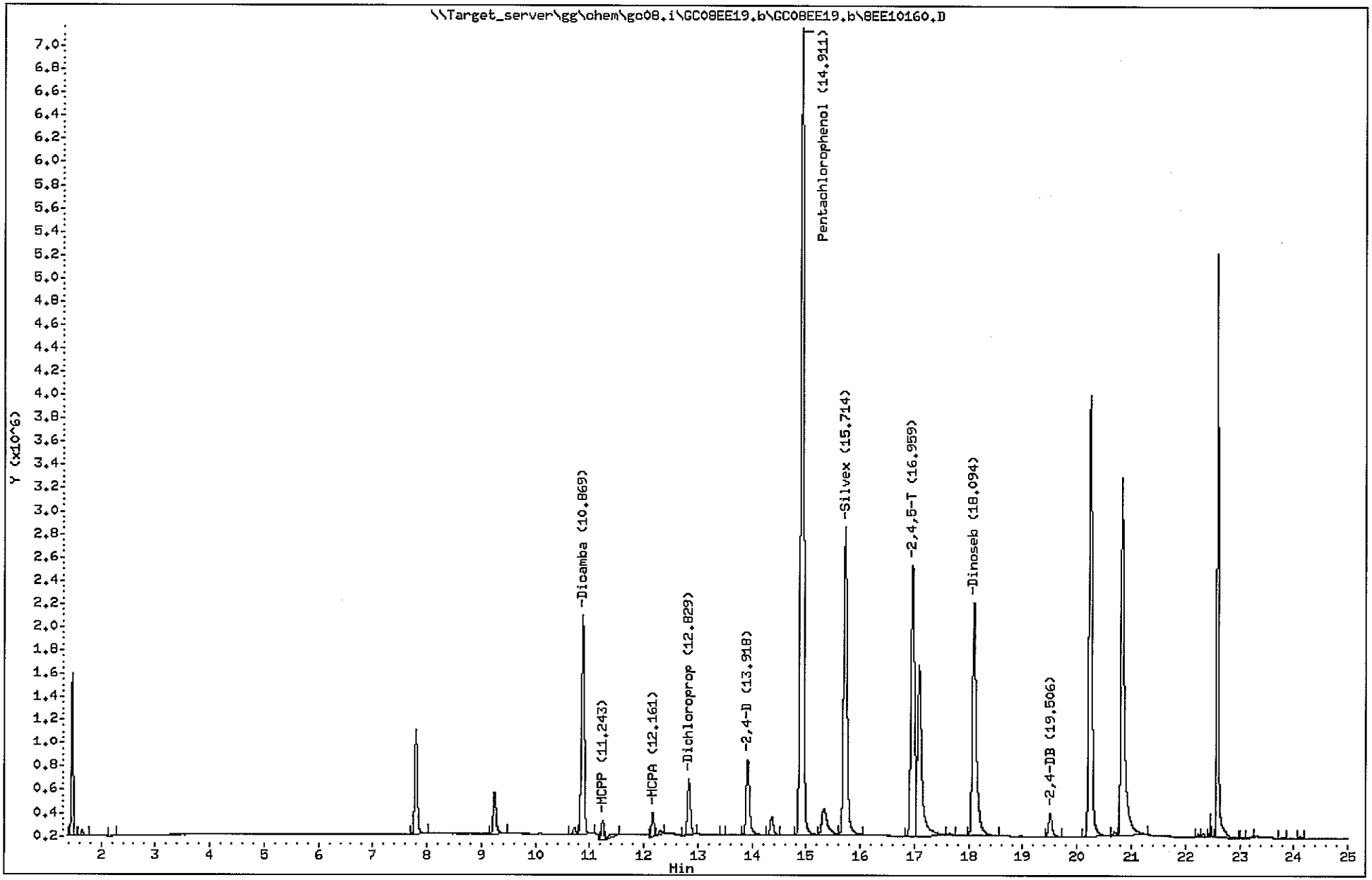
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
1 Dalapon	1.475	1.475	0.000	1395388	0.50000	0.466(a)	
3 Dicamba	10.869	10.869	0.000	1876788	0.50000	0.495(a)	
4 MCPP	11.242	11.242	0.000	167418	50.0000	47.7(a)	
5 MCPA	12.160	12.160	0.000	204515	50.0000	45.6(a)	
7 2,4-D	13.917	13.917	0.000	640186	0.50000	0.514(a)	
8 Pentachlorophenol	14.910	14.910	0.000	6936163	0.50000	0.512(a)	
6 Dichloroprop	12.829	12.829	0.000	490815	0.50000	0.469(a)	
9 Silvex	15.714	15.714	0.000	2647670	0.50000	0.521(a)	
10 2,4,5-T	16.959	16.959	0.000	2327936	0.50000	0.476(a)	
11 Dinoseb	18.094	18.094	0.000	2008130	0.50000	0.484(a)	
12 2,4-DB	19.505	19.505	0.000	196195	0.50000	0.498(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE19.b\GC08EE19.b\8EE10160.D
Date : 19-MAY-2011 15:24
Client ID:
Sample Info: IND 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000064

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1200

Lab File ID: 8EE10236 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	___ RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	2169000.0	0.01	16.80	20.00	AVRG
Silvex	8719900.0	9634800.0	0.01	10.49	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1589800.0	0.01	-1.60	20.00	AVRG

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10236.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10236.D
Lab Smp Id: CV 0.5
Inj Date : 25-MAY-2011 12:00
Operator : JLP Inst ID: gc08.i
Smp Info : CV 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.229	10.221	0.008	1589751	1.00000	0.984	
7 2,4-D	13.304	13.305	-0.001	1084487	0.50000	0.584(a)	
9 Silvex	15.403	15.406	-0.003	4817380	0.50000	0.552(a)	

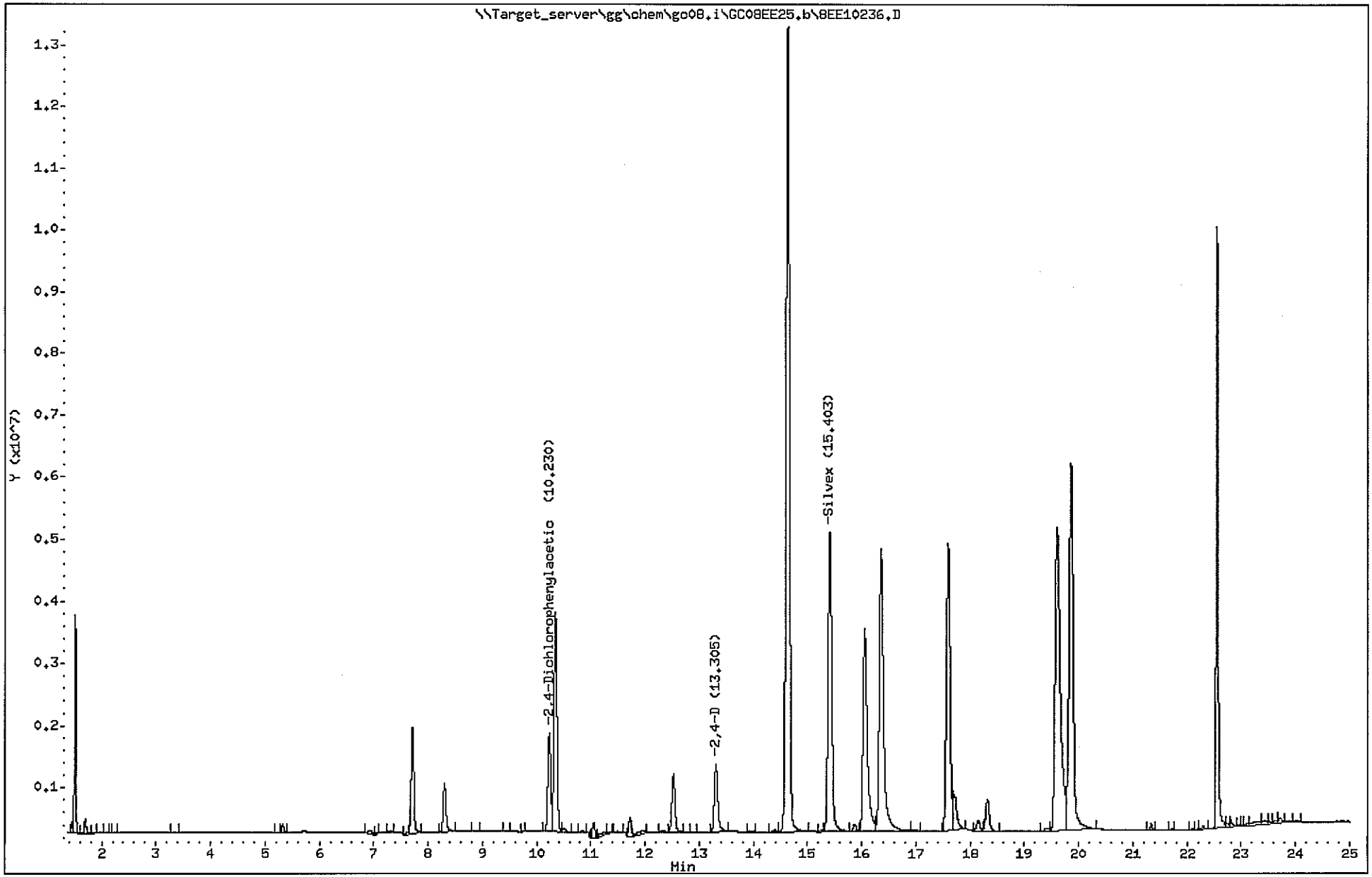
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10236.D
Date : 25-MAY-2011 12:00
Client ID:
Sample Info: CV 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000067

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1200

Lab File ID: 8EE10236 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1419200.0	0.01	14.05	20.00	AVRG
Silvex	5080800.0	5592800.0	0.01	10.08	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1101200.0	0.01	-0.46	20.00	AVRG

FORM VII PEST

Data File: 8EE10236.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10236.D
Lab Smp Id: CV 0.5
Inj Date : 25-MAY-2011 12:00
Operator : JLP Inst ID: gc08.i
Smp Info : CV 0.5
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

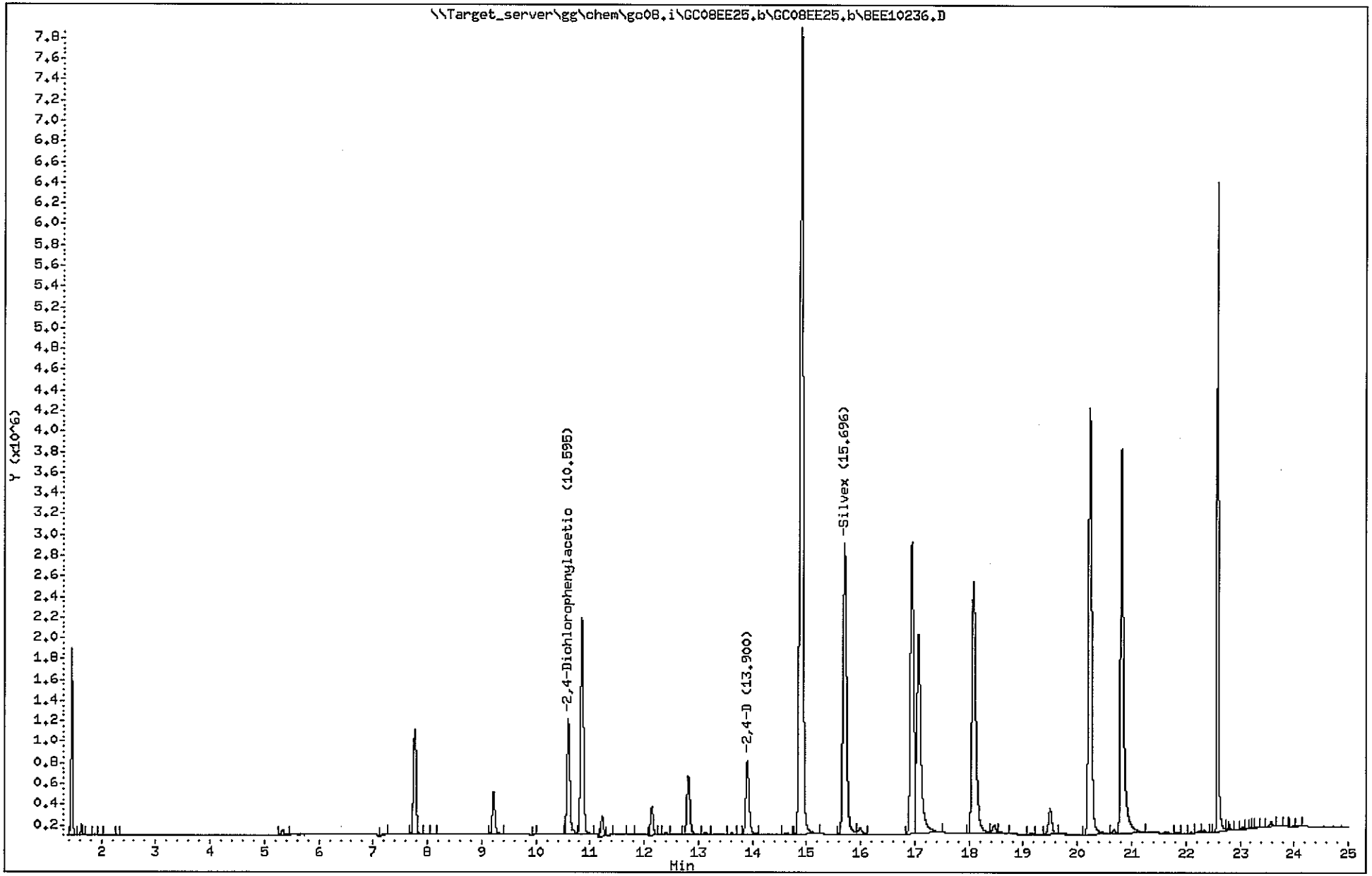
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.594	10.615	-0.021	1101183	1.00000	0.995	
7 2,4-D	13.899	13.923	-0.024	709624	0.50000	0.570(a)	
9 Silvex	15.696	15.716	-0.020	2796415	0.50000	0.550(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10236.D
Date : 25-MAY-2011 12:00
Client ID:
Sample Info: CV 0.5
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000070

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1753

Lab File ID: 8EE10246 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1857000.0	1946600.0	0.01	4.82	20.00	AVRG
Silvex	8719900.0	10203000	0.01	17.01	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1615600.0	1755300.0	0.01	8.65	20.00	AVRG

FORM VII PEST

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10246.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10246.D
Lab Smp Id: CV 0.25
Inj Date : 25-MAY-2011 17:53
Operator : JLP Inst ID: gc08.i
Smp Info : CV 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 46 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.221	10.221	0.000	877665	1.00000	0.543	
7 2,4-D	13.305	13.305	0.000	486659	0.50000	0.262(a)	
9 Silvex	15.406	15.406	0.000	2550779	0.50000	0.292(a)	

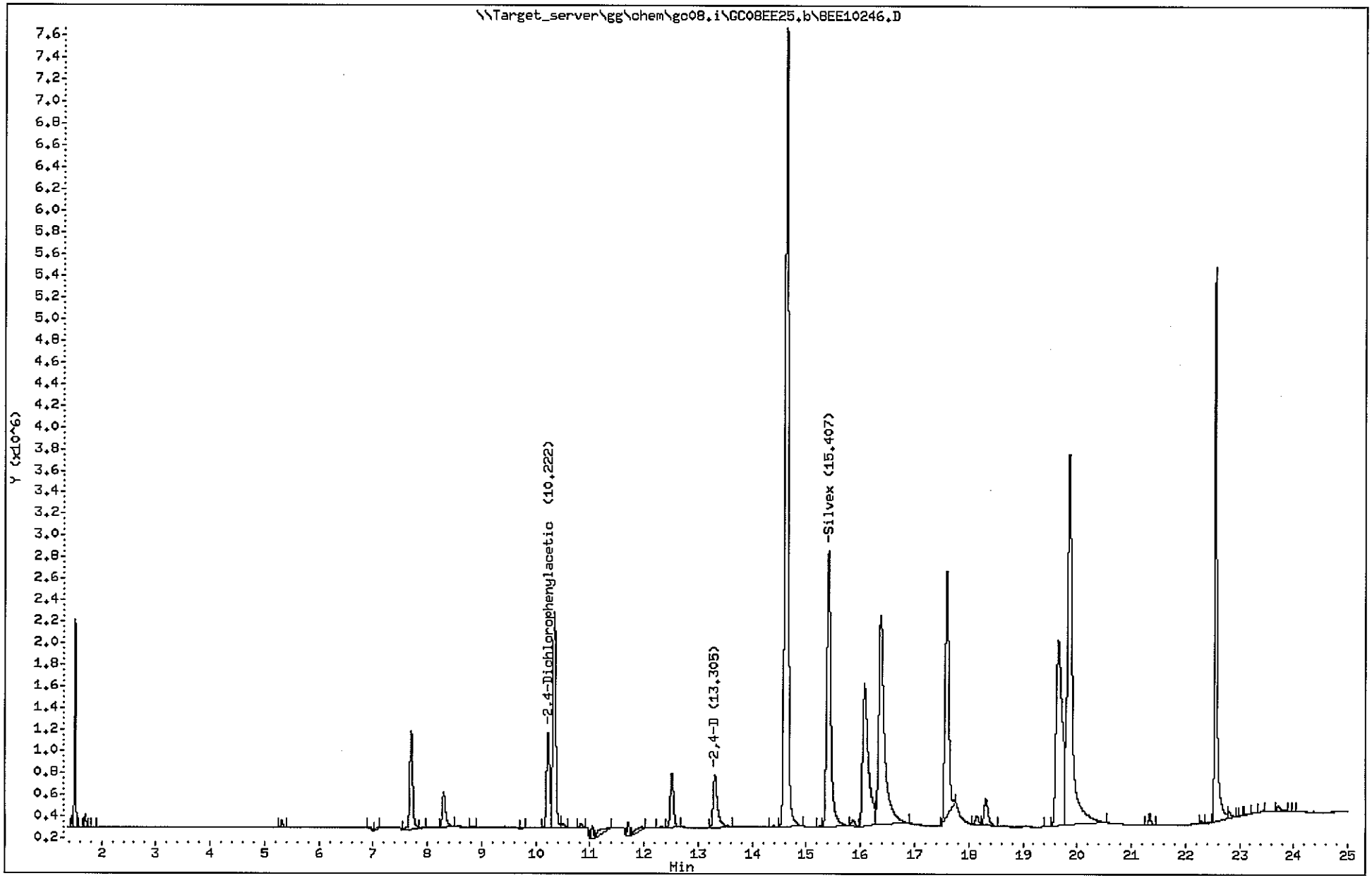
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10246.D
Date : 25-MAY-2011 17:53
Client ID:
Sample Info: CV 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000073

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MCB LEJEUNE SITE 6 LCRA SDG No.: SE2818

Instrument ID: GC08 Calibration Date: 05/25/11 Time: 1753

Lab File ID: 8EE10246 Init. Calib. Date(s): 05/19/11 05/19/11

Init. Calib. Times: 1236 1456

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2,4-D	1244400.0	1320200.0	0.01	6.09	20.00	AVRG
Silvex	5080800.0	5757000.0	0.01	13.31	20.00	AVRG
2,4-Dichlorophenylacetic Aci	1106300.0	1232000.0	0.01	11.36	20.00	AVRG

FORM VII PEST

Data File: 8EE10246.D
Report Date: 08-Jun-2011 11:55

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10246.D
Lab Smp Id: CV 0.25
Inj Date : 25-MAY-2011 17:53
Operator : JLP Inst ID: gc08.i
Smp Info : CV 0.25
Misc Info :
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 46 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.615	10.615	0.000	615981	1.00000	0.557	
7 2,4-D	13.923	13.923	0.000	330046	0.50000	0.265(a)	
9 Silvex	15.716	15.716	0.000	1439238	0.50000	0.283(a)	

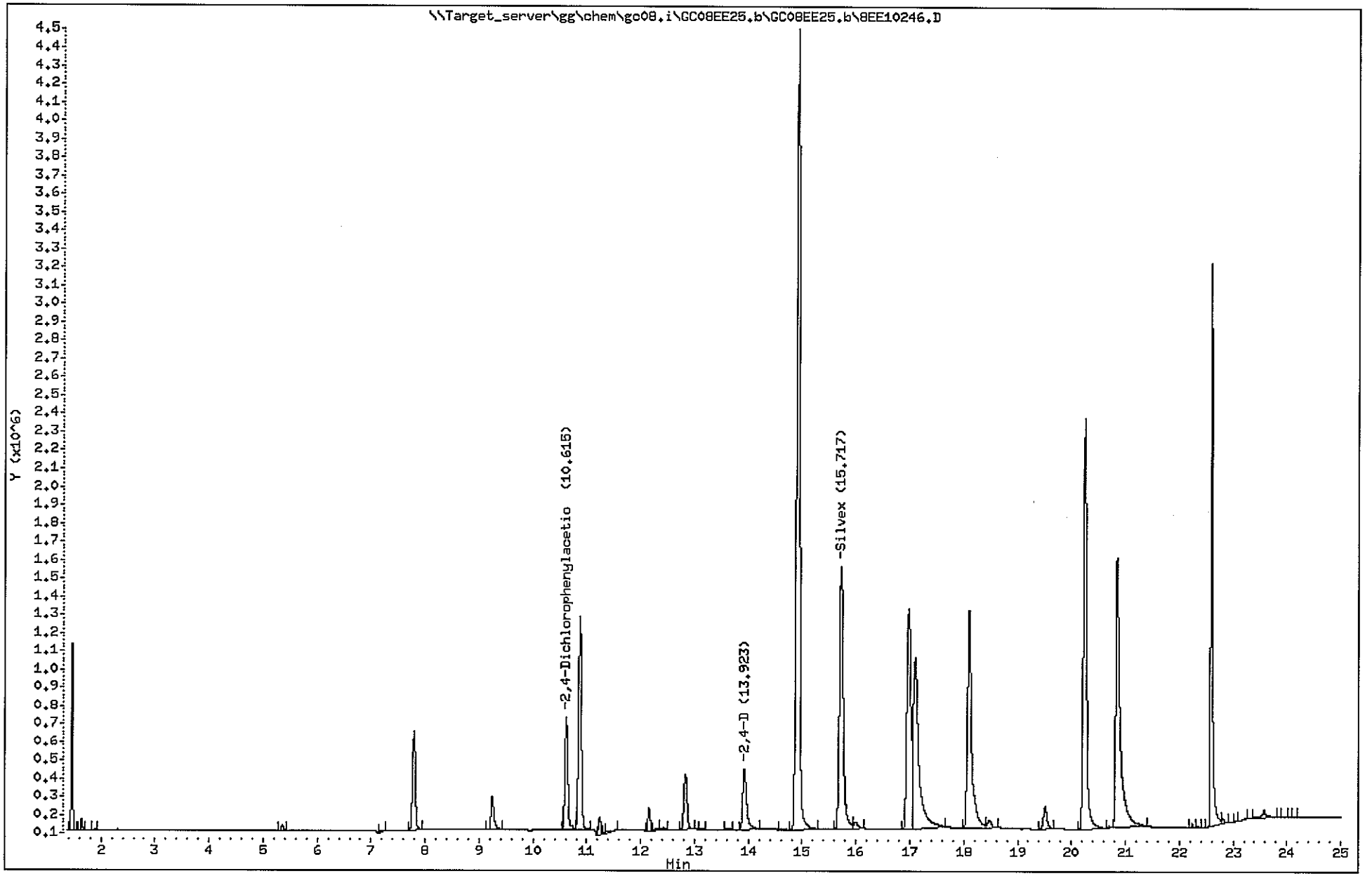
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\GC08EE25.b\8EE10246.D
Date : 25-MAY-2011 17:53
Client ID:
Sample Info: CV 0.25
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000076

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91927-1
Client ID: Method Blank Sample
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	1.5	ug/L	1	3	3.0	0.30	1.5
Silvex	U	1.5	ug/L	1	3	3.0	0.20	1.5
2,4-Dichlorophenylacetic Acid		89.4	%					

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P.O. Box 540, Scarborough, ME 04070
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Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10237.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10237.D
Lab Smp Id: WG91927-1 Client Smp ID: WG91927-Blank
Inj Date : 25-MAY-2011 13:41
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-1,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 37 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

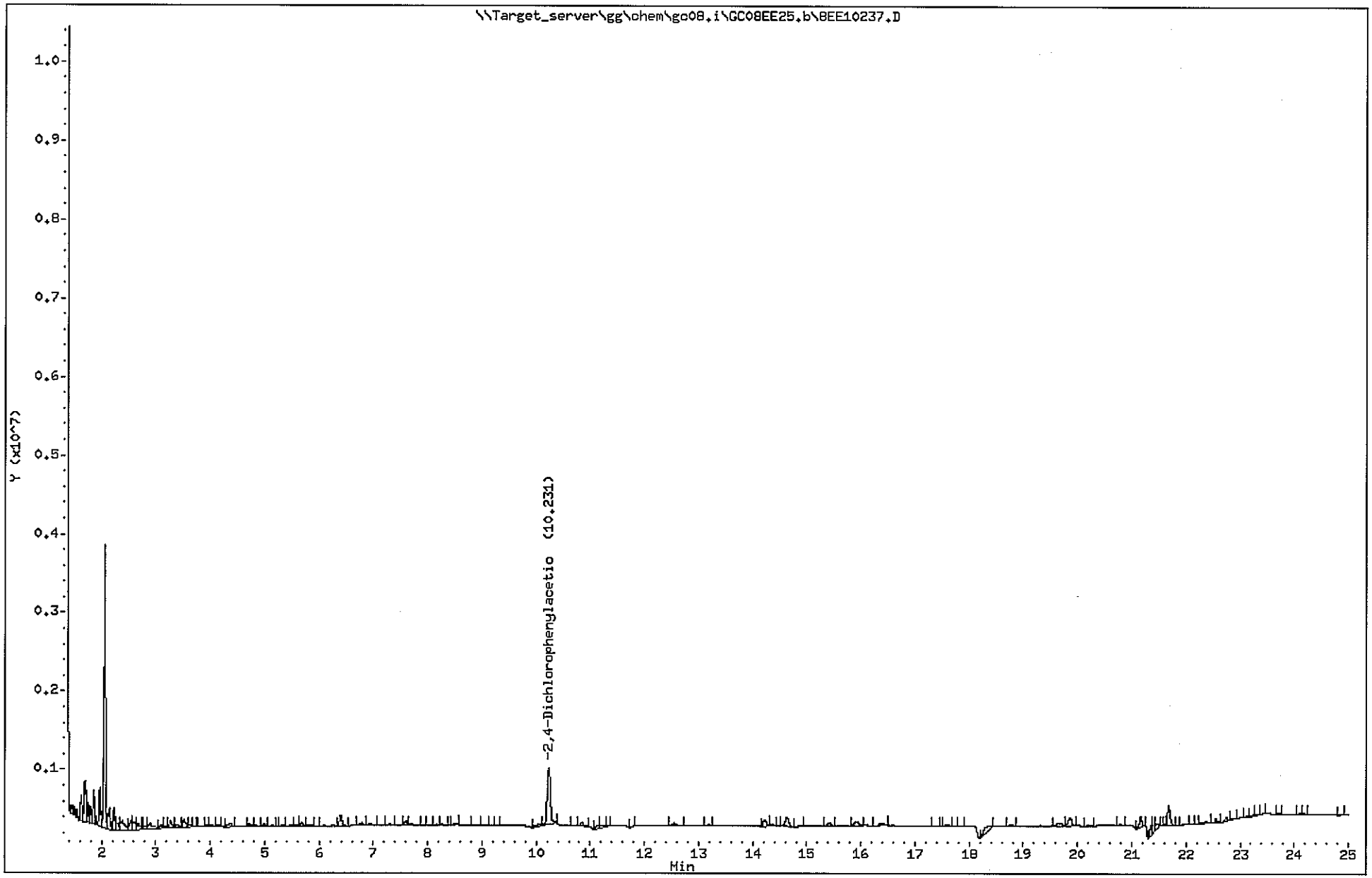
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.230	10.221	0.009	721556	0.44661	4.47	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10237.D
Date : 25-MAY-2011 13:41
Client ID: WG91927-Blank
Sample Info: WG91927-1,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000080

Data File: 8EE10237.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10237.D
Lab Smp Id: WG91927-1 Client Smp ID: WG91927-Blank
Inj Date : 25-MAY-2011 13:41
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-1,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 37 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

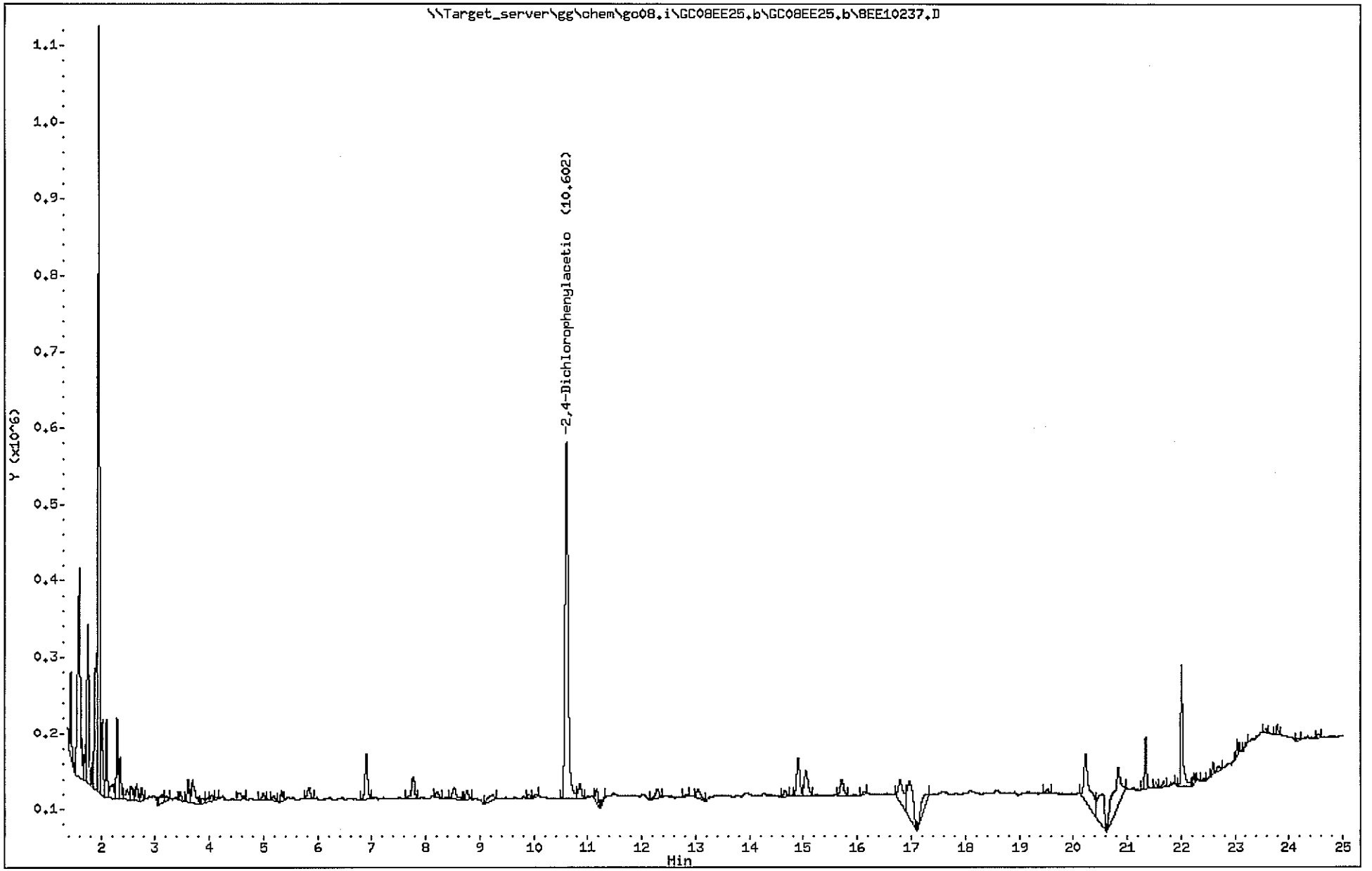
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.602	10.615	-0.013	466437	0.42162	4.22	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\GC08EE25.b\8EE10237.D
Date : 25-MAY-2011 13:41
Client ID: WG91927-Blank
Sample Info: WG91927-1,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: go08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000082

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG91927-4
Client ID: TCLP Blank
Project:
SDG: SE2818

Sample Date:
Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: 3510/1311
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA
Report Date: 26-MAY-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4-D	U	7.5	ug/L	1	3	15.	1.5	7.5
Silvex	U	7.5	ug/L	1	3	15.	1.0	7.5
2,4-Dichlorophenylacetic Acid		66.4	%					

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Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10240.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10240.D
Lab Smp Id: WG91927-4 Client Smp ID: WG91927-TclpBlank
Inj Date : 25-MAY-2011 15:05
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-4,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 40 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

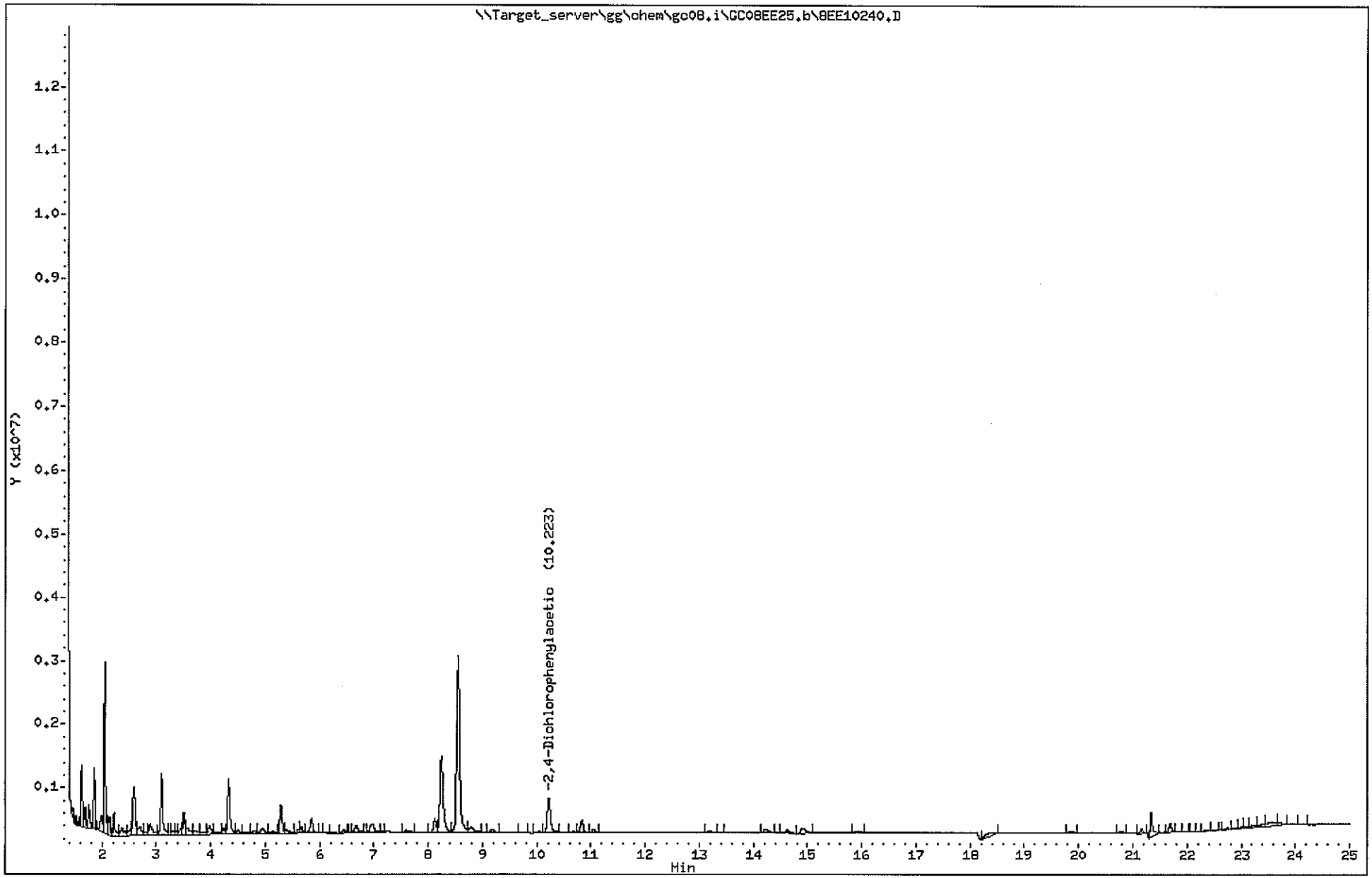
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.222	10.221	0.001	536665	0.33217	16.6	

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10240.D
Date : 25-MAY-2011 15:05
Client ID: WG91927-TolpBlank
Sample Info: WG91927-4,SE2818
Purge Volume: 0.2
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000085

Data File: 8EE10240.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10240.D
Lab Smp Id: WG91927-4 Client Smp ID: WG91927-TclpBlank
Inj Date : 25-MAY-2011 15:05
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-4,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 40 QC Sample: TCLPBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-sample.sub
Target Version: 4.12
Processing Host: V200T2

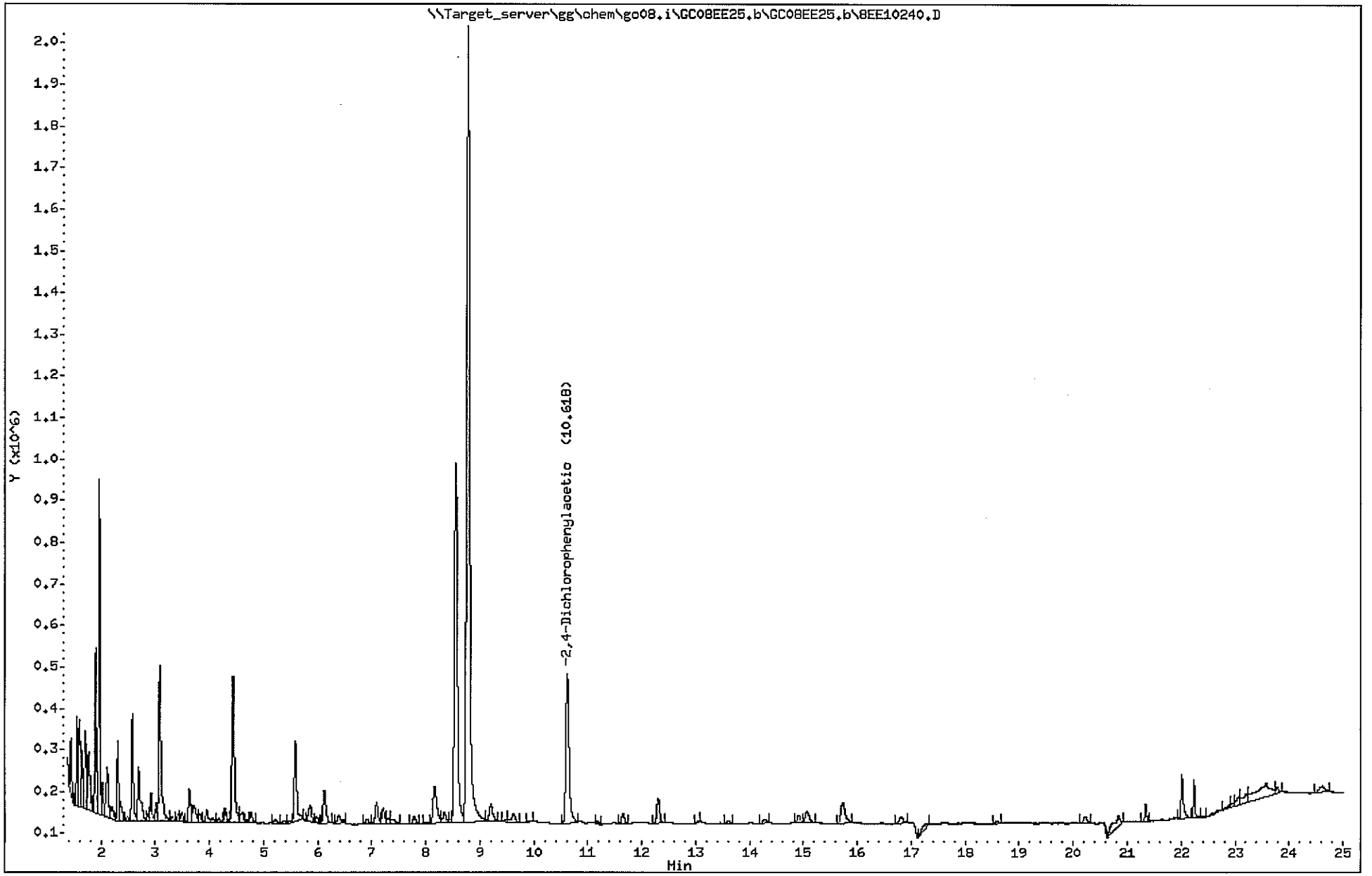
Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	0.20000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.617	10.615	0.002	359196	0.32468	16.2	

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10240.D
Date : 25-MAY-2011 15:05
Client ID: WG91927-TclpBlank
Sample Info: WG91927-4,SE2818
Purge Volume: 0.2
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000087

Katahdin
ANALYTICAL SERVICES

Cert No E87604

LCS/LCSD Recovery Report

LCS ID: WG91927-2
LCSD ID: WG91927-3
Project:
SDG: SE2818
Report Date: 26-MAY-11

Received Date: 24-MAY-11
Extract Date: 24-MAY-11
Extracted By: WS
Extraction Method: SW846 3510
Lab Prep Batch: WG91927

Analysis Date: 25-MAY-11
Analyst: JLP
Analysis Method: SW846 8151A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
2,4-D	5.00	5.43	109.	5.73	115.*	ug/L	5	30	35-115
Silvex	5.00	4.96	99.2	5.14	103.	ug/L	4	30	50-115
2,4-Dichlorophenylacetic Acid			96.6		103.				35-126

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Tel:(207) 874-2400 Fax:(207) 775-4029

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Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10238.D
Lab Smp Id: WG91927-2 Client Smp ID: WG91927-LCS
Inj Date : 25-MAY-2011 14:09
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-2,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 38 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.219	10.221	-0.002	780241	0.48293	4.83	
7 2,4-D	13.299	13.305	-0.006	979760	0.52760	5.28(a)	
9 Silvex	15.401	15.406	-0.005	4238623	0.48608	4.86(a)	

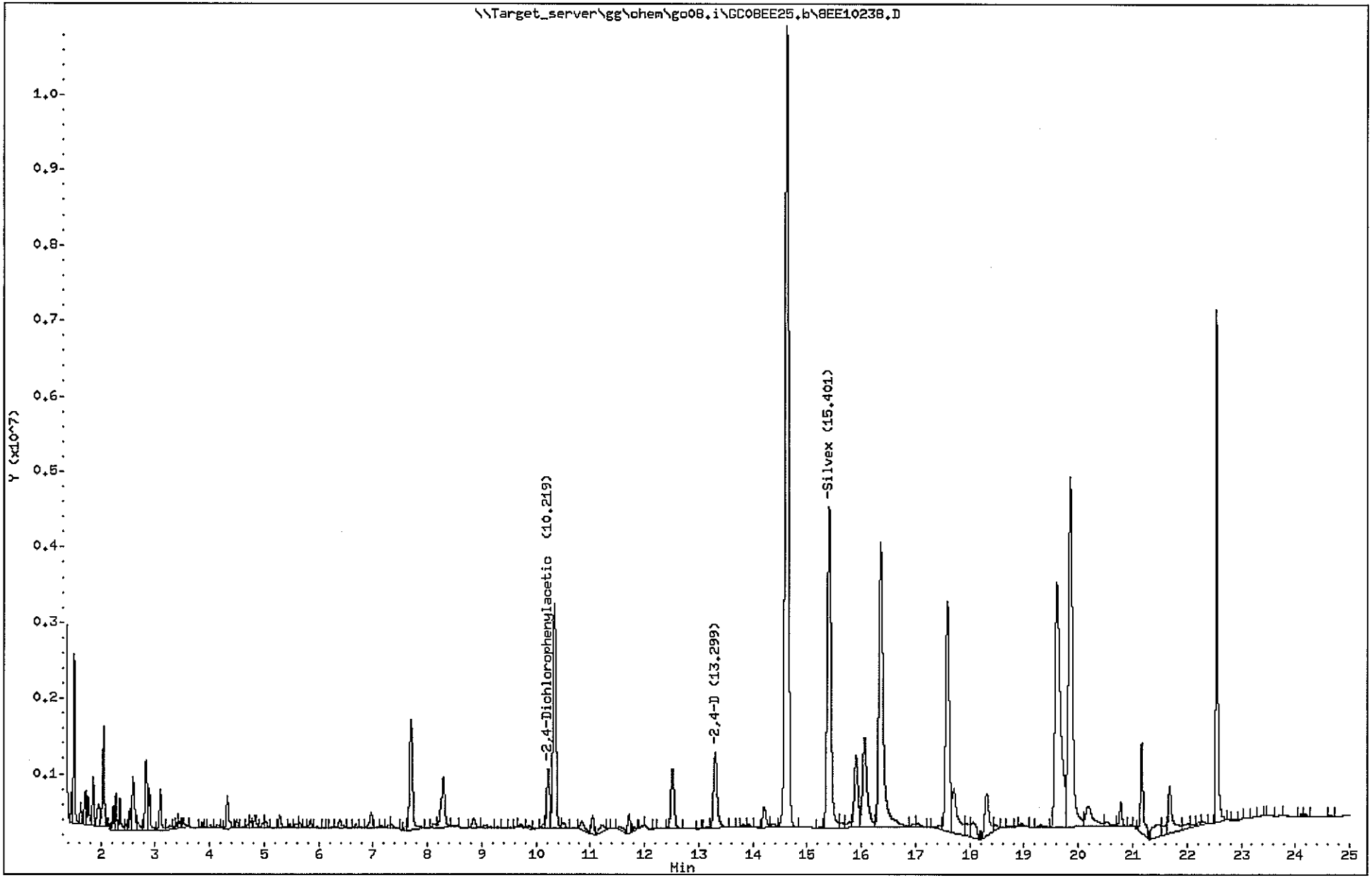
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10238.D
Date : 25-MAY-2011 14:09
Client ID: WG91927-LCS
Sample Info: WG91927-2,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: gc08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000090

Data File: 8EE10238.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10238.D
Lab Smp Id: WG91927-2 Client Smp ID: WG91927-LCS
Inj Date : 25-MAY-2011 14:09
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-2,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 38 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

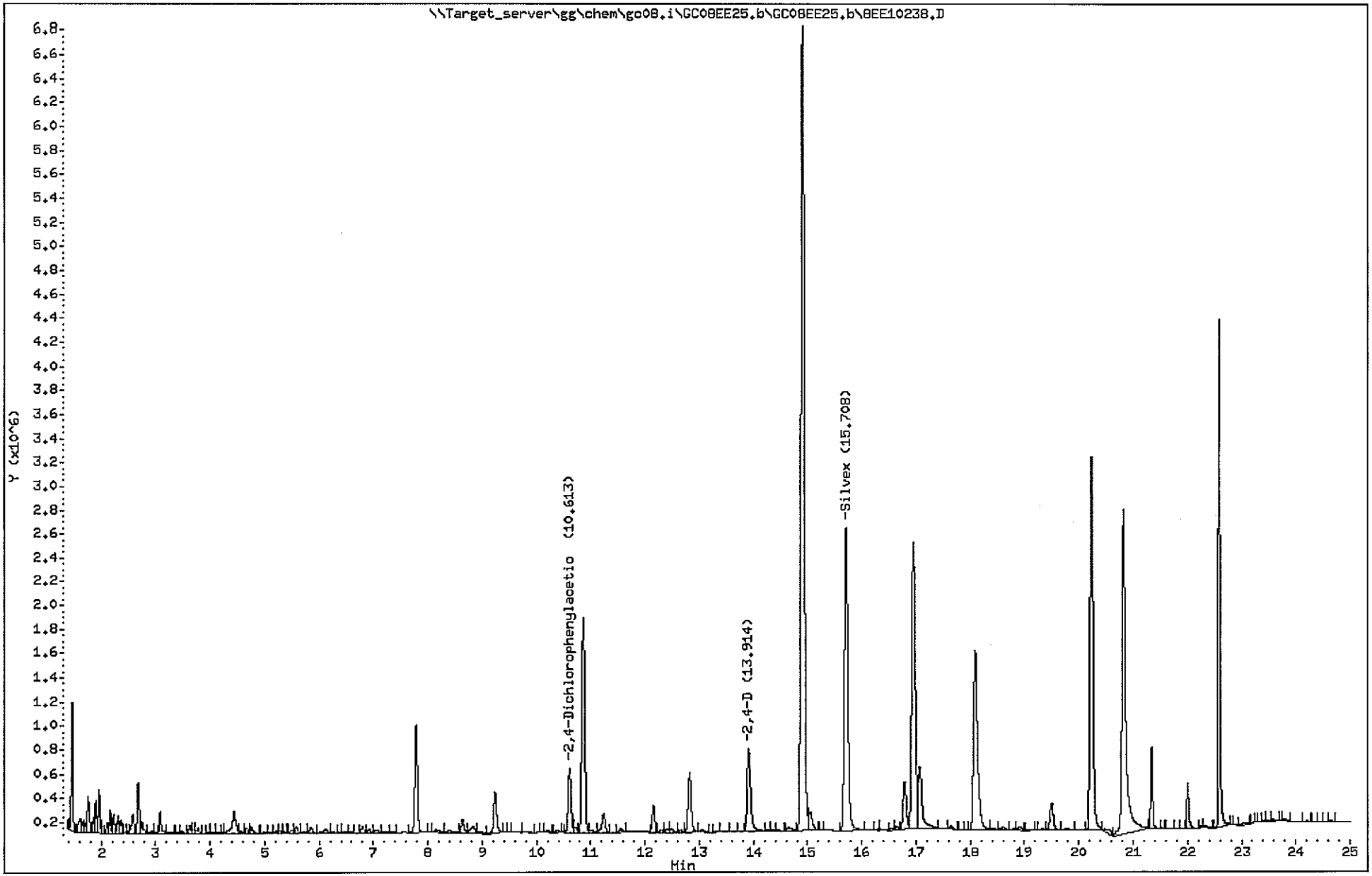
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.612	10.615	-0.003	527382	0.47671	4.77	
7 2,4-D	13.914	13.923	-0.009	675429	0.54278	5.43(a)	
9 Silvex	15.707	15.716	-0.009	2519967	0.49597	4.96(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10238.D
Date : 25-MAY-2011 14:09
Client ID: WG91927-LCS
Sample Info: WG91927-2,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000092

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10239.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\8EE10239.D
Lab Smp Id: WG91927-3 Client Smp ID: WG91927-LCSD
Inj Date : 25-MAY-2011 14:37
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-3,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m
Meth Date : 26-May-2011 07:40 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 39 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.218	10.221	-0.003	819690	0.50735	5.07	
7 2,4-D	13.298	13.305	-0.007	1018883	0.54867	5.49(a)	
9 Silvex	15.396	15.406	-0.010	4315188	0.49486	4.95(a)	

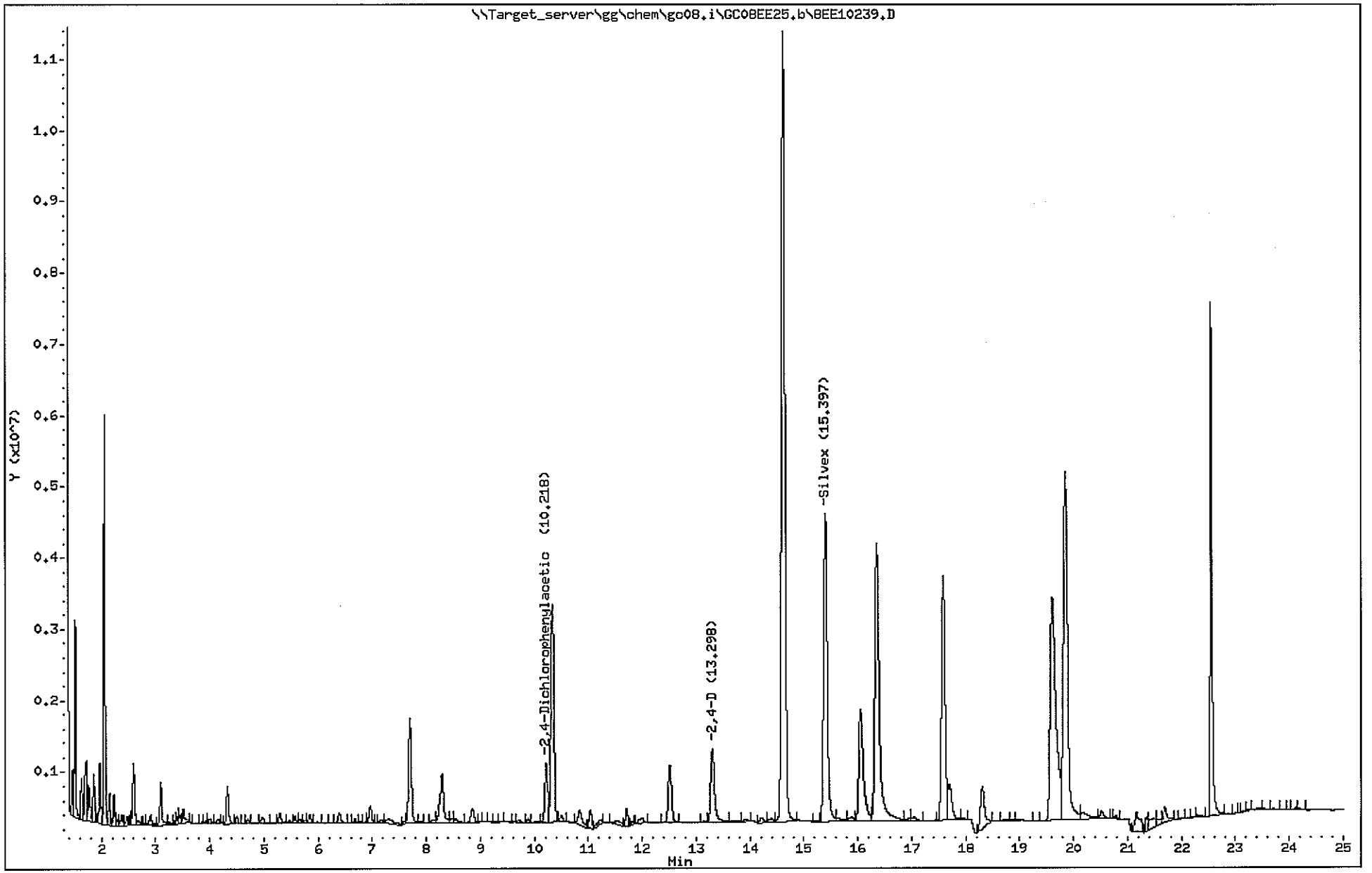
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\go08.i\GC08EE25.b\8EE10239.D
Date : 25-MAY-2011 14:37
Client ID: WG91927-LCSD
Sample Info: WG91927-3,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1

Instrument: go08.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000094

Data File: 8EE10239.D
Report Date: 26-May-2011 10:43

Katahdin Analytical Services

Data file : \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10239.D
Lab Smp Id: WG91927-3 Client Smp ID: WG91927-LCSD
Inj Date : 25-MAY-2011 14:37
Operator : JLP Inst ID: gc08.i
Smp Info : WG91927-3,SE2818
Misc Info : WG91976,WG91927,8EE,SE2818-6
Comment :
Method : \\Target_server\gg\chem\gc08.i\GC08EE25.b\HERB033.m\HERB033.m
Meth Date : 26-May-2011 07:42 jprescott Quant Type: ESTD
Cal Date : 19-MAY-2011 14:56 Cal File: 8EE10159.D
Als bottle: 39 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TCLP-SW8151.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

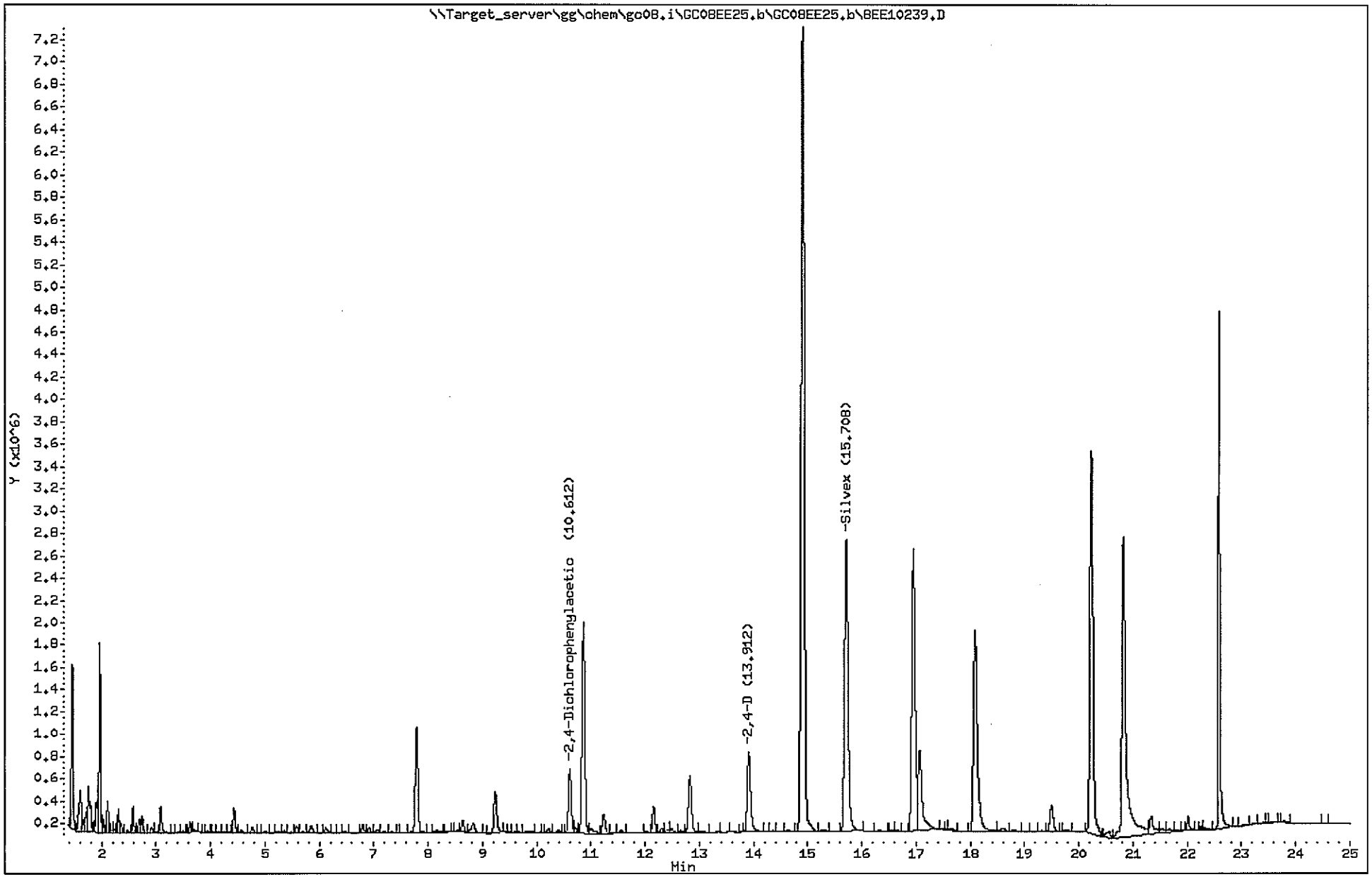
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 2 2,4-Dichlorophenylacetic Acid	10.611	10.615	-0.004	569748	0.51501	5.15	
7 2,4-D	13.911	13.923	-0.012	712926	0.57291	5.73(a)	
9 Silvex	15.708	15.716	-0.008	2609876	0.51367	5.14(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\gg\chem\gc08.i\GC08EE25.b\GC08EE25.b\8EE10239.D
Date : 25-MAY-2011 14:37
Client ID: WG91927-LCSD
Sample Info: WG91927-3,SE2818
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc08.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 9000096

Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC.

Non-Volatile TCLP/SPLP Extraction Log

Extraction Method: (check one per page)	SW846 1311 (TCLP) ☑	Extractor ID: 3/2	Room Thermometer ID: DIG-23	(Room Temp Criteria. 23(±2)°C)
	SW846 1312 (SPLP) ☐	Balance ID: BAL-08	pH Meter ID: Orion 520A s/n 7422	pH Probe ID: 5733526-003B
Solid pH Determination:	Date: 5-23-11		Analyst: HHH	
Rotary Extraction Started:	Date: 5-23-11	Time: 18:17	Analyst: HHH	Room Temp. (degrees °C): 21.7
Rotary Extraction Completed:	Date: 5-24-11	Time: 10:22	Analyst: HHH	Room Temp. (degrees °C): 22.2
Extraction Filtered:	Date:	Time:	Analyst:	Filter Lot #:
Elapsed Extraction Time (HH:MM):		5% HNO_3 ID (used to wash filters):		HNO_3 Lot # (used to preserve extracts):
Fluid 1 pH (Day of use): 4.97		Fluid 1 Expiration Date:		
Fluid 2 pH (Day of use): 2.53		Fluid 2 Expiration Date:		

TCLP Fluid pH: #1 - 4.93 ± 0.05 #2 - 2.88 ± 0.05 SPLP Fluid pH: #1 - 4.20 ± 0.05 #2 - 5.00 ± 0.05

Katahdin Sample No.	Matrix	Check One: 100% Wet Solids-waste will yield no liquid upon filtration	Check One: < 100% Solids (See TCLP Solids Determination Log)	SPLP FLUID # (1 for east and 2 for west of Mississippi River) :	TCLP pH Determination and Fluid Selection (date & Init. above): Initial pH of solid phase: (if <5, use Fluid #1; if >5 add 3.5 mL of 1 N HCl)	pH after 1 N HCL addition (if <5, use Fluid #1; if >5, use Fluid #2	Extraction Setup: Volume of Extraction Fluid (mL)	Fluid # used	Fluid Batch ID	Associated Extraction Blank ID:	Weight of Waste (g)	pH of extract after extraction:	Extract to be analyzed for: Metals (M), SVOA (S), PEST (P), HERB (H), Cyanide (C)	
SE2836-1A/B	SL	X			8.1	1.4	2000	1	1010	PBT100A	100.18	~~5.10~~ 5.18	M	
SE2794-1A	↓	↓			6.65	3.9	2000	1	1010	↓	100.06	~~5.65~~ 5.30	↓	
SE2826-1A	↓	↓			10.5	5.4	2000	2	1009	PBT1001A	100.10	~~10.5~~ 5.79	↓	
2818-6B	↓	↓			7.82	1.6	↓	1	1012	PBT1012A	100.71	~~7.82~~ 5.06	MSPH	13
2818-8B	↓	↓			7.83	1.62	↓	1	↓	↓	100.46	~~7.83~~ 5.47	↓	12
2818-10B	↓	↓			8.23	<2	↓	1	↓	↓	100.3	~~8.23~~ 6.27	↓	16
2818-12B	↓	↓			8.30	<2	↓	1	↓	↓	100.83	~~8.30~~ 5.39	↓	3
PBT1012A	NA	~~BLNK~~ NA	NA	NA	NA	NA	2000	1	1012	PBT1012A	NA	4.87	↓	5

EX-013 - Revision 1 - 08/31/2010

Aerb
sep

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - HERBICIDES

Extraction Method: (√ one)	SEP. FUNNEL: ✓	SONICATION:	Analytical Method: SW846 8151	
Standards	Surrogate ID (1): G-10858 *	Surrogate ID (2): G-10871	Spike ID (1): G-10887	Spike ID (2):
Solvents	MeCl2 Lot #: K16E11	Acetone Lot #: —		Hexane Lot #: K12E17
	Ether Lot #: 00593	Methanol Lot #: J08E43		Isooctane Lot #: 106131
				Powdered $NaSO_4$ Lot # —
Consumables	Filter Paper Lot # (SON) —	Filter Paper Lot # (KD)		H_2SO_4 Lot #: J420 3D
	Crystal $NaSO_4$ Lot #: 27961002	HCl Lot #: —		Diazald ID: G10890
	NaOH Lot #: K03103	Silicic Acid Lot #: 16675		
	Potassium Hydroxide Lot #: 09153	$NaCl_2$ Lot #: 107172		
Misc.	Nitrogen Bath Temperature: 36°C	Sonicator Horns Tuned: —		Balance ID: —

Start 7/12/15

Ext. Date	Ext. Init.	Sample ID	Initial Vol. / Weight (g / mL)	Surr. Vol. (mL)	Spk. Vol. (mL)	Date Esterfied	Date Conc.	Conc. Init.	Final Vol. (mL)	Tray Loc.	Comments
											WG 5-24-4
5-24-4	WS	WG-91927-1	1000	1mL	NA	5-25-11	5-25-11	KF	10mL	#973 D3	RIS R160061 *
		-2			1mL					D4	LCS wet dry on nitrogen bath
		-3								D5	
		-4	200		NA					D6	Field Blank PBT1012A-3 1000mL w/ DC
										KF	5-25-11

0000113

EX-013 - Revision 1 - 08/31/2010

Ext. Date	Ext. Init.	Sample ID	Initial Vol. / Weight (g / mL)	Surr. Vol. (mL)	Spk. Vol. (mL)	Date Esterfied	Date Conc.	Conc. Init.	Final Vol. (mL)	Tray Loc.	Comments
5-24-4	WS	SG2818-6	200	1mL	1mL	5-25-11	5-25-11	KF	10mL	D7	TCLP-Blank w/ DC
		-8								D8	
		-10								D9	
		-12								D10	
											KF 5-25-11

QAEX195

0000114

Reviewed By _____ Date _____

Katahdin Analytical Services, Inc.
Instrument: GC08
Amount Injected 2uL

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5-25-11	AC	8EE10231	SE2625-6	Y	504029	347/348	
		232	SE2658-1	Y			
		233	-3	Y			
		234	-4	Y			
		235	CV 0.5	Y			
5-25-11	JLP	236	CV 0.5	Y	Meu633		P4213
		237	WG91927-1 3510	Y			
		238	-2				
		239	-3				
		240	-4				
		241	SE2818-6				
		242	-8				
		243	-10				
		244	-12				
		245	Mexwe	N			
		246	CV 0.25	Y			P6212

Katahdin Analytical Services, Inc.
Instrument: GC08
Amount Injected 2uL

Reviewed by/ Date:

GC Laboratory Instrument Runlog
Method: SW846 8081 / 8082 / 8151
(circle) EPA 504.1 / 556 / 608
OLC03.2 / SOM01.2
OLM03.2 / OLM04.3

Date	Init.	Result File	Sample ID	Y/N	Method	Column	Comments
5-18-11	JLP	8EE10144	Hexane	N	PCB017	347/348	
↓	↓	↓ 145	AE21660 1.0	Y	↓	↓	TCXTA PL6196
		New liner + Septa					
5-19-11	JLP	8EE10146	Hexane	N	Herb032	347/348	
↓	↓	147	CV 0.5	Y	↓	↓	PL6213
		148	WG91573-1 3510	N			Not extracted properly
		149	↓ -2	↓			↓
		150	↓ -3	↓			
		151	SE2661-1 ↓	↓			
		152	Hexane	N			
↓	↓	153	CV 0.25	N	↓	↓	PL6212
5-19-11	JLP	154	ICAL 0.5	Y	Herb033	↓	PL6213
↓	↓	155	0.1	↓	↓		PL6211
		156	0.25				PL6212
		157	0.75				PL6214
		158	1.0				PL6215
		159	↓ 2.0	↓			PL6210
↓	↓	160	IND 0.5	Y	↓	↓	PL6200
5-20-11	EKC	161	hexane	N	↓	↓	
↓	↓	162	CV 0.5	Y			PL6213
		163	WG91749-1 3510	↓			
		164	↓ -2				
		165	↓ -3				
		166	SE2661-1RE	↓			
		167	WG91628-1 3550	Y			
		168	↓ -2	↓			
		169	↓ -3				
↓	↓	170	SE2692-1	↓			
		171	hexane	N			
↓	↓	172	CV 0.25	Y	↓	↓	dicamba-TA PL6212

Appendix C
Field Density Test Results

ECS Carolinas, LLP
7211 Odgen Business Park
Suite 201
Wilmington, NC 28411
(910) 686-9114
(910) 686-9666 fax
NC Registered Engineering Firm # F-1078

LETTER OF TRANSMITTAL

May 20, 2011	RE: **Base Scales Compaction Testing**
Osage of Virginia, Inc. 2618 Colley Avenue Norfolk, VA 23517	ECS Job # **22:16796** Permits:
ATTN: Shaun Whitworth, P.G.	Location: **Piney Green Road** **Jacksonville, NC**

We are enclosing:

_X_ Materials Engineering Division Reports
_X_ For your use
_X_ As requested

CC: **Osage of Virginia, Inc. - Kenny Sessions**

ENCL:

Field Report # 1 05/19/2011

Kris J. Stamm
Branch Manager/Principal

William S. Cromartie
Construction Services Manager

ECS Carolinas, LLP
7211 Odgen Business Park
Suite 201
Wilmington, NC 28411
(910) 686-9114
(910) 686-9666 fax

FIELD REPORT

Project No.	22:16796
Report No.	1
Day & Date	Thursday 05/19/2011
Weather	75°/ Sunny
On-Site Time	4.75
Lab Time	0.50
Travel Time*	0.75
Total	6.00
Re Obs.Time	0.00

Project	Base Scales Compaction Testing
Location	Jacksonville, NC
Client	Osage of Virginia, Inc. - Shaun Whitworth, P.G.
Contractor	Osage of Virginia, Inc. - Kenny Sessions

Remarks

Trip Charges* Tolls/Parking* Mileage* 50

Chargeable Items 1 - Nuclear Gauge Rental

Time of	Arrival	Departure
	09:15A	02:00P

* Travel time and mileage will be billed in accordance with the contract.

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The undersigned arrived on site, as requested, to observe the placement and compaction of soils for the backfill of the remediation hole. Please see the attached sketch for the approximate density test locations.

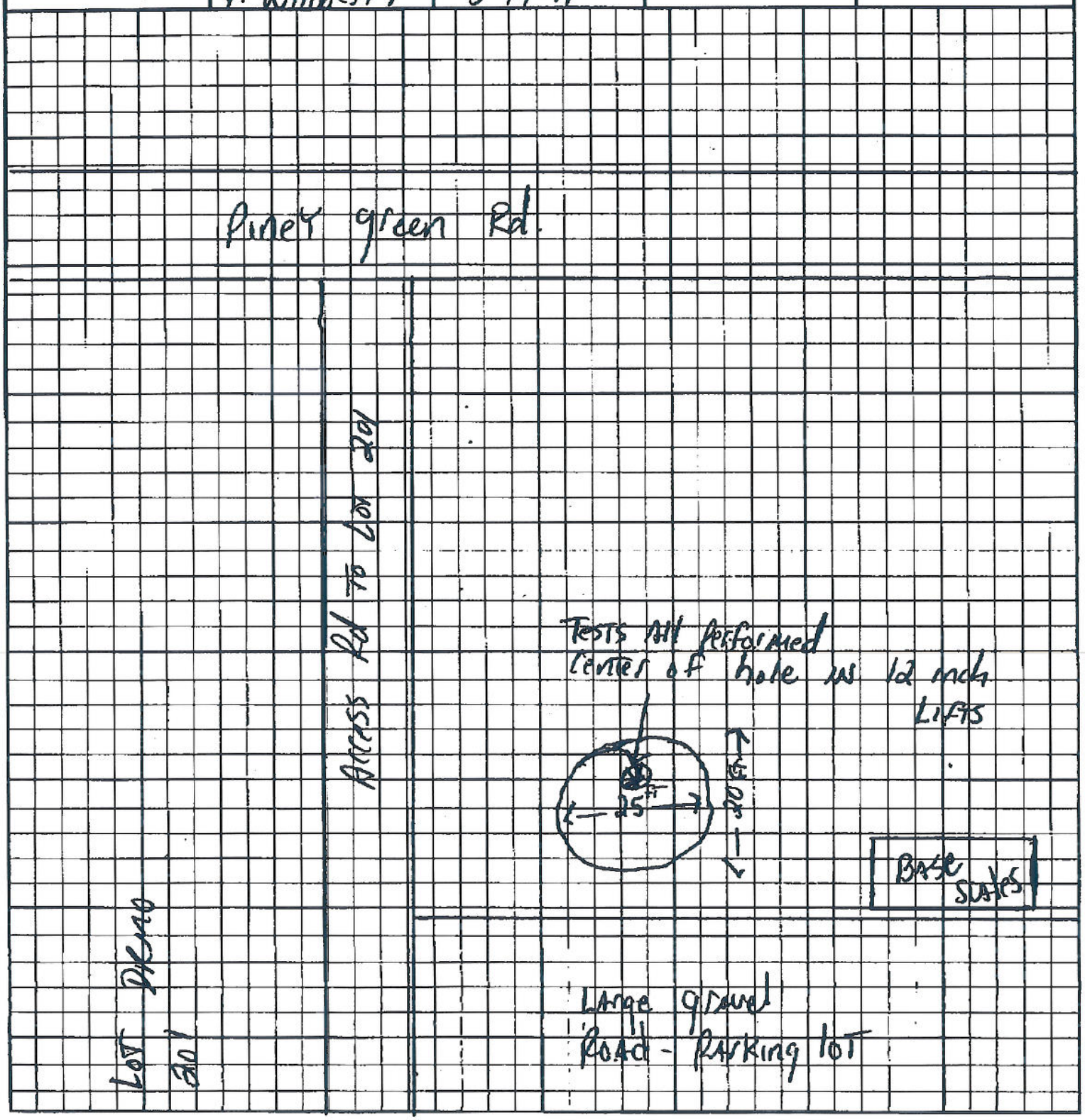
Utilizing the Nuclear Density Gauge test method (ASTM D-6938) to check the compaction of soils; test results indicated that the compacted material, at the areas and depths tested, met the project requirements of 95% of the maximum dry density as obtained in our laboratory using the Standard Proctor Method (ASTM D-698).

The backfill material was placed in 12 inch lifts on this date.

By **Thomas A. Winberry** 1700

569321

PROJECT: Base Scales			SHEET NO:
TITLE: Density Tests on Backfill			PROJ. NO: 16796
			SCALE: NTS
BY: T. Winkesky	DATE: 5-19-11	APPROVED:	DATE:



ECS CAROLINAS, LLP

Field Compaction Summary, ASTM D-6938

Project No: 16796 Project Name: Base Scales Compaction Testing Date: 05/19/11

Client: Osage of Virginia, Inc.

Contractor: Osage of Virginia, Inc.

Technician: Thomas A. Winberry

Test Method ASTM D-6938			
Nuclear Gauge No.3			
Make	Troxler	Density Std	1743
Model	3440	Moisture Std	699
Ser. No.	15896		

Sample: **S-1** Description: **Yellow brown fine to medium sand** Proctor Method: **Standard Proctor Method (ASTM D-698)** Uncorrected Max. Density: **100.90** Uncorrected Opt. MC: **16.30**

Test No.	Test Mode	Probe Depth	Station / Location	Lift / Elev	% Oversize	Corrected Maximum Dry Density (pcf)	Corrected Optimum Moisture Content (%)	Test Data				P / F	Comments
								Wet Density (pcf)	Dry Density (pcf)	Moisture Content (%)	Percent Comp. (%)		
1	DT	6	backfill-remediation hole	-5'	0.00	100.90	16.30	111.4	96.5	15.5	95.6	P	
2	DT	6	backfill-remediation hole	-4'	0.00	100.90	16.30	110.7	96.2	15.1	95.3	P	
3	DT	6	backfill-remediation hole	-3'	0.00	100.90	16.30	110.4	96.2	14.8	95.3	P	
4	DT	6	backfill-remediation hole	-2'	0.00	100.90	16.30	107.7	96.1	12.1	95.2	P	
5	DT	6	backfill-remediation hole	-1'	0.00	100.90	16.30	112.4	98.3	14.4	97.4	P	

Test Mode: DT = Direct Transmission BS = Back Scatter

Appendix D
Disposal Manifests

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
(205)652-9721

DRMO - CAMP LEJEUNE
BLDG 977 MICHAEL RD

CAMP LEJEUNE,NC 28547

Site Infomation

DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
US MARINE CORPS BASE
CAMP LEJEUNE,NC 28547

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: DRMO-CAMP LEJEUNE
Enclosed is/are your Generator Number Two copy / copies for Alabama Manifest Numbers:

001537029GBF

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a AHWMMA Permit, issued by the Alabama Department of Environmental Management. (RCRA)

Dorothy Oliver DO
Recordkeeping and Reporting Supervisor

August 08, 2011

11241

CWMI

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: NC6170022580
2. Page 1 of 1
3. Emergency Response Phone: (800)424-9300
4. Manifest Tracking Number: 001537029 GBF

5. Generator's Name and Mailing Address
DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
CAMP LEJEUNE NC 28547
Generator's Phone: (910)451-5306

Generator's Site Address (if different than mailing address)
SITE 6 / LOT 201 BASE SCALES
CAMP LEJEUNE, NC 28542

6. Transporter 1 Company Name: CHEMICAL WASTE MANAGEMENT, INC.
U.S. EPA ID Number: ALD000622464

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
36964 ALABAMA HWY 17
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

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		
X	1. RQ,WASTE FLAMMABLE LIQUIDS,N.O.S.,3,UN1993 III,(D001,U037)(CONTAINS CHLOROBENZENE) AL400379	6	DF	1800	P	D001	U037	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. AL400379 ERG-128

ERI PROVIDER: CHEMTREC (WM CONTRACT)

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: DERAL DAVIES
Signature:
Month Day Year: 7 1 2011

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: Jerry Watt
Signature: Jerry Watt
Month Day Year: 7 1 2011
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. H141 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: Judy Bankhead
Signature: Judy Bankhead
Month Day Year: 07 22 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Box #2117

11214 CWMI

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: NC6170022580
2. Page 1 of 1
3. Emergency Response Phone: (800)424-9300
4. Manifest Tracking Number: 001536697 GBF

GENERATOR

5. Generator's Name and Mailing Address
DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
CAMP LEJEUNE NC 28547
Generator's Phone: (910)451-5306

Generator's Site Address (if different than mailing address)
Site 6 / Lot 201 Base scales
Camp LeJeune NC 28542

6. Transporter 1 Company Name: ROBBIE D WOOD, INC. #240 TARE - 38000 Box - 6000
U.S. EPA ID Number: ALD067138891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
36964 ALABAMA HWY 17
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

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		
X	1. RQ,HAZARDOUS WASTE,SOLID,N.O.S.,9,NA3077,III ~~(D021)~~ (U037) AL184846	001	CM	26360	lbs	U037		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. AL184846 ERG-171

ERI PROVIDER: CHEMTREC (WM CONTRACT)

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: ★ EUGENE Jones
Signature: Eugene Jones
Month Day Year: 06 14 11

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: ★ Charles McCullar
Signature: Charles McCullar
Month Day Year: 06 14 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected DOT per Shawn Whitworth 6/20/11
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. H141 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: Judy Bankhead
Signature: Judy Bankhead
Month Day Year: 06 15 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Box 5526

1/2/7
109 6263
CWMI

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: NC6170022580
2. Page 1 of: 1
3. Emergency Response Phone: (800)424-9300
4. Manifest Tracking Number: 001536698 GBF

5. Generator's Name and Mailing Address
DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
CAMP LEJEUNE NC 28547
Generator's Phone: (910)451-5306

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROBBIE D WOOD, INC.
U.S. EPA ID Number: ALD067138891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
36964 ALABAMA HWY 17
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

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		
X	1. RQ,HAZARDOUS WASTE,SOLID,N.O.S.,9,NA3077,III ~~(D021)~~ (U037) AL184846	001	CM	22980	P	U037		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. AL184846 ERG-171

ERI PROVIDER: CHEMTREC (WM CONTRACT)

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: EUGENE JONES
Signature: [signature]
Month Day Year: 06 15 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Clarence C Holt
Signature: [signature]
Month Day Year: 06 15 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected DOT per Shaun Whitworth 6/20/11
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. H141 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: Judy Bankhead
Signature: Judy Bankhead
Month Day Year: 06 20 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY

BX782

11219 CWMI

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: NC6170022580
2. Page 1 of 1
3. Emergency Response Phone: (800)424-9300
4. Manifest Tracking Number: 001536699 GBF

GENERATOR

5. Generator's Name and Mailing Address
DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
CAMP LEJEUNE NC 28547
Generator's Phone: (910)451-5306
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROBBIE D WOOD, INC.
U.S. EPA ID Number: ALD067138891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
38964 ALABAMA HWY 17
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

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		
X	1. RQ,HAZARDOUS WASTE,SOLID,N.O.S.,9,NA3077,III ~~(D021)~~ (U037) AL184846	001	CM	29120 ~~35400~~	P	U037		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. AL184846 ERG-171

ERI PROVIDER: CHEMTREC (WM CONTRACT)

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: EUGENE Jones
Signature:
Month 6 Day 16 Year 11

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: Carnell Newton
Signature:
Month 6 Day 16 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected DOT per Shawn Whitworth 6/20/11
Manifest Reference Number: OUTBND: 00153700 8GBF
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. ~~H144~~ H141 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: Rob Nasey
Signature:
Month 06 Day 17 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

954

11220
CWMI

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: NC6170022580
2. Page 1 of: 1
3. Emergency Response Phone: (800)424-9300
4. Manifest Tracking Number: 001536700 GBF

5. Generator's Name and Mailing Address
DRMO-CAMP LEJEUNE
BLDG 977 MICHAEL RD
CAMP LEJEUNE NC 28547
Generator's Phone: (910)451-5306

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROBBIE D WOOD, INC. 4 242
U.S. EPA ID Number: ALD067138891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
36964 ALABAMA HWY 17
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

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		
X	1. RQ,HAZARDOUS WASTE,SOLID,N.O.S.,9,NA3077,III ~~(D021)~~ (U037) AL184846	001	CM	26488	lbs	U037		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. AL184846 ERG-171

ERI PROVIDER: CHEMTREC (WM CONTRACT)

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)(4) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: EUGENE JONES
Signature:
Month Day Year: 06 17 11

GENERATOR

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

INT'L

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES WINNETT
Signature:
Month Day Year: 06 17 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

TRANSPORTER

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected DOT per Shaun Whitworth 6/20/11
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: Judy Bankhead
Signature: Judy Bankhead
Month Day Year: 06 20 11

DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)