



CONSTRUCTION CERTIFICATION REPORT

PARCELS 387 AND 389 INTERIM MEASURE

GENERAL MOTORS CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Prepared for:
General Motors LLC

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LIST OF TERMS AND ACRONYMS

> 1.8 mg/kg PCBs	greater than 1.8 mg/kg PCBs
< 50 mg/kg PCBs	less than 50 mg/kg PCBs
AAQMP	Ambient Air Quality Monitoring Plan
AOC	Administrative Order on Consent
CA	Corrective Action
CRA	Conestoga-Rovers & Associates Inc.
CTEC	Castings Transmissions Engines and Components (formerly Powertrain)
CWA	Clean Water Act
DQO	data quality objectives
Facility	GM CTEC Bedford Facility
ft	foot or feet
GM	General Motors LLC
HASP	Health and Safety Plan
IDEM	Indiana Department of Environmental Management
IM	Interim Measure
mg/kg	milligram per kilogram
MLC	Motors Liquidation Corporation
NOI	Notice of Intent
PARCC	precision, accuracy, representativeness, and comparability
PCBs	polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
RA	Removal Action
RCRA	Resource Conservation and Recovery Act
Report	Parcels 387 and 389 Interim Measure Construction Certification Report
RFI	RCRA Facility Investigation
Site	Parcels 387 and 389
SOW	Scope of Work
U.S. Bulk	U. S. Bulk Transport, Inc.
U.S. ACE	United States Department of the Army Corps of Engineers
U.S. EPA	United States Environmental Protection Agency
UCL	upper confidence limit
Verification area	50 ft by 50 ft surveyed area/grid
Work Plan	Northern Tributary Interim Measure Work Plan
WQC	Water Quality Certification
Young	Young Trucking Inc.

1.0 INTRODUCTION

1.1 GENERAL

This document presents the Interim Measure (IM) Construction Certification Report (Report) for Parcels 387 and 389 (Site), which are located on the unnamed Northern Tributary, adjacent to and north of the General Motors LLC (GM) Castings Transmissions Engines and Components (CTEC; formerly Powertrain) Bedford Facility (Facility) in Bedford, Indiana. The IM conducted on Parcels 387 and 389 was completed as described in the United States Environmental Protection Agency (U.S. EPA) approved Northern Tributary IM Work Plan (Work Plan) dated January 10, 2006. Although Parcels 387 and 389 were not specifically noted as part of the original approved Work Plan, they were subsequently included as part of the IM when the northern boundary of the proposed remediation area and property boundaries were defined and physically marked in the field by a licensed Indiana Lawrence County surveyor (Bledsoe Riggert Guerrettaz).

As U.S. EPA is aware, General Motors Corporation (since renamed "Motors Liquidation Company" or "MLC") filed for bankruptcy protection in June of 2009 and sold a number of its assets on July 10, 2010 to form GM. Several of the properties related to the Northern Tributary were retained by MLC, and were not included in the asset sale. This Report covers only Parcels 387 and 389 of the Northern Tributary, which are owned by private parties. MLC has the obligation to provide any construction certification documentation for MLC owned Parcels related to the Northern Tributary IM.

Conestoga-Rovers & Associates Inc. (CRA) has prepared this Report on behalf of GM in accordance with the Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) activities being conducted under the Performance Based Agreement (effective March 20, 2001, as amended October 1, 2002, March 29, 2007, and May 9, 2008) with U.S. EPA for the Facility. This Report documents the completion of the IM activities for Parcels 387 and 389, in accordance with the Work Plan.

The IM work on Parcels 387 and 389 was implemented starting in July 2007 and was completed in December 2008. The implementation of the Work Plan on Parcels 387 and 389 involved the sampling and analysis of soil; identification and characterization of material containing polychlorinated biphenyls (PCBs); excavation of impacted soil; verification and waste characterization sampling and analysis; transportation and placement of the excavated material in designated areas within East Plant Area Cover System at the Facility (as approved by U.S. EPA); backfilling of the excavation; and

restoration of the Site. A photographic log of pre- and post-excavation conditions of Parcels 387 and 389 is presented in Appendix A.

The Site location and Site plan for Parcels 387 and 389 are presented on Figures 1.1 and 1.2, respectively. Figure 1.3 presents a pre-cleanup aerial of the Site.

1.2 PROJECT BACKGROUND

The Work Plan included the following activities:

- excavation and removal of soil containing PCBs exceeding the cleanup criteria, identified in the initial RCRA Facility Investigation (RFI);
- verification through sampling that the cleanup criteria were met;
- disposal of the excavated material in designated areas within the Facility (as approved by U.S. EPA); and
- restoration of the remediated areas.

1.3 PRE-INTERIM MEASURE SITE DESCRIPTION

The Site is located along a tributary of Bailey's Branch, referred to herein as the Northern Tributary. The Northern Tributary is located north of the Facility between Breckenridge Road and Broomsage Road, west of North Jackson Street, beginning at the southern boundary of Parcel 386 as a shallow ditch and developing into a more defined ravine as it progresses through adjacent properties to the northeast. Flow in the Northern Tributary is primarily from surface water during storm events. The flow is therefore highly variable and intermittent in nature, particularly at the upper end of the tributary.

Parcel 387 is a residential property located along the east-side of North Lawrence Street and is bordered to the west by Parcel 388 and residential properties, to the north and east by Parcel 389, and to the south by Parcel 386.

Parcel 389 is a residential property located between North Lawrence Street and North Jackson Street, and north of Breckenridge Road. Parcel 386 is located immediately to the south, Parcel 393 to the north, Parcel 387 to the west and a number of residential parcels along North Jackson Street to the east.

Specific reference to Parcels 387 and 389 was not part of the original Work Plan. After investigative sampling activities were conducted the property boundaries were verified through survey. It was determined that the estimated property lines shown on the original Work Plan drawings (which were based on tax maps obtained from the Lawrence County Assessors office) were off slightly. Based on the property boundary survey conducted by an Indiana licensed surveyor, the remediation area was found to extend north of Parcel 386 into Parcels 387 and 389.

1.4 CLEANUP OBJECTIVES

The cleanup criteria selected for the IM conducted on Parcels 387 and 389 was 1.8 milligrams per kilogram (mg/kg) total PCBs for floodplain soil along Pleasant Run, Bailey's Branch, and designated tributaries, and 1 mg/kg for creek sediment. These criteria were selected based on the U.S. EPA-approved Administrative Order on Consent (AOC) (U.S. EPA Docket No.: V-W-'03-C-747) effective July 31, 2003, and developed for unrestricted use on residential properties. Both criteria are considered conservative for application in this IM based upon the actual conditions of the Site. Based on discussions with U.S. EPA, stream bank material has been defined as the material located horizontally to a distance 2 feet (ft) from the edge of the stream channel, and vertically down to the top elevation of the streambed following sediment removal.

1.5 PROPERTY ACCESS

Prior to implementing the IM activities for Parcels 387 and 389, access was obtained via an Access Agreement from the property owners.

1.6 REPORT ORGANIZATION

This Report is organized in the following sections:

- i) Section 1.0 presents the Site location and background, pre-IM Site description, cleanup objectives, property access, and organization of the Report.
- ii) Section 2.0 presents a summary of the Scope of Work (SOW) for the IM implementation.
- iii) Section 3.0 presents a summary of investigative/delineation sampling and Site characterization activities.

- iv) Section 4.0 presents the IM activities implemented during the work including Site preparation; environmental controls including fugitive dust, erosion, and stormwater; soil excavation, verification sampling, backfilling, and final grading; stockpile sampling and waste characterization; transportation and disposal of waste.
- v) Section 5.0 provides details of the restoration activities conducted.
- vi) Section 6.0 provides a summary of Parcels 387 and 389 IM activities.
- vii) Section 7.0 presents references cited in this Report.
- viii) Section 8.0 provides certification of the Work Plan completion in terms of Parcels 387 and 389 IM activities.

2.0 SCOPE OF WORK

This section provides a summary of the SOW of the IM activities that were conducted at the Site. CRA provided design and construction oversight on behalf of GM during the implementation of the IM, including collection and management of related data, and development and preparation of this Report. CRA provided overall project management and coordination between GM, the selected environmental contractor (ENTACT LLC), the Facility, U.S. EPA, and the Indiana Department of Environmental Management (IDEM).

The IM field activities were initiated following review and approval of the Work Plan by U.S. EPA, and in coordination with IDEM, following the procurement of any necessary permits and contractors. The Work Plan was approved January 10, 2006. IM field activities included:

- location of utilities;
- mobilization of construction materials, equipment, and personnel necessary to perform the work;
- provision and maintenance of construction facilities and temporary controls;
- preparation of the Site, including:
 - emergency first aid facility,
 - fire suppression equipment,
 - construction of decontamination facilities,
 - construction of access roads,
 - temporary staging areas for removed material,
 - clearing and grubbing of existing vegetation (as required),
 - work zone identification (construction and silt fences), and
 - construction of temporary staging facilities at the Facility;
- implementation of environmental controls;
- implementation of a Site-specific Health and Safety Plan (HASP);
- diversion of the creek;
- excavation, handling, and backfilling of soil/sediment including:
 - layout of initial excavation limits for areas of PCB concentrations greater than 1.8 mg/kg PCBs (>1.8 mg/kg PCBs),
 - excavation of soil to achieve 1.8 mg/kg PCBs clean up criterion,

- excavation of sediment to achieve 1 mg/kg PCBs clean up criterion,
- layout of verification sampling grids,
- collection of soil characterization and verification samples for PCBs,
- additional excavation and sampling, as necessary, to meet the cleanup goals, and
- backfilling/grading, and restoration of excavated and disturbed areas, as required, with appropriate material;
- transportation of waste materials less than 50 mg/kg PCBs (<50 mg/kg PCBs) to the East Plant Area for use as fill material as part of the cap for the East Plant Area IM;
- management of remediation waters and stormwater; completion of IM closeout activities including:
 - restoration of support areas,
 - final decontamination of construction equipment and temporary facilities; and
- demobilization of temporary facilities and equipment from the Site.

Sampling and analytical procedures utilized during implementation of the IM were consistent with the existing Quality Assurance Project Plan (QAPP) (CRA, November 5, 2001, with modifications December 12, 2004, and July 25, 2006) for the Facility, as approved by U.S. EPA.

Wherever possible, resources already in place for the East Plant Area IM or the main Creek Removal Action (RA) (e.g., trailers, support zones, etc.) were used in conjunction with the IM conducted for Parcels 387 and 389.

3.0 RFI INVESTIGATIVE/DELINEATION SAMPLING/ SITE CHARACTERIZATION ACTIVITIES

Prior to the initiation of excavation activities, investigative/delineation surficial soil and sediment sampling was completed within the floodplain and creek areas of the Northern Tributary under the RFI. PCBs were identified at varying concentrations at a few locations within the creek and within the floodplain areas of the Site. The results of all delineation samples were compared to the cleanup objectives and utilized to develop the proposed initial excavation limits included in the Work Plan.

A summary of investigative sample analytical results for Parcels 387 and 389 is presented in Table 3.1. Figure 3.1 identifies locations of the investigative samples collected on Parcels 387 and 389 and the proposed excavation limits of PCBs exceeding the cleanup criteria.

All delineation sampling, sample analysis, and data validation were completed in accordance with the U.S. EPA approved Work Plans and QAPP.

4.0 INTERIM MEASURE ACTIVITIES

This section presents activities implemented as part of the IM for Parcels 387 and 389.

4.1 SITE PREPARATION

Site preparation activities were completed for the work area on Parcels 387 and 389 prior to initiating intrusive work activities. These activities are discussed in detail in Section 4.0 of the U.S. EPA approved Work Plan. Wherever possible, resources in place for the East Plant Area IM and Creek RA were used in conjunction with the IM for Parcels 387 and 389.

4.2 ENVIRONMENTAL CONTROLS

Prior to the initiation of intrusive activities, environmental controls were put in place to control the migration of potentially impacted dust, sediments, or surface water from leaving the work areas. These controls are described in the following subsections.

4.2.1 FUGITIVE DUST CONTROL

For the duration of the IM, the contractor was responsible for the control of fugitive particulates generated by excavation, transportation, and backfilling of soil. These control measures generally included the following and also applied to the material staging and support areas not maintained on Parcels 387 and 389:

- maintaining covers over material stockpiles;
- inspecting vehicles leaving work areas, and decontaminating as necessary;
- sweeping and wetting of paved portions of the transportation routes;
- using appropriate covers on trucks hauling and importing material; and
- seeding and erosion control in restored areas.

4.2.2 EROSION CONTROL

A Rule 5 Sediment and Erosion Control Permit Notice of Intent (NOI) application was submitted to the City of Bedford and IDEM on August 10, 2006 (Appendix B.1), and on

February 8, 2007, IDEM responded with a Notice of Sufficiency letter approving the Rule 5 Permit Application (Appendix B.2). To the extent practical, the contractor utilized construction methods that minimized the amount of exposed soil within the excavation area.

Silt fences, were placed around the perimeter of the excavation to prevent off-Site migration of sediments until restoration could be completed.

4.2.3 SURFACE WATER/STORMWATER CONTROL

Although excavation of Parcels 387 and 389 were scheduled during dry weather conditions, surface water and stormwater controls included clay dams to redirect potential stormwater and creek water around the excavation. Any water collected within the open excavation area (prior to verification of cleanup criteria) was considered impacted water, and as such was collected for treatment. The water was contained and transported to an approved on-Site water treatment facility for eventual discharge.

4.2.4 SECTION 401 WATER QUALITY CERTIFICATION AND SECTION 404 CLEAN WATER ACT PERMITS

Due to potential surface water impact from the Parcels 387 and 389 IM and related Northern Tributary IM activities, a permit under Section 404 of the Clean Water Act (CWA) was obtained from the United States Department of the United States Army Corps of Engineers (U.S. ACE). In addition, a Section 401 Water Quality Certification (WQC) was obtained from IDEM. Appendix B.3 presents the April 23, 2007 letter from IDEM approving the Section 401 WQC application and Appendix B.4 presents the May 2, 2007 letter from U.S. ACE approving the Section 404 CWA Permit application.

4.3 SOIL EXCAVATION, VERIFICATION SAMPLING, AND BACKFILLING/FINAL GRADING

4.3.1 PROPOSED EXCAVATION LIMITS

The layout of the initial excavation limits was established prior to initiation of removal activities, based on RFI sample results. The preliminary limits were surveyed on Parcels 387 and 389 using markers (e.g., stakes, survey paint, and survey flags) prior to excavation activities.

An area along the Northern Tributary on Parcels 387 and 389 was identified as containing PCB concentrations, which exceeded the soil cleanup criteria of 1.8 mg/kg PCBs. Figure 3.1 presents the proposed limits of excavation on Parcels 387 and 389, which were based on the investigative/delineation sample results.

4.3.2 SOIL EXCAVATION

The scheduling of excavation activities was coordinated so that activities were completed promptly following Site preparation and implementation of sediment controls.

The contractor performed excavation activities in accordance with the following:

- i) Excavations were performed during the dry season to minimize surface water entering the work area.
- ii) The soil/sediment previously delineated as <50 mg/kg PCBs soil/sediment was excavated, stockpiled, and sampled (stockpile and verification samples) in accordance with the stockpiling methods outlined in Section 4.4 and as detailed in the May 10, 2005 letter to U.S. EPA. Due to space constraints, the stockpiles from the excavation were located at the East Plant Area. Once the stockpile sampling confirmed that composite samples from the soil stockpile was <50 mg/kg PCBs, the soil was moved to a grading area within the East Plant Area.
- iii) Measures were taken that were necessary for dust emission control from excavation, soil handling, and transportation activities.

The final limits of soil excavation for Parcels 387 and 389 were established based on the verification of the removal of soil containing PCBs above the cleanup criteria. The completed excavation topography for Parcels 387 and 389 is presented on Figure 4.1. The estimated volume of material excavated from Parcels 387 and 389 is presented in Table 4.1. These volumes were estimated assuming a 6 inch excavation depth over the area of excavation.

4.3.3 VERIFICATION SAMPLING

Verification sampling was conducted during the soil excavation phase to evaluate the limits of the excavation and to confirm that cleanup goals were met. After the initial

removal limits were excavated and removed, verification samples were collected along the excavation floor and sidewalls. If the results indicated the cleanup criteria were not met, additional excavation was conducted. Soil samples collected from Parcels 387 and 389 outside of the stream channel were analyzed for PCBs to determine if the applicable cleanup criterion for PCBs of 1.8 mg/kg had been achieved on a 95 percent upper confidence limit (UCL) of the mean basis throughout each verification area. An expedited turnaround time for PCBs analysis was utilized for verification sample analyses to minimize the time that the excavated area was required to remain open.

The procedure for verification sampling of floodplain soil within Parcels 387 and 389 involved the following steps:

- i) The excavation was enclosed in one approximate 50 ft by 50 ft surveyed area/grid (verification area). The area was centered and aligned parallel to the creek, to the extent possible. The approximately 50 ft by 50 ft grid was adjusted in size to meet the geometry of the creek or the contaminated area.
- ii) In the verification area, soil was excavated in the pre-surveyed initial excavation area, where existing Site characterization data identified PCBs at concentrations exceeding 1.8 mg/kg PCBs. Post-excavation verification samples consisted of a 5-point composite sample collected from the top 4 inches of the excavated surface in the 50 ft by 50 ft grid.
- iii) In the 50 ft by 50 ft grid, composite sample analyses were reviewed to ensure that no composite result exceeded 1.8 mg/kg PCBs.
- iv) If no sample exceeded the 1.8 mg/kg PCBs, the 50 ft by 50 ft area was determined to have met the cleanup criteria outlined in the Work Plan.
- v) Sediment and creek centerline samples were evaluated in the manner described above to the criterion of 1 mg/kg PCBs.

Post excavation verification sample summary results for samples collected within the Parcels 387 and 389 excavation are presented on Figure 4.2. The final summary of Parcels 387 and 389 excavation verification sampling is presented on Figure 4.3. All sample results satisfied the cleanup criteria. Laboratory analytical reports and chain of custody documents are presented in Appendix C. Since none of the verification samples exceeded the 1.8 mg/kg cleanup criteria, a 95 percent UCL calculation was not required for the excavation.

4.3.4 VERIFICATION SAMPLING DATA QUALITY SUMMARY

A total of 7 samples were collected for verification purposes, which included 1 field duplicate sample set. The rate of field duplicate collection met the 10% minimum requirement outlined in the approved QAPP. Based on data quality assessment and validation, there were no issues associated with the verification samples collected from Parcels 387 and 389.

The data quality objectives (DQO) in terms of precision, accuracy, representativeness, completeness, and comparability (PARCC) were met during the verification sampling event. There were no major data quality issues encountered and no minor issues observed with the Parcel 387 analytical data. Table 4.2 presents the verification sampling results for the Parcels 387 and 389 excavations.

4.3.5 BACKFILLING/FINAL GRADING

Once the excavation area was determined to meet the cleanup goal, the excavation was backfilled as soon as practical with clean topsoil from off-Site sources approved by U.S. EPA. Topsoil sources were characterized prior to importation to ensure they were acceptable, based on chemical analysis. Only material that met the chemical and quality assurance requirements of the project QAPP were allowed for use as backfill. The area was then compacted and covered with a slope forest seed mix.

The estimated volume (tons) of topsoil backfilled for Parcels 387 and 389 is presented in Table 4.1. This volume was calculated using Autodesk LandDesktop® over the area of the excavation to an assumed fill depth of six inches to return to pre-existing conditions. The as-recorded drawing for Parcels 387 and 389 is presented on Figure 4.4.

4.4 STOCKPILE SAMPLING/WASTE CHARACTERIZATION

Waste soil from the excavation activities that exhibited concentrations of <50 mg/kg PCBs was stockpiled, characterized and deposited in the East Plant Area for use as grading fill.

Excavated material was sampled in accordance with the stockpiling and sampling procedures as modified in the Revised Parcel 22/Downstream Parcels RA Work Plans: Addendum No. 1 May 10, 2005 letter to U.S. EPA. Materials excavated from Parcels 387 and 389 were stockpiled along with materials excavated from other properties from the

Northern Tributary, which made up the bulk of the excavation material. The general procedure for characterization of stockpiled/staged soil involved the following steps:

- i) If all the delineation samples within the Parcel had concentrations of <50 mg/kg PCBs, then the soil generated from the excavation area was transported to a grading fill area within the East Plant Area.
- ii) Each stockpile consisted of a maximum of 500 tons (approximately 27 truck loads). Three composite samples were collected from each stockpile.
- iii) If multiple stockpiles were staged, then each stockpile remained segregated to prevent mixing of the soil. No additional soil was added to the stockpile after sampling was completed.
- iv) Soil was staged until sample results confirmed the material was <50 mg/kg PCBs, whereupon it was transferred to an approved fill area within the East Plant Area.
- v) If a sample result for a stockpile was ≥ 50 mg/kg PCBs then the entire stockpile was transported to the Vault.

4.5 TRANSPORTATION AND DISPOSAL OF WASTE

Soil/sediment with concentrations <50 mg/kg PCBs was directly loaded into trucks and transported to the East Plant Area for staging, stockpile sampling, and placement.

4.5.1 TRANSPORTERS AND DISPOSAL SITE

All soil materials were at concentrations <50 mg/kg PCBs, and therefore these soils were transported using transporters licensed for general transportation of sanitary wastes. Young Trucking Inc. (Young) and U.S. Bulk Transport, Inc. (U.S. Bulk) transported the material to the East Plant Area for stockpiling.

4.5.2 MANIFESTING, LABELING, AND DOCUMENTATION

All soil and waste stump material was <50 mg/kg PCBs and was sent to the East Plant Area. The contractor kept a log of all loads transported to the East Plant Area.

4.6 AIR QUALITY MONITORING

No perimeter air monitoring was conducted for the IM activities on Parcels 387 and 389 due to the limited size of the excavation, low delineation sample concentrations (<10 mg/kg PCBs), treed perimeter, prior Site experience, and the distance to residential receptors. The contractor conducted personnel air monitoring for contractor health and safety, as described in the Ambient Air Quality Monitoring Plan (AAQMP) (CRA, 2004) and amendments.

5.0 RESTORATION ACTIVITIES

The objectives of the IM restoration activities were as follows:

- comply with Access Agreement requirements for Parcels 387 and 389;
- restore disturbed areas generally to the pre-existing geomorphology and function; and
- re-vegetate areas with native plant species, after review with the Parcels 387 and 389 owners.

Restoration of privately owned Parcels 387 and 389 was based on the Access Agreements signed by the individual Parcel owners and GM. Figure 5.1 presents the restoration features of these properties.

5.1 GRADING, MORPHOLOGY, AND FUNCTION

The Parcels 387 and 389 excavation was completed to a depth of approximately 6 inches from the top of ground surface, and as such, compacted topsoil was used to grade the area to pre-existing grade. The creek channel and affected upland slope areas were restored to a similar geomorphology using materials similar to those naturally present in the creek prior to the IM.

To prevent excessive erosion and to allow the creek banks to reach a naturally stable condition, planting was completed immediately after construction. The surfaces of the creek banks were overlain with straw after planting to provide initial erosion protection.

5.2 SITE RE-VEGETATION

Slope forest seed mix was used to stabilize and provide ground cover for the restored areas. This specific seed mix was selected for use on the basis of the hydrologic regime, past and future uses of the area, and the slope of the restored area.

Four trees were installed to replace the four trees (having a diameter of 3 or more inches) that were removed as part of the implementation of the IM. Seedlings species and planting locations are presented on Figure 5.1.

6.0 SUMMARY

Initial investigative sampling results for soil and sediment on Parcels 387 and 389 indicated an exceedance of 1.8 mg/kg PCBs in soil and 1 mg/kg PCBs in sediment in one area. This area was excavated to meet the cleanup objectives, and restored. A summary of the IM activities completed for Parcels 387 and 389, which identifies the total number of delineation and verification samples collected, quantity of soil excavated, quantity of topsoil backfilled, and number of trees installed is presented in Table 6.1.

7.0 REFERENCES

- CRA, Quality Assurance Project Plan (QAPP), November 5, 2001.
- CRA, Quality Assurance Project Plan (QAPP), Revision 1, December 12, 2004.
- CRA, Quality Assurance Project Plan (QAPP), Revision 2, July 25, 2006.
- CRA, Revised Parcel 22/Downstream Parcels Removal Action (RA) Work Plans:
Addendum No. 1, May 10, 2005.
- CRA, Northern Tributary - Parcels 384/386 and 393 Interim Measures Work Plan,
January 10, 2006.
- U.S. EPA, Compendium of Methods for the Determination of Toxic Organic Compounds
in Ambient Air: Compendium Method TO-4A Determination of Pesticides and
Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane
Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector
Detection (GC/MD), January 1999.

8.0 CONSTRUCTION CERTIFICATION

Under penalty of law, I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this Report, the information submitted is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

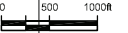
Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'J. McGuigan', written in a cursive style.

For
James J. McGuigan, P.E.

A handwritten signature in black ink, appearing to read 'G. Turchan', written in a cursive style.

For
Glenn Turchan, M.A. Sc., P. Eng.



PARCELS
387 AND 389

GM CTEC
BEDFORD FACILITY

LEGEND

- EXISTING GROUND SURFACE
- ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- FENCE LINE
- RAILROAD TRACKS
- DIRT ROADS
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- APPROXIMATE STUDY AREA

NOTE: GM PROPERTY BOUNDARY, PARCELS 22, 86 AND 89 BOUNDARY SURVEYS BY BLEDSOE, RIGGERT, GUERRITZ, ADJACENT PROPERTY BOUNDARY LOCATION IS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT THE TRUE BOUNDARIES

NO.	Revision	Date	Initial

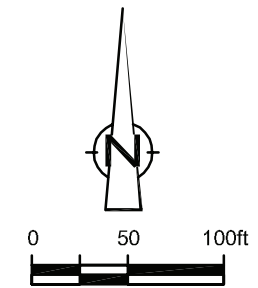
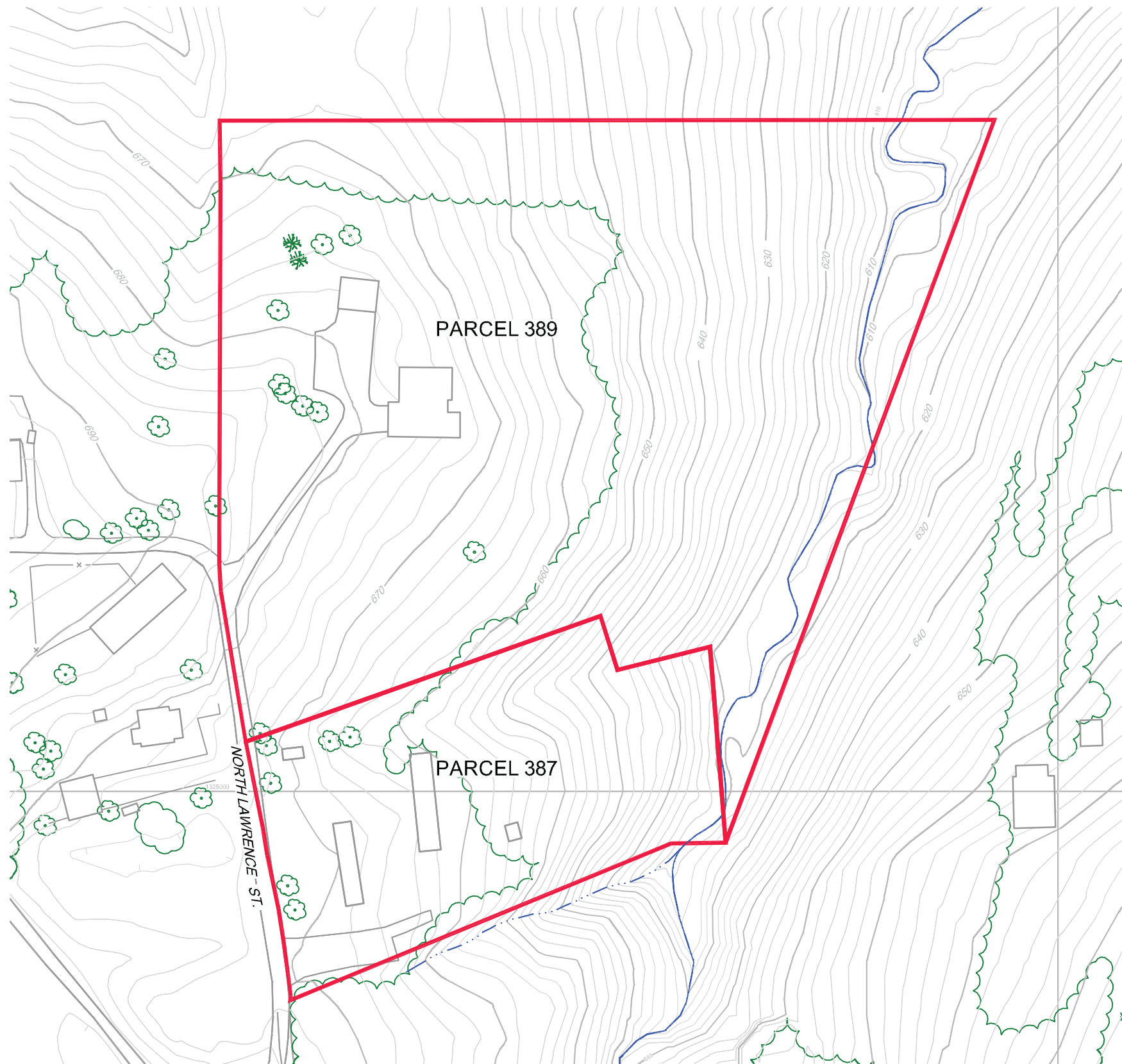
SCALE VERIFICATION	
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.	
Approved _____	

GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA









PARCELS 387 AND 389 INTERIM MEASURE

SITE LOCATION

CONESTOGA-ROVERS & ASSOCIATES			
Source Reference			
BASE MAP COMPLETED BY ARLAND SURVEYS, FLINT, MI, APRIL 2001 AND CRA SURVEYS 2002 TO 2005			
Project Manager:	Reviewed By:	Date:	
J.D.	S.H.	JANUARY 2005	
Scale:	Project N°:	Report N°:	Drawing N°:
AS SHOWN	13968-00	321	figure 1.1



LEGEND

-  EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
-  EXISTING VEGETATION
-  EXISTING BUILDINGS
-  RETAINING WALL
-  ROADS / UNPAVED AREAS
-  STREAMS
-  NORTHERN TRIBUTARY LOCATION
-  APPROXIMATE PARCELS 387 AND 389 INTERIM MEASURE PARCEL BOUNDARY

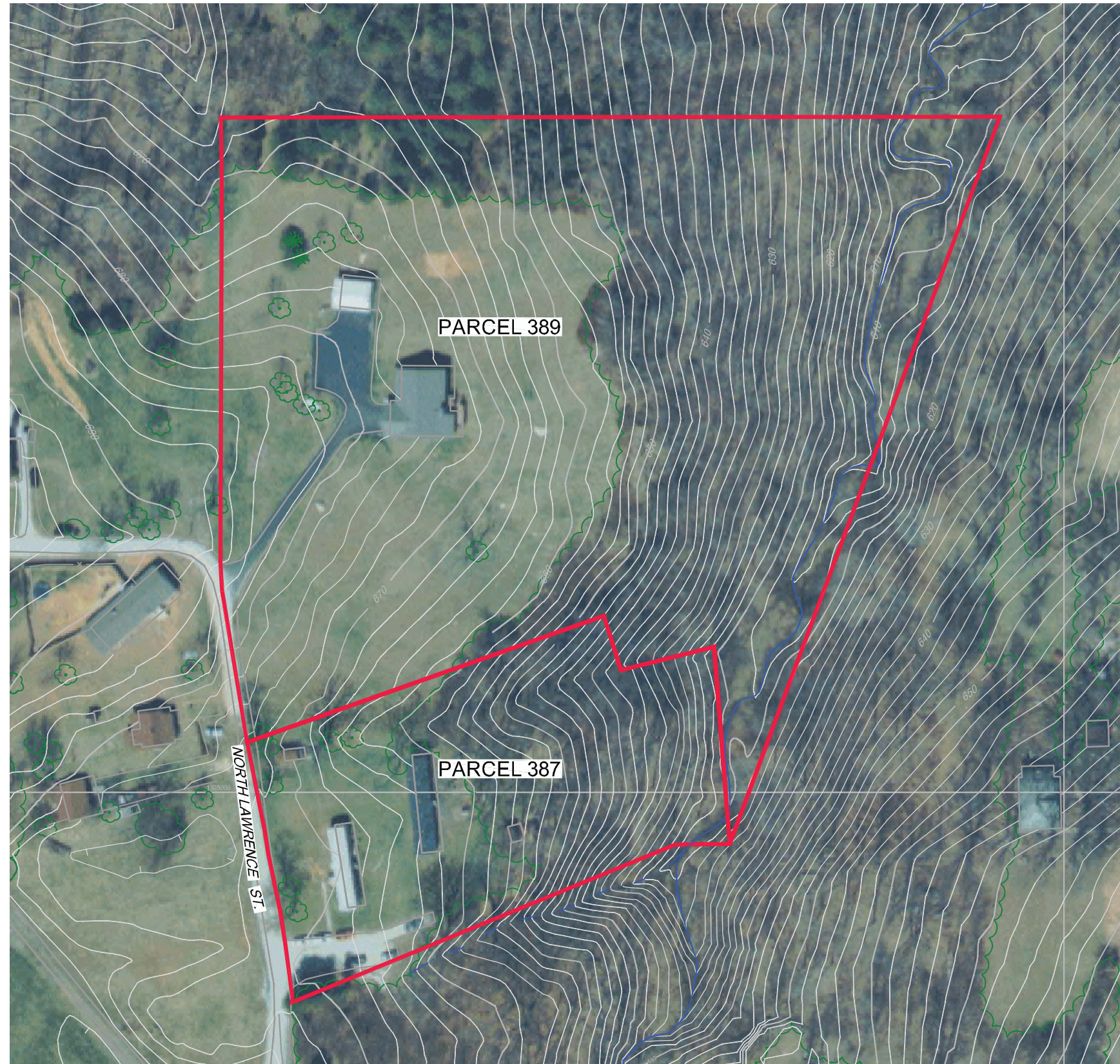
NOTE:

- 1) PARCEL 387 BOUNDARY SURVEYED BY BLEDSOE RIGGERT GUERRETTAZ (2003). ADJACENT PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE TRUE PROPERTY BOUNDARIES

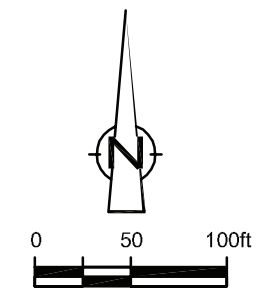
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

figure 1.2
SITE PLAN
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana





SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS,
FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005



LEGEND

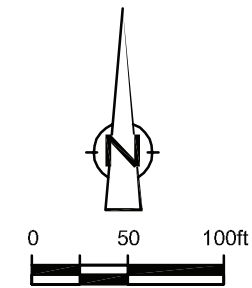
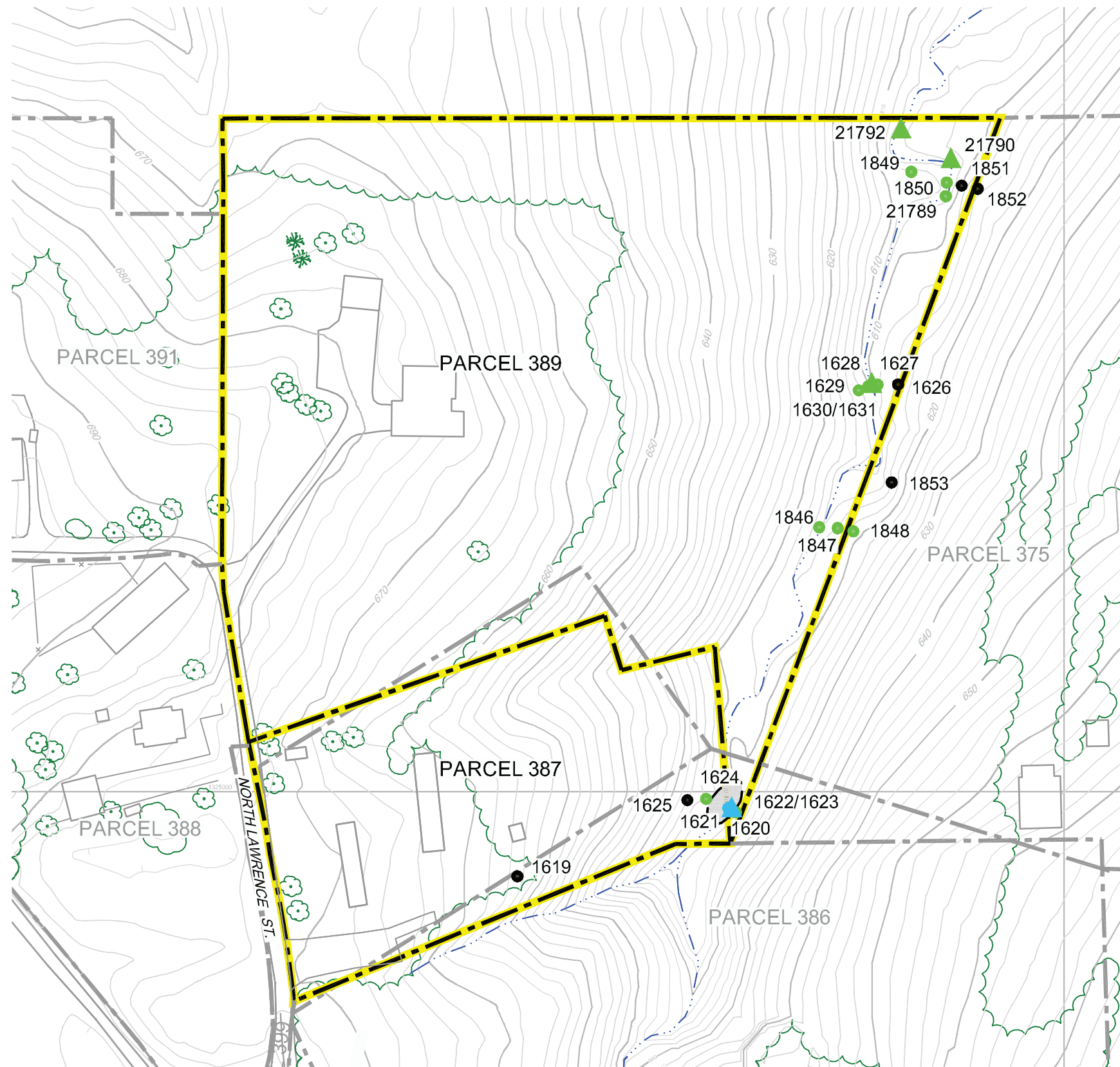
- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- RETAINING WALL
- ROADS / UNPAVED AREAS
- STREAMS
- NORTHERN TRIBUTARY LOCATION
- APPROXIMATE PARCELS 387 AND 389 INTERIM MEASURE PARCEL BOUNDARY

NOTE:

- 1) PARCEL 387 BOUNDARY SURVEYED BY BLEDSOE RIGGERT GUERRETTAZ (2003). ADJACENT PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. ADJOINING PROPERTY LINES MAY NOT ACCURATELY REPRESENT THE TRUE PROPERTY BOUNDARIES

figure 1.3
 PRE-CLEANUP SITE AERIAL
 PARCELS 387 AND 389 INTERIM MEASURE
 GM CTEC BEDFORD FACILITY
 Bedford, Indiana





LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- RETAINING WALL
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY (SEE NOTE 1 BELOW)
- SURVEYED PROPERTY BOUNDARY (RECEIVED MARCH 1/2007)
- PARCELS 387 AND 389 PROPERTY BOUNDARY
- PROPOSED LIMIT OF EXCAVATION

SAMPLE LOCATION: PCB RESULTS

- SOIL: NON DETECT (ND)
- SOIL: > ND ≤ 1.8 mg/kg
- SOIL: > 1.8 mg/kg AND < 50 mg/kg
- SEDIMENT: > ND ≤ 1 mg/kg
- SEDIMENT: > 1 mg/kg AND < 50 mg/kg

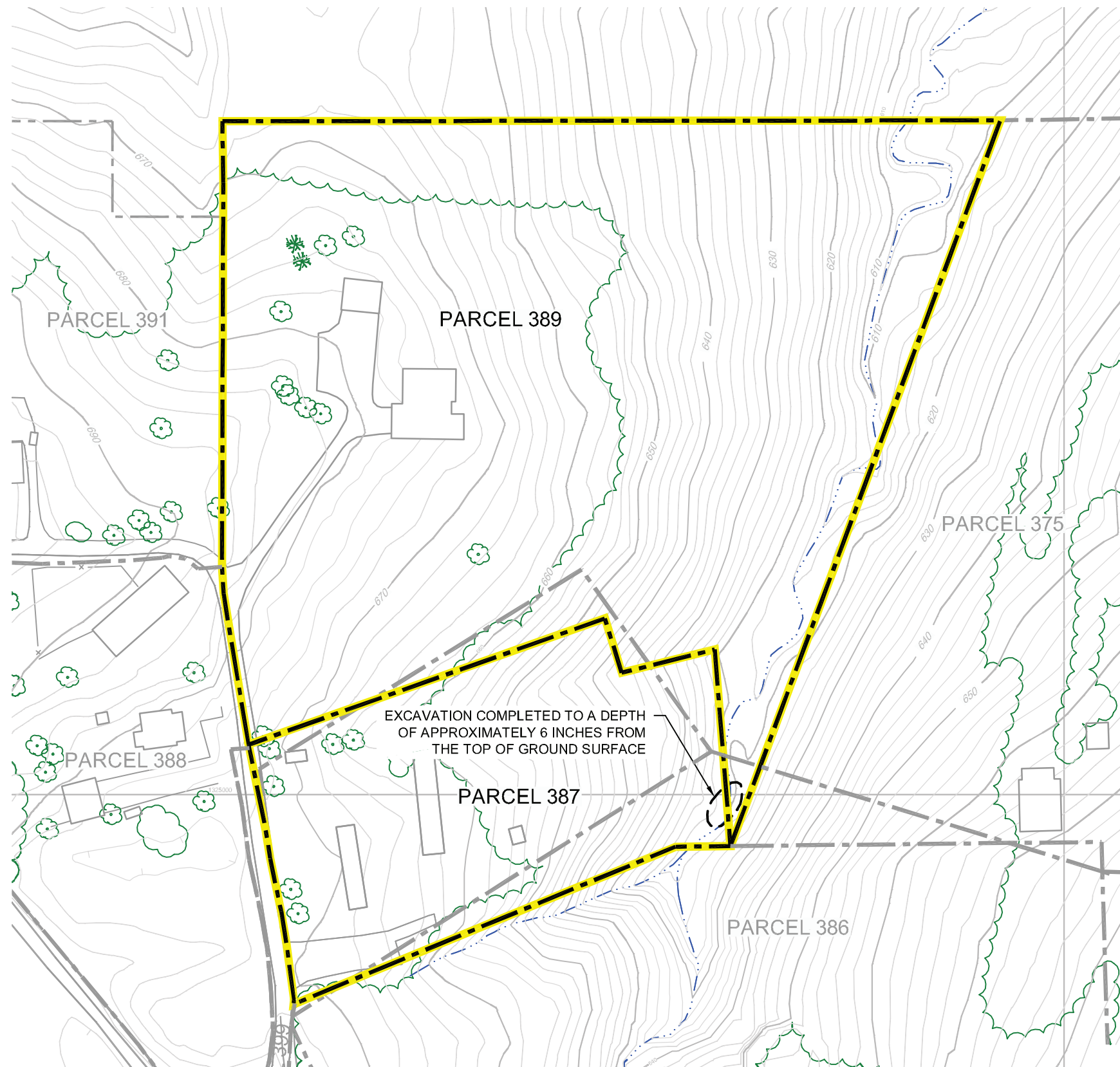
NOTE:

- 1 PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT TRUE BOUNDARIES

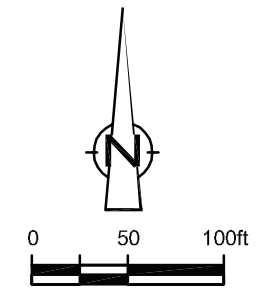
SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

figure 3.1
 INVESTIGATIVE SAMPLE LOCATIONS
 PARCELS 387 AND 389 INTERIM MEASURE
 GM CTEC BEDFORD FACILITY
 Bedford, Indiana





SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- RETAINING WALL
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY (SEE NOTE 1 BELOW)
- SURVEYED PROPERTY BOUNDARY (RECEIVED MARCH 1/2007)
- PARCELS 387 AND 389 PROPERTY BOUNDARY
- EXCAVATION LIMIT

NOTE:

- 1 PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT TRUE BOUNDARIES

figure 4.1
 COMPLETED EXCAVATION TOPOGRAPHY
 PARCELS 387 AND 389 INTERIM MEASURE
 GM CTEC BEDFORD FACILITY
 Bedford, Indiana



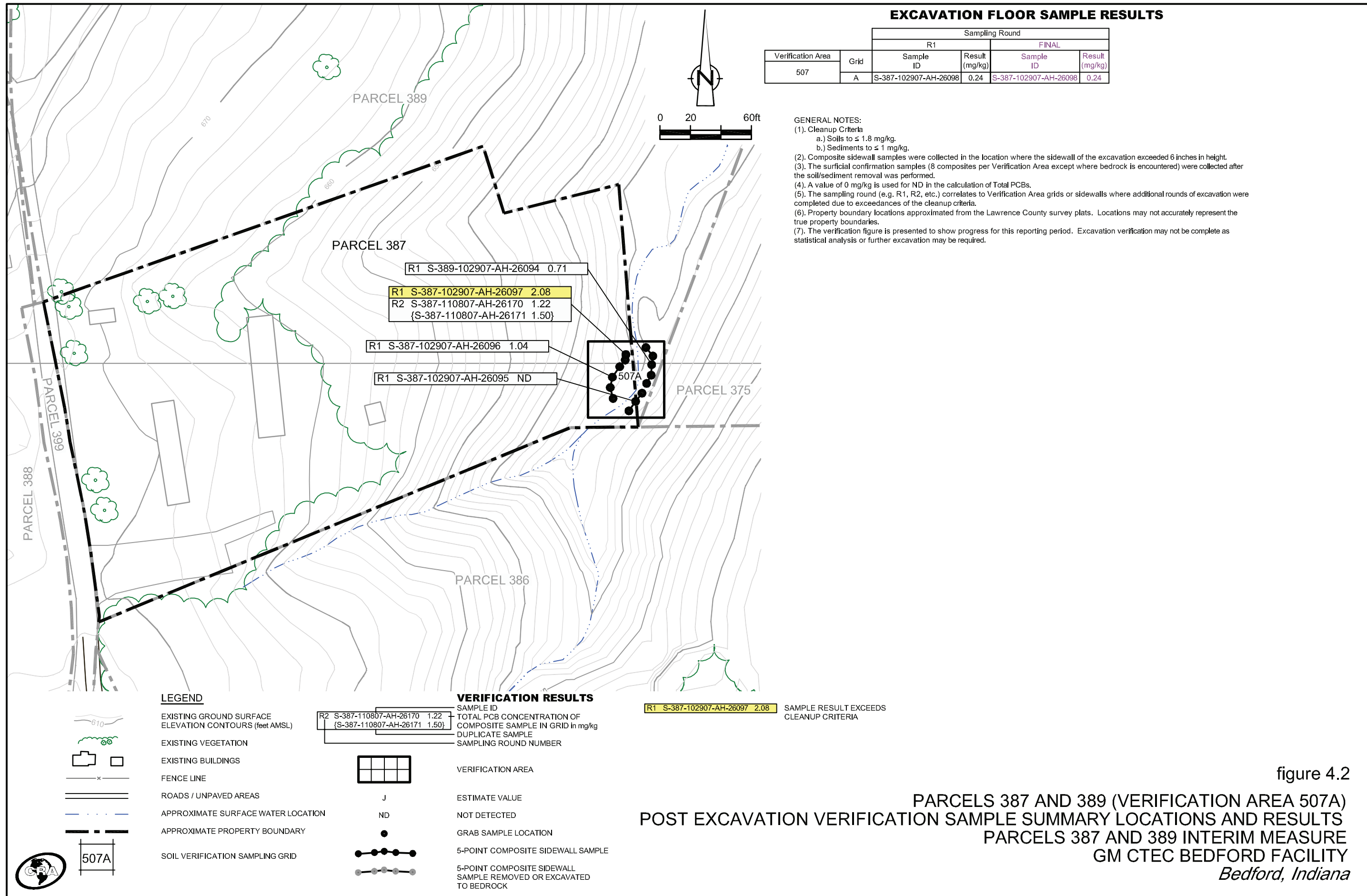
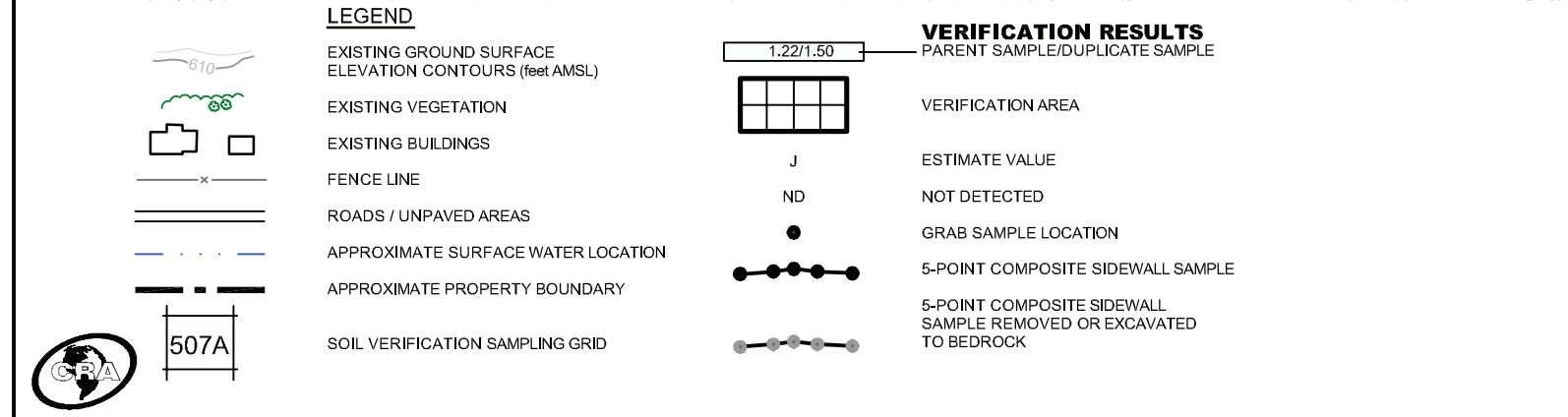
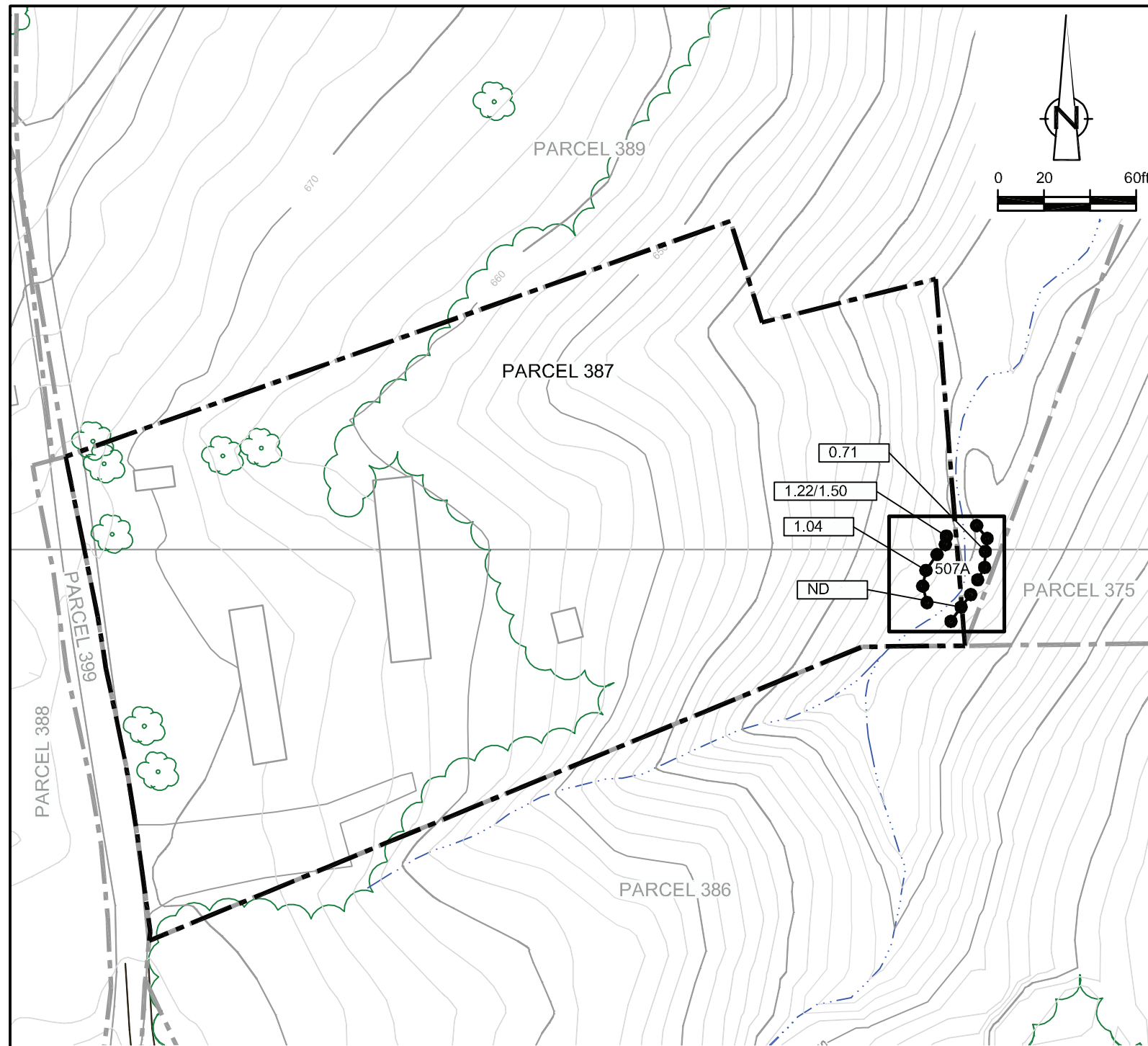


figure 4.2
PARCELS 387 AND 389 (VERIFICATION AREA 507A)
POST EXCAVATION VERIFICATION SAMPLE SUMMARY LOCATIONS AND RESULTS
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana

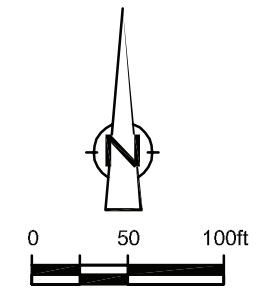
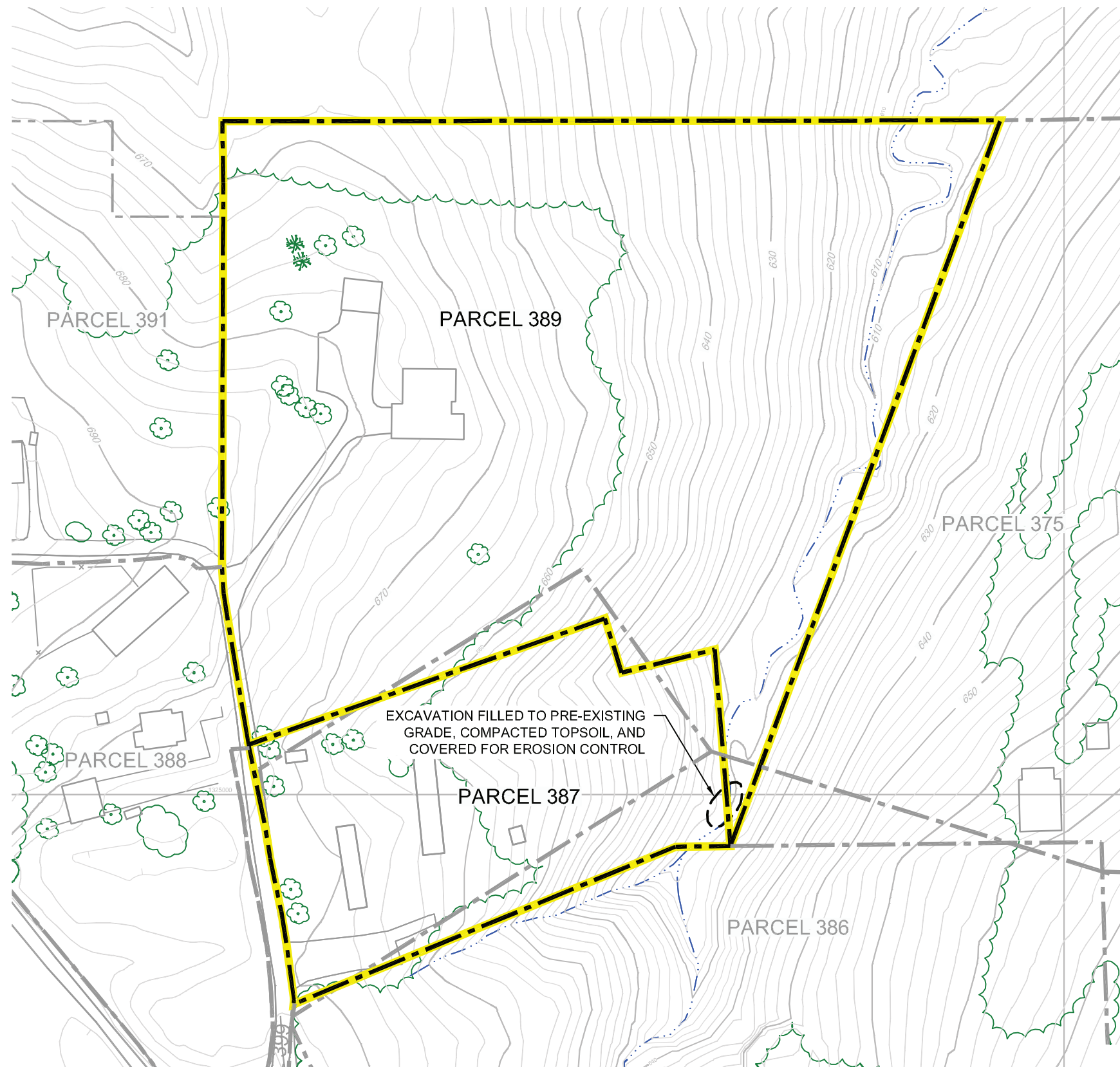


EXCAVATION FLOOR SAMPLE RESULTS

Verification Area	Grid	Sampling Round
		FINAL
507	A	Result (mg/kg)
	A	0.24

- GENERAL NOTES:
- Cleanup Criteria
 - Soils to ≤ 1.8 mg/kg.
 - Sediments to ≤ 1 mg/kg.
 - Composite sidewall samples were collected in the location where the sidewall of the excavation exceeded 6 inches in height.
 - The surficial confirmation samples (8 composites per Verification Area except where bedrock is encountered) were collected after the soil/sediment removal was performed.
 - A value of 0 mg/kg is used for ND in the calculation of Total PCBs.
 - The sampling round (e.g. R1, R2, etc.) correlates to Verification Area grids or sidewalls where additional rounds of excavation were completed due to exceedances of the cleanup criteria.
 - Property boundary locations approximated from the Lawrence County survey plats. Locations may not accurately represent the true property boundaries.
 - The verification figure is presented to show progress for this reporting period. Excavation verification may not be complete as statistical analysis or further excavation may be required.

figure 4.3
 PARCELS 387 AND 389 (VERIFICATION AREA 507A)
 POST EXCAVATION VERIFICATION FINAL SAMPLE SUMMARY
 PARCELS 387 AND 389 INTERIM MEASURE
 GM CTEC BEDFORD FACILITY
 Bedford, Indiana



LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- EXISTING VEGETATION
- EXISTING BUILDINGS
- RETAINING WALL
- ROADS / PAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY (SEE NOTE 1 BELOW)
- SURVEYED PROPERTY BOUNDARY (RECEIVED MARCH 1/2007)
- PARCELS 387 AND 389 PROPERTY BOUNDARY
- EXCAVATION LIMIT

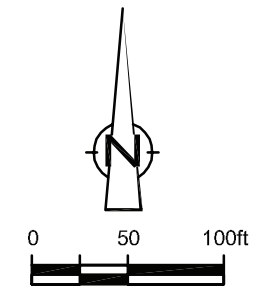
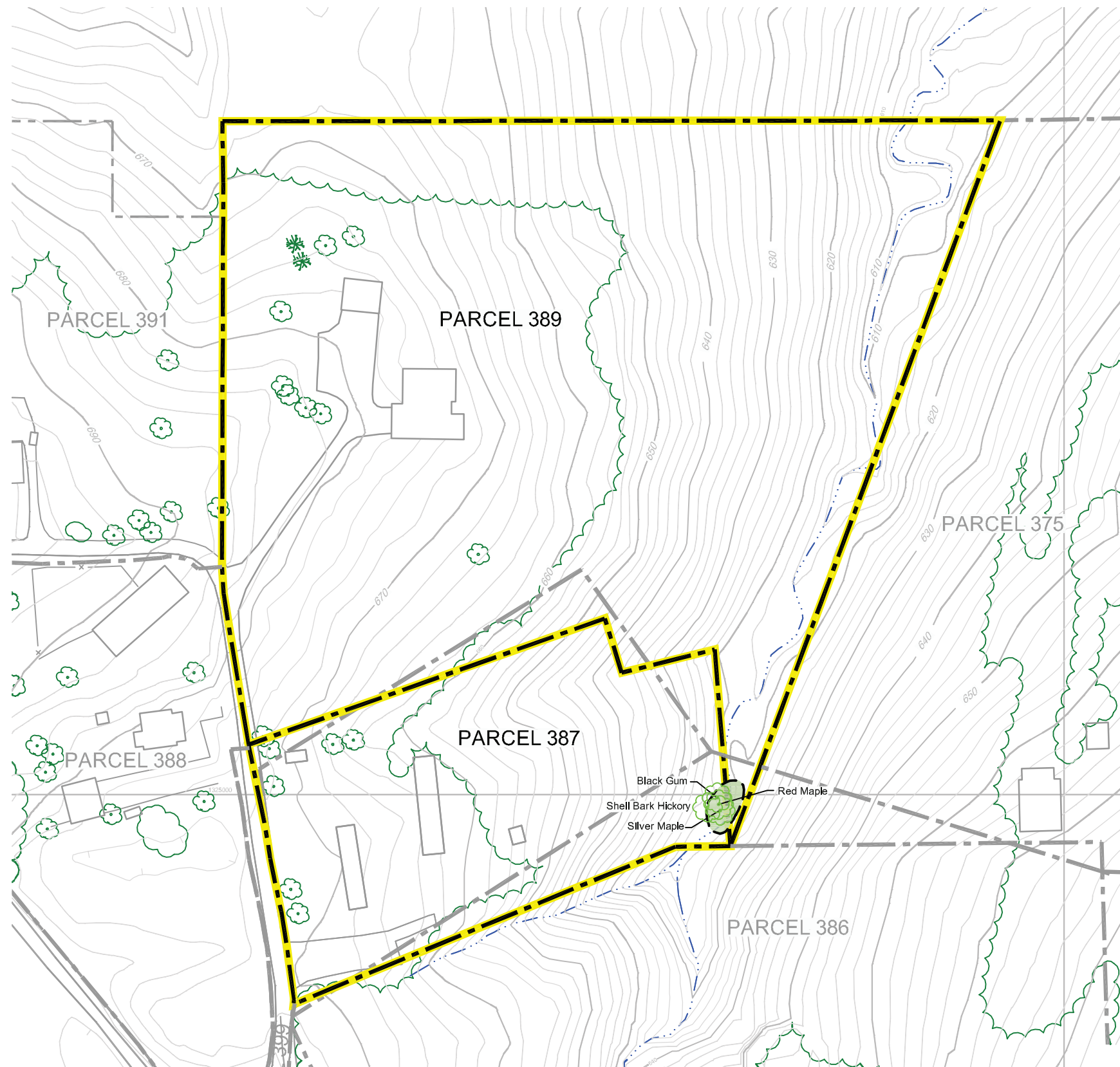
NOTE:

- 1 PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT TRUE BOUNDARIES













SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

figure 4.4
 COMPLETED BACKFILL TOPOGRAPHY
 PARCELS 387 AND 389 INTERIM MEASURE
 GM CTEC BEDFORD FACILITY
 Bedford, Indiana





LEGEND

-  EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
-  EXISTING VEGETATION
-  EXISTING BUILDINGS
-  RETAINING WALL
-  ROADS / PAVED AREAS
-  APPROXIMATE SURFACE WATER LOCATION
-  APPROXIMATE PROPERTY BOUNDARY (SEE NOTE 1 BELOW)
-  SURVEYED PROPERTY BOUNDARY (RECEIVED MARCH 1/2007)
-  PARCELS 387 AND 389 PROPERTY BOUNDARY
-  LIMIT OF DISTURBANCE
-  SLOPE FOREST SEED MIX
-  NEW TREE LOCATION (DEC.2008)

NOTE:

- 1 PROPERTY BOUNDARY LOCATIONS APPROXIMATED FROM THE LAWRENCE COUNTY SURVEY PLATS. LOCATIONS MAY NOT ACCURATELY REPRESENT TRUE BOUNDARIES

SOURCE: BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001 AND CRA SURVEYS 2002 TO 2005

figure 5.1
SITE RESTORATION
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana



TABLE 3.1
SUMMARY OF PARCELS 387 389 INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Sample Area		P374/P375 P389	P387	P387	P387	P387	P387
Sample Location		375-1853	384/386/387-1619	384/386/387-1620	384/386/387-1621	384/386/387-1622/23	384/386/387-1624
Sample Identification		S-00-050902-JW-1853	S-00-040802-GS-1619	S-00-040802-GS-1620	S-00-040802-GS-1621	SD-00-040802-GS-1622	S-00-040802-GS-1624
Sample Date		5/9/2002	4/8/2002	4/8/2002	4/8/2002	4/8/2002	4/8/2002
Sample Depth		(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	-	(0-0.33) FT
Sample Type							
		<i>Units</i>					
<i>PCBs</i>							
Aroclor-1016 (PCB-1016)	mg/kg	0.05 U	0.044 U	0.043 U	0.48 U	0.6 U	0.052 U
Aroclor-1221 (PCB-1221)	mg/kg	0.05 U	0.044 U	0.043 U	0.48 U	0.6 U	0.052 U
Aroclor-1232 (PCB-1232)	mg/kg	0.05 U	0.044 U	0.043 U	0.48 U	0.6 U	0.052 U
Aroclor-1242 (PCB-1242)	mg/kg	0.05 U	0.044 U	0.043 U	0.48 U	0.6 U	0.052 U
Aroclor-1248 (PCB-1248)	mg/kg	0.05 U	0.044 U	0.039 J	2.7	3.1	0.17
Aroclor-1254 (PCB-1254)	mg/kg	0.05 U	0.044 U	0.043 U	0.48 U	0.6 U	0.052 U
Aroclor-1260 (PCB-1260)	mg/kg	0.05 U	0.044 U	0.019 J	0.5	0.58 J	0.034 J
Total PCBs	mg/kg	0	0	0.058 J	3.2	3.68 J	0.204 J

Notes:

U - Not present at or above the associated value.

J - Estimated concentration.

TABLE 3.1
SUMMARY OF PARCELS 387 389 INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Sample Area		P387	P389	P389	P389	P389	P389
Sample Location		384/386/387-1625	389-1626	389-1627	389-1628	389-1629	389-1630/1631
Sample Identification		S-00-040802-GS-1625	S-00-040802-GS-1626	S-00-040802-GS-1627	S-00-040802-GS-1628	S-00-040802-GS-1629	SD-00-040802-GS-1631
Sample Date		4/8/2002	4/8/2002	4/8/2002	4/8/2002	4/8/2002	4/8/2002
Sample Depth		(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	-
Sample Type							
	<i>Units</i>						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.043 U	0.047 U	0.052 U	0.47 U	0.049 U	0.1 U
Aroclor-1221 (PCB-1221)	mg/kg	0.043 U	0.047 U	0.052 U	0.47 U	0.049 U	0.1 U
Aroclor-1232 (PCB-1232)	mg/kg	0.043 U	0.047 U	0.052 U	0.47 U	0.049 U	0.1 U
Aroclor-1242 (PCB-1242)	mg/kg	0.043 U	0.047 U	0.052 U	0.47 U	0.049 U	0.1 U
Aroclor-1248 (PCB-1248)	mg/kg	0.043 U	0.047 U	0.37	1.3	0.013 J	0.67
Aroclor-1254 (PCB-1254)	mg/kg	0.043 U	0.047 U	0.052 U	0.47 U	0.049 U	0.1 U
Aroclor-1260 (PCB-1260)	mg/kg	0.043 U	0.047 U	0.088	0.2 J	0.049 U	0.089 J
Total PCBs	mg/kg	0	0	0.458	1.5 J	0.013 J	0.759 J

Notes:

U - Not present at or above the associated value.

J - Estimated concentration.

TABLE 3.1
SUMMARY OF PARCELS 387 389 INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Sample Area		P389	P389	P389	P389	P389	P389
Sample Location		389-1846	389-1847	389-1848	389-1849	389-1850	389-1851
Sample Identification		S-00-050902-JW-1846	S-00-050902-JW-1847	S-00-050902-JW-1848	S-00-050902-JW-1849	S-00-050902-JW-1850	S-00-050902-JW-1851
Sample Date		5/9/2002	5/9/2002	5/9/2002	5/9/2002	5/9/2002	5/9/2002
Sample Depth		(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT
Sample Type							
<i>Units</i>							
<i>PCBs</i>							
Aroclor-1016 (PCB-1016)	mg/kg	0.049 U	0.22 U	0.049 U	0.045 U	0.23 U	0.046 U
Aroclor-1221 (PCB-1221)	mg/kg	0.049 U	0.22 U	0.049 U	0.045 U	0.23 U	0.046 U
Aroclor-1232 (PCB-1232)	mg/kg	0.049 U	0.22 U	0.049 U	0.045 U	0.23 U	0.046 U
Aroclor-1242 (PCB-1242)	mg/kg	0.049 U	0.22 U	0.049 U	0.045 U	0.23 U	0.046 U
Aroclor-1248 (PCB-1248)	mg/kg	0.036 J	1.4	0.25	0.038 J	1.2	0.046 U
Aroclor-1254 (PCB-1254)	mg/kg	0.049 U	0.22 U	0.049 U	0.045 U	0.23 U	0.046 U
Aroclor-1260 (PCB-1260)	mg/kg	0.016 J	0.29	0.077	0.024 J	0.23	0.046 U
Total PCBs	mg/kg	0.052 J	1.69	0.327	0.062 J	1.43	0

Notes:

U - Not present at or above the associated value.

J - Estimated concentration.

TABLE 3.1
SUMMARY OF PARCELS 387 389 INVESTIGATIVE SAMPLE ANALYTICAL RESULTS
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Sample Area		P389	P389	P389	P389	P389	P389
Sample Location		389-1852	389-1852	389-21789	389-21790	389-21790	389-21792
Sample Identification		S-00-050902-JW-1852	S-00-050902-JW-1852A	S-389-022007-AH-21789	SE-389-022007-AH-21790	SE-389-022007-AH-21791	SE-389-022007-AH-21792
Sample Date		5/9/2002	5/9/2002	2/20/2007	2/20/2007	2/20/2007	2/20/2007
Sample Depth		(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT
Sample Type			Duplicate			Duplicate	
	<i>Units</i>						
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.048 U	0.046 U	0.046 U	0.053 U	0.054 U	0.045 U
Aroclor-1221 (PCB-1221)	mg/kg	0.048 U	0.046 U	0.046 U	0.053 U	0.054 U	0.045 U
Aroclor-1232 (PCB-1232)	mg/kg	0.048 U	0.046 U	0.046 U	0.053 U	0.054 U	0.045 U
Aroclor-1242 (PCB-1242)	mg/kg	0.048 U	0.046 U	0.046 U	0.053 U	0.054 U	0.045 U
Aroclor-1248 (PCB-1248)	mg/kg	0.048 U	0.046 U	1.1	0.58	0.6	0.87
Aroclor-1254 (PCB-1254)	mg/kg	0.048 U	0.046 U	0.046 U	0.053 U	0.054 U	0.045 U
Aroclor-1260 (PCB-1260)	mg/kg	0.048 U	0.046 U	0.27	0.14	0.17	0.19
Total PCBs	mg/kg	0	0	1.37	0.72	0.77	1.06

Notes:
 U - Not present at or above the associated value.
 J - Estimated concentration.

TABLE 3.1
PARCELS 387 389 INVESTIGATIVE SAMPLE ANALYTICAL RESULTS SUMMARY
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Sample Area	P389
Sample Location	389-1630/1631
Sample Identification	SW-00-040802-GS-1630
Sample Date	4/8/2002
Sample Depth	-
Sample Type	

Units

PCBs

Aroclor-1016 (PCB-1016)	mg/kg	--
Aroclor-1221 (PCB-1221)	mg/kg	--
Aroclor-1232 (PCB-1232)	mg/kg	--
Aroclor-1242 (PCB-1242)	mg/kg	--
Aroclor-1248 (PCB-1248)	mg/kg	--
Aroclor-1254 (PCB-1254)	mg/kg	--
Aroclor-1260 (PCB-1260)	mg/kg	--
Total PCBs	mg/kg	--
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U
Total PCBs	mg/L	0
Aroclor-1016 (PCB-1016) (dissolved)	mg/L	0.0002 U
Aroclor-1221 (PCB-1221) (dissolved)	mg/L	0.0002 U
Aroclor-1232 (PCB-1232) (dissolved)	mg/L	0.0004 U
Aroclor-1242 (PCB-1242) (dissolved)	mg/L	0.0002 U
Aroclor-1248 (PCB-1248) (dissolved)	mg/L	0.0002 U
Aroclor-1254 (PCB-1254) (dissolved)	mg/L	0.0002 U
Aroclor-1260 (PCB-1260) (dissolved)	mg/L	0.0002 U
Total PCBs (dissolved)	mg/L	0

Field Parameters

Conductivity, field	mS/cm	0.534
Dissolved oxygen (DO), field	mg/L	0.97
Flow rate	gpm/ft	--
Oxidation reduction potential (ORP), field	millivolts	121.6
pH, field	s.u.	7.97
Temperature (sample)	Deg C	12.18
Turbidity (field)	NTU	7.2

Notes:

U - Not present at or above the associated value.

J - Estimated concentration.

TABLE 4.1
PARCELS 387 AND 389 EXCAVATION SUMMARY
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

<u>Parcel</u>	<u>Excavated Volume</u> ⁽¹⁾ (cubic yards)	<u>Excavated Tonnage</u> ⁽¹⁾⁽²⁾ (tons)	<u>Backfill Tonnage</u> ⁽¹⁾ (tons)
387	7	9.8	9.8
389	5	7	7

Notes:

1. Volumes/tonnage calculated using AutoDesk Civil 3D®.
2. Used conversion of 1 cubic yard = 1.4 tons in tonnage conversion tons.

TABLE 4.2
PARCELS 387 AND 389 VERIFICATION SAMPLING RESULTS AND DATA QUALITY SUMMARY
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA

Area		P387	P387	P387	P387	P387	P387	P389
Sample Location		387-26095	387-26096	387-26097	387-26098	387-26170	387-26170	389-26094
Sample Identification		S-387-102907-AH-26095	S-387-102907-AH-26096	S-387-102907-AH-26097	S-387-102907-AH-26098	S-387-110807-AH-26170	S-387-110807-AH-26171	S-389-102907-AH-26094
Sample Date		10/29/2007	10/29/2007	10/29/2007	10/29/2007	11/8/2007	11/8/2007	10/29/2007
Sample Depth		(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT	(0-0.33) FT
Sample Type							Duplicate	
Sample Delivery Group		A7J29197	A7J29197	A7J29197	A7J29197	A7K08389	A7K08389	A7J29198
Excavated Status		Final	Final	Excavated	Final	Final	Final	Final
	Units							
PCBs								
Aroclor-1016 (PCB-1016)	mg/kg	0.042 U	0.053 U	0.045 U	0.046 U	0.046 U	0.048 U	0.044 U
Aroclor-1221 (PCB-1221)	mg/kg	0.042 U	0.053 U	0.045 U	0.046 U	0.046 U	0.048 U	0.044 U
Aroclor-1232 (PCB-1232)	mg/kg	0.042 U	0.053 U	0.045 U	0.046 U	0.046 U	0.048 U	0.044 U
Aroclor-1242 (PCB-1242)	mg/kg	0.042 U	0.053 U	0.045 U	0.046 U	0.046 U	0.048 U	0.044 U
Aroclor-1248 (PCB-1248)	mg/kg	0.042 U	0.82	1.5	0.17	1	1.2	0.57
Aroclor-1254 (PCB-1254)	mg/kg	0.042 U	0.053 U	0.045 U	0.046 U	0.046 U	0.048 U	0.044 U
Aroclor-1260 (PCB-1260)	mg/kg	0.042 U	0.22	0.58	0.067	0.22	0.3	0.14
Total PCBs	mg/kg	0	1.04	2.08	0.237	1.22	1.5	0.71
Wet								
Total Solids	%	78.1	62.8	73.8	71.1	71.6	69.0	74.6
QC Summary		No Issues	No Issues	No Issues	No Issues	No Issues	No Issues	No Issues

Notes:

U - Not present at or above the associated value.

J - Estimated concentration.

TABLE 6.1

**MASTER PARCELS 387 AND 389 SUMMARY TABLE
GM CTEC BEDFORD FACILITY
BEDFORD, INDIANA**

<i>Parcel</i>	<i>Delineation and Verification Samples Collected ⁽¹⁾</i>	<i>Quantity of Soil Excavated (tons) ⁽²⁾</i>	<i>Quantity of Soil Backfilled (tons) ⁽²⁾</i>	<i>Number of Trees Installed</i>	<i>Other</i>
387/389	31	17	17	4	slope forest seed mix

Notes:

- 1 Includes 3 duplicates
- 2 Quantity based on excavation survey and final survey.

APPENDIX A

PHOTOGRAPHIC LOG



PHOTO 01: PARCEL 387/389 - SURVEYED MARKERS INDICATING PRELIMINARY EXCAVATION LIMITS (FACING WEST). AUG-07



PHOTO 02: PARCEL 387/389 - CONTRACTOR PERFORMING EXCAVATION ACTIVITIES (FACING NORTH). OCT-07

PHOTOGRAPHIC LOG
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana





PHOTO 03: PARCEL 387/389 - EXCAVATION COMPLETED TO APPROXIMATELY 6 INCHES BELOW TOP OF GROUND SURFACE (FACING NORTH). OCT-07



PHOTO 04: PARCEL 387/389 - SILTATION FENCES TO PREVENT EROSION AND MIGRATION OF DEBRIS FROM THE WORK AREA (FACING NORTH). OCT-07

PHOTOGRAPHIC LOG
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana





PHOTO 05: PARCEL 387/389 - VERIFICATION SAMPLING ACTIVITIES TO EVALUATE THE LIMITS OF THE EXCAVATION (FACING NORTH). OCT-07



PHOTO 06: PARCEL 387/389 - PREPARING FOR INSTALLATION OF FOUR NEW TREES (FACING NORTH). DEC-08

PHOTOGRAPHIC LOG
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana





PHOTO 07: PARCEL 387/389 - SURVEYING FOR BLACK GUM TREE PLACEMENT LOCATION (FACING NORTH), DEC-08



PHOTO 08: PARCEL 387/389 - RESTORED SITE WITH FOUR NEW TREES INSTALLED (FACING NORTH), DEC-08

PHOTOGRAPHIC LOG
PARCELS 387 AND 389 INTERIM MEASURE
GM CTEC BEDFORD FACILITY
Bedford, Indiana



APPENDIX B

PERMITS

APPENDIX B.1	RULE 5 EROSION CONTROL PLAN NOTICE OF INTENT
APPENDIX B.2	IDEM RULE 5 EROSION CONTROL PLAN NOTICE OF SUFFICIENCY
APPENDIX B.3	IDEM SECTION 401 WATER QUALITY CERTIFICATION LETTER
APPENDIX B.4	U.S. ACE SECTION 404 CLEAN WATER ACT LETTER

APPENDIX B.1

RULE 5 EROSION CONTROL PLAN NOTICE OF INTENT



RULE 5 - NOTICE OF INTENT (NOI)

State Form 47487 (R5 / 10-05)
Indiana Department of Environmental Management
Office of Water Quality
Approved by State Board of Accounts, 2005

Type of Submittal (Check Appropriate Box): <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Amendment <input type="checkbox"/> Renewal
Permit Number:
(Note: The initial submittal does not require a permit number; the Department will assign a number. A permit number is required when filing an amendment, applying for renewal, or correspondence related to this permit).

Note: Submission of this Notice of Intent letter constitutes notice that the project site owner is applying for coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit Rule for Storm Water Discharges Associated with Construction Activity. Permitted project site owners are required to comply with all terms and conditions of the General Permit Rule 327 IAC 15-5 (Rule 5).

Project Name and Location

Project Name: NORTHERN TRIBUTARY INTERIM (IM) WORK PLAN		County: LAWRENCE
Brief Description of Project Location: A TRIBUTARY DISCHARGING TO BAILEY'S BRANCH CREEK ON PARCELS LOCATED NORTH OF BRECKENRIDGE ROAD, WEST OF NORTH JACKSON ST., SOUTH OF BROOMSAGE ROAD		
Project Location: Describe location in Latitude and Longitude (Degrees, Minutes, and Seconds or Decimal representation) and by legal description (Section, Township, and Range, Civil Township)		
Latitude: N39° 52' 59"	Longitude: W86° 29' 8"	
Quarter:	Section:	Township:
Does <input type="checkbox"/> all or <input type="checkbox"/> part of this project lie within the jurisdictional boundaries of a Municipal Separate Storm Sewer System (MS4) as defined in 327 IAC 15-13?		Range:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name the MS4(s):		Civil Township:

Project Site Owner and Project Contact Information

Company Name (If Applicable): GENERAL MOTORS		
Project Site Owner's Name: (An Individual) CHERYL HIATT		Title/Position: PROJECT MANAGER
Address: 2000 CENTERPOINT PARKWAY, PCC CENTRAL, MAIL CODE: 483-520-190		
City: PONTIAC	State: MI	ZIP Code: 48341
Phone: 248-753-5799	FAX: 248-753-5829	E-Mail Address: (If Available) cheryl.r.hiatt@gm.com
Ownership Status (check one): Governmental Agency: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local Non-Governmental: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Other: (Explain)		
Contact Person: KATIE KAMM		Company Name: (If Applicable) CONESTOGA-ROVERS & ASSOCIATES
Affiliation to Project Site Owner: OVERSIGHT ENGINEER		
Address: (if different from above) GM DRIVE & 4TH STREET		
City: BEDFORD	State: IN	ZIP Code: 47421
Phone: 812-277-8954	FAX: 812-277-8980	E-Mail Address: (If Available) kkamm@craworld.com

Project Information

Project Description: <input type="checkbox"/> Residential-Single Family <input type="checkbox"/> Residential-Multi-Family <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other: (Explain)		
Name of Receiving Water: BAILEY'S BRANCH CREEK (Note: If applicable, name of municipal operator of storm sewer and the ultimate receiving water. If a retention pond is present on the property, the name of the nearest possible receiving water receiving discharge must be provided).		
Project Acreage		
Total Acreage: 3	Proposed Land Disturbance: (in acres)	3
Total Impervious Surface Area: (in square feet, estimated for completed project)		0
Project Duration		
Estimated Start Date: DECEMBER 1, 2006	Estimated End Date for all Land Disturbing Activity: DECEMBER 1, 2008	

Construction Plan Certification

By signing this Notice of Intent letter, I certify the following:

- A. The storm water quality measures included in the Construction Plan comply with the requirements of 327 IAC 15-5-6.5, 327 IAC 15-5-7, and 327 IAC 15-5-7.5;
- B. the storm water pollution prevention plan complies with all applicable federal, state, and local storm water requirements;
- C. the measures required under 327 IAC 15-5-7 and 327 IAC 15-5-7.5 will be implemented in accordance with the storm water pollution prevention plan;
- D. if the projected land disturbance is One (1) acre or more, the applicable Soil and Water Conservation District or other entity designated by the Department, has been sent a copy of the Construction Plan for review;
- E. storm water quality measures beyond those specified in the storm water pollution prevention plan will be implemented during the life of the permit if necessary to comply with 327 IAC 15-5-7; and
- F. implementation of storm water quality measures will be inspected by trained individuals.

In addition to this form, I have enclosed the following required information:

- Verification by the reviewing agency of acceptance of the Construction Plan.
- Proof of publication in a newspaper of general circulation in the affected area that notified the public that a construction activity is to commence, including all required elements contained in 327 IAC 15-5-5 (9). The Proof of Publication **Must** include company name and address, project name, address/location of the project, and the receiving stream to which storm water will be discharged. Following is a sample Proof of Publication:

"XERT Development Inc. (10 Willow Lane, Indianapolis, Indiana 46206) is submitting a Notice of Intent to the Indiana Department of Environmental Management of our intent to comply with the requirements of 327 IAC 15-5 to discharge storm water from construction activities associated with Water Garden Estates located at 24 Washout Lane, Indianapolis, Indiana 46206. Runoff from the project site will discharge to the White River. Questions or comments regarding this project should be directed to Walter Water of XERT Development Inc."

- \$100 check or money order payable to the Indiana Department of Environmental Management. A permit fee is required for all NOI submittals (initial and renewal). A fee is not required for amendments.

Project Site Owner Responsibility Statement

By signing this Notice of Intent letter, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information or violating the provisions of 327 IAC 15-5, including the possibility of fine and imprisonment for knowing violations.

Printed Name of Project Owner: _____

Signature of Project Owner: _____ Date: _____

This Notice of Intent must be signed by an individual meeting the signatory requirements in 327 IAC 15-4-3(g). All NOI submittals must include an original signature (FAX and photo copies are not acceptable).

Note: Within 48 hours of the initiation of construction activity, the project site owner must notify the appropriate plan review agency and IDEM, Office of Water Quality of the actual project start date if it varies from the date provided above.

Note: A permit issued under 327 IAC 15-5 is granted by the commissioner for a period of five (5) years from the date coverage commences. Once the five (5) year permit term duration is reached, a general permit issued under this rule will be considered expired, and as necessary for construction activity continuation, a new Notice of Intent letter (Renewal) is required to be submitted ninety (90) days prior to the termination of coverage. The submittal must include the NOI Letter, Proof of Publication, Fee, and verification that the plan for the project was approved (original verification of plan approval is acceptable provided the scope of the project has not changed from the original submittal).

Mail this form to: **Indiana Department of Environmental Management
Cashiers Office - Mail Code 50-10C
100 North Senate Avenue
Indianapolis, IN 46204-2251**

327 IAC 15-5-6 (a) also requires a copy of the completed Notice of Intent letter be submitted to the local Soil and Water Conservation District or other entity designated by the Department, where the land disturbing activity is to occur.

Questions regarding the development or implementation of the Construction Plan/Storm Water Pollution Prevention Plan should be directed to the local county Soil and Water Conservation District (SWCD). If you are unable to reach the SWCD or have other questions please direct those inquiries to the IDEM Rule 5 Coordinator at 317/233-1864 or 800/451-6027 ext.3-1864.

For information and forms visit: <http://www.in.gov/idem/water/npdes/permits/wetwthr/storm/rule5.html>

APPENDIX B.2

IDEM RULE 5 EROSION CONTROL PLAN NOTICE OF SUFFICIENCY



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

February 8, 2007

65-42 PS/HK
Cheryl Hiatt
General Motors
2000 Centerpoint Pkwy, PPC Central, MC:483-520-190
Pontiac, MI 48341

Dear Ms Hiatt:

Re: Notice of Sufficiency
INR106251
Northern Tributary Interim (IM) Work Plan
Lawrence County

The Notice of Intent (NOI) letter submitted for the project referenced above has been reviewed by the Indiana Department of Environmental Management (IDEM) to determine compliance with the requirements of the NPDES general permit for storm water discharge associated with construction activity (327 IAC 15-5). The items contained in the NOI are sufficient and construction activity may commence 48 hours after notification to this office and the agency that completed the plan review.

An NPDES general permit identification number has been assigned to this project. This number and the above referenced project name should be included on any correspondence or amended NOI information submitted to IDEM pertaining to this project. The general permit number assigned to this project is: INR106251.

It is important that all activities associated with your site are in compliance with the requirements of 327 IAC 15-5 (Rule 5) and any local storm water permits. In accordance with 327 IAC 15-5-10, you are required to implement your construction plan, implement and maintain all storm water quality measures, and monitor the effectiveness of the storm water quality measures until the project is complete.

All Notices of Intent submitted for Rule 5 NPDES general permit coverage are automatically limited to a maximum term length of 5 years (327 IAC 15-5-12). The General Permit issued for the project referenced above will expire on 11/29/2011. If this project requires coverage beyond this date the applicant must reapply for a new permit 90 days prior to the expiration date.

Upon completion of the project, you are required to terminate the permit. Information for termination can be found in 327 IAC 15-5-8. To expedite this process, it is recommended that you first receive verification from the plan review entity prior to submittal of the Notice of Termination.

Any questions regarding this letter or the enclosed materials should be directed to the IDEM Rule 5 Coordinator at 317/233-1864 or 800/451-6027, ext. 3-1864.

Questions regarding the development or implementation of the Construction Plan/Storm Water Pollution Prevention Plan should be directed to the local county Soil and Water Conservation District (SWCD). If you are unable to reach the SWCD or have other questions please direct those inquiries to the IDEM Rule 5 Coordinator at 317/233-1864 or 800/451-6027 ext.3-1864.

For information and forms visit: <http://www.in.gov/idem/water/npdes/permits/wetwthr/storm/rule5.html>

Sincerely,

A handwritten signature in cursive script that reads "Randy J. Braun". The signature is written in black ink and is positioned above the typed name and title.

Randy J. Braun, CPESC
Storm Water Program Manager
Office of Water Quality

APPENDIX B.3

IDEM SECTION 401 WATER QUALITY CERTIFICATION LETTER



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

April 23, 2007

VIA CERTIFIED MAIL 7002 0510 0003 8210 1974

Ms. Cheryl Hiatt
General Motors Corporation
GM Remediation Team
PCC-Central, Mail Code 483-520-190
2000 Centerpoint Parkway
Pontiac, MI 48341-3147

Dear Mr. Hiatt:

Re: Section 401 Water Quality Certification
Project: Northern Tributary Remediation
IDEM No.: 2007-063-47-MTM-A
County: Lawrence

Office of Water Quality staff has reviewed your application for Section 401 Water Quality Certification dated January 26, 2007, and received February 8, 2007. According to the application, you propose to remove polychlorinated biphenyls (PCBs) contaminated sediment from Bailey's Creek and an adjacent wetland. The lengths of channel to be impacted are 200', 60', 80', 60', and 80'. The area of wetland to be impacted is 0.008 acre. The removal of the sediment will require removal of bank vegetation and construction of small gravel lined dewatering sumps within the channel. Clean fill will be used to restore the stream and wetland to preexisting grade. The project is part of the overall remediation work being done on Bailey's Branch and Pleasant Run by GM. The project is located in the Northeast ¼ of Section 11 of Township 5 North and Range 1 West in Lawrence County

Based on available information, it is the judgment of this office that the proposed project will comply with the applicable provisions of 327 IAC 2 and Sections 301, 302, 303, 306, and 307 of the Clean Water Act if the recipient of the certification complies with the conditions set forth below. Therefore, subject to the following conditions, the Indiana Department of Environmental Management (IDEM) hereby grants Section 401 Water Quality Certification for the project described in your application received February 8, 2007. Any changes in project design or scope not detailed in the application described above or modified by the conditions below are not authorized by this certification.

CONDITIONS OF THE SECTION 401 WATER QUALITY CERTIFICATION:

The recipient of the certification shall:

- 1) Take greater than 50 PPM PCB soil to the TSCA permitted landfill (vault) that was constructed on the GM Bedford Plant property with the approval of the US EPA and IDEM. The less than 50 PPM PCB soil shall also be taken to the GM Bedford Plant property, but placed under a regular composite landfill cap in the general landfill area, also constructed with the approval of US EPA and IDEM.
- 2) Install erosion control methods prior to any soil disturbance to prevent soil from leaving the construction site. Appropriate erosion control methods include, but are not limited to, straw bale barriers, silt fencing, erosion control blankets, phased construction sequencing, and earthen berms. Monitor and maintain erosion control structures and devices regularly, especially after rain events, until all soils disturbed by construction activities have been permanently stabilized.
- 3) Install silt fence or other erosion control measures around the perimeter of any wetlands and/or other waterbodies to remain undisturbed at the project site.
- 4) Allow the commissioner or an authorized representative of the commissioner (including an authorized contractor), upon the presentation of credentials:
 - a) to enter the property of the recipient of the certification;
 - b) to have access to and copy at reasonable times any records that must be kept under the conditions of this certification;
 - c) to inspect, at reasonable times, any monitoring or operational equipment or method; collection, treatment, pollution management or discharge facility or device; practices required by this certification; and any mitigation wetland site;
 - d) to sample or monitor any discharge of pollutants or any mitigation wetland site.
- 5) Complete all approved discharges no later than two (2) years of the date of issuance of this Section 401 Water Quality Certification. The applicant may request a one (1) year extension to the Section 401 Water Quality Certification by submitting a written request ninety (90) days prior to the deadline stated above. The written request shall contain an account of which discharges and mitigation have been completed and list the reasons an extension is requested.
- 6) Allow no construction equipment, temporary run-arounds, coffer dams, temporary causeways, temporary crossings, or other such structures to enter or be constructed within the streams, unless specifically stated, depicted, or detailed in the aforementioned correspondence and project plans. A modification of this Section 401 Water Quality Certification is required from this office if any of the aforementioned items are needed for project construction.
- 7) Remove any temporary causeway or other approved temporary structures used to facilitate construction or access upon completion of construction activities.

This certification does not relieve the recipient of the responsibility of obtaining any other permits or authorizations that may be required for this project or related activities from IDEM or any other agency or person. You may wish to contact the Indiana Department of Natural Resources at 317-232-4160 (toll free at 877-928-3755) concerning the possible requirement of natural freshwater lake or floodway permits. In addition, you may wish to contact IDEM's Stormwater Permits Section at 317-233-1864

concerning the possible need for a 327 IAC 15-5 (Rule 5) permit if you plan to disturb greater than one (1) acre of soil during construction.

This certification does not:

- (1) authorize impacts or activities outside the scope of this certification;
- (2) authorize any injury to persons or private property or invasion of other private rights, or any infringement of federal, state or local laws or regulations;
- (3) convey any property rights of any sort, or any exclusive privileges;
- (4) preempt any duty to obtain federal, state or local permits or authorizations required by law for the execution of the project or related activities; or
- (5) authorize changes in the plan design detailed in the application.

Failure to comply with the terms and conditions of this Section 401 Water Quality Certification may result in enforcement action against the recipient of the certification. If an enforcement action is pursued, the recipient of the certification could be assessed up to \$25,000 per day in civil penalties. The recipient of the certification may also be subject to criminal liability if it is determined that the Section 401 Water Quality Certification was violated willfully or negligently.

This certification is effective eighteen (18) days from the mailing of this notice unless a petition for review and a petition for stay of effectiveness are filed within this 18-day period. If a petition for review and a petition for stay of effectiveness are filed within this period, any part of the certification within the scope of the petition for stay is stayed for fifteen (15) days, unless or until an Environmental Law Judge further stays the certification in whole or in part.

This decision may be appealed in accordance with IC 4-21.5, the Administrative Orders and Procedures Act. The steps that must be followed to qualify for review are:

- 1) You must petition for review in writing that states facts demonstrating that you are either the person to whom this decision is directed, a person who is aggrieved or adversely affected by the decision, or a person entitled to review under any law.
- 2) You must file the petition for review with the Office of Environmental Adjudication (OEA) at the following address:

Office of Environmental Adjudication
100 North Senate Avenue
IGCN Room N1049
Indianapolis, IN 46204

- 3) You must file the petition within eighteen (18) days of the mailing date of this decision. If the eighteenth day falls on a Saturday, Sunday, legal holiday, or other day that the OEA offices are closed during regular business hours, you may file the petition the next day that the OEA offices are open during regular business hours. The petition is deemed filed on the earliest of the following dates: the date it is personally delivered to OEA; the date that the envelope containing the petition is postmarked if it is mailed by United States mail; or, the date it is shown to have been deposited with a private carrier on the private carrier's receipt, if sent by private carrier.

Identifying the certification, decision, or other order for which you seek review by number, name of the applicant, location, or date of this notice will expedite review of the petition.

Note that if a petition for review is granted pursuant to IC 4-21.5-3-7, the petitioner will, and any other person may, obtain notice of any prehearing conferences, preliminary hearings, hearings, stays, and any orders disposing of the proceedings by requesting copies of such notices from OEA.

If you have procedural questions regarding filing a petition for review you may contact the Office of Environmental Adjudication at 317-232-8591.

If you have any questions about this certification, please contact Mr. Marty Maupin, Project Manager, of my staff at 317-233-2471, or you may contact the Office of Water Quality through the IDEM Environmental Helpline (1-800-451-6027).

Sincerely,

A handwritten signature in black ink, appearing to read "Marylou Poppa Renshaw". The signature is fluid and cursive, with a large initial "M" and "R".

Marylou Poppa Renshaw, Chief
Watershed Planning Branch
Office of Water Quality

cc: Phyllis Hockett, Louisville District, USACE
Scott Pruitt, USFWS
Danny Gautier, Regional Env. Biologist, IDNR
Rob Wolfe, JF New & Associates, Inc.

APPENDIX B.4

U.S. ACE SECTION 404 CLEAN WATER ACT LETTER



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, LOUISVILLE
CORPS OF ENGINEERS
P.O. BOX 59
LOUISVILLE, KENTUCKY 40201-0059
FAX: (502) 315-6677
<http://www.lrl.usace.army.mil/>
May 2, 2007

Operations Division
Regulatory Branch (North)
ID No. LRL-2007-183-pmh

Ms. Cheryl Hiatt
General Motors Corporation
GM Remediation Team
PCC - Central, Mail Code 483-520-190
2000 Centerpoint Parkway
Pontiac, Michigan 48341-3147

Dear Ms. Hiatt:

This is in response to your request dated January 29, 2007, for a Department of the Army Permit to impact a stream and wetland to facilitate a polychlorinated biphenyls remediation project. The site is located in Section 11, Township 5 North, Range 1 West, Lawrence County, Indiana.

Under Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (CWA), the Louisville and Detroit Districts issued Regional General Permit (RGP) No. 1 on December 15, 2004, for certain activities having minimal impact in Indiana. We have verified that your proposed work shown on the enclosed plans and described below is authorized under the RGP. Therefore, you may proceed with the work subject to the enclosed general conditions, the Indiana Department of Environmental Management (IDEM) Section 401 Water Quality Certification (WQC) dated April 23, 2007, and any noted special conditions. Please note that IDEM must be notified as a condition of the WQC.

The following work is authorized:

Impact 480 linear feet of an ephemeral stream and 0.008 acre of an adjacent wetland.

Special Conditions:

None

Any new construction activity other than that shown on the attached plans may not qualify for the RGP. If your plans change or if additional activities are proposed, please submit revised plans to this office for review prior to construction.

Enclosed is a "Notice of Authorization" to be displayed at the construction site in a conspicuous place. Upon completion of the work authorized by this RGP, the enclosed Completion Report form must be completed and returned to this office. This authorization is valid until **December 15, 2009**.

A copy of this letter will be sent to the Indiana Department of Environmental Management (see enclosure for address).

If you have any questions concerning this matter, please contact this office at the above address, ATTN: CELRL-OP-FN or call me at 502-315-6683. Any correspondence on this matter should refer to our ID Number LRL-2007-183-pmh.

Sincerely,



Phyllis Hockett, LPG, CHMM
Project Manager
Regulatory Branch

Enclosures

GENERAL CONDITIONS:

1. *Minimization/Avoidance:* Discharges of dredged or fill material into waters of the United States must be minimized or avoided to the maximum extent practicable at the project site (i.e. on-site). In determining the minimal impact threshold, the Districts will consider the direct and secondary impacts of the fill or work and any mitigation measures. A wetland delineation report is also required.
2. *Mitigation:* The permittee shall provide a mitigation/monitoring plan for any activity where the adverse impact on special aquatic sites exceeds 0.10 acre (4,356 sq. ft.) or is determined to be more than minimal impact. The permittee shall also provide a mitigation/monitoring plan for any channelization, encapsulation, or relocation of greater than 300 linear feet of intermittent or perennial stream. All mitigation plans should include a minimum 50-foot wide buffer between the edge of the project site and the waters and/or wetlands to be affected unless a lesser distance has been specifically approved under the RGP. If mitigation is required, the permittee shall develop the mitigation site concurrently with site construction.
3. *Soil Erosion and Sedimentation Controls:* The permittee shall install sedimentation and soil erosion control measures prior to any construction activity, and maintain them in effective operating condition during construction. This shall include the installation of straw bale barriers, silt fencing and/or other approved methods to control sedimentation and erosion. The permittee shall immediately stabilize areas disturbed by any construction activity, including channel banks, and revegetated with a combination of grasses, legumes and shrubs compatible to the affected area.
4. *Management of Water Flows:* In-stream work during periods of high flows should be avoided. The activity must be designed to maintain preconstruction flow conditions to the maximum extent practicable. The activity must not permanently restrict or impede the passage of high flows (unless the primary purpose of the fill is to impound waters). The activity must, to the maximum extent practicable, reduce adverse effects such as flooding or erosion downstream and upstream of the project site.
5. *Waterfowl Breeding Areas:* The discharge of dredged and/or fill material in known waterfowl breeding areas must be avoided to the maximum extent practicable.
6. *Aquatic Life:* The permittee shall not perform in-stream construction activity during the fish-spawning season between April 1 through June 30 without prior approval from the Districts. The Districts will coordinate with the Indiana Department of Natural Resources for their expertise on impacts to the fishery resource. The permittee will ensure that the activity authorized will not disrupt movement of those aquatic species indigenous to the waterbody, including those species which normally migrate through the area unless the activity's specific purpose is to impound water.
7. *Equipment:* All construction equipment shall be refueled and maintained on an upland site away from existing streams, drainageways and wetland areas. Heavy equipment working in wetlands must be placed on mats, or other measures taken to minimize soil disturbance.
8. *Water Quality:* The permittee must provide a copy of the site specific State Section 401 WQC before the Corps will authorize a project under the RGP.
9. *Case-by-case conditions:* The permittee must comply with any case specific special conditions added by the Corps or by the State Section 401 WQC. The conditions imposed in the State Section 401 WQC are also conditions of this RGP.
10. *Navigation:* The permittee shall assure that no activity authorized by the RGP may cause more than a minimal adverse effect on navigation.
11. *Maintenance:* Any structure or fill authorized by this RGP shall be properly maintained, including maintenance to ensure public safety.
12. *Wild and Scenic Rivers:* The permittee shall not perform any work within any Wild and Scenic Rivers or in any river officially designated as a "study river" for possible inclusion in the system, unless the appropriate Federal agency, with direct management responsibility for such river, has determined in writing that the proposed activity authorized by the RGP will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal Land Management agency in the area (e.g. U.S. Forest Service, Bureau of Land Management or the U.S. Fish and Wildlife Service).

13. *Endangered Species:* The permittee shall not perform any work under the RGP which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act, or which is likely to destroy or adversely modify the critical habitat of such species. The permittee shall notify the District Engineer if any listed species or critical habitat might be affected or is in the vicinity of the project, and shall not begin work under the RGP until notified by the District Engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. Authorization of an activity under the RGP does not authorize the "take" of a threatened or endangered species as defined under the Federal Endangered Species Act. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the U.S. Fish and Wildlife Service or the National Marine Fisheries Service, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act.

14. *Historic Properties:* The permittee shall not perform any activity under the RGP which may affect historic properties listed, or eligible for listing, in the National Register of Historic Places until the District Engineer has complied with the provisions of 33 CFR Part 325, Appendix C. The permittee must notify the District Engineer if the activity authorized by the RGP may affect any historic properties listed, determined to be eligible or which the permittee has reason to believe may be eligible for listing on the National Register of Historic Places, and shall not begin construction until notified by the District Engineer that the requirements of the National Historic Preservation Act have been satisfied and that the activity is authorized. Information on the location and existence of historic resources can be obtained from the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology.

If the permittee discovers any previously unknown historic or archaeological remains while accomplishing the activity authorized by the RGP, work must be immediately stopped and this office immediately notified of what you have found. The District will initiate the Federal, tribal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

15. *Water Supply Intakes:* The permittee shall not perform any work under the RGP where the discharge of dredged and/or fill material would occur in the proximity of a public water supply intake except where the activity is for the repair of the public water supply structure or adjacent bank stabilization.

16. *Suitable Materials:* No activity, including structures and work in waters of the United States or discharges of dredged or fill material may consist of unsuitable materials (e.g. trash, debris, car bodies, asphalt, etc.) and that materials used for construction or discharge must be free from toxic pollutants in toxic amounts.

17. *Impoundments:* The permittee shall ensure that if the activity approved by the RGP includes impoundment of water, measures will be taken to minimize adverse effects on the aquatic ecosystem caused by the accelerated passage of water and/or the restriction of flow.

18. *Removal of Temporary Fills:* The permittee shall ensure that all temporary fills, authorized under the RGP, be removed in their entirety and the affected areas returned to pre-construction elevation.

19. *Access:* Representatives from the Corps of Engineers and/or IDEM may inspect any authorized activity or mitigation site at any time deemed necessary to ensure compliance with the terms and conditions of the RGP, Section 401 WQC, and applicable laws.

20. *Construction Period:* All work authorized by this RGP must be completed by the expiration date of this RGP or 1 year after the date of the Corps authorization letter, whichever occurs later. If you find you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 3 months before the expiration date.

21. *Reporting:* The permittee after completion of work under the RGP shall submit a signed certification letter regarding the completed work and required mitigation, if applicable. The certification letter will include a statement that the work was done in accordance with the RGP authorization including compliance with all general and special conditions and completion of mitigation work.



APR 26 2007

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

April 23, 2007

VIA CERTIFIED MAIL 7002 0510 0003 8210 1974

Ms. Cheryl Hiatt
General Motors Corporation
GM Remediation Team
PCC-Central, Mail Code 483-520-190
2000 Centerpoint Parkway
Pontiac, MI 48341-3147

2007-183

Dear Mr. Hiatt:

Re: Section 401 Water Quality Certification
Project: Northern Tributary Remediation
IDEM No.: 2007-063-47-MTM-A
County: Lawrence

Office of Water Quality staff has reviewed your application for Section 401 Water Quality Certification dated January 26, 2007, and received February 8, 2007. According to the application, you propose to remove polychlorinated biphenyls (PCBs) contaminated sediment from Bailey's Creek and an adjacent wetland. The lengths of channel to be impacted are 200', 60', 80', 60', and 80'. The area of wetland to be impacted is 0.008 acre. The removal of the sediment will require removal of bank vegetation and construction of small gravel lined dewatering sumps within the channel. Clean fill will be used to restore the stream and wetland to preexisting grade. The project is part of the overall remediation work being done on Bailey's Branch and Pleasant Run by GM. The project is located in the Northeast ¼ of Section 11 of Township 5 North and Range 1 West in Lawrence County

Based on available information, it is the judgment of this office that the proposed project will comply with the applicable provisions of 327 IAC 2 and Sections 301, 302, 303, 306, and 307 of the Clean Water Act if the recipient of the certification complies with the conditions set forth below. Therefore, subject to the following conditions, the Indiana Department of Environmental Management (IDEM) hereby grants Section 401 Water Quality Certification for the project described in your application received February 8, 2007. Any changes in project design or scope not detailed in the application described above or modified by the conditions below are not authorized by this certification.

CONDITIONS OF THE SECTION 401 WATER QUALITY CERTIFICATION:

The recipient of the certification shall:

- 1) Take greater than 50 PPM PCB soil to the TSCA permitted landfill (vault) that was constructed on the GM Bedford Plant property with the approval of the US EPA and IDEM. The less than 50 PPM PCB soil shall also be taken to the GM Bedford Plant property, but placed under a regular composite landfill cap in the general landfill area, also constructed with the approval of US EPA and IDEM.
- 2) Install erosion control methods prior to any soil disturbance to prevent soil from leaving the construction site. Appropriate erosion control methods include, but are not limited to, straw bale barriers, silt fencing, erosion control blankets, phased construction sequencing, and earthen berms. Monitor and maintain erosion control structures and devices regularly, especially after rain events, until all soils disturbed by construction activities have been permanently stabilized.
- 3) Install silt fence or other erosion control measures around the perimeter of any wetlands and/or other waterbodies to remain undisturbed at the project site.
- 4) Allow the commissioner or an authorized representative of the commissioner (including an authorized contractor), upon the presentation of credentials:
 - a) to enter the property of the recipient of the certification;
 - b) to have access to and copy at reasonable times any records that must be kept under the conditions of this certification;
 - c) to inspect, at reasonable times, any monitoring or operational equipment or method; collection, treatment, pollution management or discharge facility or device; practices required by this certification; and any mitigation wetland site;
 - d) to sample or monitor any discharge of pollutants or any mitigation wetland site.
- 5) Complete all approved discharges no later than two (2) years of the date of issuance of this Section 401 Water Quality Certification. The applicant may request a one (1) year extension to the Section 401 Water Quality Certification by submitting a written request ninety (90) days prior to the deadline stated above. The written request shall contain an account of which discharges and mitigation have been completed and list the reasons an extension is requested.
- 6) Allow no construction equipment, temporary run-arounds, coffer dams, temporary causeways, temporary crossings, or other such structures to enter or be constructed within the streams, unless specifically stated, depicted, or detailed in the aforementioned correspondence and project plans. A modification of this Section 401 Water Quality Certification is required from this office if any of the aforementioned items are needed for project construction.
- 7) Remove any temporary causeway or other approved temporary structures used to facilitate construction or access upon completion of construction activities.

This certification does not relieve the recipient of the responsibility of obtaining any other permits or authorizations that may be required for this project or related activities from IDEM or any other agency or person. You may wish to contact the Indiana Department of Natural Resources at 317-232-4160 (toll free at 877-928-3755) concerning the possible requirement of natural freshwater lake or floodway permits. In addition, you may wish to contact IDEM's Stormwater Permits Section at 317-233-1864

concerning the possible need for a 327 IAC 15-5 (Rule 5) permit if you plan to disturb greater than one (1) acre of soil during construction.

This certification does not:

- (1) authorize impacts or activities outside the scope of this certification;
- (2) authorize any injury to persons or private property or invasion of other private rights, or any infringement of federal, state or local laws or regulations;
- (3) convey any property rights of any sort, or any exclusive privileges;
- (4) preempt any duty to obtain federal, state or local permits or authorizations required by law for the execution of the project or related activities; or
- (5) authorize changes in the plan design detailed in the application.

Failure to comply with the terms and conditions of this Section 401 Water Quality Certification may result in enforcement action against the recipient of the certification. If an enforcement action is pursued, the recipient of the certification could be assessed up to \$25,000 per day in civil penalties. The recipient of the certification may also be subject to criminal liability if it is determined that the Section 401 Water Quality Certification was violated willfully or negligently.

This certification is effective eighteen (18) days from the mailing of this notice unless a petition for review and a petition for stay of effectiveness are filed within this 18-day period. If a petition for review and a petition for stay of effectiveness are filed within this period, any part of the certification within the scope of the petition for stay is stayed for fifteen (15) days, unless or until an Environmental Law Judge further stays the certification in whole or in part.

This decision may be appealed in accordance with IC 4-21.5, the Administrative Orders and Procedures Act. The steps that must be followed to qualify for review are:

- 1) You must petition for review in writing that states facts demonstrating that you are either the person to whom this decision is directed, a person who is aggrieved or adversely affected by the decision, or a person entitled to review under any law.
- 2) You must file the petition for review with the Office of Environmental Adjudication (OEA) at the following address:

Office of Environmental Adjudication
100 North Senate Avenue
IGCN Room N1049
Indianapolis, IN 46204

- 3) You must file the petition within eighteen (18) days of the mailing date of this decision. If the eighteenth day falls on a Saturday, Sunday, legal holiday, or other day that the OEA offices are closed during regular business hours, you may file the petition the next day that the OEA offices are open during regular business hours. The petition is deemed filed on the earliest of the following dates: the date it is personally delivered to OEA; the date that the envelope containing the petition is postmarked if it is mailed by United States mail; or, the date it is shown to have been deposited with a private carrier on the private carrier's receipt, if sent by private carrier.

Identifying the certification, decision, or other order for which you seek review by number, name of the applicant, location, or date of this notice will expedite review of the petition.

Note that if a petition for review is granted pursuant to IC 4-21.5-3-7, the petitioner will, and any other person may, obtain notice of any prehearing conferences, preliminary hearings, hearings, stays, and any orders disposing of the proceedings by requesting copies of such notices from OEA.

If you have procedural questions regarding filing a petition for review you may contact the Office of Environmental Adjudication at 317-232-8591.

If you have any questions about this certification, please contact Mr. Marty Maupin, Project Manager, of my staff at 317-233-2471, or you may contact the Office of Water Quality through the IDEM Environmental Helpline (1-800-451-6027).

Sincerely,



Marylou Poppa Renshaw, Chief
Watershed Planning Branch
Office of Water Quality

cc: Phyllis Hockett, Louisville District, USACE
Scott Pruitt, USFWS
Danny Gautier, Regional Env. Biologist, IDNR
Rob Wolfe, JF New & Associates, Inc.

Compliance Certification:

Permit Number: LRL-2007-183-pmh

Name of Permittee: General Motors Corporation

Date of Issuance: May 2, 2007

Upon completion of the activity authorized by this permit and any mitigation required by this permit, sign this certification and return it to the following address:

U.S. Army Corps of Engineers
CELRL-OP-FN
P.O. Box 59
Louisville, Kentucky 40201

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

ADDRESS FOR COPY

Mr. Jason Randolph
IDEM-OWQ
Section 401 WQC Program
100 North Senate Avenue
Indianapolis, Indiana 46204

ADDRESS FOR COPY

Mr. Robert Wolfe
JF New & Associates, Inc.
708 Roosevelt Road
Walkerton, Indiana 46574

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTS
(INVESTIGATIVE AND VERIFICATION SAMPLES)

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STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Tel: 330 497 9396
Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 13968

GMPT-BEDFORD

Lot #: A2D090103

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Amy L. McCormick".

Amy L. McCormick
Project Manager

April 23, 2002



CASE NARRATIVE

CASE NARRATIVE

A2D090103

The following report contains the analytical results for one water sample and five solid samples submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT - Bedford Site, project number 13968. The samples were received April 9, 2002, according to documented sample acceptance procedures.

The sample(s) presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the rear of the report. Preliminary results were provided to the Chemistry Department on April 18, 2002.

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Samples S-00-040802-GS-1627, S-00-040802-GS-1628, S-00-040802-GS-1629 and S-00-040802-GS-1631 contained degraded and/or possible mixtures of aroclors. The best pattern match was used in identification and quantitation.

STL utilizes USEPA approved methods in all analytical work. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.



Amy McCormick
Project Manager

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals</u>
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*
- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, PAH, and Herbicide methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.



STL North Canton Certifications and Approvals:

Alabama (#41170), California (#2157), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Kentucky (#90021), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), Missouri (#6090), New Jersey (#74001), New York (#10975), North Dakota (#R-156), Ohio (#6090), OhioVAP (#CL0024), Pennsylvania (#68-340), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

Y:\HerrenD\narrative\QCinsSW846.doc, Revised: 07/24/01



METHOD REFERENCE

ANALYTICAL METHODS SUMMARY

A2D090103

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Dissolved PCBs	SW846 8082
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.



SAMPLE SUMMARY

SAMPLE SUMMARY

A2D090103

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
EXKKC	001	S-00-040802-GS-1626	04/08/02	14:13
EXKKH	002	S-00-040802-GS-1627	04/08/02	14:14
EXKKK	003	S-00-040802-GS-1628	04/08/02	14:15
EXKKL	004	S-00-040802-GS-1629	04/08/02	14:17
EXKKM	005	SW-00-040802-GS-1630	04/08/02	14:18
EXKKN	006	SW-00-040802-GS-1630DISS	04/08/02	14:18
EXKKQ	007	SD-00-040802-GS-1631	04/08/02	14:20

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



SHIPPING AND RECEIVING DOCUMENTS

CRA

CONESTOGA-ROVERS & ASSOCIATES
 8615 W. Bryn Mawr Avenue
 Chicago, Illinois 60631 (773)380-9933

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name):

STL - NORTH CANTON, NORTH CANTON, OHIO

COULE R: K444

REFERENCE NUMBER:

13968

PROJECT NAME:

GMP- BEDFORD

SAMPLER'S SIGNATURE: *George Seng* PRINTED NAME: GEORGE SENG

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	NO. OF CONTAINERS	PARAMETERS			REMARKS
						PCBs	Dis PCBs	TOTAL PCBs	
	04/08/02	14:13	S-00-040802-GS-1626	Soil	1	X			
		14:14	S-00-040802-GS-1627	Soil	1	X			
		14:15	S-00-040802-GS-1628	Soil	1	X			
		14:17	S-00-040802-GS-1629	Soil	1	X			
		14:18	SW-00-040802-GS-1630	WATER	4	X	X		
		14:20	SD-00-040802-GS-1631	Soil	3	X			

TOTAL NUMBER OF CONTAINERS 11

RELINQUISHED BY: *George Seng*

DATE: 04/08/02
 TIME: 18:00

RECEIVED BY: _____
 DATE: _____
 TIME: _____

RELINQUISHED BY: _____

DATE: _____
 TIME: _____

RECEIVED BY: _____
 DATE: _____
 TIME: _____

RELINQUISHED BY: _____

DATE: _____
 TIME: _____

RECEIVED BY: _____
 DATE: _____
 TIME: _____

METHOD OF SHIPMENT: COURIER

AIR BILL No.

- White - Fully Executed Copy
- Yellow - Receiving Laboratory Copy
- Pink - Shipper Copy
- Goldenrod - Sampler Copy

SAMPLE TEAM: SENG, MEOU

RECEIVED FOR LABORATORY BY: _____

WEINBERGER

DATE: 4-9-02 TIME: 0740

07470

**Severn Trent Laboratories, Inc.
Sample Control Record**

RSR280
 Client: 57787
 Lot #: A2D090103
 Case Number/SDG: 13968
 Storage Location: W15

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
EXKXC	SANDERSA	4/09/02	Yes		Storage	
EXKXH	SANDERSA	4/09/02	Yes		Storage	
EXKXK	SANDERSA	4/09/02	Yes		Storage	
EXKXL	SANDERSA	4/09/02	Yes		Storage	
EXKXM	SANDERSA	4/09/02	Yes		Storage	
EXKXN	SANDERSA	4/09/02	Yes		Storage	
EXKXQ	SANDERSA	4/09/02	Yes		Storage	

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: _____ Project: _____ Quote#: _____
 Cooler Received on: 4-9-02 Opened on: 4-9-02 by: Anne Sanders
 (Signature)

Fedx Client Drop Off UPS Airborne
 Other: Carter
 Cooler Safe Foam Box Client Cooler Other: _____

STL Shipper No#: See Back

1. Were custody seals on the outside of the cooler and intact? Yes No
 If YES, Quantity 4 Location sealed
 Were the custody seals signed and dated? Yes No NA
2. Shipper's packing slip attached to this form? Yes No
3. Were custody papers included inside the cooler and relinquished? Yes No
4. Did you sign the custody papers in the appropriate place? Yes No

5. Packing material used:
 Peanuts Bubble Wrap Vermiculite Foam None Other: _____

6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temperature Vial Between Coolant & Sample Container Against Bottles

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Were all the bottles sealed in separate plastic bags? Yes No
8. Did all bottles arrive in good condition (Unbroken)? Yes No
9. Did all bottle labels and tags agree with the custody papers? AMS 4/9/02 Yes No
10. Were samples at the correct pH? Yes No NA
11. Were correct bottles used for the tests indicated? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a sufficient amount of sample sent in each bottle? Yes No

Contacted PM ALM Date: 4-9-02 by: AMS via Voice Mail Verbal Other

Concerning: SR1B - other

MACRO | MACRO

1. CHAIN OF CUSTODY

SR1A	Samples were received under proper custody procedures and without discrepancies.
<input checked="" type="checkbox"/> SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred <u>Sent volume for ms/msd for sample 05-1631 - did not mark it on the COC - will log for ms/msd per ALM 4-9-02 AMS</u>

2. SAMPLE CONDITION

SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
SR2B	Sample(s) _____ were received with insufficient volume
SR2C	Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). <small>Nitric Acid Lot # 120701-HNO3; Sulfuric Acid Lot # 112801-H2SO4; Sodium Hydroxide Lot # 102401-NaOH; Hydrochloric Acid Lot # 041400-HCl; Sodium Hydroxide and Zinc Acetate Lot # 030801-CH3COO2Zn/NaOH</small>
SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. NCM

SR4A	NCM has been generated. Refer to Clouseau for details
------	---

5. Other Anomalies (see below or back)

NO sig per ALM 4-9-02 AMS -



POLYCHLORINATED BIPHENYLS DATA



QC SUMMARY DATA

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090103

Extraction: XXA71QH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	S-00-040802-GS-1626	70	75	00
02	S-00-040802-GS-1627	73	62	00
03	S-00-040802-GS-1628	0.0D	0.0D	02
04	S-00-040802-GS-1629	95	105	00
05	SD-00-040802-GS-1631	63	59	00
06	INTRA-LAB QC	0.0D	0.0D	02
07	INTRA-LAB QC	77	102	00
08	METHOD BLK. EXL981AA	92	114	00
09	METHOD BLK. EXMAG1AA	81	95	00
10	LCS EXL981AC	85	104	00
11	LCS EXMAG1AC	72	76	00
12	SD-00-040802-GS-1631 D	85	87	00
13	LAB MS/MSD D	0.0D	0.0D	02
14	LAB MS/MSD D	100	122	00
15	SD-00-040802-GS-1631 S	64	68	00
16	LAB MS/MSD S	0.0D	0.0D	02
17	LAB MS/MSD S	89	110	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(31-127)

(23-141)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090103

Extraction: XXIB8QH72

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	SW-00-040802-GS-1630DISS	82	76	00
02	METHOD BLK. EXMKM1AA	84	86	00
03	LCS EXMKM1AC	92	34	00
04	LCSD EXMKM1AD	78	53	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090103

Extraction: XXI61QH72

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	SW-00-040802-GS-1630	91	87	00
02	METHOD BLK. EXMKN1AA	96	90	00
03	LCS EXMKN1AC	95	32	00
04	LCSD EXMKN1AD	97	49	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090000

WO #: EXL981AC

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1260	330	350	105	51 - 127	
Aroclor 1016	330	290	87	49 - 122	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090000

WO #: EXMAG1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	240	73	49 - 122	
Aroclor 1260	330	250	75	51 - 127	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKM1AC

BATCH: 2100102

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dissolved Aroclor-1016	10	10	101	61 - 118	
Dissolved Aroclor 1260	10	9.7	97	61 - 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKM1AD

BATCH: 2100102

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dissolved Aroclor-1016	10	9.4	94	61 - 118	
Dissolved Aroclor 1260	10	11	109	61 - 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKN1AC

BATCH: 2100103

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	9.9	99	61 - 118	
Aroclor 1260	10	9.2	92	61 - 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKN1AD

BATCH: 2100103

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	10	102	61 - 118	
Aroclor 1260	10	10	103	61 - 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: SD-00-040802-GS-1631

Lot #: A2D090103

WO #: EXKKQ1AD

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	520	ND	700	134	26 - 144	
Aroclor 1260	520	89	500	80	37 - 138	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: SD-00-040802-GS-1631

Lot #: A2D090103

WO #: EXKKQ1AE

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Aroclor 1016	520	770	148*	9.8	39	26 - 144	a
Aroclor 1260	520	560	90	9.9	33	37 - 138	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.
Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090104

WO #: EXKKW1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	600	ND	1500	252*	26 - 144	DIL a
Aroclor 1260	600	580	1000	75	37 - 138	DIL

NOTES (S) :

DIL. The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090104

WO #: EXKKW1AD

BATCH: 2099546

COMPOUND	SPIKE	MSD	MSD	QC LIMITS		QUAL	
	ADDED (ug/kg)	CONCENT. (ug/kg)	% REC	% RPD	RPD REC		
Aroclor 1016	600	1800	294*	15	39	26 - 144	DIL a
Aroclor 1260	600	1200	105	16	33	37 - 138	DIL

NOTES (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090105

WO #: EXKLN1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	410	ND	380	93	26 - 144	
Aroclor 1260	410	ND	470	114	37 - 138	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090105

WO #: EXKLN1AD

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Aroclor 1016	410	450	110	16	39	26- 144	
Aroclor 1260	410	610	149*	26	33	37- 138	a

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 2 outside limits
 Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXL981AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

Lab File ID: 007B0701.

Matrix: SOLID

Date Analyzed(1): 04/14/02

Time Analyzed(1): 12:57

Instrument ID(1): P4

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

SDG Number:

Lot Number: A2D090103

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(2): N/A

Time Analyzed(2): N/A

Instrument ID(2): N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	S-00-040802-GS-1626	EXKKC1AA	04/16/02	N/A
02	S-00-040802-GS-1627	EXKKH1AA	04/16/02	N/A
03	SD-00-040802-GS-1631	EXKKQ1AA	04/16/02	N/A
04	SD-00-040802-GS-1631	EXKKQ1AD S	04/16/02	N/A
05	SD-00-040802-GS-1631	EXKKQ1AE D	04/16/02	N/A
06	CHECK SAMPLE	EXL981AC C	04/14/02	N/A
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMAG1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

Lab File ID: 044B4401.

Matrix: SOLID

Date Analyzed(1): 04/16/02

Time Analyzed(1): 02:28

Instrument ID(1): P4

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

SDG Number:

Lot Number: A2D090103

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(2): N/A

Time Analyzed(2): N/A

Instrument ID(2): N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 S-00-040802-GS-1628	EXKKK1AA	04/16/02	N/A
02 S-00-040802-GS-1629	EXKKL1AA	04/16/02	N/A
03 INTRA-LAB QC	EXKKW1AA	04/16/02	N/A
04 LAB MS/MSD	EXKKW1AC S	04/16/02	N/A
05 LAB MS/MSD	EXKKW1AD D	04/16/02	N/A
06 INTRA-LAB QC	EXKLN1AA	04/16/02	N/A
07 LAB MS/MSD	EXKLN1AC S	04/16/02	N/A
08 LAB MS/MSD	EXKLN1AD D	04/16/02	N/A
09 CHECK SAMPLE	EXMAG1AC C	04/16/02	N/A
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMKM1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

Lab File ID: 095B9501.

Matrix: WATER

Date Analyzed(1): 04/13/02

Time Analyzed(1): 16:00

Instrument ID(1): P4

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

SDG Number:

Lot Number: A2D090103

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(2): N/A

Time Analyzed(2): N/A

Instrument ID(2): N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 SW-00-040802-GS-1630DISS	EXKKN1AA	04/13/02	N/A
02 CHECK SAMPLE	EXMKM1AC C	04/13/02	N/A
03 DUPLICATE CHECK	EXMKM1AD L	04/13/02	N/A
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMKN1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: 052B5201.

Lot Number: A2D090103

Matrix: WATER

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(1): 04/12/02

Date Analyzed(2): N/A

Time Analyzed(1): 07:01

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	SW-00-040802-GS-1630	EXKKM1AA	04/15/02	N/A
02	CHECK SAMPLE	EXMKN1AC C	04/12/02	N/A
03	DUPLICATE CHECK	EXMKN1AD L	04/12/02	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1626

GC Semivolatiles

Lot-Sample #...: A2D090103-001 Work Order #...: EXKKC1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:13 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30.17 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 30 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aroclor 1016	ND	47	ug/kg	7.6
Aroclor 1221	ND	47	ug/kg	27
Aroclor 1232	ND	47	ug/kg	16
Aroclor 1242	ND	47	ug/kg	26
Aroclor 1248	ND	47	ug/kg	6.6
Aroclor 1254	ND	47	ug/kg	29
Aroclor 1260	ND	47	ug/kg	11

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	70	(31 - 127)
Decachlorobiphenyl	75	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\022B2201.D
 Report Date: 17-Apr-2002 08:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\022B2201.D
 Lab Smp Id: EXKKC1AA Client Smp ID: S-00-040802-GS-1626
 Inj Date : 16-APR-2002 20:41
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKC1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.170	initial volume

ND

		CONCENTRATIONS					
		ON-COL	FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
\$ 1	TCMX					CAS #: 877-09-8	
2.028	2.027	(0.001)		1769954	0.01398	4.633	

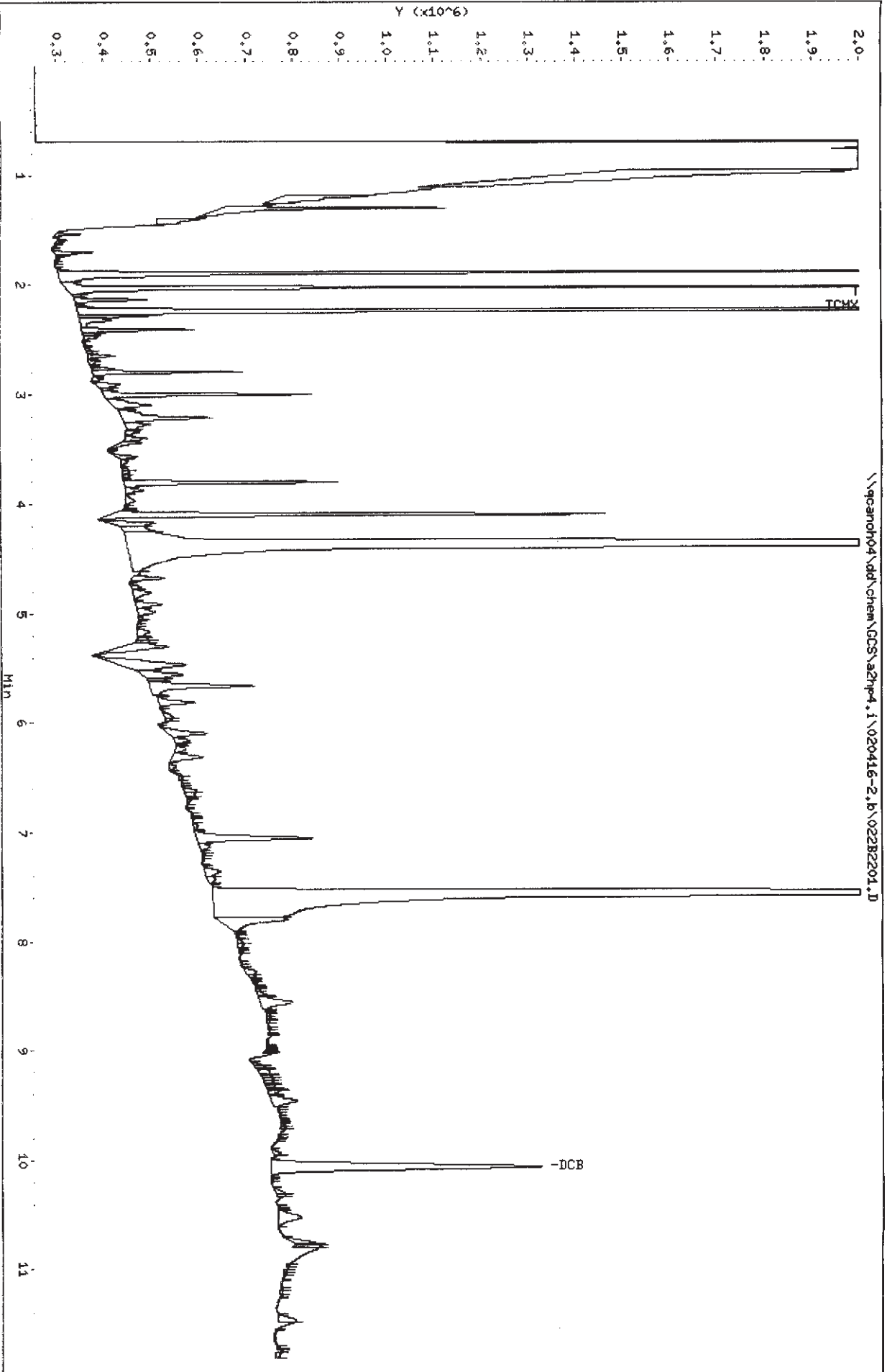
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5						
AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6						
AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						
7						
AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						
8						
AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						
10						
AROCLOR-1262			CAS #:			
Operator disabled compound identification.						
12						
AROCLOR-1268			CAS #:			
Operator disabled compound identification.						
\$ 9						
DCB			CAS #: 2051-24-3			
10.057	10.055	(0.002)	575176	0.01491	4.940	

Data File: \\qcanoh04\add\chem\GCS\azhp4.i\020416-2.b\022B2201.D
Date: 16-APR-2002 20:41
Client ID: S-00-040802-GS-1626
Sample Info: EKKK1A9
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1627

GC Semivolatiles

Lot-Sample #...: A2D090103-002 Work Order #...: EXKKH1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:14 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30.06 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 37 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aroclor 1016	ND	52	ug/kg	8.4
Aroclor 1221	ND	52	ug/kg	30
Aroclor 1232	ND	52	ug/kg	17
Aroclor 1242	ND	52	ug/kg	29
Aroclor 1248	370	52	ug/kg	7.3
Aroclor 1254	ND	52	ug/kg	32
Aroclor 1260	88	52	ug/kg	12

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	73	(31 - 127)
Decachlorobiphenyl	62	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\025B2501.D
 Report Date: 17-Apr-2002 10:12

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\025B2501.D
 Lab Smp Id: EXKKH1AA Client Smp ID: S-00-040802-GS-1627
 Inj Date : 16-APR-2002 21:31
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKH1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.060	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
2.027	2.027	(0.000)	1848959	0.01460		4.858

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

		CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----		-----
4 AROCLOR-1232			CAS #: 11141-16-5						
Compound Not Detected									
5 AROCLOR-1242			CAS #: 53469-21-9						
Compound Not Detected									
6 AROCLOR-1248			CAS #: 12672-29-6						
2.727	2.725	(0.002)	323854	0.25710	85.53	75.00- 125.00	100.00 (M)		
3.678	3.678	(0.000)	1456048	0.52292	174.0	168.62- 281.03	449.60		
4.104	4.106	(-0.002)	1869734	0.67735	225.3	150.41- 250.69	577.34		
4.442	4.443	(-0.001)	2799196	1.12004	372.6	132.50- 220.83	864.34		
4.987	4.987	(0.000)	1343241	0.97115	323.1	75.95- 126.59	414.77		
Average of Peak Concentrations =					236.1				
7 AROCLOR-1254			CAS #: 11097-69-1						
3.401	3.398	(0.003)	1301777	0.67317	223.9	75.00- 125.00	100.00 (M)		
4.365	4.383	(-0.018)	1283844	0.38354	127.6	112.74- 187.89	98.62		
4.987	4.986	(0.001)	1343241	0.98784	95.75	162.87- 271.46	103.19		
5.301	5.301	(0.000)	1169534	0.39089	130.0	99.01- 161.68	89.84		
6.094	6.094	(0.000)	731128	0.23724	78.92	103.61- 172.63	56.16		
Average of Peak Concentrations =					131.2				
8 AROCLOR-1260			CAS #: 11096-82-5						
5.253	5.253	(0.000)	556408	0.18686	62.16	75.00- 125.00	100.00 (M)		
6.094	6.093	(0.001)	731128	0.22895	76.16	80.61- 134.35	131.40		
6.705	6.705	(0.000)	283481	0.12866	42.80	55.16- 91.93	50.95		
7.127	7.127	(0.000)	675854	0.14056	46.76	123.64- 206.06	121.47		
7.754	7.754	(0.000)	400709	0.14875	49.48	69.47- 115.79	72.02		
Average of Peak Concentrations =					55.47				
10 AROCLOR-1262			CAS #:						
Peaks not detected for Quant. or Qual. signal(s).									
12 AROCLOR-1268			CAS #:						
Peaks not detected for Quant. or Qual. signal(s).									
9 DCB			CAS #: 2051-24-3						
10.056	10.055	(0.001)	482201	0.01250	4.157				(R)

MM 4/17/02
 no
 pattern
 match

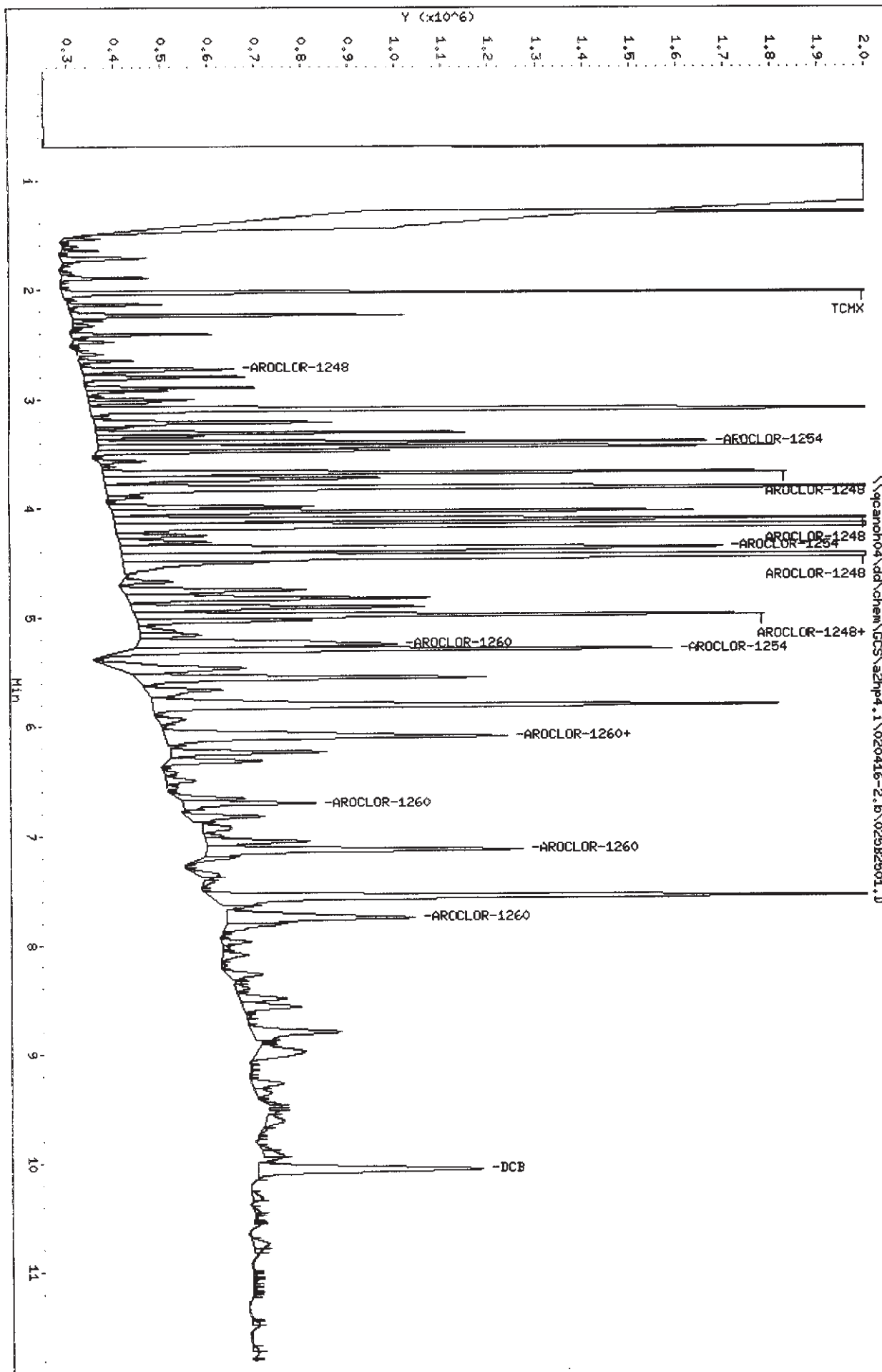
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\025B2501.D
Report Date: 17-Apr-2002 10:12

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\qcaran04\dd\chem\GCS\azhp4.i\020416-2.b\025B2501.D
Date: 16-APR-2002 21:31
Client ID: S-00-040802-GS-1627
Sample Info: EKKH1AA
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1628

GC Semivolatiles

Lot-Sample #...: A2D090103-003 Work Order #...: EXK11AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:15 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 10 Initial Wgt/Vol: 30.15 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 30 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aroclor 1016	ND	470	ug/kg	76
Aroclor 1221	ND	470	ug/kg	270
Aroclor 1232	ND	470	ug/kg	160
Aroclor 1242	ND	470	ug/kg	260
Aroclor 1248	1300	470	ug/kg	66
Aroclor 1254	ND	470	ug/kg	290
Aroclor 1260	200 J	470	ug/kg	110

SURROGATE	PERCENT RECOVERY	
	RECOVERY	LIMITS
Tetrachloro-m-xylene	0.0 DIL, *	(31 - 127)
Decachlorobiphenyl	0.0 DIL, *	(23 - 141)

NOTE (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\046B4601.D
Report Date: 17-Apr-2002 10:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\046B4601.D
Lab Smp Id: EXKKK1AA Client Smp ID: S-00-040802-GS-1628
Inj Date : 16-APR-2002 03:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : EXKKK1AA,10
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	final volume
Vc	30.150	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ug/kg)		
\$ 1	TCMX				CAS #: 877-09-8	

Operator disabled compound identification.

2 AROCLOR-1221 CAS #: 11104-28-2

Compound Not Detected

3 AROCLOR-1016 CAS #: 12674-11-2

Compound Not Detected

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		

4	AROCLOR-1232		CAS #: 11141-16-5			
Compound Not Detected						

5	AROCLOR-1242		CAS #: 53469-21-9			
Compound Not Detected						

6	AROCLOR-1248		CAS #: 12672-29-6			
2.727	2.728	(-0.001)	200605	0.15926	528.2 75.00- 125.00	100.00 (M)
3.678	3.679	(-0.001)	736497	0.26450	877.3 42.30- 70.50	367.14
4.107	4.108	(-0.001)	685244	0.24824	823.4 6.10- 10.16	341.59
4.443	4.446	(-0.003)	883133	0.35337	1172 1.66- 2.77	440.23
4.987	4.988	(-0.001)	411191	0.29729	986.0 16.38- 27.30	204.98
Average of Peak Concentrations =			877.4			

7	AROCLOR-1254		CAS #: 11097-69-1			
3.400	3.400	(0.000)	638980	0.33043	1096 75.00- 125.00	100.00 (M)
4.385	4.385	(0.000)	0		65.40- 109.00	0.00
4.987	4.988	(-0.001)	411191	0.08811	292.2 39.55- 65.92	64.35
5.253	5.255	(-0.002)	164837	0.05509	182.7 160.57- 267.62	25.80
6.093	6.094	(-0.001)	160413	0.05205	172.6 173.71- 289.51	25.10
Average of Peak Concentrations =			435.9			

8	AROCLOR-1260		CAS #: 11096-82-5			
5.253	5.257	(-0.004)	164837	0.05536	183.6 75.00- 125.00	100.00 (M)
6.093	6.096	(-0.003)	160413	0.05023	166.6 80.94- 134.90	97.32
6.705	6.708	(-0.003)	78903	0.03581	118.8 55.38- 92.30	47.87
7.127	7.129	(-0.002)	169277	0.03520	116.8 131.82- 219.71	102.69
7.755	7.757	(-0.002)	92900	0.03449	114.4 70.86- 118.10	56.36
Average of Peak Concentrations =			140.0			

10	AROCLOR-1262		CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						

12	AROCLOR-1268		CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						

MM 4/17/02

no
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\046B4601.D
Report Date: 17-Apr-2002 10:15

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----

\$ 9 DCB CAS #: 2051-24-3

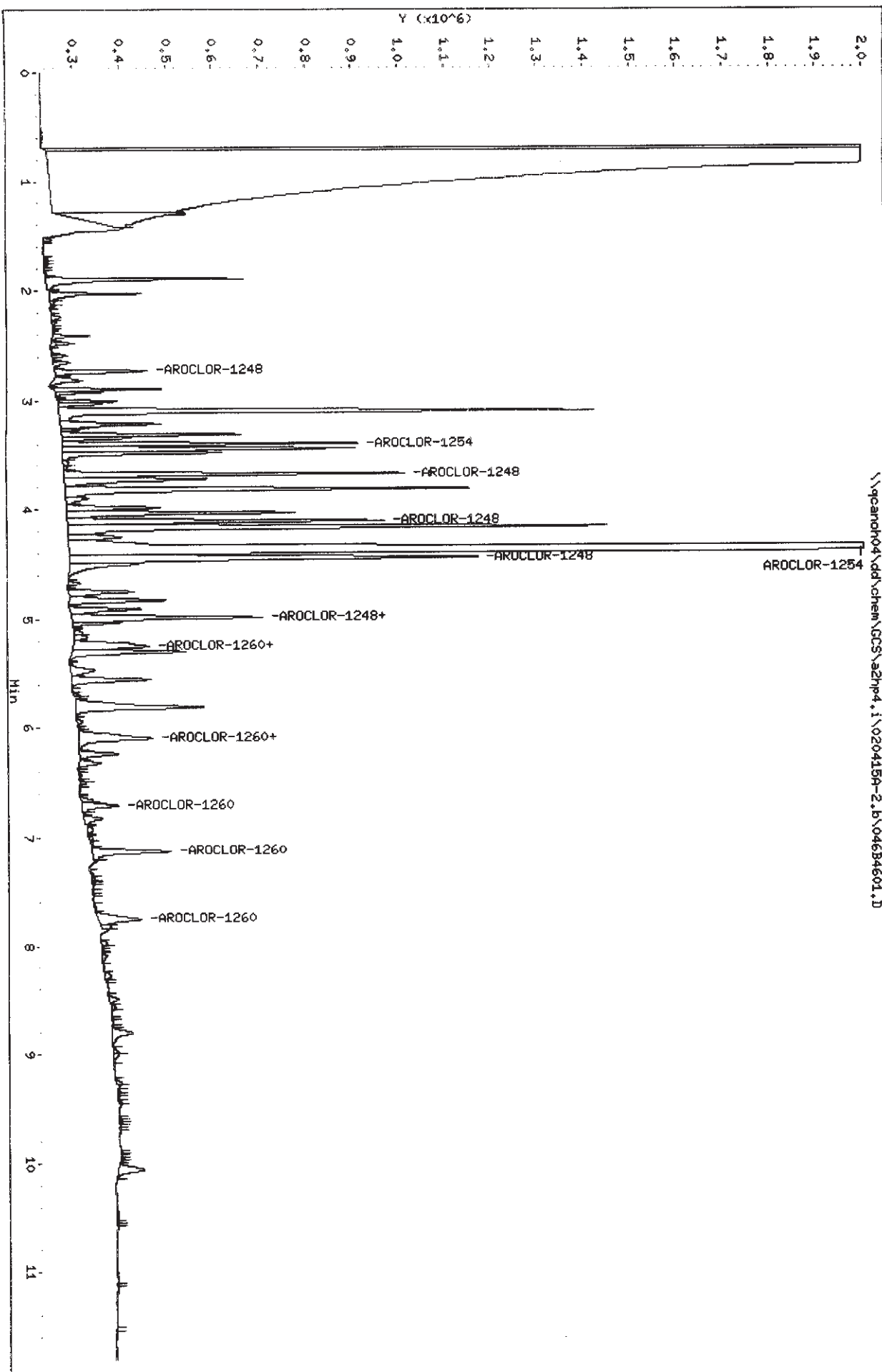
Operator disabled compound identification.

QC Flag Legend

M - Compound response manually integrated.

Data File: \\qcandh04\dd\chem\GCS\azhp4.1\0204159-2.b\04684601.D
 Date: 16-APR-2002 03:00
 Client ID: S-00-040802-GS-1628
 Sample Info: EKKK1A9,10
 Volume Injected (uL): 1.0
 Column phase: restek pest c1PI

Instrument: azhp4.1
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1629

GC Semivolatiles

Lot-Sample #...: A2D090103-004 Work Order #...: EXKKL1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:17 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Initial Wgt/Vol: 30.03 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 32 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	49	ug/kg	7.8
Aroclor 1221	ND	49	ug/kg	28
Aroclor 1232	ND	49	ug/kg	16
Aroclor 1242	ND	49	ug/kg	26
Aroclor 1248	13 J	49	ug/kg	6.8
Aroclor 1254	ND	49	ug/kg	29
Aroclor 1260	ND	49	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	95	(31 - 127)
Decachlorobiphenyl	105	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\047B4701.D
 Report Date: 17-Apr-2002 10:16

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\047B4701.D
 Lab Smp Id: EXKKL1AA Client Smp ID: S-00-040802-GS-1629
 Inj Date : 16-APR-2002 03:17
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKL1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.030	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/kg)	TARGET RANGE	RATIO
# 1	TCMX					CAS #: 877-09-8	
2.027	2.028	(-0.001)	2398062	0.01894	6.307		
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

		CONCENTRATIONS				
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
..
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6 AROCLOR-1248			CAS #: 12672-29-6			
2.720	2.728	(-0.008)	11789	0.00936	3.116 75.00- 125.00	100.00 (M)
3.679	3.679	(0.000)	34779	0.01249	4.159 42.30- 70.50	295.01
4.107	4.108	(-0.001)	97977	0.03549	11.82 6.10- 10.16	831.09
4.442	4.446	(-0.004)	109383	0.04377	14.57 1.66- 2.77	927.84
4.984	4.988	(-0.004)	42791	0.03094	10.30 16.38- 27.30	362.97
Average of Peak Concentrations =			8.793			
7 AROCLOR-1254			CAS #: 11097-69-1			
3.401	3.400	(0.001)	84431	0.04366	14.54 75.00- 125.00	100.00 (M)
4.385	4.305	(0.000)	0		65.40- 109.00	0.00
4.984	4.988	(-0.004)	42791	0.03094	3.053 39.55- 65.92	50.68
5.256	5.255	(0.001)	30215	0.01010	3.363 160.57- 267.62	35.79
6.096	6.094	(0.002)	97723	0.03171	10.56 173.71- 289.51	115.74
Average of Peak Concentrations =			7.879			
8 AROCLOR-1260			CAS #: 11096-82-5			
5.256	5.257	(-0.001)	30215	0.01015	3.379 75.00- 125.00	100.00 (M)
6.096	6.096	(0.000)	97723	0.03060	10.19 80.94- 134.90	323.43
6.735	6.708	(0.027)	23405	0.01062	3.537 55.38- 92.30	77.46
7.128	7.129	(-0.001)	39282	0.00817	2.720 131.82- 219.71	130.01
7.755	7.757	(-0.002)	33922	0.01259	4.193 70.86- 118.10	112.27
Average of Peak Concentrations =			4.804			
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
12 AROCLOR-1268			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
9 DCS			CAS #: 2051-24-3			
10.055	10.057	(-0.002)	810357	0.02100	6.993	

MM 4/17/02

no pattern match

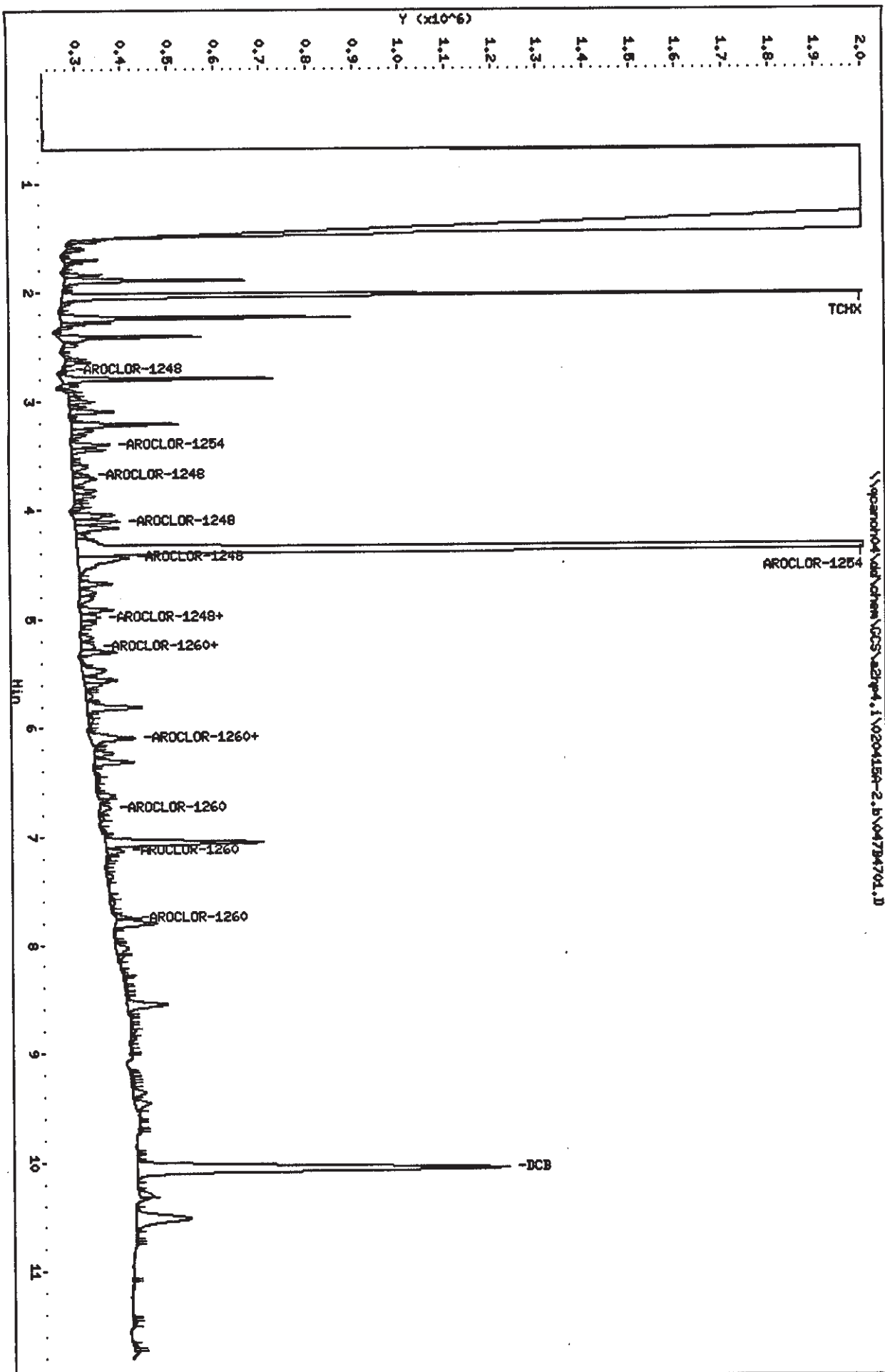
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Report Date: 17-Apr-2002 10:16

QC Flag Legend

M - Compound response manually integrated.

Data File: \\parran04\nd\chem\GC5\2794.1\0204159-2.B\04794701.D
Date: 16-APR-2002 03:17
Client ID: S-00-040802-GS-1629
Sample Info: EXXCL16A
Volume Injected (uL): 1.0
Column Phase: restek pest c1PI

Instrument: a2794.1
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SW-00-040802-GS-1630

GC Semivolatiles

Lot-Sample #...: A2D090103-005 Work Order #...: EXKKM1AA Matrix.....: WG
 Date Sampled...: 04/08/02 14:18 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/15/02
 Prep Batch #...: 2100103
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol...: 2 mL
 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	0.20	ug/L	0.054
Aroclor 1221	ND	0.20	ug/L	0.11
Aroclor 1232	ND	0.40	ug/L	0.056
Aroclor 1242	ND	0.20	ug/L	0.075
Aroclor 1248	ND	0.20	ug/L	0.061
Aroclor 1254	ND	0.20	ug/L	0.082
Aroclor 1260	ND	0.20	ug/L	0.044

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	91	(45 - 120)
Decachlorobiphenyl	87	(24 - 128)

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\060B6001.D
 Report Date: 15-Apr-2002 12:26

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\060B6001.D
 Lab Smp Id: EXKKM1AA Client Smp ID: SW-00-040802-GS-163
 Inj Date : 15-APR-2002 05:45
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKM1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
RESPONSE (ng)			(ug/L)			-----
# 1 TCXK			CAS #: 877-09-8			-----
2.030	2.026	(0.004)	11580624	0.09146	0.1829	-----

2 AROCLOR-1221			CAS #: 11104-28-2			-----
Compound Not Detected						

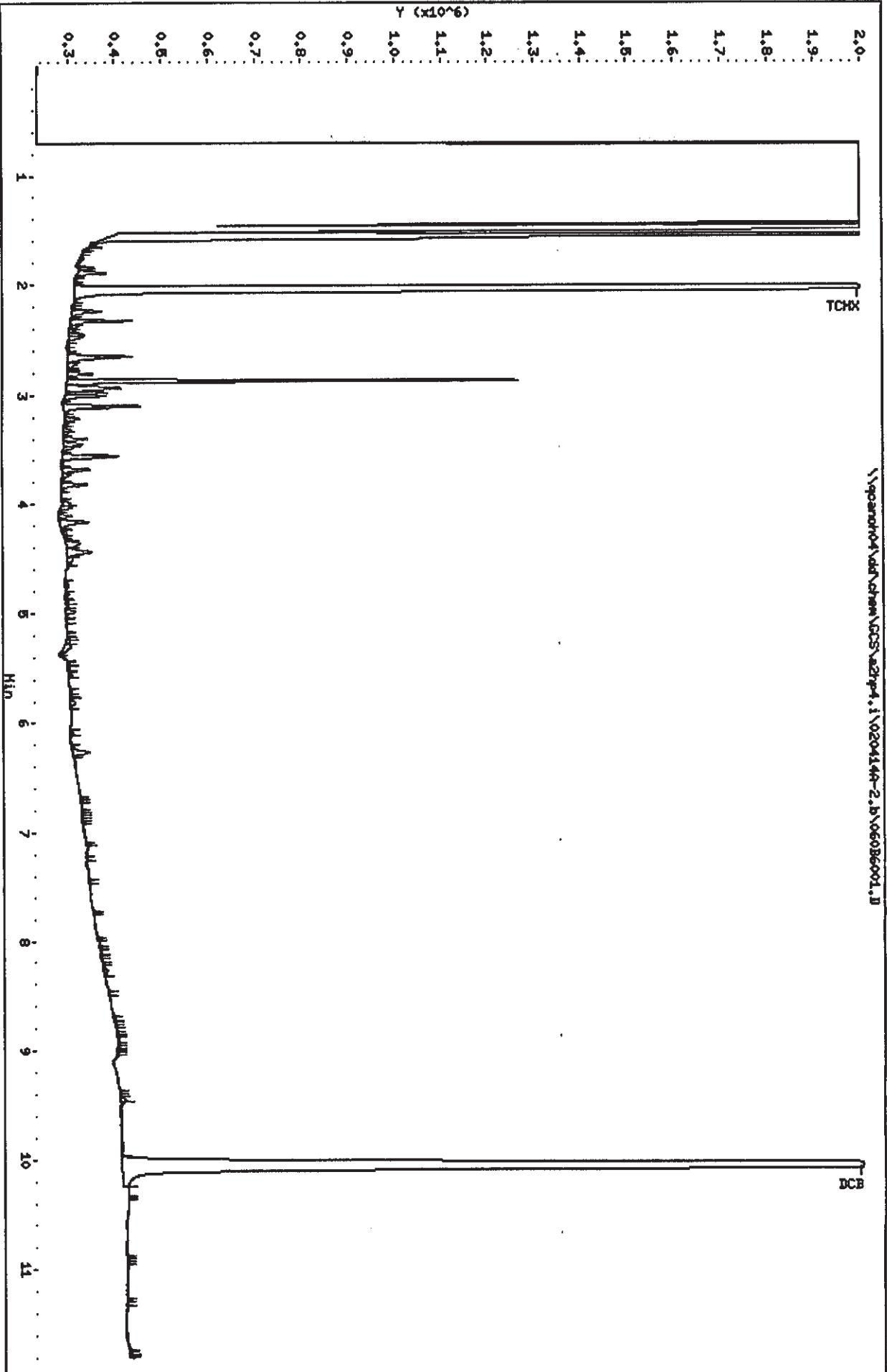
3 AROCLOR-1016			CAS #: 12674-11-2			-----
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/L)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						
7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						
8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						
10						
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						
9						
9 DCB			CAS #: 2051-24-3			
10.050	10.052	(-0.002)	3375440	0.08747	0.1749	

Data File: \\qpcan04\adt\chem\GC5\azhp4.i\020414a-2.b\06086001.D
Date: 15-APR-2002 08:45
Client ID: SM-00-040802-GS-163
Sample Info: EXKHD1a
Purge Volume: 1000.0
Column phase: restek pest c/p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53

\\qpcan04\adt\chem\GC5\azhp4.i\020414a-2.b\06086001.D



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SD-00-040802-GS-1631

GC Semivolatiles

Lot-Sample #...: A2D090103-007 Work Order #...: EXKKQ1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:20 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 2 Initial Wgt/Vol: 30.04 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 36 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	100	ug/kg	17
Aroclor 1221	ND	100	ug/kg	59
Aroclor 1232	ND	100	ug/kg	34
Aroclor 1242	ND	100	ug/kg	56
Aroclor 1248	670	100	ug/kg	14
Aroclor 1254	ND	100	ug/kg	62
Aroclor 1260	89 J	100	ug/kg	23

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(31 - 127)
Decachlorobiphenyl	59	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\026B2601.D
 Report Date: 17-Apr-2002 10:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\026B2601.D
 Lab Smp Id: EXKKQ1AA Client Smp ID: SD-00-040802-GS-163
 Inj Date : 16-APR-2002 21:47
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKQ1AA,2
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.040	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL	TARGET RANGE	RATIO
2.026	2.027	(-0.001)	801528	0.00633	4.214		

2 AROCLOR-1221 CAS #: 11104-28-2

Operator disabled compound identification.

3 AROCLOR-1016 CAS #: 12674-11-2

Compound Not Detected

		CONCENTRATIONS					
RT	EXP RT	DLT RT	OM-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.726	2.725	(0.001)	458328	0.36385	242.2	75.00- 125.00	100.00 (M)
3.678	3.678	(0.000)	1970773	0.70778	471.2	168.62- 281.03	429.99
4.103	4.106	(-0.003)	1497647	0.84256	361.2	150.41- 250.69	326.76
4.442	4.443	(-0.001)	2115585	0.84650	563.6	132.50- 220.83	461.59
4.987	4.987	(0.000)	1047520	0.75735	504.2	75.95- 126.59	228.55
Average of Peak Concentrations =				428.5			
7 AROCLOR-1254			CAS #: 11097-69-1				
3.400	3.398	(0.002)	1637957	0.84701	563.9	75.00- 125.00	100.00 (M)
4.386	4.383	(0.003)	637777	0.19053	126.8	112.74- 187.89	38.94
4.987	4.986	(0.001)	1047520	0.22447	149.4	162.87- 271.46	63.95
5.301	5.301	(0.000)	634955	0.21222	141.3	97.01- 161.68	38.77
6.094	6.094	(0.000)	301570	0.09785	85.15	103.61- 172.69	18.41
Average of Peak Concentrations =				209.3			
8 AROCLOR-1260			CAS #: 11096-82-5				
5.251	5.253	(-0.002)	350997	0.11787	78.48	75.00- 125.00	100.00 (M)
6.094	6.093	(0.001)	301570	0.09443	62.87	80.61- 134.35	85.92
6.705	6.705	(0.000)	152233	0.06909	46.00	55.16- 91.93	43.37
7.127	7.127	(0.000)	353219	0.07346	48.91	123.64- 206.06	100.63
7.755	7.754	(0.001)	201795	0.07491	49.87	69.47- 115.79	57.49
Average of Peak Concentrations =				57.23			
10 AROCLOR-1262			CAS #:				
Operator disabled compound identification.							
12 AROCLOR-1268			CAS #:				
Operator disabled compound identification.							
9 DCB			CAS #: 2051-24-3				
10.054	10.055	(-0.001)	226564	0.00587	3.909		(R)

MM 4/17/02
 no
 pattern
 match

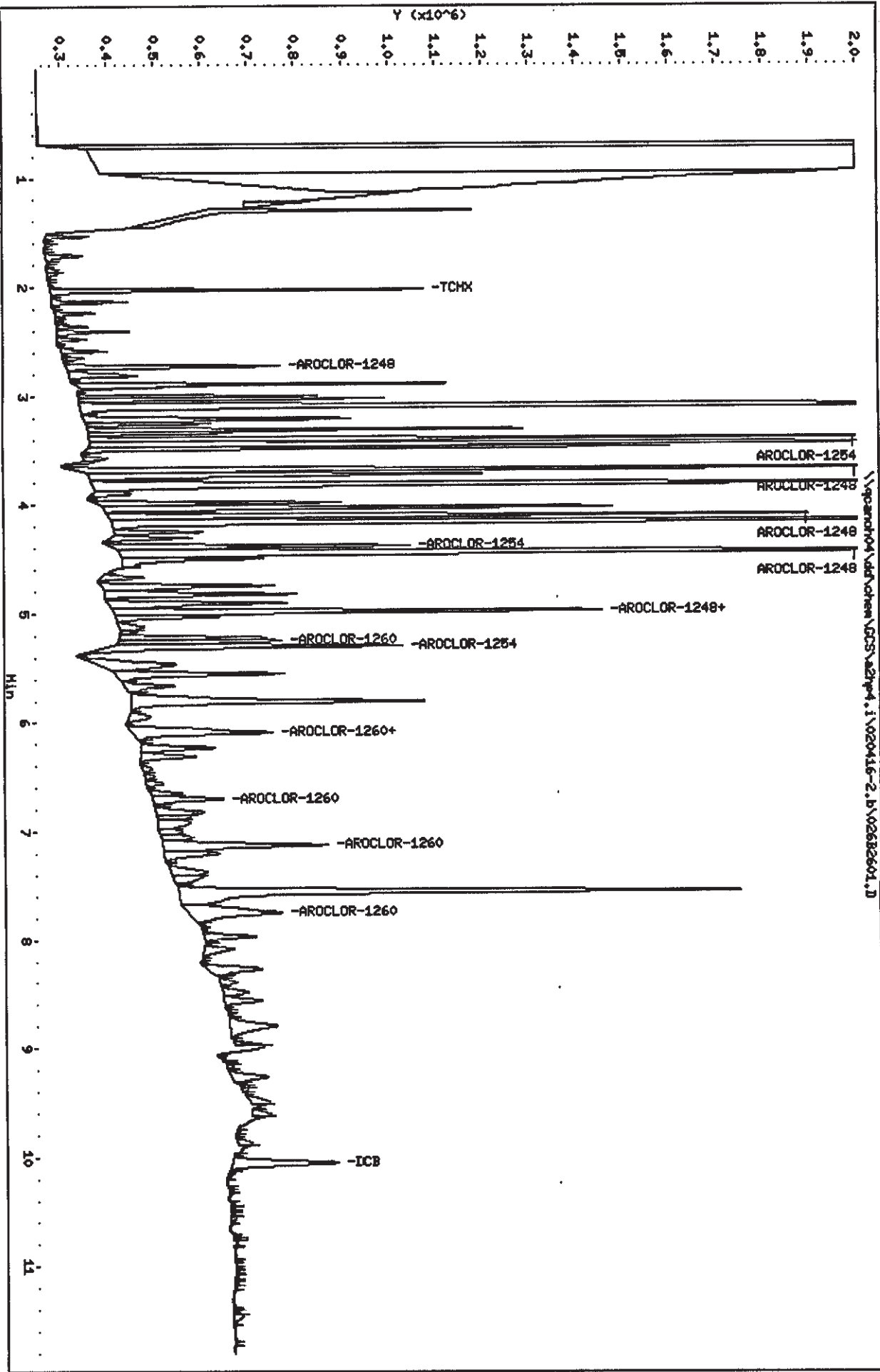
Data File: \\qcanoh04\dd\chem\GCS\2hp4.i\020416-2.b\026B2601.D
Report Date: 17-Apr-2002 10:13

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\gsam04\volchem\SCS\azhp4.i\020416-2.b\02682601.D
 Date: 16-APR-2002 21:47
 Client ID: SD-00-040802-GS-163
 Sample Info: EXKQDRA,2
 Volume Injected (L): 1.0
 Column phases: restek past c1p1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.63



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SW-00-040802-GS-1630DISS

Dissolved GC Semivolatiles

Lot-Sample #...: A2D090103-006 Work Order #...: EXKKN1AA Matrix.....: WG
 Date Sampled...: 04/08/02 14:18 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #...: 2100102
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol...: 2 mL
 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Dissolved Aroclor-1016	ND	0.20	ug/L	0.054
Dissolved Aroclor 1221	ND	0.20	ug/L	0.11
Dissolved Aroclor 1232	ND	0.40	ug/L	0.056
Dissolved Aroclor 1242	ND	0.20	ug/L	0.075
Dissolved Aroclor 1248	ND	0.20	ug/L	0.061
Dissolved Aroclor 1254	ND	0.20	ug/L	0.082
Dissolved Aroclor 1260	ND	0.20	ug/L	0.044

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	82	(45 - 120)
Decachlorobiphenyl	76	(24 - 128)

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\093B9301.D
 Report Date: 15-Apr-2002 09:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\093B9301.D
 Lab Smp Id: EXKKN1AA Client Smp ID: SW-00-040802-GS-163
 Inj Date : 13-APR-2002 15:27
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKN1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	---	---	-----	-----
RESPONSE (ng)			(ug/L)			
\$ 1 TCMX			CAS #: 877-09-8			
2.028	2.025	(0.003)	10418720	0.08228	0.1646	

2 AROCLOR-1221			CAS #: 11104-28-2			
Compound Not Detected						

3 AROCLOR-1016			CAS #: 12674-11-2			
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			OM-COL RESPONSE (ng)	FINAL (ug/L)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						

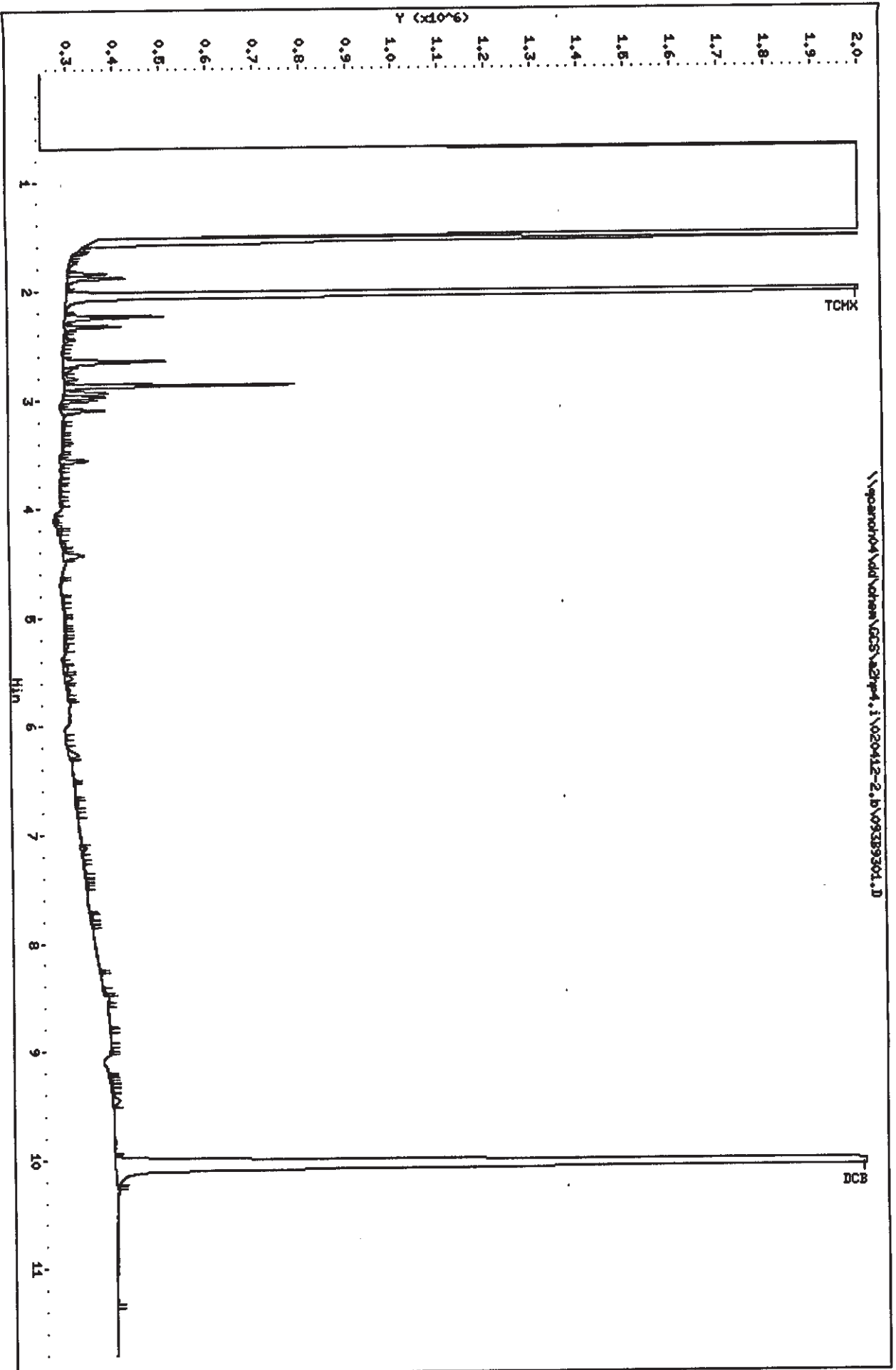
10						
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						

12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						

9						
9 DCB			CAS #: 2051-24-3			
10.047	10.047	(0.000)	2951684	0.07649	0.1530	

Data File: \\pcanor04\dd\chem\GC5\ad2hp4.1\020412-2.1\09339301.D
Date: 13-APR-2002 15:27
Client ID: SW-00-040802-GS-163
Sample Info: EKKONDA
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: ad2hp4.1
Operator: 1808
Column diameter: 0.53





STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

15-MAR-2002 11:08	12-AR1660td	028B2801.D
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D

Report Date : 18-Mar-2002 07:54

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Cal Date : 15-Mar-2002 11:26 molm
 Curve Type : Average

Calibration File Names:

Level 1: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\023B2301.D
 Level 2: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\024B2401.D
 Level 3: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\025B2501.D
 Level 4: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\026B2601.D
 Level 5: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\027B2701.D

Compound	0.10000	0.20000	0.50000	1.000	2.000	RRP	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5		
2 AROCLOR-1221 (1)	1281660	1285825	1173670	1250654	1415573	1281476	6.822
(2)	868560	851040	770402	807840	899033	839375	6.045
(3)	2852160	2788995	2527588	2630307	2936912	2747192	6.054
3 AROCLOR-1016 (1)	2171850	1840160	1778930	1801277	1670875	1852618	10.212
(2)	3162430	2753850	2690552	2694107	2495108	2759209	8.902
(3)	5474080	4756170	4864824	4946817	4836564	4975691	5.764
(4)	2995480	2552680	2554732	2638705	2531881	2654696	7.340
(5)	2011440	1739760	1756124	1845190	1817298	1833962	5.900
4 AROCLOR-1232 (1)	2534050	2365140	2023400	1962115	1976006	2172142	12.026
(2)	1450280	1354175	1180010	1129314	1155458	1253847	11.229
(3)	2358900	2200205	2001066	2056961	2090122	2141451	6.613
(4)	1315320	1234865	1079762	1091958	1126191	1169619	8.706
(5)	895230	814830	724808	733946	748592	783481	9.156
5 AROCLOR-1242 (1)	1842610	1692705	1484844	1453972	1548726	1604571	10.076
(2)	2578600	2377990	2078108	2042780	2141210	2243738	10.175
(3)	4462640	4064090	3707836	3750575	4079370	4012902	7.591
(4)	2433450	2206525	1977066	1993303	2191182	2160305	8.634
(5)	1844120	1661560	1492878	1514586	1633432	1629315	8.624
6 AROCLOR-1248 (1)	1504450	1266235	1245200	1137711	1144634	1259646	11.794
(2)	3264670	2721670	2764964	2555078	2615817	2784440	10.094
(3)	3154260	2729695	2726502	2554845	2636492	2760359	8.395
(4)	2853870	2437815	2440700	2344108	2419510	2499201	8.087
(5)	1612950	1381770	1341396	1281221	1298385	1383144	9.709
7 AROCLOR-1254 (1)	2053360	1913160	1747970	1803616	2150922	1933806	8.705
(2)	3481340	3271780	3002912	3134223	3846623	3347376	9.874
(3)	4687160	4391020	4246858	4465986	5542293	4666663	11.029
(4)	3034850	2884470	2656384	2807681	3576565	2991990	11.837
(5)	3224420	2841400	2779274	2810941	3753314	3081870	13.515

Report Date : 18-Mar-2002 07:54

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Cal Date : 15-Mar-2002 11:26 molm
 Curve Type : Average

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	RRF	% RSD
8 AROCLOR-1260 (1)	3349790	2863595	2908406	2916831	2849909	2977706	7.051
(2)	3528510	3072280	3132650	3111784	3122062	3193457	5.909
(3)	2477940	2109440	2159052	2140533	2129917	2203376	7.013
(4)	5302750	4545490	4679598	4753523	4760616	4808395	6.022
(5)	2979990	2598295	2632760	2639373	2618362	2693756	5.969
10 AROCLOR-1262 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
12 AROCLOR-1268 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
\$ 1 TCXK	134624200	122265200	123042400	130112900	123057530	126620446	4.339
\$ 9 DCB	43048200	37888000	37741720	37396920	36866480	38588264	6.541

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\003B0301.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\003B0301.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:10
 Operator : 1808
 Smp Info : 1232,,1,1
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.402	2.402	(0.000)	253405 0.10000	0.1271	75.00- 125.00	100.00
2.722	2.722	(0.000)	145028 0.10000	0.1297	43.74- 72.90	57.23
3.094	3.094	(0.000)	235890 0.10000	0.1215	74.17- 123.62	93.09
3.212	3.213	(-0.001)	131532 0.10000	0.1274	40.02- 66.70	51.91
3.672	3.671	(0.001)	89523 0.10000	0.1281	26.87- 44.78	35.33
Average of Peak Amounts =				0.127		

Data File: \\qanand\4\dat\chem\CCS\27p4.1\020315IC-2.b\003B0301.D

Date: 15-Mar-2002 02:10

Client ID:

Sample Info: 1232,1,1

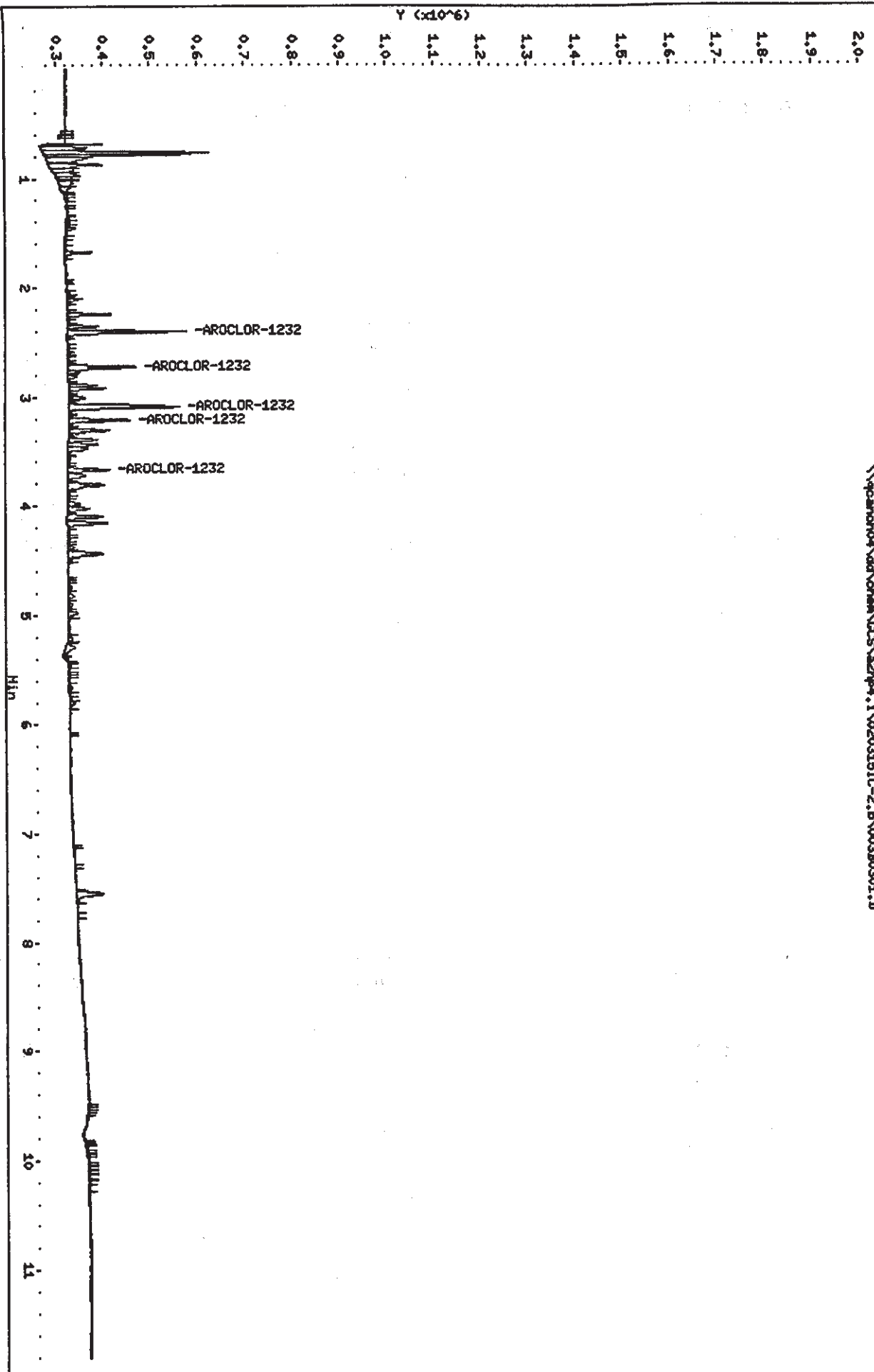
Column phase: restek pest o/p1

Instrument: 27p4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\004B0401.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\004B0401.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:27
 Operator : 1808
 Smp Info : 1232,,1,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.400	2.402	(-0.002)	473028	0.20000	0.2293 75.00- 125.00	100.00
2.721	2.722	(-0.001)	270835	0.20000	0.2321 43.74- 72.90	57.26
3.092	3.094	(-0.002)	440041	0.20000	0.2195 74.17- 123.62	93.03
3.211	3.213	(-0.002)	246973	0.20000	0.2294 40.02- 66.70	52.21
3.670	3.671	(-0.001)	162966	0.20000	0.2245 26.87- 44.78	34.45
Average of Peak Amounts =				0.227		

Data File: \\gsandhoff\add\chem\GC5\22hp4.1\020315IC-2.b\004B0401.D

Date: 15-SEP-2002 02:27

Client ID:

Sample Info: 1232,,1,2

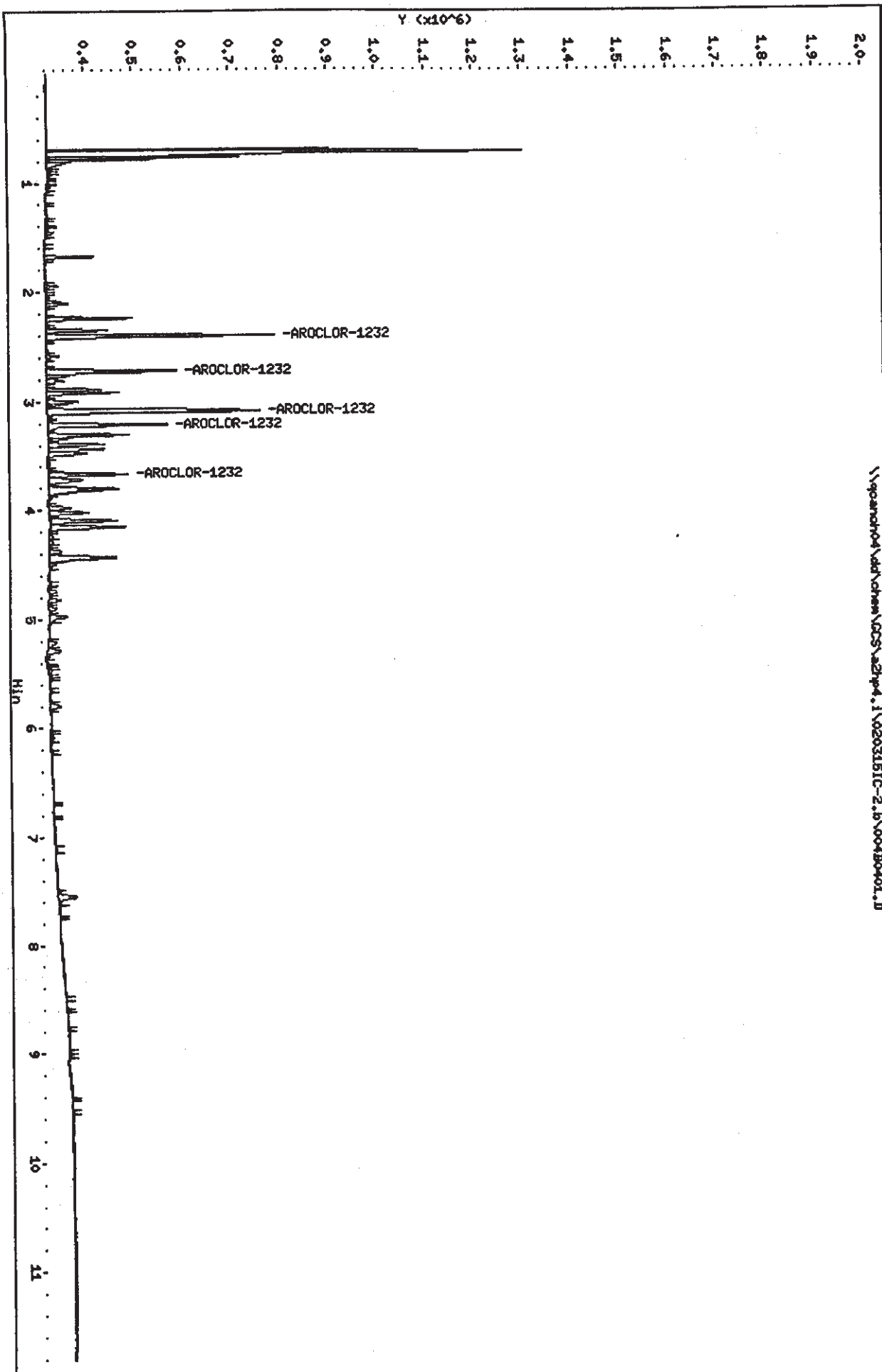
Column phase: restek pest c1p1

Instrument: 22hp4.1

Operator: 1808

Column diameter: 0.53

\\gsandhoff\add\chem\GC5\22hp4.1\020315IC-2.b\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\005B0501.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\005B0501.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:43
 Operator : 1808
 Smp Info : 1232,,1,3
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	
4 AROCLOR-1232					CAS #: 11141-16-5		
2.401	2.402	(-0.001)	1011700	0.50000	0.4918	75.00- 125.00	100.00
2.721	2.722	(-0.001)	590005	0.50000	0.5009	43.74- 72.90	58.32
3.093	3.094	(-0.001)	1000533	0.50000	0.4964	74.17- 123.62	98.90
3.212	3.213	(-0.001)	539881	0.50000	0.4970	40.02- 66.70	53.36
3.670	3.671	(-0.001)	362404	0.50000	0.4947	26.87- 44.78	35.82
Average of Peak Amounts =					0.496		

Data File: \Vapor\04\dd\chem\GC5\azhp4.1\020315IC-2.b\008B0601.D

Date: 15-Mar-2002 02:43

Client ID:

Sample Info: 1232, 1, 3

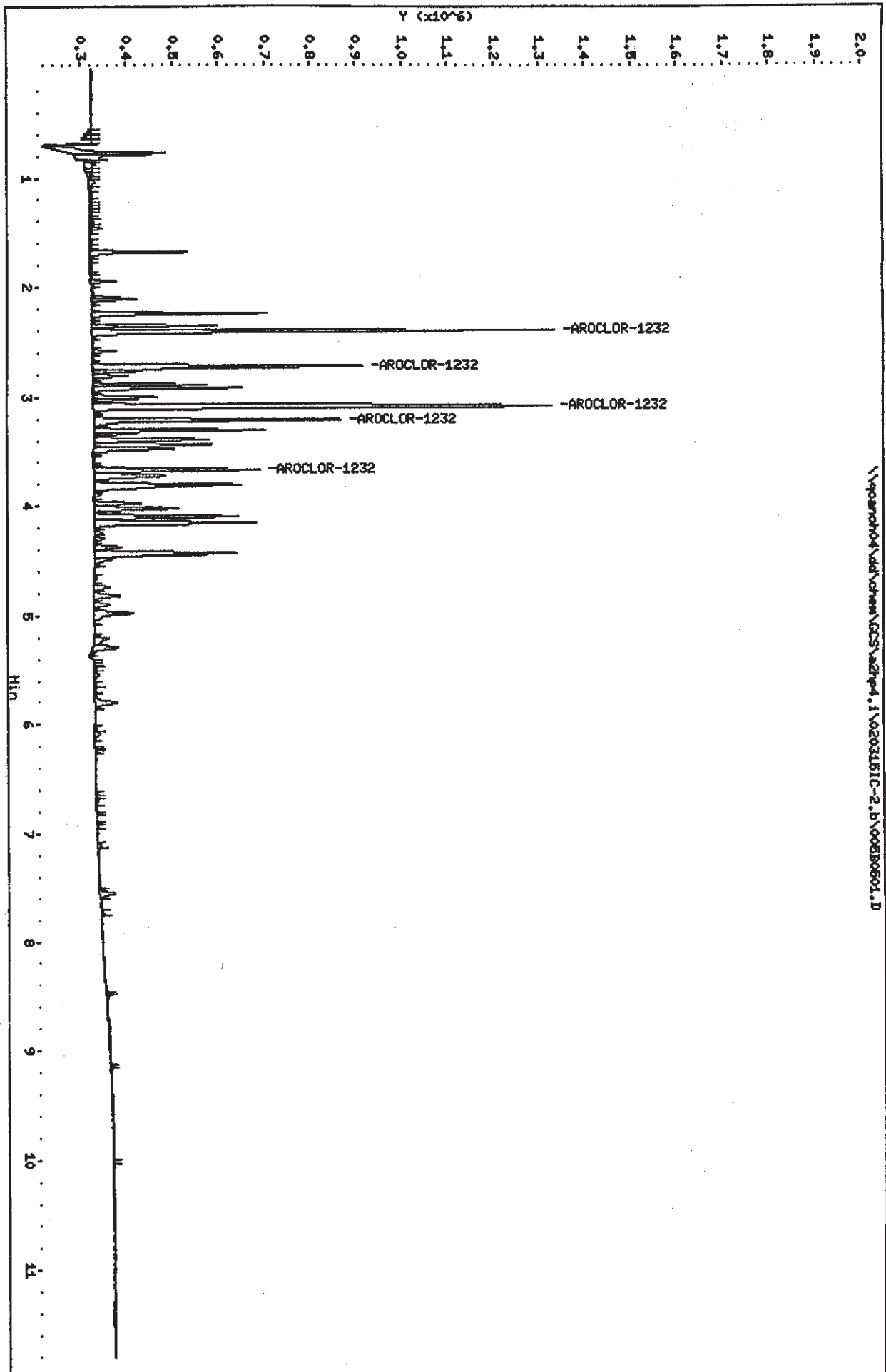
Column phase: restek past o/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\Vapor\04\dd\chem\GC5\azhp4.1\020315IC-2.b\008B0601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\006B0601.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\006B0601.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 03:00
 Operator : 1808
 Smp Info : 1232,,1,4
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
2.401	2.402	(-0.001)	1962115	1.00000	0.9352 75.00- 125.00	100.00
2.722	2.722	(0.000)	1129314	1.00000	0.9366 43.74- 72.90	57.56
3.093	3.094	(-0.001)	2056961	1.00000	0.9939 74.17- 123.62	104.83
3.212	3.213	(-0.001)	1091958	1.00000	0.9757 40.02- 66.70	55.65
3.671	3.671	(0.000)	733946	1.00000	0.9737 26.87- 44.78	37.41
Average of Peak Amounts =				0.963		

Data File: \\vaporator04\vd\chem\GC5\azhp4.1\020315IC-2.5\00680601.D

Date: 15-MAR-2002 03:00

Client ID:

Sample Info: 1232,1,4

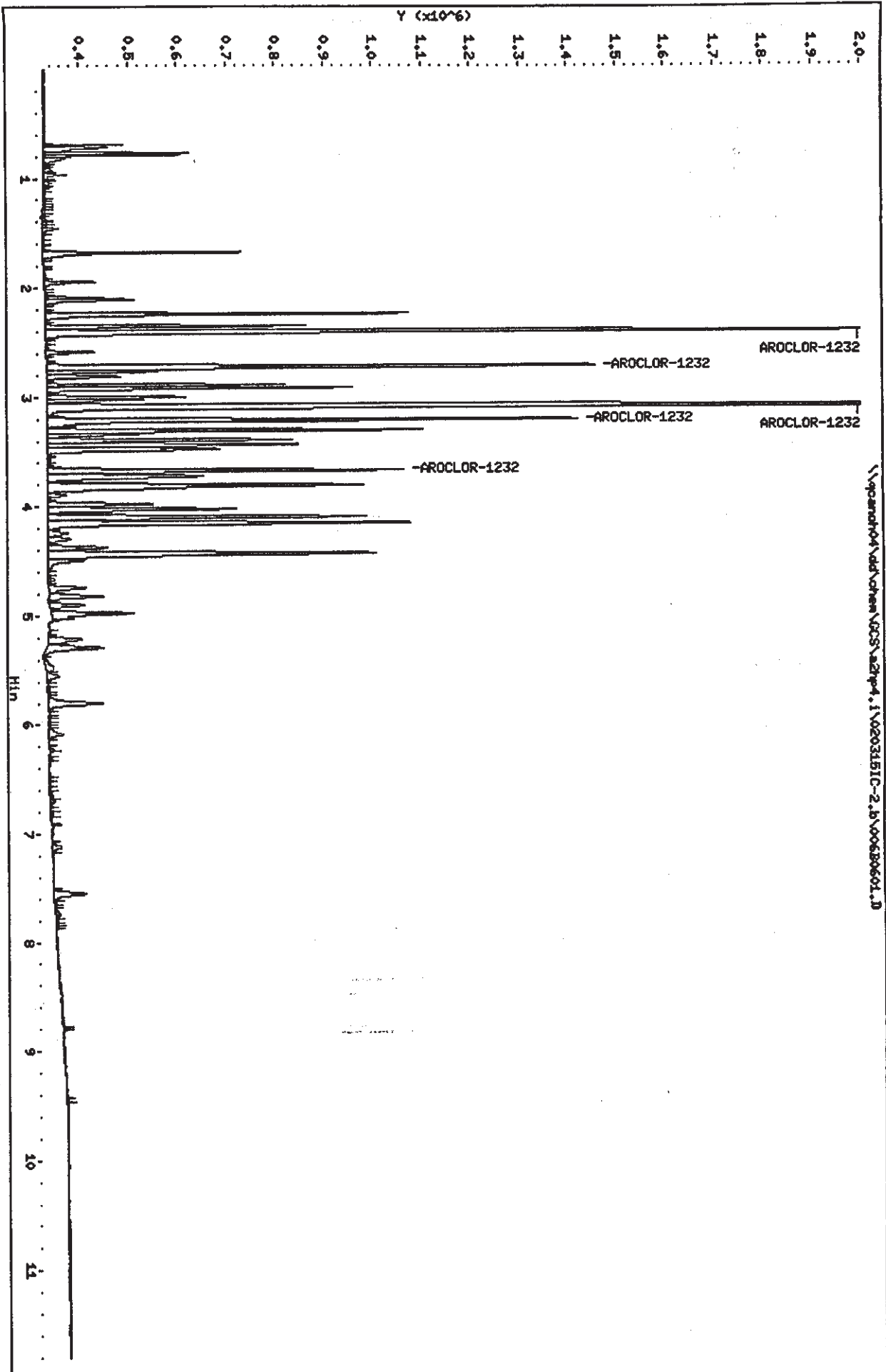
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\vaporator04\vd\chem\GC5\azhp4.1\020315IC-2.5\00680601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\007B0701.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

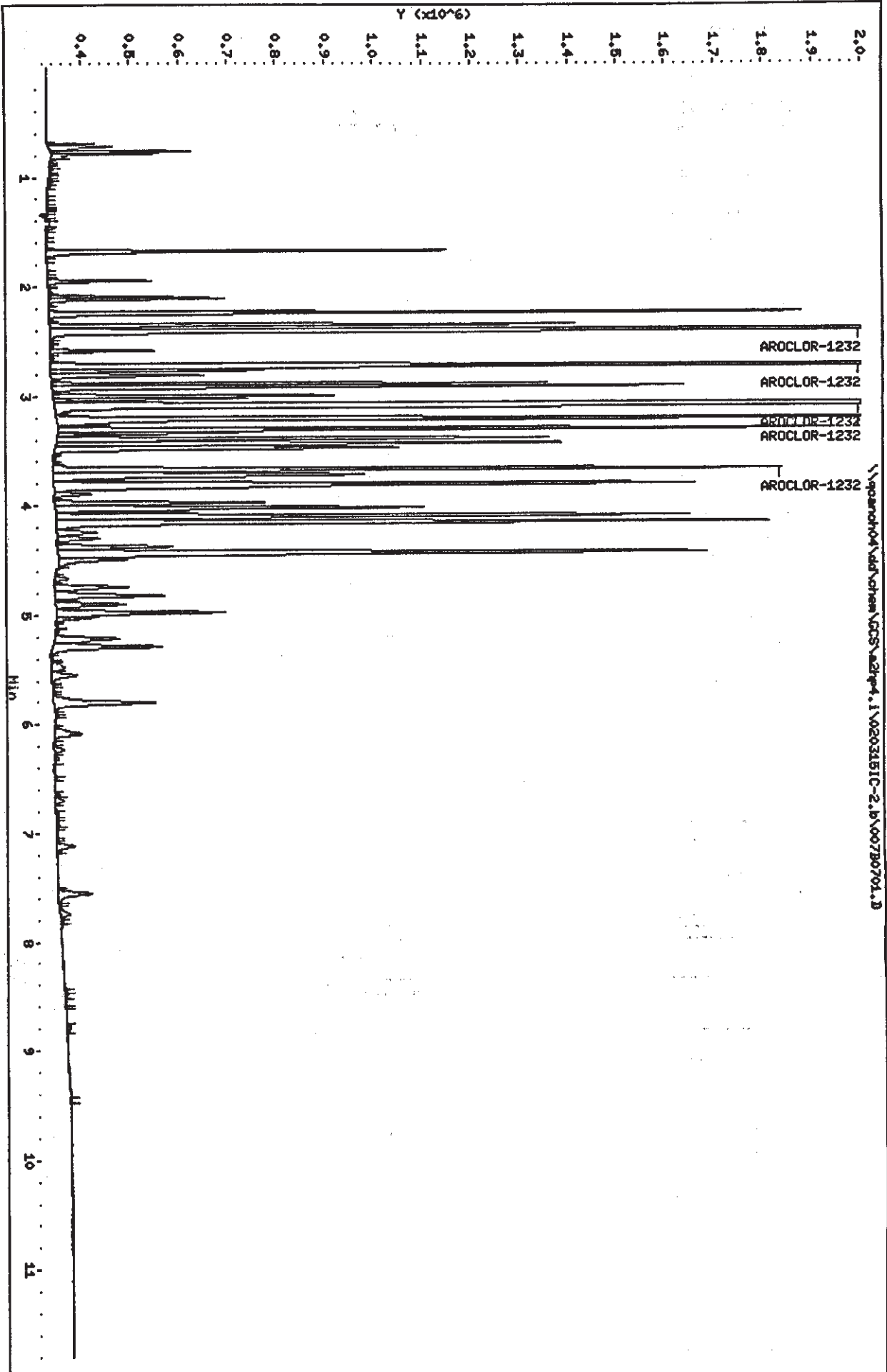
Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\007B0701.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 03:16
 Operator : 1808
 Smp Info : 1232,,1,5
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO	
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232					CAS #: 11141-16-5				
2.402	2.402	(0.000)	3952011	2.00000	1.819	75.00- 125.00	100.00		
2.722	2.722	(0.000)	2310915	2.00000	1.843	43.74- 72.90	58.47		
3.094	3.094	(0.000)	4180244	2.00000	1.952	74.17- 123.62	105.78		
3.213	3.213	(0.000)	2252381	2.00000	1.926	40.02- 66.70	56.99		
3.671	3.671	(0.000)	1497184	2.00000	1.911	26.87- 44.78	37.88		
Average of Peak Amounts =					1.89				

Data File: \\parrnet04\add\chem\GC5\22hp4.1\020315IC-2.B\007B0701.D
Date: 15-Mar-2002 03:16
Client ID:
Sample Info: 1232, 1, 5
Column phase: restek pest c1p1

Instrument: 22hp4.1
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\008B0801.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\008B0801.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 03:33
 Operator : 1808
 Smp Info : 1242,,1,1
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.401	2.401	(0.000)	184261	0.10000	0.1293 75.00- 125.00	100.00
2.722	2.721	(0.001)	257860	0.10000	0.1302 104.97- 174.94	139.94
3.093	3.093	(0.000)	446264	0.10000	0.1249 187.28- 312.14	242.19
3.212	3.211	(0.001)	243345	0.10000	0.1302 99.86- 166.44	132.07
3.671	3.671	(0.000)	184412	0.10000	0.1286 75.41- 125.68	100.08
Average of Peak Amounts =				0.129		

Data File: \\qpcard04\ddi\chem\CCS\2hp4.1\020315IC-2.b\0080801.D

Date: 15-Mar-2002 03:33

Client ID:

Sample Info: 1242,1,1

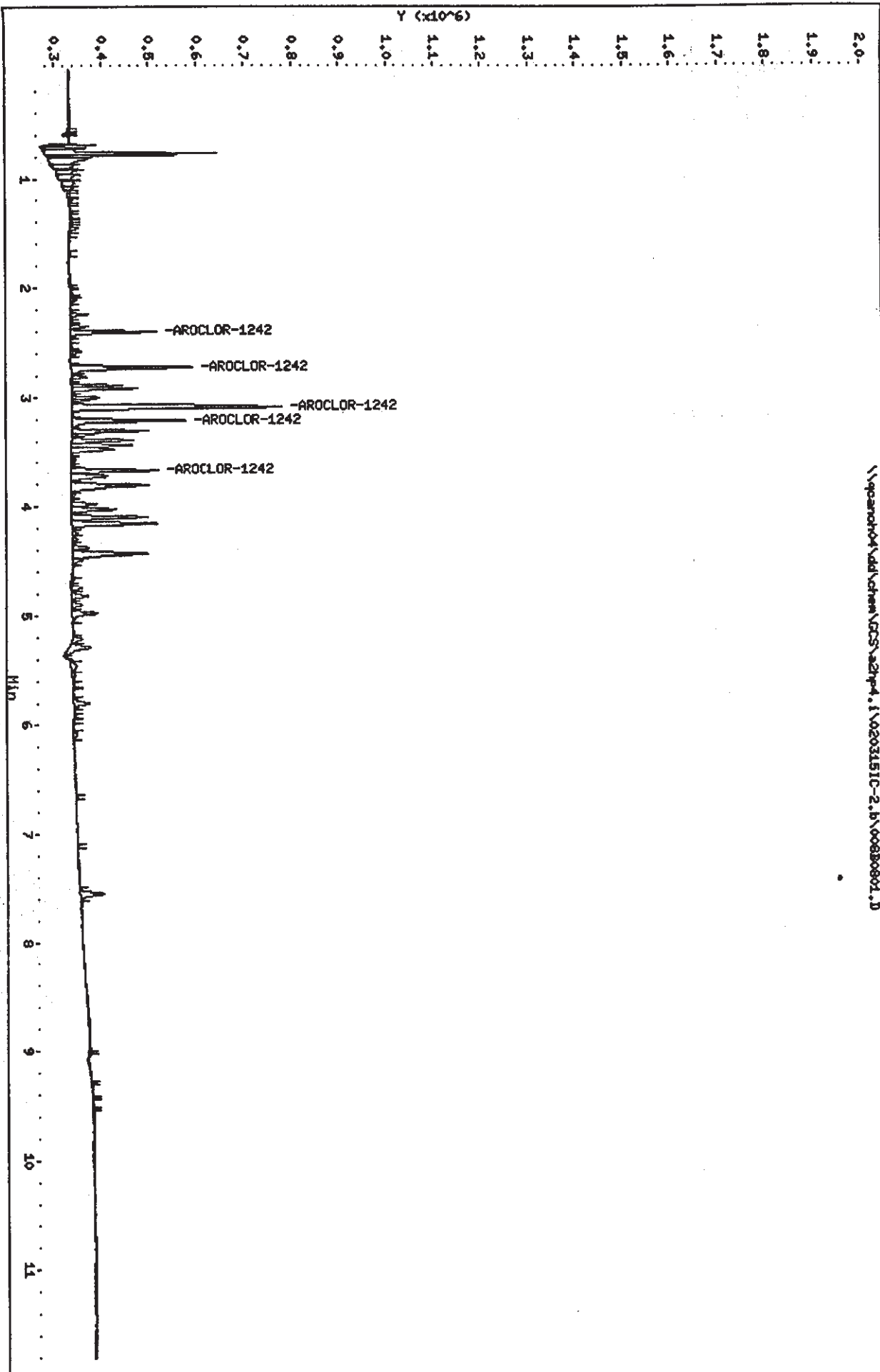
Column phase: restek pest o/p1

Instrument: 42hp4.i

Operator: 1808

Column diameter: 0.53

\\qpcard04\ddi\chem\CCS\2hp4.1\020315IC-2.b\0080801.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\009B0901.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 03:49
 Operator : 1808
 Smp Info : 1242,,1,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	
5 AROCLOR-1242				CAS #: 53469-21-9			
2.401	2.401	(0.000)	338541	0.20000	0.2294 75.00- 125.00	100.00	
2.722	2.721	(0.001)	475598	0.20000	0.2312 104.97- 174.94	140.48	
3.094	3.093	(0.001)	812818	0.20000	0.2204 187.28- 312.14	240.09	
3.212	3.211	(0.001)	441305	0.20000	0.2273 99.86- 166.44	130.35	
3.671	3.671	(0.000)	332312	0.20000	0.2244 75.41- 125.68	98.16	
Average of Peak Amounts =					0.227		

Data File: \\gsaparr04\vol1\chem\GCOS\22hp4.1\020315IC-2.b\00980901.D

Date: 15-MAR-2002 03:49

Client ID:

Sample Info: 1242,1,2

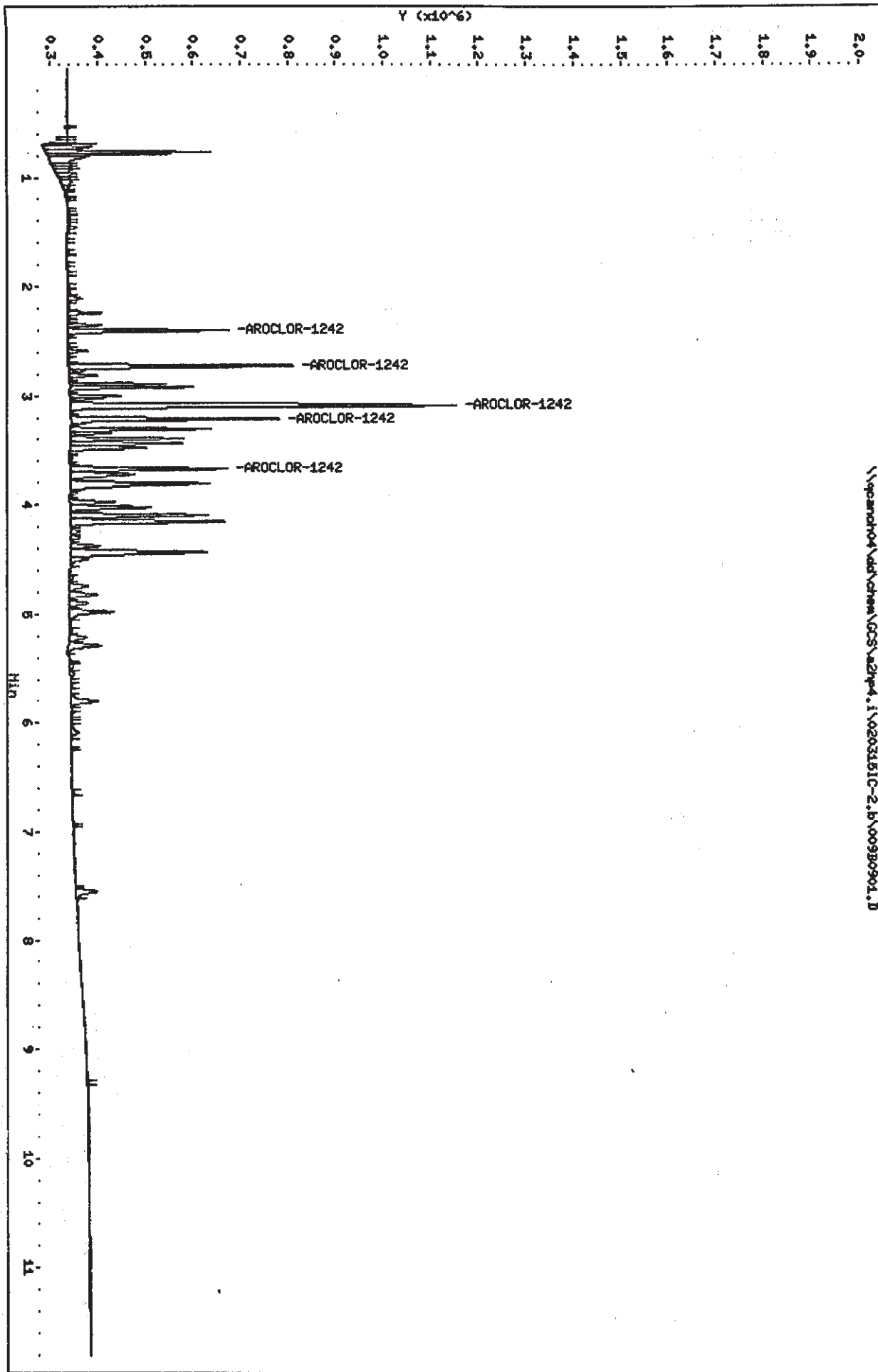
Column phase: restek post o/p1

Instrument: 22hp4.1

Operator: 1808

Column diameter: 0.53

\\gsaparr04\vol1\chem\GCOS\22hp4.1\020315IC-2.b\00980901.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\010B1001.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\010B1001.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 04:06
 Operator : 1808
 Smp Info : 1242,,1,3
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
5 AROCLOR-1242							
CAS #: 53469-21-9							
2.402	2.401	(0.001)	742422	0.50000	0.4902	75.00- 125.00	100.00
2.723	2.721	(0.002)	1039054	0.50000	0.4934	104.97- 174.94	139.95
3.095	3.093	(0.002)	1853918	0.50000	0.4952	187.28- 312.14	249.71
3.213	3.211	(0.002)	988533	0.50000	0.4962	99.86- 166.44	133.15
3.671	3.671	(0.000)	746439	0.50000	0.4936	75.41- 125.68	100.54
Average of Peak Amounts =				0.494			

Data File: \\qpcan04\vd\chem\GC5\azhp4.1\020315IC-2.B\010B1001.D

Date: 15-10R-2002 04:06

Client ID:

Sample Info: 1242, 1, 3

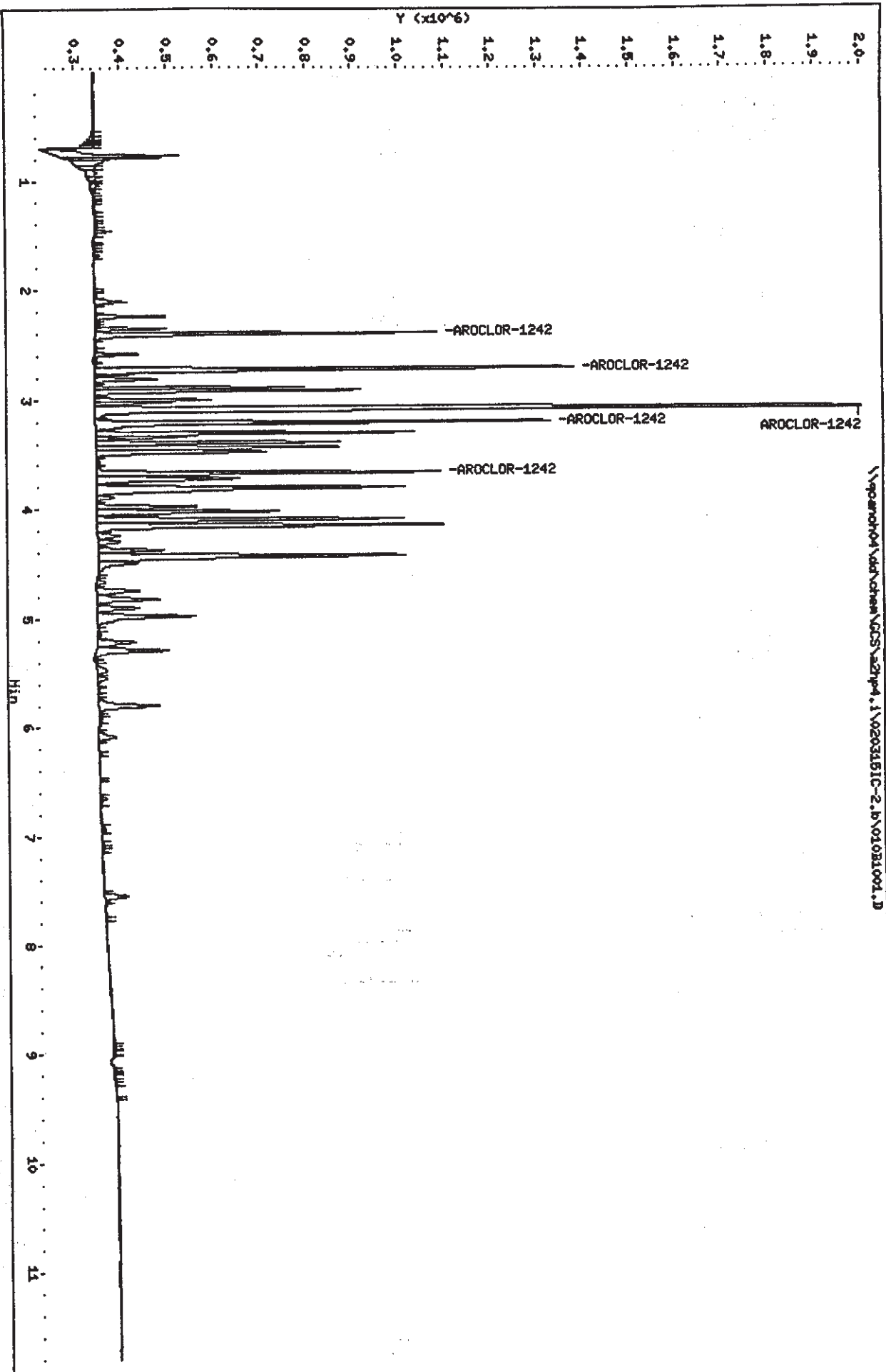
Column phase: restek past o/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcan04\vd\chem\GC5\azhp4.1\020315IC-2.B\010B1001.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\011B1101.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\011B1101.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 04:22
 Operator : 1808
 Smp Info : 1242,,1,4
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.403	2.401	(0.002)	1453972	1.00000	0.9394 75.00- 125.00	100.00
2.724	2.721	(0.003)	2042780	1.00000	0.9454 104.97- 174.94	140.50
3.095	3.093	(0.002)	3750575	1.00000	0.9765 187.28- 312.14	257.95
3.214	3.211	(0.003)	1993303	1.00000	0.9690 99.86- 166.44	137.09
3.673	3.671	(0.002)	1514586	1.00000	0.9733 75.41- 125.68	104.17
Average of Peak Amounts =				0.961		

Data File: \\qpcr\04\04\chem\008\22\4.1\020315IC-2.b\01181101.D

Date: 15-MAR-2002 04:22

Client ID:

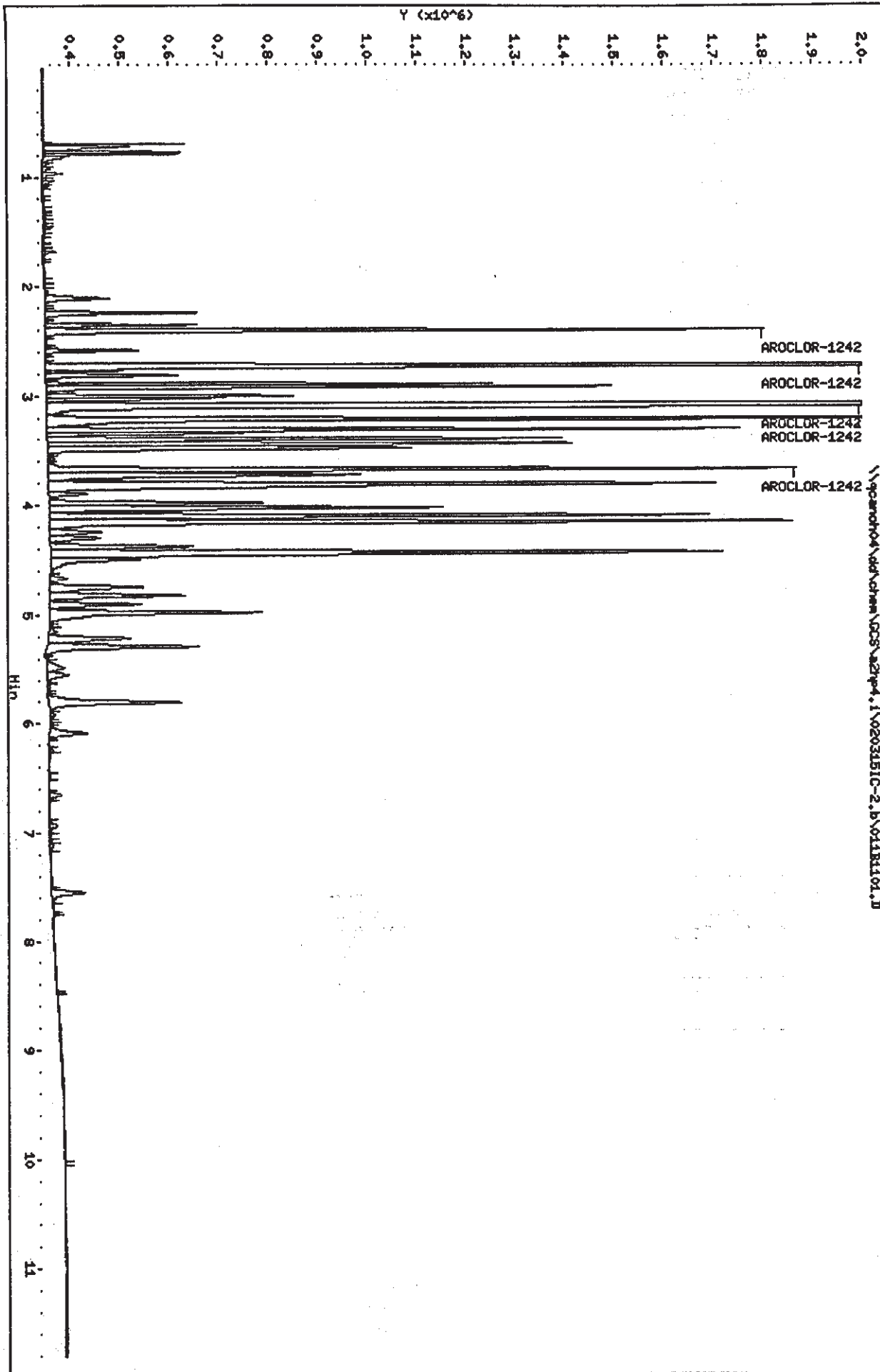
Sample Info: 1242,1,4

Column phase: restek past cipi

Instrument: 22\4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\012B1201.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\012B1201.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 06:43
 Operator : 1808
 Smp Info : 1242,,1,5
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
5 AROCLOR-1242							
2.401	2.401	(0.000)	3097451	2.00000	1.930	75.00- 125.00	100.00
2.721	2.721	(0.000)	4282419	2.00000	1.909	104.97- 174.94	138.26
3.093	3.093	(0.000)	8158740	2.00000	2.033	187.28- 312.14	263.40
3.211	3.211	(0.000)	4382364	2.00000	2.028	99.86- 166.44	141.48
3.671	3.671	(0.000)	3266863	2.00000	2.005	75.41- 125.68	105.47
Average of Peak Amounts =				1.98			

Data File: \\qasam004\dat\chem\GC5\2hp4.1\020315IC-2.b\012B1201.D

Date: 15-NOV-2002 06:43

Client ID:

Sample Info: 1242,1,5

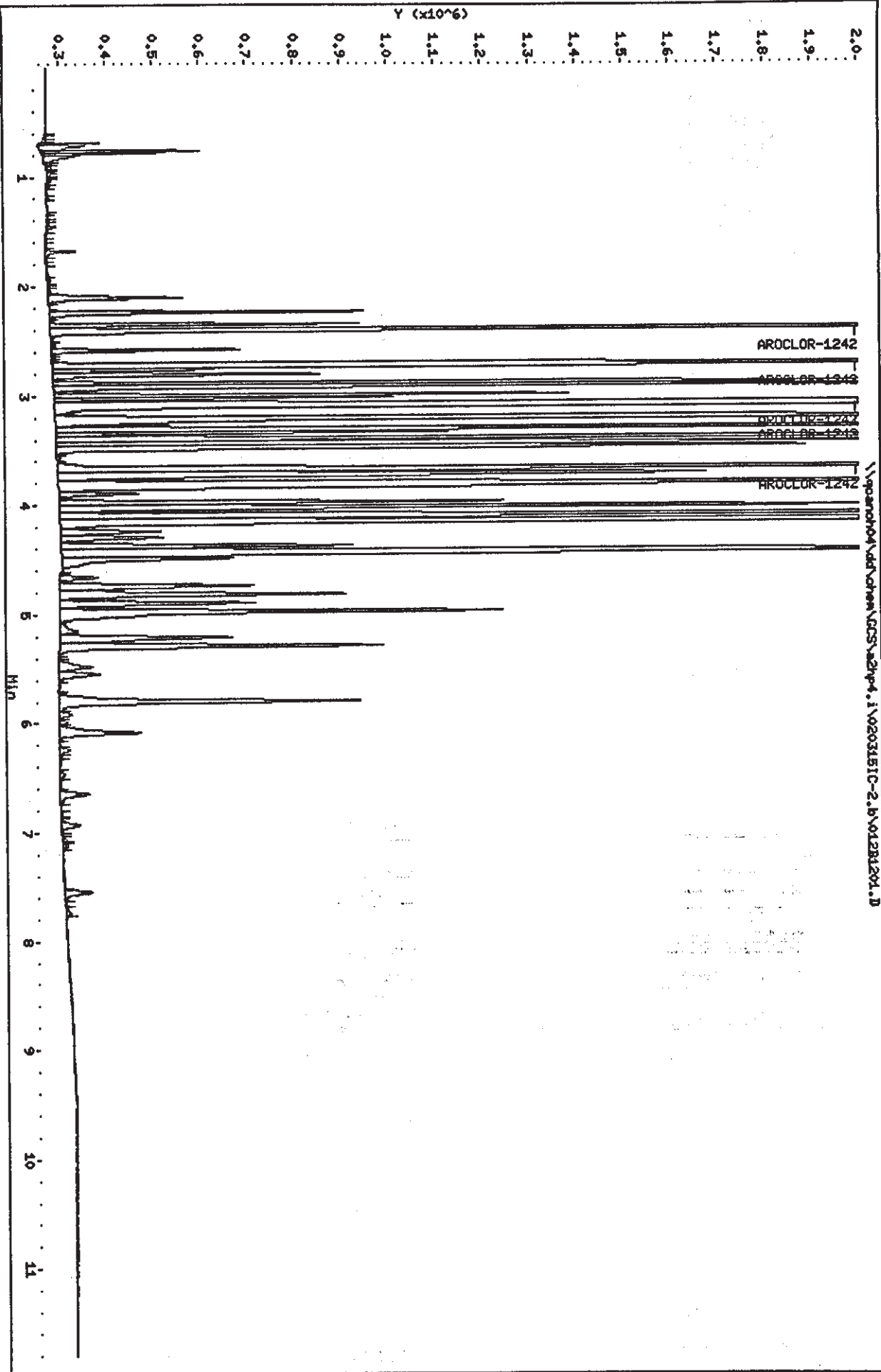
Column phase: restek pest c1p1

Instrument: 2hp4.1

Operator: 1808

Column diameter: 0.53

\\qasam004\dat\chem\GC5\2hp4.1\020315IC-2.b\012B1201.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\013B1301.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:00
 Operator : 1808
 Smp Info : 1248,,1,1
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
..
6 AROCLOR-1248			CAS #: 12672-29-6			
2.720	2.722	(-0.002)	150445 0.10000	0.1394	75.00- 125.00	100.00
3.669	3.671	(-0.002)	326467 0.10000	0.1343	166.54- 277.56	217.00
4.094	4.098	(-0.004)	315426 0.10000	0.1304	164.22- 273.70	209.66
4.431	4.433	(-0.002)	285387 0.10000	0.1317	147.01- 245.01	189.70
4.974	4.977	(-0.003)	161295 0.10000	0.1363	80.79- 134.66	107.21
Average of Peak Amounts =			0.134			

Data File: \\parrnet04\dd\chem\GCSS\ad2p4.1\0203151C-2.B\01381301.D

Date: 15-APR-2002 07:00

Client ID:

Sample Info: 1248, 1, 1

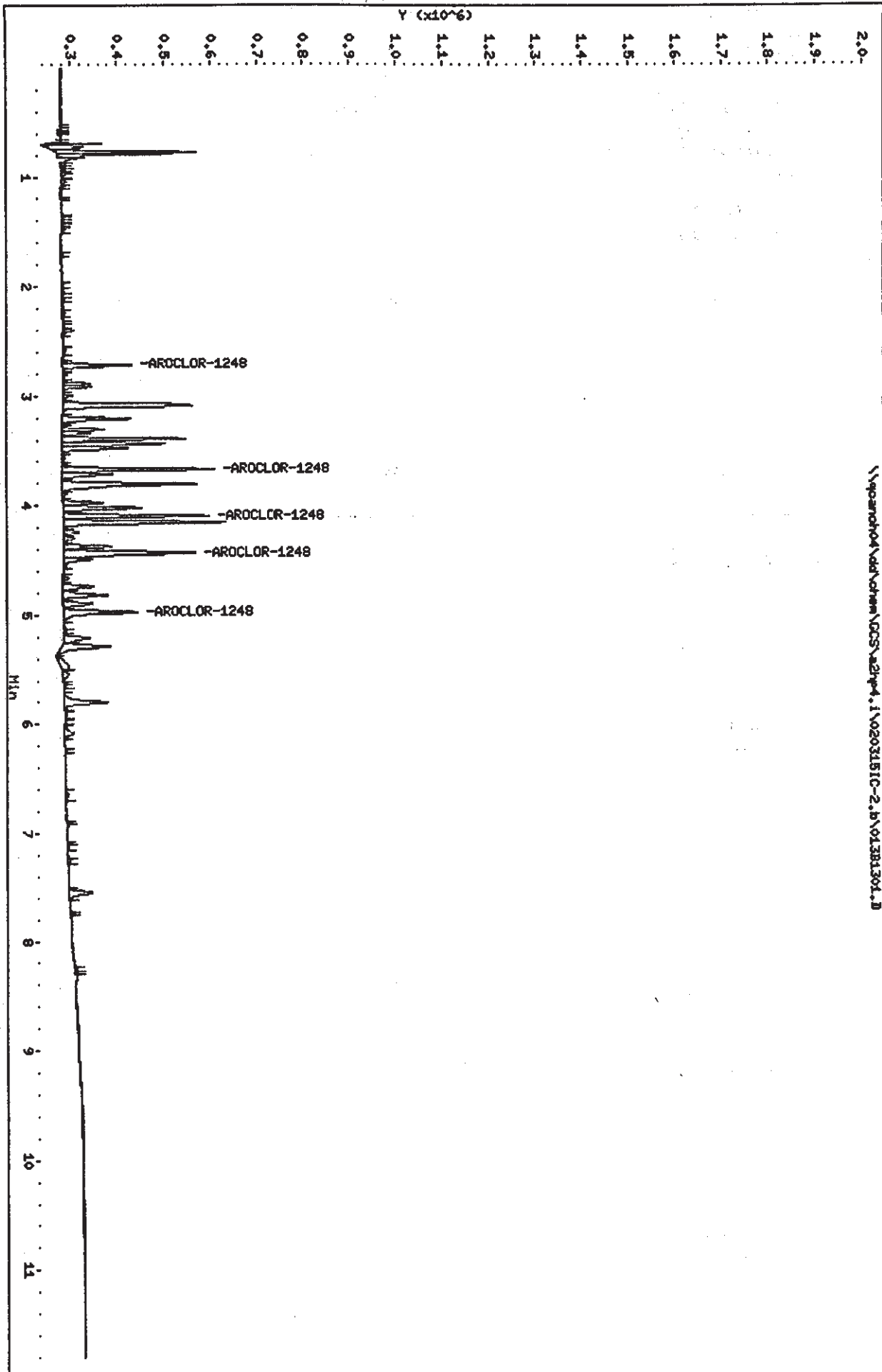
Column phase: restek past c/p1

Instrument: ad2p4.1

Operator: 1808

Column diameter: 0.53

\\parrnet04\dd\chem\GCSS\ad2p4.1\0203151C-2.B\01381301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\014B1401.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\014B1401.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:16
 Operator : 1808
 Smp Info : 1248,,1,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.721	2.722	(-0.001)	253247	0.20000	0.2235 75.00- 125.00	100.00
3.669	3.671	(-0.002)	544334	0.20000	0.2157 166.54- 277.56	214.94
4.095	4.098	(-0.003)	545939	0.20000	0.2170 164.22- 273.70	215.58
4.432	4.433	(-0.001)	487563	0.20000	0.2160 147.01- 245.01	192.52
4.976	4.977	(-0.001)	276354	0.20000	0.2226 80.79- 134.66	109.12
Average of Peak Amounts =			0.219			

Data File: \\gsancho4\vd\chem\GC5\azp4.1\020315IC-2.B\01481401.D

Date : 15-NOV-2002 07:16

Client ID:

Sample Info: 1248,1,2

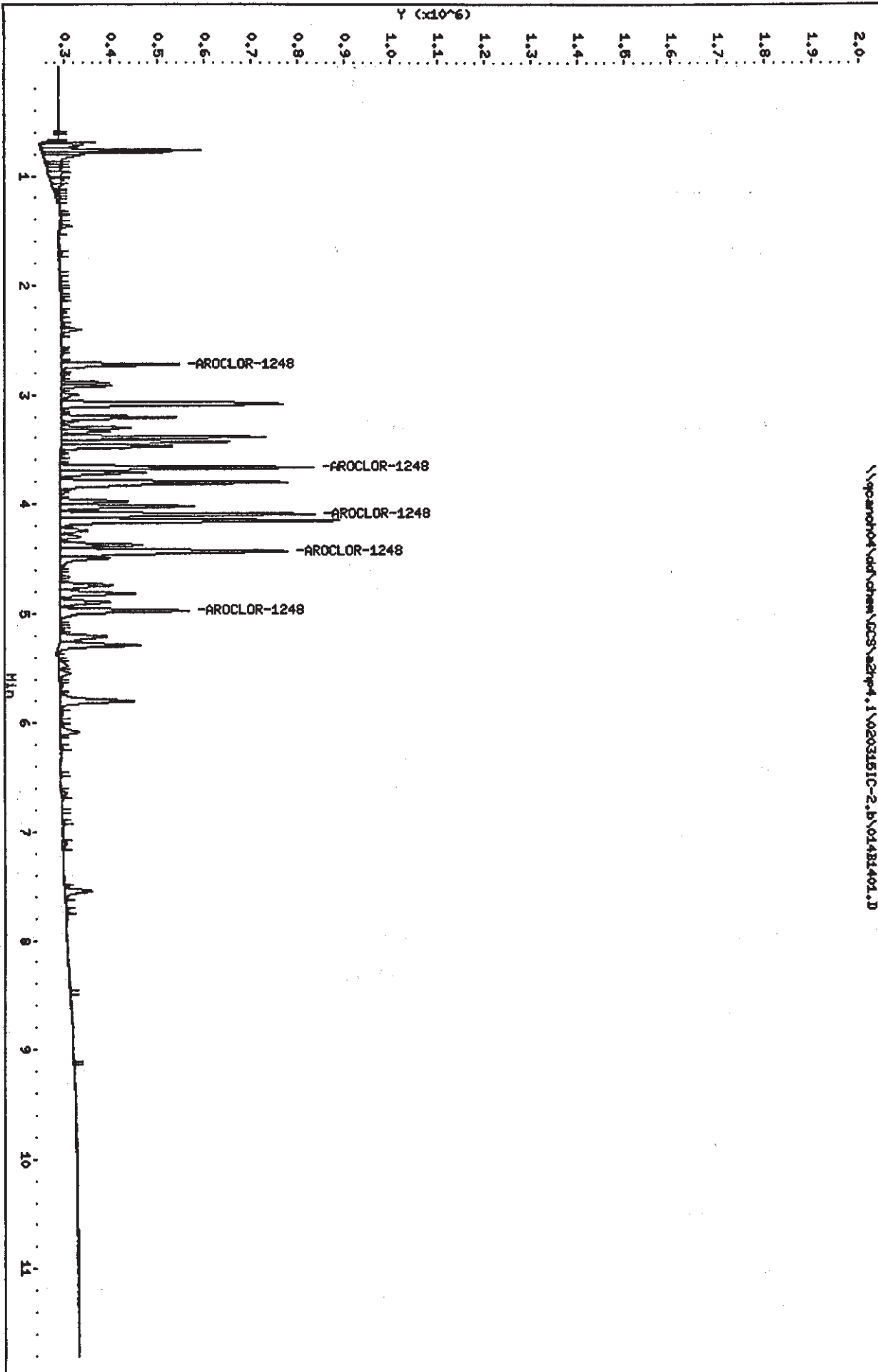
Column phase: restek pest c1p1

Instrument: azp4.1

Operator: 1808

Column diameter: 0.53

\\gsancho4\vd\chem\GC5\azp4.1\020315IC-2.B\01481401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\015B1501.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\015B1501.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:33
 Operator : 1808
 Smp Info : 1248,,1,3
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	
6 AROCLOR-1248					CAS #: 12672-29-6		
2.721	2.722	(-0.001)	622600	0.50000	0.5332 75.00- 125.00	100.00	
3.670	3.671	(-0.001)	1382482	0.50000	0.5316 166.54- 277.56	222.05	
4.096	4.098	(-0.002)	1363251	0.50000	0.5262 164.22- 273.70	218.96	
4.432	4.433	(-0.001)	1220350	0.50000	0.5230 147.01- 245.01	196.01	
4.976	4.977	(-0.001)	670698	0.50000	0.5219 80.79- 134.66	107.73	
Average of Peak Amounts =					0.527		

Data File: \\qpcr04\vd\chem\CCS\azhp4.1\020315IC-2.B\015B1501.D

Date: 15-HAR-2002 07:33

Client ID:

Sample Info: 1248, 1, 3

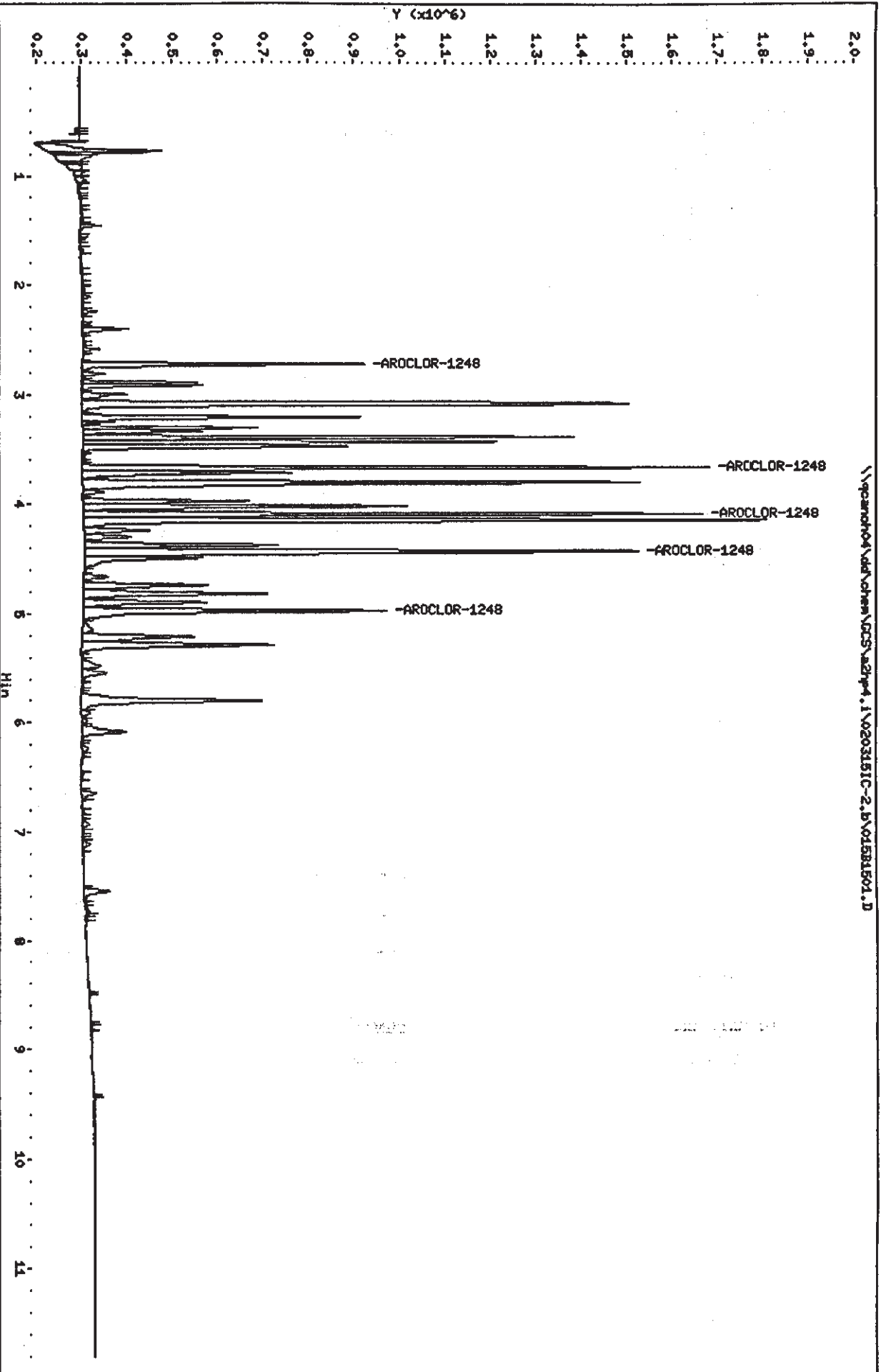
Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest o/p1

\\qpcr04\vd\chem\CCS\azhp4.1\020315IC-2.B\015B1501.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\016B1601.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\016B1601.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:49
 Operator : 1808
 Smp Info : 1248,,1,4
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.721	2.722	(-0.001)	1137711	1.00000	0.9374 75.00- 125.00	100.00
3.671	3.671	(0.000)	2555078	1.00000	0.9489 166.54- 277.56	224.58
4.097	4.098	(-0.001)	2554845	1.00000	0.9536 164.22- 273.70	224.56
4.434	4.433	(0.001)	2344108	1.00000	0.9680 147.01- 245.01	206.04
4.978	4.977	(0.001)	1281221	1.00000	0.9580 80.79- 134.66	112.61
Average of Peak Amounts =			0.953			

Data File: \\gsarc04\dd\chem\GCS\adp4.1\020318IC-2.b\01681601.D

Date: 15-SEP-2002 07:49

Client ID:

Sample Info: 1249,1,4

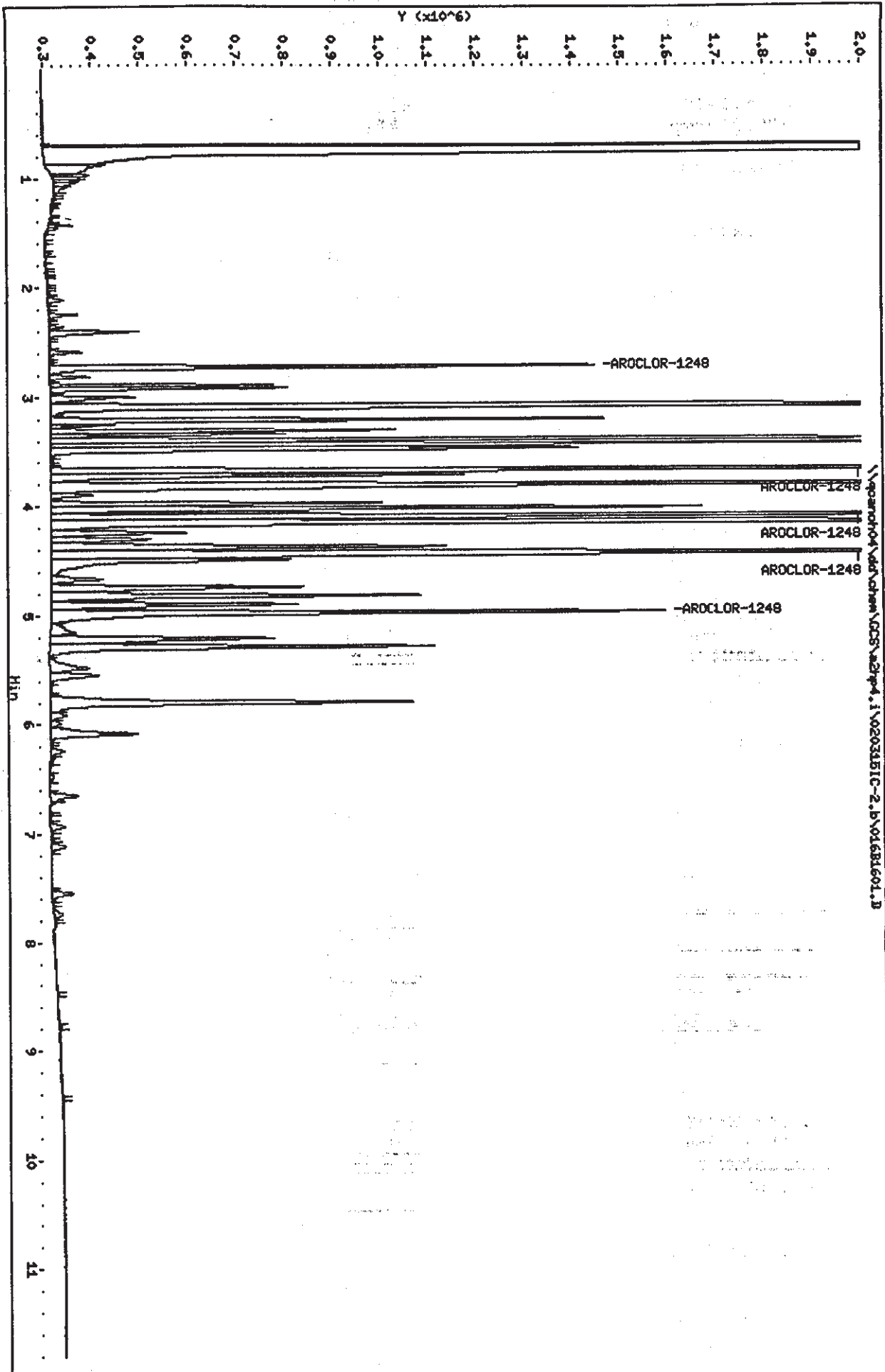
Column phase: restek part o/p1

Instrument: adp4.1

Operator: 1908

Column diameter: 0.53

\\gsarc04\dd\chem\GCS\adp4.1\020318IC-2.b\01681601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\017B1701.D
Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\017B1701.D
Lab Smp Id: 1248
Inj Date : 15-MAR-2002 08:06
Operator : 1808
Smp Info : 1248,,1,5
Misc Info : 3-AR1248.sub
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
Meth Date : 18-Mar-2002 07:54 molm
Cal Date : 02-MAR-2002 12:22
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: QCANOH05
Inst ID: a2hp4.i
Quant Type: ESTD
Cal File: 027B2701.D
Calibration Sample, Level: 5
Compound Sublist: 3-AR1248.sub
Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
--	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.722	2.722	(0.000)	2289268	2.00000	1.817 75.00- 125.00	100.00
3.671	3.671	(0.000)	5231633	2.00000	1.879 166.54- 277.56	228.53
4.098	4.098	(0.000)	5272984	2.00000	1.910 164.22- 273.70	230.33
4.433	4.433	(0.000)	4839019	2.00000	1.936 147.01- 245.01	211.38
4.977	4.977	(0.000)	2596769	2.00000	1.877 80.79- 134.66	113.43
Average of Peak Amounts =				1.88		

Data File: \\gapanth04\dd\chem\GCS\ad2p4.1\020315IC-2.B\01781701.D

Date: 15-MAR-2002 08:06

Client ID:

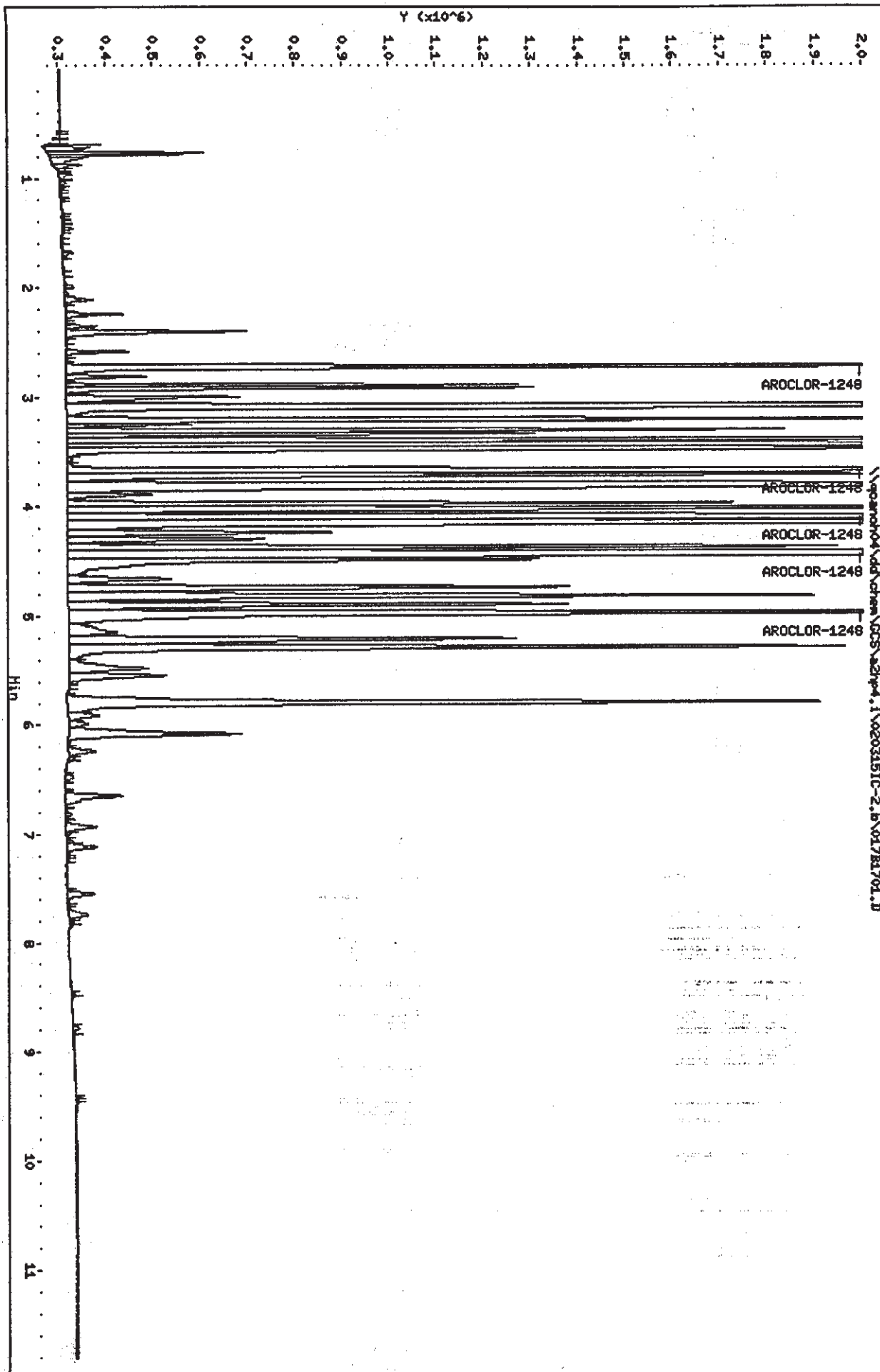
Sample Info: 1248,1,5

Column phase: reactek pest o1p1

Instrument: ad2p4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\018B1801.D
 Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\018B1801.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:22
 Operator : 1808
 Smp Info : 2154,,1,1
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

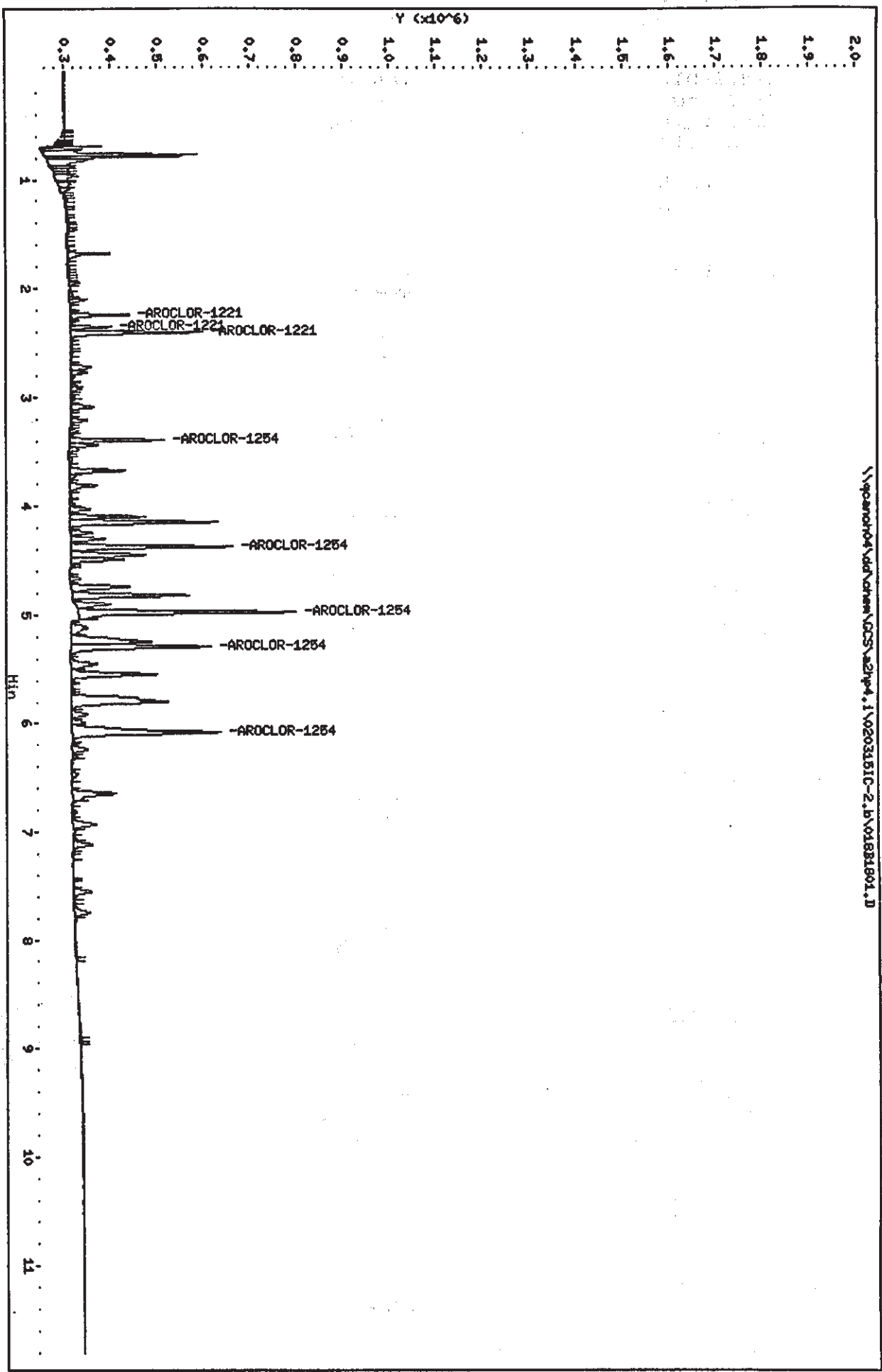
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.394	3.394	(0.000)	205336 0.10000	0.1338	75.00- 125.00	100.00
4.377	4.376	(0.001)	348134 0.10000	0.1303	128.85- 214.74	169.54
4.978	4.979	(-0.001)	468716 0.10000	0.1261	182.22- 303.70	228.27
5.292	5.291	(0.001)	303485 0.10000	0.1272	113.98- 189.96	147.80
6.085	6.085	(0.000)	322442 0.10000	0.1279	119.25- 198.75	157.03
Average of Peak Amounts =			0.129			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.242	2.241	(0.001)	128166 0.10000	0.1259	75.00- 125.00	100.00
2.353	2.352	(0.001)	86856 0.10000	0.1310	49.23- 82.05	67.77
2.402	2.401	(0.001)	285216 0.10000	0.1282	161.52- 269.20	222.54
Average of Peak Amounts =			0.128			

Data File: \\qpcr\04\dd\chem\GC5\2hp4.1\020315IC-2.B\01881801.D
Date: 15-MAR-2002 08:22
Client ID:
Sample Info: 2154,1.1
Column phase: restek pest clip1

Instrument: 22hp4.1
Operator: 1808
Column diameter: 0.53

\\qpcr\04\dd\chem\GC5\2hp4.1\020315IC-2.B\01881801.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\019B1901.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:39
 Operator : 1808
 Smp Info : 2154,,1,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Cal bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS										
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO		
7 AROCLOR-1254										
CAS #: 11097-69-1										
3.394	3.394	(0.000)	382632	0.20000	0.2345	75.00- 125.00	100.00			
4.375	4.376	(-0.001)	654356	0.20000	0.2320	128.85- 214.74	171.01			
4.978	4.979	(-0.001)	878204	0.20000	0.2246	182.22- 303.70	229.52			
5.290	5.291	(-0.001)	576894	0.20000	0.2290	113.98- 189.96	150.77			
6.084	6.085	(-0.001)	568280	0.20000	0.2166	119.25- 198.75	148.52			
Average of Peak Amounts =				0.227						

2 AROCLOR-1221										
CAS #: 11104-28-2										
2.242	2.241	(0.001)	257165	0.20000	0.2376	75.00- 125.00	100.00			
2.353	2.352	(0.001)	170208	0.20000	0.2401	49.23- 82.05	66.19			
2.402	2.401	(0.001)	557799	0.20000	0.2364	161.52- 269.20	216.90			
Average of Peak Amounts =				0.238						

Data File: \\ppanorh04\add\ntchem\GC5\az2hp4.1\020315IC-2.p\019191901.D

Date: 15-MAR-2002 08:39

Client ID:

Sample Info: 2154,1,2

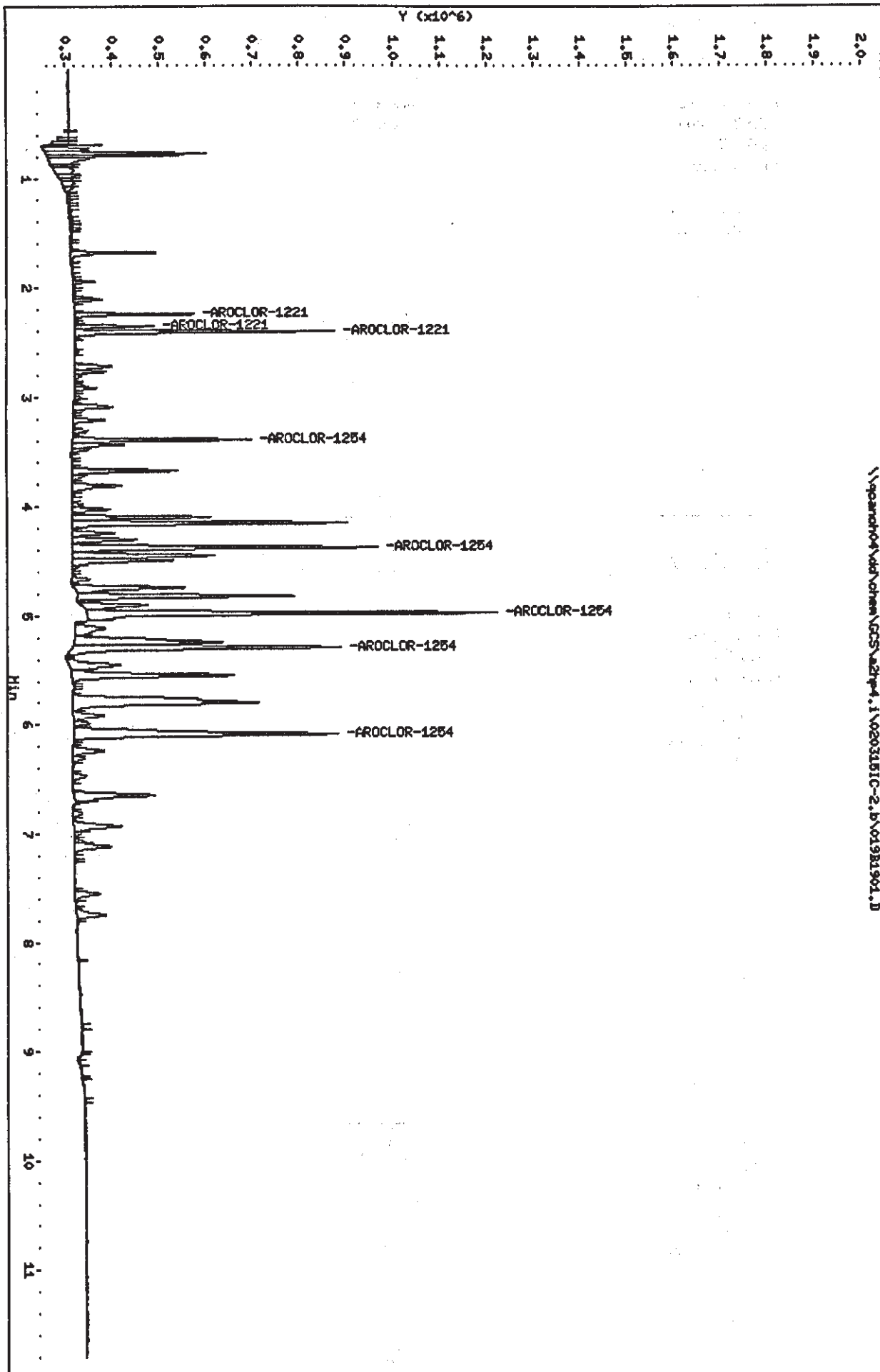
Column phase: nestak pest clip

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\020B2001.D
 Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\020B2001.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:55
 Operator : 1808
 Smp Info : 2154,,1,3
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254					CAS #: 11097-69-1				
3.394	3.394	(0.000)	873985	0.50000	0.5112	75.00- 125.00	100.00		
4.377	4.376	(0.001)	1501456	0.50000	0.5086	128.85- 214.74	171.79		
4.979	4.979	(0.000)	2123429	0.50000	0.5188	182.22- 303.70	242.96		
5.292	5.291	(0.001)	1328192	0.50000	0.5047	113.98- 189.96	151.97		
6.086	6.085	(0.001)	1389637	0.50000	0.5069	119.25- 198.75	159.00		
Average of Peak Amounts =					0.51				

2 AROCLOR-1221					CAS #: 11104-28-2				
2.242	2.241	(0.001)	586835	0.50000	0.5200	75.00- 125.00	100.00		
2.353	2.352	(0.001)	385201	0.50000	0.5197	49.23- 82.05	65.64		
2.402	2.401	(0.001)	1263794	0.50000	0.5149	161.52- 269.20	215.36		
Average of Peak Amounts =					0.518				

Data File: \\gsancho4\dd\chem\GC5\22\p4.1\020315IC-2.b\02082001.D

Date: 15-MAR-2002 08:55

Client ID:

Sample Infol: 2154,1,3

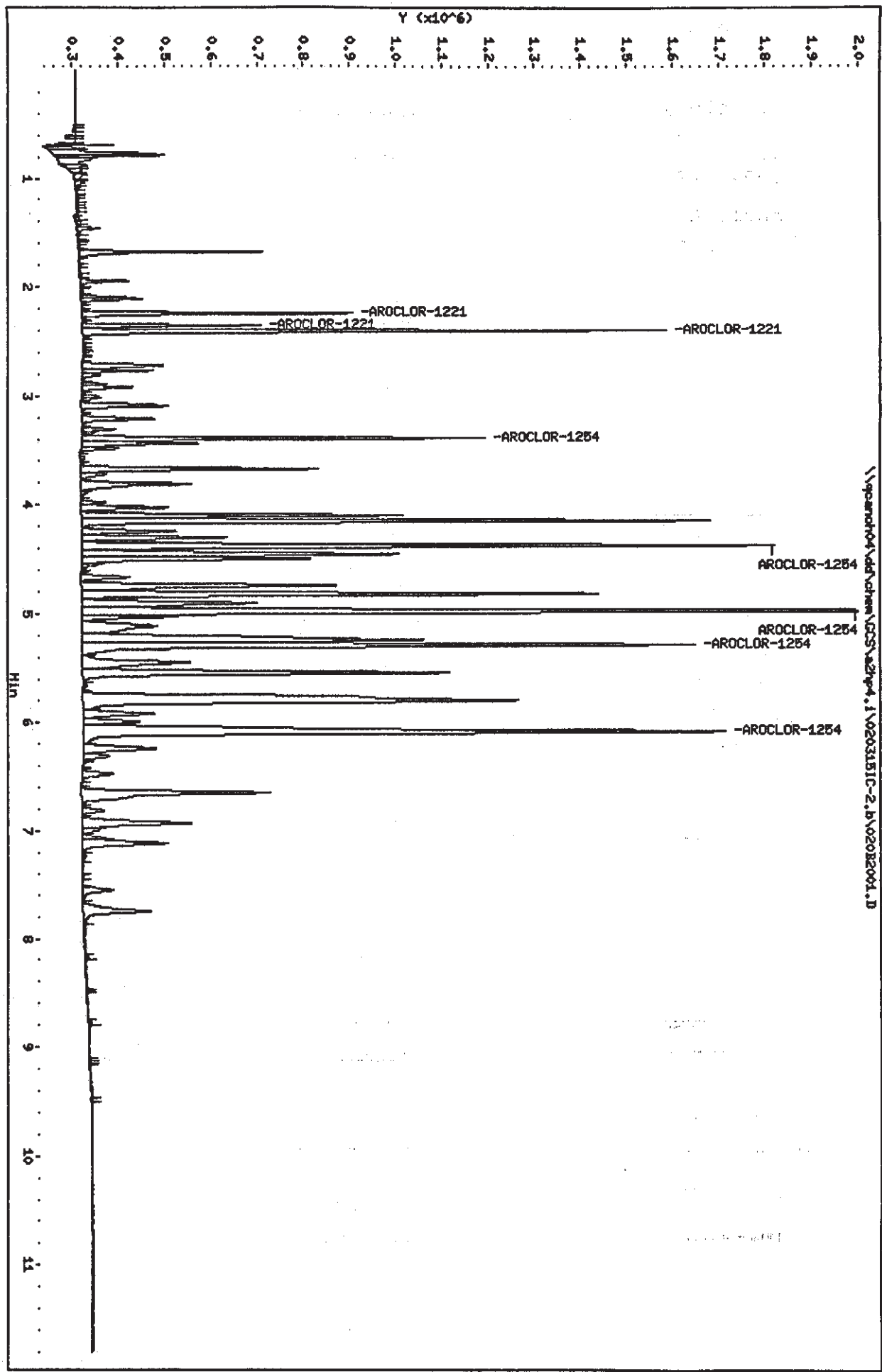
Column phase: restek pest c1p1

Instrument: a2hp4.1

Operator: 1808

Column diameter: 0.53

\\gsancho4\dd\chem\GC5\22\p4.1\020315IC-2.b\02082001.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\021B2101.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 09:12
 Operator : 1808
 Smp Info : 2154,,1,4
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

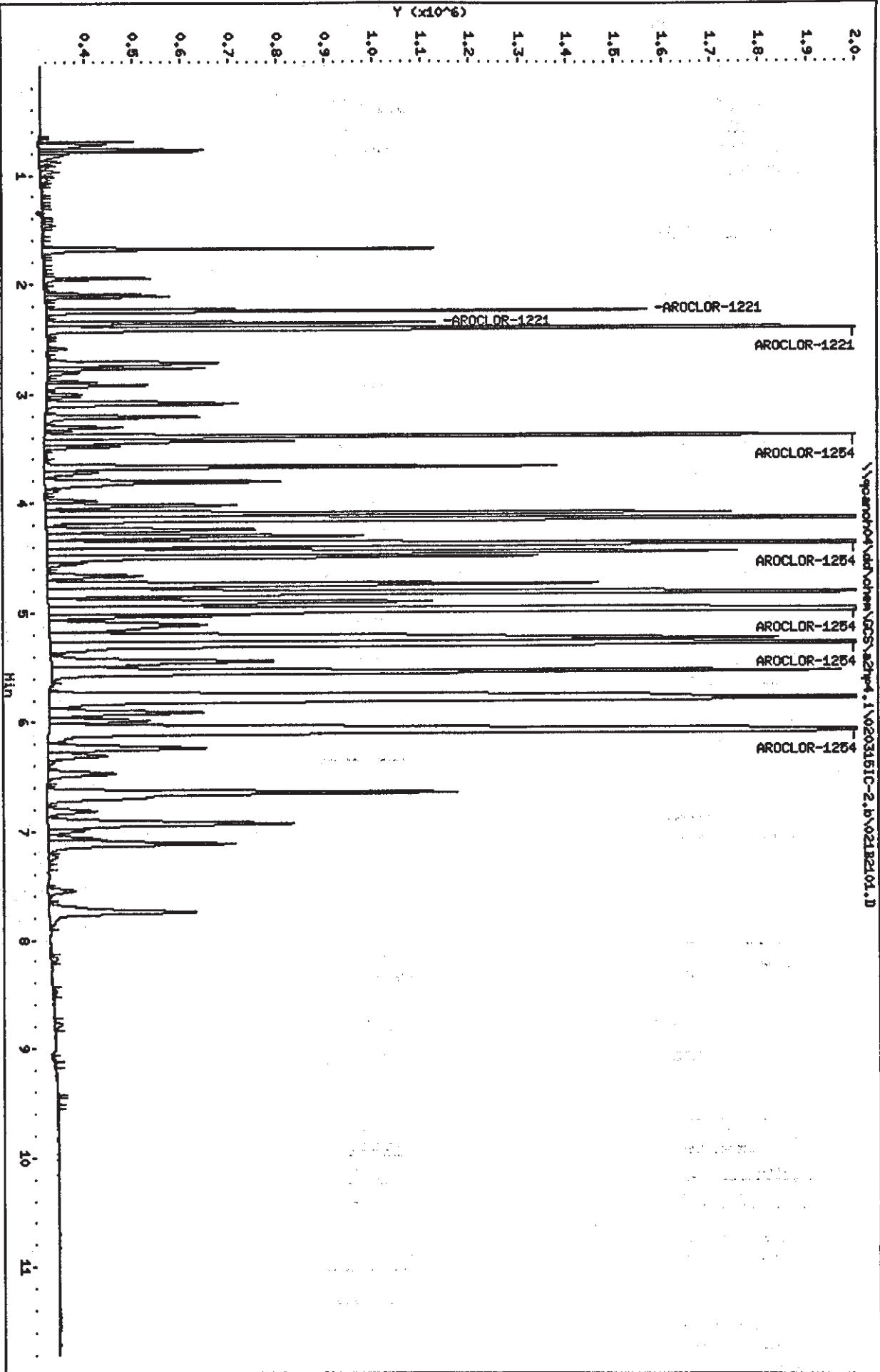
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.393	3.394	(-0.001)	1803616	1.00000	0.9980 75.00- 125.00	100.00
4.375	4.376	(-0.001)	3134223	1.00000	1.003 128.85- 214.74	173.77
4.978	4.979	(-0.001)	4465986	1.00000	1.028 182.22- 303.70	247.61
5.290	5.291	(-0.001)	2807681	1.00000	1.012 113.98- 189.96	155.67
6.084	6.085	(-0.001)	2810941	1.00000	0.9852 119.25- 198.75	155.85
Average of Peak Amounts =			1.01			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.242	2.241	(0.001)	1250654	1.00000	1.042 75.00- 125.00	100.00
2.352	2.352	(0.000)	807840	1.00000	1.026 49.23- 82.05	64.59
2.402	2.401	(0.001)	2630307	1.00000	1.015 161.52- 269.20	210.31
Average of Peak Amounts =			1.03			

Data File: \\qpcr04\dd\chem\GC5\2hp4.1\020315IC-2.b\02182101.D
Date: 15-MAR-2002 09:12
Client ID:
Sample Info: 2154,1,4

Column phase: restek pest clp1

Instrument: 22hp4.1
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\022B2201.D
 Report Date: 18-Mar-2002 07:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\022B2201.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 09:28
 Operator : 1808
 Smp Info : 2154,,1,5
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

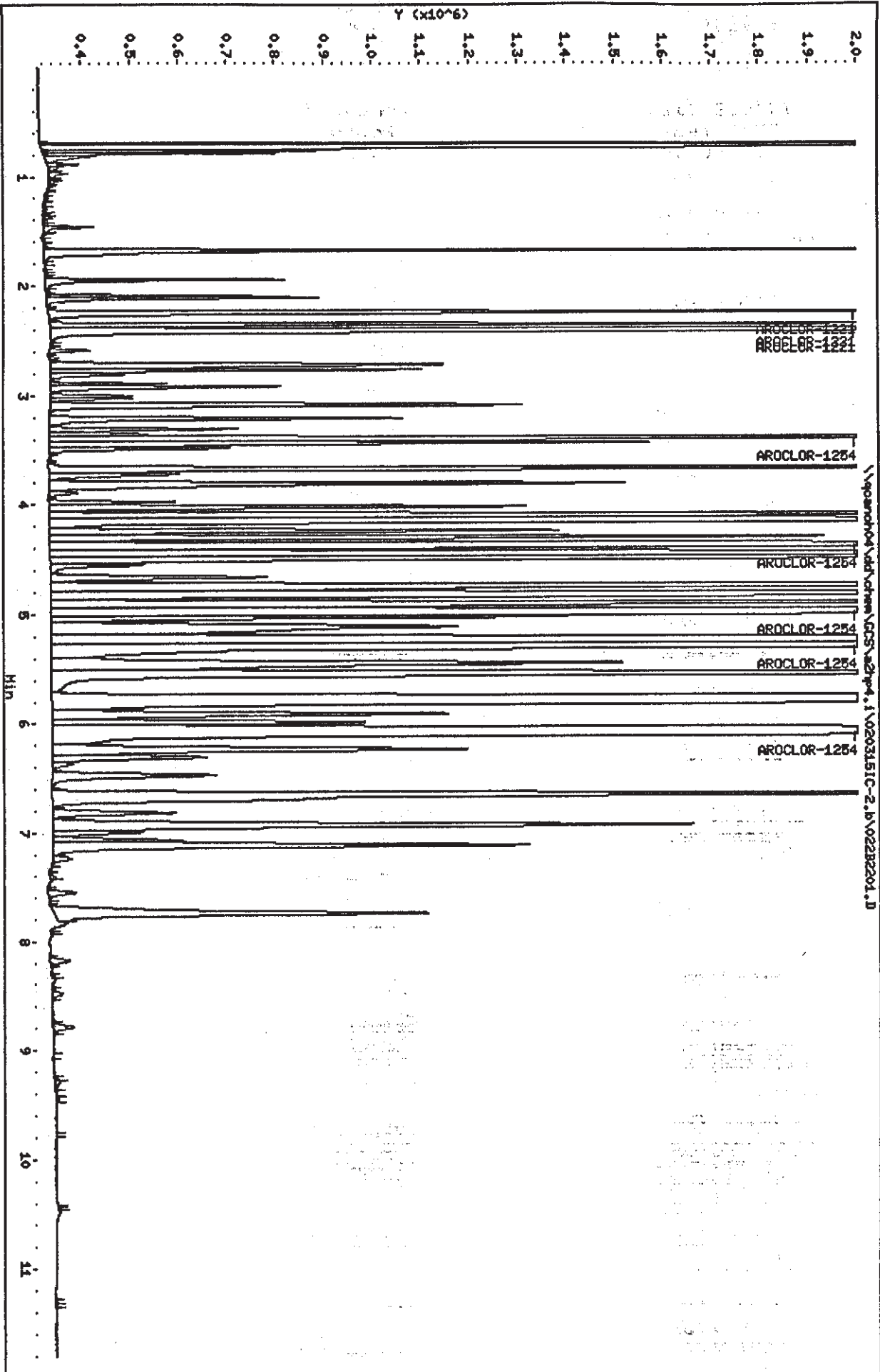
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254 CAS #: 11097-69-1						
3.394	3.394	(0.000)	4301843 2.00000	2.224	75.00- 125.00	100.00
4.376	4.376	(0.000)	7693245 2.00000	2.298	128.85- 214.74	178.84
4.979	4.979	(0.000)	11084586 2.00000	2.375	182.22- 303.70	257.67
5.291	5.291	(0.000)	7153130 2.00000	2.391	113.98- 189.96	166.28
6.085	6.085	(0.000)	7506628 2.00000	2.436	119.25- 198.75	174.50
Average of Peak Amounts =				2.34		

2 AROCLOR-1231 CAS #: 11104-28-2						
2.241	2.241	(0.000)	2831145 2.00000	2.209	75.00- 125.00	100.00
2.352	2.352	(0.000)	1798065 2.00000	2.142	49.23- 82.05	63.51
2.401	2.401	(0.000)	5873823 2.00000	2.138	161.52- 269.20	207.47
Average of Peak Amounts =				2.16		

Data File: \\qparn04\vd\chem\GC5\adhp4.1\0203151C-2.b\02282201.D
Date: 15-MAR-2002 09:28
Client ID:
Sample Info: 2154,1,5
Column phase: restek pest o/p1

Instrument: adhp4.1
Operator: 1808
Column diameter: 0.63



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 09:45
 Operator : 1808
 Smp Info : 1660,,1,1
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 09:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
---	-----	-----	-----	-----	-----	-----	

\$ 1	TCMX				CAS #: 877-09-8		
2.022	2.024	(-0.002)	673121	0.00500	0.005937		

3 AROCLOR-1016							
					CAS #: 12674-11-2		
2.402	2.403	(-0.001)	217185	0.10000	0.1334	75.00- 125.00	100.00
2.722	2.723	(-0.001)	316243	0.10000	0.1335	109.37- 182.29	145.61
3.094	3.095	(-0.001)	547408	0.10000	0.1255	197.28- 328.81	252.05
3.212	3.213	(-0.001)	299548	0.10000	0.1318	104.86- 174.76	137.92
3.307	3.307	(0.000)	201144	0.10000	0.1270	72.91- 121.51	92.61
Average of Peak Amounts =			0.13				

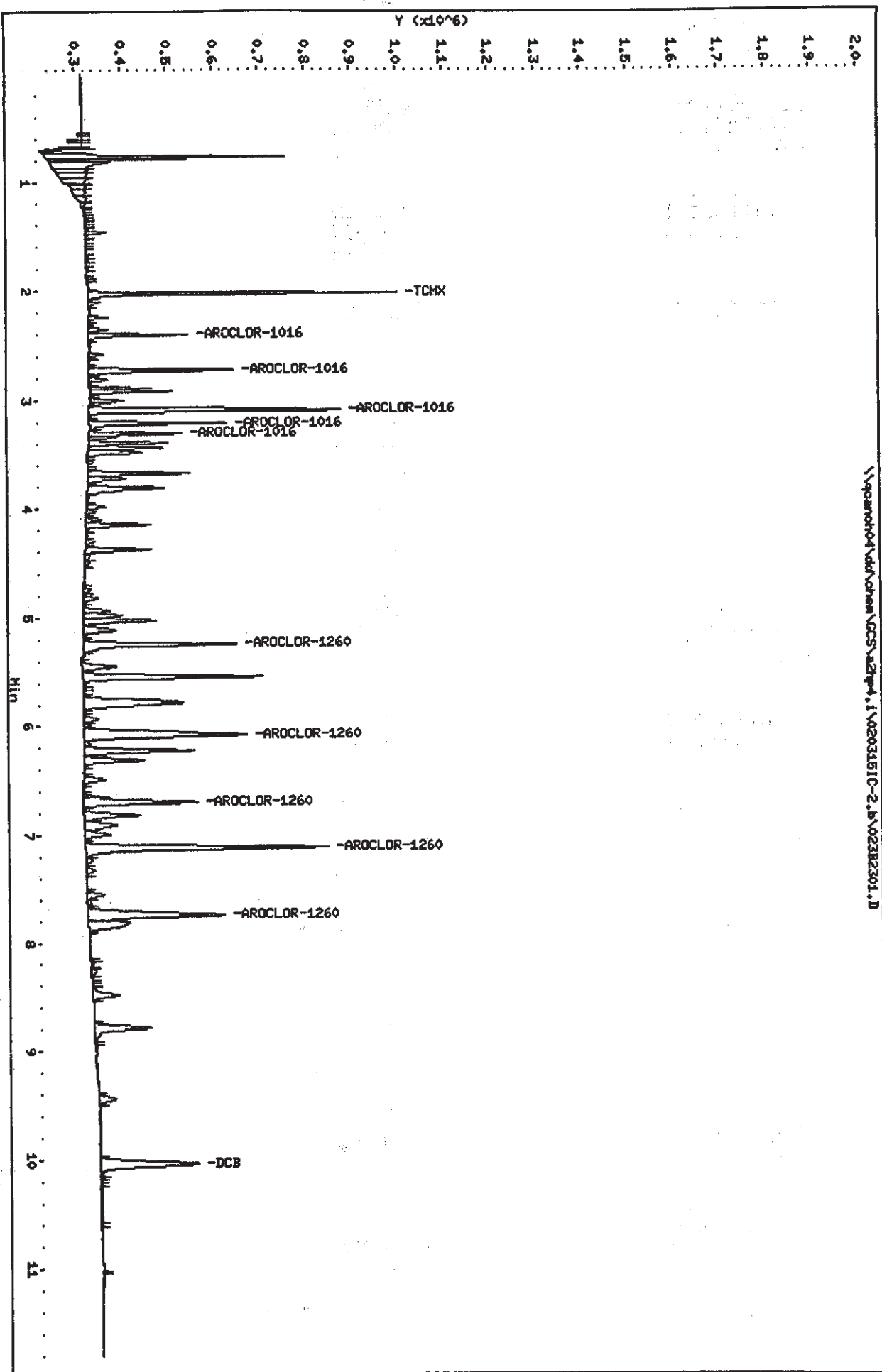
8 AROCLOR-1260							
					CAS #: 11096-82-5		
5.245	5.245	(0.000)	334979	0.10000	0.1336	75.00- 125.00	100.00
6.083	6.081	(0.002)	352851	0.10000	0.1325	81.06- 135.11	105.34
6.695	6.694	(0.001)	247794	0.10000	0.1331	55.19- 91.98	73.97
7.114	7.114	(0.000)	530275	0.10000	0.1302	122.47- 204.11	158.30
7.743	7.742	(0.001)	297999	0.10000	0.1311	68.47- 114.12	88.96
Average of Peak Amounts =			0.132				

9 DCB							
					CAS #: 2051-24-3		
10.038	10.036	(0.002)	215241	0.00500	0.006419		

Data File: \\qpcan04\vd\chrom\GCS\adip4.1\020315IC-2.b\02382301.D
Date: 15-MAR-2002 09:45
Client ID:
Sample Info: 1660,1,1
Column phase: restek pest c1p1

Instrument: adip4.1
Operator: 1808
Column diameter: 0.53

\\qpcan04\vd\chrom\GCS\adip4.1\020315IC-2.b\02382301.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\024B2401.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:01
 Operator : 1808
 Smp Info : 1660,,1,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:01
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----

# 1 TCMX					CAS #: 877-09-8	
2.023	2.024	(-0.001)	1222652	0.01000	0.01048	

3 AROCLOR-1016						
					CAS #: 12674-11-2	
2.402	2.403	(-0.001)	368032	0.20000	0.2180 75.00- 125.00	100.00
2.723	2.723	(0.000)	550770	0.20000	0.2230 109.37- 182.29	149.65
3.094	3.095	(-0.001)	951234	0.20000	0.2112 197.28- 328.81	258.47
3.213	3.213	(0.000)	510536	0.20000	0.2159 104.86- 174.76	138.72
3.307	3.307	(0.000)	347952	0.20000	0.2116 72.91- 121.51	94.54
Average of Peak Amounts =					0.216	

8 AROCLOR-1260						
					CAS #: 11096-82-5	
5.246	5.245	(0.001)	572719	0.20000	0.2189 75.00- 125.00	100.00
6.084	6.081	(0.003)	614456	0.20000	0.2199 81.06- 135.11	107.29
6.694	6.694	(0.000)	421888	0.20000	0.2174 55.19- 91.98	73.66
7.114	7.114	(0.000)	909098	0.20000	0.2141 122.47- 204.11	158.73
7.743	7.742	(0.001)	519659	0.20000	0.2187 68.47- 114.12	90.74
Average of Peak Amounts =					0.218	

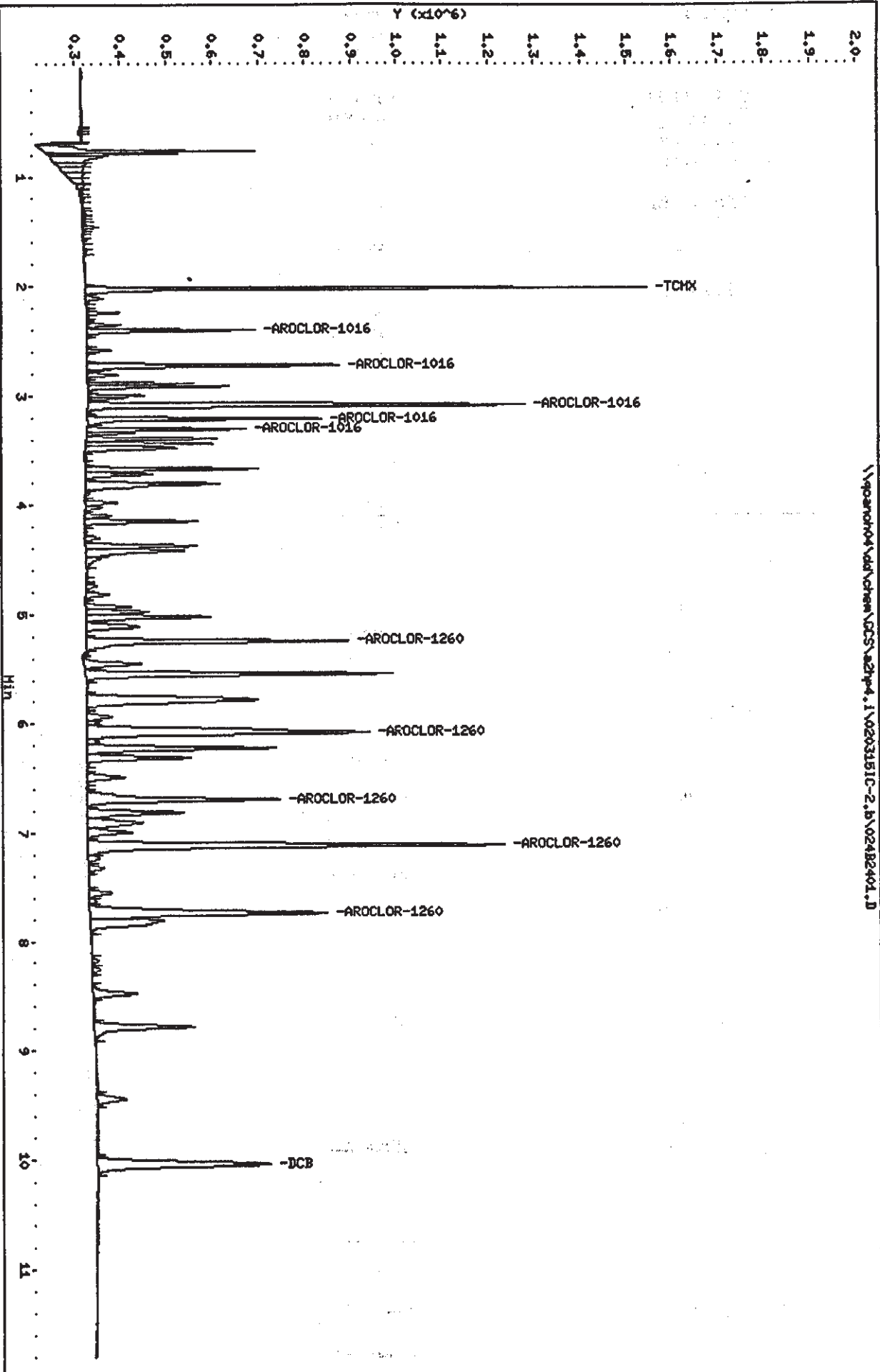
# 9 DCB						
					CAS #: 2051-24-3	
10.039	10.036	(0.003)	378880	0.01000	0.01092	

Data File: \\qpcan004\dd\chem\GC5\azhp4.1\020315IC-2.b\024B2401.D
Date: 15-10R-2002 10:01
Client ID:
Sample Info: 1660,1,2

Column phase: restek pest c1p1

Instrument: azhp4.1
Operator: LB08
Column diameter: 0.53

\\qpcan004\dd\chem\GC5\azhp4.1\020315IC-2.b\024B2401.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\025B2501.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:18
 Operator : 1808
 Smp Info : 1660,,1,3
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:18
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

§ 1 TCMX			CAS #: 877-09-8			
2.022	2.024	(-0.002)	3076060	0.02500	0.02574	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.402	2.403	(-0.001)	889465	0.50000	0.5110 75.00- 125.00	100.00
2.723	2.723	(0.000)	1345276	0.50000	0.5236 109.37- 182.29	151.25
3.095	3.095	(0.000)	2432412	0.50000	0.5216 197.28- 328.81	273.47
3.212	3.213	(-0.001)	1277366	0.50000	0.5205 104.86- 174.76	143.61
3.307	3.307	(0.000)	878062	0.50000	0.5162 72.91- 121.51	98.72
Average of Peak Amounts			0.519			

8 AROCLOR-1260			CAS #: 11096-82-5			
5.246	5.245	(0.001)	1454203	0.50000	0.5307 75.00- 125.00	100.00
6.082	6.081	(0.001)	1566325	0.50000	0.5347 81.06- 135.11	107.71
6.696	6.694	(0.002)	1079526	0.50000	0.5323 55.19- 91.98	74.23
7.115	7.114	(0.001)	2339799	0.50000	0.5270 122.47- 204.11	160.90
7.743	7.742	(0.001)	1316380	0.50000	0.5294 68.47- 114.12	90.52
Average of Peak Amounts =			0.531			

§ 9 DCB			CAS #: 2051-24-3			
10.039	10.036	(0.003)	943543	0.02500	0.02624	

Data File: \\parrnet04\dd\chem\CCS\27pt4.1\0203151C-2.B\025B2504.D

Date: 15-APR-2002 10:18

Client ID:

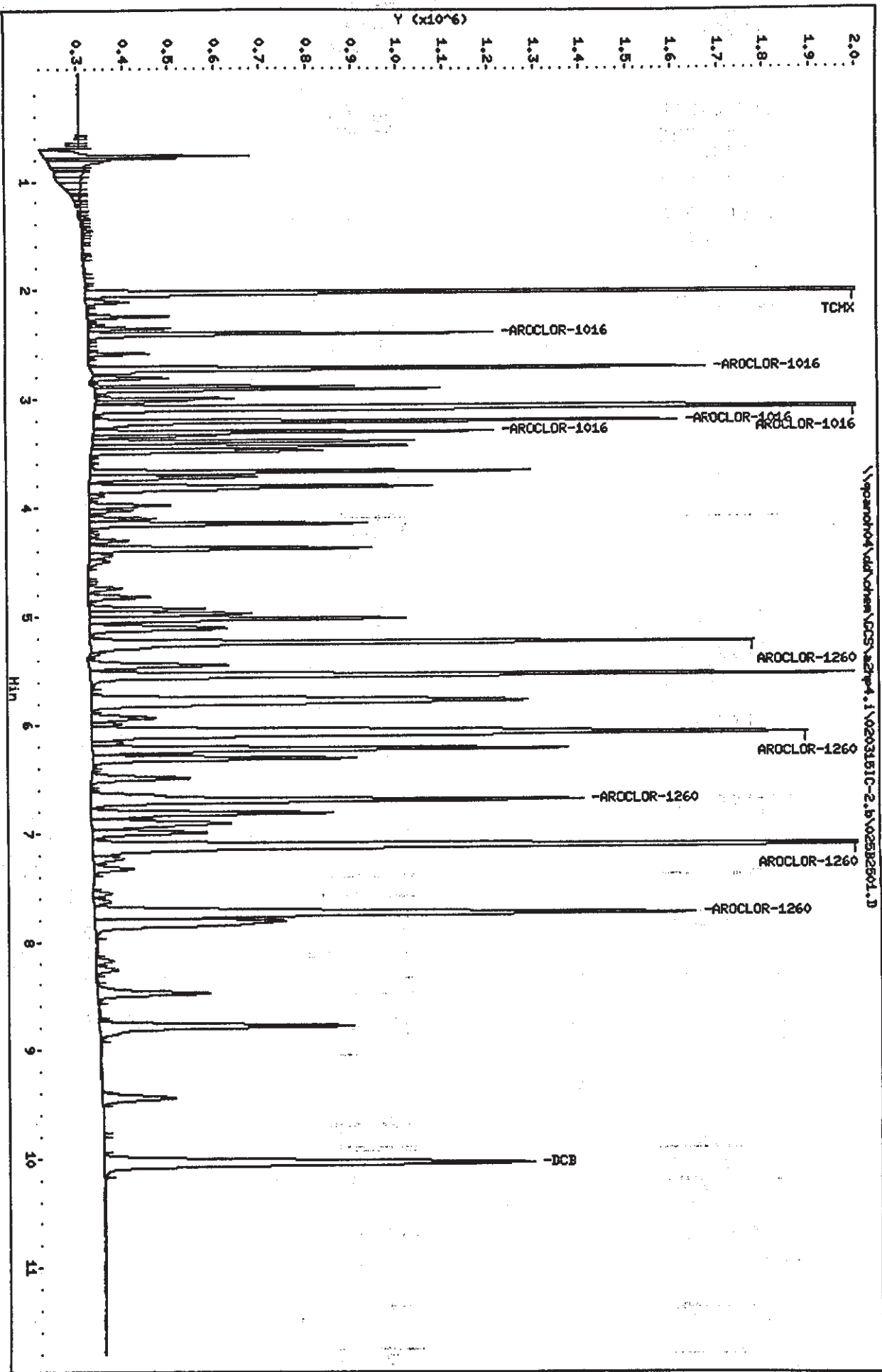
Sample Info: 1660,1,3

Column phase: restek pest o/p1

Instrument: 27pt4.1

Operator: 1908

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\026B2601.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:34
 Operator : 1808
 Smp Info : 1660,,1,4
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:34
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----		

§ 1 TCX					CAS #: 877-09-8				
2.023	2.024	(-0.001)	6505645	0.05000	0.05273				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.402	2.403	(-0.001)	1801277	1.00000	1.000	75.00- 125.00	100.00		
2.723	2.723	(0.000)	2694107	1.00000	1.008	109.37- 182.29	149.57		
3.096	3.095	(0.001)	4946817	1.00000	1.027	197.28- 328.81	274.63		
3.213	3.213	(0.000)	2638705	1.00000	1.032	104.86- 174.76	146.49		
3.308	3.307	(0.001)	1845190	1.00000	1.044	72.91- 121.51	102.44		
Average of Peak Amounts =					1.02				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.246	5.245	(0.001)	2916831	1.00000	1.019	75.00- 125.00	100.00		
6.084	6.081	(0.003)	3111784	1.00000	1.016	81.06- 135.11	106.68		
6.696	6.694	(0.002)	2140533	1.00000	1.012	55.19- 91.98	73.39		
7.115	7.114	(0.001)	4753523	1.00000	1.029	122.47- 204.11	162.97		
7.742	7.742	(0.000)	2639373	1.00000	1.018	68.47- 114.12	90.49		
Average of Peak Amounts =					1.02				

§ 9 PCB					CAS #: 2051-24-3				
10.037	10.036	(0.001)	1869846	0.05000	0.05012				

Data File: \\qpcrnet04\dd\chem\GCS\adhp4.1\020315IC-2.b\02682601.D

Date: 15-MAR-2002 10:34

Client ID:

Sample Info: 1660,1,4

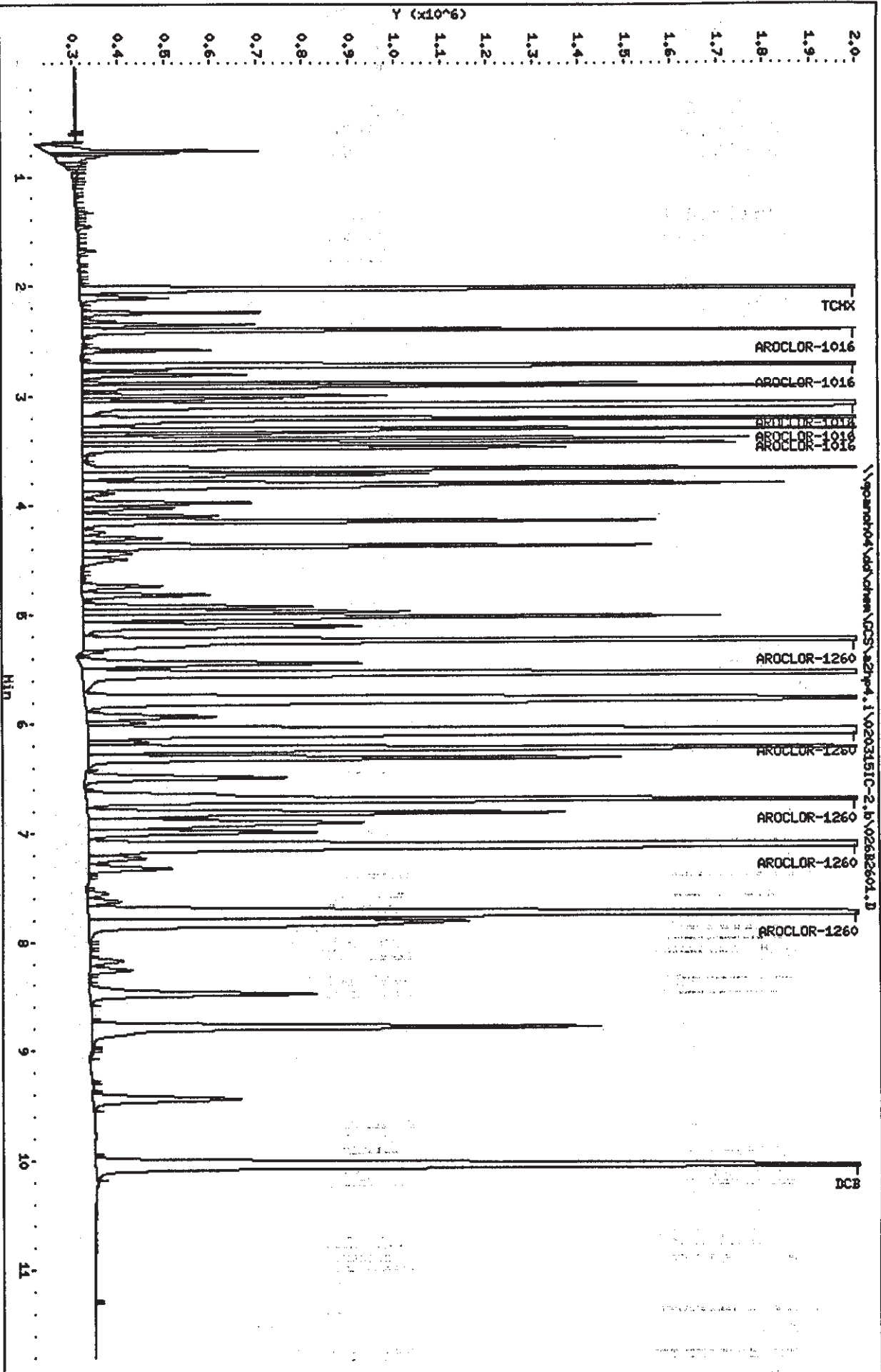
Instrument: adhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest o/p1

\\qpcrnet04\dd\chem\GCS\adhp4.1\020315IC-2.b\02682601.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\027B2701.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:51
 Operator : 1808
 Smp Info : 1660,,1,5
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

# 1 TCMX CAS #: 877-09-8							
2.022	2.024	(-0.002)	12305753	0.10000	0.09719		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.402	2.403	(-0.001)	3341750	2.00000	1.804	75.00- 125.00	100.00
2.723	2.723	(0.000)	4990216	2.00000	1.808	109.37- 182.29	149.33
3.095	3.095	(0.000)	9673127	2.00000	1.944	197.28- 328.81	289.46
3.213	3.213	(0.000)	5063762	2.00000	1.907	104.86- 174.76	151.53
3.307	3.307	(0.000)	3634596	2.00000	1.982	72.91- 121.51	108.76
Average of Peak Amounts =						1.89	

8 AROCLOR-1260 CAS #: 11096-82-5							
5.245	5.245	(0.000)	5699817	2.00000	1.914	75.00- 125.00	100.00
6.084	6.081	(0.003)	6244123	2.00000	1.955	81.06- 135.11	109.55
6.695	6.694	(0.001)	4259834	2.00000	1.933	55.19- 91.98	74.74
7.114	7.114	(0.000)	9521232	2.00000	1.980	122.47- 204.11	167.04
7.743	7.742	(0.001)	5236724	2.00000	1.944	68.47- 114.12	91.88
Average of Peak Amounts =						1.95	

# 9 DCE CAS #: 2051-24-3							
10.840	10.036	(0.004)	3686648	0.10000	0.09554		

Data File: \\qparn04\vald\chem\GC5\azhp4.1\020315IC-2.b\02782701.D

Date: 15-Mar-2002 10:51

Client ID:

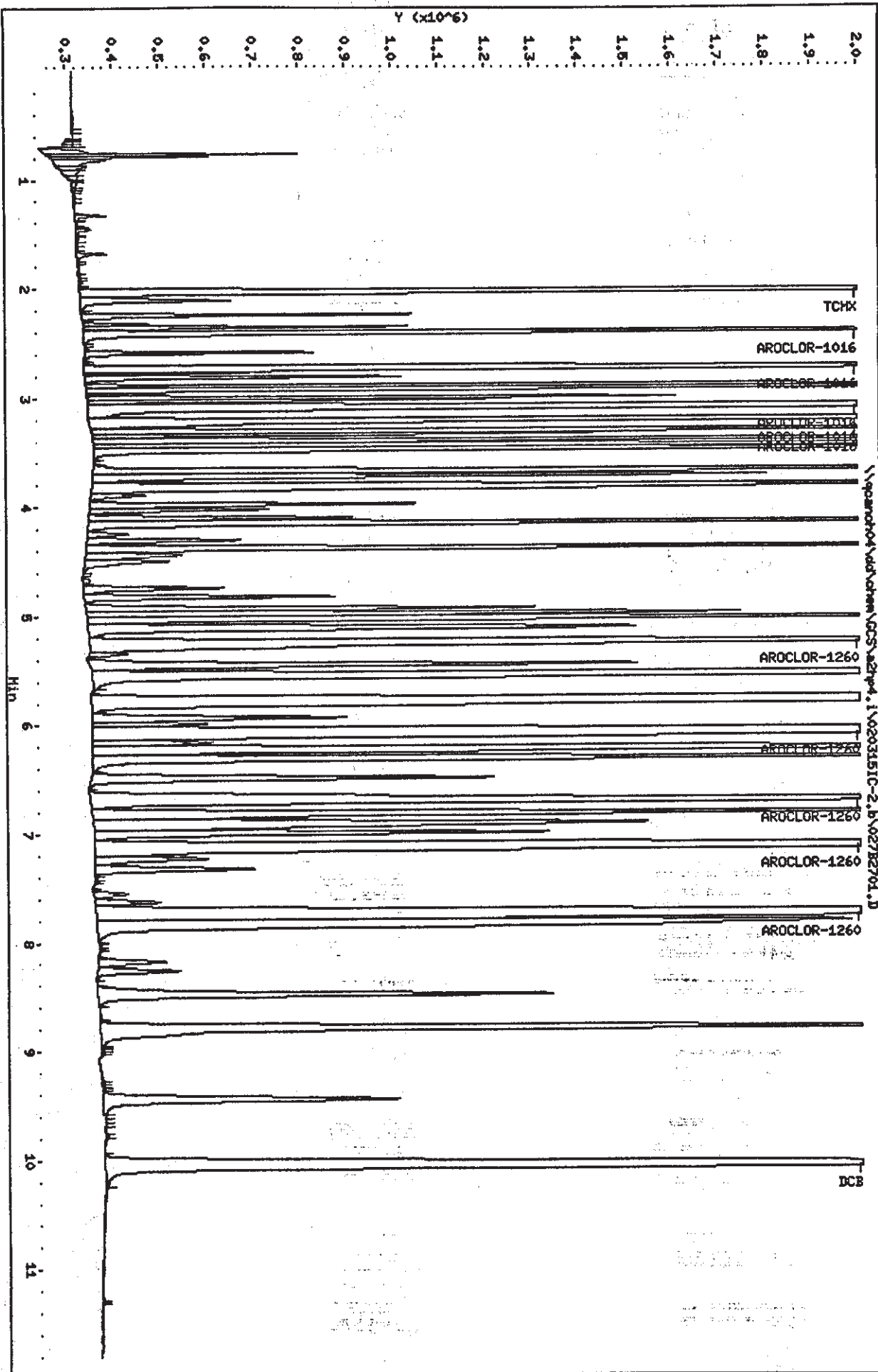
Sample Info: 1660,1,5

Column phase: restek pest alpi

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\028B2801.D
 Report Date: 15-Mar-2002 11:26

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-MAR-2002 11:08
 Lab File ID: 028B2801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: ICV Quant Type: ESTD
 Method: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122080	0.010	-99.9	15.0 <-
3 AROCLOR-1016 (1)	1852618	1945928	0.010	5.0	15.0
(2)	2759209	2837652	0.010	2.8	15.0
(3)	4975691	5118410	0.010	2.9	15.0
(4)	2654696	2720426	0.010	2.5	15.0
(5)	1833962	1891562	0.010	3.1	15.0
8 AROCLOR-1260 (1)	2977706	3105004	0.010	4.3	15.0
(2)	3193457	3356088	0.010	5.1	15.0
(3)	2203376	2284872	0.010	3.7	15.0
(4)	4808395	5070058	0.010	5.4	15.0
(5)	2693756	2834754	0.010	5.2	15.0
\$ 9 DCB	38588264	789840	0.010	-98.0	15.0 <-

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\028B2801.D
 Report Date: 18-Mar-2002 08:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\028B2801.D
 Lab Smp Id: ICV
 Inj Date : 15-MAR-2002 11:08
 Operator : 1808
 Smp Info : ICV
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:51
 Al bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: CANPGCSV02

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

§ 1 TCMX			CAS #: 877-09-8			
2.024	2.024	(0.000)	3052	0.02500	0.00002410	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.403	2.403	(0.000)	972914	0.50000	0.5252 75.00- 125.00	100.00
2.723	2.723	(0.000)	1418826	0.50000	0.5142 109.37- 182.29	145.83
3.095	3.095	(0.000)	2559205	0.50000	0.5143 197.28- 328.81	263.05
3.213	3.213	(0.000)	1360213	0.50000	0.5124 104.86- 174.76	139.81
3.307	3.307	(0.000)	945781	0.50000	0.5157 72.91- 121.51	97.21
Average of Peak Amounts =			0.516			

8 AROCLOR-1260			CAS #: 11096-82-5			
5.245	5.245	(0.000)	1552502	0.50000	0.5214 75.00- 125.00	100.00
6.081	6.081	(0.000)	1678044	0.50000	0.5255 81.06- 135.11	108.09
6.694	6.694	(0.000)	1142436	0.50000	0.5185 55.19- 91.98	73.59
7.114	7.114	(0.000)	2535029	0.50000	0.5272 122.47- 204.11	163.29
7.742	7.742	(0.000)	1417377	0.50000	0.5262 68.47- 114.12	91.30
Average of Peak Amounts =			0.524			

§ 9 DCB			CAS #: 2051-24-3			
10.036	10.036	(0.000)	19746	0.02500	0.0005117	

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Date: 15-09-2002 11:08

Client ID:

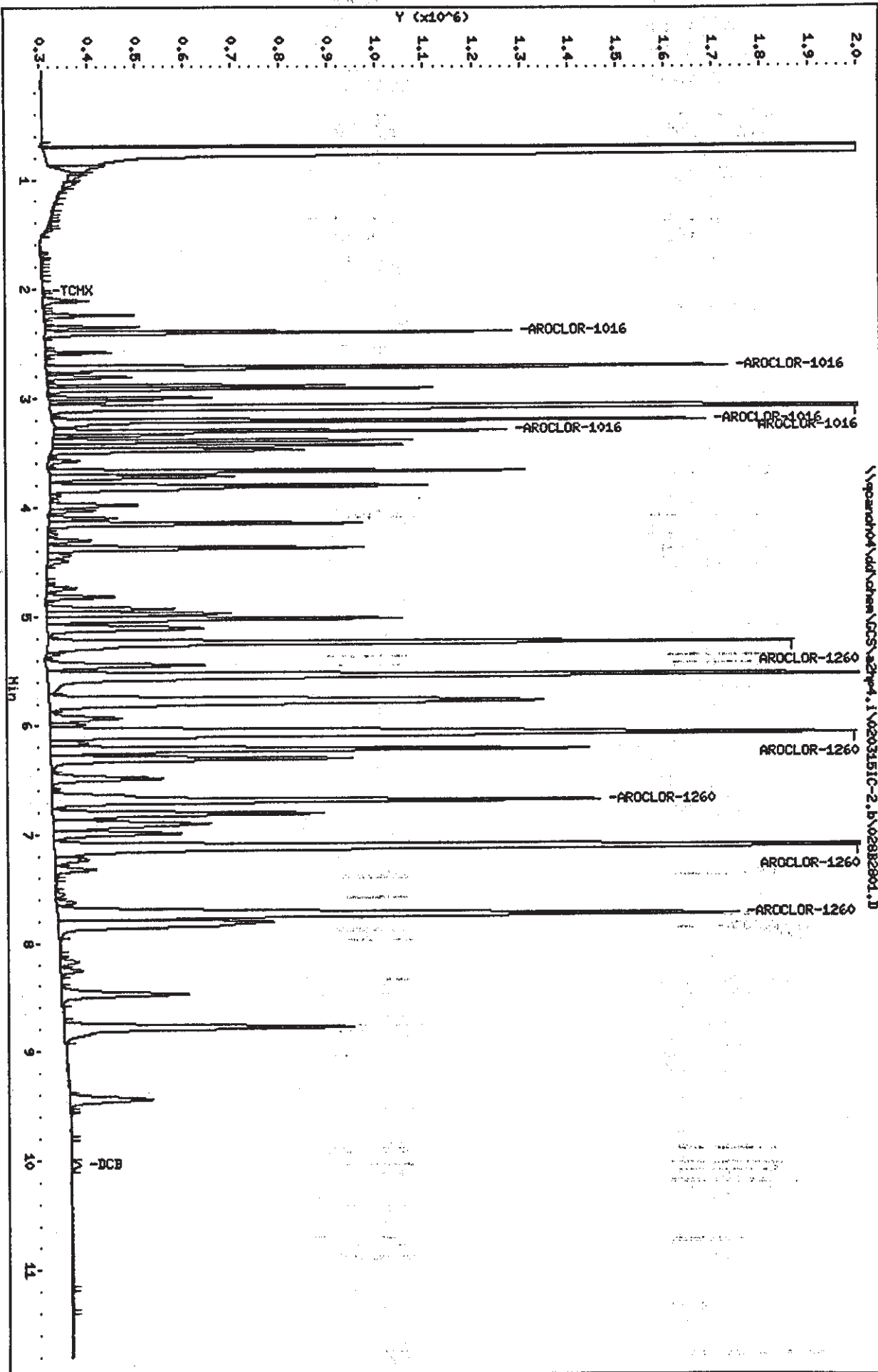
Sample Info: ICV

Column phase: restek pest o/p11

Instrument: 27p4.1

Operator: 1908

Column diameter: 0.53



PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090103

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		1232	04/11/02	1609		
02		1242	04/11/02	1626		
03		1248	04/11/02	1642		
04		2154	04/11/02	1659		
05		1660	04/12/02	0253		
06	EXMKNBLK	EXMKN1AA	04/12/02	0701		
07	EXMKNCHK	EXMKN1AC	04/12/02	0719		
08	EXMKNCHKDUP	EXMKN1AD	04/12/02	0735		
09		1660	04/12/02	0752		
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

12-APR-2002 10:53	12-AR1660td	066B6601.D
12-APR-2002 07:52	12-AR1660td	055B5501.D
12-APR-2002 02:53	12-AR1660td	037B3701.D
11-APR-2002 22:29	12-AR1660td	021B2101.D
11-APR-2002 17:15	12-AR1660td	006B0601.D
11-APR-2002 16:59	9-AR2154	005B0501.D
11-APR-2002 16:42	3-AR1248	004B0401.D
11-APR-2002 16:26	2-AR1242	003B0301.D
11-APR-2002 16:09	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\002B0201.D
 Report Date: 12-Apr-2002 07:54

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 11-APR-2002 16:09
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

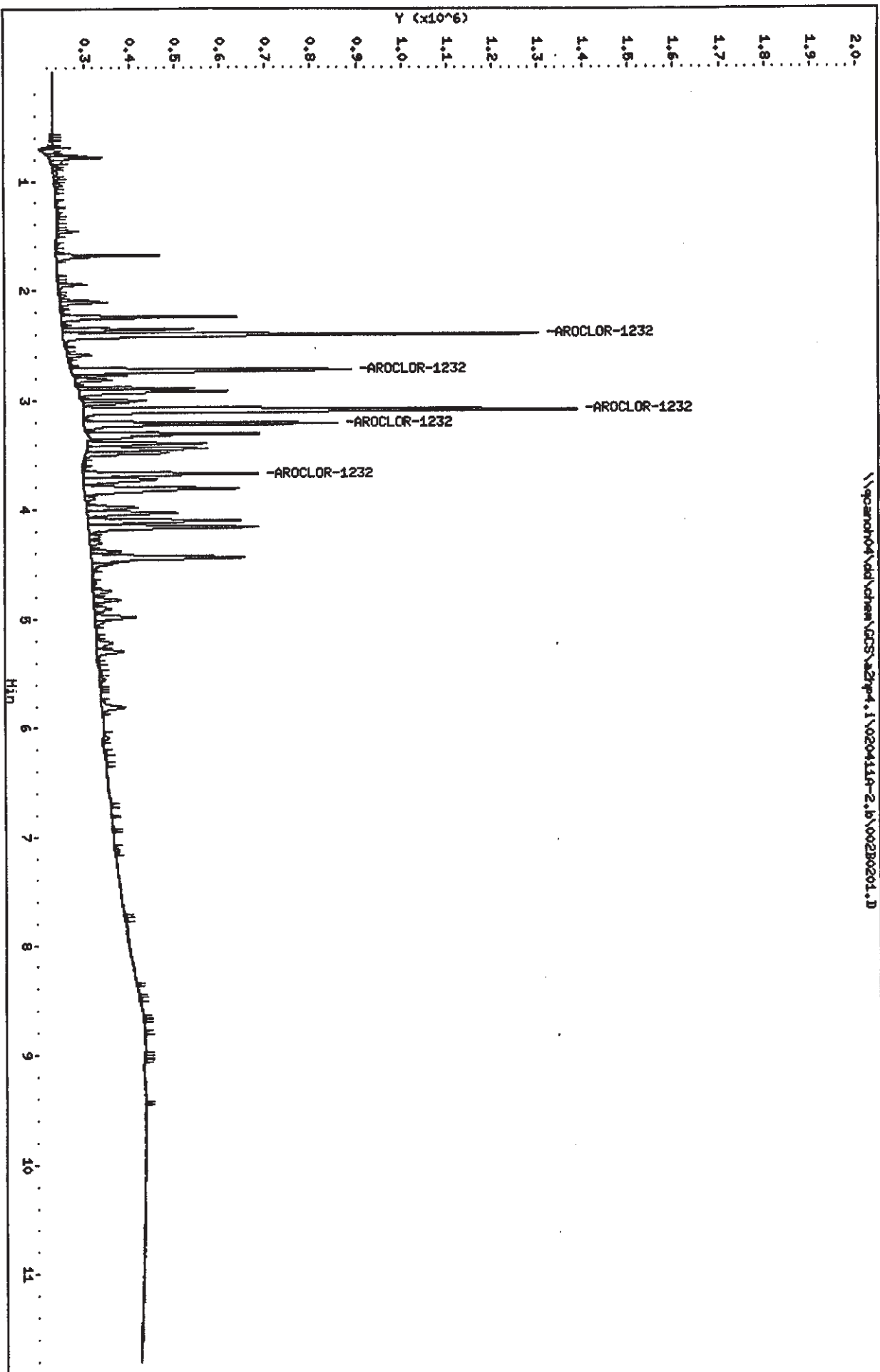
AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (ng)		(ng)		TARGET RANGE		RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232					CAS #: 11141-16-5				
2.404	2.404	(0.000)	1047625	0.50000	0.4823	75.00-	125.00	100.00	
2.725	2.725	(0.000)	617375	0.50000	0.4924	44.20-	73.66	58.93	
3.097	3.097	(0.000)	1091450	0.50000	0.5097	78.14-	130.23	104.18	
3.216	3.216	(0.000)	560775	0.50000	0.4794	40.15-	66.91	53.53	
3.676	3.676	(0.000)	386701	0.50000	0.4936	27.68-	46.14	36.91	
Average of Peak Amounts =					0.491				

Data File: \\pcan04\dd\chem\GC5\az2p4.1\0204119-2.6\00280201.D
Date: 11-09-2002 16:09
Client ID:
Sample Info: 1232,2

Column phase: restek post alpi

Instrument: az2p4.1
Operator: 1808
Column diameter: 0.53

\\pcan04\dd\chem\GC5\az2p4.1\0204119-2.6\00280201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\003B0301.D
 Report Date: 12-Apr-2002 07:54

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 11-APR-2002 16:26
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242				CAS #: 53469-21-9					
2.405	2.405	(0.000)		716841	0.50000	0.4467	75.00-	125.00	100.00
2.726	2.726	(0.000)		1047332	0.50000	0.4668	109.58-	182.63	146.10
3.099	3.099	(0.000)		2032744	0.50000	0.5066	212.68-	354.46	283.57
3.217	3.217	(0.000)		1024705	0.50000	0.4743	107.21-	178.68	142.95
3.676	3.676	(0.000)		771565	0.50000	0.4736	80.73-	134.54	107.63
Average of Peak Amounts =				0.474					

Data File: \\qpcrm04\vd\chem\GC5\azhp4.1\020411a-2.b\00380301.D

Date: 11-APR-2002 16:26

Client ID:

Sample Info: 1242,2

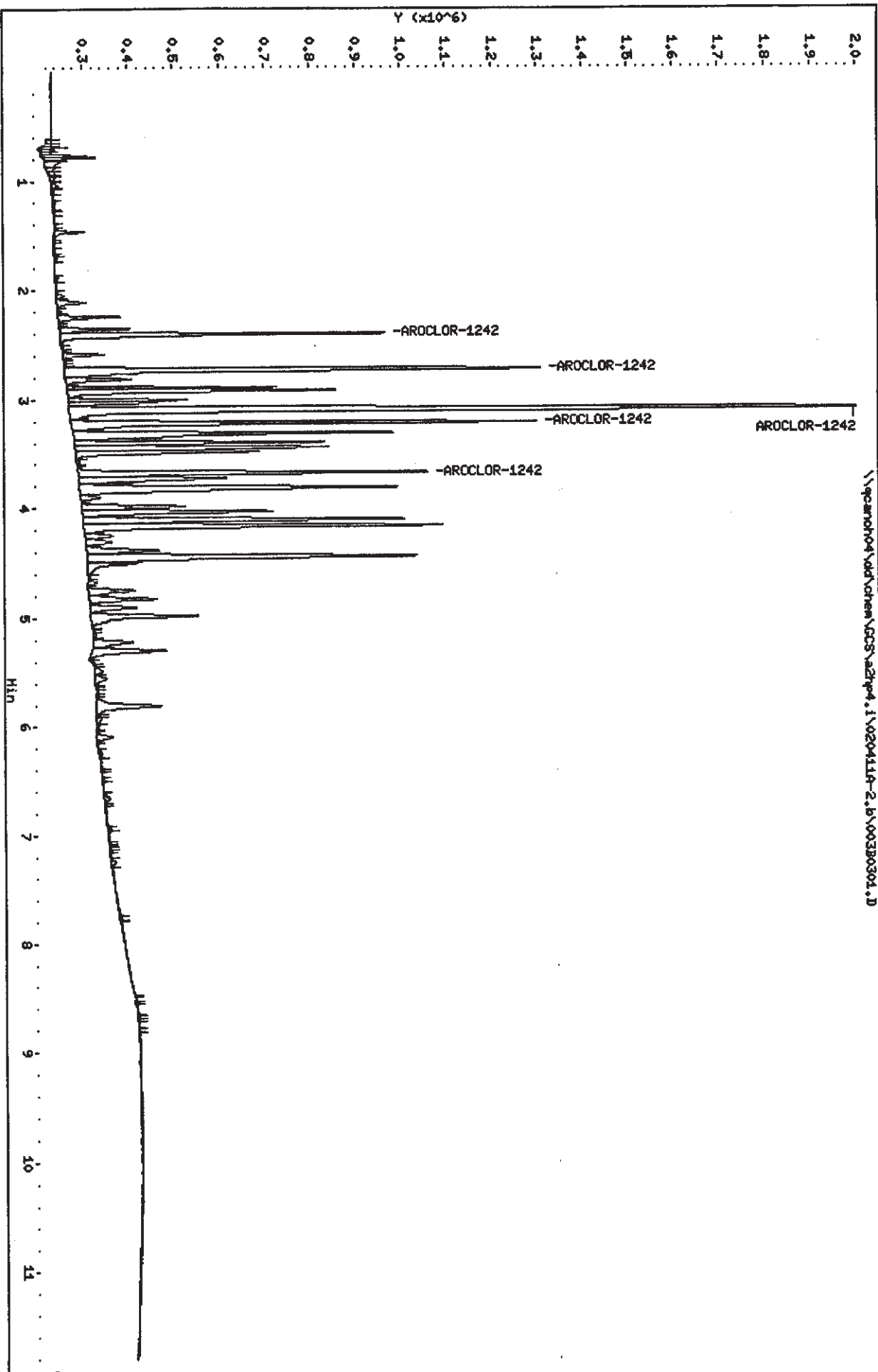
Column phase: restek pestak oipi

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\qpcrm04\vd\chem\GC5\azhp4.1\020411a-2.b\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\004B0401.D
 Report Date: 12-Apr-2002 07:55

STL - North Canton

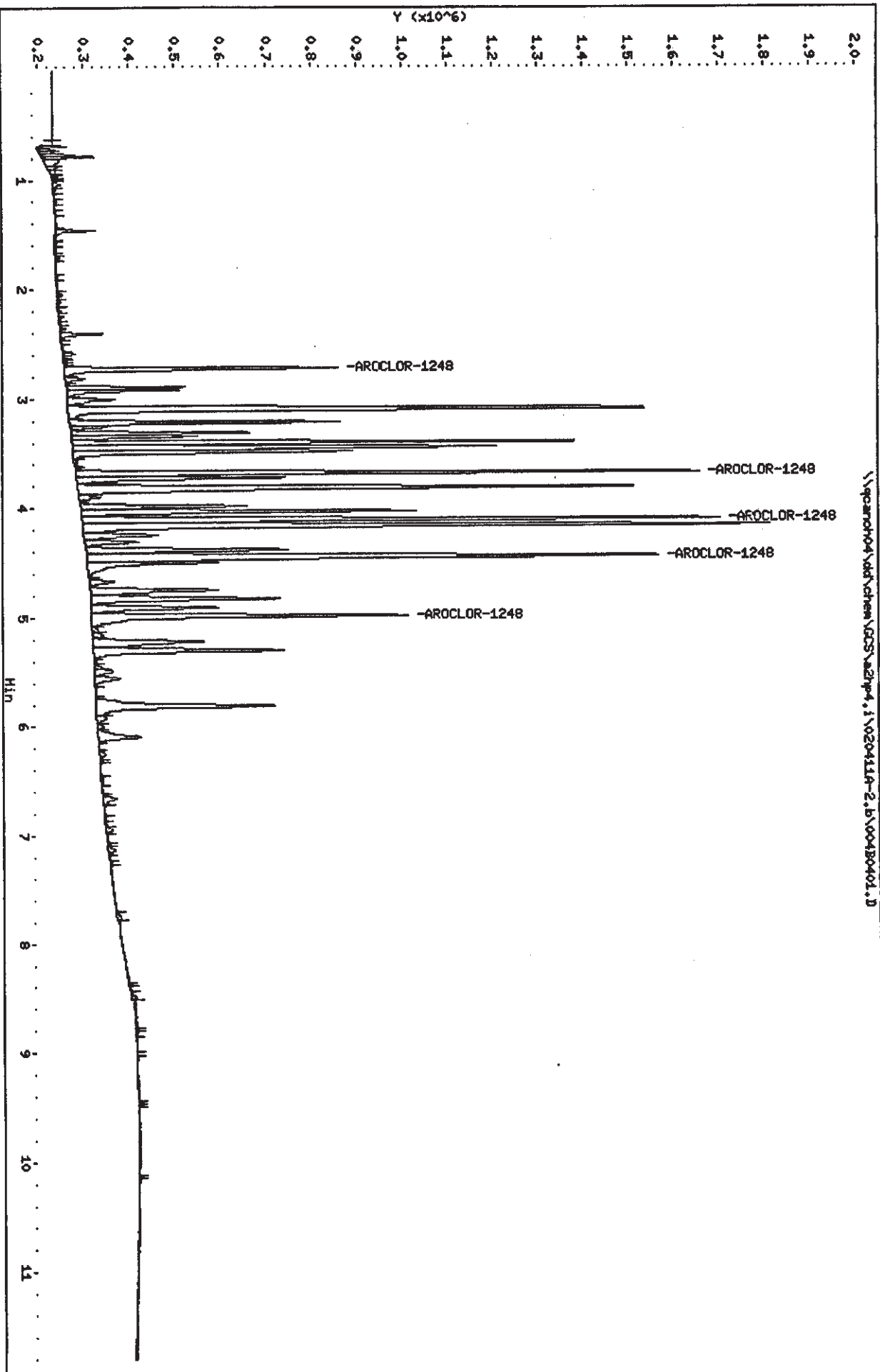
Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 11-APR-2002 16:42
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.725	2.725	(0.000)	606601	0.50000	0.4816 75.00- 125.00	100.00
3.677	3.677	(0.000)	1377877	0.50000	0.4948 170.36- 283.93	227.15
4.106	4.106	(0.000)	1409606	0.50000	0.5107 174.28- 290.47	232.38
4.443	4.443	(0.000)	1261386	0.50000	0.5047 155.96- 259.93	207.94
4.986	4.986	(0.000)	698092	0.50000	0.5047 86.31- 143.85	115.08
Average of Peak Amounts =				0.499		

Data File: \\parran04\dd\chem\GCS\az2hp4.1\020411A-2.b\004B0401.D
Date: 11-09-2002 16:42
Client ID:
Sample Info: 1248,,2
Column phase: restek pest c1p1

Instrument: az2hp4.1
Operator: 1908
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\005B0501.D
 Report Date: 12-Apr-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 11-APR-2002 16:59
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

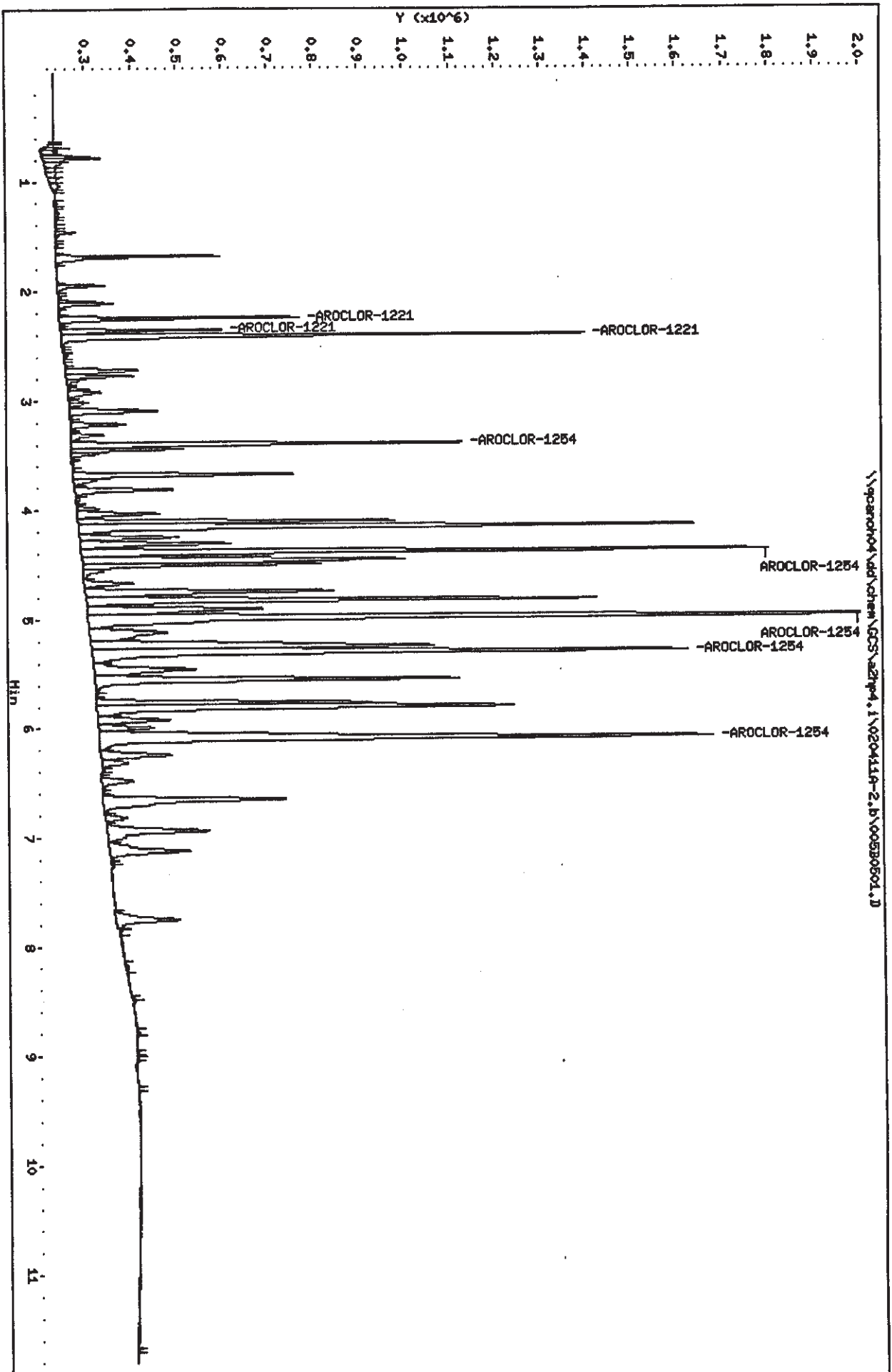
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
7 AROCLOR-1254			CAS #: 11097-69-1			
3.399	3.399	(0.000)	857196 0.50000	0.4433	75.00- 125.00	100.00
4.382	4.382	(0.000)	1512571 0.50000	0.4519	132.34- 220.57	176.46
4.985	4.985	(0.000)	2121501 0.50000	0.4546	185.62- 309.37	247.49
5.300	5.300	(0.000)	1309691 0.50000	0.4377	114.59- 190.98	152.79
6.092	6.092	(0.000)	1351132 0.50000	0.4384	118.22- 197.03	157.62
Average of Peak Amounts =				0.445		

2 AROCLOR-1221			CAS #: 11104-28-2			
2.245	2.245	(0.000)	529108 0.50000	0.4129	75.00- 125.00	100.00
2.355	2.355	(0.000)	353724 0.50000	0.4214	50.14- 83.57	66.85
2.405	2.405	(0.000)	1150829 0.50000	0.4189	163.13- 271.88	217.50
Average of Peak Amounts =				0.418		

Data File: \\gsanoh04\dd\chem\GIS\az2pe4.1\020411f-2.1b\00580501.D
Date: 11-APR-2002 16:59
Client ID:
Sample Info: 2154,,2
Column phase: restek pest clpe1

Instrument: az2pe4.1
Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Report Date: 12-Apr-2002 03:06

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 12-APR-2002 02:53
 Lab File ID: 037B3701.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	115797680	0.010	-8.5	15.0
3 AROCLOR-1016 (1)	1852618	1665066	0.010	-10.1	15.0
(2)	2759209	2528004	0.010	-8.4	15.0
(3)	4975691	5140778	0.010	3.3	15.0
(4)	2654696	2575102	0.010	-3.0	15.0
(5)	1833962	1806462	0.010	-1.5	15.0
8 AROCLOR-1260 (1)	2977706	3179598	0.010	6.8	15.0
(2)	3193457	3155676	0.010	-1.2	15.0
(3)	2203376	2345918	0.010	6.5	15.0
(4)	4808395	5203590	0.010	8.2	15.0
(5)	2693756	2783518	0.010	3.3	15.0
\$ 9 DCB	38588264	39793840	0.010	3.1	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Report Date: 12-Apr-2002 08:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Lab Smp Id: 1660
 Inj Date : 12-APR-2002 02:53
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
..		
\$ 1 TCMX					CAS #: 877-09-8				
2.026	2.026	(0.000)	2894942	0.02500	0.02286				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.404	2.404	(0.000)	832533	0.50000	0.4494	75.00- 125.00	100.00		
2.726	2.726	(0.000)	1264002	0.50000	0.4581	113.87- 189.78	131.83		
3.099	3.099	(0.000)	2570389	0.50000	0.5166	231.56- 385.93	308.74		
3.217	3.217	(0.000)	1287551	0.50000	0.4850	115.99- 193.32	154.65		
3.312	3.312	(0.000)	903231	0.50000	0.4925	81.37- 135.61	108.49		
Average of Peak Amounts =					0.48				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.252	5.252	(0.000)	1589799	0.50000	0.5339	75.00- 125.00	100.00		
6.091	6.091	(0.000)	1577838	0.50000	0.4941	74.44- 124.06	99.25		
6.702	6.702	(0.000)	1172959	0.50000	0.5323	95.34- 92.23	73.78		
7.124	7.124	(0.000)	2601795	0.50000	0.5411	122.74- 204.57	163.66		
7.751	7.751	(0.000)	1391759	0.50000	0.5167	65.66- 109.43	87.54		
Average of Peak Amounts =					0.524				

\$ 9 DCB					CAS #: 2051-24-3				
10.050	10.050	(0.000)	994846	0.02500	0.02578				

Data File: \\qpcan004\ad\chem\SCS\azhp4.i\020411A-2.B\037B3701.D

Date: 12-08-2002 02:53

Client ID:

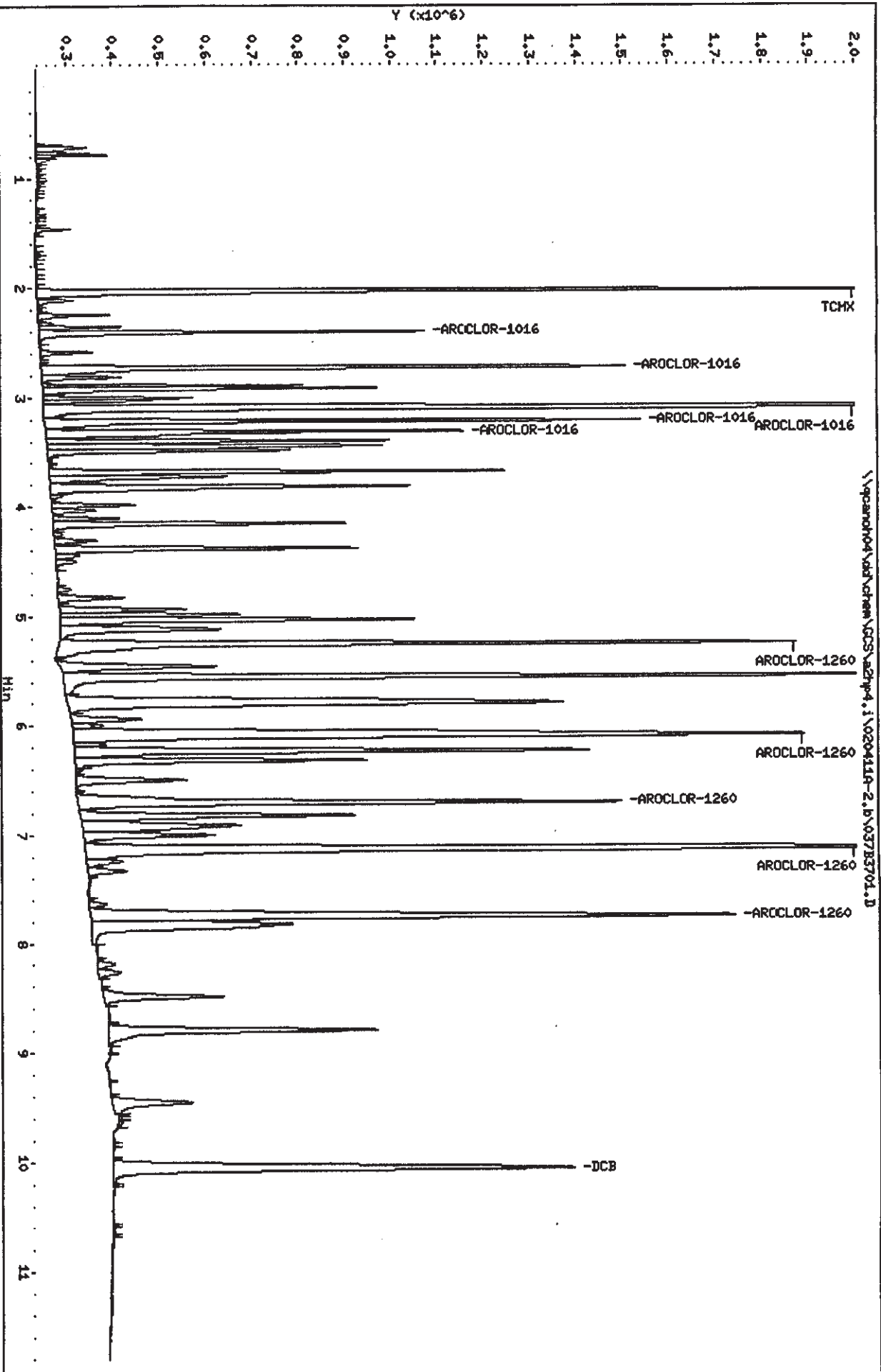
Sample Info: 1660,,2

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest o1p1



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Report Date: 12-Apr-2002 08:04

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 12-APR-2002 07:52
 Lab File ID: 055B5501.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122370680	0.010	-3.4	15.0
3 AROCLOR-1016 (1)	1852618	1770894	0.010	-4.4	15.0
(2)	2759209	2660888	0.010	-3.6	15.0
(3)	4975691	5077222	0.010	2.0	15.0
(4)	2654696	2573050	0.010	-3.1	15.0
(5)	1833962	1799210	0.010	-1.9	15.0
8 AROCLOR-1260 (1)	2977706	3094886	0.010	3.9	15.0
(2)	3193457	3219564	0.010	0.8	15.0
(3)	2203376	2291492	0.010	4.0	15.0
(4)	4808395	5021298	0.010	4.4	15.0
(5)	2693756	2776924	0.010	3.1	15.0
\$ 9 DCB	38588264	38780240	0.010	0.5	15.0

Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Report Date: 12-Apr-2002 08:04

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Lab Smp Id: 1660
 Inj Date : 12-APR-2002 07:52
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE		RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 1 TCNX					CAS #: 877-09-8				
2.027	2.027	(0.000)	3059267	0.02500	0.02416				
-----					-----				
3 AROCLOR-1016					CAS #: 12674-11-2				
2.406	2.406	(0.000)	885447	0.50000	0.4779	75.00- 125.00	100.00		
2.727	2.727	(0.000)	1330444	0.50000	0.4822	112.69- 187.82	150.26		
3.100	3.100	(0.000)	2538611	0.50000	0.5102	215.03- 358.38	286.70		
3.218	3.218	(0.000)	1286525	0.50000	0.4846	108.97- 181.62	145.30		
3.314	3.314	(0.000)	899605	0.50000	0.4905	76.20- 127.00	101.60		
Average of Peak Amounts =					0.489				
-----					-----				
8 AROCLOR-1260					CAS #: 11096-82-5				
5.254	5.254	(0.000)	1547443	0.50000	0.5197	75.00- 125.00	100.00		
6.092	6.092	(0.000)	1609782	0.50000	0.5041	78.02- 130.04	104.03		
6.705	6.705	(0.000)	1145746	0.50000	0.5200	55.53- 92.55	74.04		
7.127	7.127	(0.000)	2510649	0.50000	0.5221	121.68- 202.81	162.25		
7.755	7.755	(0.000)	1388462	0.50000	0.5154	67.29- 112.16	89.73		
Average of Peak Amounts =					0.516				
-----					-----				
\$ 9 DCB					CAS #: 2051-24-3				
10.056	10.056	(0.000)	969506	0.02500	0.02512				
-----					-----				

Data File: \\Q00AN004\DIR\chem\SCS\azhp4.1\020411A-2.b\05050501.D

Date : 12-APR-2002 07:52

Client ID:

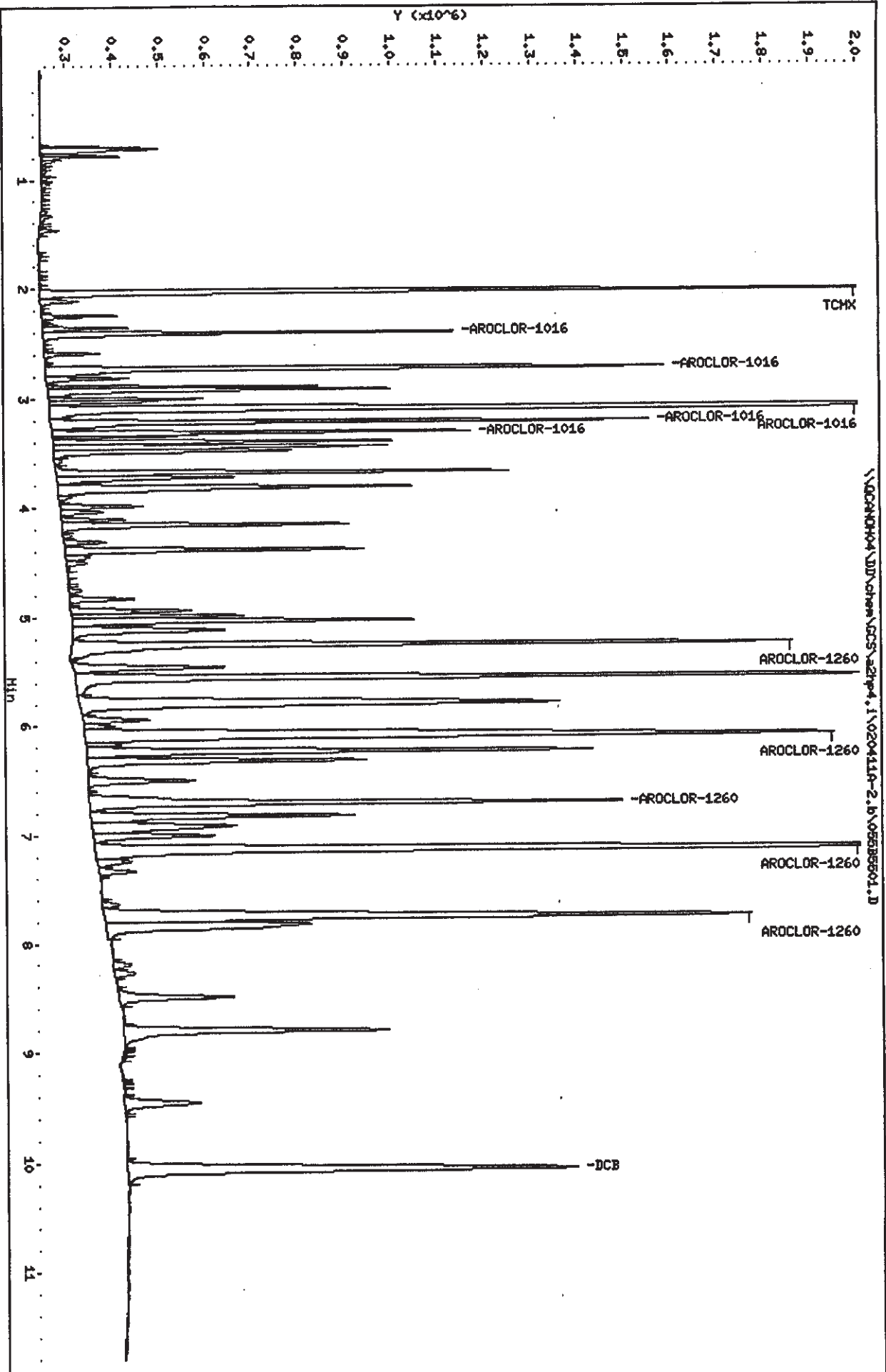
Sample Info: 1660,2

Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090103

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
	=====	=====	=====	=====	=====	=====
01		1232	04/12/02	1334		
02		1242	04/12/02	1351		
03		1248	04/12/02	1407		
04		2154	04/12/02	1424		
05		1660	04/13/02	1510		
06	SW-00-040802	EXKKN1AA	04/13/02	1527		
07	EXMKMBLK	EXMKM1AA	04/13/02	1600		
08	EXMKMCHK	EXMKM1AC	04/13/02	1616		
09	EXMKMCKDUP	EXMKM1AD	04/13/02	1633		
10		1660	04/13/02	1649		
11						
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32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

13-APR-2002 16:49	12-AR1660td	098B9801.D
13-APR-2002 15:10	12-AR1660td	092B9201.D
13-APR-2002 10:12	12-AR1660td	074B7401.D
13-APR-2002 05:15	12-AR1660td	056B5601.D
13-APR-2002 00:51	12-AR1660td	040B4001.D
12-APR-2002 20:11	12-AR1660td	024B2401.D
12-APR-2002 14:40	12-AR1660td	006B0601.D
12-APR-2002 14:24	9-AR2154	005B0501.D
12-APR-2002 14:07	3-AR1248	004B0401.D
12-APR-2002 13:51	2-AR1242	003B0301.D
12-APR-2002 13:34	1-AR1232	002B0201.D

Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\002B0201.D
 Report Date: 12-Apr-2002 13:46

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 12-APR-2002 13:34
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 13:46 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.405	2.405	(0.000)	964870	0.50000	0.4442 75.00- 125.00	100.00
2.726	2.726	(0.000)	573607	0.50000	0.4575 44.59- 74.31	59.45
3.097	3.097	(0.000)	1049295	0.50000	0.4900 81.56- 135.94	108.75
3.216	3.216	(0.000)	546922	0.50000	0.4676 42.51- 70.85	56.68
3.676	3.676	(0.000)	381018	0.50000	0.4863 29.62- 49.36	39.49
Average of Peak Amounts =				0.469		

Data File: \\qcasn04\dd\Nchem\NCS\azhp4.i\020412-2.b\002B0201.D

Date : 12-APR-2002 13:34

Client ID:

Sample Info: 1232,,2

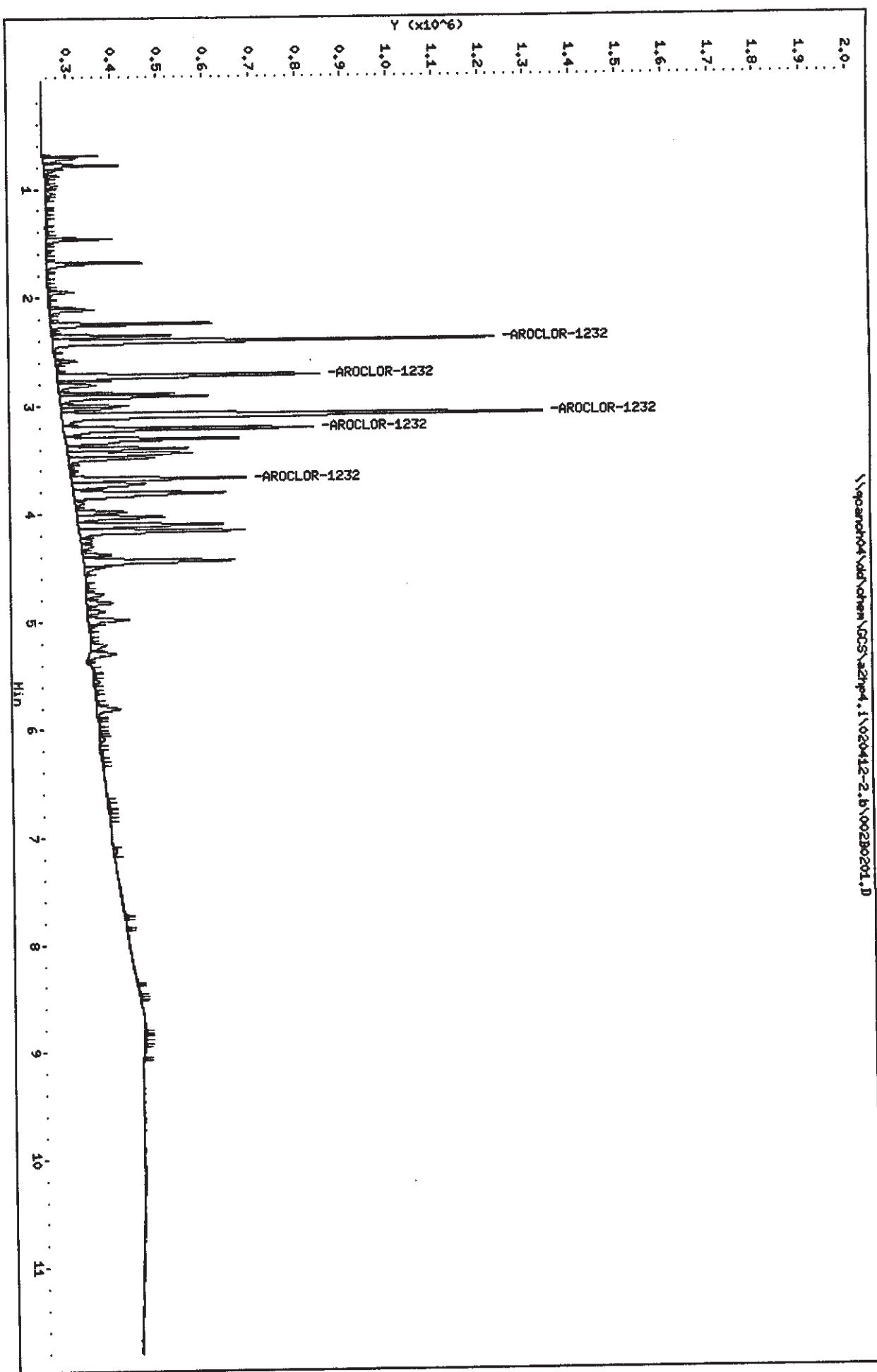
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\003B0301.D
 Report Date: 12-Apr-2002 14:03

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 12-APR-2002 13:51
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 14:03 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
S AROCLOR-1242			CAS #: 53469-21-9			
2.405	2.405	(0.000)	710745	0.50000	0.4430 75.00- 125.00	100.00
2.726	2.726	(0.000)	1036976	0.50000	0.4622 109.42- 182.37	145.90
3.099	3.099	(0.000)	2024177	0.50000	0.5044 213.60- 356.00	284.80
3.217	3.217	(0.000)	1028438	0.50000	0.4761 108.52- 180.87	144.70
3.677	3.677	(0.000)	804569	0.50000	0.4938 84.90- 141.50	113.20
Average of Peak Amounts =				0.476		

Data File: \\qparan04\dd\chem\CCS\21p4.1\020412-2.h\003B0301.D

Date: 12-08-2002 13:51

Client ID:

Sample Info: 1242,2

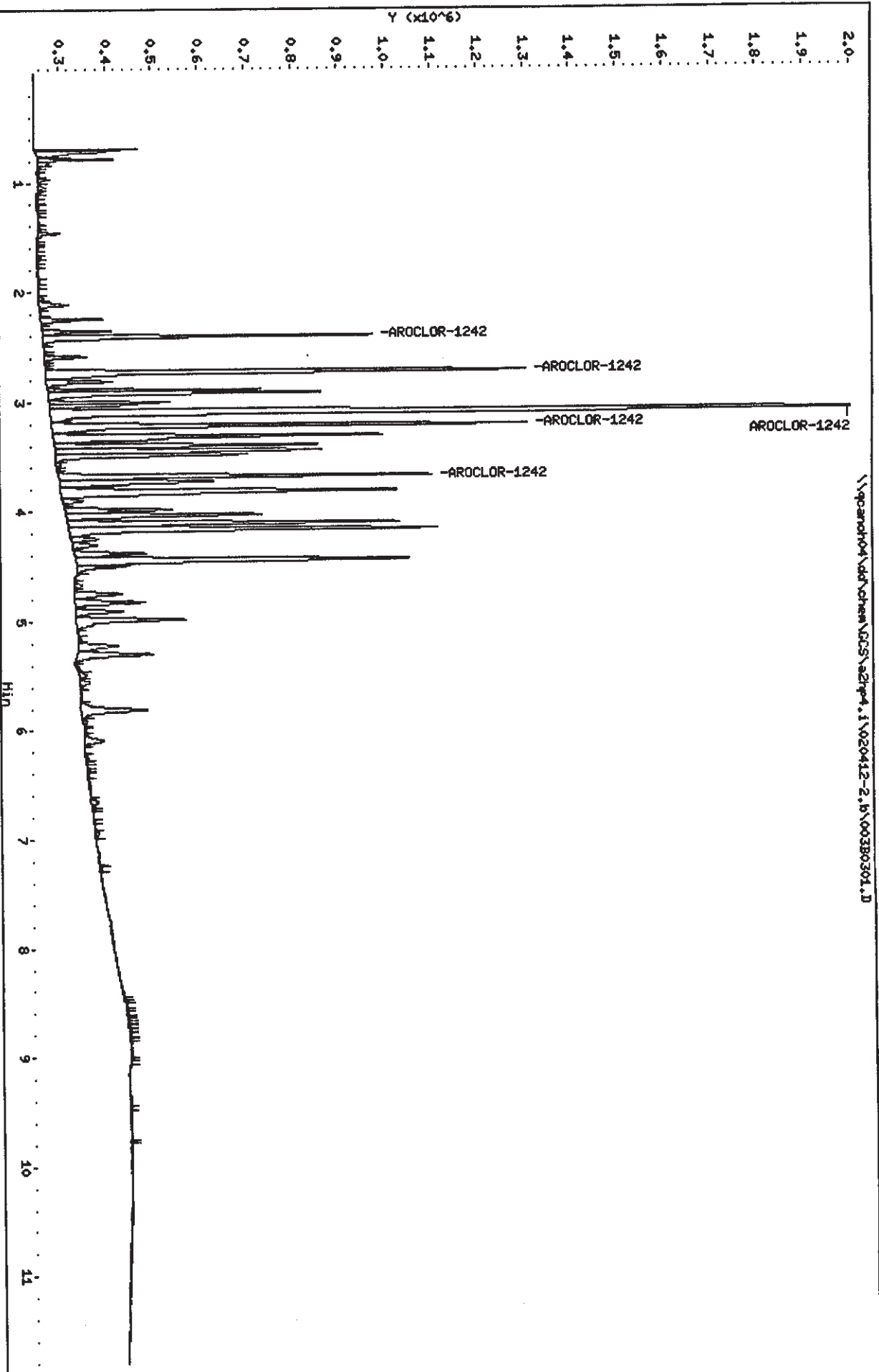
Column phase: restek pest c1p1

Instrument: 21p4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\004B0401.D
 Report Date: 12-Apr-2002 14:19

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 12-APR-2002 14:07
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 14:19 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.724	2.724	(0.000)	561344	0.50000	0.4456 75.00- 125.00	100.00
3.676	3.676	(0.000)	1346938	0.50000	0.4837 179.96- 299.94	239.95
4.103	4.103	(0.000)	1357231	0.50000	0.4917 181.34- 302.23	241.78
4.441	4.441	(0.000)	1237269	0.50000	0.4951 165.31- 275.51	220.41
4.983	4.983	(0.000)	695632	0.50000	0.5029 92.94- 154.90	123.92
Average of Peak Amounts =				0.484		

Data File: \\qpcand04\add\chem\GCSS\az2hp4.1\020412-2.b\004B0401.D

Date: 12-09-2002 14:07

Client ID:

Sample Info: 1248,,2

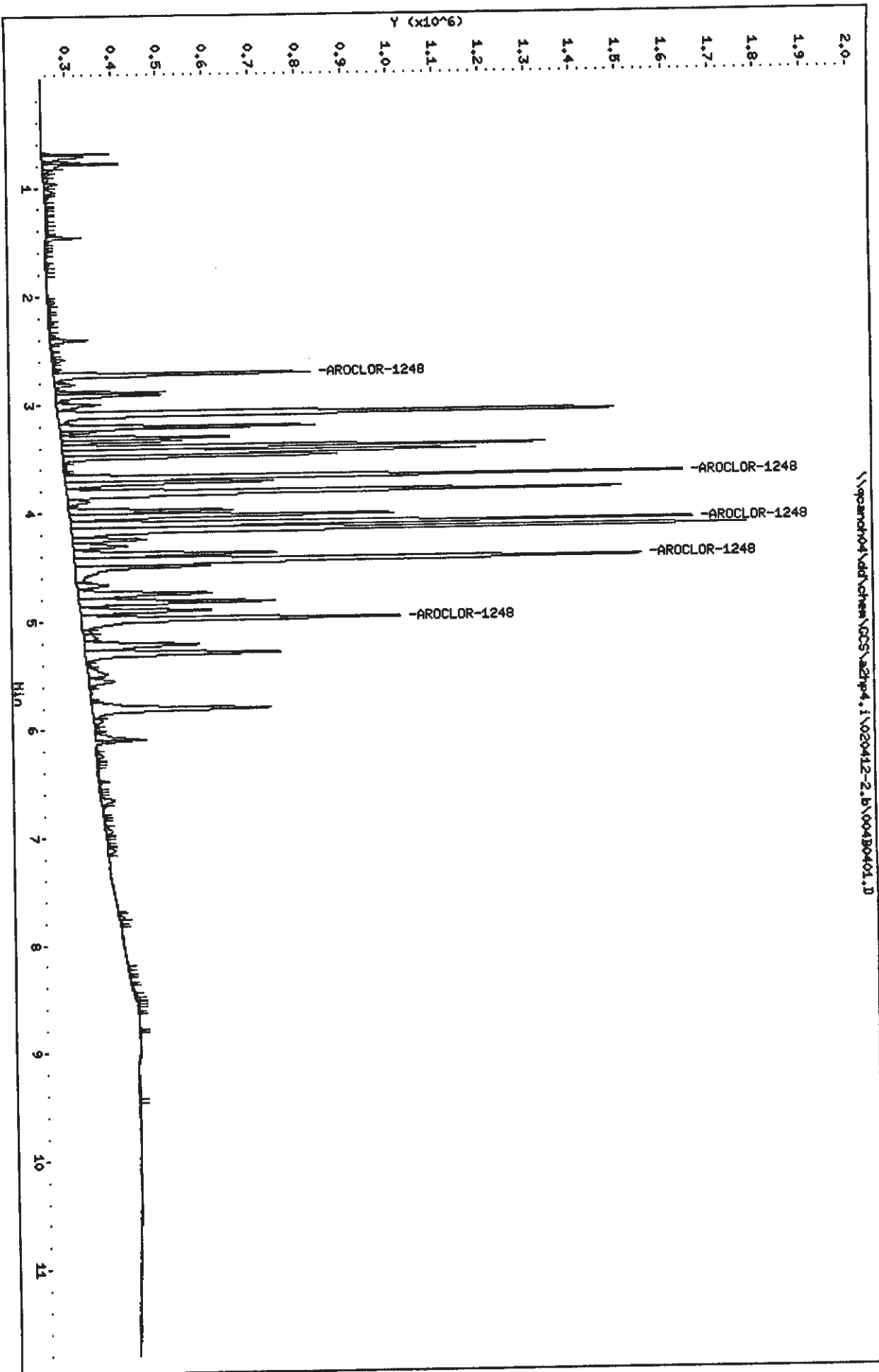
Column phases: restek pest c1p1

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

\\qpcand04\add\chem\GCSS\az2hp4.1\020412-2.b\004B0401.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\005B0501.D
 Report Date: 12-Apr-2002 15:13

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 12-APR-2002 14:24
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 15:12 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----		
7 AROCLOR-1254					CAS #: 11097-69-1				
3.398	3.398	(0.000)	876807	0.50000	0.4534	75.00- 125.00	100.00		
4.382	4.382	(0.000)	1549275	0.50000	0.4628	132.52- 220.87	176.70		
4.985	4.985	(0.000)	2210965	0.50000	0.4738	189.12- 315.20	252.16		
5.300	5.300	(0.000)	1358959	0.50000	0.4542	116.24- 193.74	154.99		
6.092	6.092	(0.000)	1490529	0.50000	0.4836	127.50- 212.49	170.00		
Average of Peak Amounts =					0.466				

2 AROCLOR-1221					CAS #: 11104-28-2				
2.245	2.245	(0.000)	546686	0.50000	0.4266	75.00- 125.00	100.00		
2.356	2.356	(0.000)	366513	0.50000	0.4366	50.28- 83.80	67.04		
2.406	2.406	(0.000)	1198727	0.50000	0.4363	164.45- 274.09	219.27		
Average of Peak Amounts =					0.433				

Data File: \\gsanor04\vol\chem\GC5\A21p4.1\020412-2.b\005B0501.D

Date: 12-09-2002 14:24

Client ID:

Sample Info: 2154,,2

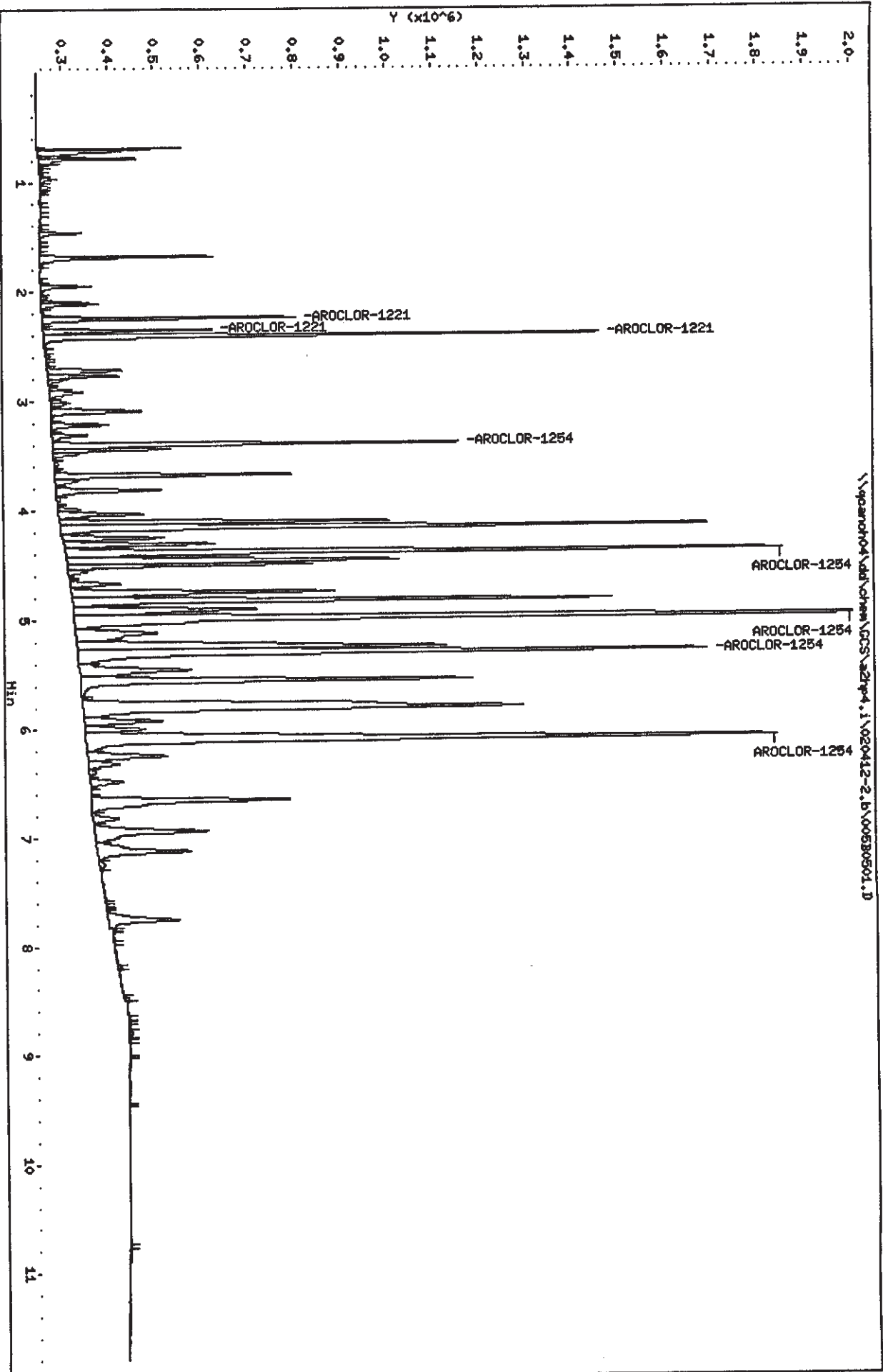
Instrument: A21p4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p1

\\gsanor04\vol\chem\GC5\A21p4.1\020412-2.b\005B0501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\092B9201.D
 Report Date: 13-Apr-2002 15:22

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 13-APR-2002 15:10
 Lab File ID: 092B9201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	121494640	0.010	-4.0	15.0
3 AROCLOR-1016 (1)	1852618	1772340	0.010	-4.3	15.0
(2)	2759209	2659618	0.010	-3.6	15.0
(3)	4975691	5016526	0.010	0.8	15.0
(4)	2654696	2608318	0.010	-1.7	15.0
(5)	1833962	1846942	0.010	0.7	15.0
8 AROCLOR-1260 (1)	2977706	3037582	0.010	2.0	15.0
(2)	3193457	3278228	0.010	2.7	15.0
(3)	2203376	2300752	0.010	4.4	15.0
(4)	4808395	5105106	0.010	6.2	15.0
(5)	2693756	2884070	0.010	7.1	15.0
\$ 9 DCB	38588264	39364240	0.010	2.0	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\092B9201.D
 Report Date: 15-Apr-2002 09:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\092B9201.D
 Lab Smp Id: 1660
 Inj Date : 13-APR-2002 15:10
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 1 TCMX				CAS #: 877-09-8					
2.025	2.025	(0.000)		3037366	0.02500	0.02399			

3 AROCLOR-1016				CAS #: 12674-11-3					
2.404	2.404	(0.000)		886170	0.50000	0.4783	75.00- 125.00	100.00	
2.725	2.726	(-0.001)		1329809	0.50000	0.4820	113.88- 189.79	150.06	
3.096	3.098	(-0.002)		2508263	0.50000	0.8041	218.52- 364.20	283.05	
3.216	3.217	(-0.001)		1304159	0.50000	0.4913	113.09- 188.49	147.17	
3.311	3.312	(-0.001)		923471	0.50000	0.5035	78.92- 131.53	104.21	
Average of Peak Amounts =				0.492					

8 AROCLOR-1260				CAS #: 11096-82-5					
5.250	5.251	(-0.001)		1518791	0.50000	0.5100	75.00- 125.00	100.00	
6.088	6.089	(-0.001)		1639114	0.50000	0.5133	79.59- 132.65	107.92	
6.700	6.701	(-0.001)		1150376	0.50000	0.5221	57.22- 95.37	75.74	
7.121	7.122	(-0.001)		2552553	0.50000	0.9308	126.31- 210.52	168.06	
7.748	7.750	(-0.002)		1442035	0.50000	0.5353	70.89- 118.16	94.95	
Average of Peak Amounts =				0.522					

\$ 9 DCB				CAS #: 2051-24-3					
10.048	10.047	(0.001)		984106	0.02500	0.02550			

Data File: \\vaporn04\vd\chem\DCS\az1p4.1\020412-2.B\09289201.D

Date: 13-SEP-2002 15:10

Client ID:

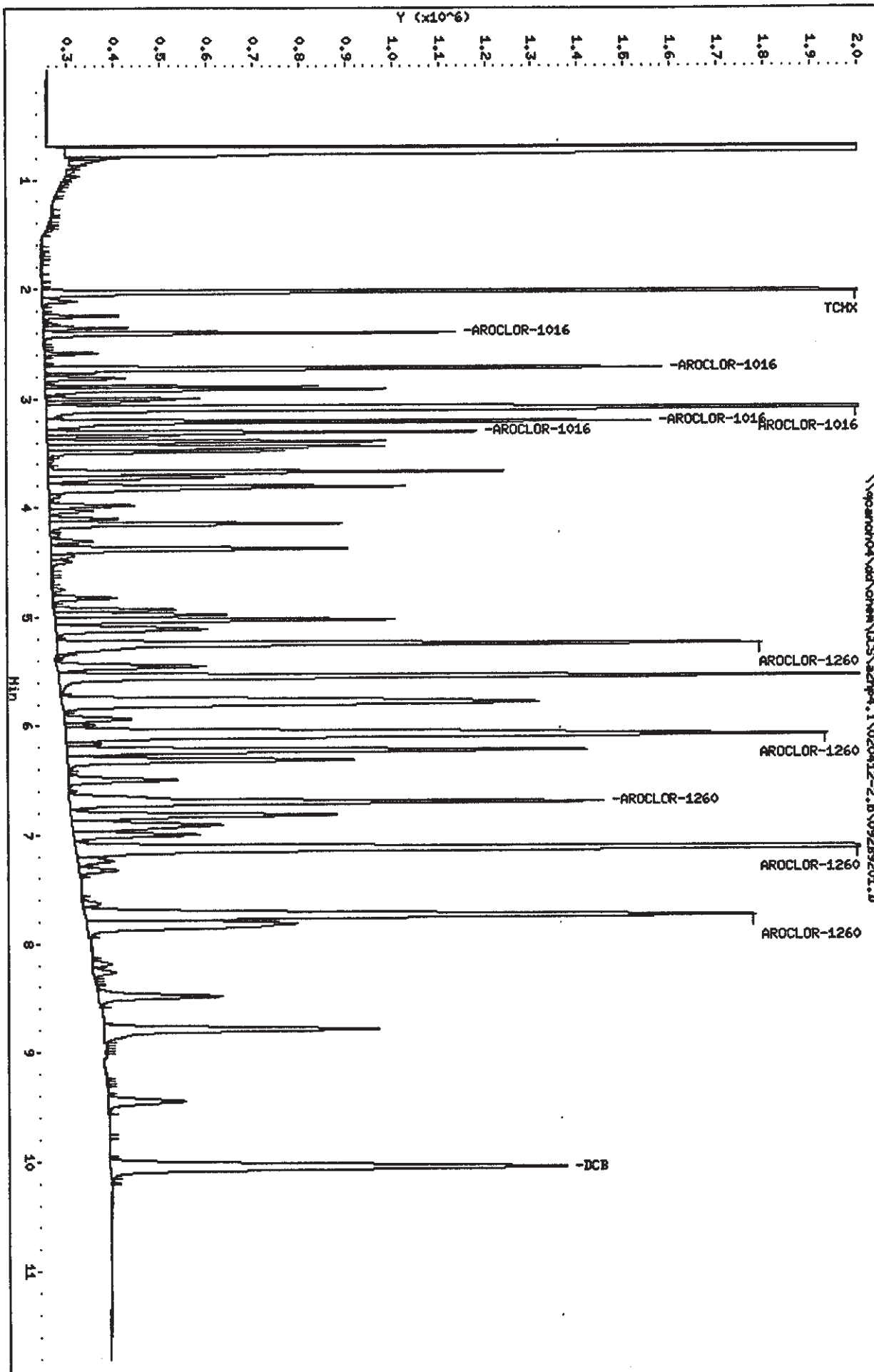
Sample Info: 1660,,2

Instrument: az1p4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p1



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Report Date: 13-Apr-2002 17:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 13-APR-2002 16:49
 Lab File ID: 098B9801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN	%D	MAX
\$ 1 TCMK	126620446	116660920	0.010	-7.9	15.0
3 AROCLOR-1016 (1)	1852618	1710696	0.010	-7.7	15.0
(2)	2759209	2597410	0.010	-5.9	15.0
(3)	4975691	4984336	0.010	0.2	15.0
(4)	2654696	2579604	0.010	-2.8	15.0
(5)	1833962	1800068	0.010	-1.8	15.0
8 AROCLOR-1260 (1)	2977706	3089570	0.010	3.8	15.0
(2)	3193457	3278664	0.010	2.7	15.0
(3)	2203376	2357320	0.010	7.0	15.0
(4)	4808395	5203232	0.010	8.2	15.0
(5)	2693756	2920462	0.010	8.4	15.0
\$ 9 DCB	38588264	40326080	0.010	4.5	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Report Date: 15-Apr-2002 09:53

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Lab Smp Id: 1660
 Inj Date : 13-APR-2002 16:49
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	ng)	((-----	-----

\$ 1	TCMX					CAS #: 877-09-8	
2.025	2.025	(0.000)	2916523	0.02500	0.02303		

3	AROCLOR-1016					CAS #: 12674-11-2	
2.404	2.404	(0.000)	855348	0.50000	0.4617	75.00- 125.00	100.00
2.726	2.726	(0.000)	1298705	0.50000	0.4707	113.88- 189.79	151.83
3.098	3.098	(0.000)	2492168	0.50000	0.5009	218.52- 364.20	291.36
3.217	3.217	(0.000)	1289802	0.50000	0.4858	113.09- 188.49	150.79
3.312	3.312	(0.000)	900034	0.50000	0.4908	78.92- 131.53	105.22
Average of Peak Amounts =					0.482		

8	AROCLOR-1260					CAS #: 11096-82-5	
5.251	5.251	(0.000)	1544785	0.50000	0.5188	75.00- 125.00	100.00
6.089	6.089	(0.000)	1639332	0.50000	0.5133	79.59- 132.65	106.12
6.701	6.701	(0.000)	1178660	0.50000	0.5349	57.22- 95.37	76.30
7.122	7.122	(0.000)	2601616	0.50000	0.5410	126.31- 210.52	168.41
7.750	7.750	(0.000)	1460231	0.50000	0.5421	70.89- 118.16	94.53
Average of Peak Amounts =					0.53		

\$ 9	DCB					CAS #: 2051-24-3	
10.047	10.047	(0.000)	1008152	0.02500	0.02612		

Data File: \\pcan04\nd\ndchem\GCOS\22hp4.i\020412-2.b\09889801.D

Date: 13-APR-2002 16:49

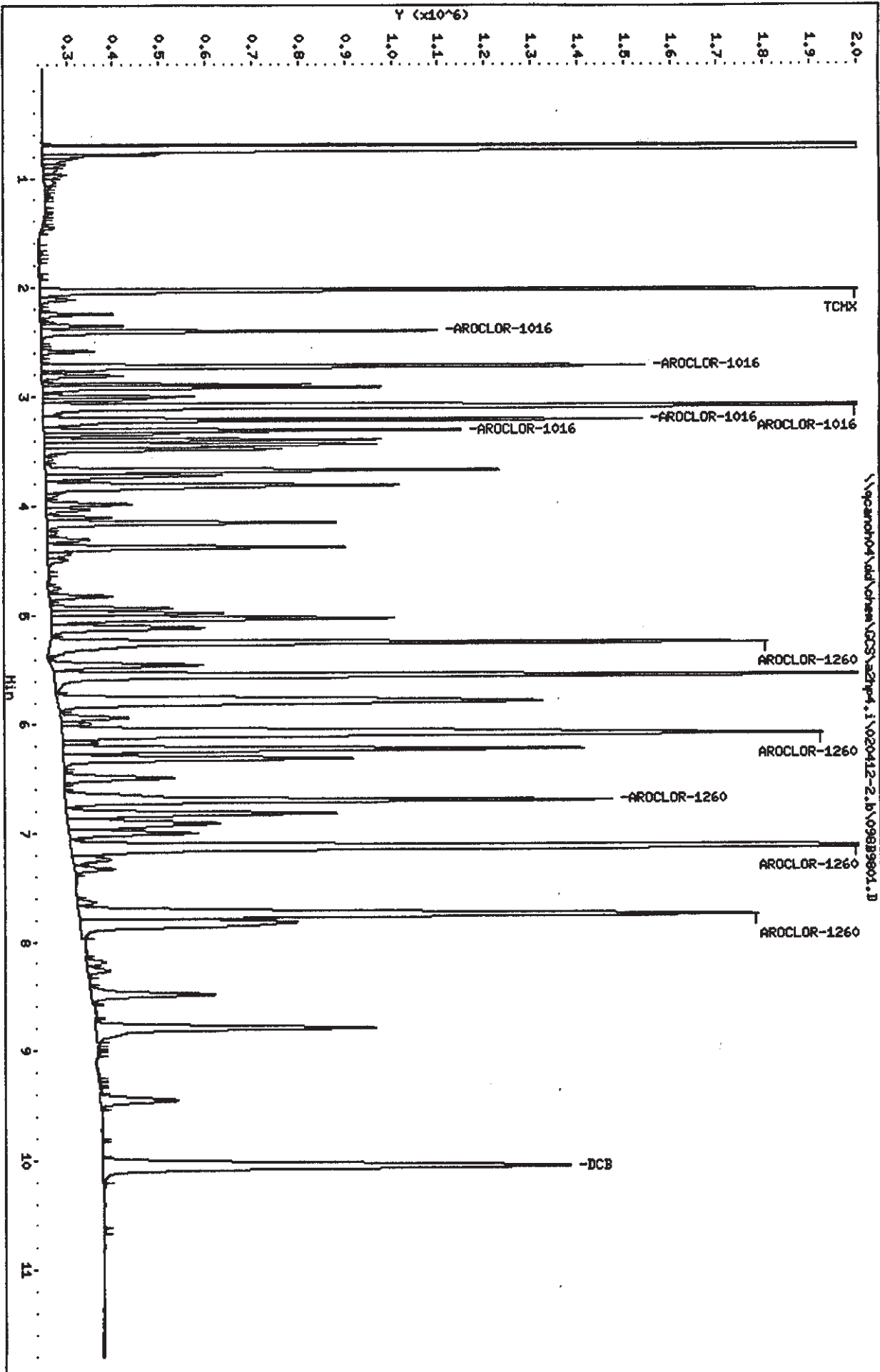
Client ID:

Sample Info: 1660,,2

Instrument: 22hp4.1

Column phase: restek pest c1p1

Operator: 1808
Column diameter: 0.53



PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090103

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
	=====	=====	=====	=====	=====	=====
01		1232	04/14/02	1135		
02		1242	04/14/02	1151		
03		1248	04/14/02	1208		
04		2154	04/14/02	1224		
05		1660	04/14/02	1241		
06	EXL98BLK	EXL981AA	04/14/02	1257		
07	EXL98CHK	EXL981AC	04/14/02	1314		
08		1660	04/14/02	1917		
09		1660	04/15/02	0349		
10	SW-00-040802	EXKKM1AA	04/15/02	0545		
11		1660	04/15/02	0757		
12						
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32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

15-APR-2002 07:57	12-AR1660td	068B6801.D
15-APR-2002 03:49	12-AR1660td	053B5301.D
14-APR-2002 23:25	12-AR1660td	037B3701.D
14-APR-2002 19:17	12-AR1660td	022B2201.D
14-APR-2002 12:41	12-AR1660td	006B0601.D
14-APR-2002 12:24	9-AR2154	005B0501.D
14-APR-2002 12:08	3-AR1248	004B0401.D
14-APR-2002 11:51	2-AR1242	003B0301.D
14-APR-2002 11:35	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\002B0201.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 14-APR-2002 11:35
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

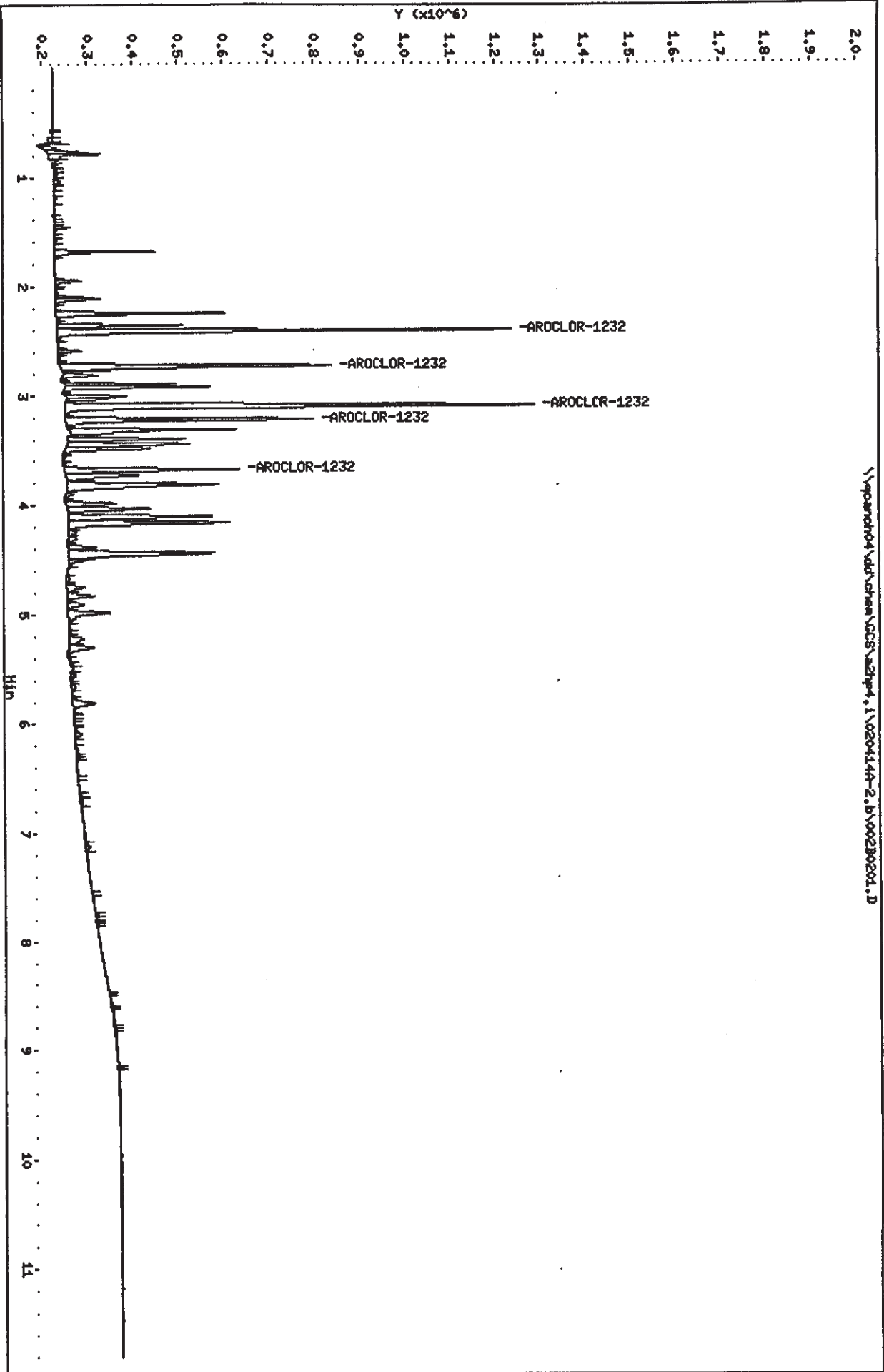
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	OW-COL	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5				
2.404	2.405	(-0.001)	1004229	0.50000	0.4623	75.00- 125.00	100.00
2.724	2.726	(-0.002)	598503	0.50000	0.4773	112.93- 188.21	59.60
3.097	3.099	(-0.002)	1038737	0.50000	0.4851	220.77- 367.95	103.44
3.216	3.217	(-0.001)	546945	0.50000	0.4676	111.52- 185.87	54.46
3.675	3.678	(-0.003)	387016	0.50000	0.4940	84.37- 140.61	38.54
Average of Peak Amounts =					0.477		

Data File: \\qpcand04\vdaf\chem\NCS\az2hp4.1\0204144-2.B\00230201.D
Date: 14-APR-2002 11:35
Client ID:
Sample Info: 1232,,2
Column phase: restek pest c1p1

Instrument: az2hp4.1
Operator: 1898
Column diameter: 0.53

\\qpcand04\vdaf\chem\NCS\az2hp4.1\0204144-2.B\00230201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\003B0301.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 14-APR-2002 11:51
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
..
5 AROCLOR-1242			CAS #: 53469-21-9			
2.403	2.405	(-0.002)	762280	0.50000	0.4751 75.00- 125.00	100.00
2.725	2.726	(-0.001)	1077674	0.50000	0.4803 112.93- 188.21	141.38
3.096	3.099	(-0.003)	1969646	0.50000	0.4908 220.77- 367.95	258.39
3.216	3.217	(-0.001)	1029611	0.50000	0.4766 111.52- 185.87	135.07
3.675	3.678	(-0.003)	799839	0.50000	0.4909 84.37- 140.61	104.93
Average of Peak Amounts =			0.483			

Data File: \\qpcan04\dd\chem\NCS\azhp4.1\020414f-2.b\00390301.D

Date: 14-APR-2002 11:51

Client ID:

Sample Info: 1242,2

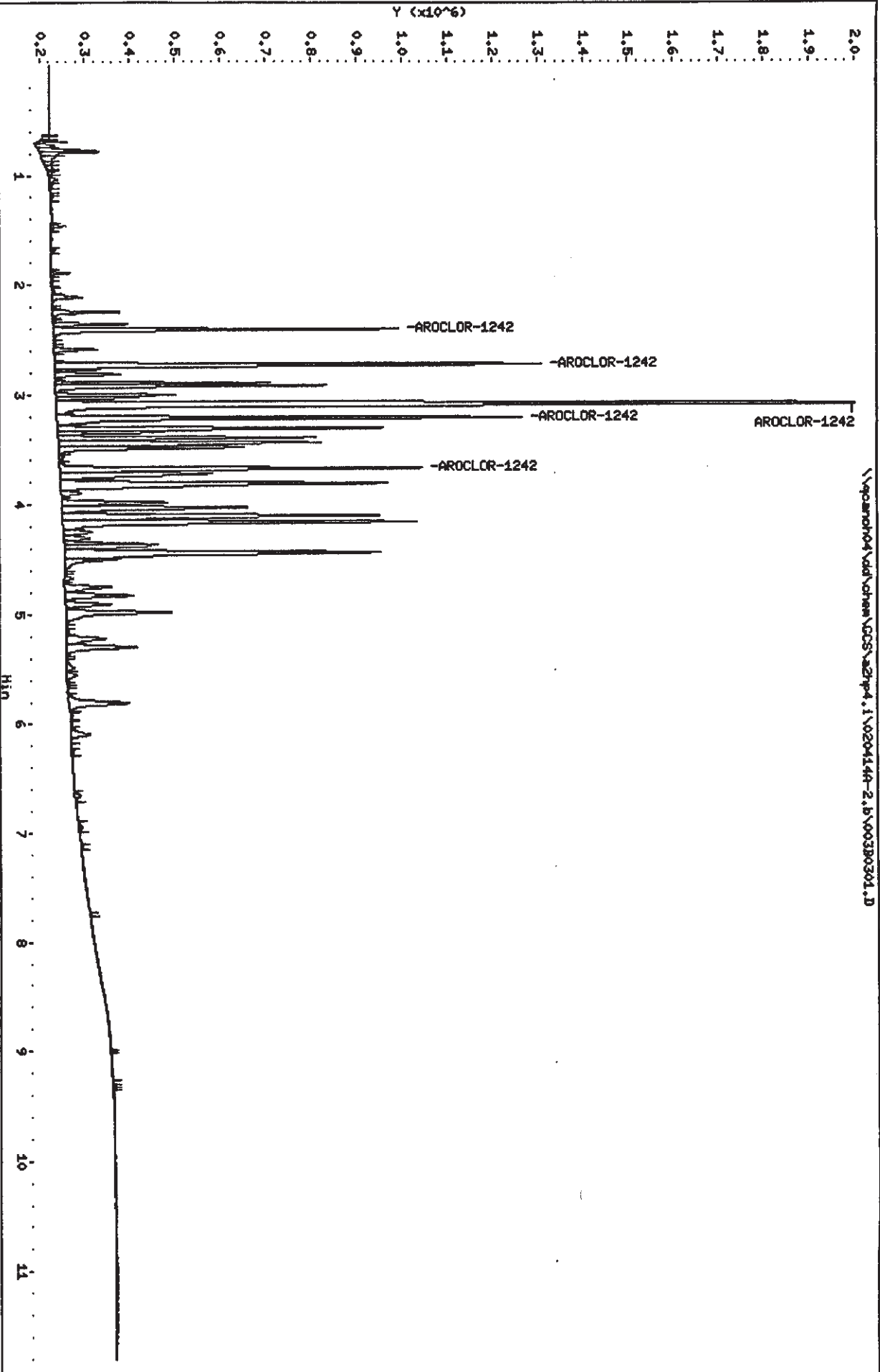
Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p1

\\qpcan04\dd\chem\NCS\azhp4.1\020414f-2.b\00390301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\004B0401.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 14-APR-2002 12:08
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL		TARGET RANGE		RATIO	
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ng)				
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6						
2.724	2.726	(-0.002)		554801	0.50000	0.4404	75.00-	125.00	100.00
3.676	3.678	(-0.002)		1320489	0.50000	0.4742	56.03-	93.39	238.01
4.103	4.106	(-0.003)		1300710	0.50000	0.4712	8.20-	13.67	234.45
4.441	4.442	(-0.001)		1184631	0.50000	0.4740	2.79-	4.64	213.52
4.983	4.986	(-0.003)		677654	0.50000	0.4899	21.90-	36.51	122.14
Average of Peak Amounts =					0.47				

Data File: \\parran04\vol\chem\GC5\ast2\p4.1\0204149-2.B\004B0401.D

Date: 14-APR-2002 12:08

Client ID:

Sample Info: 1248,,2

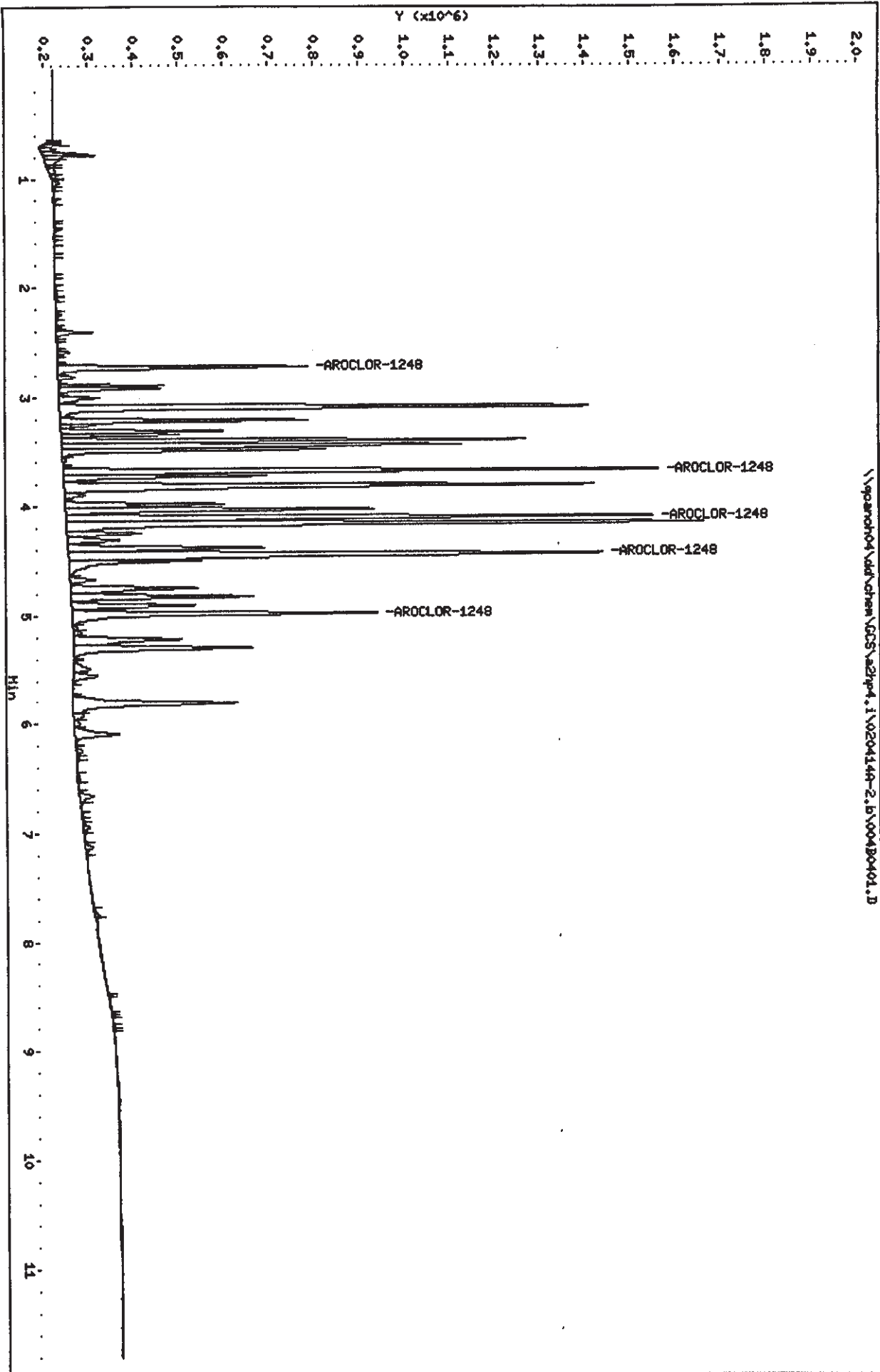
Column phase: restek pest c1p1

Instrument: ast2p4.i

Operator: 1808

Column diameter: 0.53

\\parran04\vol\chem\GC5\ast2\p4.1\0204149-2.B\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\005B0501.D
 Report Date: 15-Apr-2002 12:16

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 14-APR-2002 12:24
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE
---	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.397	3.400	(-0.003)	841383	0.50000	0.4351	75.00- 125.00 100.00
4.381	4.384	(-0.003)	1480858	0.50000	0.4424	67.19- 111.98 176.00
4.984	4.986	(-0.002)	2072397	0.50000	0.4441	39.67- 66.11 246.31
5.299	5.254	(0.045)	1218319	0.50000	0.4072	163.59- 272.65 144.80
6.092	6.091	(0.001)	1426943	0.50000	0.4630	176.98- 294.97 169.59
Average of Peak Amounts =			0.438			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.244	2.245	(-0.001)	544861	0.50000	0.4252	75.00- 125.00 100.00
2.355	2.356	(-0.001)	362446	0.50000	0.4318	82.95- 138.25 66.52
2.404	2.405	(-0.001)	1177405	0.50000	0.4286	392.70- 654.50 216.09
Average of Peak Amounts =			0.429			

Data File: \\qpcandh04\dd\chem\GC5\27p4.1\020414a-2.b\005B0501.D

Date: 14-APR-2002 12:24

Client ID:

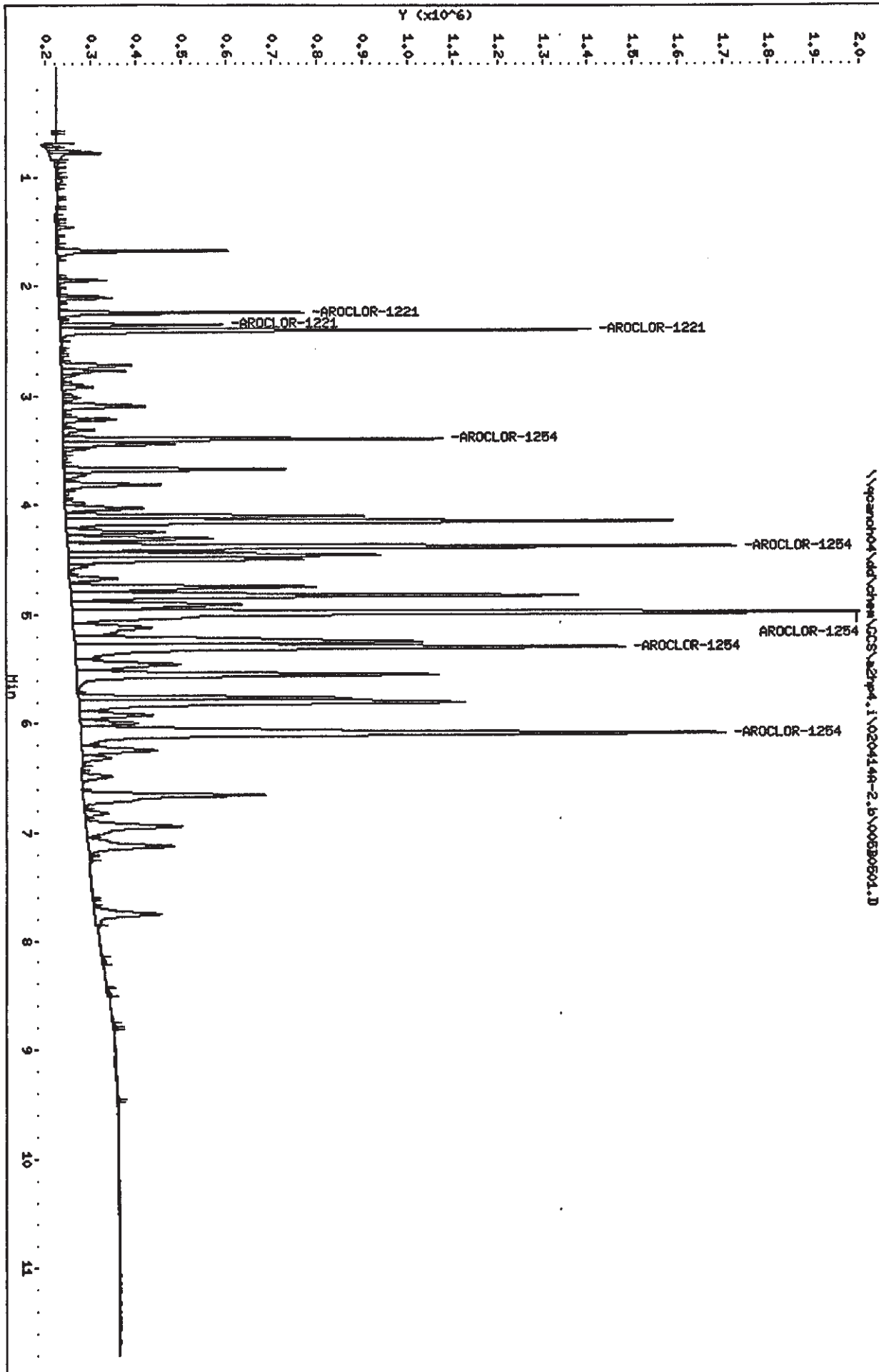
Sample Info: 2154,,2

Column phase: restek pest c/p1

Instrument: 27p4.1

Operator: 1808

Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\006B0601.D
 Report Date: 14-Apr-2002 12:53

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-APR-2002 12:41
 Lab File ID: 006B0601.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122389240	0.010	-3.3	15.0
3 AROCLOR-1016 (1)	1852618	1766148	0.010	-4.7	15.0
(2)	2759209	2687608	0.010	-2.6	15.0
(3)	4975691	4954136	0.010	-0.4	15.0
(4)	2654696	2574122	0.010	-3.0	15.0
(5)	1833962	1805682	0.010	-1.5	15.0
8 AROCLOR-1260 (1)	2977706	3060296	0.010	2.8	15.0
(2)	3193457	3271622	0.010	2.4	15.0
(3)	2203376	2311156	0.010	4.9	15.0
(4)	4808395	5009744	0.010	4.2	15.0
(5)	2693756	2804202	0.010	4.1	15.0
\$ 9 DCB	38588264	39052480	0.010	1.2	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\006B0601.D
 Report Date: 15-Apr-2002 12:16

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\006B0601.D
 Lab Smp Id: 1660
 Inj Date : 14-APR-2002 12:41
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO		
..	

# 1 TCMX					CAS #: 877-09-8				
2.025	2.026	(-0.001)		3059731	0.02500	0.02416			

3 AROCLOR-1016					CAS #: 12674-11-2				
2.404	2.405	(-0.001)		883074	0.50000	0.4767	75.00- 125.00	100.00	
2.725	2.726	(-0.001)		1343804	0.50000	0.4870	112.93- 188.21	152.17	
3.098	3.099	(-0.001)		2477068	0.50000	0.4978	220.77- 367.95	280.51	
3.216	3.217	(-0.001)		1287061	0.50000	0.4848	111.52- 185.87	145.75	
3.312	3.313	(-0.001)		902841	0.50000	0.4923	77.82- 129.70	102.24	
Average of Peak Amounts =					0.488				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.251	5.254	(-0.003)		1530148	0.50000	0.5139	75.00- 125.00	100.00	
6.090	6.091	(-0.001)		1635811	0.50000	0.5122	81.14- 135.23	106.91	
6.701	6.704	(-0.003)		1155578	0.50000	0.5244	56.96- 94.94	75.52	
7.123	7.126	(-0.003)		2504872	0.50000	0.5209	127.60- 212.67	163.70	
7.749	7.751	(-0.002)		1402101	0.50000	0.5205	69.63- 116.05	91.63	
Average of Peak Amounts =					0.518				

# 9 DCB					CAS #: 2051-24-3				
10.047	10.052	(-0.005)		976312	0.02500	0.02530			

Data File: \\qpcard\04\vd\chrom\SCS\azhp4.1\020414f-2.b\006B0601.D

Date: 14-APR-2002 12:44

Client ID:

Sample Info: 1660,2

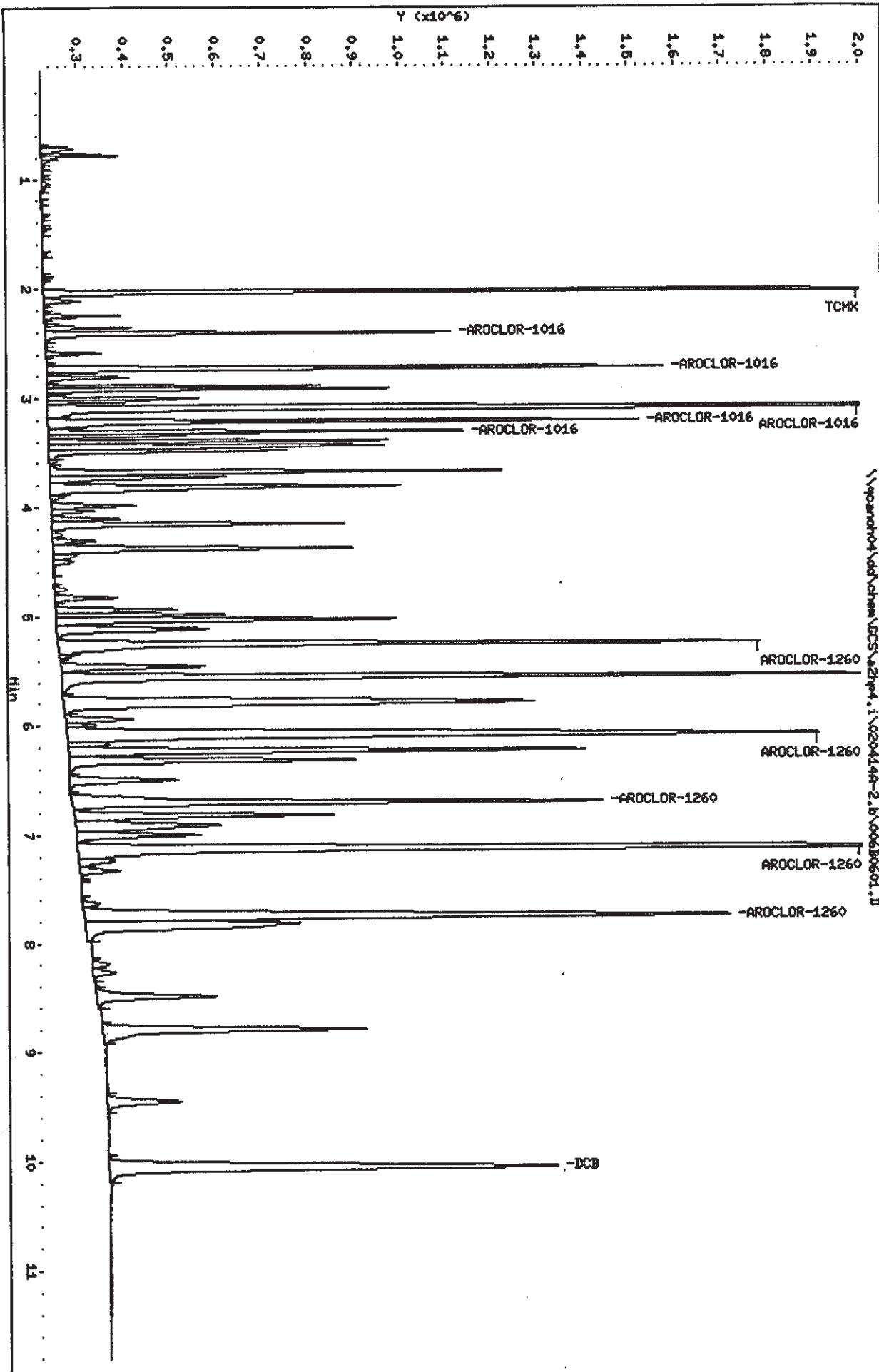
Column phase: restek pest c1pi

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcard\04\vd\chrom\SCS\azhp4.1\020414f-2.b\006B0601.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\022B2201.D
 Report Date: 14-Apr-2002 19:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-APR-2002 19:17
 Lab File ID: 022B2201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	125725360	0.010	-0.7	15.0
3 AROCLOR-1016 (1)	1852618	1829540	0.010	-1.2	15.0
(2)	2759209	2732716	0.010	-1.0	15.0
(3)	4975691	5160956	0.010	3.7	15.0
(4)	2654696	2681206	0.010	1.0	15.0
(5)	1833962	1873954	0.010	2.2	15.0
8 AROCLOR-1260 (1)	2977706	3110090	0.010	4.4	15.0
(2)	3193457	3310264	0.010	3.7	15.0
(3)	2203376	2404832	0.010	9.1	15.0
(4)	4808395	5313736	0.010	10.5	15.0
(5)	2693756	2969758	0.010	10.2	15.0
\$ 9 DCB	38588264	41157440	0.010	6.7	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\022B2201.D
 Report Date: 15-Apr-2002 12:18

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\022B2201.D
 Lab Smp Id: 1660
 Inj Date : 14-APR-2002 19:17
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----		

# 1 TCMX					CAS #: 877-09-8				
2.023	2.026	(-0.003)	3143134	0.02500	0.02482				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.403	2.405	(-0.002)	914770	0.50000	0.4938	75.00- 125.00	100.00		
2.724	2.726	(-0.002)	1366358	0.50000	0.4952	112.93- 188.21	149.37		
3.096	3.099	(-0.003)	2580478	0.50000	0.5186	220.77- 367.95	282.09		
3.214	3.217	(-0.003)	1340603	0.50000	0.5050	111.52- 185.87	146.55		
3.310	3.313	(-0.003)	936977	0.50000	0.5109	77.82- 129.70	102.43		
Average of Peak Amounts =					0.505				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.249	5.254	(-0.005)	1555045	0.50000	0.5222	75.00- 125.00	100.00		
6.087	6.091	(-0.004)	1655132	0.50000	0.5183	81.14- 135.23	106.44		
6.699	6.704	(-0.005)	1202416	0.50000	0.5457	56.96- 94.94	77.32		
7.121	7.126	(-0.005)	2656868	0.50000	0.5525	127.60- 212.67	170.85		
7.748	7.751	(-0.003)	1484879	0.50000	0.5512	69.63- 116.05	95.49		
Average of Peak Amounts =					0.538				

# 9 DCB					CAS #: 2051-24-3				
10.046	10.052	(-0.006)	1028936	0.02500	0.02666				

Data File: \\qpcard04\dd\chem\DCS\azhp4.1\020414A-2.b\02282201.D

Date: 14-Apr-2002 19:17

Client ID:

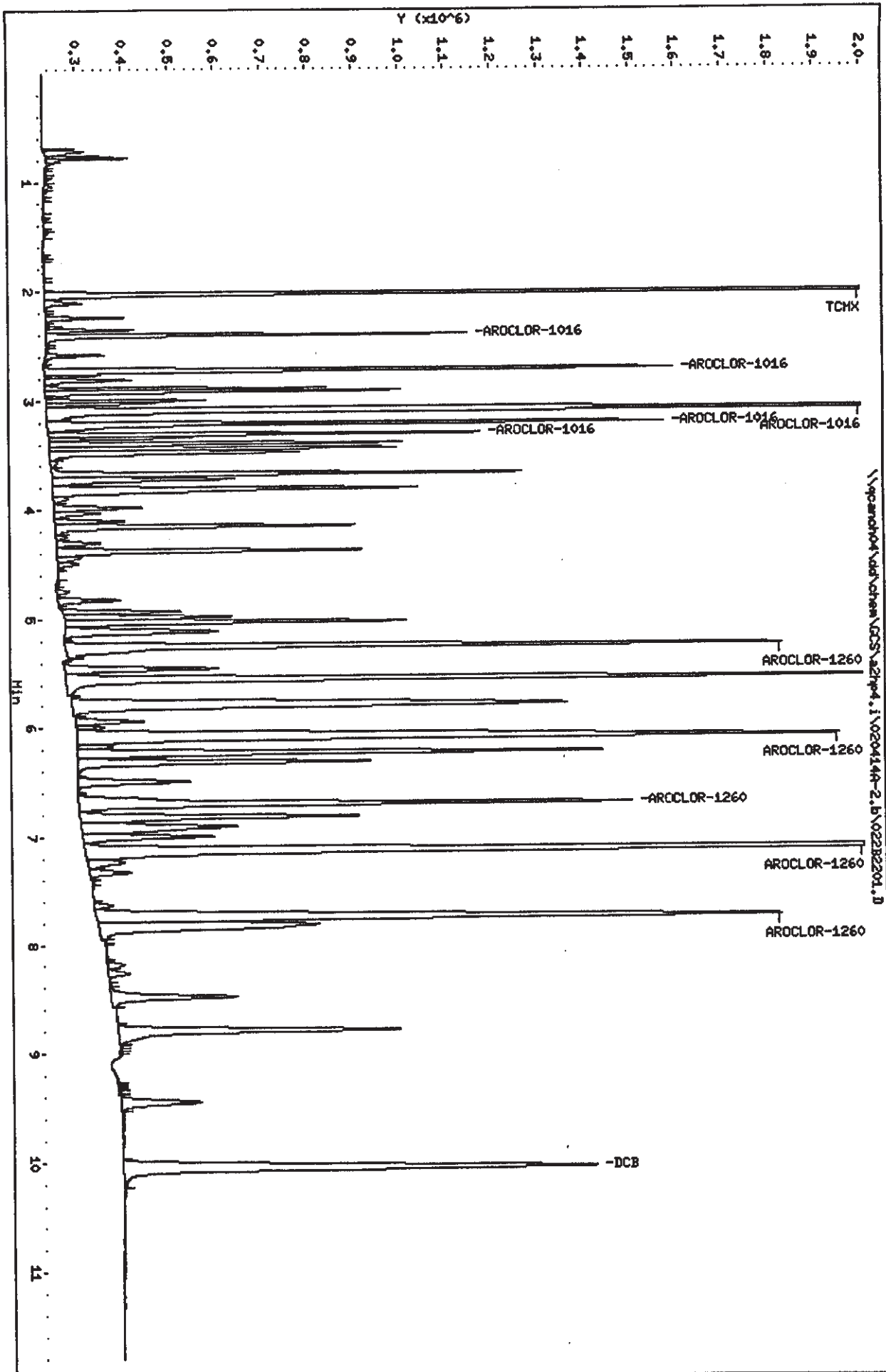
Sample Info: 1660,2

Column phase: restek pest c1pi

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\053B5301.D
 Report Date: 15-Apr-2002 04:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-APR-2002 03:49
 Lab File ID: 053B5301.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	113595040	0.010	-10.3	15.0
3 AROCLOR-1016 (1)	1852618	1661726	0.010	-10.3	15.0
(2)	2759209	2488288	0.010	-9.8	15.0
(3)	4975691	5014190	0.010	0.8	15.0
(4)	2654696	2524554	0.010	-4.9	15.0
(5)	1833962	1755098	0.010	-4.3	15.0
8 AROCLOR-1260 (1)	2977706	3034648	0.010	1.9	15.0
(2)	3193457	3211792	0.010	0.6	15.0
(3)	2203376	2311624	0.010	4.9	15.0
(4)	4808395	5243606	0.010	9.1	15.0
(5)	2693756	2895578	0.010	7.5	15.0
\$ 9 DCB	38588264	40816920	0.010	5.8	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\053B5301.D
 Report Date: 15-Apr-2002 12:25

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\053B5301.D
 Lab Smp Id: 1660
 Inj Date : 15-APR-2002 03:49
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL		TARGET RANGE		RATIO	
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)				
--	-----	-----	-----	-----	-----	-----		-----	

\$ 1 TCXK					CAS #: 877-09-8				
2.025	2.026	(-0.001)	2839876	0.02500	0.02243				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.404	2.405	(-0.001)	830863	0.50000	0.4485	75.00-	125.00	100.00	
2.725	2.726	(-0.001)	1244144	0.50000	0.4509	112.93-	188.21	149.74	
3.098	3.099	(-0.001)	2507095	0.50000	0.5039	220.77-	367.95	301.75	
3.216	3.217	(-0.001)	1262277	0.50000	0.4755	111.52-	185.87	151.92	
3.311	3.313	(-0.002)	877549	0.50000	0.4785	77.82-	129.70	105.62	
Average of Peak Amounts =					0.471				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.251	5.254	(-0.003)	1517324	0.50000	0.5096	75.00-	125.00	100.00	
6.090	6.091	(-0.001)	1605896	0.50000	0.5029	81.14-	135.23	105.84	
6.702	6.704	(-0.002)	1155812	0.50000	0.5246	56.96-	94.94	76.17	
7.123	7.126	(-0.003)	2621803	0.50000	0.5452	127.60-	212.67	172.79	
7.751	7.751	(0.000)	1447789	0.50000	0.5375	69.63-	116.05	95.42	
Average of Peak Amounts =					0.524				

\$ 9 DCB					CAS #: 2051-24-3				
10.050	10.052	(-0.002)	1020423	0.02500	0.02644				

Data File: \\qpcan04\ad\chem\GC5\az2pq4.1\020414a-2.b\05385301.D

Date: 15-SEP-2002 03:49

Client ID:

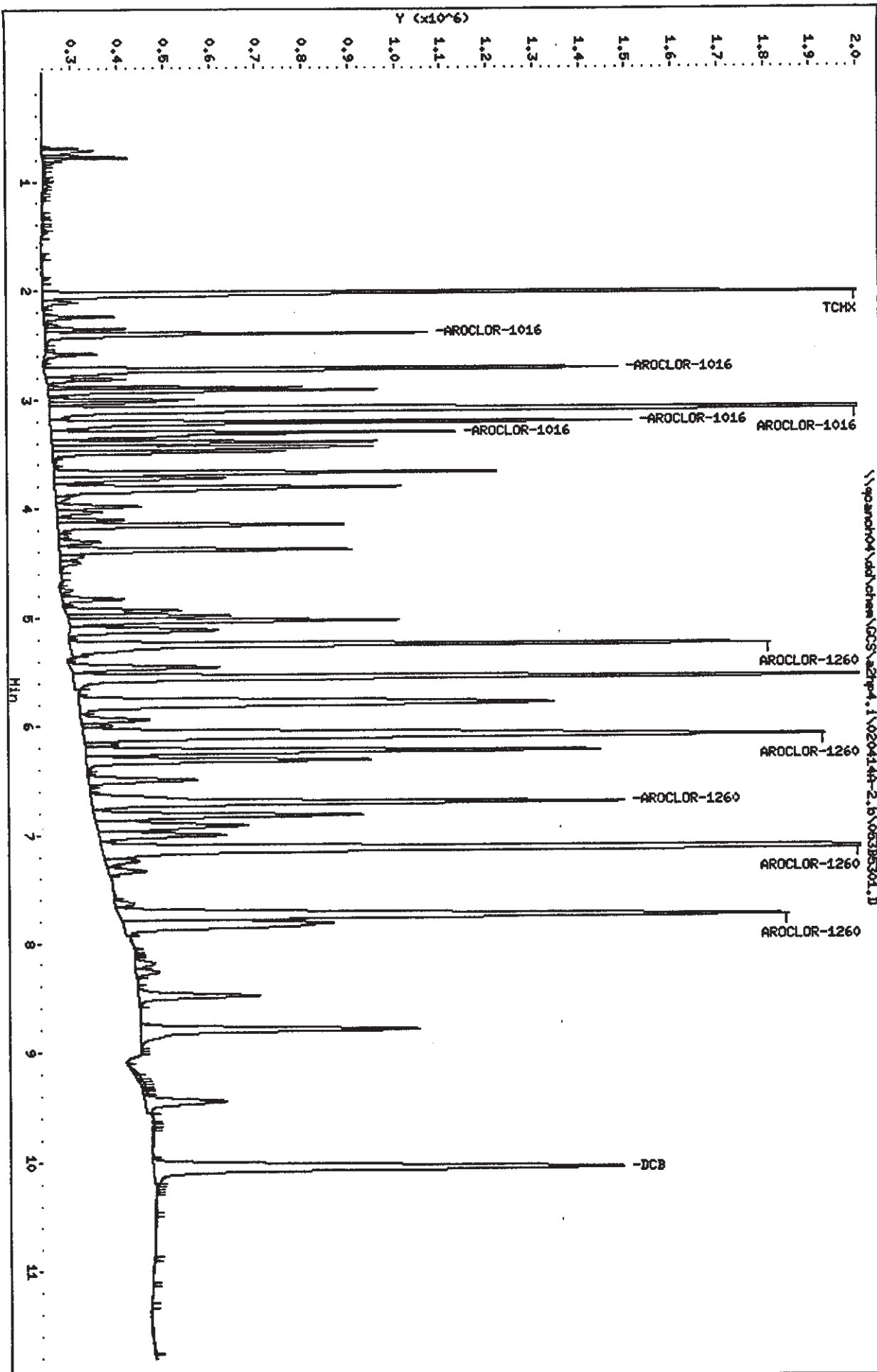
Sample Info: 1660,2

Column phase: restek pest c1pi

Instrument: az2pq4.i

Operator: 1808

Column diameter: 0.53



Data File: \\gcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Report Date: 15-Apr-2002 09:14

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-APR-2002 07:57
 Lab File ID: 068B6801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\gcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	112160520	0.010	-11.4	15.0
3 AROCLOR-1016 (1)	1852618	1643802	0.010	-11.3	15.0
(2)	2759209	2475046	0.010	-10.3	15.0
(3)	4975691	4838752	0.010	-2.8	15.0
(4)	2654696	2444254	0.010	-7.9	15.0
(5)	1833962	1705640	0.010	-7.0	15.0
8 AROCLOR-1260 (1)	2977706	2981130	0.010	0.1	15.0
(2)	3193457	3225112	0.010	1.0	15.0
(3)	2203376	2264252	0.010	2.8	15.0
(4)	4808395	5072052	0.010	5.5	15.0
(5)	2693756	2767596	0.010	2.7	15.0
\$ 9 DCB	38588264	40178360	0.010	4.1	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Report Date: 15-Apr-2002 12:28

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Lab Smp Id: 1660
 Inj Date : 15-APR-2002 07:57
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 68
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: CANPGCSV02

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	CAL-ANT (ng)	OW-COL (ng)	TARGET RANGE	RATIO	
--	-----	-----	-----	-----	-----	-----	-----	-----	

# 1 TCDF						CAS #: 877-09-8			
2.026	2.026	(0.000)		2804013	0.02500	0.02214			

3 AROCLOR-1016						CAS #: 12674-11-2			
2.405	2.405	(0.000)		821901	0.50000	0.4436	75.00- 125.00	100.00	
2.726	2.726	(0.000)		1237523	0.50000	0.4485	112.93- 188.21	150.57	
3.099	3.099	(0.000)		2419376	0.50000	0.4862	220.77- 367.95	294.36	
3.217	3.217	(0.000)		1222127	0.50000	0.4604	111.52- 185.87	148.70	
3.313	3.313	(0.000)		852820	0.50000	0.4650	77.82- 129.70	103.76	
Average of Peak Amounts =						0.461			

# 8 AROCLOR-1260						CAS #: 11096-82-5			
5.254	5.254	(0.000)		1490565	0.50000	0.5006	75.00- 125.00	100.00	
6.091	6.091	(0.000)		1612556	0.50000	0.5050	81.14- 135.23	108.18	
6.704	6.704	(0.000)		1132126	0.50000	0.5138	56.96- 94.94	75.95	
7.126	7.126	(0.000)		2536026	0.50000	0.5274	127.60- 212.67	170.14	
7.751	7.751	(0.000)		1383798	0.50000	0.5137	69.63- 116.05	92.84	
Average of Peak Amounts =						0.512			

# 9 DCB						CAS #: 2051-24-3			
10.052	10.052	(0.000)		1004459	0.02500	0.02603			

Data File: \\gsarc04\vd\chem\GCS\ad2hp4.1\020414A-2.b\06886801.D

Date: 15-APR-2002 07:57

Client ID:

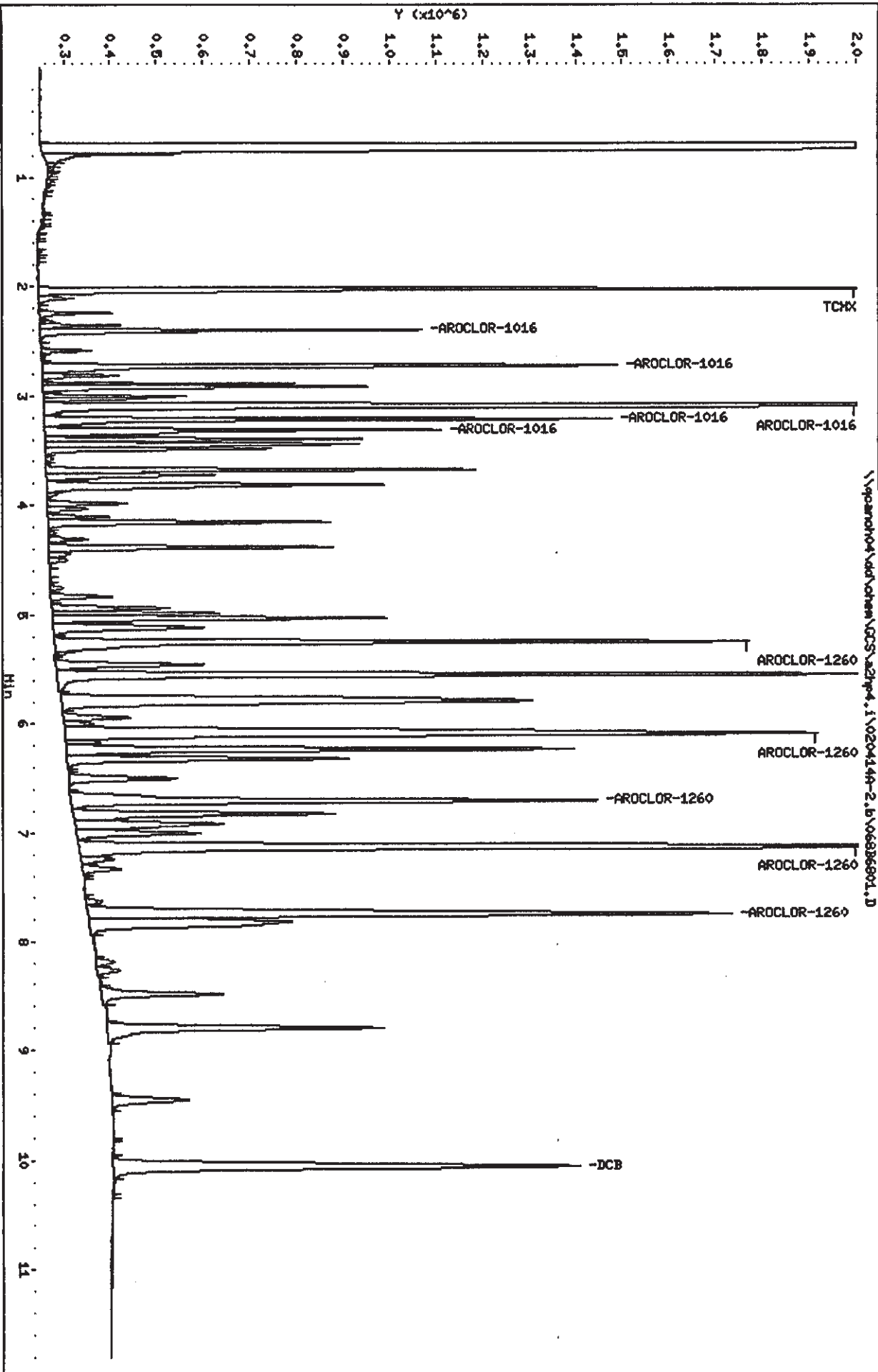
Sample Info: 1660,2

Instrument: ad2hp4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p11



PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090103

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		1232	04/15/02	1420		
02		1242	04/15/02	1436		
03		1248	04/15/02	1453		
04		2154	04/15/02	1509		
05		1660	04/16/02	0105		
06	EXMAGBLK	EXMAG1AA	04/16/02	0228		
07	EXMAGCHK	EXMAG1AC	04/16/02	0244		
08	S-00-040802-	EXKKK1AA	04/16/02	0300		
09	S-00-040802-	EXKKL1AA	04/16/02	0317		
10		1660	04/16/02	0529		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

16-APR-2002 13:23	12-ar1660td	079B7901.D
16-APR-2002 12:42	12-AR1660td	078B7801.D
16-APR-2002 11:49	12-AR1660td	077B7701.D
16-APR-2002 09:21	12-AR1660TD	069B6901.D
16-APR-2002 05:29	12-AR1660TD	055B5501.D
16-APR-2002 01:05	12-AR1660TD	039B3901.D
15-APR-2002 19:51	12-AR1660TD	022B2201.D
15-APR-2002 15:26	12-AR1660TD	006B0601.D
15-APR-2002 15:09	9-AR2154	005B0501.D
15-APR-2002 14:53	3-AR1248	004B0401.D
15-APR-2002 14:36	2-AR1242	003B0301.D
15-APR-2002 14:20	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\002B0201.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 15-APR-2002 14:20
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
4 AROCLOR-1232			CAS #: 11141-16-5			
2.405	2.407	(-0.002)	888214	0.50000	0.4089 75.00- 125.00	100.00
2.726	2.728	(-0.002)	538377	0.50000	0.4294 104.03- 173.39	60.61
3.098	3.100	(-0.002)	988441	0.50000	0.4616 161.98- 269.97	111.28
3.218	3.219	(-0.001)	490099	0.50000	0.4190 78.38- 130.64	55.18
3.677	3.679	(-0.002)	355716	0.50000	0.4540 58.68- 97.79	40.05
Average of Peak Amounts =				0.435		

Data File: \\qpcan04\vd\chem\GC5\2hp4.i\0204184-2.16\00280201.D

Date: 15-APR-2002 14:20

Client ID:

Sample Info: 1232,2

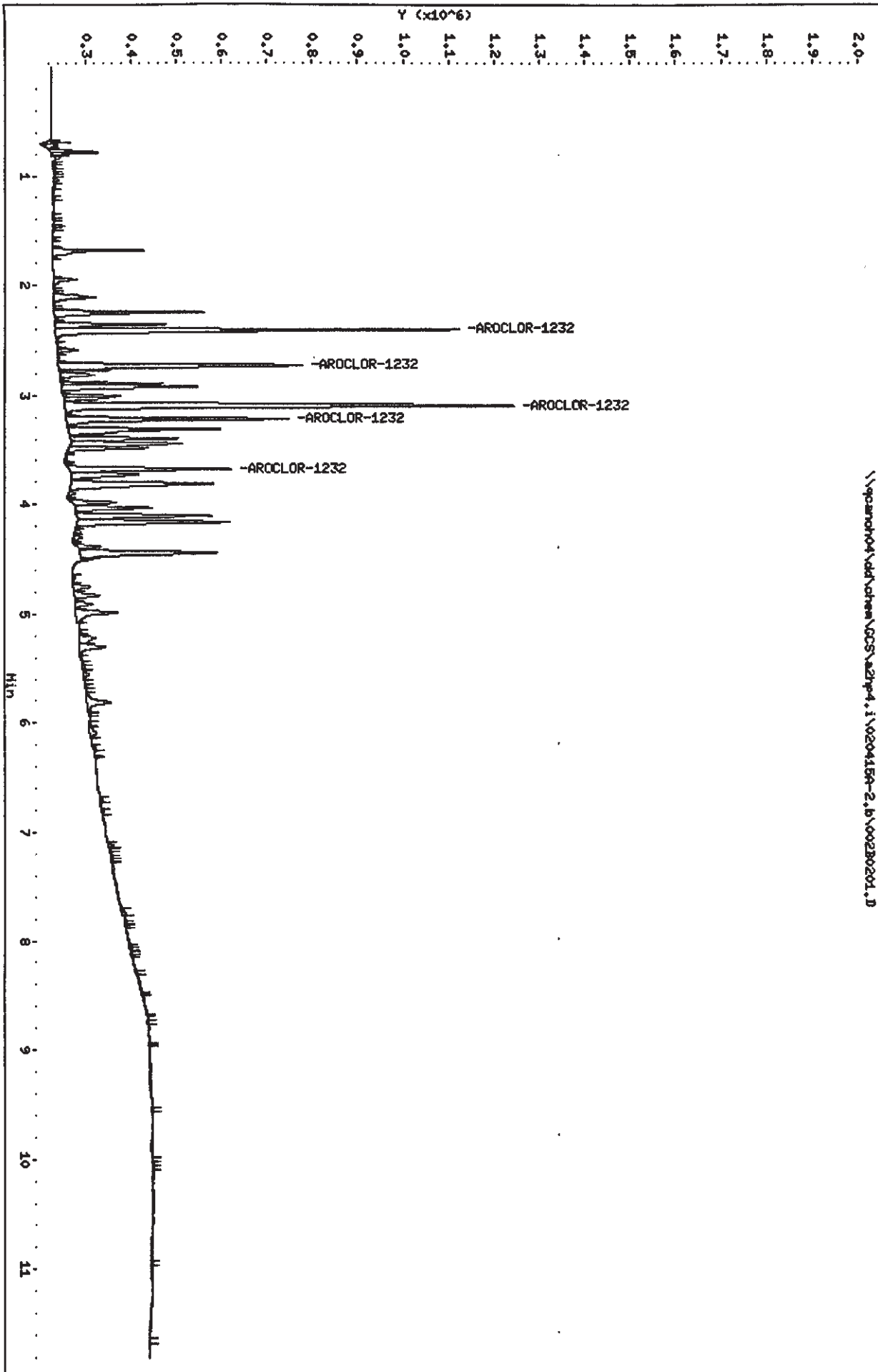
Column phase: restek past c1p1

Instrument: a2hp4.i

Operator: 1898

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\003B0301.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

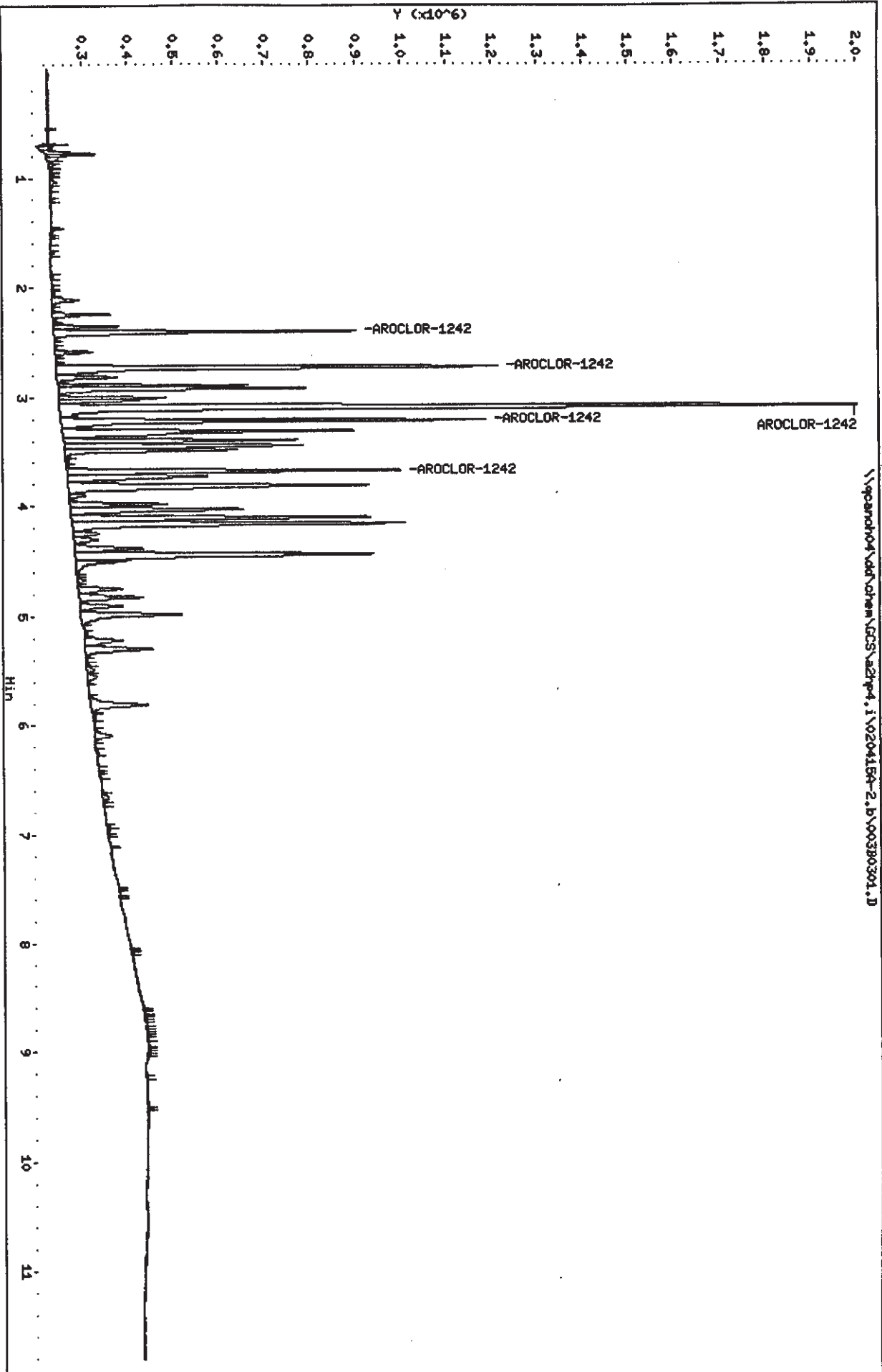
Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 15-APR-2002 14:36
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.405	2.407	(-0.002)	664644	0.50000	0.4142 75.00- 125.00	100.00
2.726	2.728	(-0.002)	971577	0.50000	0.4330 104.03- 173.39	146.18
3.098	3.100	(-0.002)	1856894	0.50000	0.4627 161.98- 269.97	279.38
3.217	3.219	(-0.002)	935952	0.50000	0.4332 78.38- 130.64	140.82
3.676	3.679	(-0.003)	736673	0.50000	0.4521 58.68- 97.79	110.84
Average of Peak Amounts =			0.439			

Data File: \\qpcand04\vd\chem\GCS\azhp4.1\020415a-2.b\00380301.D
Date: 15-APR-2002 14:36
Client ID:
Sample Info: 1242,2
Column phase: restek pest o/p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\004B0401.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 15-APR-2002 14:53
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.SUB
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL	TARGET RANGE	RATIO
..
6 AROCLOR-1248			CAS #: 12672-29-6				
2.726	2.728	(-0.002)	505085	0.50000	0.4010	75.00- 125.00	100.00
3.676	3.679	(-0.003)	1204753	0.50000	0.4327	42.30- 70.50	238.52
4.105	4.108	(-0.003)	1208171	0.50000	0.4377	6.10- 10.16	239.20
4.441	4.446	(-0.005)	1100298	0.50000	0.4402	1.66- 2.77	217.84
4.984	4.988	(-0.004)	617479	0.50000	0.4464	16.38- 27.30	122.25
Average of Peak Amounts =					0.432		

Data File: \\parran04\vd\chem\GC5\az2hp4.i\0204159-2.b\004B0401.D

Date: 15-APR-2002 14:53

Client ID:

Sample Info: 1248,2

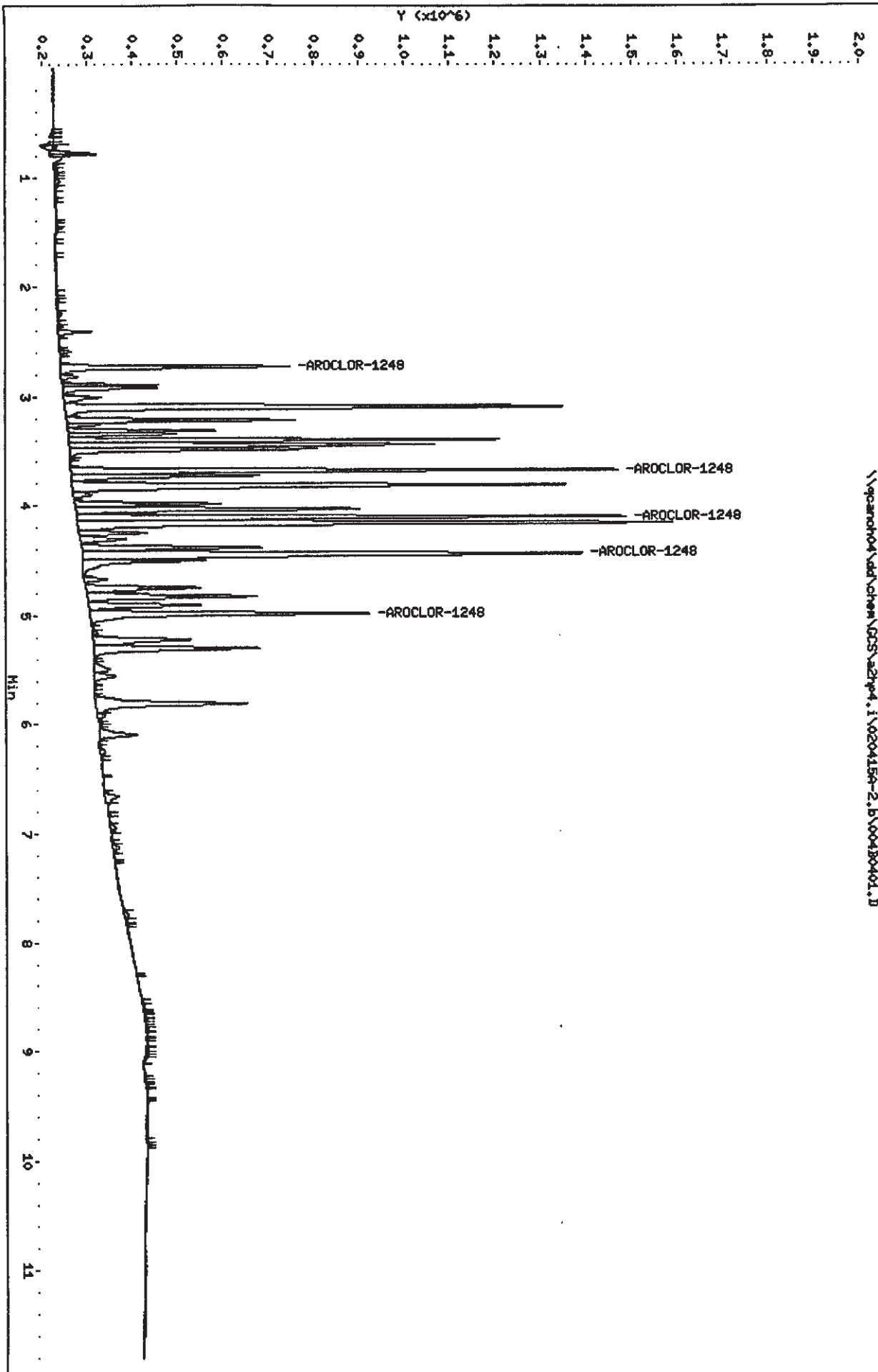
Column phase: restek past oipi

Instrument: az2hp4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\005B0501.D
 Report Date: 17-Apr-2002 06:14

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 15-APR-2002 15:09
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254						
CAS #: 11097-69-1						
3.399	3.400	(-0.001)	795870	0.50000	0.4116 75.00- 125.00	100.00
4.382	4.385	(-0.003)	1457586	0.50000	0.4354 65.40- 109.00	183.14
4.985	4.988	(-0.003)	2083374	0.50000	0.4464 39.55- 65.92	261.77
5.300	5.255	(0.045)	1271782	0.50000	0.4251 160.57- 267.62	159.80
6.092	6.094	(-0.002)	1415173	0.50000	0.4592 173.71- 289.51	177.81
Average of Peak Amounts =				0.436		

2 AROCLOR-1221						
CAS #: 11104-28-2						
2.244	2.247	(-0.003)	497466	0.50000	0.3882 75.00- 125.00	100.00
2.355	2.358	(-0.003)	331962	0.50000	0.3955 83.25- 138.76	66.73
2.405	2.407	(-0.002)	1081847	0.50000	0.3938 390.36- 650.60	217.47
Average of Peak Amounts =				0.392		

Data File: \\gsarc04\dd\chem\GCS\azhp4.1\020415a-2.b\005B0501.D

Date: 15-APR-2002 15:09

Client ID:

Sample Info: 2154,,2

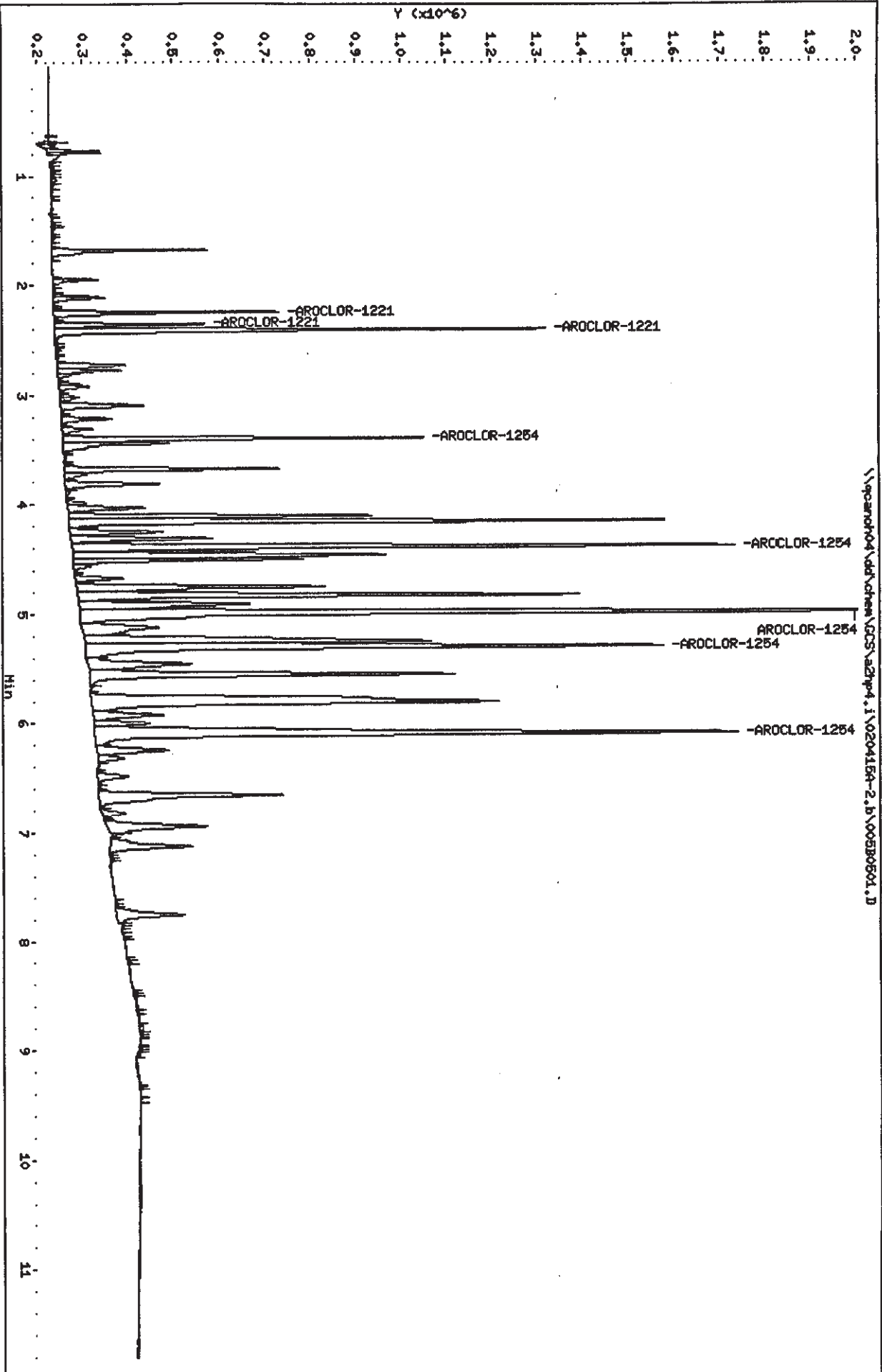
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\039B3901.D
 Report Date: 16-Apr-2002 01:17

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 01:05
 Lab File ID: 039B3901.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
# 1 TCMX	126620446	118654920	0.010	-6.3	15.0
3 AROCLOR-1016 (1)	1852618	1744270	0.010	-5.8	15.0
(2)	2759209	2546860	0.010	-7.7	15.0
(3)	4975691	4893494	0.010	-1.7	15.0
(4)	2654696	2511312	0.010	-5.4	15.0
(5)	1833962	1741088	0.010	-5.1	15.0
8 AROCLOR-1260 (1)	2977706	2633040	0.010	-11.6	15.0
(2)	3193457	2520900	0.010	-21.1	15.0
(3)	2203376	1919654	0.010	-12.9	15.0
(4)	4808395	4311284	0.010	-10.3	15.0
(5)	2693756	2350620	0.010	-12.7	15.0
# 9 DCB	38588264	33317280	0.010	-13.7	15.0

← MM 4/17/02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\039B3901.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 01:05
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660TD.SUB
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	RESPONSE	CAL-AMT (ng)	OW-COL (ng)	TARGET RANGE	RATIO	
..	

\$ 1	TCMX						CAS #: 877-09-8		
2.027	2.028	(-0.001)		2966373	0.02500	0.02343			

3	AROCLOR-1016						CAS #: 12674-11-2		
2.406	2.407	(-0.001)		872135	0.50000	0.4708	75.00- 125.00	100.00	
2.727	2.728	(-0.001)		1273430	0.50000	0.4615	107.38- 178.97	146.01	
3.100	3.101	(-0.001)		2446747	0.50000	0.4917	170.45- 284.09	280.55	
3.219	3.219	(0.000)		1255656	0.50000	0.4730	84.14- 140.23	143.97	
3.314	3.315	(-0.001)		870544	0.50000	0.4747	55.65- 92.75	99.82	
Average of Peak Amounts =						0.474			

8	AROCLOR-1260						CAS #: 11096-82-5		
5.254	5.257	(-0.003)		1316520	0.50000	0.4421	75.00- 125.00	100.00	
6.092	6.096	(-0.004)		1260450	0.50000	0.3947	80.94- 134.90	95.74	
6.705	6.708	(-0.003)		959827	0.50000	0.4356	55.38- 92.30	72.91	
7.127	7.129	(-0.002)		2155642	0.50000	0.4483	131.82- 219.71	163.74	
7.755	7.757	(-0.002)		1175310	0.50000	0.4363	70.86- 118.10	89.27	
Average of Peak Amounts =						0.431			

\$ 9	DCB						CAS #: 2051-24-3		
10.055	10.057	(-0.002)		832932	0.02500	0.02158			

Data File: \\separat04\vd\chem\GC5\azhp4.1\020415a-2.b\03983901.D

Date: 16-APR-2002 01:05

Client ID:

Sample Info: 1660,2

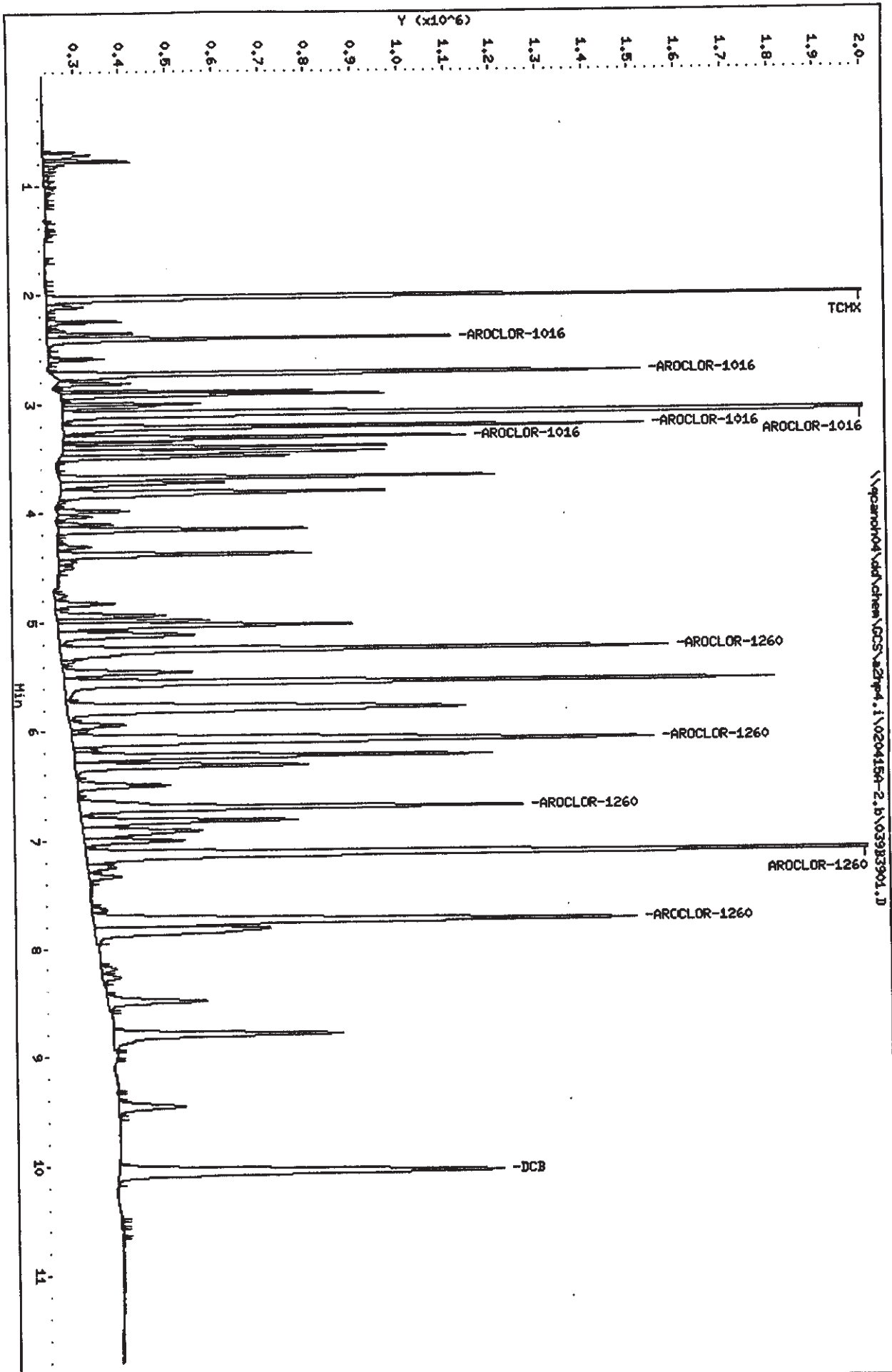
Column phase: restek past clip

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\055B5501.D
 Report Date: 16-Apr-2002 05:41

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 05:29
 Lab File ID: 055B5501.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 TCMX	126620446	116362720	0.010	-8.1	15.0
3 AROCLOR-1016 (1)	1852618	1688282	0.010	-8.9	15.0
(2)	2759209	2560954	0.010	-7.2	15.0
(3)	4975691	4952478	0.010	-0.5	15.0
(4)	2654696	2531110	0.010	-4.7	15.0
(5)	1833962	1782494	0.010	-2.8	15.0
8 AROCLOR-1260 (1)	2977706	2894248	0.010	-2.8	15.0
(2)	3193457	3031578	0.010	-5.1	15.0
(3)	2203376	2170544	0.010	-1.5	15.0
(4)	4808395	4782846	0.010	-0.5	15.0
(5)	2693756	2656190	0.010	-1.4	15.0
9 DCB	38588264	38657480	0.010	0.2	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\055B5501.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 05:29
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660TD.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1 TCMX					CAS #: 877-09-8	
2.026	2.028	(-0.002)	2909068	0.02500	0.02297	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.406	2.407	(-0.001)	844141	0.50000	0.4556 75.00- 125.00	100.00
2.727	2.728	(-0.001)	1280477	0.50000	0.4641 107.38- 178.97	151.69
3.101	3.101	(0.000)	2476239	0.50000	0.4977 170.45- 284.09	293.34
3.219	3.219	(0.000)	1265555	0.50000	0.4767 84.14- 140.23	149.92
3.314	3.315	(-0.001)	891247	0.50000	0.4860 55.65- 92.75	105.58
Average of Peak Amounts =				0.476		

8 AROCLOR-1260					CAS #: 11096-82-5	
5.254	5.257	(-0.003)	1447124	0.50000	0.4860 75.00- 125.00	100.00
6.092	6.096	(-0.004)	1515789	0.50000	0.4746 80.94- 134.90	104.74
6.704	6.708	(-0.004)	1085272	0.50000	0.4925 55.38- 92.30	75.00
7.126	7.129	(-0.003)	2391423	0.50000	0.4973 131.82- 219.71	165.25
7.753	7.757	(-0.004)	1328095	0.50000	0.4930 70.86- 118.10	91.77
Average of Peak Amounts =				0.489		

\$ 9 DCB					CAS #: 2051-24-3	
10.055	10.057	(-0.002)	966437	0.02500	0.02504	

Data File: \\qanah04\ndt\chem\DCS\22hp4.1\020415H-2.b\055B5501.D

Date: 16-APR-2002 05:29

Client ID:

Sample Info: 1660,,2

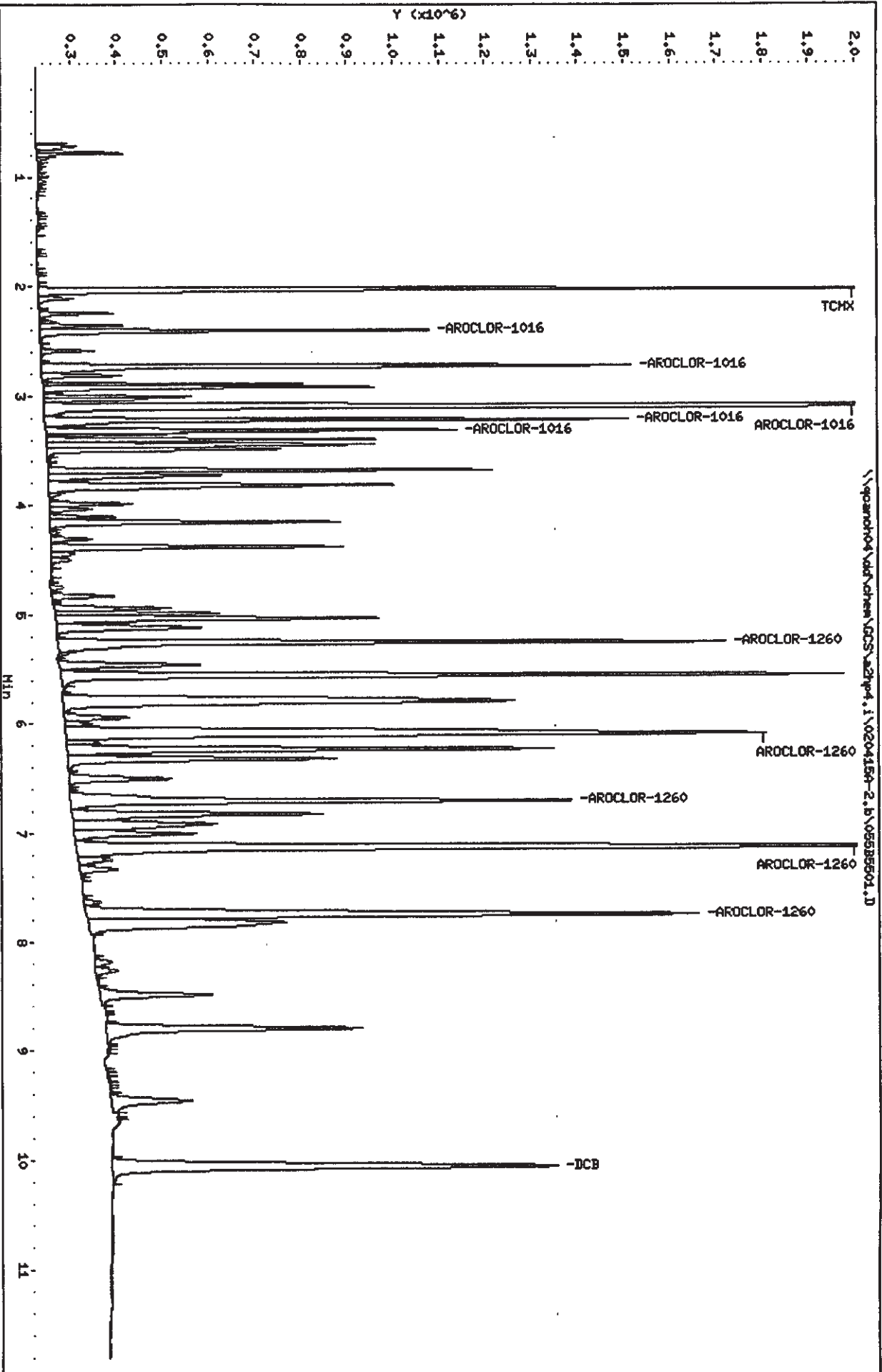
Instrument: 22hp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p1

\\qanah04\ndt\chem\DCS\22hp4.1\020415H-2.b\055B5501.D



PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090103

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		1232	04/16/02	1510		
02		1242	04/16/02	1527		
03		1248	04/16/02	1544		
04		2154	04/16/02	1600		
05		1660	04/16/02	1617		
06	S-00-040802-	EXKKC1AA	04/16/02	2041		
07		1660	04/16/02	2058		
08	S-00-040802-	EXKKH1AA	04/16/02	2131		
09	SD-00-040802	EXKKQ1AA	04/16/02	2147		
10	SD-00-040802	EXKKQ1AD	04/16/02	2204		
11	SD-00-040802	EXKKQ1AE	04/16/02	2220		
12		1660	04/17/02	0211		
13						
14						
15						
16						
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18						
19						
20						
21						
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27						
28						
29						
30						
31						
32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

17-APR-2002 18:11	12-AR1660td	100BA001.D
17-APR-2002 12:56	12-AR1660td	081B8101.D
17-APR-2002 07:09	12-AR1660td	060B6001.D
17-APR-2002 02:11	12-AR1660td	042B4201.D
16-APR-2002 20:58	12-AR1660td	023B2301.D
16-APR-2002 16:17	12-AR1660TD	006B0601.D
16-APR-2002 16:00	9-AR2154	005B0501.D
16-APR-2002 15:44	3-AR1248	004B0401.D
16-APR-2002 15:27	2-AR1242	003B0301.D
16-APR-2002 15:10	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\002B0201.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 16-APR-2002 15:10
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.SUB
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.405	2.405	(0.000)	1125522	0.50000	0.5182 75.00- 125.00	100.00
2.725	2.725	(0.000)	658796	0.50000	0.5254 43.90- 73.17	58.53
3.099	3.099	(0.000)	1101843	0.50000	0.5145 73.42- 122.37	97.90
3.217	3.217	(0.000)	597306	0.50000	0.5107 39.80- 66.34	53.07
3.677	3.677	(0.000)	389353	0.50000	0.4970 25.94- 43.24	34.59
Average of Peak Amounts =				0.513		

Data File: \\qcaran04\add\chem\SCS\azip4.1\020416-2.b\002B0201.D
Date: 16-06-2002 15:10

Client ID:

Sample Info: 1232,,2

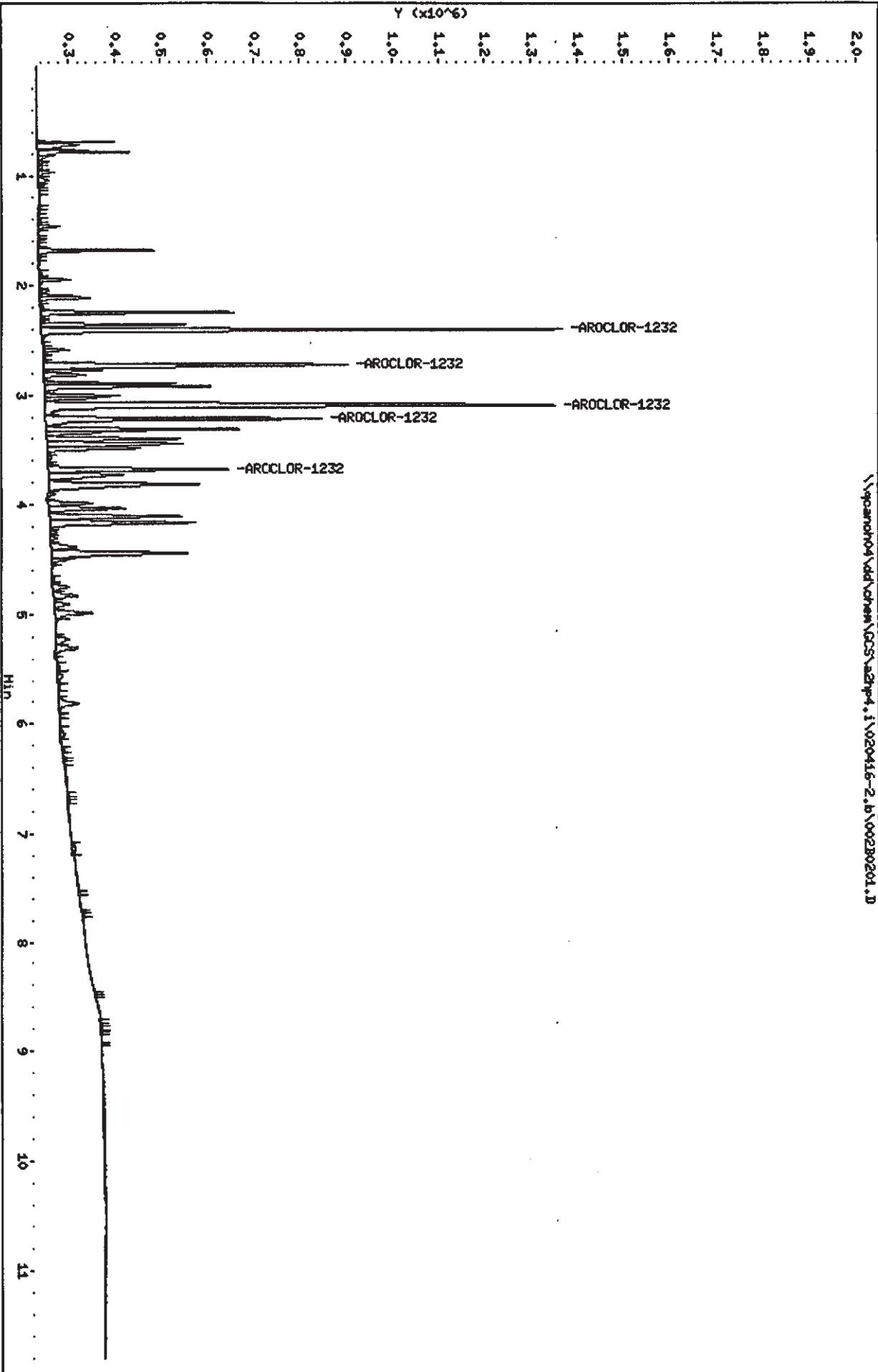
Column phase: restek pest c1p1

Instrument: azip4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\003B0301.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 16-APR-2002 15:27
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.SUB
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9				
2.405	2.405	(0.000)	843872	0.50000	0.5259	75.00- 125.00	100.00
2.725	2.725	(0.000)	1192481	0.50000	0.5315	105.98- 176.64	141.31
3.099	3.099	(0.000)	2132302	0.50000	0.5314	189.51- 315.85	252.68
3.217	3.217	(0.000)	1115531	0.50000	0.5164	99.14- 165.24	132.19
3.676	3.676	(0.000)	834735	0.50000	0.5123	74.19- 123.65	98.92
Average of Peak Amounts =					0.523		

Data File: \\parran04\ndf\chem\DCS\az2hp4.1\020416-2.b\003B0301.D

Date: 16-APR-2002 15:27

Client ID:

Sample Info: 1242,,2

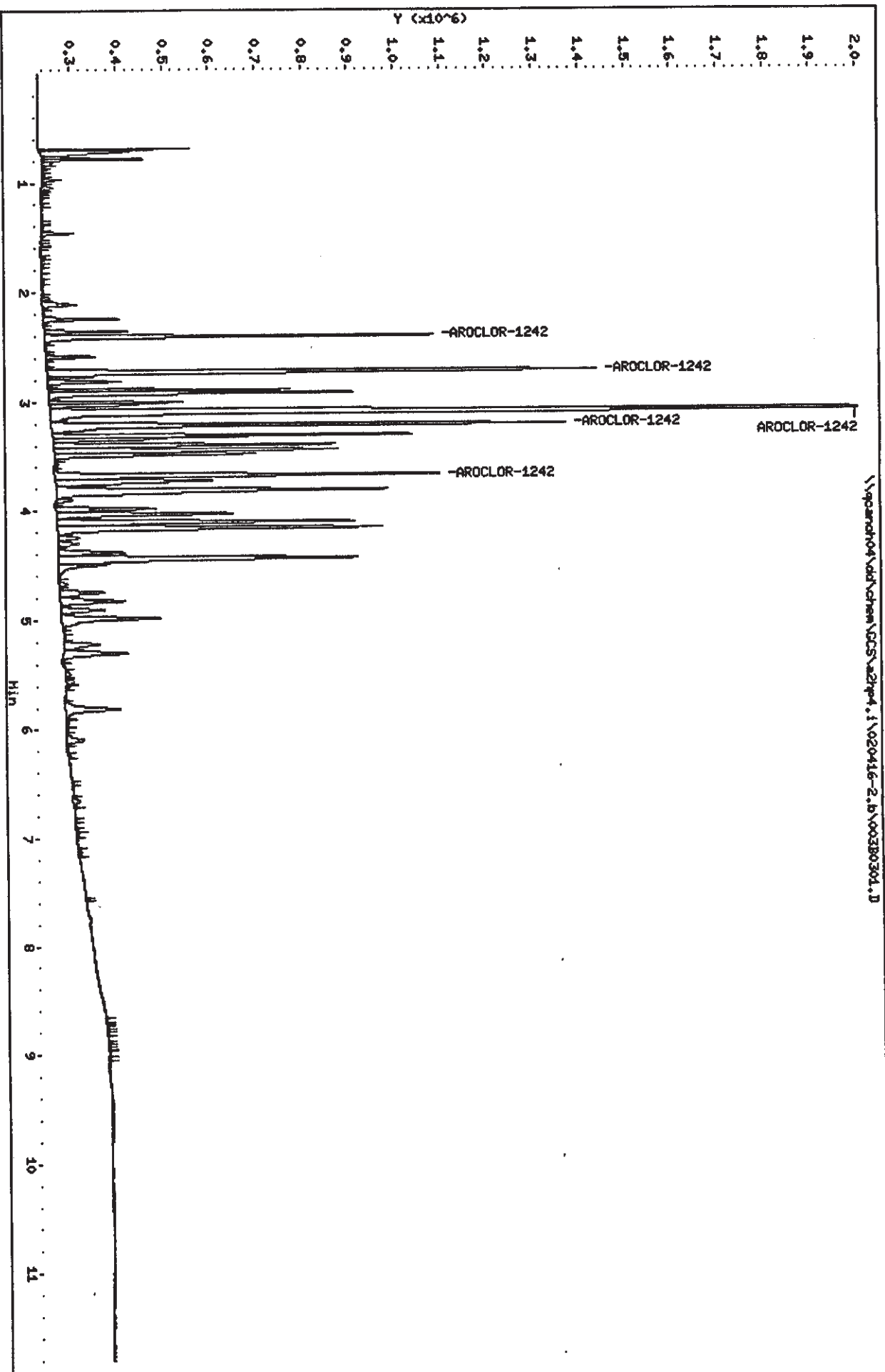
Column phase: restek pest c1p1

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\004B0401.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 16-APR-2002 15:44
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.SUB
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
--	-----	-----	-----	-----	-----	-----	-----	-----	
6 AROCLOR-1248				CAS #: 12672-29-6					
2.725	2.725	(0.000)		607494	0.50000	0.4823	75.00- 125.00	100.00	
3.678	3.678	(0.000)		1365787	0.50000	0.4905	168.62- 281.03	224.82	
4.106	4.106	(0.000)		1218346	0.50000	0.4414	150.41- 250.69	200.55	
4.443	4.443	(0.000)		1073228	0.50000	0.4294	132.50- 220.83	176.66	
4.987	4.987	(0.000)		615228	0.50000	0.4448	75.95- 126.59	101.27	
Average of Peak Amounts =						0.458			

Data File: \\qpcrn04\dd\chem\CCS\2hp4.1\020416-2.b\004B0401.D
Date : 16-APR-2002 15:44

Client ID:

Sample Info: 1248,,2

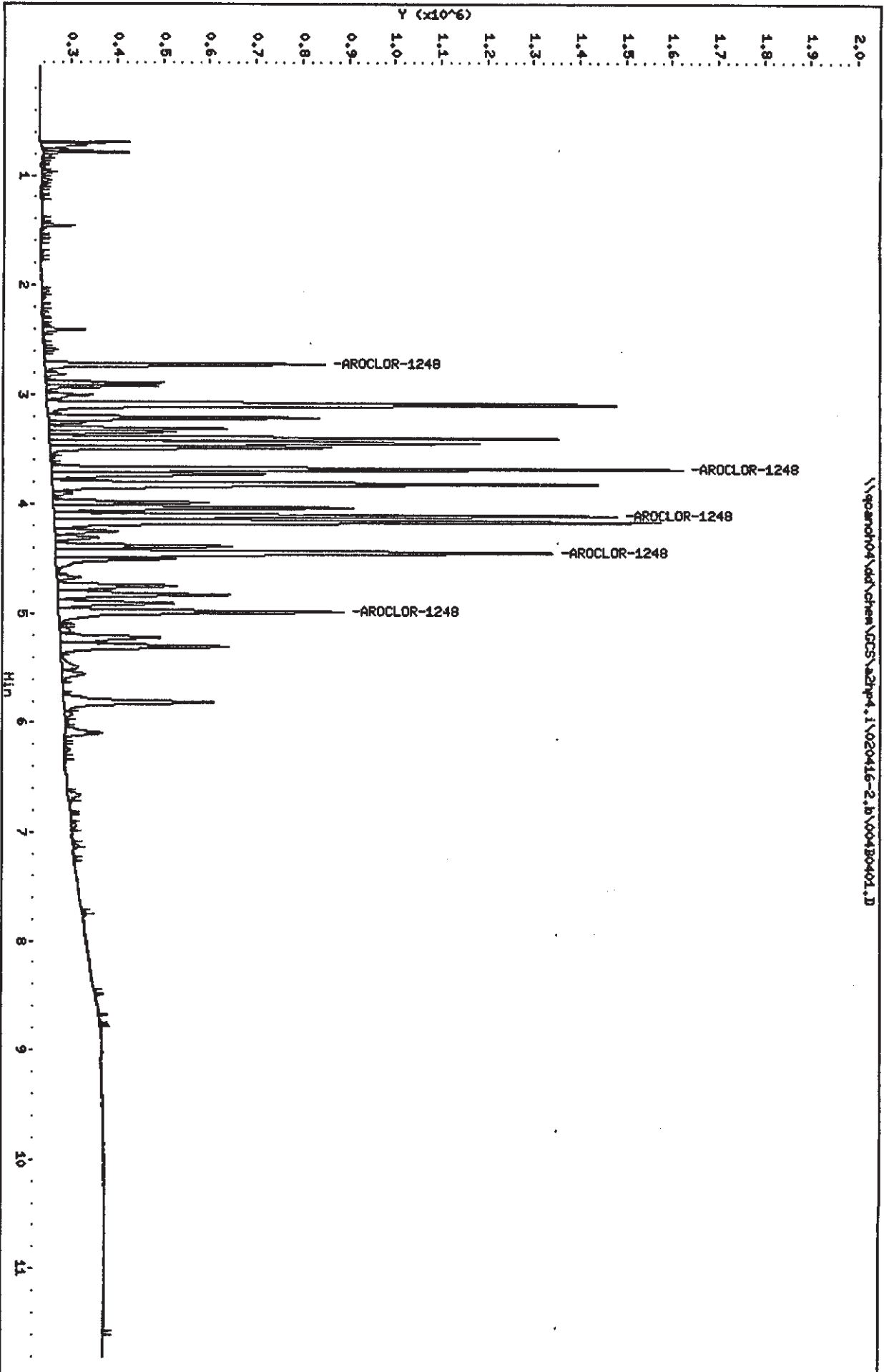
Column phase: restek pest c1PI

Instrument: 2hp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\005B0501.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 16-APR-2002 16:00
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.SUB
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254				CAS #: 11097-69-1			
3.398	3.398	(0.000)	925679	0.50000	0.4787	75.00- 125.00	100.00
4.383	4.383	(0.000)	1391431	0.50000	0.4157	112.74- 187.89	150.31
4.986	4.986	(0.000)	2010249	0.50000	0.4308	162.87- 271.46	217.16
5.301	5.301	(0.000)	1197278	0.50000	0.4002	97.01- 161.68	129.34
6.094	6.094	(0.000)	1278847	0.50000	0.4150	103.61- 172.69	138.15
Average of Peak Amounts =					0.428		

2 AROCLOR-1221				CAS #: 11104-28-2			
2.243	2.243	(0.000)	611233	0.50000	0.4770	75.00- 125.00	100.00
2.356	2.356	(0.000)	405482	0.50000	0.4831	49.75- 82.92	66.34
2.406	2.406	(0.000)	1320014	0.50000	0.4805	161.97- 269.95	215.96
Average of Peak Amounts =					0.48		

Data File: \\qpcan04\nd\Nchem\GCSS\azhp4.1\020416-2.b\005B0691.D

Date : 16-0PR-2002 16:00

Client ID:

Sample Info: 2154,,2

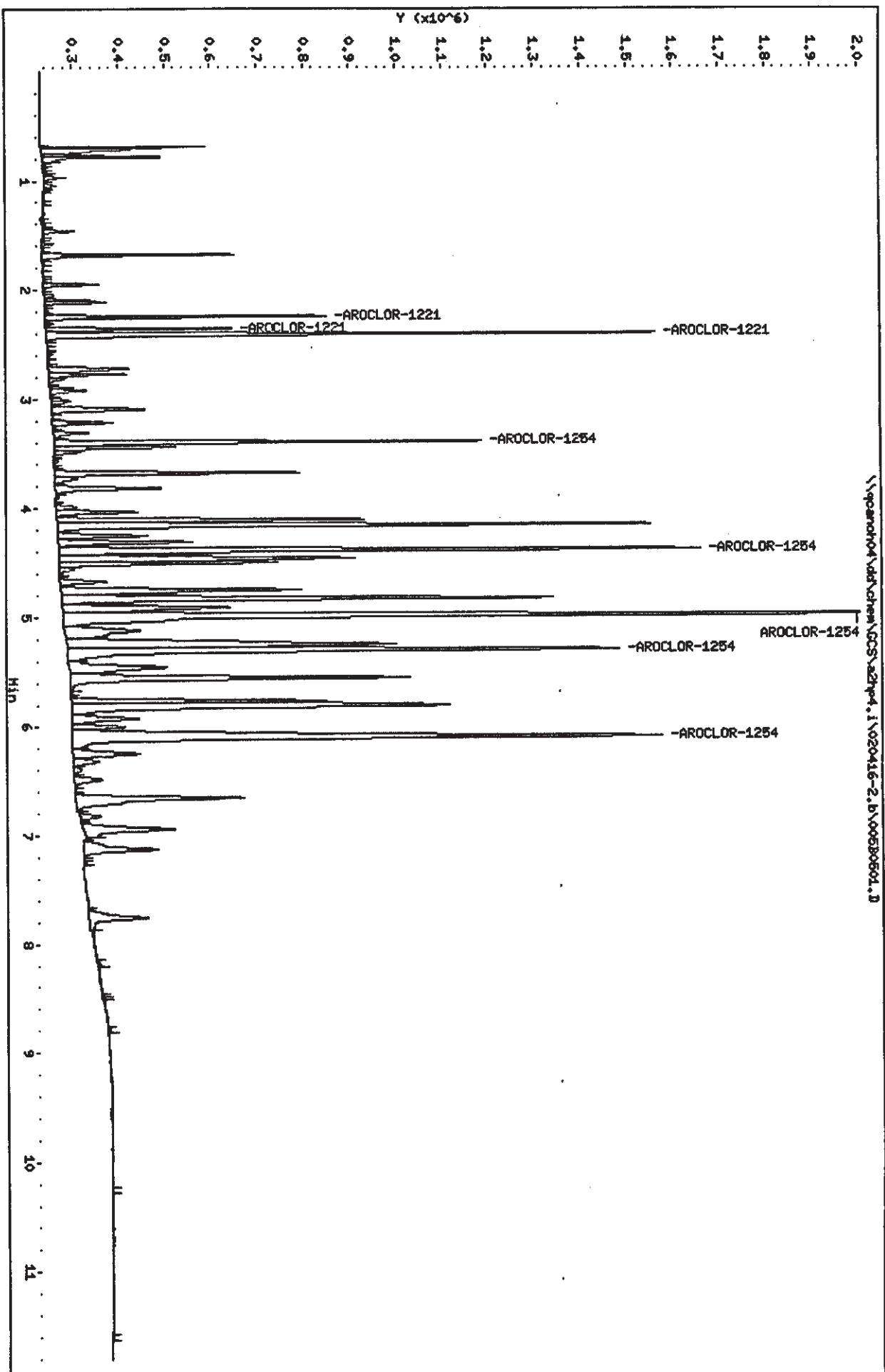
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\006B0601.D
 Report Date: 16-Apr-2002 16:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 16:17
 Lab File ID: 006B0601.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
-----	-----	-----	-----	-----	-----
\$ 1 TCMX	126620446	129143600	0.010	2.0	15.0
3 AROCLOR-1016 (1)	1852618	1869278	0.010	0.9	15.0
(2)	2759209	2805418	0.010	1.7	15.0
(3)	4975691	5151078	0.010	3.5	15.0
(4)	2654696	2709292	0.010	2.1	15.0
(5)	1833962	1903254	0.010	3.8	15.0
8 AROCLOR-1260 (1)	2977706	2713832	0.010	-8.9	15.0
(2)	3193457	2810012	0.010	-12.0	15.0
(3)	2203376	1912990	0.010	-13.2	15.0
(4)	4808395	4242976	0.010	-11.8	15.0
(5)	2693756	2355548	0.010	-12.6	15.0
\$ 9 DCB	38588264	33810760	0.010	-12.4	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\006B0601.D
 Report Date: 17-Apr-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\006B0601.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 16:17
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660TD.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1 TCXK					CAS #: 877-09-8	
2.027	2.027	(0.000)	3228590	0.02500	0.02550	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.406	2.406	(0.000)	934639	0.50000	0.5045 75.00- 125.00	100.00
2.728	2.726	(0.002)	1402709	0.50000	0.5084 108.42- 180.70	150.08
3.100	3.100	(0.000)	2575539	0.50000	0.5176 194.44- 324.07	275.57
3.218	3.218	(0.000)	1354646	0.50000	0.5103 103.23- 172.05	144.94
3.313	3.313	(0.000)	951627	0.50000	0.5189 73.63- 122.71	101.82
Average of Peak Amounts =				0.512		

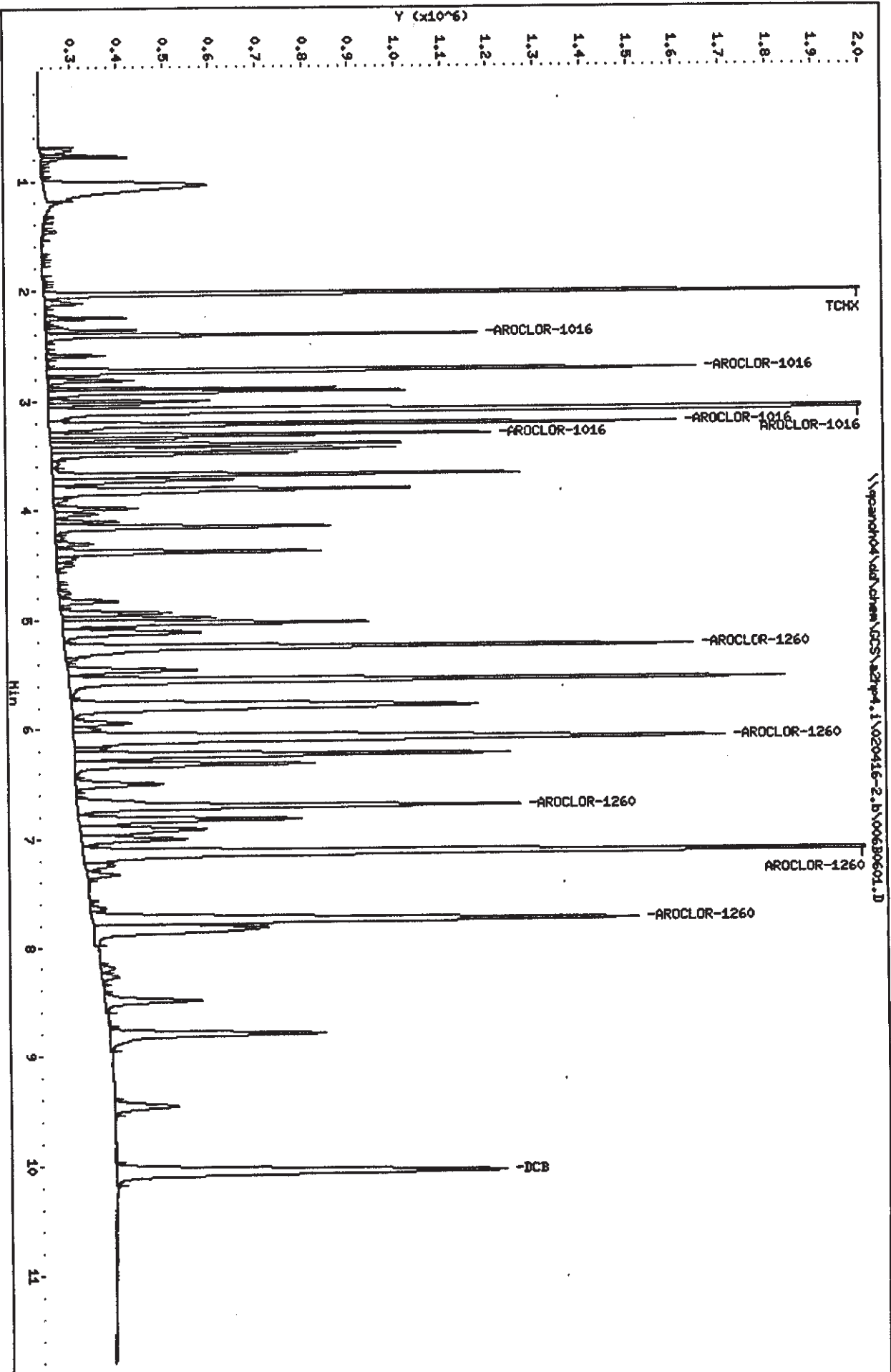
8 AROCLOR-1260					CAS #: 11096-82-5	
5.254	5.253	(0.001)	1356916	0.50000	0.4557 75.00- 125.00	100.00
6.094	6.093	(0.001)	1405006	0.50000	0.4400 80.61- 134.35	103.54
6.705	6.705	(0.000)	956495	0.50000	0.4341 55.16- 91.93	70.49
7.127	7.127	(0.000)	2121488	0.50000	0.4412 123.64- 206.06	156.35
7.754	7.754	(0.000)	1177774	0.50000	0.4372 69.47- 115.79	86.80
Average of Peak Amounts =				0.442		

\$ 9 DCB					CAS #: 2051-24-3	
10.055	10.055	(0.000)	845269	0.02500	0.02190	

Data File: \\qpcan004\nd\Nchem\SCS\21p4.1\020416-2.b\006B0601.D
Date: 16-08-2002 16:17
Client ID:
Sample Info: 1660,2

Column phase: restek pest o/p1

Instrument: 21p4.1
Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\023B2301.D
 Report Date: 16-Apr-2002 21:10

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 20:58
 Lab File ID: 023B2301.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 TCMX	126620446	130505920	0.010	3.1	15.0
3 AROCLOR-1016 (1)	1852618	1871894	0.010	1.0	15.0
(2)	2759209	2749854	0.010	-0.3	15.0
(3)	4975691	5042482	0.010	1.3	15.0
(4)	2654696	2648258	0.010	-0.2	15.0
(5)	1833962	1853196	0.010	1.0	15.0
8 AROCLOR-1260 (1)	2977706	2840904	0.010	-4.6	15.0
(2)	3193457	3031806	0.010	-5.1	15.0
(3)	2203376	2055412	0.010	-6.7	15.0
(4)	4808395	4608928	0.010	-4.1	15.0
(5)	2693756	2553946	0.010	-5.2	15.0
9 DCB	38588264	36773600	0.010	-4.7	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 20:58
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..

# 1 TCX						CAS #: 877-09-8	
2.027	2.027	(0.000)	3262648	0.02500	0.02577		

# 3 AROCLOR-1016							
						CAS #: 12674-11-2	
2.406	2.406	(0.000)	935947	0.50000	0.5052	75.00- 125.00	100.00
2.727	2.726	(0.001)	1374927	0.50000	0.4983	108.42- 180.70	146.90
3.101	3.100	(0.001)	2521241	0.50000	0.5067	194.44- 324.07	269.38
3.219	3.218	(0.001)	1324129	0.50000	0.4988	103.23- 172.05	141.47
3.314	3.313	(0.001)	926598	0.50000	0.5052	73.63- 122.71	99.00
Average of Peak Amounts =					0.503		

# 8 AROCLOR-1260							
						CAS #: 11096-82-5	
5.256	5.253	(0.003)	1420452	0.50000	0.4770	75.00- 125.00	100.00
6.094	6.093	(0.001)	1515903	0.50000	0.4747	80.61- 134.35	106.72
6.706	6.705	(0.001)	1027706	0.50000	0.4664	55.16- 91.93	72.35
7.127	7.127	(0.000)	2304464	0.50000	0.4792	123.64- 206.06	162.23
7.755	7.754	(0.001)	1276973	0.50000	0.4740	69.47- 115.79	89.90
Average of Peak Amounts =					0.474		

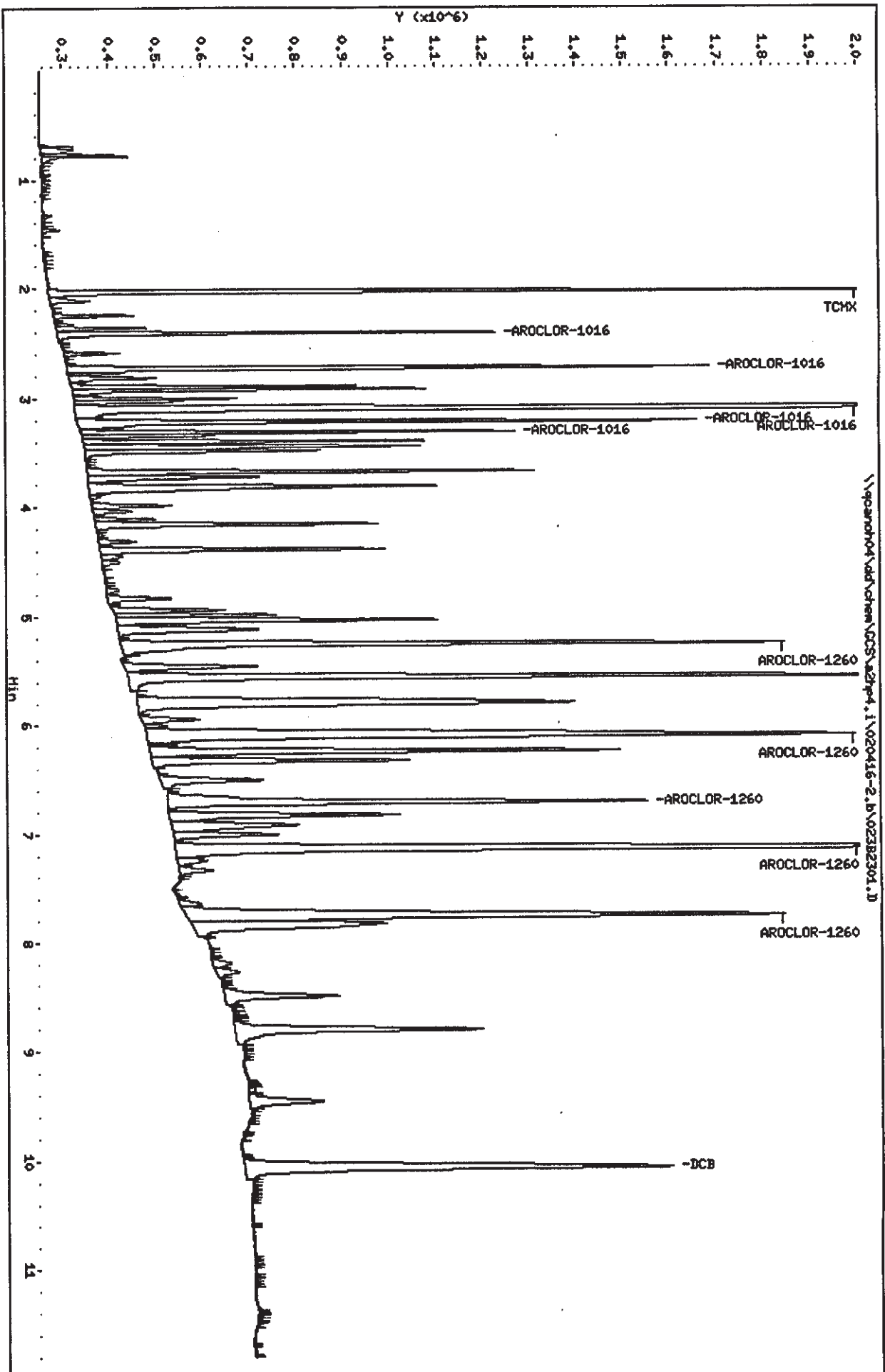
# 9 DCB							
						CAS #: 2051-24-3	
10.056	10.055	(0.001)	919340	0.02500	0.02382		

Data File: \\qpcan04\add\chem\GCSS\az2hp4.1\020416-2.1\023B2301.D
Date: 16-APR-2002 20:58
Client ID:
Sample Info: 1660,,2

Column phase: restek pest cipi

Instrument: az2hp4.1

Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\042B4201.D
 Report Date: 17-Apr-2002 02:23

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 17-APR-2002 02:11
 Lab File ID: 042B4201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 TCXK	126620446	124522400	0.010	-1.7	15.0
3 AROCLOR-1016 (1)	1852618	1793262	0.010	-3.2	15.0
(2)	2759209	2706776	0.010	-1.9	15.0
(3)	4975691	5060500	0.010	1.7	15.0
(4)	2654696	2622910	0.010	-1.2	15.0
(5)	1833962	1838300	0.010	0.2	15.0
8 AROCLOR-1260 (1)	2977706	3073490	0.010	3.2	15.0
(2)	3193457	3254578	0.010	1.9	15.0
(3)	2203376	2226298	0.010	1.0	15.0
(4)	4808395	4903750	0.010	2.0	15.0
(5)	2693756	2730634	0.010	1.4	15.0
9 DCB	38588264	38896080	0.010	0.8	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\042B4201.D
 Lab Smp Id: 1660
 Inj Date : 17-APR-2002 02:11
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	CM-COL (ng)	TARGET RANGE	RATIO
..

§ 1 TCME				CAS #: 877-09-8			
2.027	2.027	(0.000)	3113060	0.02500	0.02458		

§ 3 AROCLOR-1016				CAS #: 12674-11-2			
2.406	2.406	(0.000)	896631	0.50000	0.4840	75.00- 125.00	100.00
2.728	2.726	(0.002)	1353388	0.50000	0.4905	108.42- 180.70	150.94
3.100	3.100	(0.000)	2530250	0.50000	0.5085	194.44- 324.07	282.20
3.218	3.218	(0.000)	1311455	0.50000	0.4940	103.23- 172.05	146.26
3.313	3.313	(0.000)	919150	0.50000	0.5012	73.63- 122.71	102.51
Average of Peak Amounts =					0.496		

§ 8 AROCLOR-1260				CAS #: 11096-82-5			
5.255	5.253	(0.002)	1536745	0.50000	0.5161	75.00- 125.00	100.00
6.093	6.093	(0.000)	1627289	0.50000	0.5096	80.61- 134.35	105.89
6.705	6.705	(0.000)	1113149	0.50000	0.5052	55.16- 91.93	72.44
7.127	7.127	(0.000)	2451875	0.50000	0.5099	123.64- 206.06	159.55
7.754	7.754	(0.000)	1365317	0.50000	0.5068	69.47- 115.79	86.84
Average of Peak Amounts =					0.51		

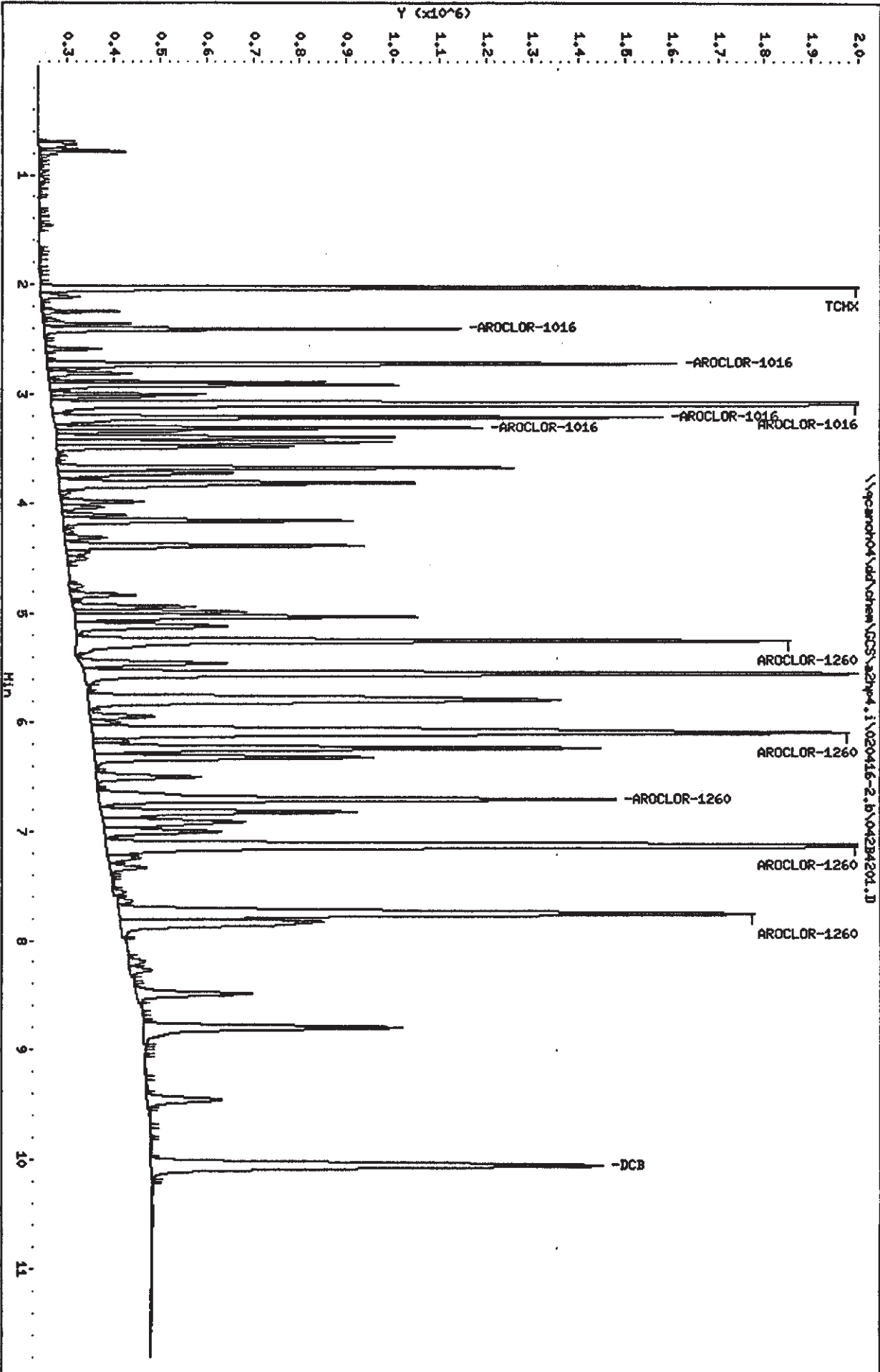
§ 9 DCB				CAS #: 2051-24-3			
10.054	10.055	(-0.001)	972402	0.02500	0.02520		

Data File: \\pcan04\4\dd\chem\SCS\21p4.1\020416-2.b\042B4201.D
Date: 17-APR-2002 02:11
Client ID:
Sample Info: 1660,,2

Column Phase: restek pest c1p1

Instrument: 21p4.1

Operator: 1808
Column diameter: 0.53





RAW QC DATA

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXL981AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-545
 Prep Date.....: 04/10/02 Analysis Date...: 04/14/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	87	(49 - 122)	SW846 8082
Aroclor 1260	105	(51 - 127)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	85	(31 - 127)
Decachlorobiphenyl	104	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXL981AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-545
 Prep Date.....: 04/10/02 Analysis Date...: 04/14/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	290	ug/kg	87	SW846 8082
Aroclor 1260	330	350	ug/kg	105	SW846 8082
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>	
Tetrachloro-m-xylene		85		(31 - 127)	
Decachlorobiphenyl		104		(23 - 141)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\008B0801.D
 Lab Smp Id: EXL981AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 14-APR-2002 13:14
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXL981AC
 Misc Info : 12-AR1660td.sub,SLCS.SPK
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

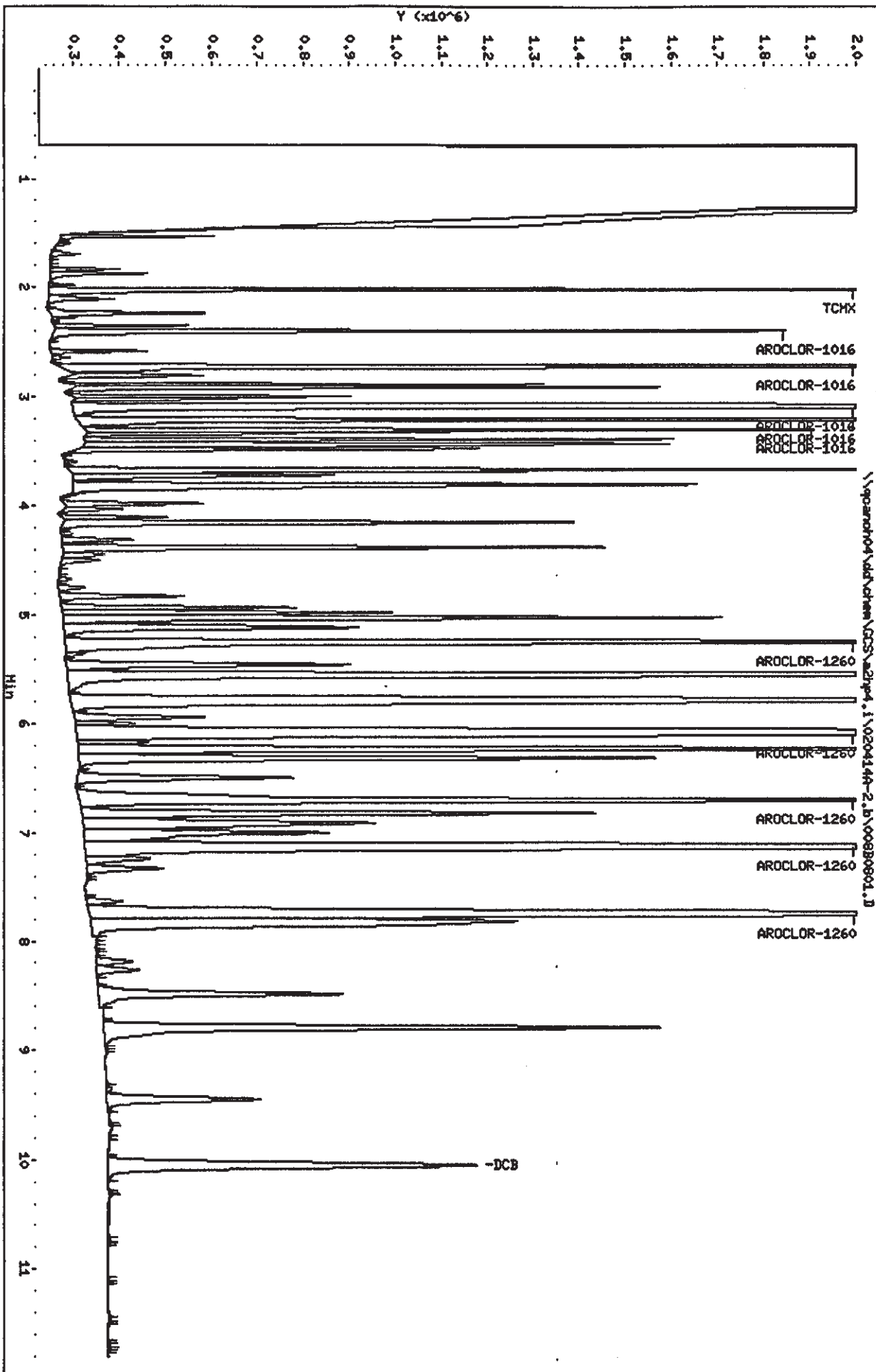
CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (	CM-COL	FINAL	TARGET RANGE
..
\$ 1 TCX			CAS #: 877-09-8			
2.025	2.026	(-0.001)	2162125	0.01708	5.692	
3 AROCLOR-1016			CAS #: 12674-11-2			
2.404	2.405	(-0.001)	1588769	0.85758	285.9	75.00- 125.00 100.00
2.725	2.726	(-0.001)	2343344	0.84928	283.1	112.93- 188.21 147.49
3.099	3.099	(0.000)	4484848	0.90135	300.4	220.77- 367.95 282.28
3.216	3.217	(-0.001)	2368877	0.89233	297.4	111.52- 185.87 149.10
3.311	3.313	(-0.002)	1584125	0.86377	287.9	77.82- 129.70 99.71
Average of Peak Concentrations =			290.9			
8 AROCLOR-1260			CAS #: 11096-82-5			
5.251	5.254	(-0.003)	2996158	1.00620	335.4	75.00- 125.00 100.00
6.089	6.091	(-0.002)	3336147	1.04468	348.2	81.14- 135.23 111.35
6.701	6.704	(-0.003)	2283523	1.03637	345.4	56.96- 94.94 76.22

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
8 AROCLOR-1260 (continued)							
7.122	7.126	(-0.004)	5176891	1.07664	358.9	127.60- 212.67	172.78
7.750	7.751	(-0.001)	2903953	1.07803	359.3	69.63- 116.05	96.92
Average of Peak Concentrations =					349.4		

8 9 DCB				CAS #: 2051-24-3			
10.049	10.052	(-0.003)	803963	0.02083	6.945		

Data File: \\parran04\vd\chem\GC5\azhp4.1\020414R-2.B\008B0801.D
Date: 14-APR-2002 13:14
Client ID: INTR-LAB CHECK
Sample Infol: EXL981AC
Volume Injected (uL): 1.0
Column phase: restek pest oilPI

Instrument: azhp4.1
Operator: 1908
Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMAG1AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-546
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	73	(49 - 122)	SW846 8082
Aroclor 1260	75	(51 - 127)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	72	(31 - 127)
Decachlorobiphenyl	76	(23 - 141)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMAGIAC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-546
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	240	ug/kg	73	SW846 8082
Aroclor 1260	330	250	ug/kg	75	SW846 8082
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>	
Tetrachloro-m-xylene		72		(31 - 127)	
Decachlorobiphenyl		76		(23 - 141)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\045B4501.D
 Report Date: 17-Apr-2002 06:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\045B4501.D
 Lab Smp Id: EXMAG1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 16-APR-2002 02:44
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMAG1AC
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO

\$	1	TCMX				CAS #: 877-09-8	
2.027	2.028	(-0.001)		1824005	0.01441	4.802	

3	AROCLOR-1016					CAS #: 12674-11-2	
2.406	2.407	(-0.001)		1322134	0.71366	237.9 75.00- 125.00	100.00
2.727	2.728	(-0.001)		1934938	0.70127	233.8 107.38- 178.97	146.35
3.100	3.101	(-0.001)		3790602	0.76182	253.9 170.45- 284.09	286.70
3.219	3.219	(0.000)		1961433	0.73885	246.3 84.14- 140.23	148.35
3.314	3.315	(-0.001)		1350203	0.73622	245.4 55.65- 92.75	102.12
Average of Peak Concentrations =						243.5	

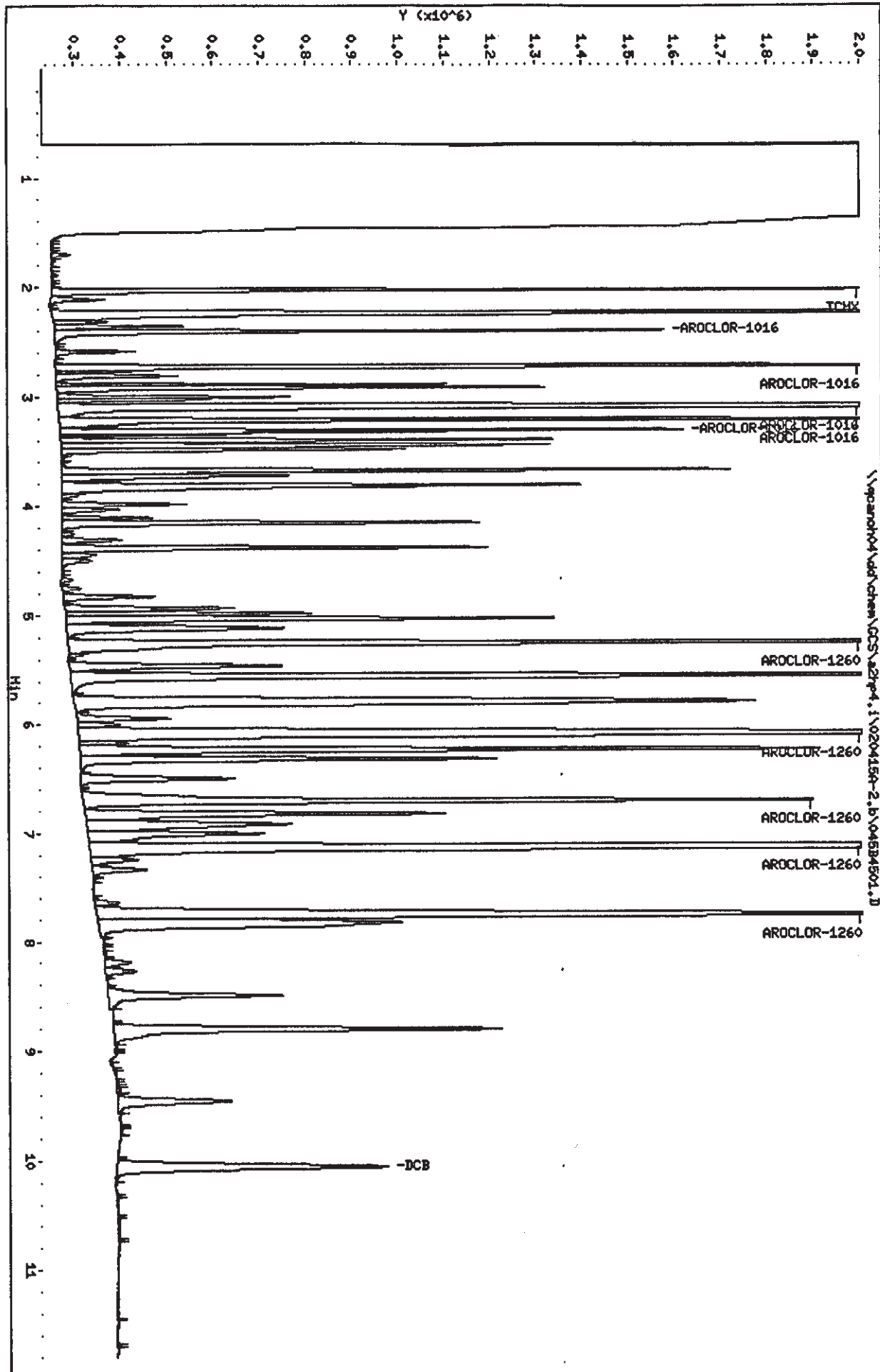
6	AROCLOR-1260					CAS #: 11096-82-5	
5.254	5.257	(-0.003)		2198618	0.73836	246.1 75.00- 125.00	100.00
6.093	6.096	(-0.003)		2369986	0.74214	247.4 80.94- 134.90	107.79
6.704	6.708	(-0.004)		1580462	0.71729	239.1 55.38- 92.30	71.88

CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
*****	*****	*****	RESPONSE (ng)	(ug/kg)	*****	*****	*****
8 AROCLOR-1260 (continued)							
7.127	7.129	(-0.002)	3823022	0.79507	265.0	131.82- 219.71	173.88
7.754	7.757	(-0.003)	2030511	0.79378	251.3	70.86- 118.10	92.35
Average of Peak Concentrations =				249.8			

8	9 DCB				CAS #: 2051-24-3		
10.054	10.057	(-0.003)	588234	0.01524	5.081		

Data File: \\parran04\dat\chem\GCS\az2hp4.1\020415R-2.b\045B4501.D
 Date: 16-Apr-2002 02:44
 Client ID: INTRA-LAB CHECK
 Sample Info: EXHAGLAC
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: az2hp4.1
 Operator: 1808
 Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMKM1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-102 EXMKM1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #...: 2100102
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Dissolved Aroclor-1016	101	(61 - 118)			SW846 8082
	94	(61 - 118)	7.3	(0-20)	SW846 8082
Dissolved Aroclor 1260	97	(61 - 124)			SW846 8082
	109	(61 - 124)	12	(0-27)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(45 - 120)
	78	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	53	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: A2D090103 Work Order #....: EXMKM1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-102 EXMKM1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #....: 2100102
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Dissolved Aroclor-1016	10	10	ug/L	101		SW846 8082
	10	9.4	ug/L	94	7.3	SW846 8082
Dissolved Aroclor 1260	10	9.7	ug/L	97		SW846 8082
	10	11	ug/L	109	12	SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	92	(45 - 120)
	78	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	53	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\096B9601.D
 Lab Smp Id: EXMKM1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 13-APR-2002 16:16
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AC,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL		TARGET RANGE	RATIO
			RESPONSE (ng)	FINAL (ug/L)		
#	1	TCMX			CAS #: 877-09-8	
2.027	2.025	(0.002)	2328859	0.01839	0.1839	

#	3	AROCLOR-1016			CAS #: 12674-11-2	
2.405	2.404	(0.001)	1764591	0.95248	9.525 75.00- 125.00	100.00
2.727	2.726	(0.001)	2665410	0.96600	9.660 113.88- 189.79	151.05
3.100	3.098	(0.002)	5298647	1.06491	10.65 218.52- 364.20	300.28
3.218	3.217	(0.001)	2675623	1.00788	10.08 113.09- 188.49	151.63
3.313	3.312	(0.001)	1902194	1.03720	10.37 78.92- 131.53	107.80
Average of Peak Concentrations =			10.06			

#	8	AROCLOR-1260			CAS #: 11096-82-5	
5.252	5.251	(0.001)	3118633	1.04733	10.47 75.00- 125.00	100.00
6.091	6.089	(0.002)	3415402	1.06950	10.69 79.59- 132.65	109.52
6.702	6.701	(0.001)	2084191	0.94591	9.459 57.22- 95.37	66.83

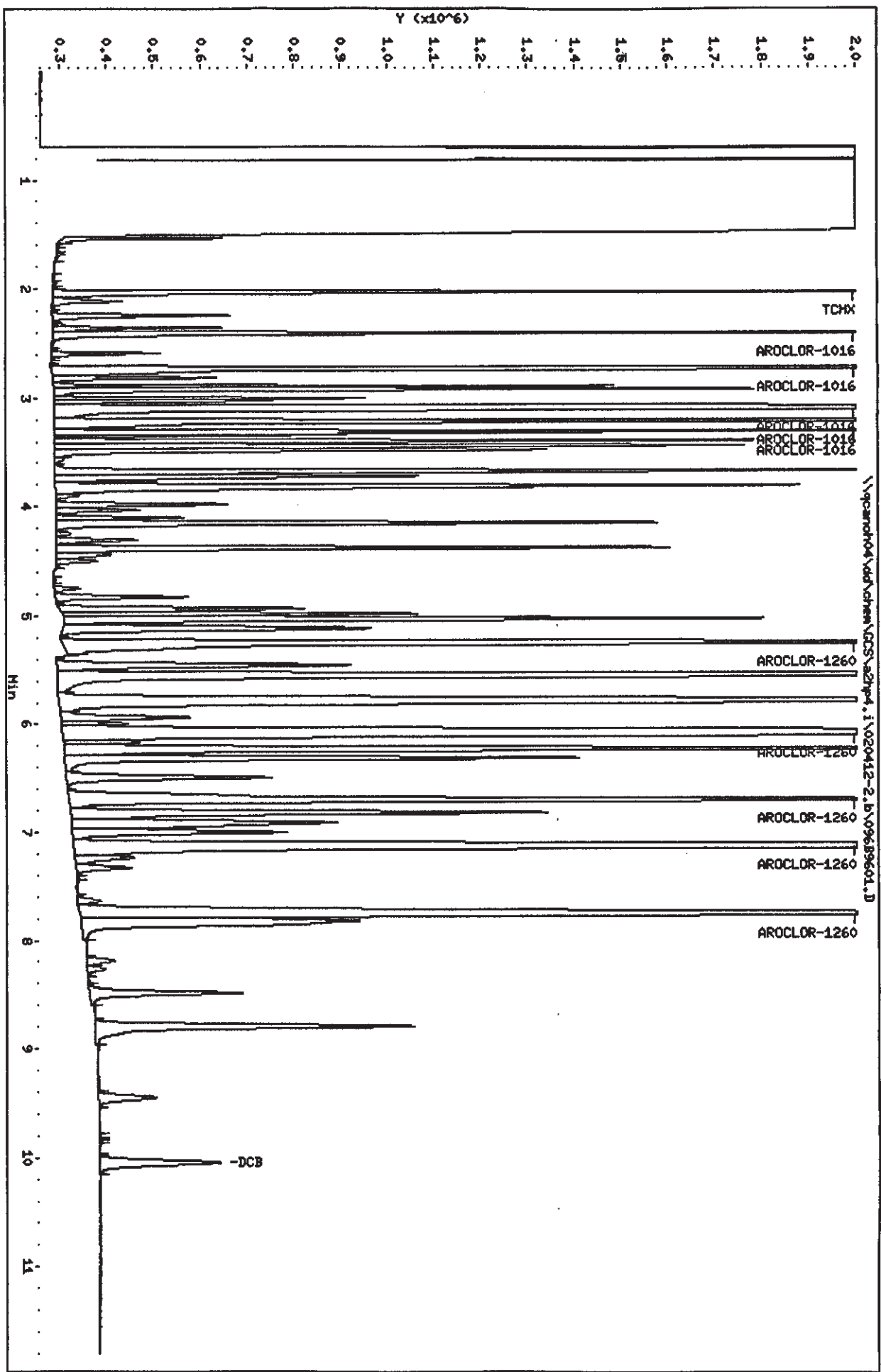
Data File: \\qcanoh04\dd\chem\GCS\2hp4.i\020412-2.b\096B9601.D
 Report Date: 15-Apr-2002 09:53

CONCENTRATIONS								
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
..	
8 AROCLOR-1260 (continued)								
7.125	7.122	(0.003)	4375713	0.91002	9.100	126.31- 210.52	140.31	
7.752	7.750	(0.002)	2300799	0.85412	8.541	70.89- 118.16	73.78	
Average of Peak Concentrations =					9.652			

\$	9	DCB						CAS #: 2051-24-3
10.049	10.047	(0.002)	259569	0.00673	0.06727			

Data File: \\qpcandh04\vd\chem\GCS\ad2hp4.i\020412-2.b\09689601.D
 Date: 13-APR-2002 16:16
 Client ID: INTRR-LAB CHECK
 Sample Info: ENKRLAC.5
 Purge Volume: 1000.0
 Column phase: restek pest c1p1

Instrument: ad2hp4.i
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\097B9701.D
 Lab Smp Id: EXMKM1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 13-APR-2002 16:33
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AD,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----
§ 1 TCXK CAS #: 877-09-8						
2.027	2.025	(0.002)	1985053	0.01568	0.1568	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.405	2.404	(0.001)	1573501	0.84934	8.493 75.00- 125.00	100.00
2.727	2.726	(0.001)	2437074	0.88325	8.832 113.88- 189.79	154.88
3.099	3.098	(0.001)	5100955	1.02518	10.25 218.52- 364.20	324.18
3.217	3.217	(0.000)	2512134	0.94630	9.463 113.09- 188.49	159.65
3.312	3.312	(0.000)	1782598	0.97199	9.720 78.92- 131.53	113.29
Average of Peak Concentrations =				9.352		

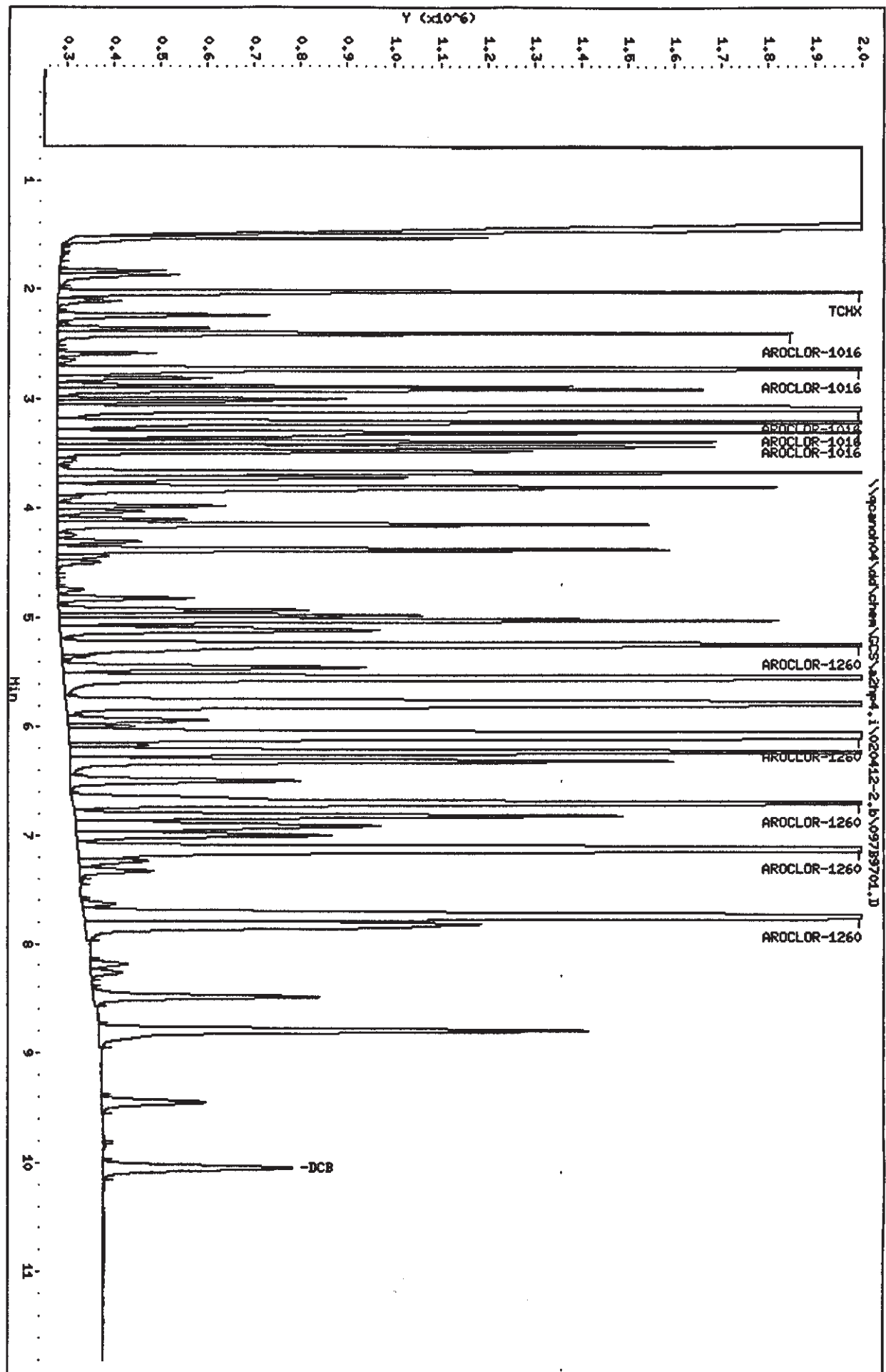
8 AROCLOR-1260 CAS #: 11096-82-5						
5.252	5.251	(0.001)	3213436	1.07916	10.79 75.00- 125.00	100.00
6.090	6.089	(0.001)	3541566	1.10901	11.09 79.59- 132.65	110.21
6.702	6.701	(0.001)	2375217	1.07799	10.78 57.22- 95.37	73.92

CONCENTRATIONS								
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
8 AROCLOR-1260 (continued)								
7.123	7.122	(0.001)		5304571	1.10319	11.03	126.31- 210.52	165.07
7.750	7.750	(0.000)		2880575	1.06935	10.69	70.89- 118.16	89.64
Average of Peak Concentrations =					10.88			

9 DCB				CAS #: 2051-24-3			
10.048	10.047	(0.001)		406935	0.01055	0.1054	

Data File: \\parr04\dd\chem\GCS\azhp4.1\020412-2.b\09789701.D
Date: 13-APR-2002 16:33
Client ID: INTR-LAB CHECK
Sample Info: EXXONLAD.5
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMKN1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-103 EXMKN1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/12/02
 Prep Batch #...: 2100103
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	99	(61 - 118)			SW846 8082
	102	(61 - 118)	3.4	(0-20)	SW846 8082
Aroclor 1260	92	(61 - 124)			SW846 8082
	103	(61 - 124)	12	(0-27)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	95	(45 - 120)
	97	(45 - 120)
Decachlorobiphenyl	32	(24 - 128)
	49	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMKN1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-103 EXMKN1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/12/02
 Prep Batch #...: 2100103
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	10	9.9	ug/L	99		SW846 8082
	10	10	ug/L	102	3.4	SW846 8082
Aroclor 1260	10	9.2	ug/L	92		SW846 8082
	10	10	ug/L	103	12	SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	95	(45 - 120)
	97	(45 - 120)
Decachlorobiphenyl	32	(24 - 128)
	49	(24 - 128)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\053B5301.D
 Report Date: 12-Apr-2002 08:05

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\053B5301.D
 Lab Smp Id: EXMKN1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 12-APR-2002 07:19
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AC,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	FINAL (ug/L)	TARGET RANGE	RATIO

#	1	TCMX				CAS #: 877-09-8	
2.029	2.027	(0.002)		2394268	0.01891	0.1891	

#	3	AROCLOR-1016				CAS #: 12674-11-2	
2.407	2.406	(0.001)		1794033	0.96838	9.684 75.00- 125.00	100.00
2.729	2.727	(0.002)		2703930	0.97997	9.800 112.69- 187.82	150.72
3.101	3.100	(0.001)		5213911	1.04788	10.48 215.03- 358.38	290.63
3.220	3.218	(0.002)		2584338	0.97350	9.735 108.97- 181.62	144.05
3.315	3.314	(0.001)		1766548	0.96324	9.632 76.20- 127.00	98.47
Average of Peak Concentrations =				9.866			

#	8	AROCLOR-1260				CAS #: 11096-82-5	
5.255	5.254	(0.001)		3004616	1.00904	10.09 75.00- 125.00	100.00
6.095	6.092	(0.003)		3282294	1.02782	10.28 78.02- 130.04	109.24
6.707	6.705	(0.002)		1964744	0.89170	8.917 55.53- 92.55	65.39

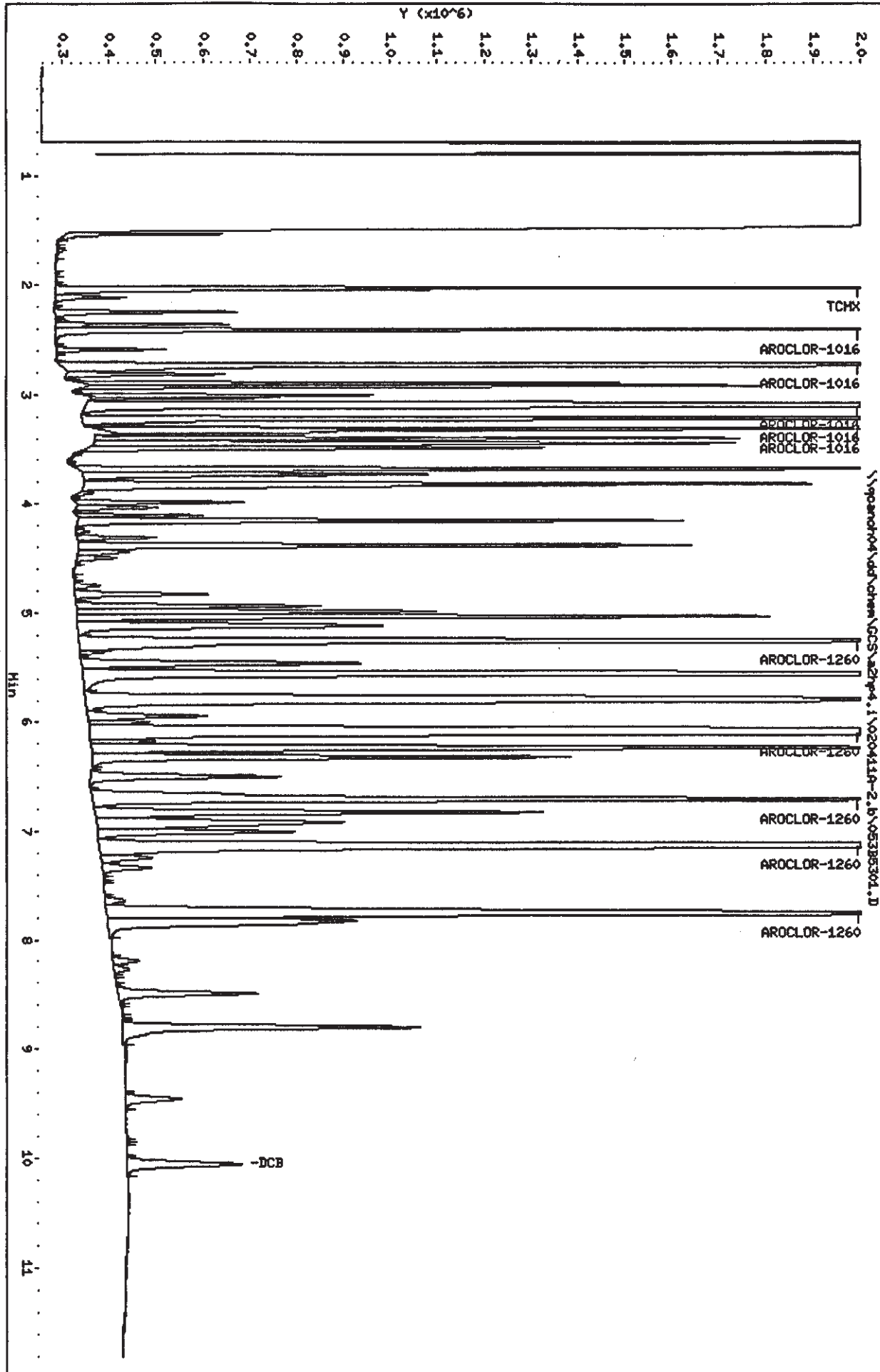
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\053B5301.D
 Report Date: 12-Apr-2002 08:05

		CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
8 AROCLOR-1260 (continued)							
7.128	7.127	(0.001)	4141463	0.86130	8.613	121.68- 202.81	137.84
7.758	7.755	(0.003)	2135879	0.79290	7.929	67.29- 112.16	71.09
Average of Peak Concentrations =				9.166			

§ 9 DCB		CAS #: 2051-24-3					
10.058	10.056	(0.002)	245681	0.00637	0.06367		

Data File: \\qpcan04\dd\chem\GCS\azhp4.1\020411a-2.b\0538301.D
 Date: 12-09-2002 07:19
 Client ID: INTRA-LAB CHECK
 Sample Info: ERMKHLAC.5
 Purge Volume: 1000.0
 Column phase: restek pest c1p1

Instrument: azhp4.1
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\054B5401.D
 Lab Smp Id: EXMKN1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 12-APR-2002 07:35
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AD,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----
§ 1 TCX						
2.027	2.027	(0.000)	2460893	0.01944	CAS #: 877-09-8 0.1944	

3 AROCLOR-1016						
2.407	2.406	(0.001)	1876052	1.01265	CAS #: 12674-11-2 10.13 75.00- 125.00	100.00
2.727	2.727	(0.000)	2751066	0.99705	9.970 112.69- 187.82	146.64
3.100	3.100	(0.000)	5179020	1.04086	10.41 215.03- 358.38	276.06
3.218	3.218	(0.000)	2697400	1.01609	10.16 108.97- 181.62	143.78
3.314	3.314	(0.000)	1902362	1.03730	10.37 76.20- 127.00	101.40
Average of Peak Concentrations =				10.21		

8 AROCLOR-1260						
5.254	5.254	(0.000)	3143799	1.05578	CAS #: 11096-82-5 10.56 75.00- 125.00	100.00
6.092	6.092	(0.000)	3372572	1.05609	10.56 78.02- 130.04	107.28
6.705	6.705	(0.000)	2233640	1.01374	10.14 55.83- 92.55	71.05

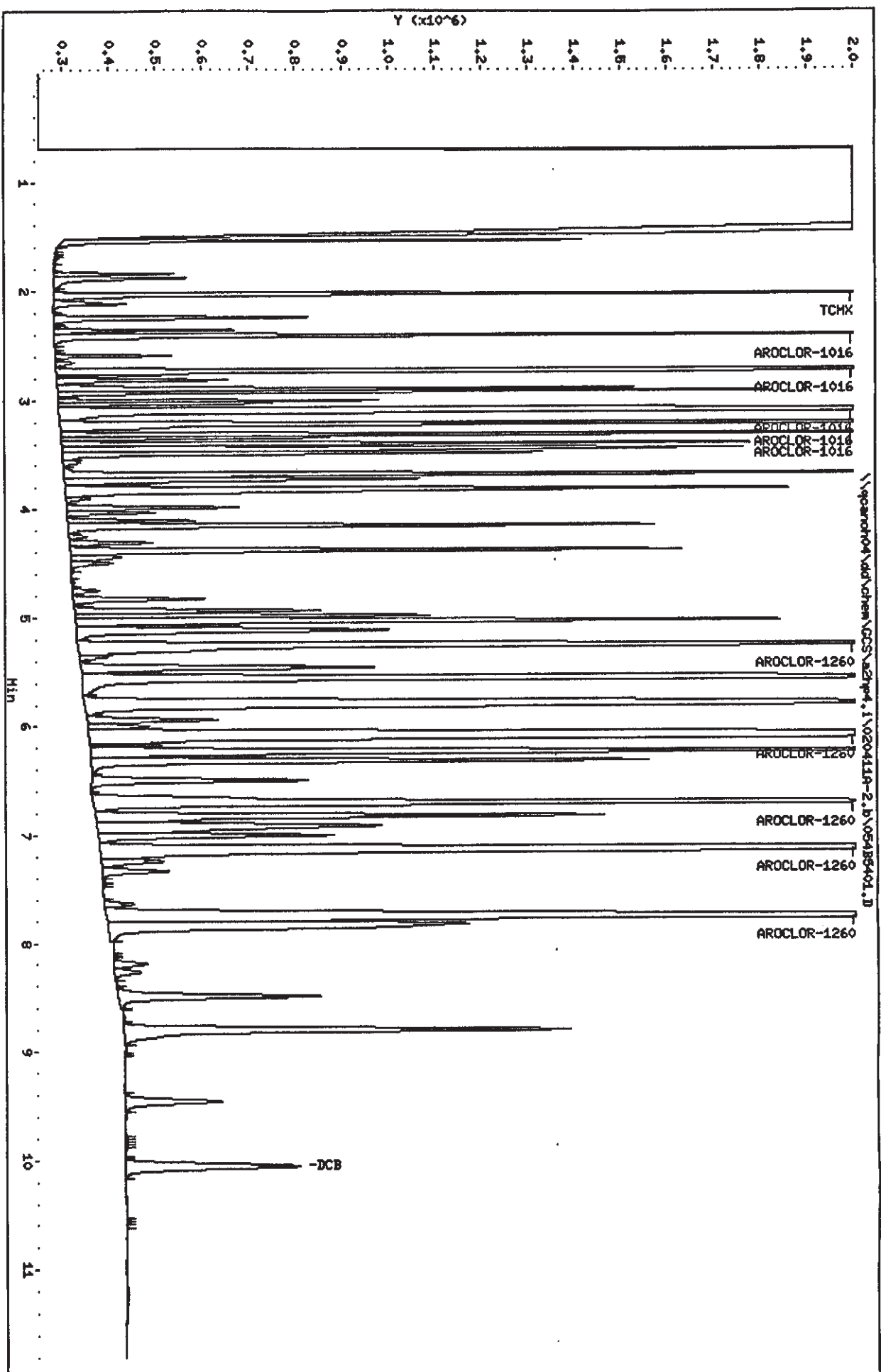
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\054B5401.D
 Report Date: 12-Apr-2002 08:05

CONCENTRATIONS								
RT	EXP RT	DLT RT	RESPONSE (	CN-COL	FINAL	TARGET RANGE	RATIO
..	.....	.....	ng)	(ug/L)		.....	.....
8 AROCLOR-1260 (continued)								
7.127	7.127	(0.000)	4994538	1.03871	10.39	121.68- 202.61	158.87	
7.755	7.755	(0.000)	2682370	0.99577	9.958	67.29- 112.16	85.32	
Average of Peak Concentrations =					10.32			

8	9	DCB						CAS #: 2051-24-3
10.054	10.056	(-0.002)	376216	0.00975	0.09749			

Data File: \\gsandco4\dd\chem\GCS\azhp4.1\020411A-2.b\05485401.D
 Date: 12-APR-2002 07:35
 Client ID: INTRA-LAB CHECK
 Sample Info: EXXONLAD,5
 Purge Volume: 1000.0
 Column phases: restek pest c1p1

Instrument: azhp4.1
 Operator: 1808
 Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXL981AA Matrix.....: SOLID
 MB Lot-Sample #: A2D090000-545
 Analysis Date...: 04/14/02 Prep Date.....: 04/10/02 Final Wgt/Vol...: 10 mL
 Dilution Factor: 1 Prep Batch #...: 2099545
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(31 - 127)
Decachlorobiphenyl	114	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\007B0701.D
 Report Date: 15-Apr-2002 12:16

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\007B0701.D
 Lab Smp Id: EXL981AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 14-APR-2002 12:57
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXL981AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

ND

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE RATIO
**	*****	*****	*****	*****	*****	*****
# 1	TCMX				CAS #: 877-09-8	
2.025	2.026	(-0.001)	2320029	0.01832	6.108	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
..	.....	.....	RESPONSE (ng)	(ug/kg)	.....	.....
4							
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							

5							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6							
6 AROCLOR-1248			CAS #: 12672-29-6				
Compound Not Detected							

7							
7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8							
8 AROCLOR-1260			CAS #: 11096-82-5				
Compound Not Detected							

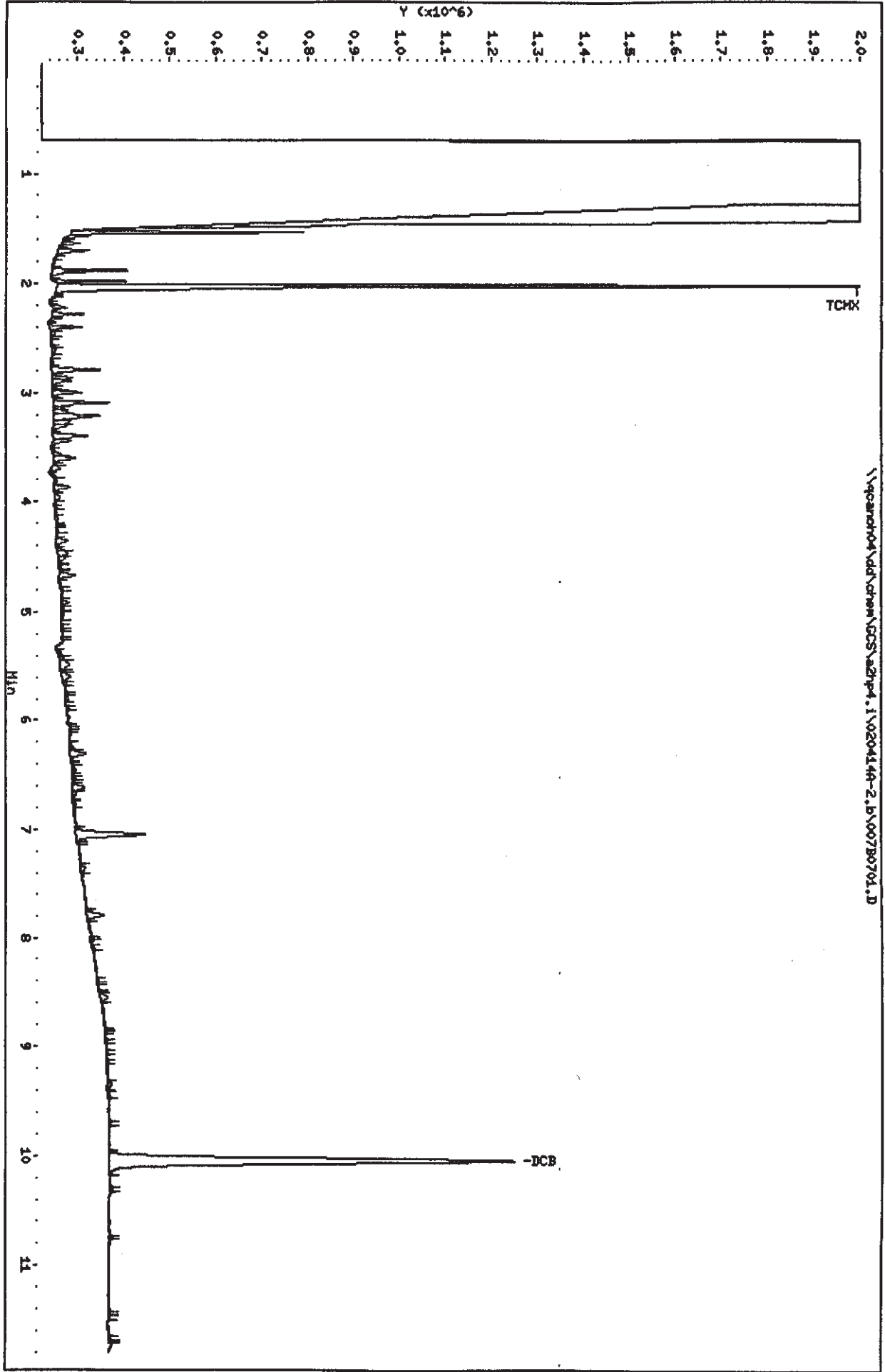
10							
10 AROCLOR-1262			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							

12							
12 AROCLOR-1268			CAS #:				
Operator disabled compound identification.							

9							
9 DCB			CAS #: 2051-24-3				
10.049	10.052	(-0.003)	882164	0.02286	7.620		

Data File: \\qcar04\dd\chem\GC5\22704.1\020414R-2.B\007B0701.D
Date: 14-APR-2002 12:57
Client ID: INTR0-LAB BLANK
Sample Info: EXL9816A
Volume Injected (uL): 1.0
Column phase: restek pest clip1

Instrument: 22704.1
Operator: 1808
Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090103
 MB Lot-Sample #: A2D090000-546
 Analysis Date...: 04/16/02
 Dilution Factor: 1

Work Order #...: EXMAG1AA
 Prep Date.....: 04/10/02
 Prep Batch #...: 2099546
 Initial Wgt/Vol: 30 g

Matrix.....: SOLID
 Final Wgt/Vol...: 10 mL

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	81	(31 - 127)
Decachlorobiphenyl	95	(23 - 141)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\044B4401.D
 Report Date: 17-Apr-2002 06:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\044B4401.D
 Lab Smp Id: EXMAG1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 16-APR-2002 02:28
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMAG1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/kg)		
# 1	TCMX				CAS #: 877-09-8	
2.028	2.028	(0.000)	2057092	0.01625	5.415	
2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						
3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

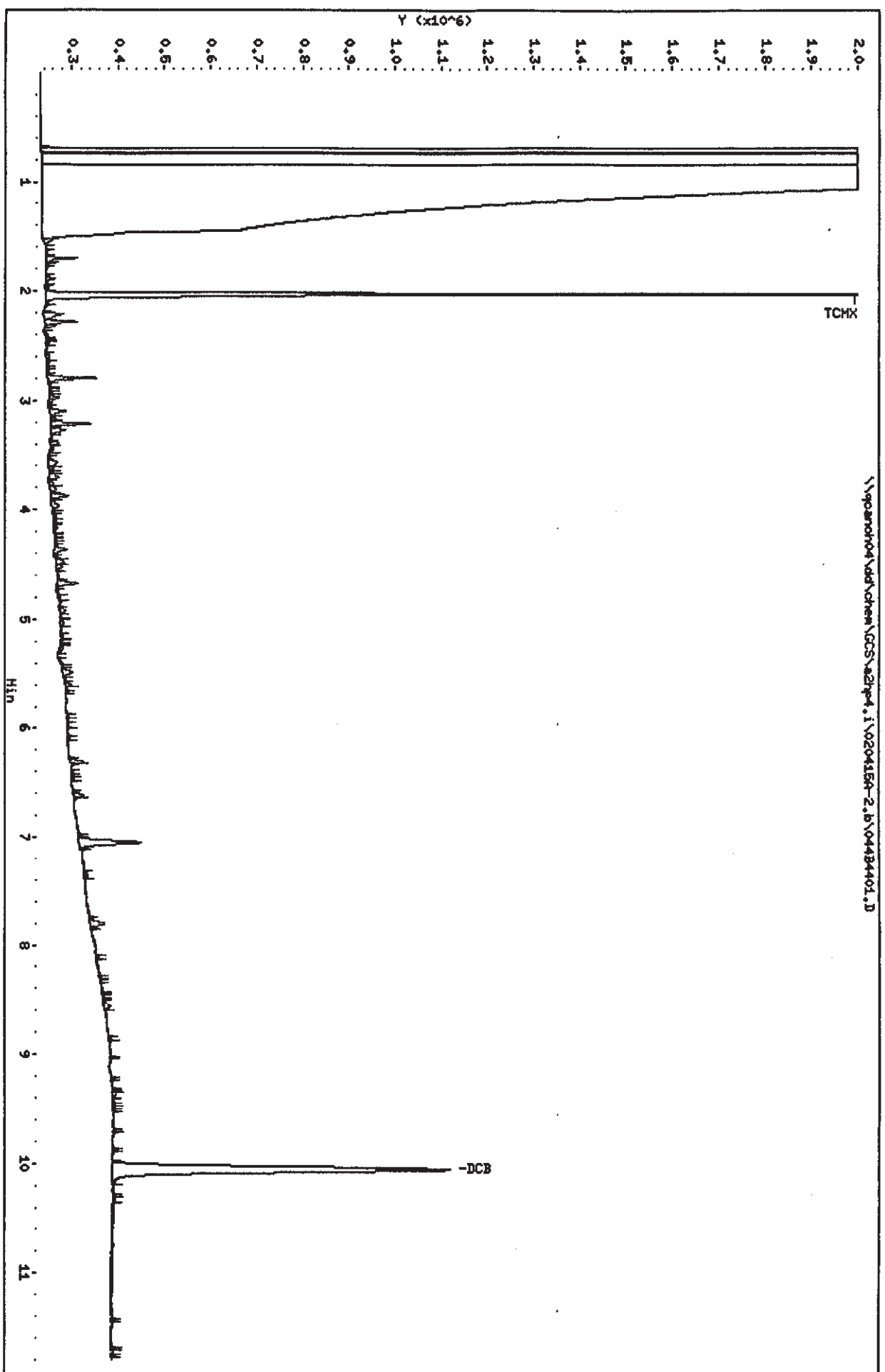
ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
4						CAS #: 11141-16-5
Compound Not Detected						
5						CAS #: 53469-21-9
Compound Not Detected						
6						CAS #: 12672-29-6
Compound Not Detected						
7						CAS #: 11097-69-1
Compound Not Detected						
8						CAS #: 11096-82-5
Compound Not Detected						
10						CAS #:
Peaks not detected for Quant. or Qual. signal(s).						
12						CAS #:
Operator disabled compound identification.						
\$ 9	DCB					CAS #: 2051-24-3
10.057	10.057	(0.000)	732322	0.01898		6.326

Data File: \\gsan0404\vd\chem\GC5\azrp4.1\0204150-2.b\044B4401.D
Date : 16-APR-2002 02:28
Client ID: INTRN-L03 BLANK
Sample Info: EXHAUSTIA
Volume Injected (uL): 1.0
Column phase: restek pest c1pi

Instrument: azrp4.1
Operator: 1808
Column diameter: 0.53

\\gsan0404\vd\chem\GC5\azrp4.1\0204150-2.b\044B4401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\095B9501.D
 Report Date: 15-Apr-2002 09:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\095B9501.D
 Lab Smp Id: EXMKM1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 13-APR-2002 16:00
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/L)	TARGET RANGE	RATIO
2.036	2.025	(0.011)	10638230	0.08402	0.1680	
1 TCMX					CAS #: 877-09-8	
2 AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected						
3 AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/L)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Peaks not detected for Quant. or Qual. signal(s).						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Peaks not detected for Quant. or Qual. signal(s).						

10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						

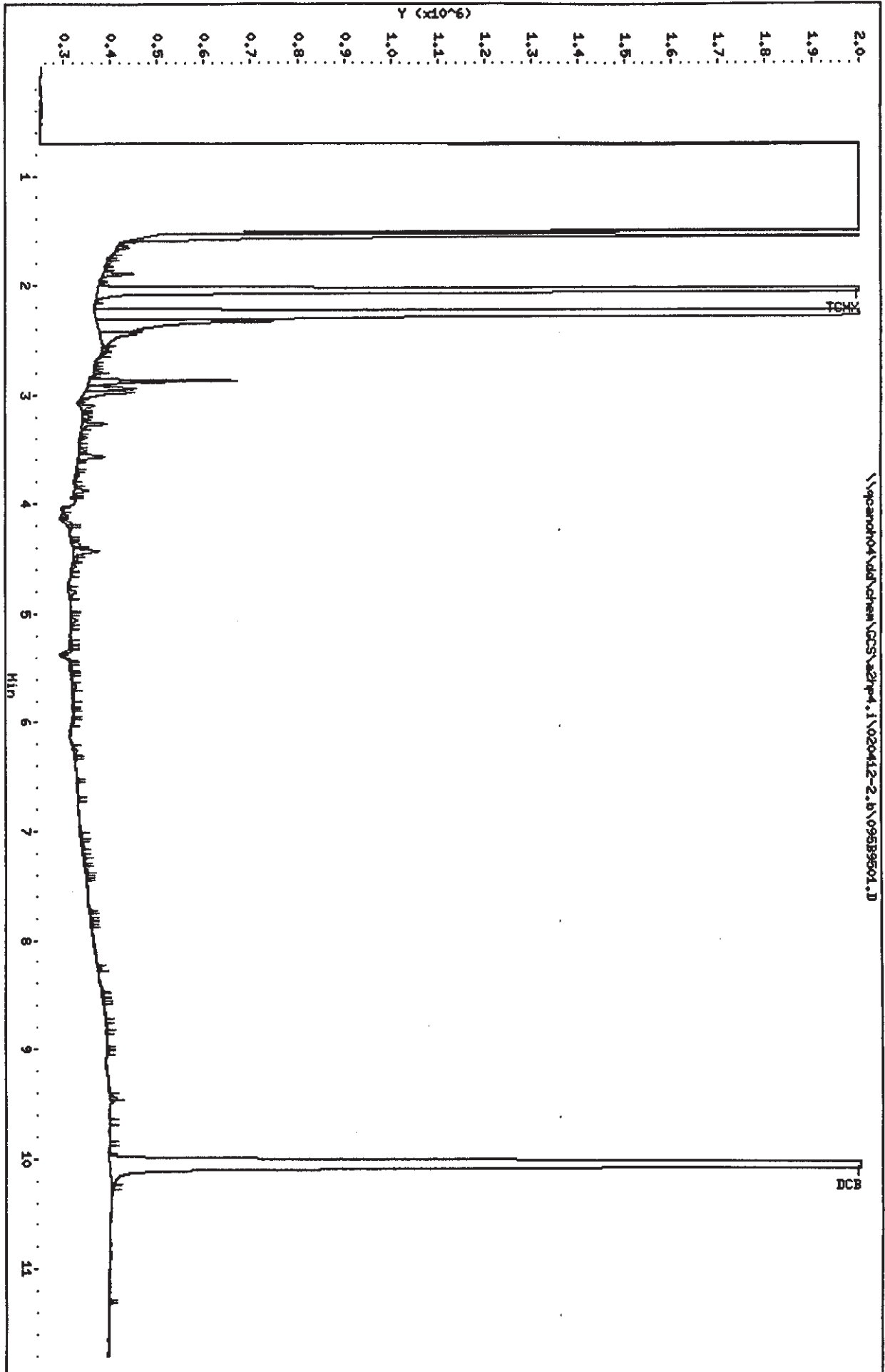
12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						

9						
9 DCS			CAS #: 2051-24-3			
10.048	10.047	(0.001)	3311364	0.08581	0.1716	

Date File: \\pcanor04\ad\ndhem\SCS\ae2rpe4.1\020412-2.8\095B9501.D
Date: 13-APR-2002 16:00
Client ID: INTR-LAB BLANK
Sample Info: EYKML04
Purge Volume: 1000.0
Column phase: Restek pest c/p1

Instrument: ae2rpe4.i
Operator: 1808
Column diameter: 0.53

\\pcanor04\ad\ndhem\SCS\ae2rpe4.1\020412-2.8\095B9501.D



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXMKN1AA Matrix.....: WATER
 MB Lot-Sample #: A2D100000-103 Prep Date.....: 04/10/02 Final Wgt/Vol...: 2 mL
 Analysis Date...: 04/12/02 Prep Batch #...: 2100103
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	0.20	ug/L	SW846 8082
Aroclor 1221	ND	0.20	ug/L	SW846 8082
Aroclor 1232	ND	0.40	ug/L	SW846 8082
Aroclor 1242	ND	0.20	ug/L	SW846 8082
Aroclor 1248	ND	0.20	ug/L	SW846 8082
Aroclor 1254	ND	0.20	ug/L	SW846 8082
Aroclor 1260	ND	0.20	ug/L	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	96	(45 - 120)
Decachlorobiphenyl	90	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\052B5201.D
 Report Date: 12-Apr-2002 08:04

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\052B5201.D
 Lab Smp Id: EXMKN1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 12-APR-2002 07:01
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
..
\$ 1	TCMX				CAS #: 877-09-8	
2.038	2.027	(0.011)	12103126	0.09559	0.1912	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

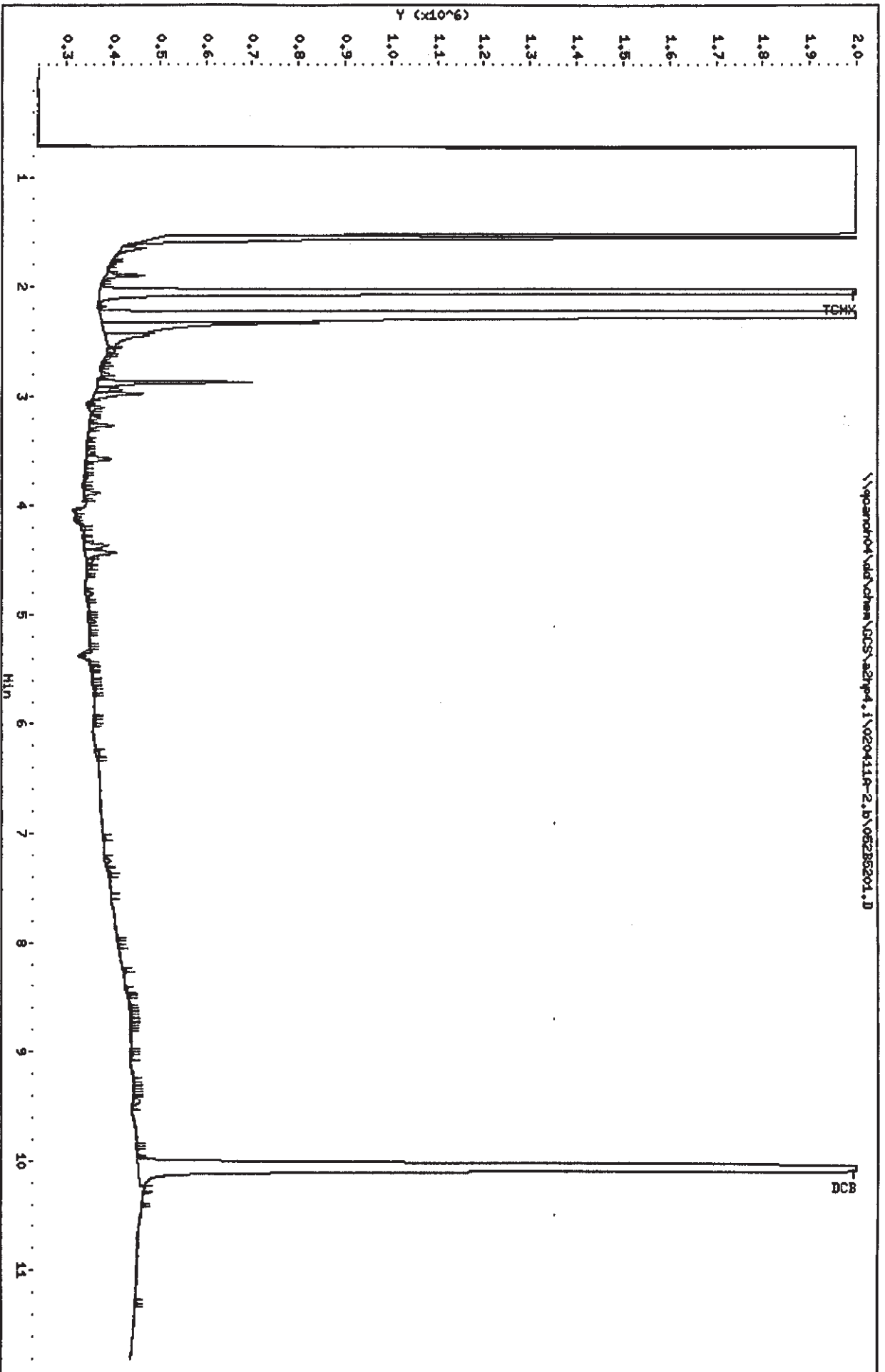
3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/L)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						
7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						
8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Peaks not detected for Quant. or Qual. signal(s).						
10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						
12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						
9						
9 DCB			CAS #: 2051-24-3			
10.053	10.056	(-0.003)	3482708	0.09025	0.1805	

Data File: \\qpcan04\vd\chem\GC5\sz7pe4.1\020411a-2.b\0628201.D
Date: 12-09-2002 07:01
Client ID: INTRA-LAB BLANK
Sample Info: EX800L04
Purge Volume: 1000.0
Column phase: restek pest cipi

Instrument: sz7pe4.1
Operator: 1808
Column diameter: 0.53



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXKKQ1AD-MS Matrix.....: SO
 MS Lot-Sample #: A2D090103-007 EXKKQ1AE-MSD
 Date Sampled...: 04/08/02 14:20 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 2 Initial Wgt/Vol: 30.04 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	134	(26 - 144)			SW846 8082
	148 a	(26 - 144)	9.8	(0-39)	SW846 8082
Aroclor 1260	80	(37 - 138)			SW846 8082
	90	(37 - 138)	9.9	(0-33)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	64	(31 - 127)
	85	(31 - 127)
Decachlorobiphenyl	68	(23 - 141)
	87	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090103 Work Order #...: EXKKQ1AD-MS Matrix.....: SO
 MS Lot-Sample #: A2D090103-007 EXKKQ1AE-MSD
 Date Sampled...: 04/08/02 14:20 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 2 Initial Wgt/Vol: 30.04 g Final Wgt/Vol...: 10 mL

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Aroclor 1016	ND	520	700	ug/kg	134		SW846 8082
	ND	520	770	ug/kg	148 a	9.8	SW846 8082
Aroclor 1260	89	520	500	ug/kg	80		SW846 8082
	89	520	560	ug/kg	90	9.9	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	64	(31 - 127)
	85	(31 - 127)
Decachlorobiphenyl	68	(23 - 141)
	87	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\027B2701.D
 Lab Smp Id: EXKKQ1AD Client Smp ID: SD-00-040802-GS-163
 Inj Date : 16-APR-2002 22:04
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKQ1AD,2
 Misc Info : 12-AR1660td.sub,SMS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: MS
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.040	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
\$ 1 TCDF				CAS #: 877-09-8		
2.027	2.027	(0.000)	808966	0.00639	4.254	

3 AROCLOR-1016				CAS #: 12674-11-2		
2.407	2.406	(0.001)	799661	0.43164	267.4 75.00- 125.00	100.00(M)
2.727	2.726	(0.001)	1497453	0.54271	361.3 108.42- 180.70	187.26
3.102	3.100	(0.002)	4825148	0.96974	645.6 194.44- 324.07	603.40
3.218	3.218	(0.000)	1535958	0.57858	385.2 103.23- 172.05	192.08
3.314	3.313	(0.001)	1532483	0.83561	556.3 73.63- 122.71	191.64
Average of Peak Concentrations =				447.2		

8 AROCLOR-1260				CAS #: 11096-82-5		
5.255	5.253	(0.002)	1546498	0.51936	345.8 75.00- 125.00	100.00
6.094	6.093	(0.001)	1530653	0.47931	319.1 80.61- 134.35	98.98
6.707	6.705	(0.002)	1023901	0.46470	309.4 55.16- 91.93	66.21

MM 4/17/02

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			OW-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/kg)		
8 AROCLOR-1260 (continued)						
7.127	7.127	(0.000)	2312680	0.48097	320.2 123.64- 206.06	149.54
7.755	7.754	(0.001)	1292819	0.47993	319.5 69.47- 115.79	83.60
Average of Peak Concentrations =				322.8		

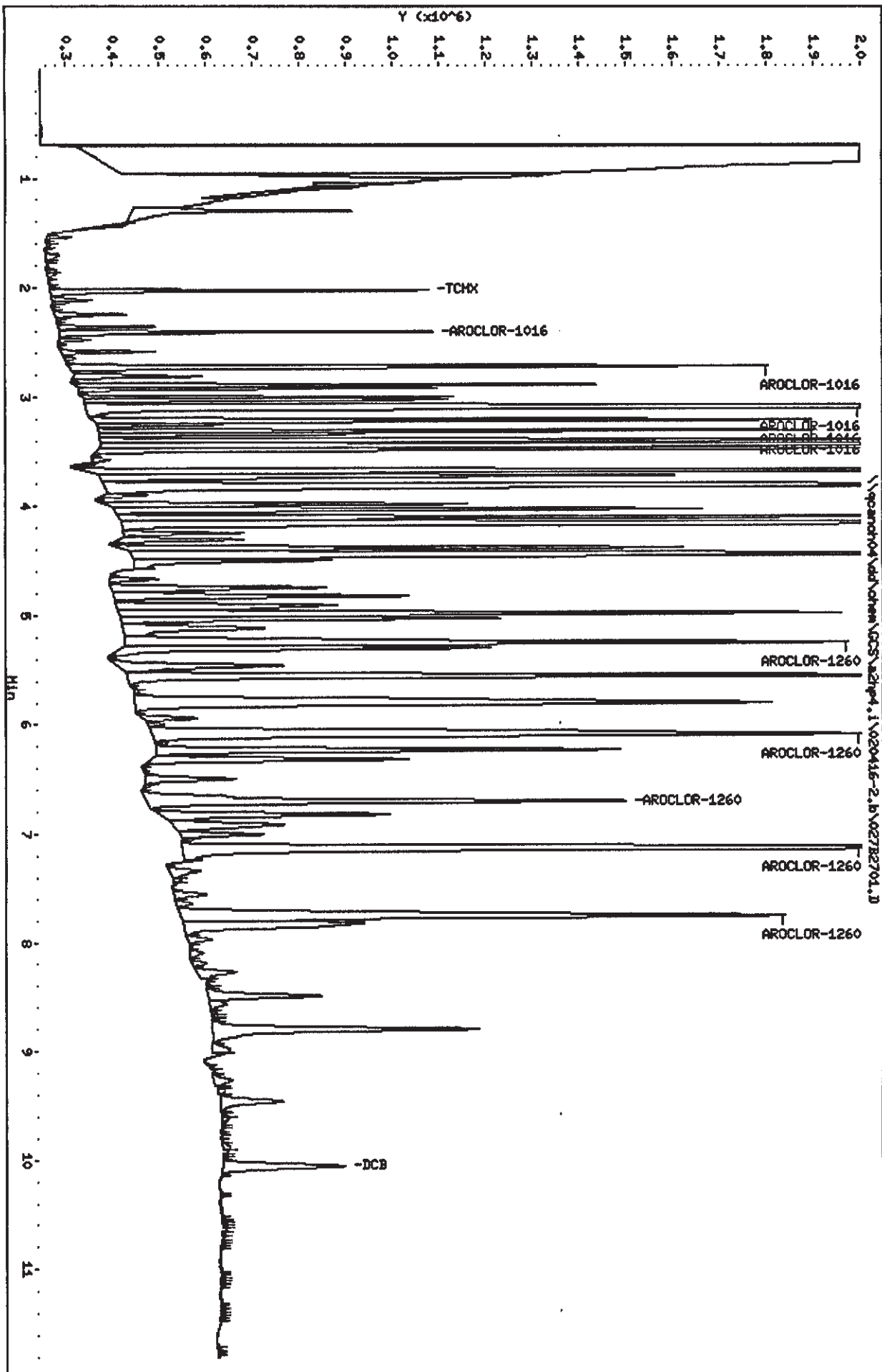
9 DCB				CAS #: 2051-24-3		
10.057	10.055	(0.002)	262071	0.00679	4.522	(R)

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\pcan04\ad\chem\SCS\azmq4.1\020416-2.1\02782701.D
 Date: 16-FEB-2002 22:04
 Client ID: SD-00-040802-GS-163
 Sample Info: EXXONUL2
 Volume Injected (uL): 1.0
 Column phase: restek pest c1pi

Instrument: azmq4.1
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\028B2801.D
 Lab Smp Id: EXKKQ1AE Client Smp ID: SD-00-040802-GS-163
 Inj Date : 16-APR-2002 22:20
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKQ1AE,2
 Misc Info : 12-AR1660td.sub,SMS.spk
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: MSD
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOHO5

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.020	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
\$ 1	TCMX			CAS #: 877-09-8		
2.027	2.027	(0.000)	1075810	0.00850	5.660	
3	AROCLOR-1016			CAS #: 12674-11-2		
2.406	2.406	(0.000)	997297	0.53832	358.6 75.00- 125.00	100.00 (RM)
2.727	2.726	(0.001)	1729830	0.62693	417.7 108.42- 180.70	173.45
3.101	3.100	(0.001)	4856164	0.97598	650.2 194.44- 324.07	486.93
3.218	3.218	(0.000)	1756001	0.66147	440.7 103.23- 172.05	176.08
3.314	3.313	(0.001)	1648206	0.89871	598.7 73.63- 122.71	165.27
Average of Peak Concentrations =				493.2		
8	AROCLOR-1260			CAS #: 11096-82-8		
5.254	5.253	(0.001)	1661049	0.55783	371.6 75.00- 125.00	100.00
6.094	6.093	(0.001)	1753346	0.54904	365.8 80.61- 134.35	105.56
6.705	6.705	(0.000)	1133739	0.51455	342.8 55.16- 91.93	68.25

MM 4/17/02

		CONCENTRATIONS							
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====	
8 AROCLOR-1260 (continued)									
7.127	7.127	(0.000)		2574027	0.53932	356.6	123.64- 206.06	154.96	
7.755	7.754	(0.001)		1393686	0.51738	344.7	69.47- 115.79	83.90	
Average of Peak Concentrations =					356.3				

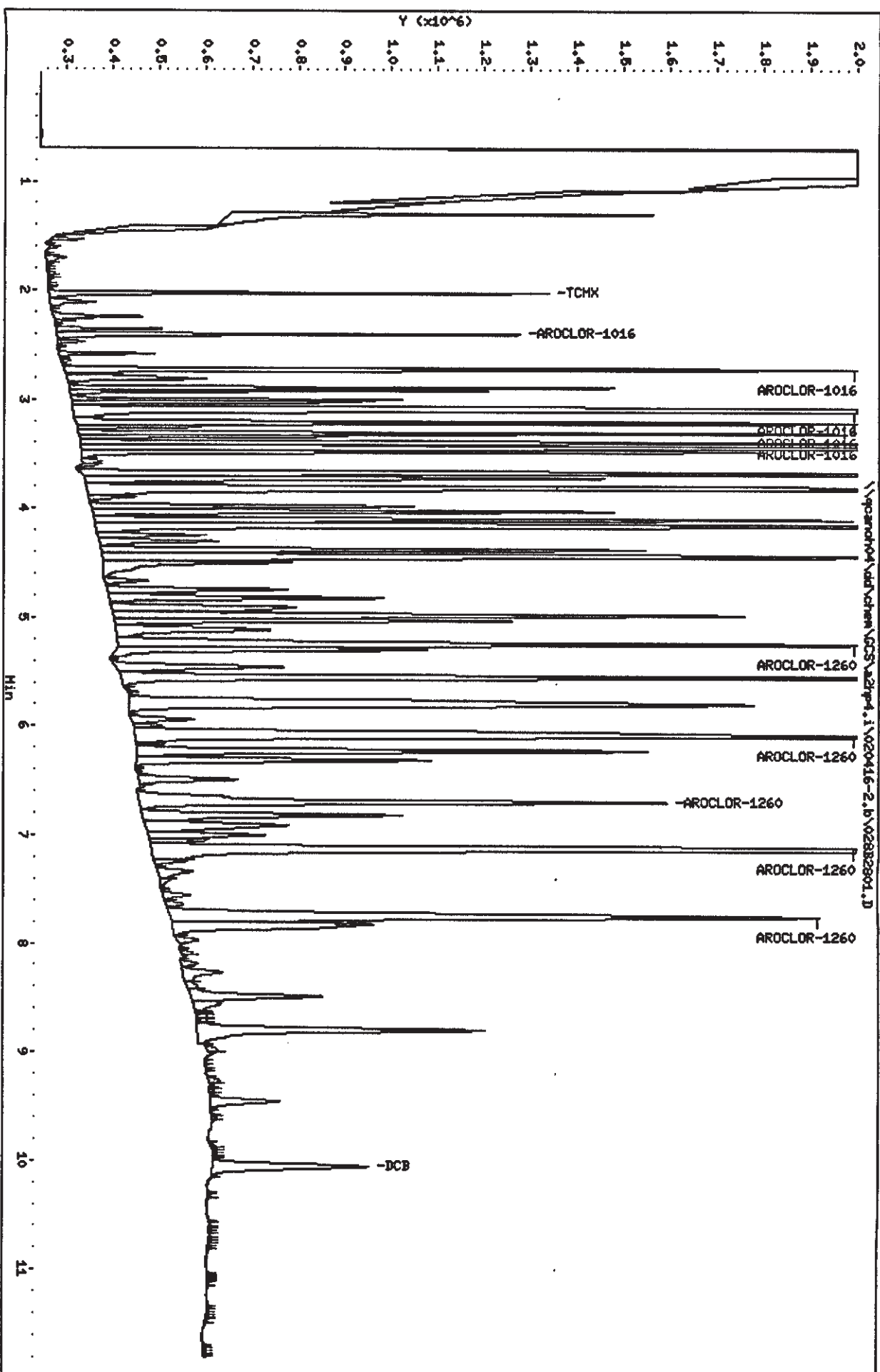
# 9 DCB						CAS #: 2051-24-3			
10.056	10.055	(0.001)		336161	0.00871	5.804			

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\pcan04\vd\chem\GC5\27p4.1\020416-2.b\02882801.D
 Date: 16-APR-2002 22:20
 Client ID: SD-00-040802-GS-163
 Sample Info: EXKQDAE,2
 Volume Injected (uL): 1.0
 Column phase: restek pest c1pi

Instrument: 27p4.1
 Operator: 1808
 Column diameter: 0.53





MISCELLANEOUS DATA

P2 41
P5

=====
HP6890 GC METHOD
=====

OVEN

Initial temp: 170 'C (On) Maximum temp: 330 'C
Initial time: 0.65 min Equilibration time: 2.00 min
Ramps:
 # Rate Final temp Final time
 1 25.00 225 0.75
 2 9.00 270 3.00
 3 0.0(Off)
Post temp: 170 'C
Post time: 0.00 min
Run time: 11.60 min

FRONT INLET (UNKNOWN)

Mode: Splitless
Initial temp: 225 'C (On)
Pressure: 6.00 psi (On)
Purge flow: 40.0 mL/min
Purge time: 0.50 min
Total flow: 49.7 mL/min
Gas saver: Off
Gas type: Hydrogen

BACK INLET ()

COLUMN 1

Capillary Column
Model Number: RESTEK RILEY
CLPR
Max temperature: 420 'C
Nominal length: 25.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.52 um
Mode: constant pressure
Pressure: 6.00 psi
Nominal initial flow: 1.8 mL/min
Average velocity: 45 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: RESTEK RILEY
CLPR
Max temperature: 420 'C
Nominal length: 25.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.52 um
Mode: (see column 1)
Pressure: 6.00 psi
Nominal initial flow: 1.8 mL/min
Average velocity: 45 cm/sec
Inlet: Front Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant column+makeup flow
Combined flow: 60.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

BACK DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant column+makeup flow
Combined flow: 60.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0

Fast Peaks: Off
Attenuation: 0

Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

7673 Injector

Front Injector:

Sample Washes	4
Sample Pumps	2
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	4
PostInj Solvent B Washes	4
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

vu

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020315IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

03/15/02

1	1	PRIMER				
2	2	HEXANE				
3	3	1232,,1,1				
4	4	1232,,1,2				
5	5	1232,,1,3				
6	6	1232,,1,4				
7	7	1232,,1,5				
8	8	1242,,1,1				
9	9	1242,,1,2				
10	10	1242,,1,3				
11	11	1242,,1,4				
12	12	1242,,1,5				
13	13	1248,,1,1				
14	14	1248,,1,2				
15	15	1248,,1,3				
16	16	1248,,1,4				
17	17	1248,,1,5				
18	18	2154,,1,1				
19	19	2154,,1,2				
20	20	2154,,1,3				

0.955 FIR

Sequence: C:\HPCHEM\1\020315IC.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
03/15/02						
21	21	2154,,1,4				
22	22	2154,,1,5				
23	23	1660,,1,1				
24	24	1660,,1,2				
25	25	1660,,1,3				
26	26	1660,,1,4				
27	27	1660,,1,5				
28	28	ICV				

03/15/02 ↓

0955 F/R ↓

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
Print Configuration: No
Print Sequence: No
Print Logbook: No
Print Method(s): No
Print Analysis reports: No
Print Statistics for Calib. runs: No
Print Statistics for Sample runs: No
Summary style: Sample Summary

sequence: C:\HPCHEM\1\020411A.S C-PYK

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020411A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval
------	------	------------	--------	--------	-----------	-----------	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

4/11/02

1	1	HEX				
2	2	1232,,2	pass f/R			
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2	pass AVG F/pass R			
7	7	- EXMP11AA,20				
8	8	- EXMP71AA,20				
9	9	- EXMP81AA,20				
10	10	- EXMP91AA,2				
11	11	HEX				
12	12	- EXMQA1AA,5				
13	13	- EXMQA1AC,5				
14	14	- EXMQA1AD,5				
15	15	- EXMQF1AA				
16	16	- EXMQH1AA				
17	17	- EXMQJ1AA,2000	RR10x (2000x5)			
18	18	- EXMQL1AA,1000				
19	19	HEX				
20	20	- EXMQM1AA,20				

rear

sequence: C:\HPCHEM\1\020411A.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
4/11/02	21	21	1660,,2 pass F/R			
	22	22	EXMQN1AA,1000			
	23	23	EXMQP1AA,5			
	24	24	EXMQQ1AA,5			
	25	25	EXMQT1AA,100 RR2x (200xST)			
	26	26	EXMQV1AA,200 RR2x (400xST)			
4/12/02	27	27	EXMQW1AA,5			
	28	28	EXMQX1AA,50			rear
	29	29	EXMQ31AA,10			
	30	30	EXFCV1AA			
	31	31	EXFCW1AA			
	32	32	EXFDC1AA			
	33	33	EXFDE1AA			
	34	34	EXFDE1AC			
	35	35	EXFDE1AD			
	36	36	EXFDF1AA			
	37	37	1660,,2 pass F/R			
	38	38	EXFEP1AA			
	39	39	EXFDG1AA			
	40	40	EXFDJ1AA			
	41	41	EXFDK1AA			
	42	42	EXFDL1AA			
	43	43	EXFEP1ACQT			
	44	44	EXF9E1AARR100X			
	45	45	EXF9F1AARR100X			
	46	46	EXDC41AP			rear
	47	47	EXDC71AP			
	48	48	EXM6H1AF			
	49	49	EXM6W1AR			
	50	50	EXMKP1AD			
	51	51	EXMQO1AA			
	52	52	EXMKN1AA			
	53	53	EXMKN1AC,5			
	54	54	EXMKN1AD,5			
	55	55	1660,,2 pass F/R			
	56	56	EXQF71AC RRHG			
	57	57	EXQGD1AC			
	58	58	EXQGN1ACRRHG			
	59	59	EXMQJ1AA,20000			
	60	60	EXMQT1AA,200			rear
	61	61	EXMQV1AA,400			
	62	62	EXQGT1AA			
	63	63	EXQF71AC			
	64	64	EXQGN1AC			
	65	65	EXQGT1AC			
	66	66	1660,,2 pass f/R			

Sequence Output Parameters:

Print Sequence Summary Report (SSR):
Dest of individual reports for each run:

No
as specified in Method

Sequence: C:\HPCHEM\1\020412.S *C-14 R*

Sequence Parameters:

Operator:

Data File Naming: Auto
Data Directory: C:\HPCHEM\1\DATA\
Data Subdirectory: 020412
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro: none
Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/12/02

1	1	HEX				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXFEP1AC				
8	8	EXF9E1AA,100				
9	9	EXF9F1AA,100				
10	10	EXAPV2AT				
11	11	EXHFF1AD				
12	12	EXKJR1AA				
13	13	EXKJR1AC,5				
14	14	EXGGA1AE				
15	15	EXGGM1AP				
16	16	EXGGN1AP				
17	17	EXGGP1AP				
18	18	EXGGV1AP				
19	19	HEXANE				
20	20	EXGGX1AP				

Front

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/12/02

21	21	HEXANE				
22	22	EXH5A1AA				
23	23	EXH5A1AC				
24	24	1660,,2				
25	25	EXGG01AP				
26	26	EXGHC1AP				
27	27	EXGHE1AP				
28	28	HEXANE				
29	29	EXHEJ1AA				
30	30	EXHEJ1AC				
31	31	EXHEJ1AD				
32	32	EXHK01AE				
33	33	EXHK11AP				
34	34	EXHK31AP				
35	35	EXHK41AP				
36	36	EXHK61AP				
37	37	EXHK71AP				
38	38	EXHK81AP				
39	39	EXHLA1AP				
40	40	1660,,2				
41	41	EXHLD1AP				
42	42	EXHLF1AP				
43	43	EXHLG1AP				
44	44	EXHP71AK, 5				
45	45	EXHQC1AK, 20				
46	46	EXHQF1AK				
47	47	EXHQJ1AK				
48	48	EXHQN1AK				
49	49	EXHQP1AK, 2				
50	50	EXHQ31AF, 5				
51	51	EXHRA1AF, 10				
52	52	EXHRE1AK, 50				
53	53	EXH5C1AA				
54	54	EXH5C1AC				
55	55	EXH5C1AD				
56	56	1660,,2				
57	57	EXGAG1AK, 2				
58	58	EXGAH1AK				
59	59	EXGAJ1AK				
60	60	EXGAK1AK				
61	61	EXHD51AA				
62	62	EXHD71AA				
63	63	EXHD81AA				
64	64	EXHEG1AA				
65	65	EXHEH1AA				
66	66	EXHN51AF				
67	67	EXHN71AK				
68	68	EXHN81AK, 5				
69	69	EXHN91AF				
70	70	EXHN91CH				
71	71	EXHN91CJ				
72	72	EXH491AA				
73	73	EXH491AC				
74	74	1660,,2				
75	75	EXFW41AA				
76	76	EXFW41AH, 2				

RRT
pass f/r

pass f/ fail r ↓

Front

Front

rear

04/13/02

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
04/13/02	77	77	EXGAX1A5			
	78	78	EXGGJ1AE			
	79	79	EXJH31AA			
	80	80	EXKJK1AA			
	81	81	EXKJK1AC, 2			
	82	82	EXEDR2AF			rear
	83	83	EXED02AC			
	84	84	EXED42AE			
	85	85	EXEG12AC			
	86	86	EXFET2C3			
	87	87	EXFH42CE			
	88	88	EXFJ82CD			
	89	89	EXMRA1AA			
	90	90	EXMRA1AC, 2			
	91	91	EXMRA1AD, 2			
	92	92	1660,, 2 fail 151/pass 5			
	93	93	EXKKN1AA			rear
	94	94	EXKK61AA			
	95	95	EXMKM1AA			
	96	96	EXMKM1AC, 5			
	97	97	EXMKM1AD, 5			
	98	98	1660,, 2 pass avg/pass 5			

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
 Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
 Print Configuration: No
 Print Sequence: No
 Print Logbook: No
 Print Method(s): No
 Print Analysis reports: No
 Print Statistics for Calib. runs: No
 Print Statistics for Sample runs: No
 Summary style: Sample Summary

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020414A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/14/02

1	1	HEX				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXL981AA				
8	8	EXL981AC				
9	9	EXLF01AC,10				
10	10	HEX				
11	11	EXLGE1AC,10	RR5X			
12	12	HEX				
13	13	EXLGG1AC,1000				
14	14	HEX				
15	15	EXT531AA,10	RR5T			
16	16	HEX				
17	17	EXV9L1AA				
18	18	EXV9L1AC				
19	19	EXV9L1AD				
20	20	EXMK01AA				

pass F/R
↓

rear

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
24/14/02	21	EXMK01AC				
	22	1660,,2 pass F/R				
	23	EXMK01AD				
	24	EXLF51AE				
	25	EXLGK1AP				
	26	EXLGR1AP				
	27	EXLGV1AP				
	28	EXLGX1AP				rear
	29	EXLG41AP, 50				
	30	EXLG71AP				
	31	EXLHG1AP				
	32	EXLHJ1AE				
	33	EXLH01AP				
	34	EXLH21AP				
	35	EKK911AA				
	36	EKK911AC				
	37	1660,,2 pass F/R				
	38	EKK911AD				
	39	EKKJP1AF				
4/15/02	40	EKKJV1AN				
	41	EKKJ01AN				
	42	EKKJ11AN				
	43	EKKJ21AN				
	44	EKKJ31AN				
	45	EKKJ41AN				rear
	46	EKKJ61AN				
	47	EKKJ71AN				
	48	EKKJ81AN				
	49	EKK2L1AF				
	50	EKK2M1AK				
	51	EKK2R1AK				
	52	EKK2V1AK				
	53	1660,,2 pass F/R				
	54	EKK2X1AK				
	55	EKK201AK				
	56	EKK231AK				
	57	EKK241AK				
	58	EKK8W1AF, 10				
	59	EKK831AK				rear
	60	EKKKM1AA				
	61	EKKKX1AA				
	62	EKKL01AA				
	63	EKK2G1AD				
	64	EKK8G1AD				
	65	EKK8R1AE				
	66	EKK8V1AE				
	67	EKK861AE				
	68	1660,,2 pass F/R				

Sequence Output Parameters:

Print Sequence Summary Report (SSR):

No

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020415A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	====	=====	=====	=====	=====	=====	=====	=====	=====

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====

1	1	PRIMER				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXGG61AP				
8	8	EXHD31AA				
9	9	EXHD61AA				
10	10	EXHLC1AP				
11	11	EKKJW1AN				
12	12	EKKJX1AN				
13	13	EKKKC1AA				
14	14	EKKKD1AA				
15	15	EKKKH1AA				
16	16	EKKKQ1AA,2				
17	17	EKKKQ1AD,2				
18	18	EKKKQ1AE,2				
19	19	EKKK71AA				
20	20	EKKK91AA				

pass F/R
 ↓
 closer fails
 ↓

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
21	21	EXLNF1AA, 2 RR				
22	22	1660,, 2 fails FV/Fails R↓				
23	23	EXLNK1AA RR opener fails				
24	24	HEX				
25	25	EXLNN1AA				
26	26	EXH5A1AC				
27	27	EXHEJ1AC				
28	28	EXH5C1AC				
29	29	EXH5C1AD				
30	30	EXH491AC				
31	31	EXPRR1AA				
32	32	EXPRR1AC, 5				
33	33	EXMMF1AD				
34	34	EXMMN1AA				
35	35	EXM9G1AD				
36	36	EXM9N1AE				
37	37	EXNG31AD				
38	38	EXNG31A7, 5				
39	39	1660,, 2 pass F/R				
40	40	EXNG31A8, 5				
41	41	EXNG81AE				
42	42	EXPNT1AA				
43	43	EXPPC1AA				
44	44	EXMAG1AA				
45	45	EXMAG1AC				rear
46	46	EXKKK1AA, 10				
47	47	EXKKL1AA				
48	48	EXKKT1AA				
49	49	EXKKV1AA, 10				
50	50	EXKKW1AA, 10				
51	51	EXKKW1AC				
52	52	EXKKW1AD				
53	53	EXKLJ1AA, 10				
54	54	EXKLM1AA, 10				
55	55	1660,, 2 pass F/R				
56	56	EXKLN1AA				
57	57	EXKLN1AC				
58	58	EXKLN1AD				
59	59	EXKLP1AA, 10				
60	60	EXKLR1AA, 2				
61	61	EXKLT1AA, 5				rear
62	62	EXKLV1AA				
63	63	EXKLW1AA				
64	64	EXK LX1AA				
65	65	EXVXQ1AA				
66	66	EXWHX1AA				
67	67	EXWHX1AC				
68	68	EXWHX1AD				
69	69	1660,, 2 pass F/R				
70	70	EXLNN1AA				
71	71	EXLNF1AA, 2				
72	72	EXLNK1AA				
73	73	HEXANE				rear
74	74	EXPR91AV05X				
75	75	EXRN51AA				
76	76	EXRN51AC				

Sequence: C:\HPCHEM\1\020415A.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

77 77 EXPR91AV,5

78 78 [1660,,2]

79 79 1660,,2 pass/fail

sample # 77 matrix caused baseline rise failed
F+T
reran std. immediately after and passed no
corrective action for runs 70 → 77

Sequence Output Parameters:

Print Sequence Summary Report (SSR):
Dest of individual reports for each run:

No
as specified in Method

Sequence Summary Parameters:

One page header:
Print Configuration:
Print Sequence:
Print Logbook:
Print Method(s):
Print Analysis reports:
Print Statistics for Calib. runs:
Print Statistics for Sample runs:
Summary style:

No
No
No
No
No
No
No
No
Sample Summary

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020416
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	====	=====	=====	=====	=====	=====	=====	=====	=====

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====

04/16/02

1	1	HEXANE				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXR2R1AC				
8	8	EXWKG1AA				
9	9	EXWKG1AC,5				
10	10	EXKKG1AD,5				
11	11	EXH5A1AC				
12	12	EXHEJ1AC				
13	13	EXH5C1AC				
14	14	EXH5C1AD				
15	15	EXH491AC				
16	16	EXGG61AP				
17	17	EXHD31AA				
18	18	EXHD61AA				
19	19	EXHLC1AP				
20	20	EXKJW1AN				

rear

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
21	21	EXKJX1AN				
22	22	EXKKC1AA				
23	23	1660,,2 pass F/R				
24	24	EXKKD1AA				
25	25	EXKKH1AA				
26	26	EXKKQ1AA,2				
27	27	EXKKQ1AD,2				
28	28	EXKKQ1AE,2				
29	29	EXKK71AA				
30	30	EXKK91AA				
31	31	EXMMF1AD				rear
32	32	EXMMN1AA				
33	33	EXM9G1AD				
34	34	EXM9N1AE				
35	35	EXNG31AD				
36	36	EXNG31A7,5				
37	37	EXPNO1AA				
38	38	EXPNO1AC				
39	39	EXPNO1AD				
40	40	EXPRR1AA				
41	41	EXPRR1AC,5				
42	42	1660,,2 pass f/R				
43	43	EXPN11AA				
44	44	EXPN21AA				
45	45	EXPN31AA				
46	46	EXPN41AA,10				
47	47	EXPN61AA,10				
48	48	EXPN71AA				
49	49	EXPN81AA				rear
50	50	EXPN91AA				
51	51	EXPOL1AE				
52	52	EXP0P1AH				
53	53	EXP0R1AH				
54	54	EXP0V1AH				
55	55	EXP0W1AH				
56	56	EXP001AH				
57	57	EXP011AH				
58	58	EXP031AH				
59	59	EXR2R1AC,200				
60	60	1660,,2 pass f/R				
61	61	EXGHF1AF				
62	62	EXML31AF				
63	63	EXML31CT				
64	64	EXML31CU				
65	65	EXML41AN				
66	66	EXML51AN				rear
67	67	EXML61AN				
68	68	EXML71AN				
69	69	EXML81AN				
70	70	EXML91AN				
71	71	EXMMA1AN				
72	72	EXMMC1AN				
73	73	EXMMD1AN				
74	74	EXMMG1AA				
75	75	EXMMH1AA				
76	76	EXMMJ1AA				

04/16/02
↓

04/17/02
↓

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
77	77	EXMML1AA				
78	78	EXMMM1AA				
79	79	EXPLC1AA				
80	80	EXPLC1AC				
81	81	1660,,2 .pgss F/R			7	
82	82	EXPPK1AN				
83	83	EXPPL1AN				
84	84	EXPPM1AN				
85	85	EXPPN1AN				
86	86	EXPPP1AN				
87	87	EXPPQ1AN				
88	88	EXQC81AE				
89	89	EXQDJ1AE				
90	90	EXQDK1AE				
91	91	EXQDM1AE				
92	92	EXQDN1AJ				
93	93	EXQDN1AK				
94	94	EXQDN1AL				
95	95	EXQD21AE				
96	96	EXQD51AE, 5				
97	97	EXQD71AE				
98	98	EXQD81AE				
99	99	EXQEK1AE				
100	100	1660,,2				

04/17/02

fail F/R ↓

AR

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
 Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
 Print Configuration: No
 Print Sequence: No
 Print Logbook: No
 Print Method(s): No
 Print Analysis reports: No
 Print Statistics for Calib. runs: No
 Print Statistics for Sample runs: No
 Summary style: Sample Summary

LEV 1	LEV 2	Blank	LEV 1	LEV 2	Weights/Volumes	
Y	-	Check	Y	-	Spike & Surrogate Worksheet	Y Expanded Deliverable
Y	-	MS/MSD	Y	-	Vial contains correct volume	Y COC Completed
Y	-		Y	-	Labels, greenbars, worksheets	- Bench Sheet Copied
					computer batch: correct & all match	- Package Submitted to AnalyticalGroup
					Anomalies to Extraction Method	- Bench Sheet Copied per COC

Extractionist: 001935 Eric S. Miller
 009223 Steffani D. Deubner

Concentrationist: Thomas R. Fausnight
 Dave S. Thomas

Reviewer/Date: MILLERE / 4/10/02

PCBS (8082)
 SONICATION w/ACID STRIP (PCB)

 * OC BATCH: 2099545 *
 * PREP DATE: 4/10/02 10:00
 * COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/FTN WT/VOL	INIT ADJT	PH+S ADJT	EXTRACTION VOL	EXCHANGE	VOL	SPIKE STANDARD / SURROGATE ID
4/18/02	4/19/02	A2D050221-010	KXG6-1-AP	D	71	QH SOLID	30.01g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893

4/19/02	4/19/02	A2D060108-001	KXHD3-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/19/02	4/19/02	A2D060108-003	KXHD6-1-AA	D	71	QH SOLID	30.09g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/19/02	4/19/02	A2D060133-012	KXHC-1-AP	D	71	QH SOLID	30.19g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/22/02	4/23/02	A2D090102-003	KXJM-1-AN	D	71	QH SOLID	30.2g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/22/02	4/23/02	A2D090102-004	KXJX-1-AN	D	71	QH SOLID	30.2g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/22/02	4/23/02	A2D090103-001	KXKC-1-AA	D	71	QH SOLID	30.17g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:57:32

* OC BATCH: 2099545 *
* PREP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ TEST FIGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH*S ADJ2	EXTRACTION VOL	SOVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/22/02	4/23/02	A2D090104-001	D	71	QH SOLID	30.04g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090103-002												
4/22/02	4/23/02	XXXXXXXX-1-AA	D	71	QH SOLID	30.06g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090103-007												
4/22/02	4/23/02	A2D090103-007	D	71	QH SOLID	30.04g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: XXXXX-1-AA												
4/22/02	4/23/02	A2D090103-007	D	71	QH SOLID	30.02g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
COMMENTS: A2D090104-007												
4/22/02	4/23/02	XXXXXXXX-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090104-008												
4/22/02	4/23/02	A2D090104-008	D	71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: XXXX9-1-AA												
4/18/02	4/15/02	A2D090206-001	DR	71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: XXXX0-1-AA												
4/18/02	4/15/02	A2D090206-002	DR	71	QH SOLID	30.17g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: XXXX8-1-AA												
4/18/02	4/15/02	A2D090206-003	DR	71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: XXXX6-1-AA												

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:57:32

* QC BATCH: 2099545 *
* PREP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT#, MSRUNK/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT./VOL	INIT ADJ1	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/19/02	4/16/02	A2D090227-001		R	71 QH SOLID	30.29 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													
4/19/02	4/16/02	A2D090227-002		R	71 QH SOLID	30.08g 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													
4/19/02	4/16/02	A2D090227-003		R	71 QH SOLID	30.13g 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													
4/18/02	0/00/00	A2D090000-545			71 QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													
4/18/02	0/00/00	KXL98-1-AAB			71 QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													
4/18/02	0/00/00	KXL98-1-ACC			71 QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0 HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:													

S/S BY ESM
DCM #V422466 NAZS04 #17409 HEXANE #V33E49 ACETONE #X01E43

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
NUMBER OF WORK ORDERS IN BATCH: 22

LEV 1	LEV 2	LEV 1	LEV 2	Weights/Volumes	Y	Expanded Deliverable
Y	Y	Y	Y	Spike & Surrogate Worksheet	Y	COC Completed
Y	Y	Y	Y	Vial contains correct volume	-	Bench Sheet Copied
Y	Y	Y	Y	Labels, greenbars, worksheets	-	Package Submitted to AnalyticalGroup
				computer batch: correct & all match		Bench Sheet Copied per COC
				Anomalies to Extraction Method		

Extractionist: 001935 Eric S. Miller
009223 Steffani D. Deubner

Concentrationist: 001560 Thomas R. Fausnight
002811 Dave S. Thomas

Reviewer/Date: MILLER / 4/10/02

PCBS (8082)
SONICATION w/ACID STRIP (PCB)

 * OC BATCH: 2099546 *
 *

 PREP DATE: 4/10/02 10:00
 COMP DATE: 4/11/02 6:00

EXTR	ANL	LOT#	MSRUN# /	TEST	EXT	MTH	MATRIX	INIT/FIN	INIT	PH+S	ADJ1	ADJ2	EXTRACTION	SOLVENTS	EXCHANGE	VOL	SPIKE STANDARD /
EXPR	DUE	WORK	ORDER	FLGS				WT/VOL	ADJT				VOL	HEXANE			SURROGATE ID
4/22/02	4/23/02	A2D090103	-003	D	71	QH	SOLID	30.15g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2	SURR #3893

COMMENTS: A2D090103-004
 4/22/02 4/23/02 XXXX-1-AA D 71 QH SOLID 30.03g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 2/.2 SURR #3893
 COMMENTS: 10.00mL

COMMENTS: A2D090104-002
 4/22/02 4/23/02 XXXX-1-AA D 71 QH SOLID 30.12g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 2/.2 SURR #3893
 COMMENTS: 10.00mL

COMMENTS: A2D090104-003
 4/22/02 4/23/02 XXXX-1-AA D 71 QH SOLID 30.07g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 2/.2 SURR #3893
 COMMENTS: 10.00mL

COMMENTS: A2D090104-004
 4/22/02 4/23/02 XXXX-1-AA D 71 QH SOLID 30.14g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 2/.2 SURR #3893
 COMMENTS: 10.00mL

COMMENTS: A2D090104-004
 4/22/02 4/23/02 XXXX-1-ACS D 71 QH SOLID 30.08g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 10PPM SPIKE #3892
 COMMENTS: 10.00mL

COMMENTS: A2D090104-004
 4/22/02 4/23/02 XXXX-1-ADD D 71 QH SOLID 30.02g NA NA NA DCM/ACE 300.0 HEXANE 50.0 1 ML 10PPM SPIKE #3892
 COMMENTS: 10.00mL

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:55:06

* QC BATCH: 2099546 *
* PRRP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT#, MSRUNK/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH+S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	VOL	SPIKE STANDARD/ SURROGATE ID
4/22/02 COMMENTS:	4/23/02	A2D090105-001 EKXLM-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-002 EKXLM-1-AA	D	71	QH SOLID	30.01g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003 EKXLM-1-AA	D	71	QH SOLID	30.13g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003 EKXLM-1-ACS	D	71	QH SOLID	30.02g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003 EKXLM-1-ADD	D	71	QH SOLID	30.19g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-004 EKXLP-1-AA	D	71	QH SOLID	30.1g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-005 EKXLR-1-AA	D	71	QH SOLID	30.12g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-006 EKXLT-1-AA	D	71	QH SOLID	30.2g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-007 EKXLV-1-AA	D	71	QH SOLID	30.16g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-008 EKXLM-1-AA	D	71	QH SOLID	30.03g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893

R0C058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:55:06

* QC BATCH: 2099546 *
* *****

PREP DATE: 4/10/02 10:00
COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH'S ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/22/02	4/23/02	A2D090105	-009	D	71	QH SOLID	30.16g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893

4/22/02	0/00/00	A2D090000	-546		71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
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4/22/02	0/00/00	A2D090000	-546		71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
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S/S BY ESM
DCM #V42466 NA2304 #17409 HEXANE #V33E49 ACETONE #X01E43

R = RUSH C = CLP
E = EPA 600 D = EXP. DEL) NUMBER OF WORK ORDERS IN BATCH: 20
M = CLIENT REQ MS/MSD

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 13:01:10

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
-	-	Y	Y
		Y	Y

Weights/Volumes
Spike & Surrogate Worksheet
Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct & all match
Anomalies to Extraction Method

Y Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to AnalyticalGroup
Bench Sheet Copied per COC

Extractionist: 001935 Eric S. Miller
Steffani D. Deubner
Concentrationist: 001560 Thomas R. Fausnight
002811 Dave S. Thomas

* QC BATCH: 2100102 *

PREP DATE: 4/10/02 10:00
COMP DATE: 4/11/02 6:00

Reviewer/Date: MILLER / 4/10/02

PCBs (8082)
Cont liq liq Extraction - Filtered

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/FLN WT/VOL	INIT ADJT	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID		
4/15/02	4/23/02	A2D090103-006			D	B8 QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 2/.2 #3893

4/15/02	4/23/02	A2D090104-006			D	B8 QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 2/.2 #3893
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4/15/02	0/00/00	A2D100000-102				B8 QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 2/.2 #3893
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4/15/02	0/00/00	A2D100000-102				B8 QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 10PPM #3892
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4/15/02	0/00/00	A2D100000-102				B8 QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 2/.2 #3893
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S/S BY ESM
DCM #V42466 NA2504 #17409 HEXANE #V33E49
ASSOC QC W/2100103.

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 5
M = CLIENT REQ MS/MSD

LEV 1	LEV 2	Blank	LEV 1	LEV 2	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
-	-		Y	Y	Labels, greenbars, worksheets
			Y	Y	computer batch: correct & all match
					Anomalies to Extraction Method

Extractionist: 001935 Eric S. Miller
 Concentrationist: 001560 Thomas R. Fausnight
 002811 Dave S. Thomas

Reviewer/Date: MILLERE / 4/10/02
 PCBs (8082)
 LIQ/LIQ, CONT W/ACID STRIP (PCB) - Nominal

 * QC BATCH: 2100103 *

 PREP DATE: 4/10/02 10:00
 COMP DATE: 4/11/02 6:00

Y Expanded Deliverable
 Y COC Completed
 - Bench Sheet Copied
 - Package Submitted to Analytical Group
 - Bench Sheet Copied per COC

4/15/02	4/23/02	A2D090103-005	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090104-005	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090105-010	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090136-001	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090161-001	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090161-002	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

4/15/02	4/23/02	A2D090161-003	D	61	QH	WATER	1000mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2	#3893	
COMMENTS:																		

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 13:00:28

* QC BATCH: 2100103 *
* *****

PREP DATE: 4/10/02 10:00
COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID		
4/15/02	4/23/02	A2D090161-007		D	61	QH WATER	1000mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML 2/.2 #3893

COMMENTS: A2D1000000-103
4/15/02 0/00/00 EXXKN-1-AAB 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D1000000-103
4/15/02 0/00/00 EXXKN-1-ACC 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 10PPM #3892
1.0ML 2/.2 #3893

COMMENTS: A2D1000000-103
4/15/02 0/00/00 EXXKN-1-ADL R 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 10PPM #3892
1.0ML 2/.2 #3893

COMMENTS: A2D1001111-018
4/16/02 4/12/02 EXXQ0-1-AA DR 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

S/S BY ESM
DCM #V422466 NA2304 #17409 HEXANE #V33E49
ASSOC QC W/2100102.

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 12
M = CLIENT REQ MS/MSD

04/18/02 09:47:58

Sample Control Chain of Custody - STL North Canton

PAGE 1

LOT NUMBER	SAMPLE NUMBER	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A2D090103	1		XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	2		XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	3		XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	4		XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	5		XXXXXIA	GCR082_L	4/10/02	Eric Miller	4/10/02	Eric Miller	4/15/02	Raymond Riesen
A2D090103	6		XXXXXIA	GCR082_A	4/10/02	Eric Miller	4/10/02	Eric Miller	4/13/02	Raymond Riesen
A2D090103	7		XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	7	S	XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen
A2D090103	7	D	XXXXXIA	GCR082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Riesen

*** END OF REPORT ***



GENERAL CHEMISTRY DATA



QC SUMMARY

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A2D090103

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids		Work Order #:	EXNTM1AA	MB Lot-Sample #:	A2D100000-354	
	ND	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1626

General Chemistry

Lot-Sample #...: A2D090103-001 Work Order #...: EXKKC Matrix.....: SO
Date Sampled...: 04/08/02 14:13 Date Received...: 04/09/02
% Moisture.....: 30

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	70.1	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1627

General Chemistry

Lot-Sample #...: A2D090103-002 Work Order #...: EXKKH Matrix.....: SO
Date Sampled...: 04/08/02 14:14 Date Received...: 04/09/02
% Moisture.....: 37

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	63.0	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1628

General Chemistry

Lot-Sample #...: A2D090103-003 Work Order #...: EXKKK Matrix.....: SO
Date Sampled...: 04/08/02 14:15 Date Received..: 04/09/02
% Moisture.....: 30

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	69.6	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1629

General Chemistry

Lot-Sample #...: A2D090103-004 Work Order #...: EXKKL Matrix.....: SO
Date Sampled...: 04/08/02 14:17 Date Received...: 04/09/02
% Moisture.....: 32

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	68.0	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SD-00-040802-GS-1631

General Chemistry

Lot-Sample #...: A2D090103-007 Work Order #...: EXKKQ Matrix.....: SO
Date Sampled...: 04/08/02 14:20 Date Received...: 04/09/02
% Moisture.....: 36

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	64.2	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		



SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TS
 Batch(es): 2100354
 Method #/SOP#: 160.3

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995 ?			/			/
2. Calibration curve consist of the minimum number of calibration standards?			/			/
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			/			/
4. ICB analyzed immediately after ICV and within criteria (\pm RL)?			/			/
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			/			/
2. CCB analyzed every 10 samples, at end of sequence & within criteria (\pm RL)?			/			/
C. Sample Results						
1. Were samples with concentrations $>$ the linear range diluted and reanalyzed ?			/			/
2. All reported results bracketed by in control QC ?	/			/		
3. Sample analyses done within holding time ?	/			/		
D. Quality Control						
1. LCS per prep batch and within QC limits ? (LCSD, where applicable)			/			/
2. Method blank done per prep batch and $<$ RL. Method blank RL supports the lowest RL reported for the batch?	/			/		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			/			/
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	/			/		
E. Titrant						
1. Titrant standardized?			/			/
2. If no, standardization expires			/			/
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			/			/
2. Calculations checked for error ?	/			/		
3. Transcriptions checked for error ?	/			/		
4. All client/project specific requirements met ?	/			/		
5. Date/time of preparation and analysis verified as correct ?	/			/		
6. Units verified as correct?	/			/		
7. Dilutions have been properly applied and RL's adjusted appropriately?			/			/
8. SOP followed?	/			/		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	/			/		
10. All reagent and standard numbers recorded in logbook?	/			/		/
11. Edits dated and initialed	/			/		/

Comment on any "NO" response(s): _____

Level I reviewer: Bruce Woodward Date: 4-11-02
 Level II Reviewer: OC Date: 4/11/02

Level I review:

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	2100354	
Prep Date	4/10/02	Time In		Analyst	OC	
Anal date	4/11/02	Time Out	8:33	RL	10	
Sample Id	Tare wt	Wet wt	Dry wt	Result TS %	Result MS %	comments
BLK C	5.652	5.7007	5.6853	1.62	ND	
EXML2	5.652	18.3471	10.2048	35.863	64.137	
EXKKC	5.652	16.5248	13.2734	70.096	29.904	
EXKKH	5.652	17.3966	13.0531	63.017	36.983	
EXKKK	5.652	18.8997	14.8751	69.620	30.380	
EXKKL	5.652	13.8457	11.2271	68.041	31.959	
EXKKQ	5.652	16.0822	12.3464	64.183	35.817	
EXKKQ X	5.652	20.257	17.4664	80.893	19.107	
EXKKD	5.652	14.2691	12.0734	74.519	25.481	
EXKKT	5.652	15.3508	13.0401	76.175	23.825	
EXKKV	5.652	17.9365	14.08	68.607	31.393	
EXKKW	5.652	14.8118	10.7182	55.309	44.691	
EXKKW X	5.652	15.5591	11.6766	60.811	39.189	
EXKK7	5.652	16.103	13.6087	76.133	23.867	
EXKK9	5.652	13.8866	10.8491	63.113	36.887	
EXJ1H	5.652	10.9546	10.3102	87.847	12.153	
EXJ1T	5.652	11.5108	10.6269	84.913	15.087	
EXJ14	5.652	17.0743	14.7379	79.545	20.455	
EXJ16	5.652	10.0075	9.3128	84.050	15.950	
EXJ17	5.652	11.738	10.3865	77.793	22.207	
EXJ19	5.652	12.7554	11.3752	80.570	19.430	
EXJ2F	5.652	13.8882	11.8744	75.549	24.451	
EXJ2H	5.652	12.0202	11.0891	85.379	14.621	

STL North Canton
Sample Control Chain of Custody for General Chemistry

<u>Lot Number</u>	<u>Sample Suffix</u>	<u>Lab ID</u>	<u>Test</u>	<u>Prep Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
A2D090103	1	EXKKC1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090103	2	EXKKH1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090103	3	EXKKK1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090103	4	EXKKL1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090103	7	X EXKKQ1AF	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090103	7	EXKKQ1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon

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SEVERN

TRENT

SERVICES

STL North Canton
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North Canton, OH 44720-6961

Tel: 330 497 9396
Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 13968

GMPT-BEDFORD

Lot #: A2D090104

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

SEVERN TRENT LABORATORIES, INC.



Amy L. McCormick
Project Manager

April 23, 2002



CASE NARRATIVE

CASE NARRATIVE

A2D090104

The following report contains the analytical results for six solid samples and one water sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT-Bedford Site, project number 13968. The samples were received April 9, 2002, according to documented sample acceptance procedures.

The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. Preliminary results were provided to the Chemistry Department on April 18, 2002. A summary of QC data for these analyses is included at the rear of the report.

SUPPLEMENTAL QC INFORMATION

GC SEMIVOLATILES - 8082

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Samples GS-1620, GS-1621, GS-1622, GS-1623, and GS-1624 contained degraded and/or possible mixtures of aroclors. The best pattern match was used in identification and quantitation for the samples.

STL utilizes USEPA approved methods in all analytical work. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.



Amy McCormick
Project Manager

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)

Methylene chloride
Acetone
2-Butanone

Semivolatile (GC/MS)

Phthalate Esters

Metals

Copper
Iron
Zinc
Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*
- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, PAH, and Herbicide methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

Alabama (#41170), California (#2157), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Kentucky (#90021), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), Missouri (#6090), New Jersey (#74001), New York (#10975), North Dakota (#R-156), Ohio (#6090), OhioVAP (#CL0024), Pennsylvania (#68-340), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)



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METHOD REFERENCE

ANALYTICAL METHODS SUMMARY

A2D090104

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Dissolved PCBs	SW846 8082
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.



SAMPLE SUMMARY

SAMPLE SUMMARY

A2D090104

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
EXKKD	001	S-00-040802-GS-1619	04/08/02	13:56
EXKKT	002	S-00-040802-GS-1620	04/08/02	13:58
EXKKV	003	S-00-040802-GS-1621	04/08/02	14:00
EXKKW	004	SD-00-040802-GS-1622	04/08/02	14:02
EXKKX	005	SW-00-040802-LM-1623	04/08/02	14:02
EXKK6	006	SW-00-040802-LM-1623DISS	04/08/02	14:02
EXKK7	007	S-00-040802-GS-1625	04/08/02	14:11
EXKK9	008	S-00-040802-GS-1624	04/08/02	14:04

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



***SHIPPING
AND
RECEIVING DOCUMENTS***

CRA

CONESTOGA-ROVERS & ASSOCIATES
 8615 W. Bryn Mawr Avenue
 Chicago, Illinois 60631 (773)380-9933

SHIPPED TO (Laboratory Name):

STL - NORTH CANTON; NORTH CANTON, OHIO

COOLER K 440

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:
13968

PROJECT NAME:
GMP - BEDFORD

SAMPLER'S SIGNATURE: *George Seng* PRINTED NAME: GEORGE SENG

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	OF CONTAINERS	PARAMETERS	REMARKS
	04/08/02	13:56	S-00-040802-GS-1619	Soil	1	X	
		13:58	S-00-040802-GS-1620	Soil	1	X	
		14:00	S-00-040802-GS-1621	Soil	1	X	
		14:02	SD-00-040802-GS-1622	Soil	3	X	
		14:02	SW-00-040802-LM-1623	WATER	4	X X	
		14:11	S-00-040802-GS-1625	Soil	1	X	
		14:04	S-00-040802-GS-1624	Soil	1	X	
TOTAL NUMBER OF CONTAINERS					12		

RELINQUISHED BY: *George Seng*

DATE: 04/08/02
 TIME: 18:00

RECEIVED BY: _____

DATE: _____
 TIME: _____

RELINQUISHED BY: _____

DATE: _____
 TIME: _____

RECEIVED BY: _____

DATE: _____
 TIME: _____

METHOD OF SHIPMENT: COURIER

AIR BILL No. _____

- White - Fully Executed Copy
- Yellow - Receiving Laboratory Copy
- Pink - Shipper Copy
- Goldenrod - Sampler Copy

SAMPLE TEAM:

SENG, MERRI
 WEINBERGER

RECEIVED FOR LABORATORY BY: _____

DATE: 4/22/02 TIME: 0740

07469

Severn Trent Laboratories, Inc.
Sample Control Record

RSR280
 Client: 57787
 Lot #: A2D090104
 Case Number/SDG: 13968
 Storage Location: W13

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
EKKKD	EARLES	4/09/02	Yes		Storage	
EKKKT	EARLES	4/09/02	Yes		Storage	
EKKKV	EARLES	4/09/02	Yes		Storage	
EKKKW	EARLES	4/09/02	Yes		Storage	
EKKKX	EARLES	4/09/02	Yes		Storage	
EKKK6	EARLES	4/09/02	Yes		Storage	
EKKK7	EARLES	4/09/02	Yes		Storage	
EKKK9	EARLES	4/09/02	Yes		Storage	

STL Cooler Receipt Form/Narrative

North Canton Facility

Client: _____ Project: _____ Quote#: _____
 Cooler Received on: 4-9-02 Opened on: 4-9-02 by: Anne Sanders
 (Signature)

Fedx Client Drop Off UPS Airborne
 Other: Carter
 Cooler Safe Foam Box Client Cooler Other: _____

STL Shipper No#: See Back

1. Were custody seals on the outside of the cooler and intact? Yes No
 If YES, Quantity 4 Location acrted
 Were the custody seals signed and dated? Yes No NA
 2. Shipper's packing slip attached to this form? Yes No
 3. Were custody papers included inside the cooler and relinquished? Yes No
 4. Did you sign the custody papers in the appropriate place? Yes No
 5. Packing material used:
 Peanuts Bubble Wrap Vermiculite Foam None Other: _____
 6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temperature Vial Between Coolant & Sample Container Against Bottles
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Were all the bottles sealed in separate plastic bags? Yes No
 8. Did all bottles arrive in good condition (Unbroken)? Yes No
 9. Did all bottle labels and tags agree with the custody papers? Yes No NA
 10. Were samples at the correct pH? Yes No NA
 11. Were correct bottles used for the tests indicated? Yes No
 12. Were air bubbles >6 mm in any VOA vials? Yes No NA
 13. Was a sufficient amount of sample sent in each bottle? Yes No
- Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning: _____

MACRO MACRO

1. CHAIN OF CUSTODY	
SR1A	Samples were received under proper custody procedures and without discrepancies.
SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____

2. SAMPLE CONDITION	
SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
SR2B	Sample(s) _____ were received with insufficient volume
SR2C	Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION	
SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). <small>Nitric Acid Lot # 120701-HNO3; Sulfuric Acid Lot # 112801-H2SO4; Sodium Hydroxide Lot # 102401-NaOH; Hydrochloric Acid Lot # 041400-HCl; Sodium Hydroxide and Zinc Acetate Lot # 030801-CH3COO2ZN/NaOH</small>
SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. NCM	
SR4A	NCM has been generated. Refer to Clouseau for details

5. Other Anomalies (see below or back)



POLYCHLORINATED BIPHENYLS DATA



QC SUMMARY DATA

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090104

Extraction: XXA71QH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	S-00-040802-GS-1619	69	86	00
02	INTRA-LAB QC	63	59	00
03	S-00-040802-GS-1620	67	69	00
04	S-00-040802-GS-1621	0.0D	0.0D	02
05	SD-00-040802-GS-1622	0.0D	0.0D	02
06	S-00-040802-GS-1625	69	73	00
07	S-00-040802-GS-1624	102	103	00
08	INTRA-LAB QC	77	102	00
09	METHOD BLK. EXL981AA	92	114	00
10	METHOD BLK. EXMAG1AA	81	95	00
11	LCS EXL981AC	85	104	00
12	LCS EXMAG1AC	72	76	00
13	LAB MS/MSD D	85	87	00
14	SD-00-040802-GS-1622 D	0.0D	0.0D	02
15	LAB MS/MSD D	100	122	00
16	LAB MS/MSD S	64	68	00
17	SD-00-040802-GS-1622 S	0.0D	0.0D	02
18	LAB MS/MSD S	89	110	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(31-127)

(23-141)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090104

Extraction: XXIB8QH72

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	SW-00-040802-LM-1623DISS	88	29	00
02	METHOD BLK. EXMKM1AA	84	86	00
03	LCS EXMKM1AC	92	34	00
04	LCSD EXMKM1AD	78	53	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090104

Extraction: XXI61QH72

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	SW-00-040802-LM-1623	90	92	00
02	METHOD BLK. EXMKN1AA	96	90	00
03	LCS EXMKN1AC	95	32	00
04	LCSD EXMKN1AD	97	49	00

SURROGATES

SRG01 = Tetrachloro-m-xylene
 SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)
 (24-128)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090103

WO #: EXKKQ1AD

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	520	ND	700	134	26 - 144	
Aroclor 1260	520	89	500	80	37 - 138	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090103

WO #: EXKKQ1AE

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Aroclor 1016	520	770	148*	9.8	39	26 - 144	a
Aroclor 1260	520	560	90	9.9	33	37 - 138	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.
Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: SD-00-040802-GS-1622

Lot #: A2D090104

WO #: EXKKW1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	600	ND	1500	252*	26 - 144	DIL a
Aroclor 1260	600	580	1000	75	37 - 138	DIL

NOTES (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: SD-00-040802-GS-1622

Lot #: A2D090104

WO #: EXKKW1AD

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Aroclor 1016	600	1800	294*	15	39	26 - 144	DIL a
Aroclor 1260	600	1200	105	16	33	37 - 138	DIL

NOTES (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090105

WO #: EXKLN1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	410	ND	380	93	26 - 144	
Aroclor 1260	410	ND	470	114	37 - 138	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A2D090105

WO #: EXKLN1AD

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD		QC LIMITS		QUAL
			% REC	% RPD	RPD	REC	
Aroclor 1016	410	450	110	16	39	26 - 144	
Aroclor 1260	410	610	149*	26	33	37 - 138	a

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090000

WO #: EXL981AC

BATCH: 2099545

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1260	330	350	105	51 - 127	
Aroclor 1016	330	290	87	49 - 122	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D090000

WO #: EXMAG1AC

BATCH: 2099546

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	240	73	49 - 122	
Aroclor 1260	330	250	75	51 - 127	

NOTES (S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKM1AC

BATCH: 2100102

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dissolved Aroclor-1016	10	10	101	61- 118	
Dissolved Aroclor 1260	10	9.7	97	61- 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKM1AD

BATCH: 2100102

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dissolved Aroclor-1016	10	9.4	94	61- 118	
Dissolved Aroclor 1260	10	11	109	61- 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKN1AC

BATCH: 2100103

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	9.9	99	61- 118	
Aroclor 1260	10	9.2	92	61- 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No:

Lot #: A2D100000

WO #: EXMKN1AD

BATCH: 2100103

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	10	102	61 - 118	
Aroclor 1260	10	10	103	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXL981AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: 007B0701.

Lot Number: A2D090104

Matrix: SOLID

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(1): 04/14/02

Date Analyzed(2): N/A

Time Analyzed(1): 12:57

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	S-00-040802-GS-1619	EXKKD1AA	04/16/02	N/A
02	INTRA-LAB QC	EXKKQ1AA	04/16/02	N/A
03	LAB MS/MSD	EXKKQ1AD S	04/16/02	N/A
04	LAB MS/MSD	EXKKQ1AE D	04/16/02	N/A
05	S-00-040802-GS-1625	EXKK71AA	04/16/02	N/A
06	S-00-040802-GS-1624	EXKK91AA	04/16/02	N/A
07	CHECK SAMPLE	EXL981AC C	04/14/02	N/A
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMAG1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: 044B4401.

Lot Number: A2D090104

Matrix: SOLID

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(1): 04/16/02

Date Analyzed(2): N/A

Time Analyzed(1): 02:28

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	S-00-040802-GS-1620	EXKKT1AA	04/16/02	N/A
02	S-00-040802-GS-1621	EXKKV1AA	04/16/02	N/A
03	SD-00-040802-GS-1622	EXKKW1AA	04/16/02	N/A
04	SD-00-040802-GS-1622	EXKKW1AC S	04/16/02	N/A
05	SD-00-040802-GS-1622	EXKKW1AD D	04/16/02	N/A
06	INTRA-LAB QC	EXKLN1AA	04/16/02	N/A
07	LAB MS/MSD	EXKLN1AC S	04/16/02	N/A
08	LAB MS/MSD	EXKLN1AD D	04/16/02	N/A
09	CHECK SAMPLE	EXMAG1AC C	04/16/02	N/A
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMKM1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: 095B9501.

Lot Number: A2D090104

Matrix: WATER

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(1): 04/13/02

Date Analyzed(2): N/A

Time Analyzed(1): 16:00

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	SW-00-040802-LM-1623DISS	EXKK61AA	04/13/02	N/A
02	CHECK SAMPLE	EXMKM1AC C	04/13/02	N/A
03	DUPLICATE CHECK	EXMKM1AD L	04/13/02	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

EXMKN1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

Lab File ID: 052B5201.

Matrix: WATER

Date Analyzed(1): 04/12/02

Time Analyzed(1): 07:01

Instrument ID(1): P4

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

SDG Number:

Lot Number: A2D090104

Extraction Method: 3550

Date Extracted: 04/10/02

Date Analyzed(2): N/A

Time Analyzed(2): N/A

Instrument ID(2): N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 SW-00-040802-LM-1623	EXKKX1AA	04/15/02	N/A
02 CHECK SAMPLE	EXMKN1AC C	04/12/02	N/A
03 DUPLICATE CHECK	EXMKN1AD L	04/12/02	N/A
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

COMMENTS:



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1619

GC Semivolatiles

Lot-Sample #...: A2D090104-001 Work Order #...: EXKKD1AA Matrix.....: SO
 Date Sampled...: 04/08/02 13:56 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30.04 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 25 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	44	ug/kg	7.1
Aroclor 1221	ND	44	ug/kg	25
Aroclor 1232	ND	44	ug/kg	15
Aroclor 1242	ND	44	ug/kg	24
Aroclor 1248	ND	44	ug/kg	6.2
Aroclor 1254	ND	44	ug/kg	27
Aroclor 1260	ND	44	ug/kg	9.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	69	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\024B2401.D
 Report Date: 17-Apr-2002 08:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\024B2401.D
 Lab Smp Id: EXKKD1AA Client Smp ID: S-00-040802-GS-1619
 Inj Date : 16-APR-2002 21:14 Inst ID: a2hp4.i
 Operator : 1808
 Smp Info : EXKKD1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.040	initial volume

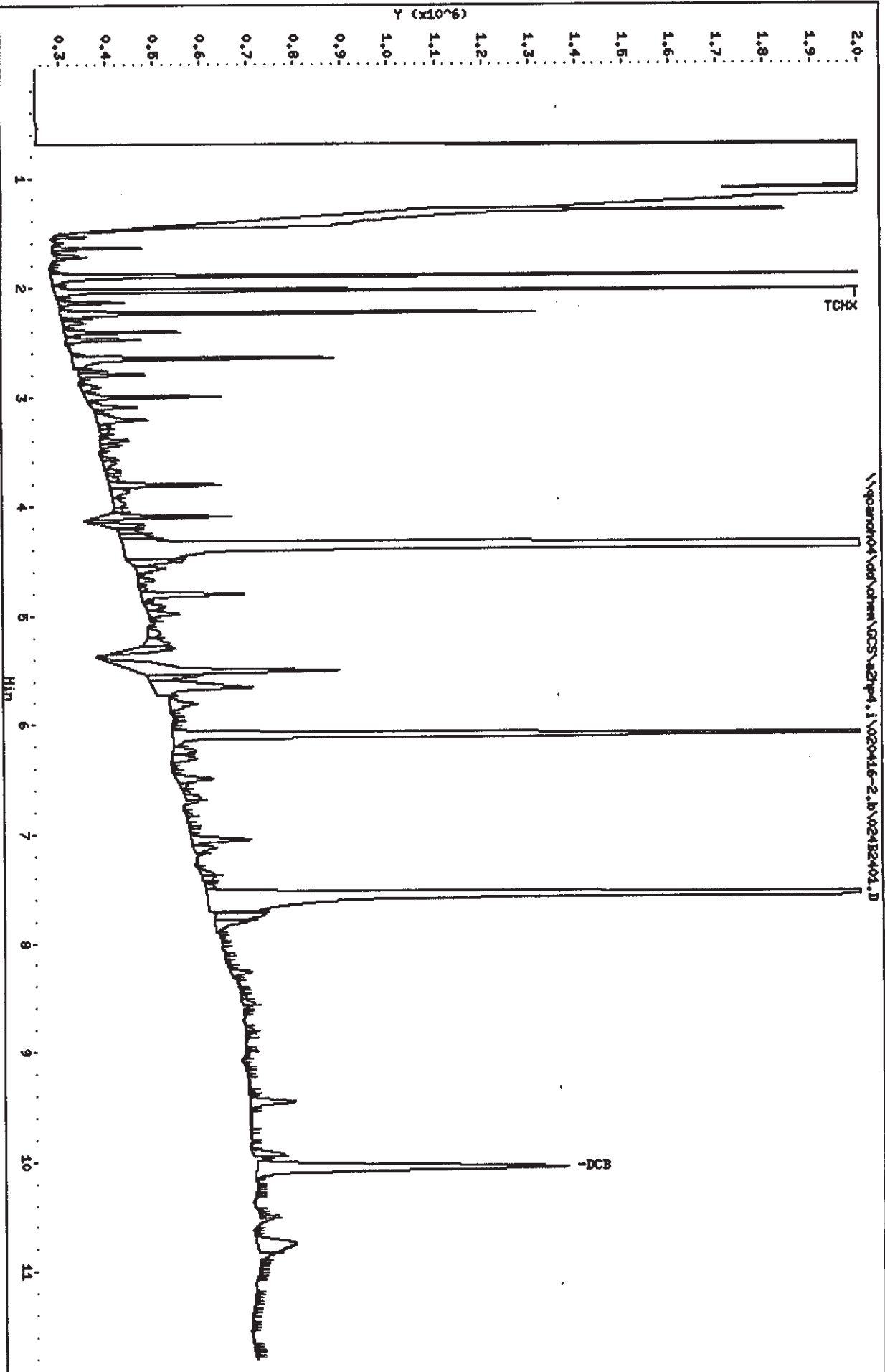
ND

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/kg)	TARGET RANGE	RATIO
\$ 1	TCMX					CAS #: 877-09-8	
2.028	2.027	(0.001)	1758047	0.01388	4.622		
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

		CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
..
4			AROCLOR-1232				CAS #: 11141-16-5	
Compound Not Detected								
5			AROCLOR-1242				CAS #: 53469-21-9	
Compound Not Detected								
6			AROCLOR-1248				CAS #: 12672-29-6	
Compound Not Detected								
7			AROCLOR-1254				CAS #: 11097-69-1	
Compound Not Detected								
8			AROCLOR-1260				CAS #: 11096-82-5	
Compound Not Detected								
10			AROCLOR-1262				CAS #:	
Operator disabled compound identification.								
12			AROCLOR-1268				CAS #:	
Operator disabled compound identification.								
9	DCB						CAS #: 2051-24-3	
10.056	10.055	(0.001)			666414	0.01727	5.749	

Data File: \\gpcan04\vd\chem\GCS\ad2hp4.i\020416-2.b\024B2401.D
Date: 16-FEB-2002 21:14
Client ID: S-00-040802-GS-1619
Sample Info: EXX010A9
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: ad2hp4.i
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1620

GC Semivolatiles

Lot-Sample #...: A2D090104-002 Work Order #...: EXKKT1AA Matrix.....: SO
 Date Sampled...: 04/08/02 13:58 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Initial Wgt/Vol: 30.12 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 24 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	43	ug/kg	7.0
Aroclor 1221	ND	43	ug/kg	25
Aroclor 1232	ND	43	ug/kg	14
Aroclor 1242	ND	43	ug/kg	24
Aroclor 1248	39 J	43	ug/kg	6.0
Aroclor 1254	ND	43	ug/kg	26
Aroclor 1260	19 J	43	ug/kg	9.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(31 - 127)
Decachlorobiphenyl	69	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\048B4801.D
 Report Date: 17-Apr-2002 10:34

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\048B4801.D
 Lab Smp Id: EXKKT1AA Client Smp ID: S-00-040802-GS-1620
 Inj Date : 16-APR-2002 03:34 Inst ID: a2hp4.i
 Operator : 1808
 Smp Info : EXKKT1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.120	initial volume

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/kg)	TARGET RANGE	RATIO
§ 1	TCMX					CAS #: 877-09-8	
2.027	2.028	(-0.001)	1696182	0.01340	4.447		
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
..
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6 AROCLOR-1248			CAS #: 12672-29-6			
2.727	2.728	(-0.001)	47406	0.03763	12.49 75.00- 125.00	100.00 (M)
3.678	3.679	(-0.001)	146371	0.05257	17.45 42.30- 70.50	308.76
4.106	4.108	(-0.002)	344168	0.12468	41.40 6.10- 10.16	726.00
4.442	4.446	(-0.004)	327211	0.13093	43.47 1.66- 2.77	690.23
4.986	4.988	(-0.002)	141544	0.10233	33.98 16.38- 27.30	298.58
Average of Peak Concentrations =			29.76			
7 AROCLOR-1254			CAS #: 11097-69-1			
3.400	3.400	(0.000)	143331	0.07412	24.61 75.00- 125.00	100.00 (M)
4.385	4.385	(0.000)	0	0	65.40- 109.00	0.00
4.986	4.988	(-0.002)	141544	0.03033	10.07 38.55- 65.92	98.75
5.252	5.255	(-0.003)	94825	0.03169	10.52 160.97- 267.62	66.16
6.092	6.094	(-0.002)	252418	0.08190	27.19 173.71- 289.51	176.11
Average of Peak Concentrations =			18.10			
8 AROCLOR-1260			CAS #: 11096-82-5			
5.252	5.257	(-0.005)	94825	0.03184	10.57 75.00- 125.00	100.00 (M)
6.092	6.096	(-0.004)	252418	0.07904	26.24 80.94- 134.90	266.19
6.705	6.708	(-0.003)	65874	0.02990	9.926 55.38- 92.30	69.47
7.125	7.129	(-0.004)	207356	0.04312	14.32 131.82- 219.71	218.67
7.749	7.757	(-0.008)	97108	0.03605	11.97 70.86- 118.10	102.41
Average of Peak Concentrations =			14.60			
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
12 AROCLOR-1268			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
9 DCB			CAS #: 2051-24-3			
10.054	10.057	(-0.003)	533764	0.01383	4.592	(R)

MM 4/17/02

no
pattern
match

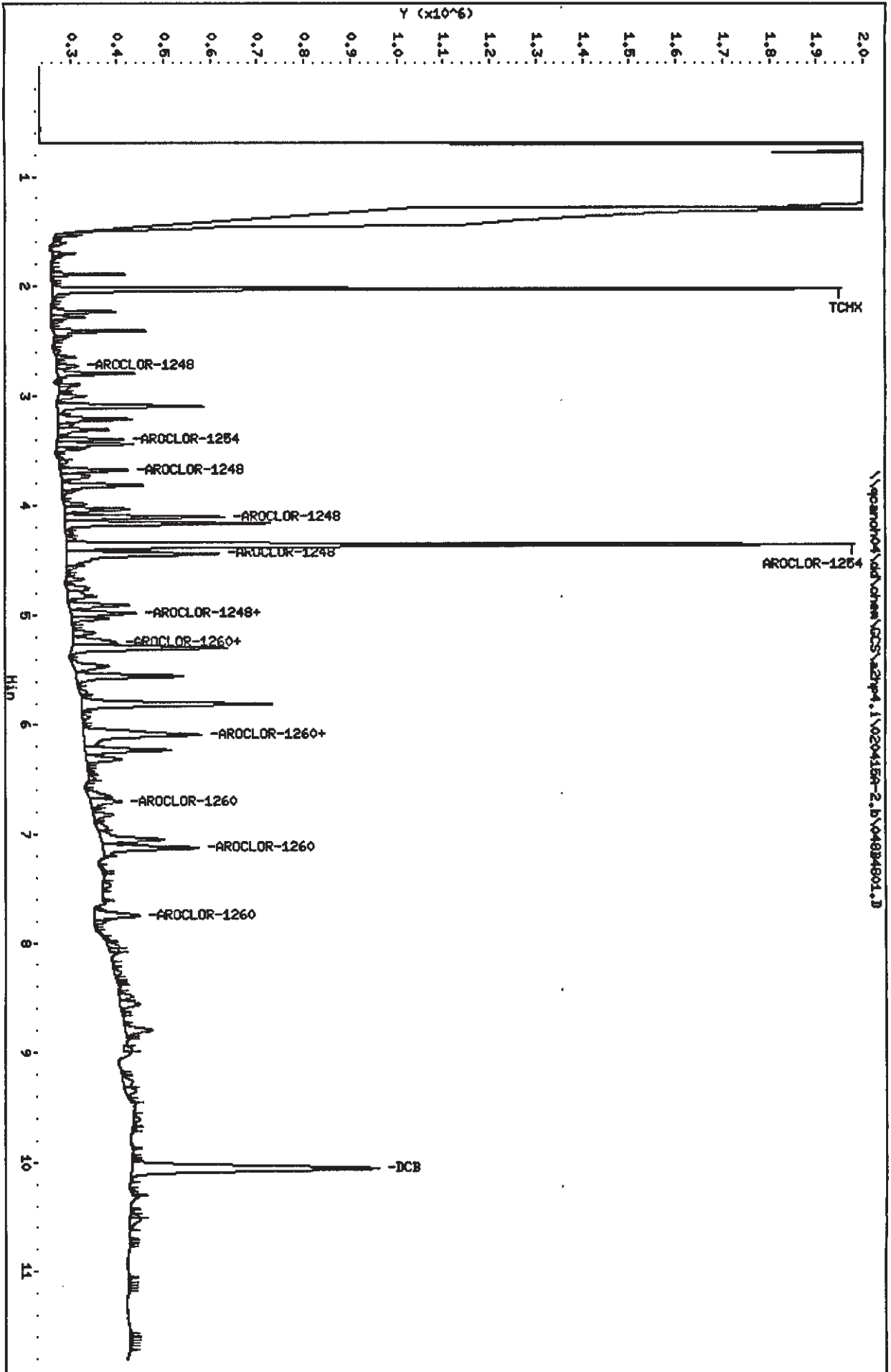
Data File: \\qcanoh04\dd\chem\GCS\A2HP4.I\020415A-2.B\048B4801.D
Report Date: 17-Apr-2002 10:34

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\vparan04\vd\chem\CCS\2194.1\0204158-2.D\04894801.D
 Date: 16-APR-2002 03:34
 Client ID: S-00-040802-CS-1620
 Sample Info: EX007104
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: 2194.1
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1621

GC Semivolatiles

Lot-Sample #...: A2D090104-003 Work Order #...: EXKKV1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:00 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 10 Initial Wgt/Vol: 30.07 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 31 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	480	ug/kg	77
Aroclor 1221	ND	480	ug/kg	280
Aroclor 1232	ND	480	ug/kg	160
Aroclor 1242	ND	480	ug/kg	260
Aroclor 1248	2700	480	ug/kg	67
Aroclor 1254	ND	480	ug/kg	290
Aroclor 1260	500	480	ug/kg	110

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	0.0 DIL, *	(31 - 127)
Decachlorobiphenyl	0.0 DIL, *	(23 - 141)

NOTE(S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\049B4901.D
Report Date: 17-Apr-2002 10:34

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\049B4901.D
Lab Smp Id: EXKKV1AA Client Smp ID: S-00-040802-GS-1621
Inj Date : 16-APR-2002 03:50
Operator : 1808 Inst ID: a2hp4.i
Smp Info : EXKKV1AA,10
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.070	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL	FINAL	TARGET RANGE	RATIO
----	--------	--------	----	----------------	--------	-------	--------------	-------

1 TCMX CAS #: 877-09-8

Operator disabled compound identification.

2 AROCLOR-1221 CAS #: 11104-28-2

Compound Not Detected

3 AROCLOR-1016 CAS #: 12674-11-2

Compound Not Detected

		CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (	ON-COL (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----	
4 AROCLOR-1232			CAS #: 11141-16-5					
Compound Not Detected								
5 AROCLOR-1242			CAS #: 53469-21-9					
Compound Not Detected								
6 AROCLOR-1248			CAS #: 12672-29-6					
2.728	2.728	(0.000)	396972	0.31515	1048	75.00- 125.00	100.00 (M)	
3.679	3.679	(0.000)	1103814	0.39642	1318	42.30- 70.50	278.06	
4.107	4.108	(-0.001)	1612283	0.58408	1942	6.10- 10.16	406.15	
4.444	4.446	(-0.002)	2007640	0.80331	2671	1.66- 2.77	505.74	
4.987	4.988	(-0.001)	902294	0.65235	2169	16.38- 27.30	227.29	
Average of Peak Concentrations =					1830			
7 AROCLOR-1254			CAS #: 11097-69-1					
3.401	3.400	(0.001)	1141623	0.59035	1963	75.00- 125.00	100.00 (M)	
4.385	4.385	(0.000)	U			65.40- 100.00	0.00	
4.987	4.988	(-0.001)	902294	0.19335	643.0	39.55- 65.92	79.04	
5.252	5.255	(-0.003)	387676	0.12957	430.9	160.57- 267.62	33.96	
6.093	6.094	(-0.001)	402742	0.13068	434.6	173.71- 289.51	35.28	
Average of Peak Concentrations =					867.9			
8 AROCLOR-1260			CAS #: 11096-82-5					
5.252	5.257	(-0.005)	387676	0.13019	433.0	75.00- 125.00	100.00 (M)	
6.093	6.096	(-0.003)	402742	0.12611	419.4	80.94- 134.90	103.89	
6.705	6.708	(-0.003)	179667	0.08154	271.2	55.38- 92.30	46.34	
7.126	7.129	(-0.003)	431723	0.08979	298.6	131.82- 219.71	111.36	
7.754	7.757	(-0.003)	231264	0.08585	285.5	70.86- 118.10	59.65	
Average of Peak Concentrations =					341.5			
10 AROCLOR-1262			CAS #:					
Peaks not detected for Quant. or Qual. signal(s).								
12 AROCLOR-1268			CAS #:					
Peaks not detected for Quant. or Qual. signal(s).								

MM 4/17/02

no
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\049B4901.D
Report Date: 17-Apr-2002 10:34

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ng)	TARGET RANGE	RATIO
..
\$	9	DCB				CAS #: 2051-24-3	

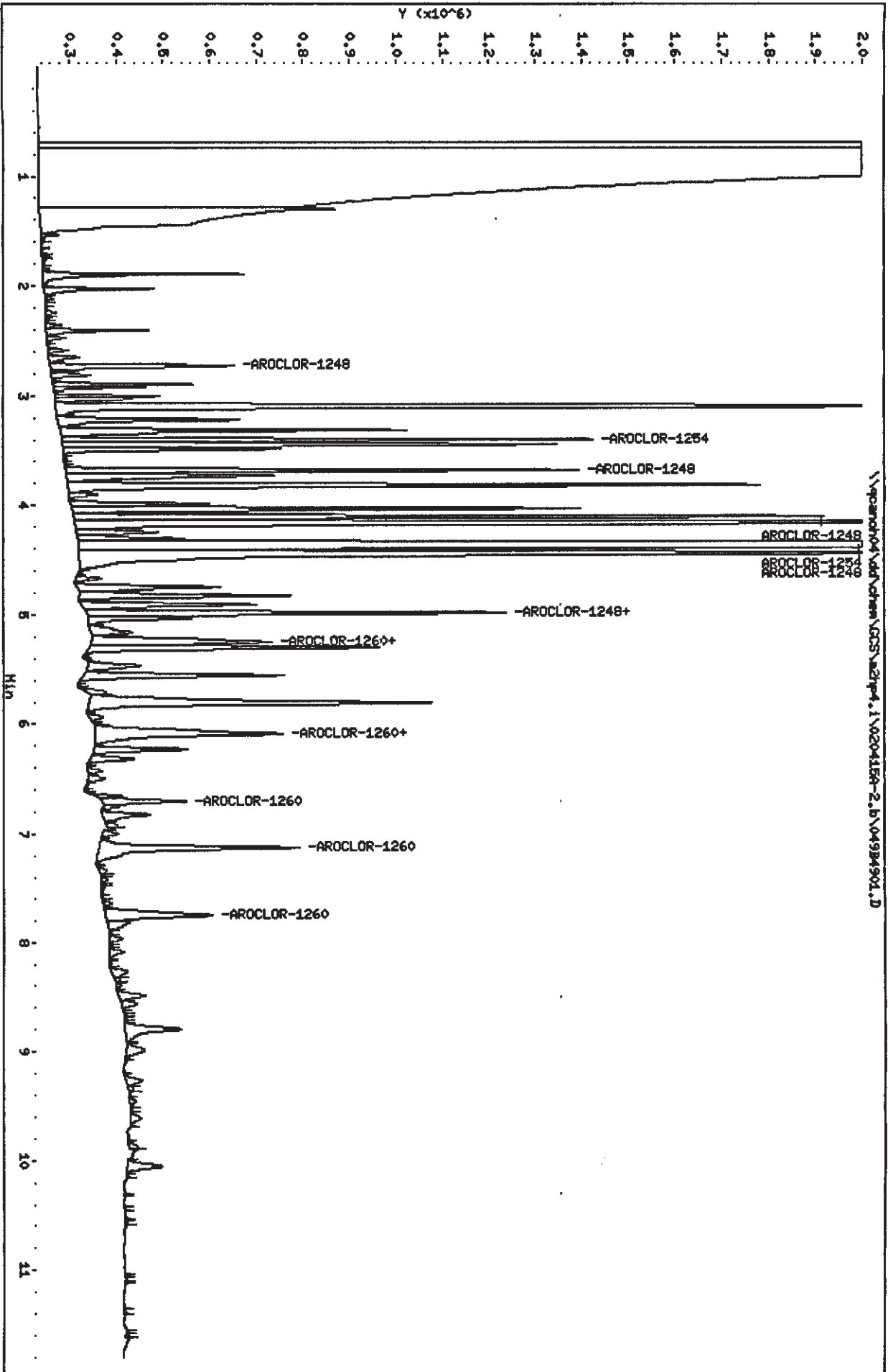
Operator disabled compound identification.

QC Flag Legend

M - Compound response manually integrated.

Data File: \\qpcard04\vol\chem\SCS\az2hp4.1\020415R-2.B\04934901.D
 Date: 16-APR-2002 03:50
 Client ID: S-00-040802-GS-1621
 Sample Info: EKKV1R10
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: az2hp4.1
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SD-00-040802-GS-1622

GC Semivolatiles

Lot-Sample #...: A2D090104-004 Work Order #...: EXKKW1AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 10 Initial Wgt/Vol: 30.14 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 45 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	600	ug/kg	96
Aroclor 1221	ND	600	ug/kg	340
Aroclor 1232	ND	600	ug/kg	200
Aroclor 1242	ND	600	ug/kg	330
Aroclor 1248	3100	600	ug/kg	83
Aroclor 1254	ND	600	ug/kg	360
Aroclor 1260	580 J	600	ug/kg	130

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL, *	(31 - 127)
Decachlorobiphenyl	0.0 DIL, *	(23 - 141)

NOTE (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\050B5001.D
 Report Date: 17-Apr-2002 10:35

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\050B5001.D
 Lab Smp Id: EXKKW1AA Client Smp ID: SD-00-040802-GS-162
 Inj Date : 16-APR-2002 04:07
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKW1AA,10
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 10.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.140	initial volume

CONCENTRATIONS							
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
§ 1	TCMX					CAS #: 877-09-8	
Operator disabled compound identification.							
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

		CONCENTRATIONS					
RT	EXP RT	DLT RT	OW-COL	FINAL	TARGET RANGE	RATIO	
*****	*****	*****	*****	*****	*****	*****	
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.731	2.728	(0.003)	352892	0.28015	929.5	75.00- 125.00 100.00 (M)	
3.678	3.679	(-0.001)	1855323	0.66639	2211	42.30- 70.90 525.80	
4.106	4.108	(-0.002)	971277	0.35187	1167	6.10- 10.16 275.23	
4.443	4.446	(-0.003)	1404224	0.56187	1864	1.66- 2.77 397.92	
4.987	4.988	(-0.001)	1020504	0.73781	2448	16.38- 27.30 289.18	
Average of Peak Concentrations =			1724				
7 AROCLOR-1254			CAS #: 11097-69-1				
3.400	3.400	(0.000)	1430220	0.73959	2454	75.00- 125.00 100.00 (M)	
4.385	4.385	(0.000)	0			65.40- 109.00 0.00	
4.987	4.988	(-0.001)	1020504	0.21868	725.5	39.55- 65.92 71.35	
5.252	5.255	(-0.003)	422906	0.14196	469.0	160.57- 267.62 29.57	
6.091	6.094	(-0.003)	325143	0.10550	350.0	173.71- 289.51 22.43	
Average of Peak Concentrations =			999.6				
8 AROCLOR-1260			CAS #: 11096-82-5				
5.252	5.257	(-0.005)	422906	0.14202	471.2	75.00- 125.00 100.00 (M)	
6.091	6.096	(-0.005)	325143	0.10182	337.8	80.94- 134.90 76.88	
6.704	6.708	(-0.004)	181157	0.08222	272.8	55.38- 92.30 42.84	
7.126	7.129	(-0.003)	371808	0.07732	256.6	131.82- 219.71 87.92	
7.751	7.757	(-0.006)	219329	0.08142	270.1	70.86- 118.10 51.86	
Average of Peak Concentrations =			321.7				
10 AROCLOR-1262			CAS #:				
Operator disabled compound identification.							
12 AROCLOR-1268			CAS #:				
Operator disabled compound identification.							

MM 4/17/02

No pattern match

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\050B5001.D
Report Date: 17-Apr-2002 10:35

		CONCENTRATIONS				
		OW-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
# 9 DCB			CAS #: 2051-24-3			

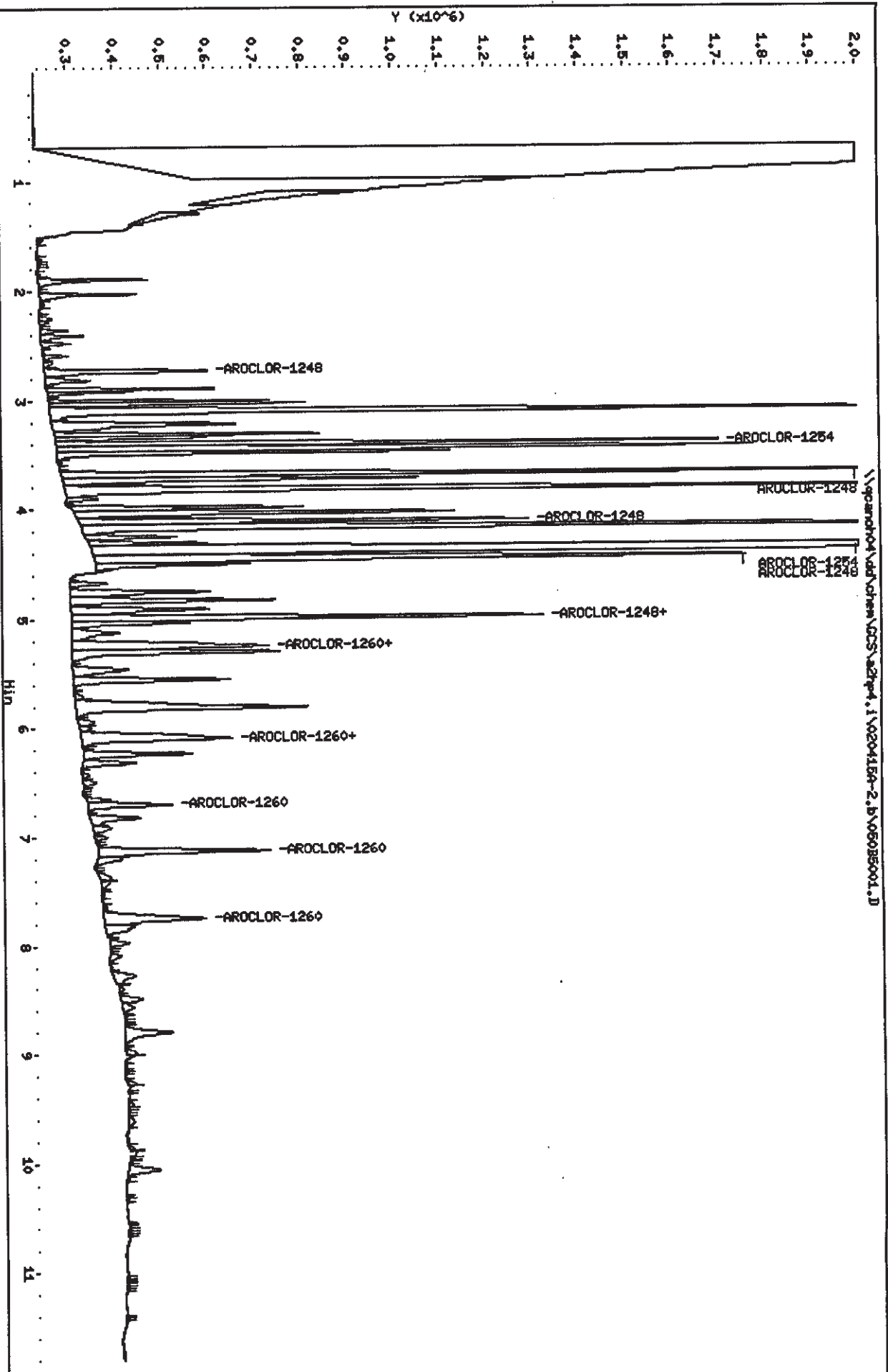
Operator disabled compound identification.

QC Flag Legend

M - Compound response manually integrated.

Data File: \\pcanoh4\dd\chem\GC5\adhp4.1\020415R-2.B\05085001.D
 Date: 16-APR-2002 04:07
 Client ID: SD-00-040802-09-162
 Sample Info: EXXONLDA,10
 Volume Injected (uL): 1.0
 Column phase: restek pest c/p1

Instrument: adhp4.1
 Operator: 1908
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SW-00-040802-IM-1623

GC Semivolatiles

Lot-Sample #...: A2D090104-005 Work Order #...: EXKKX1AA Matrix.....: WS
 Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/15/02
 Prep Batch #...: 2100103
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol...: 2 mL
 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	0.20	ug/L	0.054
Aroclor 1221	ND	0.20	ug/L	0.11
Aroclor 1232	ND	0.40	ug/L	0.056
Aroclor 1242	ND	0.20	ug/L	0.075
Aroclor 1248	0.16 J	0.20	ug/L	0.061
Aroclor 1254	ND	0.20	ug/L	0.082
Aroclor 1260	ND	0.20	ug/L	0.044

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(45 - 120)
Decachlorobiphenyl	92	(24 - 128)

NOTE(S) :

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\061B6101.D
 Report Date: 17-Apr-2002 10:27

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\061B6101.D
 Lab Smp Id: EXKKX1AA Client Smp ID: SW-00-040802-LM-162
 Inj Date : 15-APR-2002 06:01
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKX1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1	TCMX				CAS #: 877-09-8	
2.028	2.026	(0.002)	11348090	0.08962	0.1792	
2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						
3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CON-COL	FINAL (ug/L)	TARGET RANGE	RATIO
..
4 AROCLOR-1232				CAS #: 11141-16-5			
Compound Not Detected							
5 AROCLOR-1242				CAS #: 53469-21-9			
Compound Not Detected							
6 AROCLOR-1248				CAS #: 12672-29-6			
2.716	2.726	(-0.010)	58884	0.04675	0.09349	75.00- 125.00	100.00 (M)
3.678	3.678	(0.000)	132481	0.04758	0.09516	56.03- 93.39	224.99
4.105	4.106	(-0.001)	163839	0.05935	0.1187	8.20- 13.67	278.24
4.448	4.442	(0.006)	143164	0.05728	0.1146	2.79- 4.64	243.13
4.986	4.986	(0.000)	246108	0.17793	0.3559	21.90- 36.51	417.95
Average of Peak Concentrations =				0.1556			
7 AROCLOR-1254				CAS #: 11097-69-1			
3.399	3.400	(-0.001)	125244	0.06477	0.1295	75.00- 125.00	100.00 (M)
4.363	4.384	(-0.021)	185701	0.05548	0.1110	67.19- 111.98	148.27
4.986	4.986	(0.000)	246108	0.09274	0.1055	19.67- 66.11	196.50
5.251	5.254	(-0.003)	59361	0.14314	0.2863	163.59- 272.65	47.40
6.093	6.091	(0.002)	145253	0.04713	0.09426	176.98- 294.97	115.98
Average of Peak Concentrations =				0.1453			
8 AROCLOR-1260				CAS #: 11096-82-5			
Compound Not Detected							
10 AROCLOR-1262				CAS #:			
Peaks not detected for Quant. or Qual. signal(s).							
12 AROCLOR-1268				CAS #:			
Peaks not detected for Quant. or Qual. signal(s).							
9 DCB				CAS #: 2051-24-3			
10.051	10.052	(-0.001)	3557014	0.09218	0.1844		

MM 4/17/02

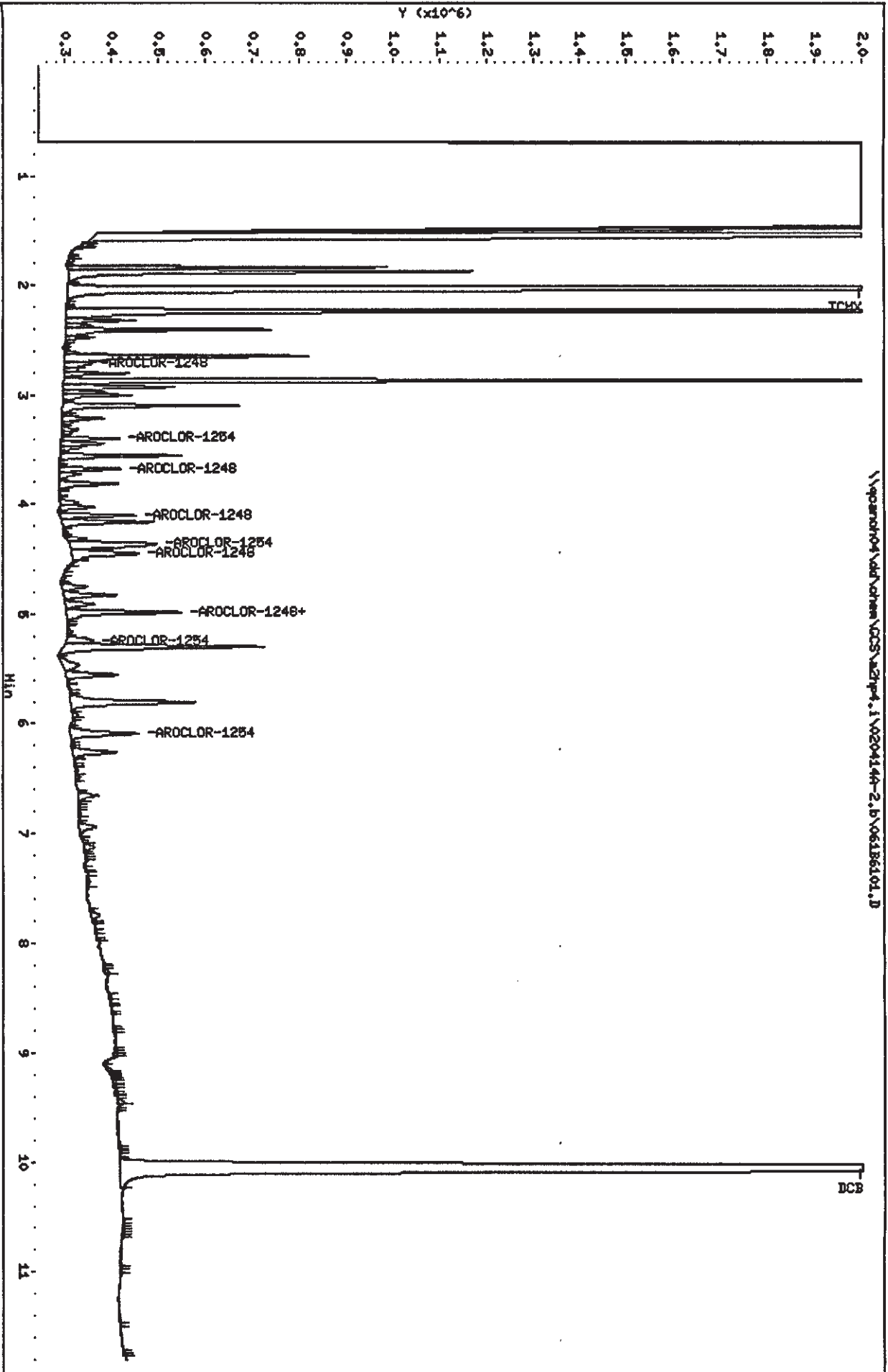
no pattern match

QC Flag Legend

M - Compound response manually integrated.

Data File: \\vopar04\vdh\chem\DCS\22hp4.1\0204144-2.b\06136101.D
 Date: 15-APR-2002 06:01
 Client ID: SM-00-040802-LH-162
 Sample Info: EKKOLA
 Purge Volume: 1000.0
 Column phase: restek pest cipi

Instrument: 22hp4.i
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SW-00-040802-IM-1623DISS

Dissolved GC Semivolatiles

Lot-Sample #...: A2D090104-006 Work Order #...: EXKK61AA Matrix.....: WS
 Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #...: 2100102
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol...: 2 mL
 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dissolved Aroclor-1016	ND	0.20	ug/L	0.054
Dissolved Aroclor 1221	ND	0.20	ug/L	0.11
Dissolved Aroclor 1232	ND	0.40	ug/L	0.056
Dissolved Aroclor 1242	ND	0.20	ug/L	0.075
Dissolved Aroclor 1248	ND	0.20	ug/L	0.061
Dissolved Aroclor 1254	ND	0.20	ug/L	0.082
Dissolved Aroclor 1260	ND	0.20	ug/L	0.044

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	88	(45 - 120)
Decachlorobiphenyl	29	(24 - 128)

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\094B9401.D
 Report Date: 15-Apr-2002 09:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\094B9401.D
 Lab Smp Id: EXKK61AA Client Smp ID: SW-00-040802-LM-162
 Inj Date : 13-APR-2002 15:43
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKK61AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

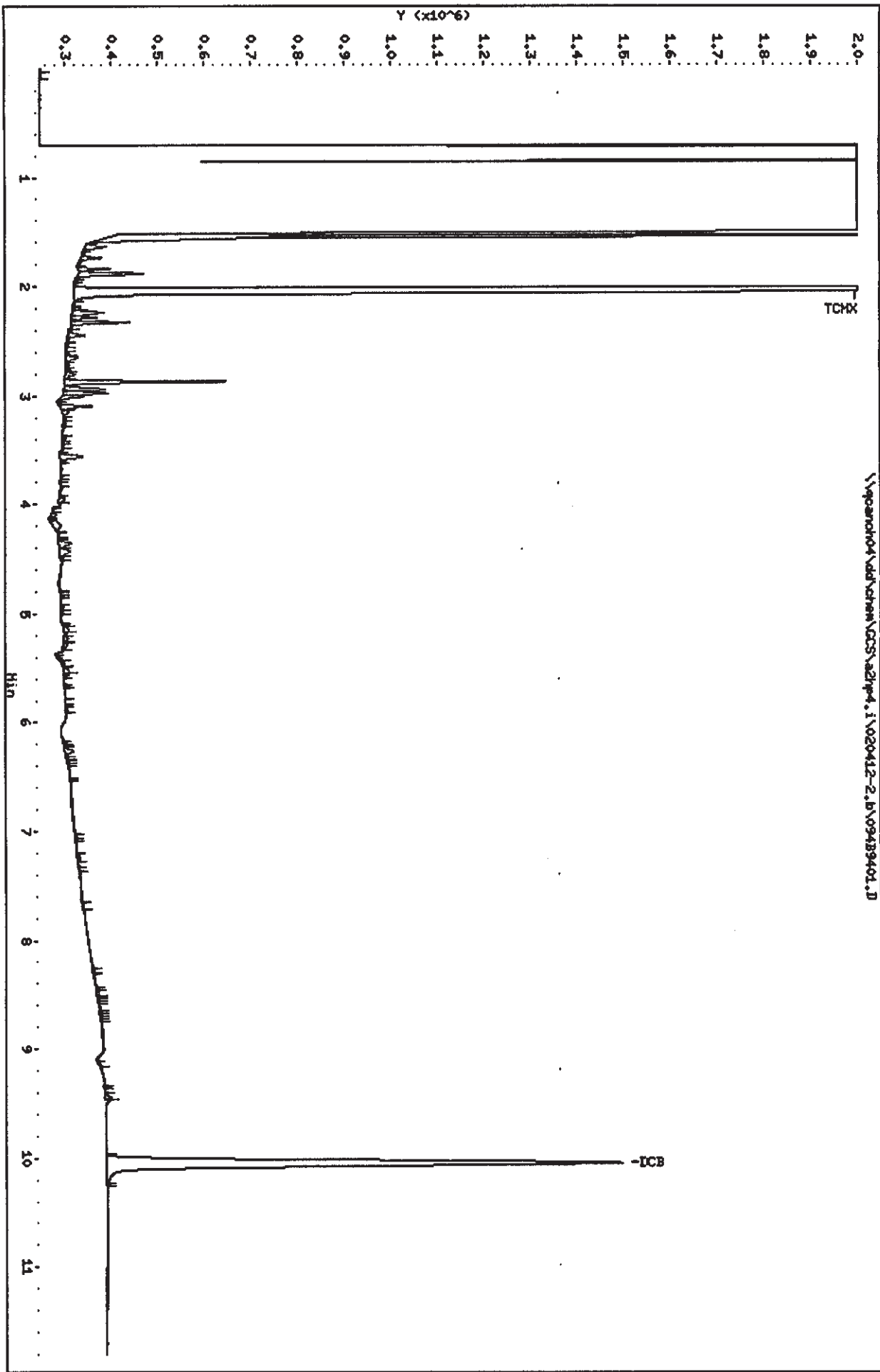
CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/L)	TARGET RANGE	RATIO
# 1	TCMX					CAS #: 877-09-8	
2.030	2.025	(0.005)	11194565	0.08841	0.1768		
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----
4						CAS #: 11141-16-5
Compound Not Detected						
5						CAS #: 53469-21-9
Compound Not Detected						
6						CAS #: 12672-29-6
Compound Not Detected						
7						CAS #: 11097-69-1
Compound Not Detected						
8						CAS #: 11096-82-5
Peaks not detected for Quant. or Qual. signal(s).						
10						CAS #:
Peaks not detected for Quant. or Qual. signal(s).						
12						CAS #:
Operator disabled compound identification.						
9	DCB					CAS #: 2051-24-3
10.049	10.047	(0.002)	1109181	0.02874	0.05749	

Data File: \\vapor\north\vd\chem\CCS\azip4.1\020412-2.b\094B9401.D
Date: 12-APR-2002 15:43
Client ID: SM-00-040802-LH-162
Sample Info: EXX61A0
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: azip4.1
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1625

GC Semivolatiles

Lot-Sample #...: A2D090104-007 Work Order #...: EXKK71AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:11 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30.15 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 24 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aroclor 1016	ND	43	ug/kg	7.0
Aroclor 1221	ND	43	ug/kg	25
Aroclor 1232	ND	43	ug/kg	14
Aroclor 1242	ND	43	ug/kg	24
Aroclor 1248	ND	43	ug/kg	6.0
Aroclor 1254	ND	43	ug/kg	26
Aroclor 1260	ND	43	ug/kg	9.7

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	69	(31 - 127)
Decachlorobiphenyl	73	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\029B2901.D
 Report Date: 17-Apr-2002 08:02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\029B2901.D
 Lab Smp Id: EXKK71AA Client Smp ID: S-00-040802-GS-1625
 Inj Date : 16-APR-2002 22:37
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKK71AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.150	initial volume

ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
..
\$ 1	TCMX				CAS #: 877-09-8	
2.028	2.027	(0.001)	1748367	0.01381	4.580	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			RESPONSE (ng)	ON-COL FINAL (ug/kg)		
4						
Compound Not Detected			CAS #: 11141-16-5			

5						
Compound Not Detected			CAS #: 53469-21-9			

6						
Compound Not Detected			CAS #: 12672-29-6			

7						
Compound Not Detected			CAS #: 11097-69-1			

8						
Compound Not Detected			CAS #: 11096-82-5			

10						
Compound Not Detected			CAS #:			

Peaks not detected for Quant. or Qual. signal(s).						

12						
Compound Not Detected			CAS #:			

Peaks not detected for Quant. or Qual. signal(s).						

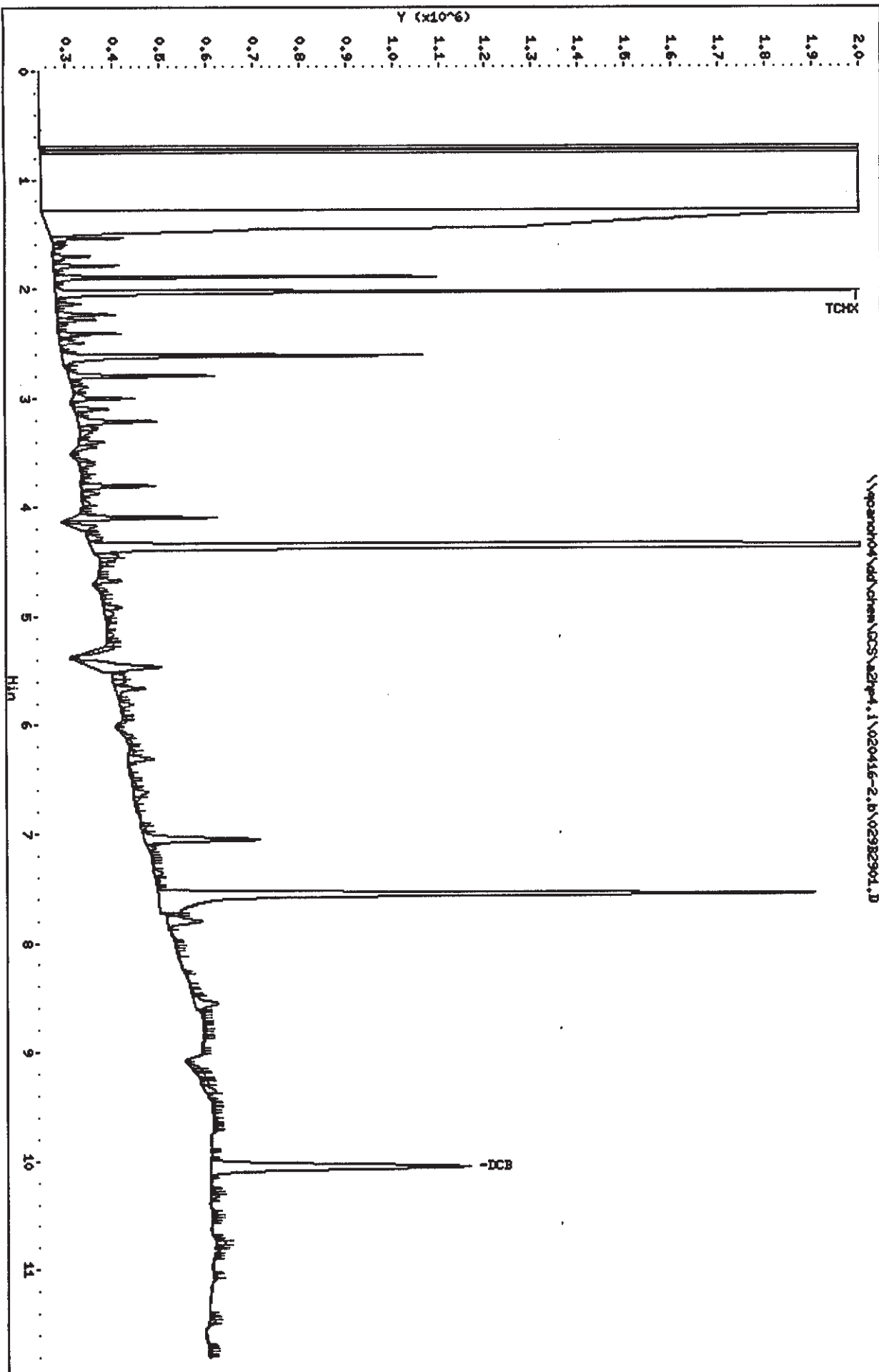
9	DCB					
10.054	10.055	(-0.001)	560374	0.01452	4.816	(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qpcard04\add\chem\DCS\ad2hp4.1\020416-2.b\02982901.D
Date: 16-Apr-2002 22:37
Client ID: S-00-040802-GS-1625
Sample Info: EKK7149
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: ad2hp4.1
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1624

GC Semivolatiles

Lot-Sample #...: A2D090104-008 Work Order #...: EXKK91AA Matrix.....: SO
 Date Sampled...: 04/08/02 14:04 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 37 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	52	ug/kg	8.4
Aroclor 1221	ND	52	ug/kg	30
Aroclor 1232	ND	52	ug/kg	17
Aroclor 1242	ND	52	ug/kg	29
Aroclor 1248	170	52	ug/kg	7.3
Aroclor 1254	ND	52	ug/kg	32
Aroclor 1260	34 J	52	ug/kg	12

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	102	(31 - 127)
Decachlorobiphenyl	103	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\030B3001.D
 Report Date: 17-Apr-2002 10:39

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\030B3001.D
 Lab Smp Id: EXKK91AA Client Smp ID: S-00-040802-GS-1624
 Inj Date : 16-APR-2002 22:53
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKK91AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
# 1	TCMX					CAS #: 877-09-8	
2.028	2.027	(0.001)		2580451	0.02038	6.793	
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
..
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.729	2.725	(0.004)	209638	0.16643	55.48	75.00- 125.00	100.00 (M)
3.679	3.678	(0.001)	839583	0.30153	100.5	168.62- 281.03	400.49
4.102	4.106	(-0.004)	1037032	0.37569	125.2	150.41- 250.69	494.68
4.445	4.443	(0.002)	909563	0.36394	121.3	132.50- 220.83	433.87
4.987	4.987	(0.000)	493770	0.35699	119.0	75.95- 126.59	235.53
Average of Peak Concentrations =				104.3			
7 AROCLOR-1254			CAS #: 11097-69-1				
3.401	3.398	(0.003)	673953	0.34851	116.2	75.00- 125.00	100.00 (M)
4.383	4.383	(0.000)	0			112.74- 187.89	0.00
4.987	4.986	(0.001)	493770	0.10581	35.27	162.87- 271.46	73.26
5.302	5.301	(0.001)	303352	0.10139	33.80	97.01- 161.68	45.01
6.095	6.094	(0.001)	271526	0.08810	29.37	103.61- 172.69	40.29
Average of Peak Concentrations =				53.66			
8 AROCLOR-1260			CAS #: 11096-82-5				
5.252	5.253	(-0.001)	224746	0.07548	25.16	75.00- 125.00	100.00 (M)
6.095	6.093	(0.002)	271526	0.08503	28.34	80.61- 134.35	120.81
6.703	6.705	(-0.002)	82688	0.03753	12.51	55.16- 91.93	36.79
7.128	7.127	(0.001)	264284	0.05496	18.32	123.64- 206.06	117.59
7.751	7.754	(-0.003)	185369	0.06881	22.94	69.47- 115.79	82.48
Average of Peak Concentrations =				21.45			
10 AROCLOR-1262			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
12 AROCLOR-1268			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
9 DCE			CAS #: 2051-24-3				
10.056	10.055	(0.001)	795571	0.02062	6.872		

MM 4/17/02

no
pattern
match

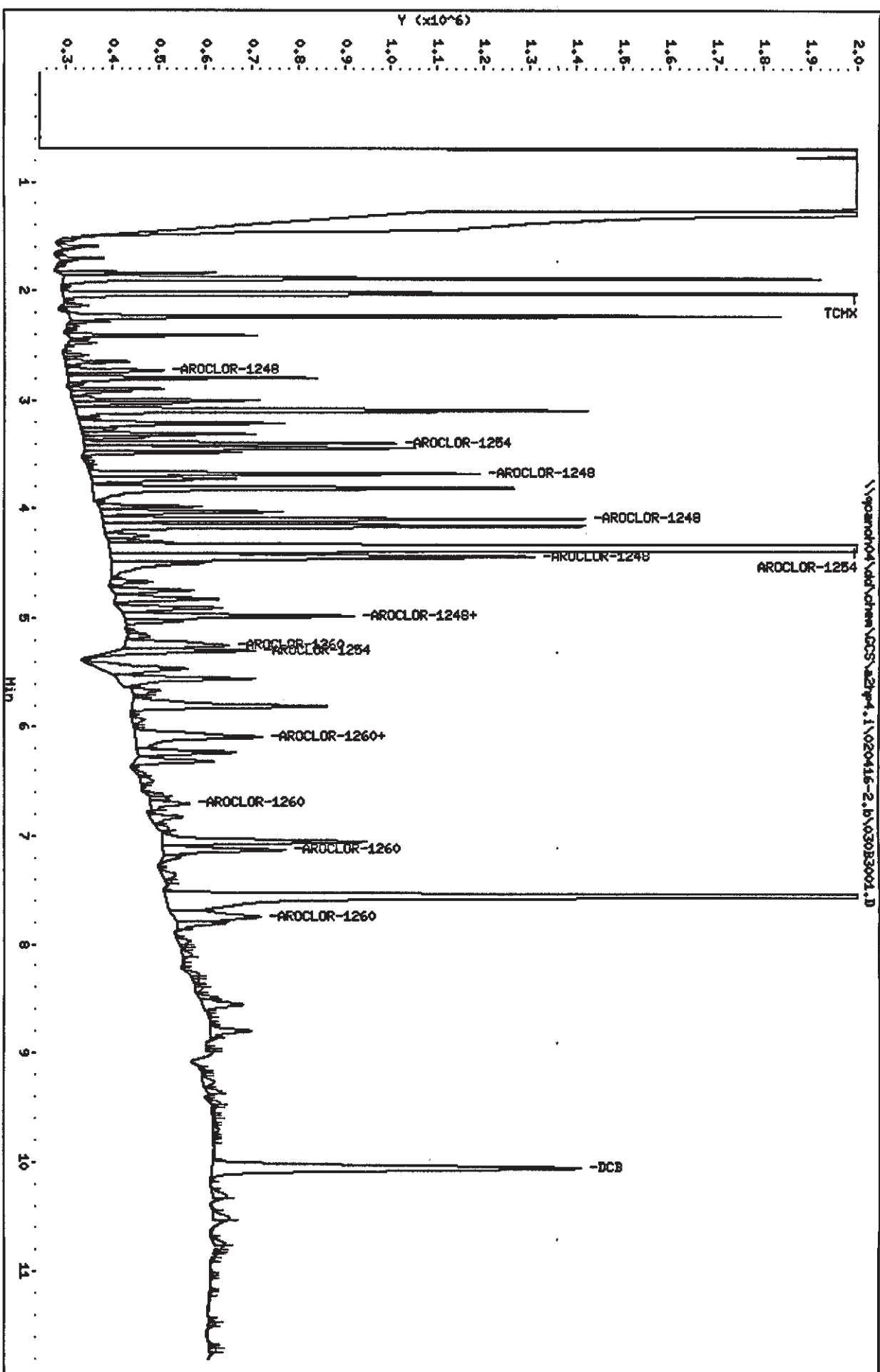
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\030B3001.D
Report Date: 17-Apr-2002 10:39

QC Flag Legend

M - Compound response manually integrated.

Data File: \\parr004\dd\chem\SCS\azip4.1\020416-2.b\030B3001.D
 Date: 16-APR-2002 22:53
 Client ID: S-00-040802-GS-1624
 Sample Info: EXX9100
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: azip4.1
 Operator: 1808
 Column diameter: 0.53





STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

15-MAR-2002 11:08	12-AR1660td	028B2801.D
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D

Report Date : 18-Mar-2002 07:54

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Cal Date : 15-Mar-2002 11:26 molm
 Curve Type : Average

Calibration File Names:

Level 1: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\023B2301.D
 Level 2: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\024B2401.D
 Level 3: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\025B2501.D
 Level 4: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\026B2601.D
 Level 5: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\027B2701.D

Compound	0.10000	0.20000	0.50000	1.000	2.000		
	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD
2 AROCLOR-1221 (1)	1281660	1285825	1173670	1250654	1415573	1281476	6.822
(2)	868560	851040	770402	807840	899033	839375	6.045
(3)	2852160	2788995	2527588	2630307	2936912	2747192	6.054
3 AROCLOR-1016 (1)	2171850	1840160	1778930	1801277	1670875	1852618	10.212
(2)	3162430	2753850	2690552	2694107	2495108	2759209	8.902
(3)	5474080	4756170	4864824	4946817	4836564	4975691	5.764
(4)	2995480	2552680	2554732	2638705	2531881	2654696	7.340
(5)	2011440	1739760	1756124	1845190	1817298	1833962	5.900
4 AROCLOR-1232 (1)	2534050	2365140	2023400	1962115	1976006	2172142	12.026
(2)	1450280	1354175	1180010	1129314	1155458	1253847	11.229
(3)	2358900	2200205	2001066	2056961	2090122	2141451	6.613
(4)	1315320	1234865	1079762	1091958	1126191	1169619	8.706
(5)	895230	814830	724808	733946	748592	783481	9.156
5 AROCLOR-1242 (1)	1842610	1692705	1484844	1453972	1548726	1604571	10.076
(2)	2578600	2377990	2078108	2042780	2141210	2243738	10.175
(3)	4462640	4064090	3707836	3750575	4079370	4012902	7.591
(4)	2433450	2206525	1977066	1993303	2191182	2160305	8.634
(5)	1844120	1661560	1492878	1514586	1633432	1629315	8.624
6 AROCLOR-1248 (1)	1504450	1266235	1245200	1137711	1144634	1259646	11.794
(2)	3264670	2721670	2764964	2555078	2615817	2784440	10.094
(3)	3154260	2729695	2726502	2554845	2636492	2760359	8.395
(4)	2853870	2437815	2440700	2344108	2419510	2499201	8.087
(5)	1612950	1381770	1341396	1281221	1298385	1383144	9.709
7 AROCLOR-1254 (1)	2053360	1913160	1747970	1803616	2150922	1933806	8.705
(2)	3481340	3271780	3002912	3134223	3846623	3347376	9.874
(3)	4687160	4391020	4246858	4465986	5542293	4666663	11.029
(4)	3034850	2884470	2656384	2807681	3576565	2991990	11.837
(5)	3224420	2841400	2779274	2810941	3753314	3081870	13.515

Report Date : 18-Mar-2002 07:54

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Cal Date : 15-Mar-2002 11:26 molm
 Curve Type : Average

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	RRF	% RSD
8 AROCLOR-1260 (1)	3349790	2863595	2908406	2916831	2849909	2977706	7.051
(2)	3528510	3072280	3132650	3111784	3122062	3193457	5.909
(3)	2477940	2109440	2159052	2140533	2129917	2203376	7.013
(4)	5302750	4545490	4679598	4753523	4760616	4808395	6.022
(5)	2979990	2598295	2632760	2639373	2618362	2693756	5.969
10 AROCLOR-1262 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
12 AROCLOR-1268 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
\$ 1 TCMX	134624200	122265200	123042400	130112900	123057530	126620446	4.339
\$ 9 DCB	43048200	37888000	37741720	37396920	36866480	38588264	6.541

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\003B0301.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\003B0301.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:10
 Operator : 1808
 Smp Info : 1232,,1,1
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

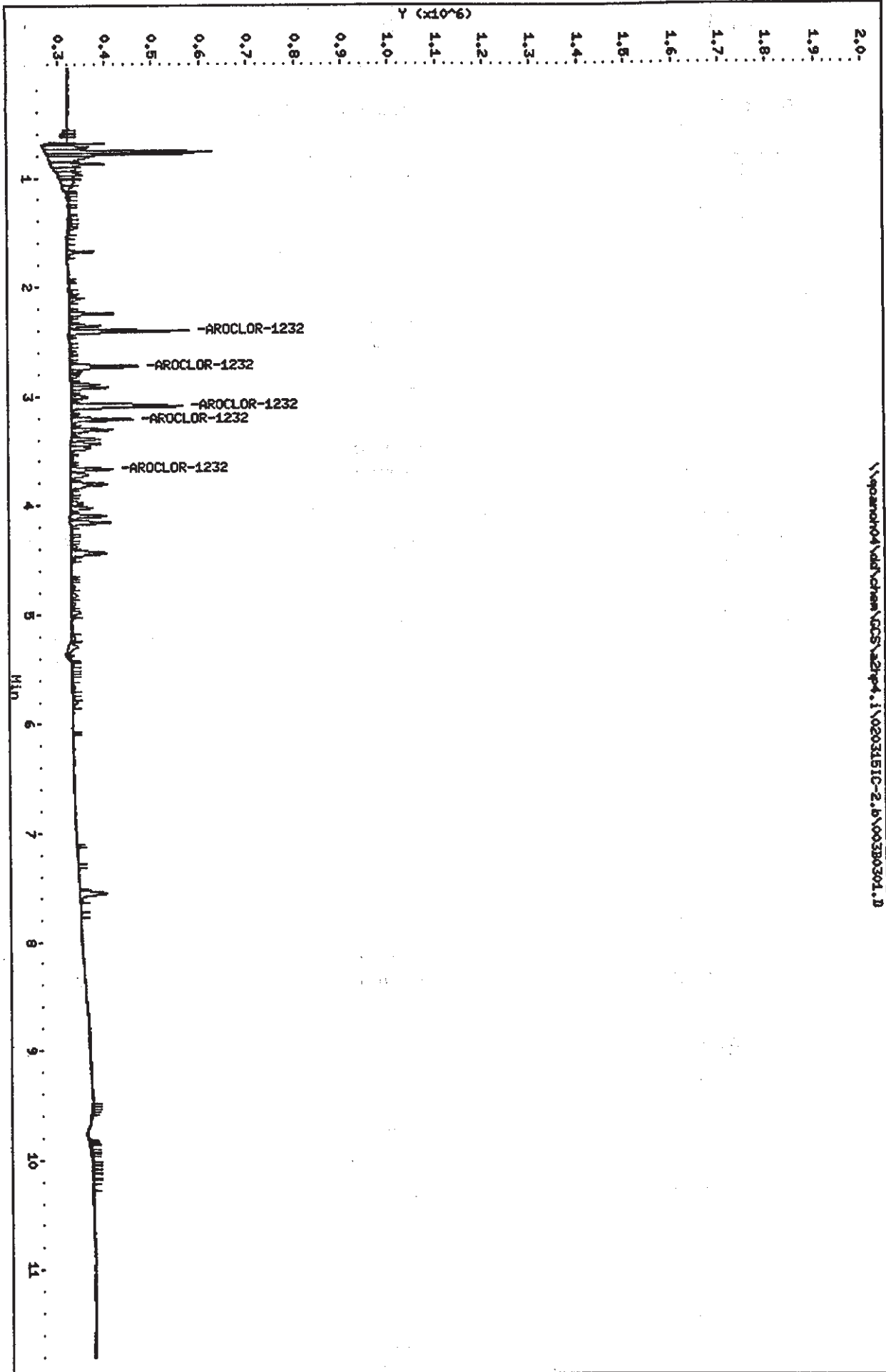
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.402	2.402	(0.000)	253405	0.10000	0.1271 75.00- 125.00	100.00
2.722	2.722	(0.000)	145028	0.10000	0.1297 43.74- 72.90	57.23
3.094	3.094	(0.000)	235890	0.10000	0.1215 74.17- 123.62	93.09
3.212	3.212	(-0.001)	131532	0.10000	0.1274 40.02- 66.70	51.91
3.672	3.671	(0.001)	89523	0.10000	0.1281 26.87- 44.78	35.33
Average of Peak Amounts =				0.127		

Data File: \\yapan04\vd\chem\GC5\2hp4.1\020315IC-2.b\00380301.D
Date: 15-NOV-2002 02:10
Client ID:
Sample Info: 1232,1,1
Column phase: restek pest c1p1

Instrument: a2hp4.1
Operator: 1809
Column diameter: 0.53

\\yapan04\vd\chem\GC5\2hp4.1\020315IC-2.b\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\004B0401.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\004B0401.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:27
 Operator : 1808
 Smp Info : 1232,,1,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
--	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.400	2.402	(-0.002)	473028	0.20000	0.2293 75.00- 125.00	100.00
2.721	2.722	(-0.001)	270835	0.20000	0.2321 43.74- 72.90	57.26
3.092	3.094	(-0.002)	440041	0.20000	0.2195 74.17- 123.62	93.03
3.211	3.213	(-0.002)	246973	0.20000	0.2294 40.02- 66.70	52.21
3.670	3.671	(-0.001)	162966	0.20000	0.2245 26.87- 44.78	34.45
Average of Peak Amounts =				0.227		

Data File: \\vepar04\dd\chem\GC5\azip4.1\020315IC-2.b\004B0401.D

Date: 10-16-2002 02:27

Client ID:

Sample Info: 1232,1,2

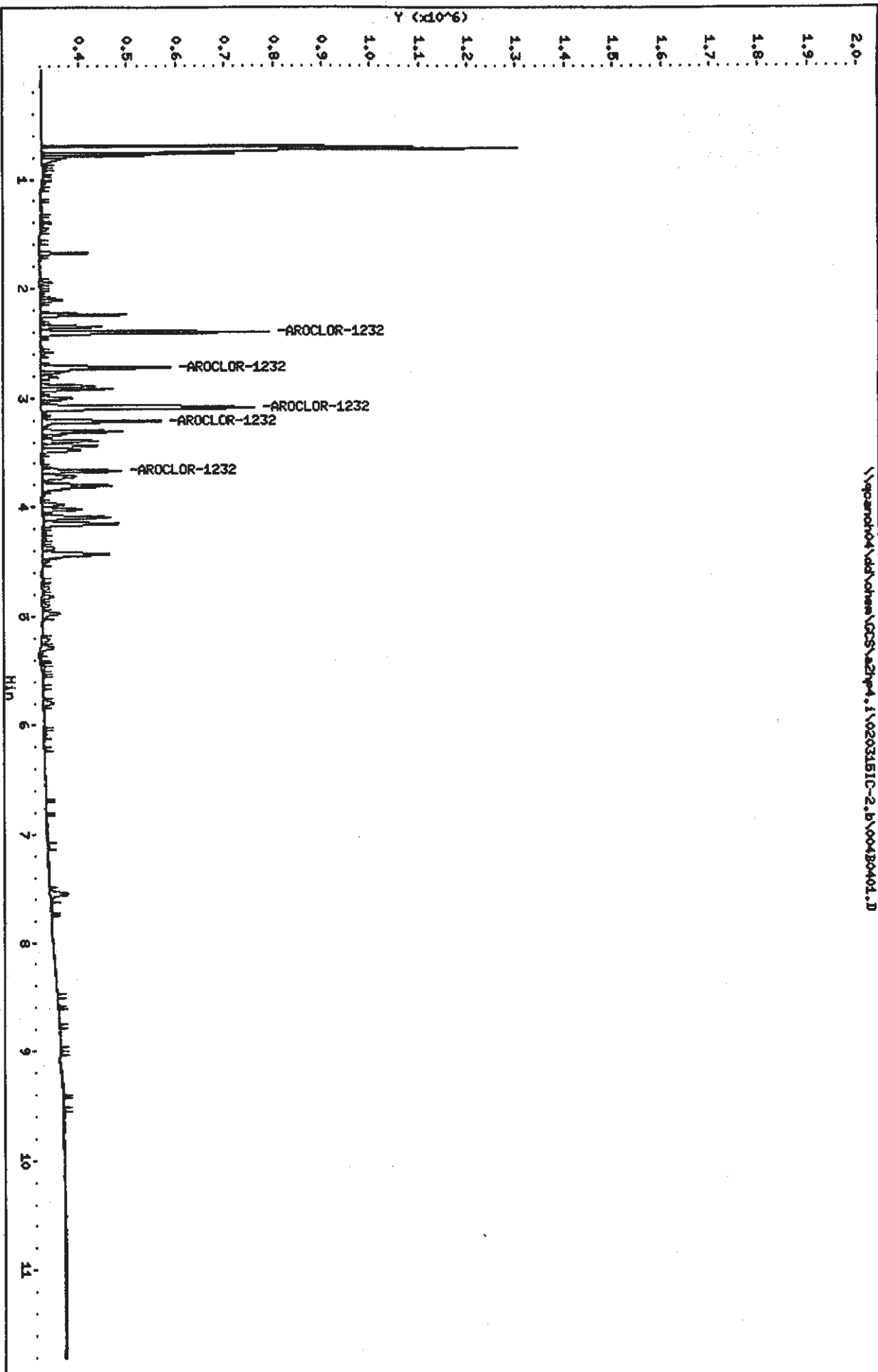
Column phase: restek past o/p1

Instrument: azip4.1

Operator: 1808

Column diameter: 0.53

\\vepar04\dd\chem\GC5\azip4.1\020315IC-2.b\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\005B0501.D
 Report Date: 18-Mar-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\005B0501.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 02:43
 Operator : 1808
 Smp Info : 1232,,1,3
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.401	2.402	(-0.001)	1011700	0.50000	0.4918 75.00- 125.00	100.00
2.721	2.722	(-0.001)	590005	0.50000	0.5009 43.74- 72.90	58.32
3.093	3.094	(-0.001)	1000533	0.50000	0.4964 74.17- 123.62	98.90
3.212	3.213	(-0.001)	539881	0.50000	0.4970 40.02- 66.70	53.36
3.670	3.671	(-0.001)	362404	0.50000	0.4947 26.87- 44.78	35.82
Average of Peak Amounts =			0.496			

Data File: \\qamandh\dd\chem\GCS\2hp4.1\020315IC-2.b\006B0501.D

Date: 15-MAR-2002 02:43

Client ID:

Sample Info: 1232, 1, 3

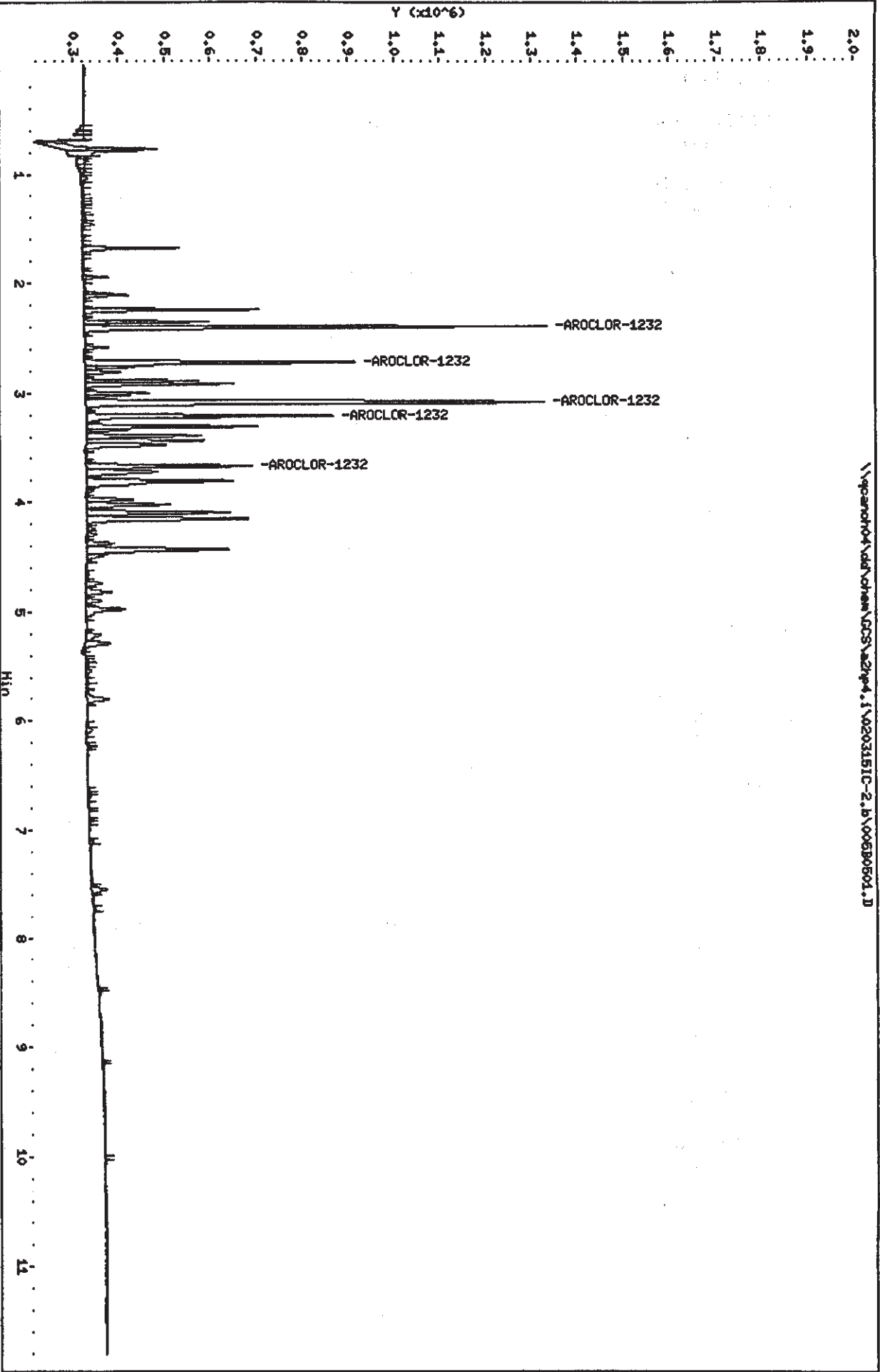
Column phase: restek pest c1p1

Instrument: 2hp4.1

Operator: 1808

Column diameter: 0.53

\\qamandh\dd\chem\GCS\2hp4.1\020315IC-2.b\006B0501.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\006B0601.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\006B0601.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 03:00
 Operator : 1808
 Smp Info : 1232,,1,4
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	
4 AROCLOR-1232				CAS #: 11141-16-5			
2.401	2.402	(-0.001)	1962115	1.00000	0.9352	75.00- 125.00	100.00
2.722	2.722	(0.000)	1129314	1.00000	0.9366	43.74- 72.90	57.56
3.093	3.094	(-0.001)	2056961	1.00000	0.9939	74.17- 123.62	104.83
3.212	3.213	(-0.001)	1091958	1.00000	0.9757	40.02- 66.70	55.65
3.671	3.671	(0.000)	733946	1.00000	0.9737	26.87- 44.78	37.41
Average of Peak Amounts =					0.963		

Data File: \\qanorh04\adt\chem\CCS\azhp4.1\020315IC-2.6\00680601.D

Date: 15-MAR-2002 03:00

Client ID:

Sample Info: 1232,1,4

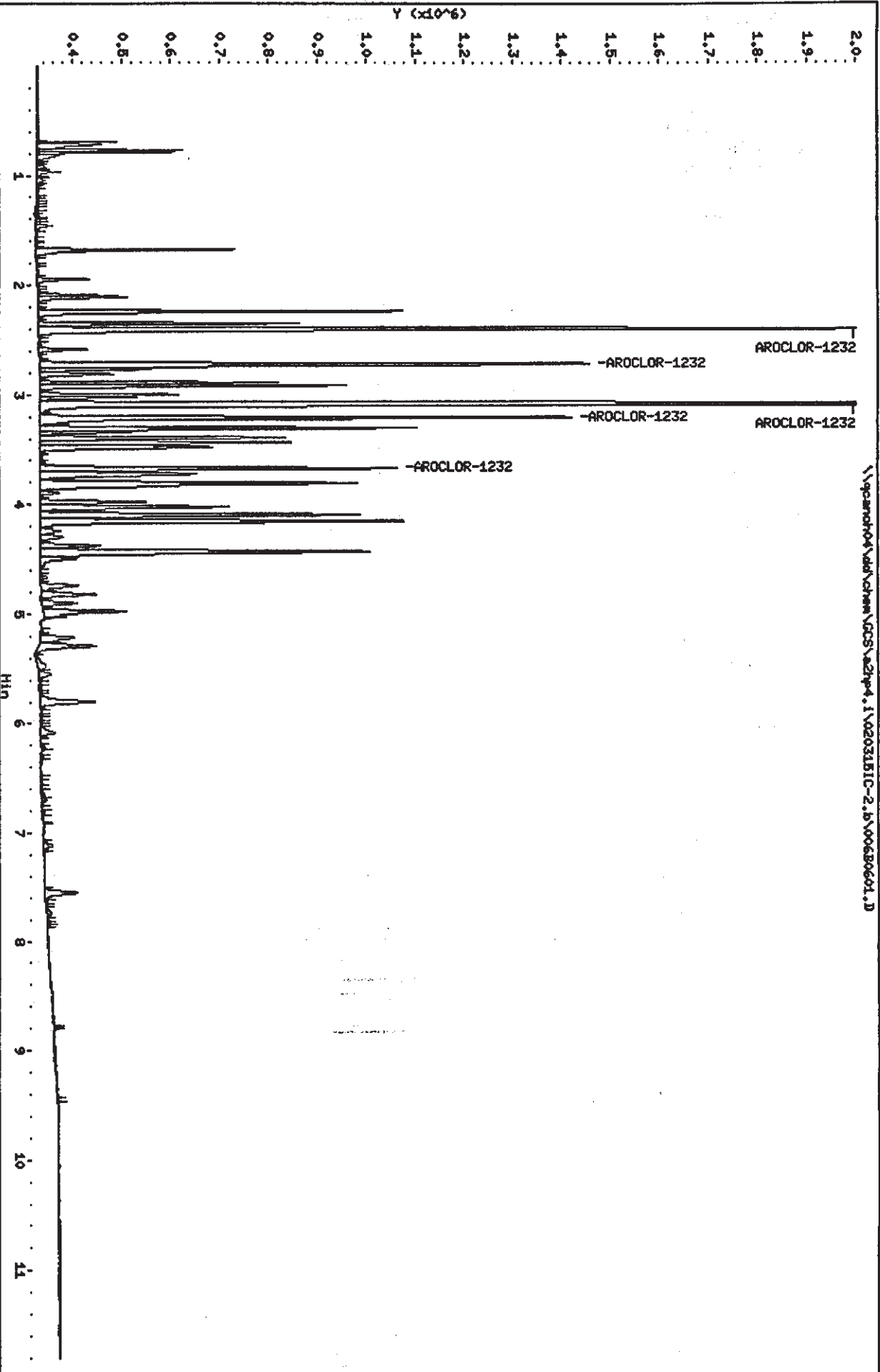
Column phases: restek pest o/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qanorh04\adt\chem\CCS\azhp4.1\020315IC-2.6\00680601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\007B0701.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\007B0701.D
 Lab Smp Id: 1232
 Inj Date : 15-MAR-2002 03:16
 Operator : 1808
 Smp Info : 1232,,1,5
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE (	CAL-AMT (	ON-COL (	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----		
4 AROCLOR-1232				CAS #: 11141-16-5					
2.402	2.402	(0.000)	3952011	2.00000	1.819	75.00- 125.00	100.00		
2.722	2.722	(0.000)	2310915	2.00000	1.843	43.74- 72.90	58.47		
3.094	3.094	(0.000)	4180244	2.00000	1.952	74.17- 123.62	105.78		
3.213	3.213	(0.000)	2252381	2.00000	1.926	40.02- 66.70	56.99		
3.671	3.671	(0.000)	1497184	2.00000	1.911	26.87- 44.78	37.88		
Average of Peak Amounts =					1.89				

Date File: \\epanorh04\dd\chem\GC5\adhp4.1\020315IC-2.b\00780701.D

Date: 15-MAR-2002 03:16

Client ID:

Sample Info: 1232, 1, 5

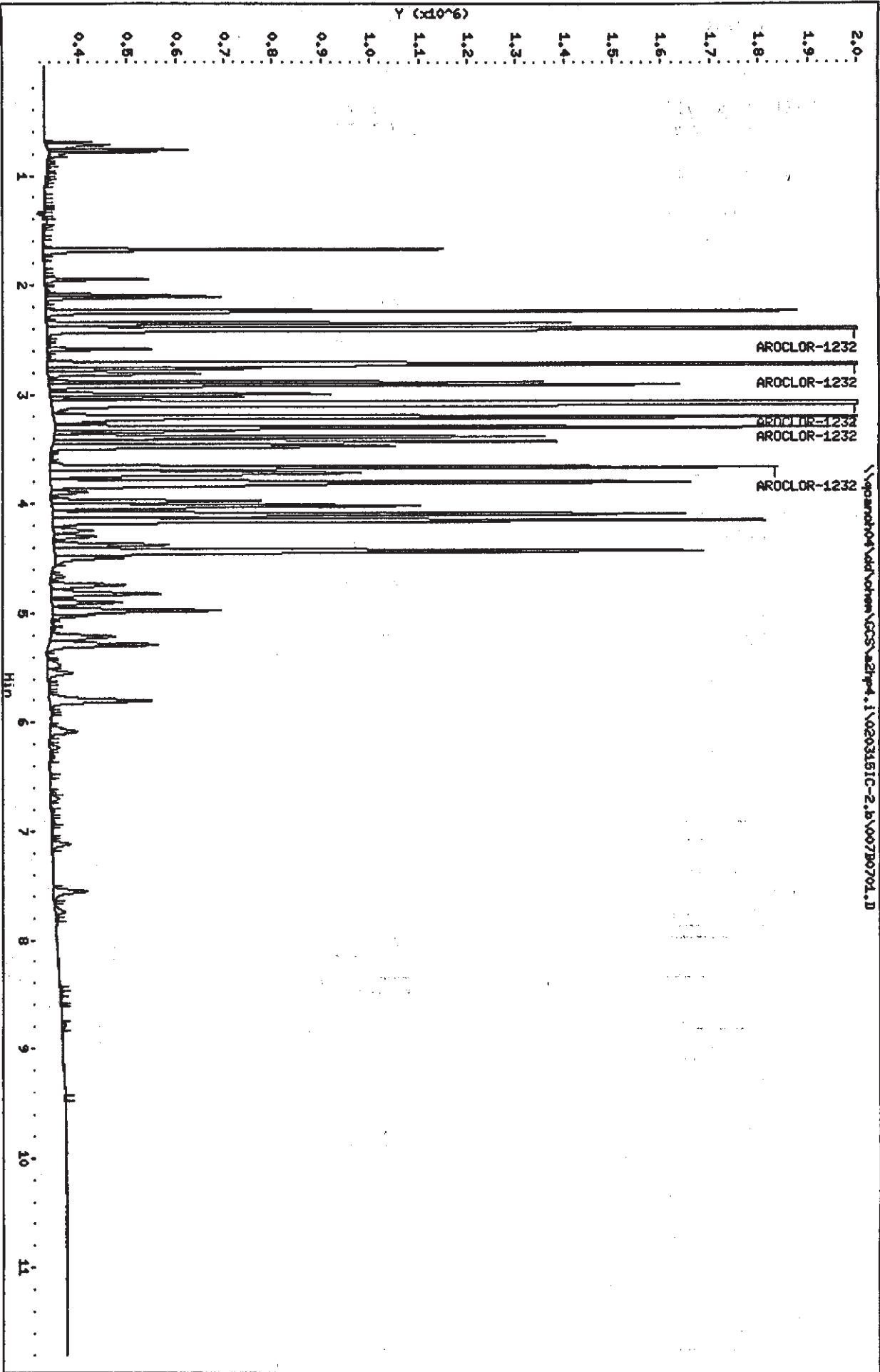
Column phase: restek pest 01p1

Instrument: adhp4.1

Operator: 1808

Column diameter: 0.53

\\epanorh04\dd\chem\GC5\adhp4.1\020315IC-2.b\00780701.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\008B0801.D
Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\008B0801.D
Lab Smp Id: 1242
Inj Date : 15-MAR-2002 03:33
Operator : 1808
Smp Info : 1242,,1,1
Misc Info : 2-AR1242.sub
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
Meth Date : 18-Mar-2002 07:54 molm
Cal Date : 02-MAR-2002 11:16
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: QCANOH05
Inst ID: a2hp4.i
Quant Type: ESTD
Cal File: 023B2301.D
Calibration Sample, Level: 1
Compound Sublist: 2-AR1242.sub
Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
---	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.401	2.401	(0.000)	184261 0.10000	0.1293	75.00- 125.00	100.00
2.722	2.721	(0.001)	257860 0.10000	0.1302	104.97- 174.94	139.94
3.093	3.093	(0.000)	446264 0.10000	0.1249	187.28- 312.14	242.19
3.212	3.211	(0.001)	243345 0.10000	0.1302	99.86- 166.44	132.07
3.671	3.671	(0.000)	184412 0.10000	0.1286	75.41- 125.68	100.00
Average of Peak Amounts =			0.129			

Data File: \\qpcand04\dd\chem\GCS\A27pd4.1\020315IC-2.B\008B0901.D

Date: 15-MAR-2002 03:33

Client ID:

Sample Info: 1242,1,1

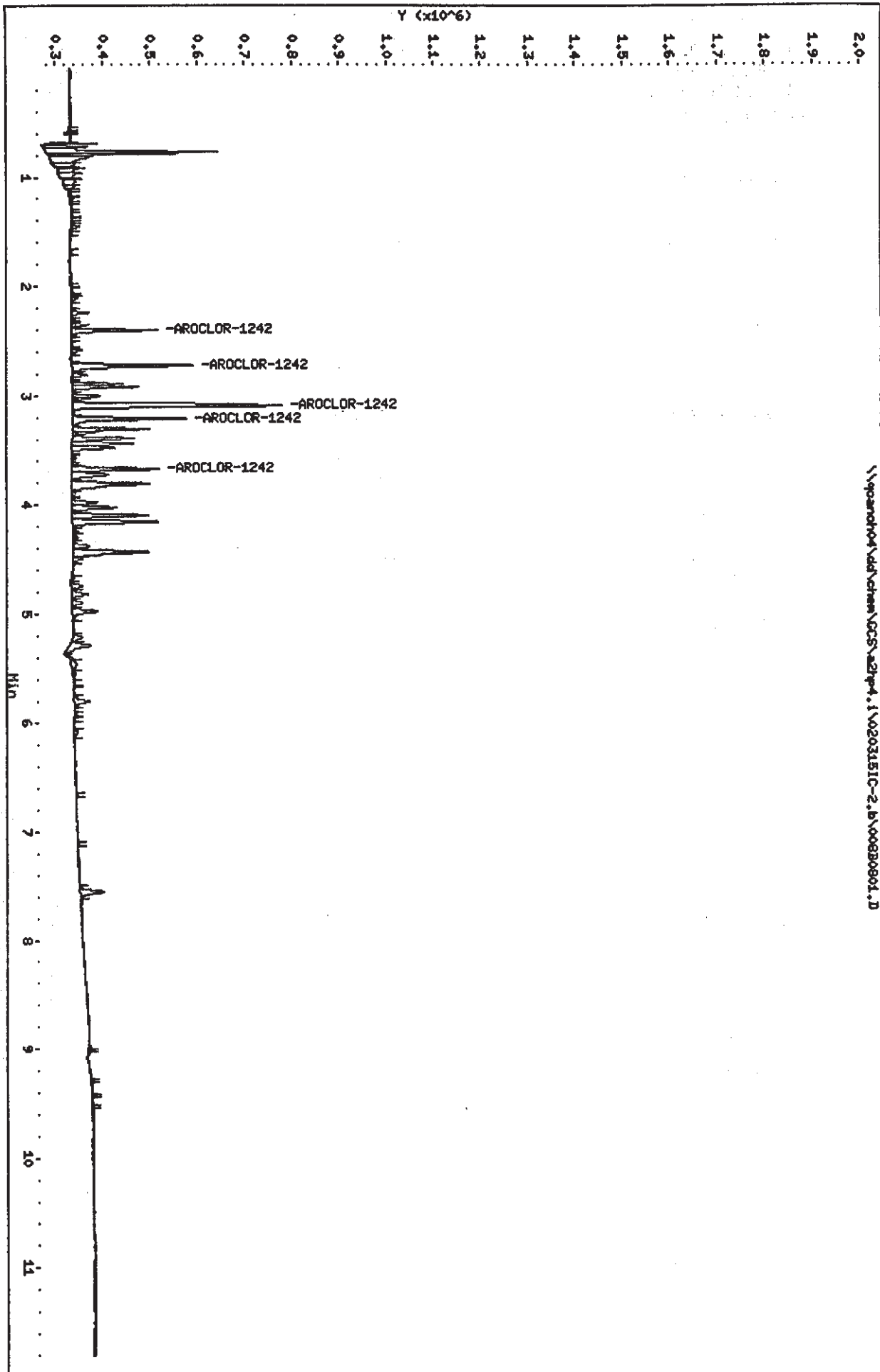
Column phase: restek pest o1p1

Instrument: A27pd4.1

Operator: 1808

Column diameter: 0.53

\\qpcand04\dd\chem\GCS\A27pd4.1\020315IC-2.B\008B0901.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\009B0901.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 03:49
 Operator : 1808
 Smp Info : 1242,,1,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242						CAS #: 53469-21-9	
2.401	2.401	(0.000)	338541	0.20000	0.2294	75.00- 125.00	100.00
2.722	2.721	(0.001)	475598	0.20000	0.2312	104.97- 174.94	140.48
3.094	3.093	(0.001)	812818	0.20000	0.2204	187.28- 312.14	240.09
3.212	3.211	(0.001)	441305	0.20000	0.2273	99.86- 166.44	130.35
3.671	3.671	(0.000)	332312	0.20000	0.2244	75.41- 125.68	98.16
Average of Peak Amounts =				0.227			

Data File: \\parrnet04\ddi\chem\GC5\27p4.1\020315IC-2.B\009B0901.D
Date: 15-MAR-2002 03:49

Client ID:

Sample Info: 1242,1,2

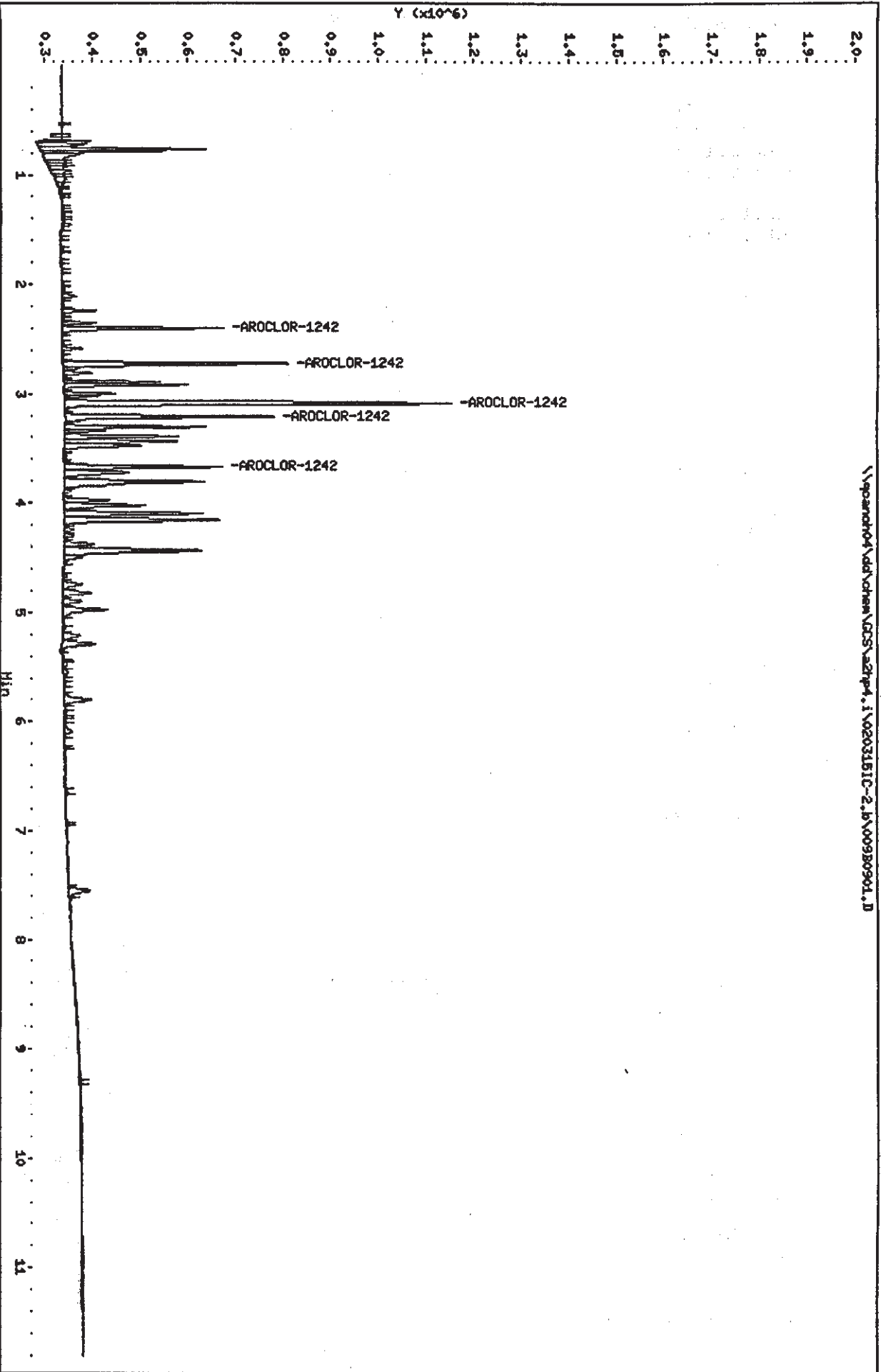
Column phase: restek past o1p1

Instrument: 27p4.1

Operator: 1908

Column diameter: 0.53

\\parrnet04\ddi\chem\GC5\27p4.1\020315IC-2.B\009B0901.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\010B1001.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\010B1001.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 04:06
 Operator : 1808
 Smp Info : 1242,,1,3
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

RT		EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	CON-COL (ng)	TARGET RANGE	RATIO
5 AROCLOR-1242 CAS #: 53469-21-9								
2.402	2.401	(0.001)		742422	0.50000	0.4902	75.00- 125.00	100.00
2.723	2.721	(0.002)		1039054	0.50000	0.4934	104.97- 174.94	139.95
3.095	3.093	(0.002)		1853918	0.50000	0.4952	187.28- 312.14	249.71
3.213	3.211	(0.002)		988533	0.50000	0.4962	99.86- 166.44	133.15
3.671	3.671	(0.000)		746439	0.50000	0.4936	75.41- 125.68	100.54
Average of Peak Amounts =					0.494			

Data File: \\gpcandh04\dd\chrom\GCSS\adhp4.1\020315IC-2.B\01081001.D

Date: 15-APR-2002 04:06

Client ID:

Sample Info: 1242, 1, 3

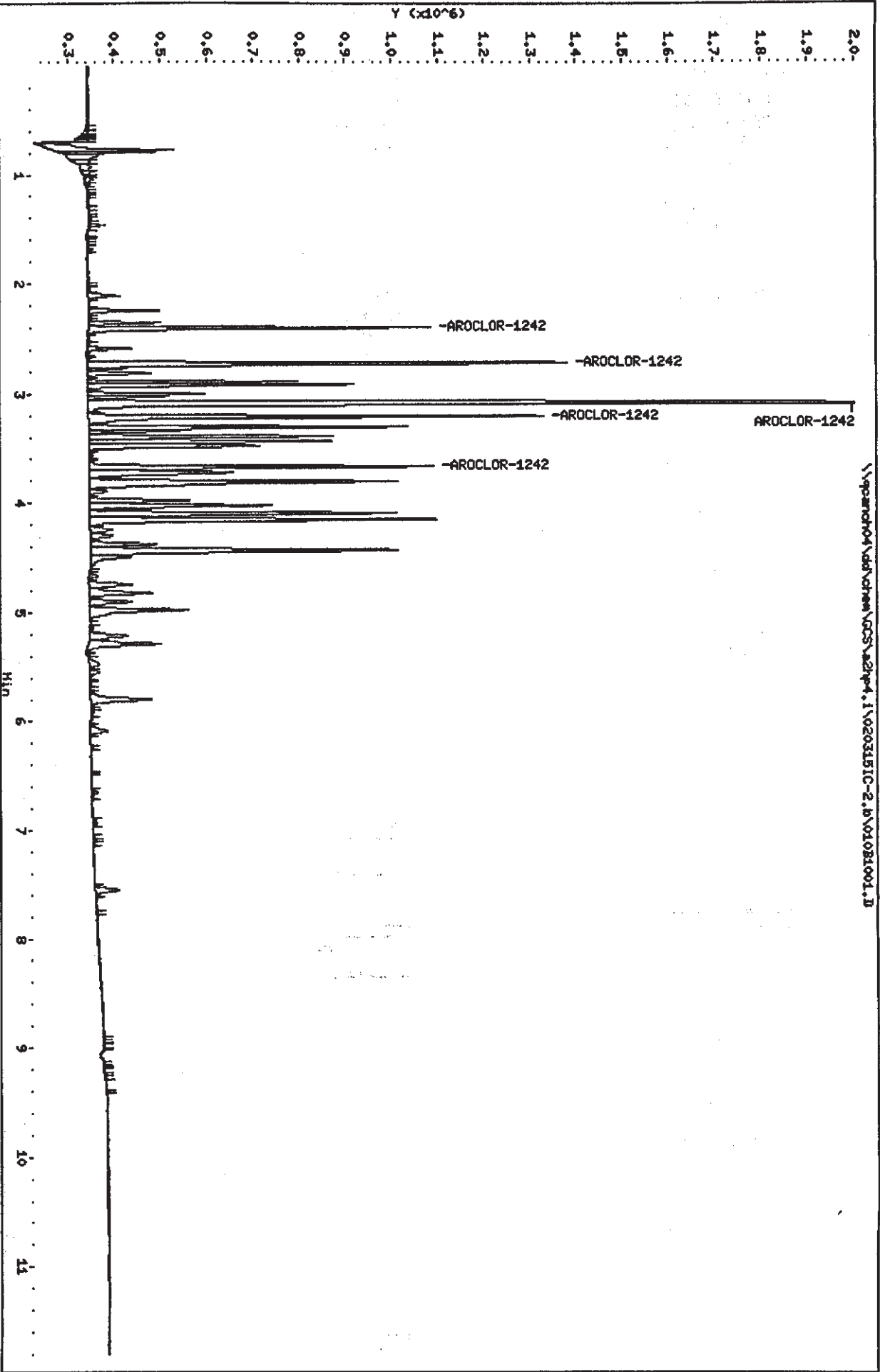
Column phase: restek pest c1p1

Instrument: adhp4.1

Operator: 1808

Column diameter: 0.53

\\gpcandh04\dd\chrom\GCSS\adhp4.1\020315IC-2.B\01081001.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\011B1101.D
 Report Date: 18-Mar-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\011B1101.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 04:22
 Operator : 1808
 Smp Info : 1242,,1,4
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
5 AROCLOR-1242			CAS #: 53469-21-9			
2.403	2.401	(0.002)	1453972	1.00000	0.9394 75.00- 125.00	100.00
2.724	2.721	(0.003)	2042780	1.00000	0.9454 104.97- 174.94	140.50
3.095	3.093	(0.002)	3750575	1.00000	0.9765 187.28- 312.14	257.95
3.214	3.211	(0.003)	1993303	1.00000	0.9690 99.86- 166.44	137.09
3.673	3.671	(0.002)	1514586	1.00000	0.9733 75.41- 125.68	104.17
Average of Peak Amounts =			0.961			

Data File: \\qpcanor04\vdh\chem\GC5\adhp4.1\020315IC-2.b\01181101.D

Date: 15-MAR-2002 04:22

Client ID:

Sample Info: 1242, 1, 4

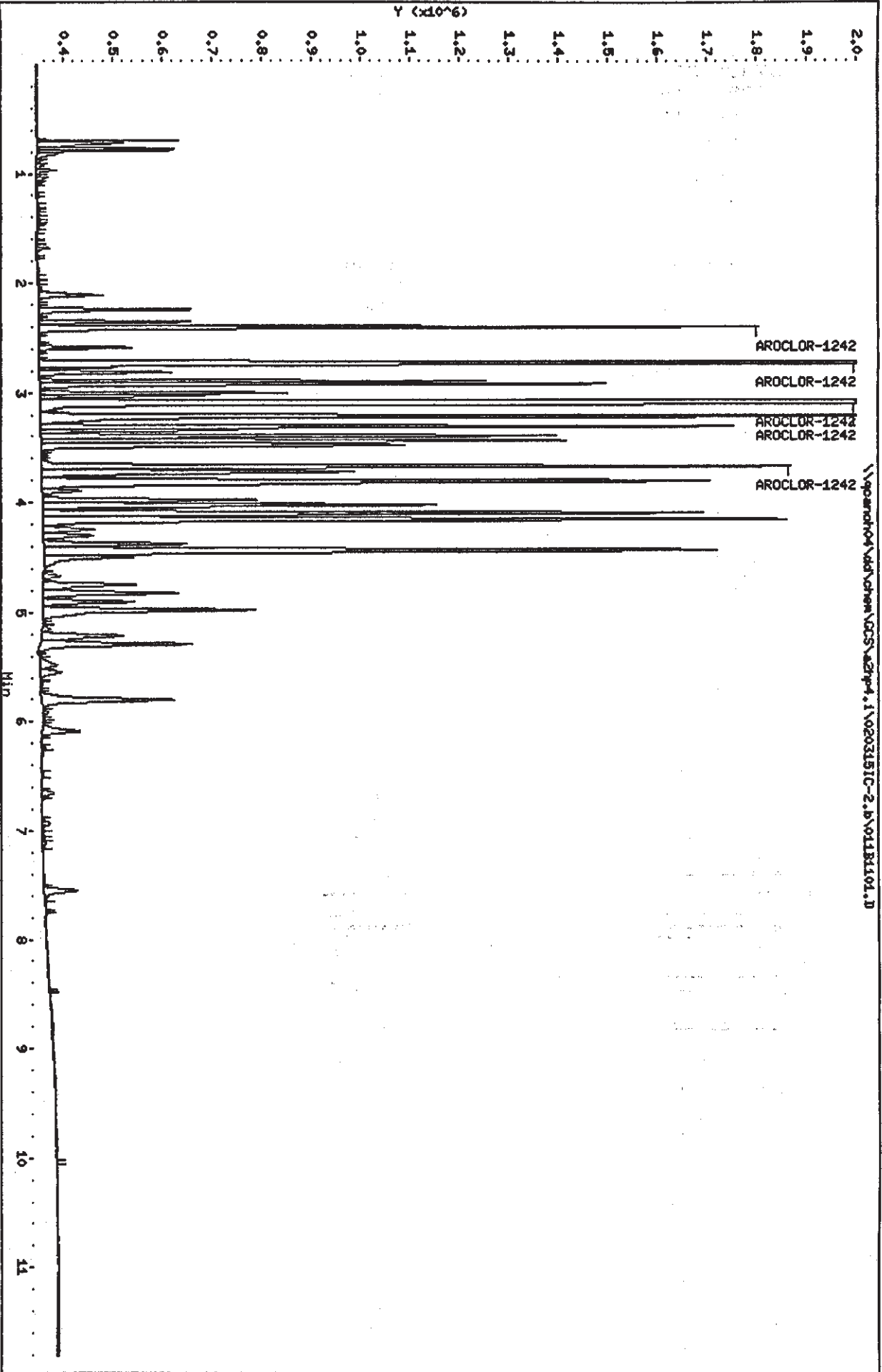
Column phase: restek pest c1p1

Instrument: adhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcanor04\vdh\chem\GC5\adhp4.1\020315IC-2.b\01181101.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\012B1201.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\012B1201.D
 Lab Smp Id: 1242
 Inj Date : 15-MAR-2002 06:43
 Operator : 1808
 Smp Info : 1242,,1,5
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL	TARGET RANGE	RATIO
..
5 AROCLOR-1242				CAS #: 53469-21-9			
2.401	2.401	(0.000)	3097451	2.00000	1.930	75.00- 125.00	100.00
2.721	2.721	(0.000)	4282419	2.00000	1.909	104.97- 174.94	138.26
3.093	3.093	(0.000)	8158740	2.00000	2.033	187.28- 312.14	263.40
3.211	3.211	(0.000)	4382364	2.00000	2.028	99.86- 166.44	141.48
3.671	3.671	(0.000)	3266863	2.00000	2.005	75.41- 125.68	105.47
Average of Peak Amounts =				1.98			

Data File: \\qpcan04\dat\chem\GC5\asthp4.1\020315IC-2.b\01281201.D
Date : 15-Mar-2002 06:43

Client ID:

Sample Info: 1242,1,5

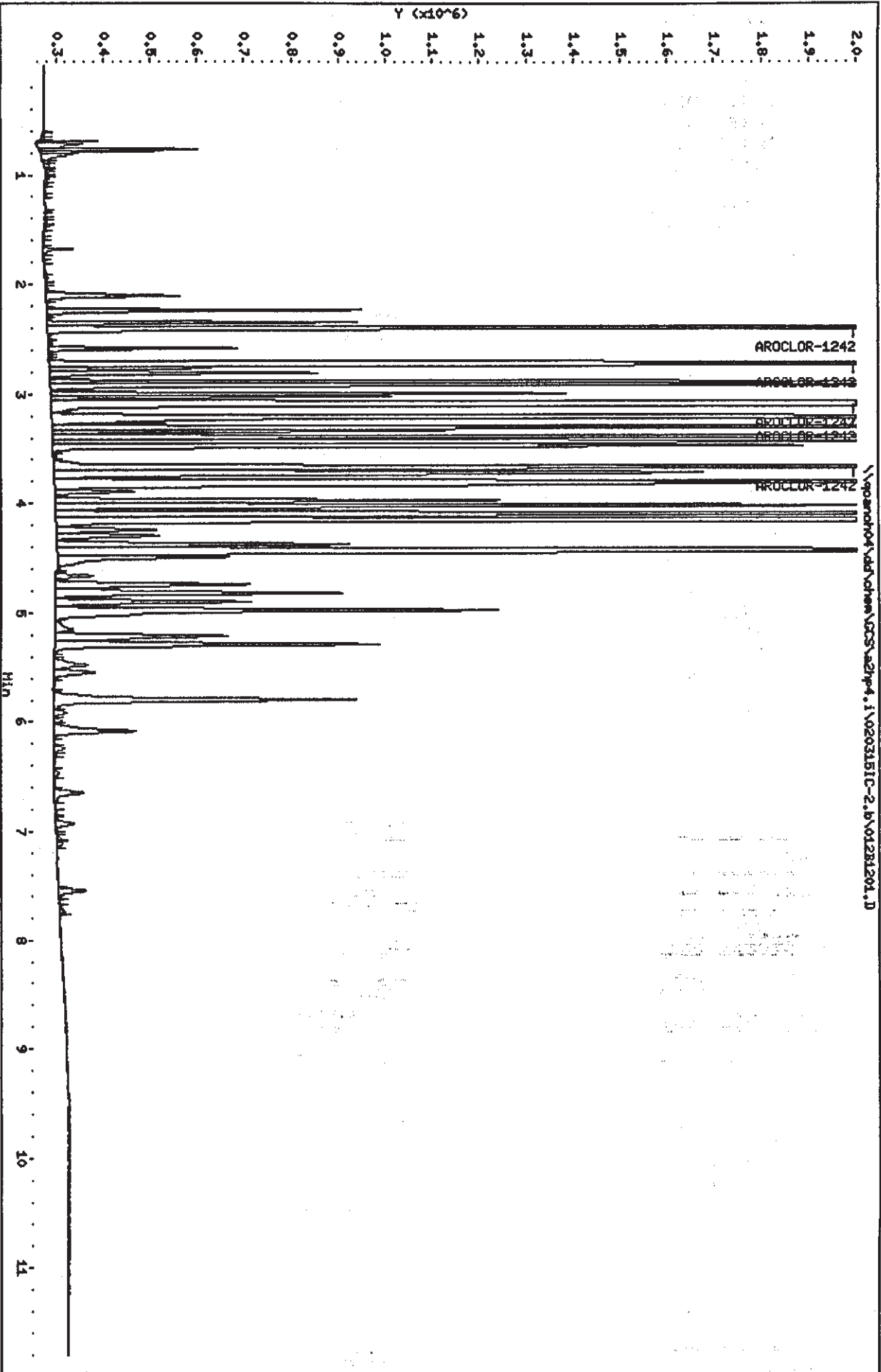
Column phase: restek pest c1p1

Instrument: asthp4.1

Operator: 1808

Column diameter: 0.63

\\qpcan04\dat\chem\GC5\asthp4.1\020315IC-2.b\01281201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\013B1301.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\013B1301.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:00
 Operator : 1808
 Smp Info : 1248,,1,1
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO		
--	-----	-----	-----	-----	-----	-----	-----	-----	
6 AROCLOR-1248									
CAS #: 12672-29-6									
2.720	2.722	(-0.002)		150445	0.10000	0.1394 75.00- 125.00	100.00		
3.669	3.671	(-0.002)		326467	0.10000	0.1343 166.54- 277.56	217.00		
4.094	4.098	(-0.004)		315426	0.10000	0.1304 164.22- 273.70	209.66		
4.431	4.433	(-0.002)		285387	0.10000	0.1317 147.01- 245.01	189.70		
4.974	4.977	(-0.003)		161295	0.10000	0.1363 80.79- 134.66	107.21		
Average of Peak Amounts =						0.134			

Data File: \\ppanorh04\vd\chem\GC5\ad2hp4.1\020315IC-2.b\013B1301.D

Date: 15-APR-2002 07:00

Client ID:

Sample Info: 1248,1,1

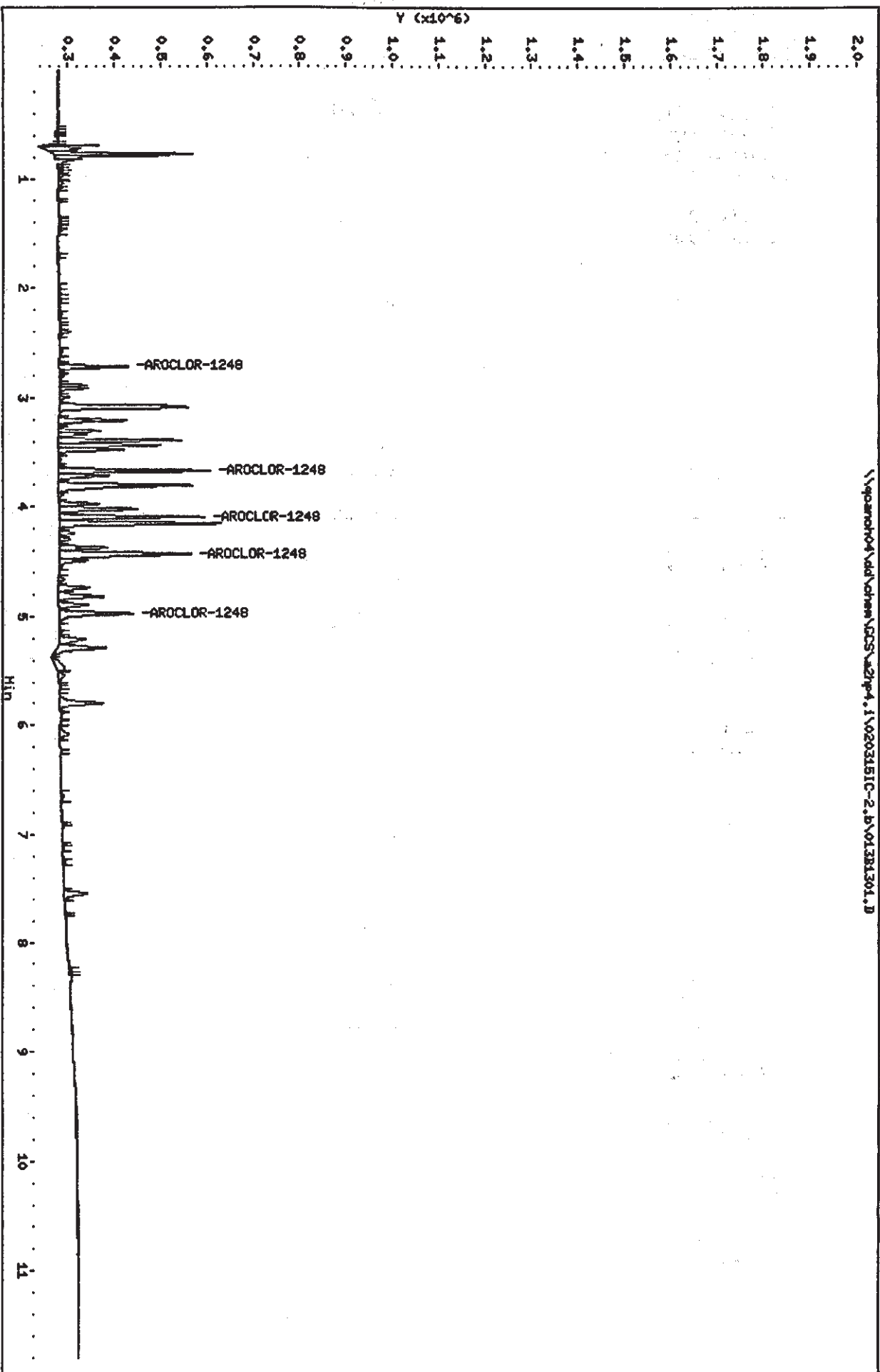
Column phase: restek pest c1p1

\\ppanorh04\vd\chem\GC5\ad2hp4.1\020315IC-2.b\013B1301.D

Instrument: ad2hp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\014B1401.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\014B1401.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:16
 Operator : 1808
 Smp Info : 1248,,1,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

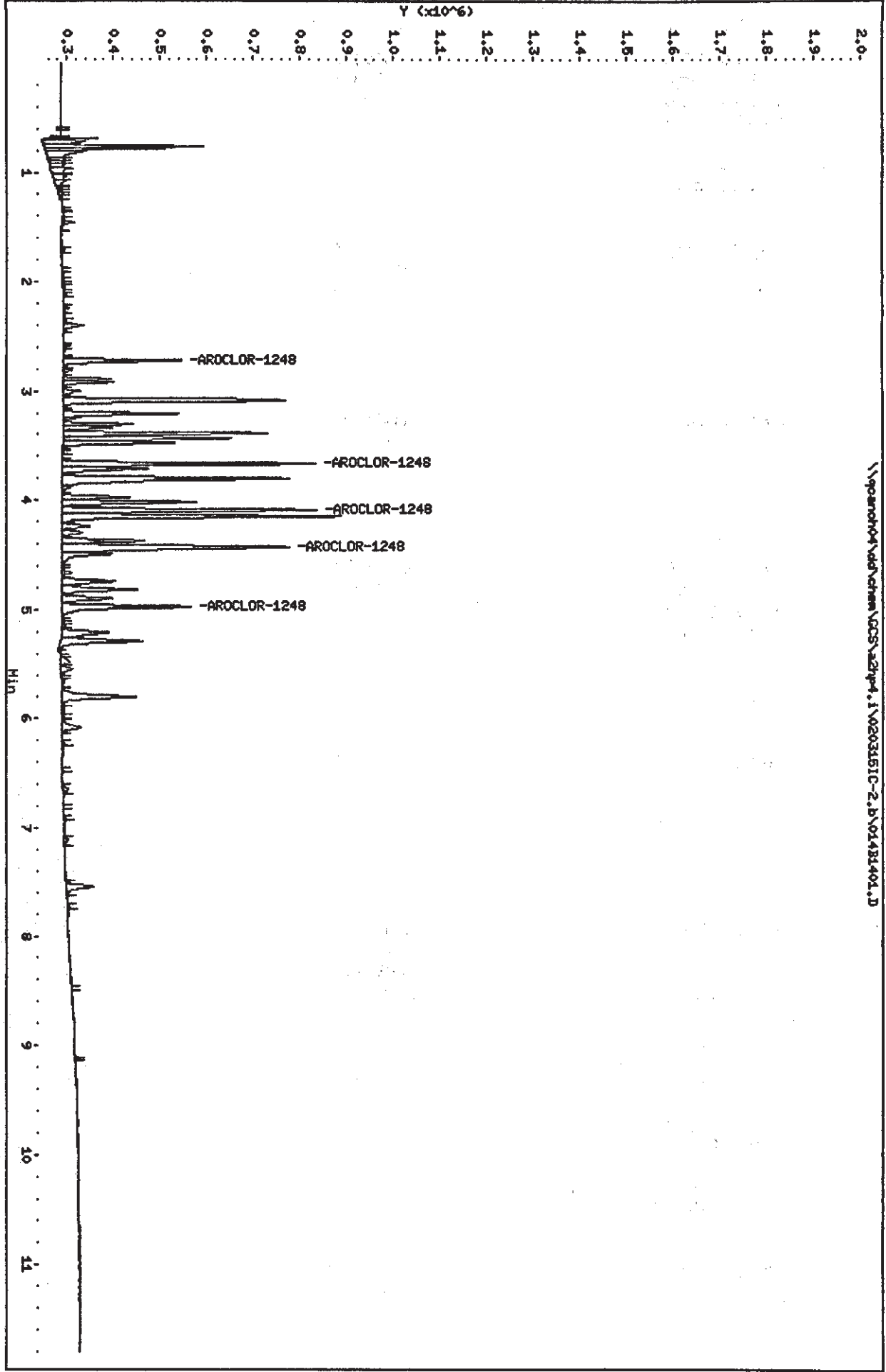
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

		AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	-----
5 AROCLOR-1248					CAS #: 12672-29-6		
2.721	2.722	(-0.001)	253247	0.20000	0.2235 75.00- 125.00	100.00	
3.669	3.671	(-0.002)	544334	0.20000	0.2157 166.54- 277.56	214.94	
4.095	4.098	(-0.003)	545939	0.20000	0.2170 164.22- 273.70	215.58	
4.432	4.433	(-0.001)	487563	0.20000	0.2160 147.01- 245.01	192.52	
4.976	4.977	(-0.001)	276354	0.20000	0.2226 80.79- 134.66	109.12	
Average of Peak Amounts =			0.219				

Data File: \\gsarnd04\vd\chem\QCS\azhp4.1\02035BIC-2.B\01431401.D
Date: 15-MAR-2002 07:16
Client ID:
Sample Info: 1249,1,2
Column phase: nestek pest c1p1

Instrument: azhp4.1
Operator: 1806
Column diameter: 0.53

\\gsarnd04\vd\chem\QCS\azhp4.1\02035BIC-2.B\01431401.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\015B1501.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:33
 Operator : 1808
 Smp Info : 1248,,1,3
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
---	-----	-----	-----	-----	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.721	2.722	(-0.001)	622600	0.50000	0.5332 75.00- 125.00	100.00
3.670	3.671	(-0.001)	1382482	0.50000	0.5316 166.54- 277.56	222.05
4.096	4.098	(-0.002)	1363251	0.50000	0.5262 164.22- 273.70	218.96
4.432	4.433	(-0.001)	1220350	0.50000	0.5230 147.01- 245.01	196.01
4.976	4.977	(-0.001)	670698	0.50000	0.5219 80.79- 134.66	107.73
Average of Peak Amounts =			0.527			

Data File: \\gpcan04\vol\chem\GC5\azhp4.1\020315IC-2.b\01515101.D
Date : 15-MAR-2002 07:33

Client ID:

Sample Info: 1248, 1.3

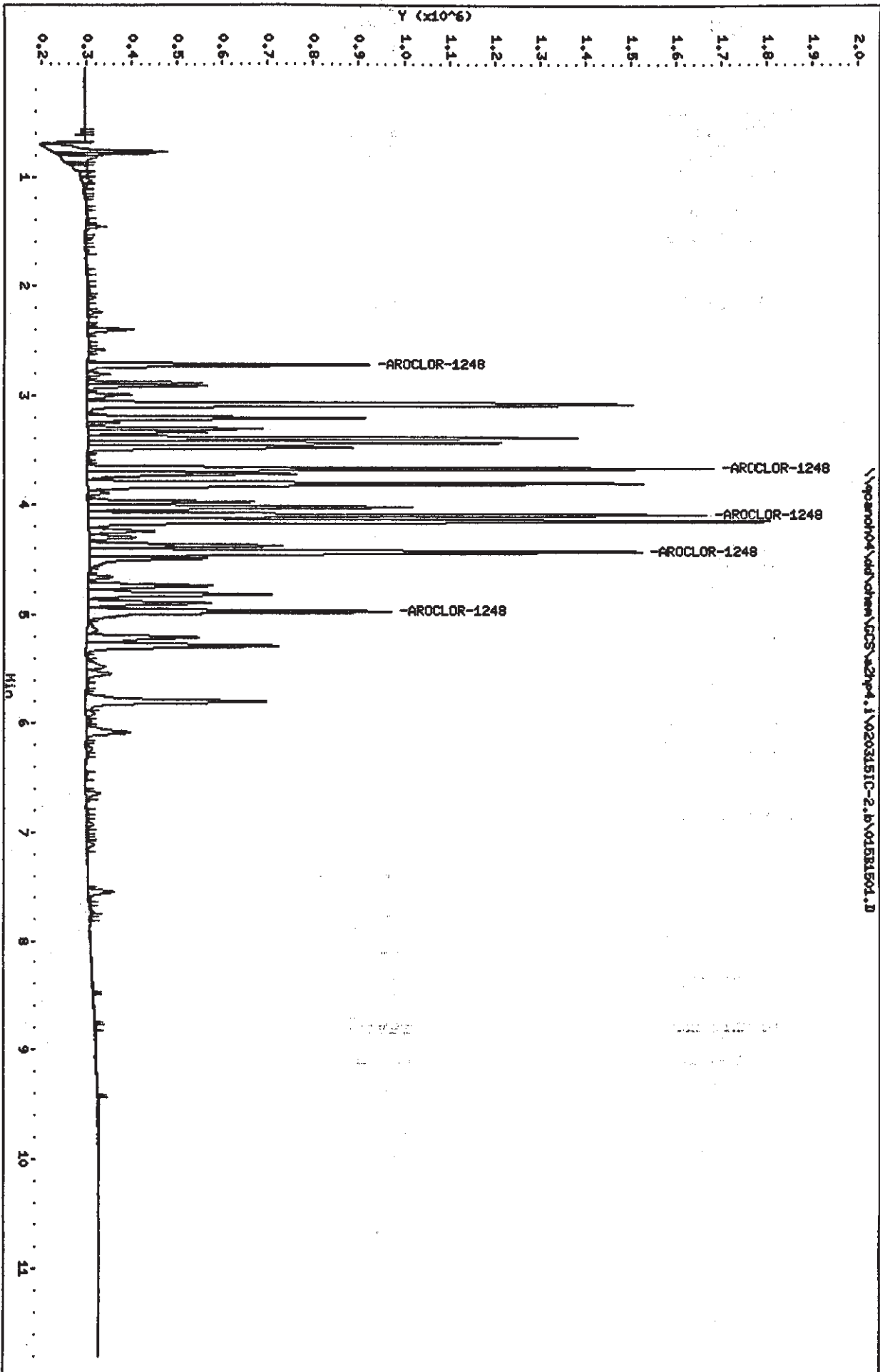
Column phase: restek pest o1p1

Instrument: azhp4.1

Operator: 1908

Column diameter: 0.53

\\gpcan04\vol\chem\GC5\azhp4.1\020315IC-2.b\01515101.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\016B1601.D
 Report Date: 18-Mar-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\016B1601.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 07:49
 Operator : 1808
 Smp Info : 1248,,1,4
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO		
---	-----	-----	-----	-----	-----	-----	-----	-----	
6 AROCLOR-1248				CAS #: 12672-29-6					
2.721	2.722	(-0.001)		1137711	1.00000	0.9374 75.00- 125.00	100.00		
3.671	3.671	(0.000)		2555078	1.00000	0.9489 166.54- 277.56	224.58		
4.097	4.098	(-0.001)		2554845	1.00000	0.9536 164.22- 273.70	224.56		
4.434	4.433	(0.001)		2344108	1.00000	0.9680 147.01- 245.01	206.04		
4.978	4.977	(0.001)		1281221	1.00000	0.9580 80.79- 134.66	112.61		
Average of Peak Amounts =						0.953			

Data File: \\gpcand04\data\chem\GC5\ad2hp4.1\020315IC-2.b\01681601.D

Date: 15-APR-2002 07:49

Client ID:

Sample Info: 1248,1,4

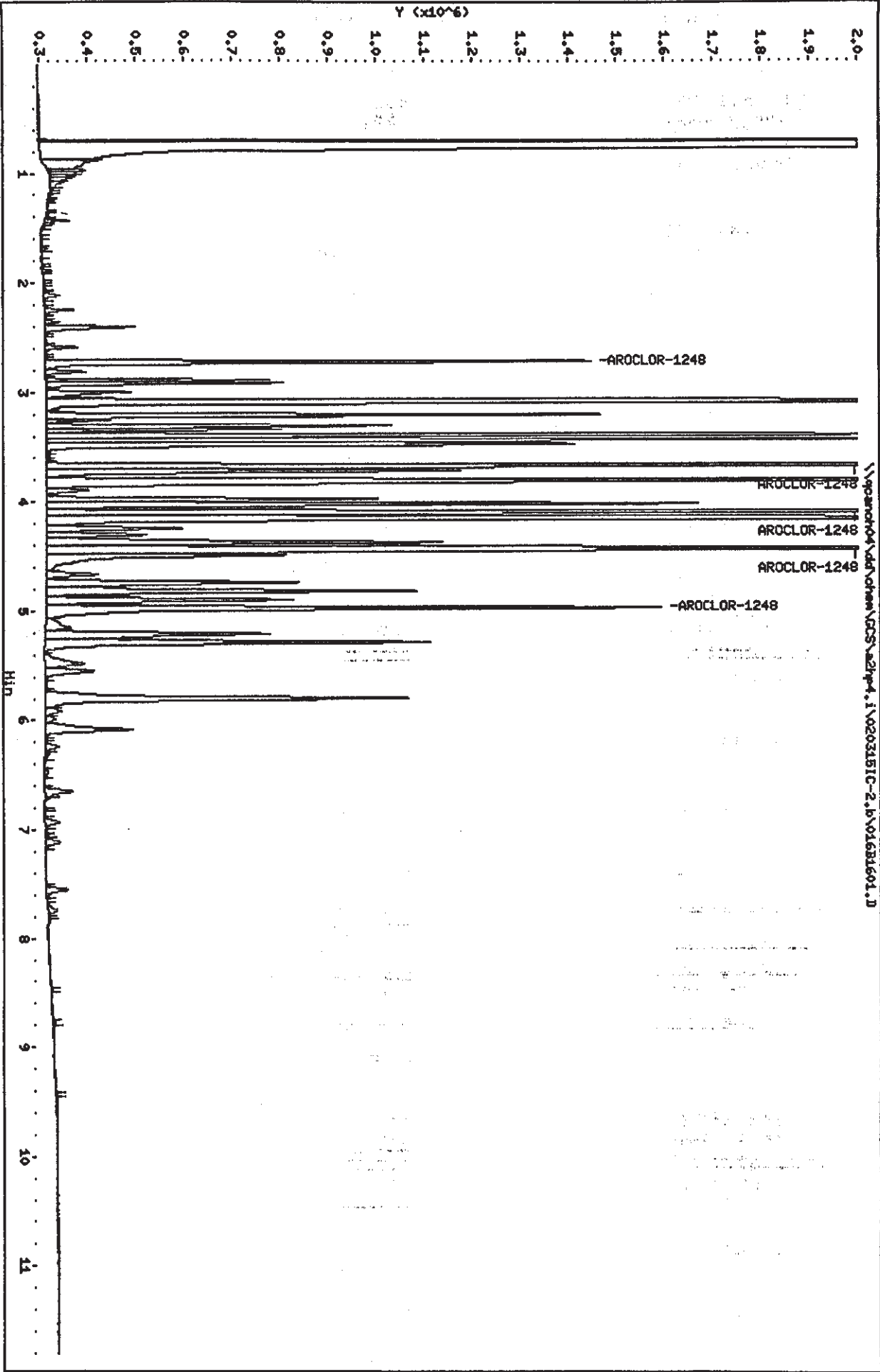
Column phase: restek pest c1p1

Instrument: ad2hp4.1

Operator: 1808

Column diameter: 0.53

\\gpcand04\data\chem\GC5\ad2hp4.1\020315IC-2.b\01681601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\017B1701.D
 Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\017B1701.D
 Lab Smp Id: 1248
 Inj Date : 15-MAR-2002 08:06
 Operator : 1808
 Smp Info : 1248,,1,5
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.722	2.722	(0.000)	2289268	2.00000	1.817 75.00- 125.00	100.00
3.671	3.671	(0.000)	5231633	2.00000	1.879 166.54- 277.56	228.53
4.098	4.098	(0.000)	5272984	2.00000	1.910 164.22- 273.70	230.33
4.433	4.433	(0.000)	4839019	2.00000	1.936 147.01- 245.01	211.38
4.977	4.977	(0.000)	2596769	2.00000	1.877 80.79- 134.66	113.43
Average of Peak Amounts =				1.88		

Data File: \\parrish04\dd\chem\GC8\22hp4.1\020315IC-2.b\01781701.D

Date : 15-APR-2002 08:06

Client ID:

Sample Info: 1248,1,5

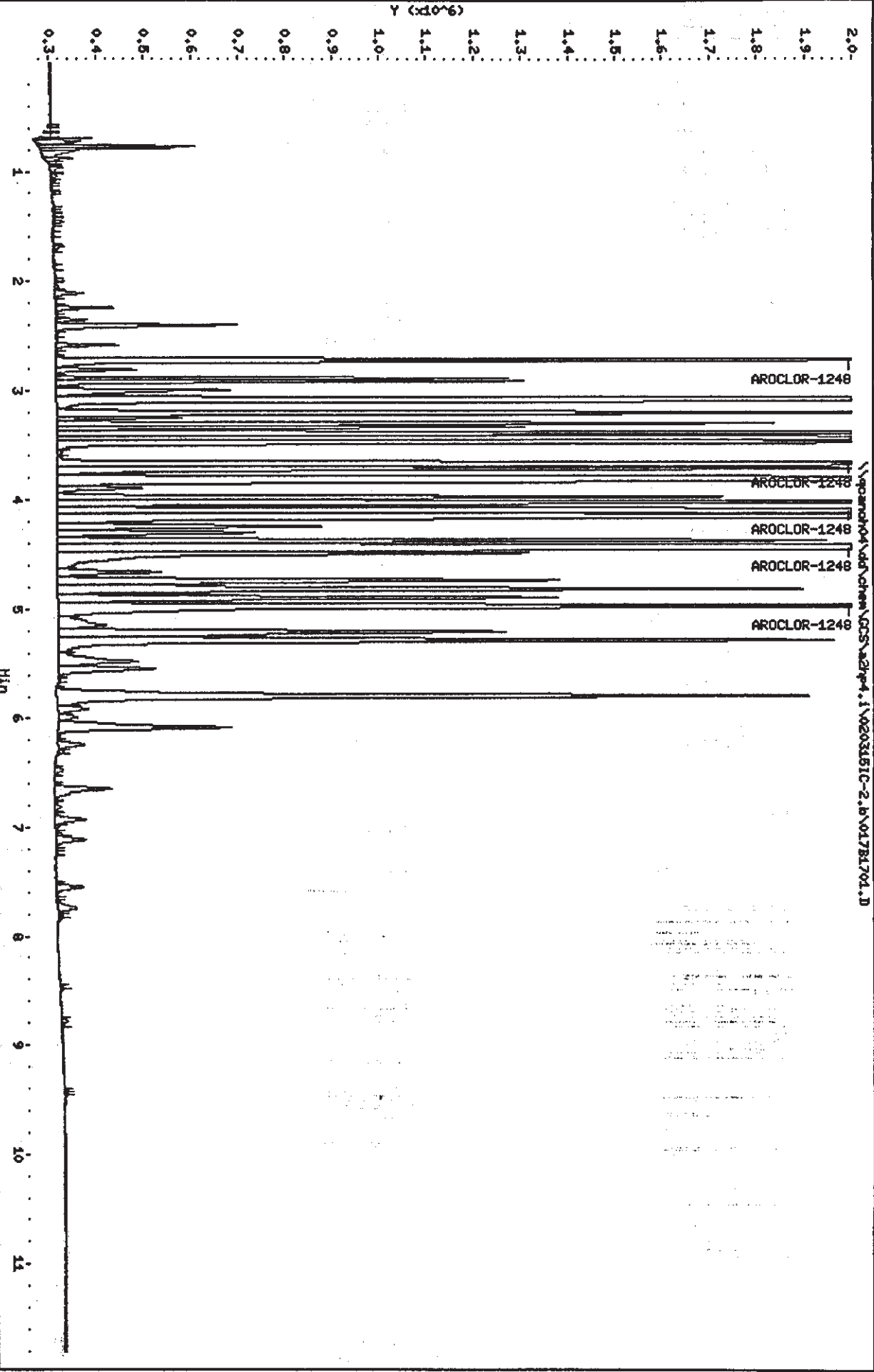
Column phase: restek pest c1p1

Instrument: 22hp4.1

Operator: 1908

Column diameter: 0.53

\\parrish04\dd\chem\GC8\22hp4.1\020315IC-2.b\01781701.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\018B1801.D
 Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\018B1801.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:22
 Operator : 1808
 Smp Info : 2154,,1,1
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:16
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

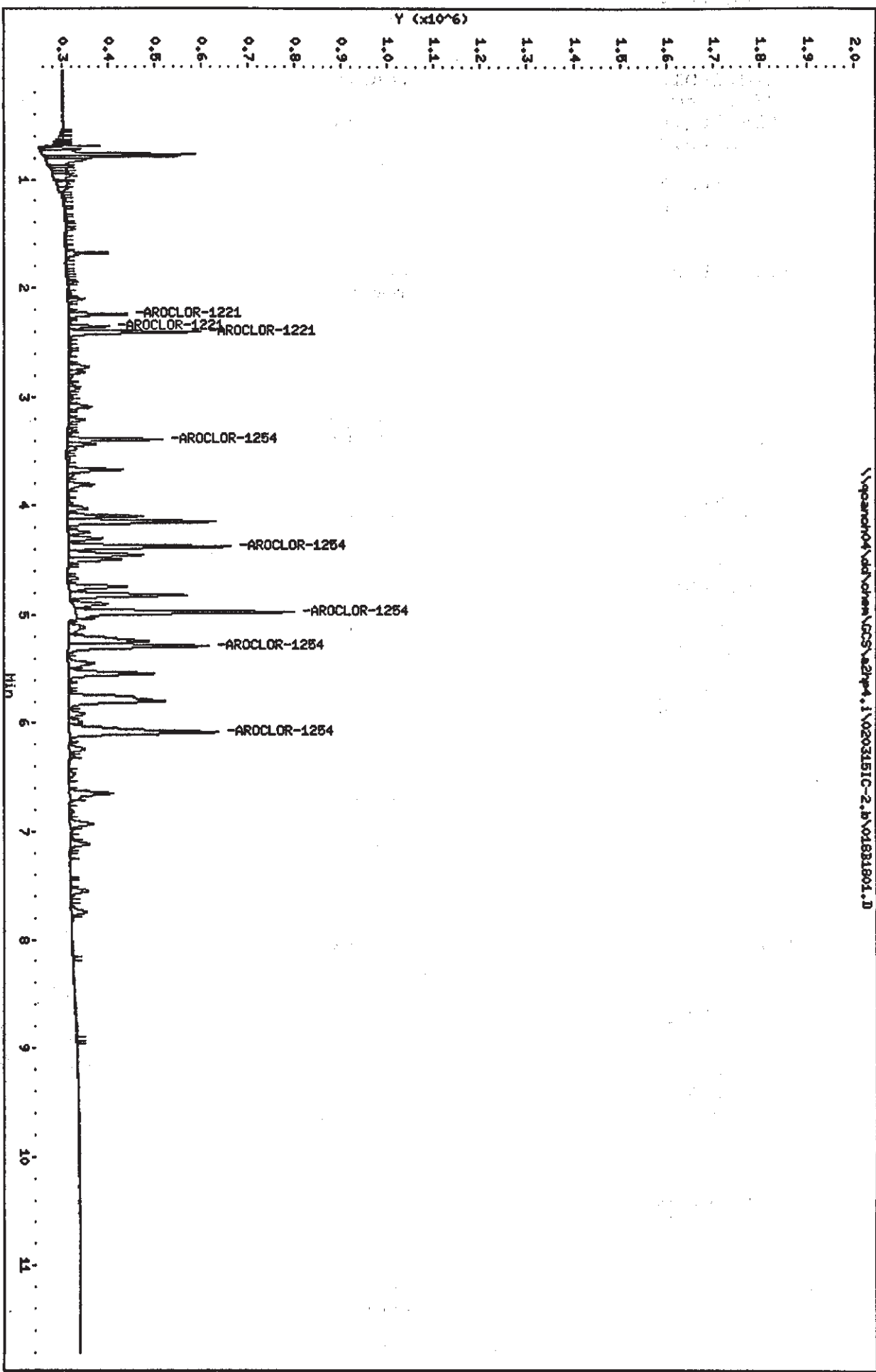
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254						
CAS #: 11097-69-1						
3.394	3.394	(0.000)	205336 0.10000	0.1338	75.00- 125.00	100.00
4.377	4.376	(0.001)	348134 0.10000	0.1303	128.85- 214.74	169.54
4.978	4.979	(-0.001)	468716 0.10000	0.1261	182.22- 303.70	228.27
5.292	5.291	(0.001)	303485 0.10000	0.1272	113.98- 189.96	147.80
6.085	6.085	(0.000)	322442 0.10000	0.1279	119.25- 198.75	157.03
Average of Peak Amounts =				0.129		

2 AROCLOR-1221						
CAS #: 11104-28-2						
2.242	2.241	(0.001)	128166 0.10000	0.1259	75.00- 125.00	100.00
2.353	2.352	(0.001)	86856 0.10000	0.1310	49.23- 82.05	67.77
2.402	2.401	(0.001)	285216 0.10000	0.1282	161.52- 269.20	222.54
Average of Peak Amounts =				0.128		

Data File: \\qpcan04\vd\chem\GC5\ad7p4.1\020315IC-2.b\01831801.D
Date: 15-MAR-2002 08:22
Client ID:
Sample Info: 2154,1,1
Column phase: restek pest c1p1

Instrument: ad7p4.1
Operator: 1808
Column diameter: 0.53

\\qpcan04\vd\chem\GC5\ad7p4.1\020315IC-2.b\01831801.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\019B1901.D
 Report Date: 18-Mar-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\019B1901.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:39
 Operator : 1808
 Smp Info : 2154,,1,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:32
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	CAL-AMT	ON-COL	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254									
CAS #: 11097-69-1									
3.394	3.394	(0.000)		382632	0.20000	0.2345	75.00- 125.00	100.00	
4.375	4.376	(-0.001)		654356	0.20000	0.2320	128.85- 214.74	171.00	
4.978	4.979	(-0.001)		878204	0.20000	0.2246	182.22- 303.70	229.52	
5.290	5.291	(-0.001)		576894	0.20000	0.2290	113.98- 189.96	150.77	
6.084	6.085	(-0.001)		568280	0.20000	0.2166	119.25- 198.75	148.52	
Average of Peak Amounts =				0.227					

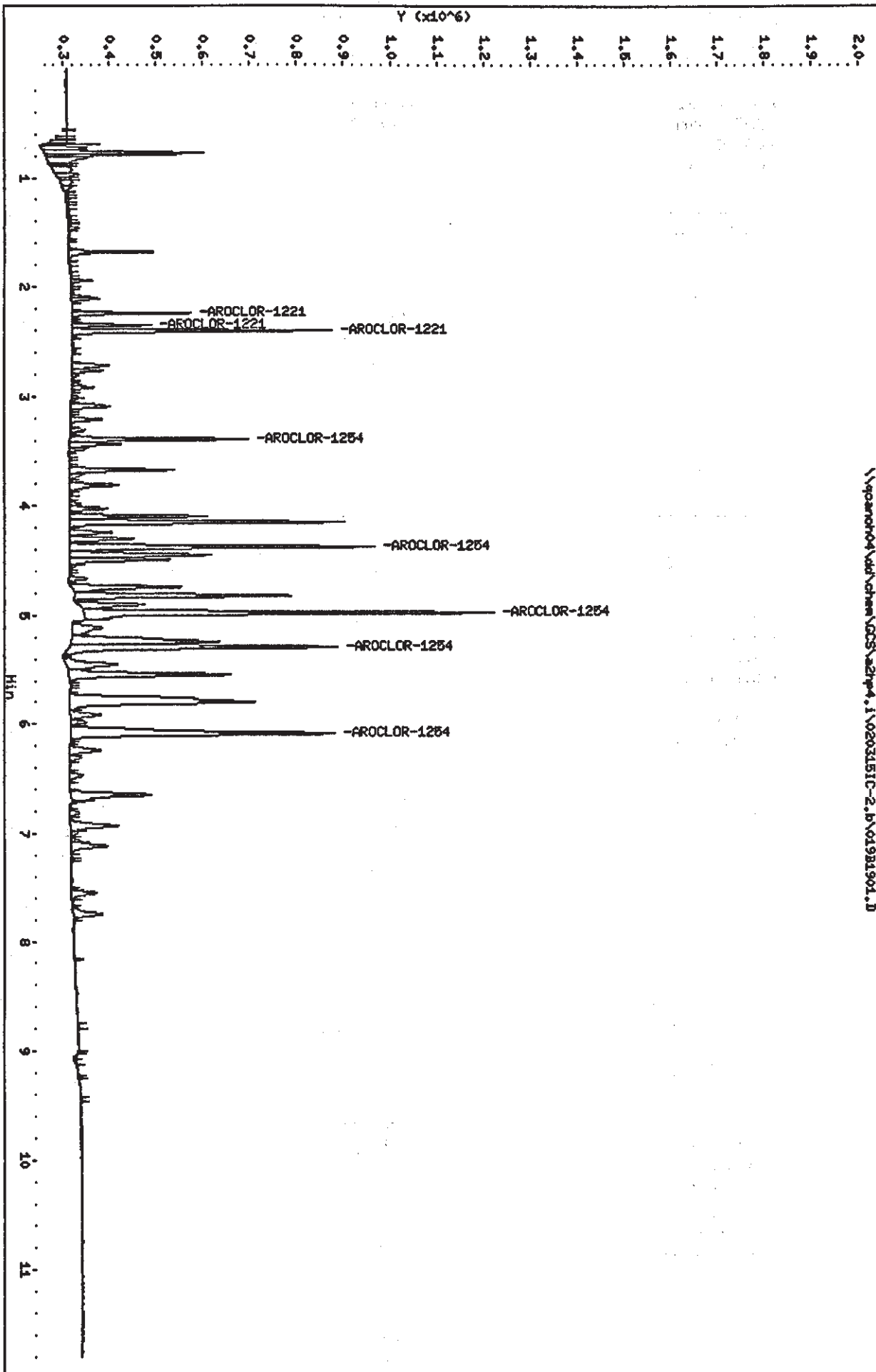
2 AROCLOR-1221									
CAS #: 11104-28-2									
2.242	2.241	(0.001)		257165	0.20000	0.2376	75.00- 125.00	100.00	
2.353	2.352	(0.001)		170208	0.20000	0.2401	49.23- 82.05	66.19	
2.402	2.401	(0.001)		557799	0.20000	0.2364	161.52- 269.20	216.90	
Average of Peak Amounts =				0.238					

Data File: \\gsancho4\nd\chem\GC5\221p4.1\020315IC-2.b\01981901.D
Date: 15-APR-2002 08:39
Client ID:
Sample Info: 2154,1,2

Column phase: restek pest olp1

Instrument: 221p4.1
Operator: 1808
Column diameter: 0.53

\\gsancho4\nd\chem\GC5\221p4.1\020315IC-2.b\01981901.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\020B2001.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 08:55
 Operator : 1808
 Smp Info : 2154,,1,3
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 11:49
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.394	3.394	(0.000)	873985 0.50000	0.5112	75.00- 125.00	100.00
4.377	4.376	(0.001)	1501456 0.50000	0.5086	128.85- 214.74	171.79
4.979	4.979	(0.000)	2123429 0.50000	0.5188	182.22- 303.70	242.96
5.292	5.291	(0.001)	1328192 0.50000	0.5047	113.98- 189.96	151.97
6.086	6.085	(0.001)	1389637 0.50000	0.5069	119.25- 198.75	159.00
Average of Peak Amounts =			0.51			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.242	2.241	(0.001)	586835 0.50000	0.5200	75.00- 125.00	100.00
2.353	2.352	(0.001)	385201 0.50000	0.5197	49.23- 82.05	65.64
2.402	2.401	(0.001)	1263794 0.50000	0.5149	161.52- 269.20	215.36
Average of Peak Amounts =			0.518			

Data File: \\qparoch04\dd\chem\GCS\adp4.1\0203151C-2.b\02032001.D

Date: 15-MAR-2002 08:55

Client ID:

Sample Info: 2154,1,3

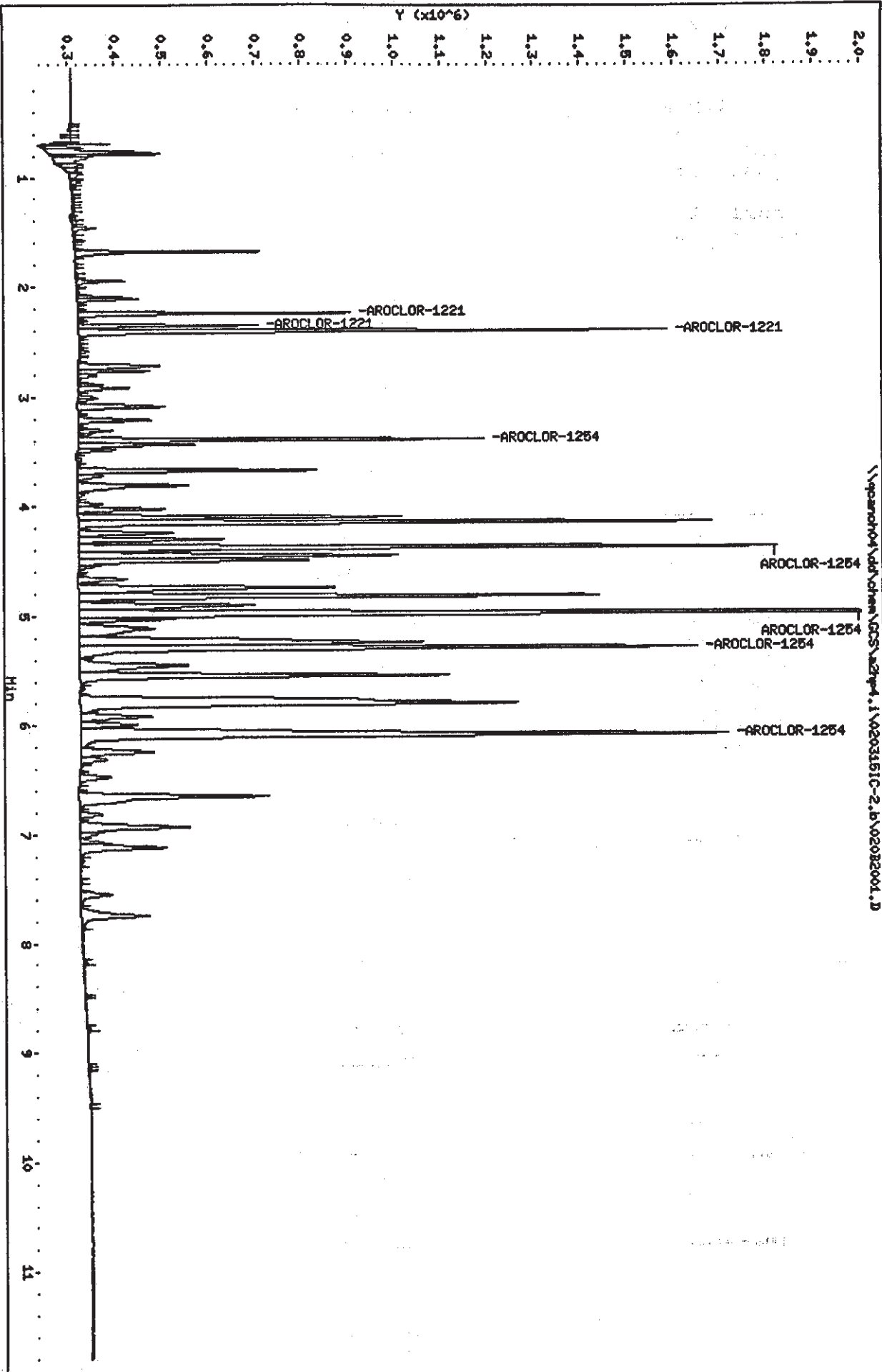
Column phase: restek post o/p1

Instrument: adp4.1

Operator: 1808

Column diameter: 0.53

\\qparoch04\dd\chem\GCS\adp4.1\0203151C-2.b\02032001.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\021B2101.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 09:12
 Operator : 1808
 Smp Info : 2154,,1,4
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:05
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	GM-COL (ng)	TARGET RANGE	RATIO
7 AROCLOR-1254 CAS #: 11097-69-1						
3.393	3.394	(-0.001)	1803616	1.00000	0.9980 75.00- 125.00	100.00
4.375	4.376	(-0.001)	3134223	1.00000	1.003 128.85- 214.74	173.77
4.978	4.979	(-0.001)	4465986	1.00000	1.028 182.22- 303.70	247.61
5.290	5.291	(-0.001)	2807681	1.00000	1.012 113.98- 189.96	155.67
6.084	6.085	(-0.001)	2810941	1.00000	0.9852 119.25- 198.75	155.85
Average of Peak Amounts =				1.01		

2 AROCLOR-1221 CAS #: 11104-28-2						
2.242	2.241	(0.001)	1250654	1.00000	1.042 75.00- 125.00	100.00
2.352	2.352	(0.000)	807840	1.00000	1.026 49.23- 82.05	64.59
2.402	2.401	(0.001)	2630307	1.00000	1.015 161.52- 269.20	210.31
Average of Peak Amounts =				1.03		

Data File: \\gsarc04\dd\chem\GCS\azhp4.1\02031610-2.b\021B2101.D

Date: 15-MAR-2002 09:12

Client ID:

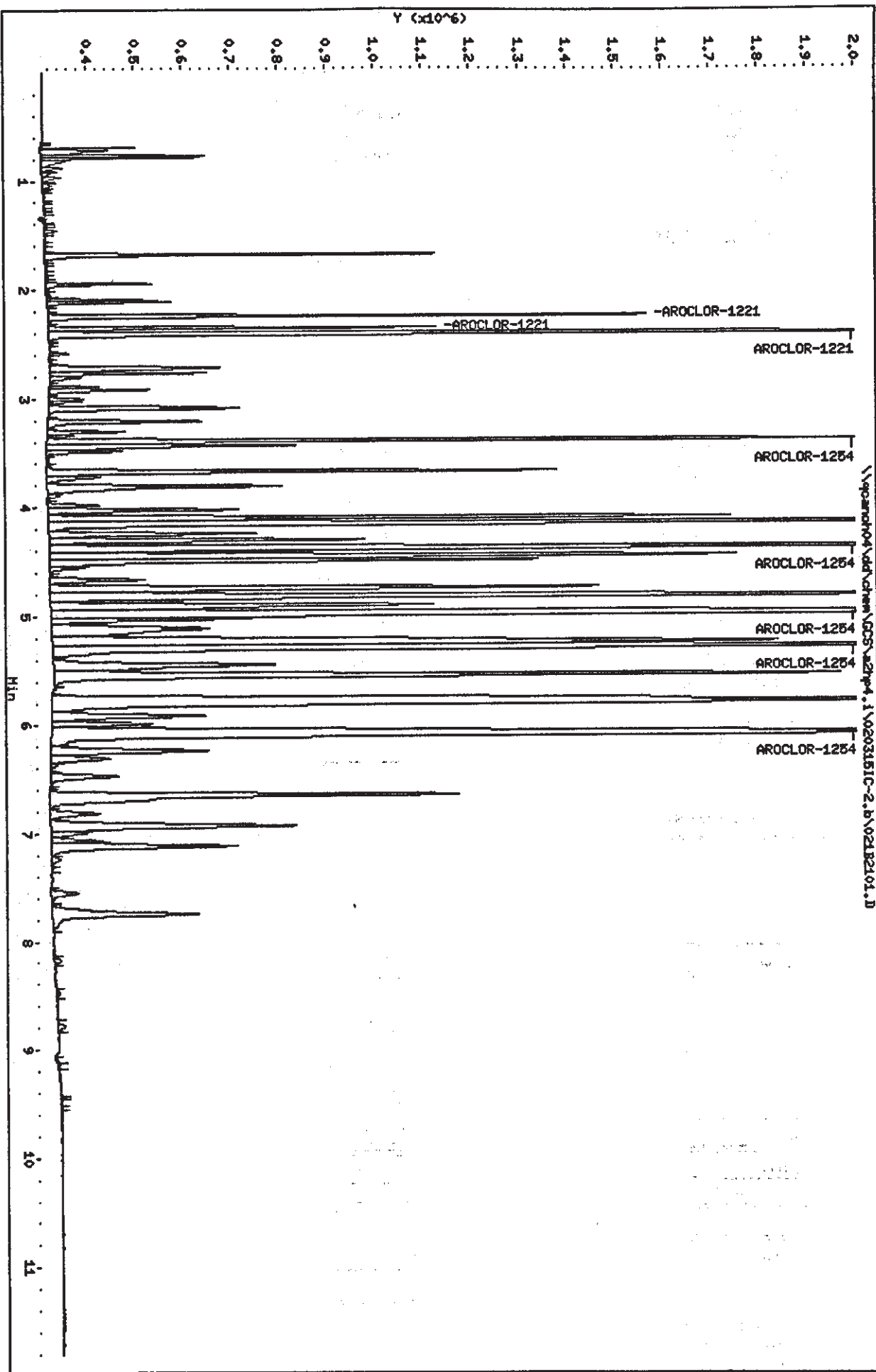
Sample Infor: 2154,1,4

Column phase: restek pest o1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\022B2201.D
 Lab Smp Id: 2154
 Inj Date : 15-MAR-2002 09:28
 Operator : 1808
 Smp Info : 2154,,1,5
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 02-MAR-2002 12:22
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
---	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.394	3.394	(0.000)	4301843 2.00000	2.224	75.00- 125.00	100.00
4.376	4.376	(0.000)	7693245 2.00000	2.298	128.85- 214.74	178.84
4.979	4.979	(0.000)	11084586 2.00000	2.375	182.22- 303.70	257.67
5.291	5.291	(0.000)	7153130 2.00000	2.391	113.98- 189.96	166.28
6.085	6.085	(0.000)	7506628 2.00000	2.436	119.25- 198.75	174.50
Average of Peak Amounts =			2.34			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.241	2.241	(0.000)	2831145 2.00000	2.209	75.00- 125.00	100.00
2.352	2.352	(0.000)	1798065 2.00000	2.142	49.23- 82.05	63.51
2.401	2.401	(0.000)	5873823 2.00000	2.138	161.52- 269.20	207.47
Average of Peak Amounts =			2.16			

Data File: \\qparndh04\vdh\chem\GC5\adhp4.1\0203151C-2.b\02282201.D

Date: 15-APR-2002 09:28

Client ID:

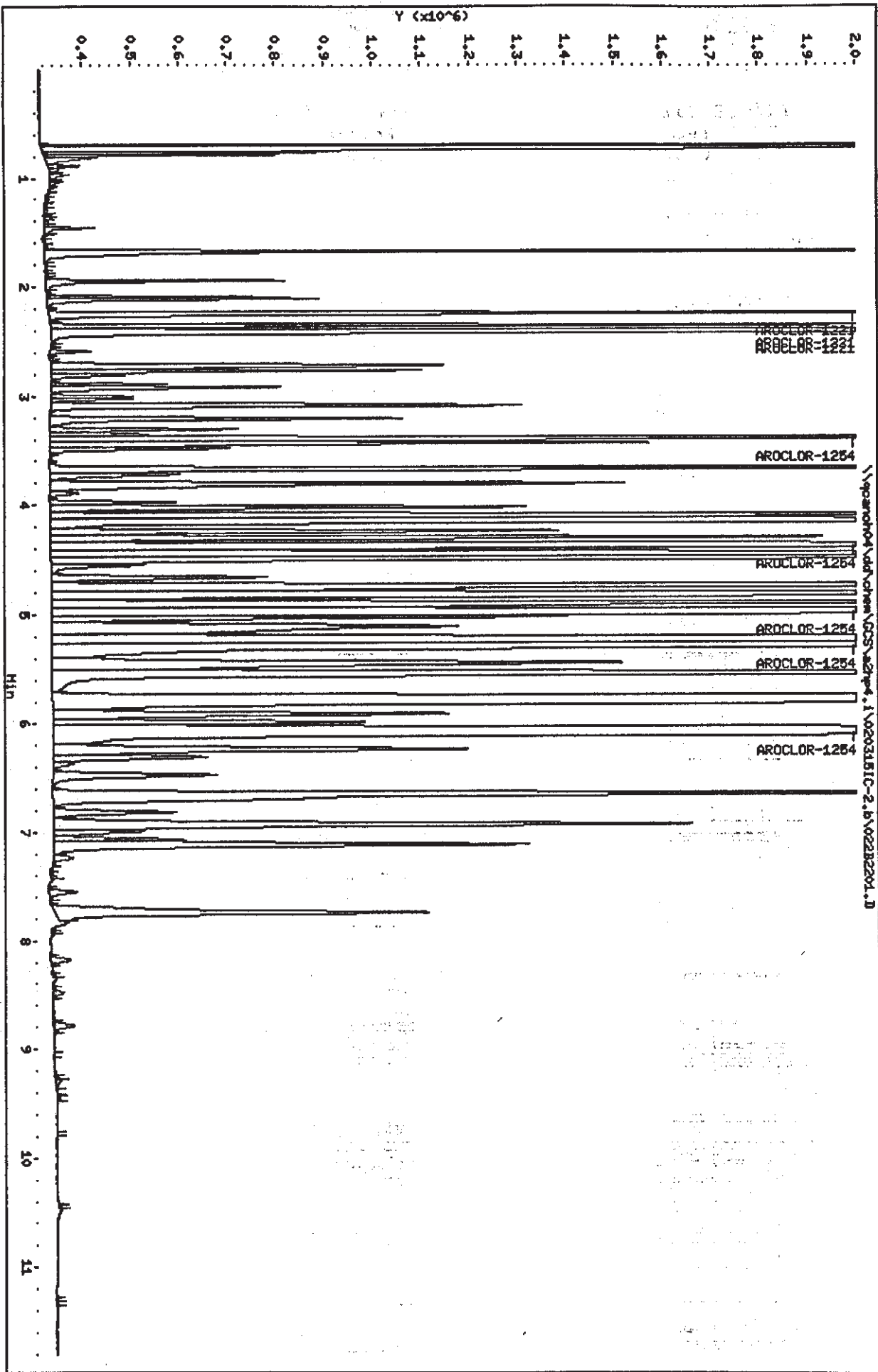
Sample Info: 2154, 1,5

Column phase: restek pest colpl

Instrument: adhp4.1

Operator: 1808

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 09:45
 Operator : 1808
 Smp Info : 1660,,1,1
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 09:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE (	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
..		

§ 1 TCMX					CAS #: 877-09-8				
2.022	2.024	(-0.002)	673121	0.00500	0.005937				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.402	2.403	(-0.001)	217185	0.10000	0.1334	75.00- 125.00	100.00		
2.722	2.723	(-0.001)	316243	0.10000	0.1335	109.37- 182.29	145.61		
3.094	3.095	(-0.001)	547408	0.10000	0.1255	197.28- 328.81	252.05		
3.212	3.213	(-0.001)	299548	0.10000	0.1318	104.86- 174.76	137.92		
3.307	3.307	(0.000)	201144	0.10000	0.1270	72.91- 121.51	92.61		
Average of Peak Amounts =					0.13				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.245	5.245	(0.000)	334979	0.10000	0.1336	75.00- 125.00	100.00		
6.083	6.081	(0.002)	352851	0.10000	0.1325	81.06- 135.11	105.34		
6.695	6.694	(0.001)	247794	0.10000	0.1331	55.19- 91.98	73.97		
7.114	7.114	(0.000)	530275	0.10000	0.1302	122.47- 204.11	158.30		
7.743	7.742	(0.001)	297999	0.10000	0.1311	68.47- 114.12	88.96		
Average of Peak Amounts =					0.132				

§ 9 DCB					CAS #: 2051-24-3				
10.038	10.036	(0.002)	215241	0.00500	0.006419				

Data File: \\gpcand04\dd\chem\DCS\azhp4.1\020315IC-2.b\0232301.D

Date: 15-APR-2002 09:45

Client ID:

Sample Infol 1660,1,1

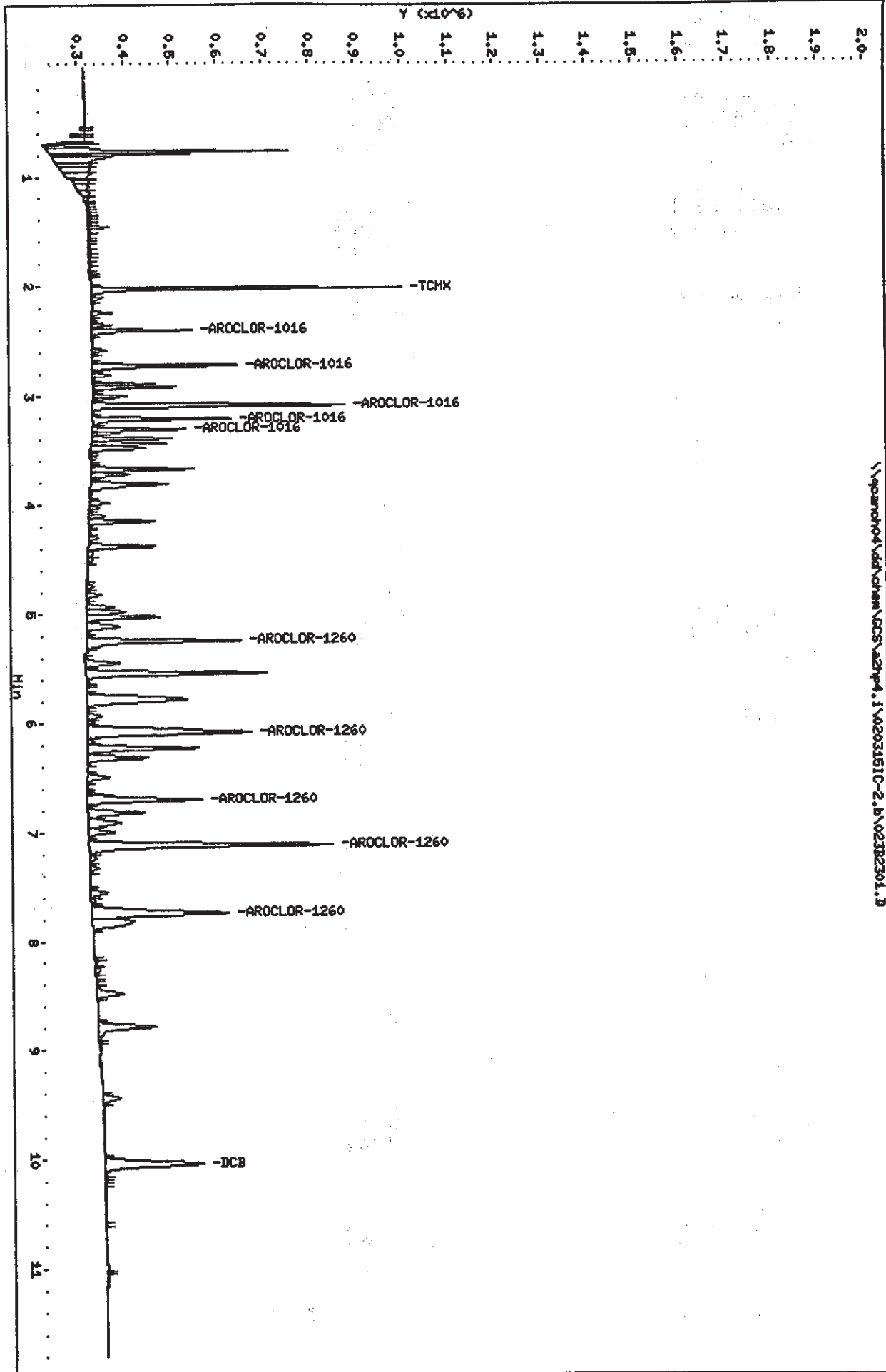
Column phase: restek pest cilp1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\gpcand04\dd\chem\DCS\azhp4.1\020315IC-2.b\0232301.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\024B2401.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:01
 Operator : 1808
 Smp Info : 1660,,1,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:01
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
..

\$ 1	TCMX				CAS #: 877-09-8	
2.023	2.024	(-0.001)	1222652	0.01000	0.01048	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.402	2.403	(-0.001)	368032	0.20000	0.2180 75.00- 125.00	100.00
2.723	2.723	(0.000)	550770	0.20000	0.2230 109.37- 182.29	149.63
3.094	3.095	(-0.001)	951234	0.20000	0.2112 197.28- 328.81	256.47
3.213	3.213	(0.000)	510536	0.20000	0.2159 104.86- 174.76	138.72
3.307	3.307	(0.000)	347952	0.20000	0.2116 72.91- 121.51	94.54
Average of Peak Amounts =			0.216			

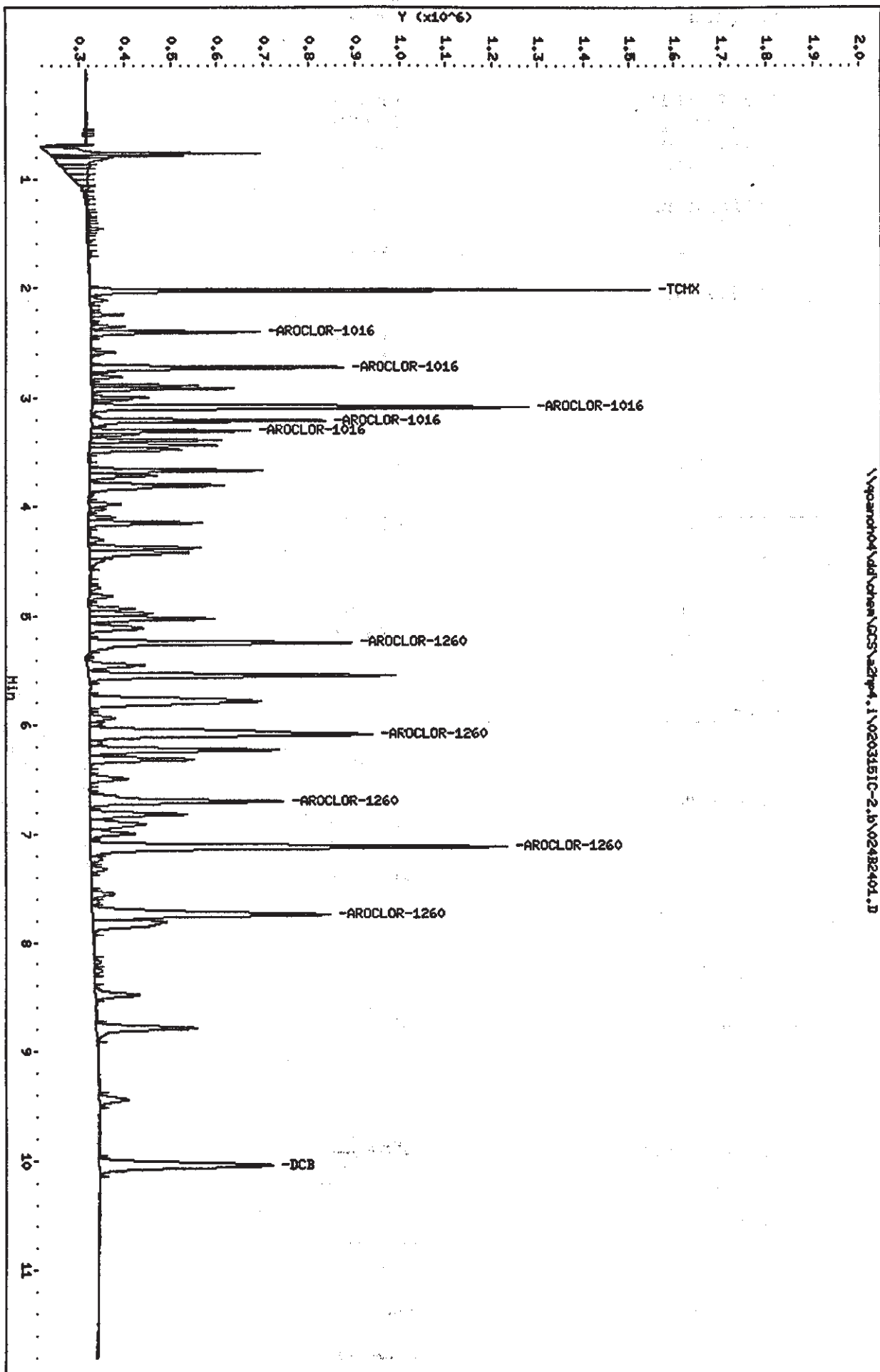
8	AROCLOR-1260				CAS #: 11096-82-5	
5.246	5.245	(0.001)	572719	0.20000	0.2189 75.00- 125.00	100.00
6.084	6.081	(0.003)	614456	0.20000	0.2199 81.06- 135.11	107.29
6.694	6.694	(0.000)	421888	0.20000	0.2174 55.19- 91.98	73.66
7.114	7.114	(0.000)	909098	0.20000	0.2141 122.47- 204.11	158.73
7.743	7.742	(0.001)	519659	0.20000	0.2187 68.47- 114.12	90.74
Average of Peak Amounts =			0.218			

\$ 9	DCB				CAS #: 2051-24-3	
10.039	10.036	(0.003)	378880	0.01000	0.01092	

Data File: \\qapanoh4\dd\chem\CCS\adhp4.1\020315IC-2.b\02482401.D
Date: 15-APR-2002 10:04
Client ID:
Sample Info: 1660,1,2
Column phase: restek pest c1p1

Instrument: adhp4.1
Operator: 1808
Column diameter: 0.53

\\qapanoh4\dd\chem\CCS\adhp4.1\020315IC-2.b\02482401.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\025B2501.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:18
 Operator : 1808
 Smp Info : 1660,,1,3
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:18
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
			-----	-----	-----	-----

\$ 1	TCMX				CAS #: 877-09-8	
2.022	2.024	(-0.002)	3076060	0.02500	0.02574	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.402	2.403	(-0.001)	889465	0.50000	0.5110 75.00- 125.00	100.00
2.723	2.723	(0.000)	1345276	0.50000	0.5236 109.37- 182.29	151.25
3.095	3.095	(0.000)	2432412	0.50000	0.5216 197.28- 328.81	273.47
3.212	3.213	(-0.001)	1277366	0.50000	0.5205 104.86- 174.76	143.61
3.307	3.307	(0.000)	878062	0.50000	0.5162 72.91- 121.51	98.72
Average of Peak Amounts =				0.519		

8	AROCLOR-1260				CAS #: 11096-82-5	
5.246	5.245	(0.001)	1454203	0.50000	0.5307 75.00- 125.00	100.00
6.082	6.081	(0.001)	1566325	0.50000	0.5347 81.06- 135.11	107.71
6.696	6.694	(0.002)	1079526	0.50000	0.5323 55.19- 91.98	74.23
7.115	7.114	(0.001)	2339799	0.50000	0.5270 122.47- 204.11	160.90
7.743	7.742	(0.001)	1316380	0.50000	0.5294 68.47- 114.12	90.52
Average of Peak Amounts =				0.531		

\$ 9	DCB				CAS #: 2051-24-3	
10.039	10.036	(0.003)	943543	0.02500	0.02624	

Data File: \\parran04\dd\chem\GCOS\27p4.1\020315IC-2.b\02582501.D

Date : 15-APR-2002 10:18

Client ID:

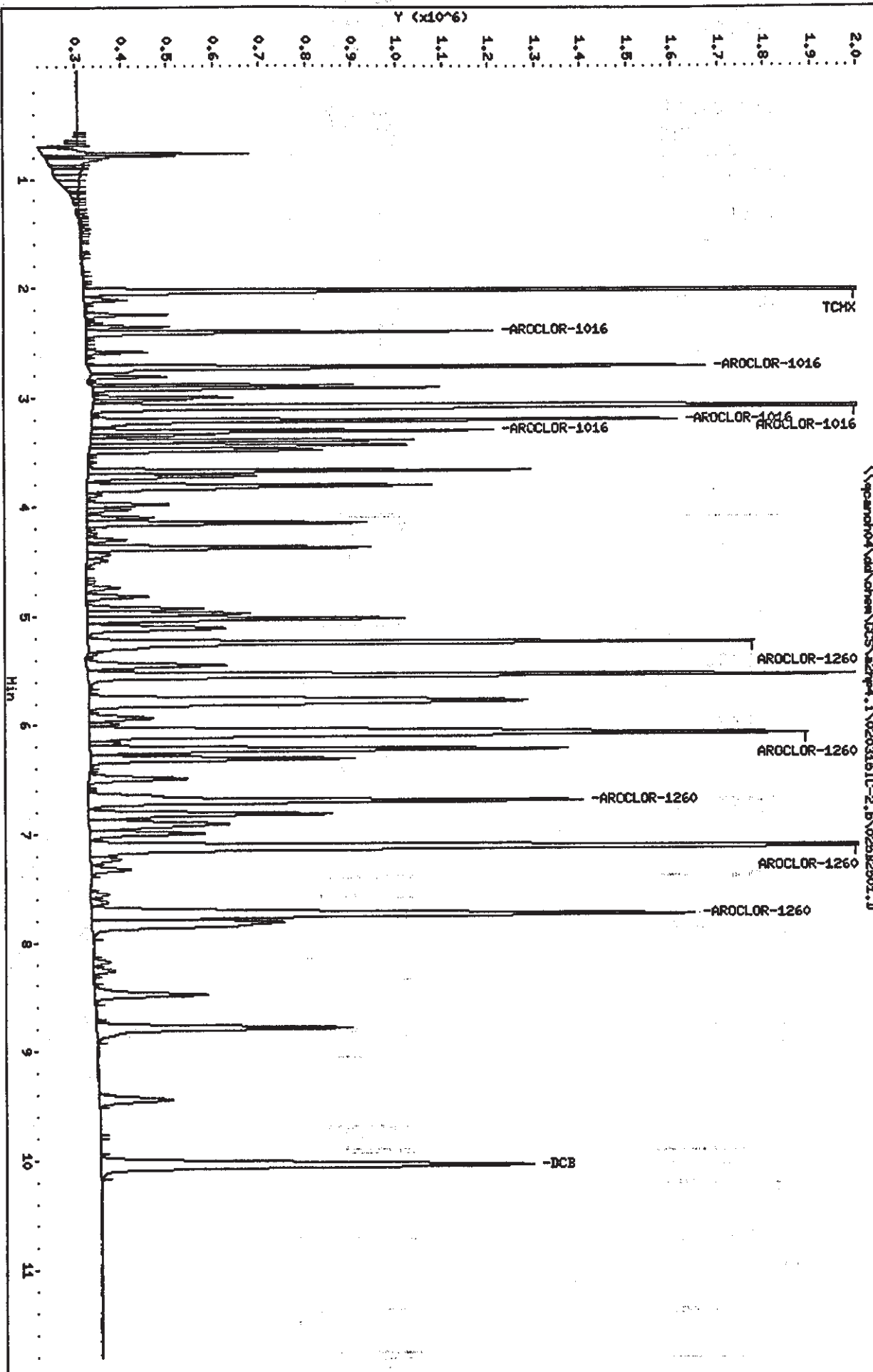
Sample Infol: 1560,1,3

Column phase: restek pest oilp1

Instrument: 27p4.1

Operator: 1908

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\026B2601.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:34
 Operator : 1808
 Smp Info : 1660,,1,4
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:34
 Dil bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

§ 1 TCCK CAS #: 877-09-8							
2.023	2.024	(-0.001)	6505645	0.05000	0.05273		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.402	2.403	(-0.001)	1801277	1.00000	1.000	75.00- 125.00	100.00
2.723	2.723	(0.000)	2694107	1.00000	1.008	109.37- 182.29	149.57
3.096	3.095	(0.001)	4946817	1.00000	1.027	197.28- 328.81	274.63
3.213	3.213	(0.000)	2638705	1.00000	1.032	104.86- 174.76	146.49
3.308	3.307	(0.001)	1845190	1.00000	1.044	72.91- 121.51	102.44
Average of Peak Amounts = 1.02							

8 AROCLOR-1260 CAS #: 11096-82-5							
5.246	5.245	(0.001)	2916831	1.00000	1.019	75.00- 125.00	100.00
6.084	6.081	(0.003)	3111784	1.00000	1.016	81.06- 135.11	106.68
6.696	6.694	(0.002)	2140533	1.00000	1.012	55.19- 91.98	73.39
7.115	7.114	(0.001)	4753523	1.00000	1.029	122.47- 204.11	162.97
7.742	7.742	(0.000)	2639373	1.00000	1.018	68.47- 114.12	90.49
Average of Peak Amounts = 1.02							

§ 9 DCS CAS #: 2051-24-3							
10.037	10.036	(0.001)	1869846	0.05000	0.05012		

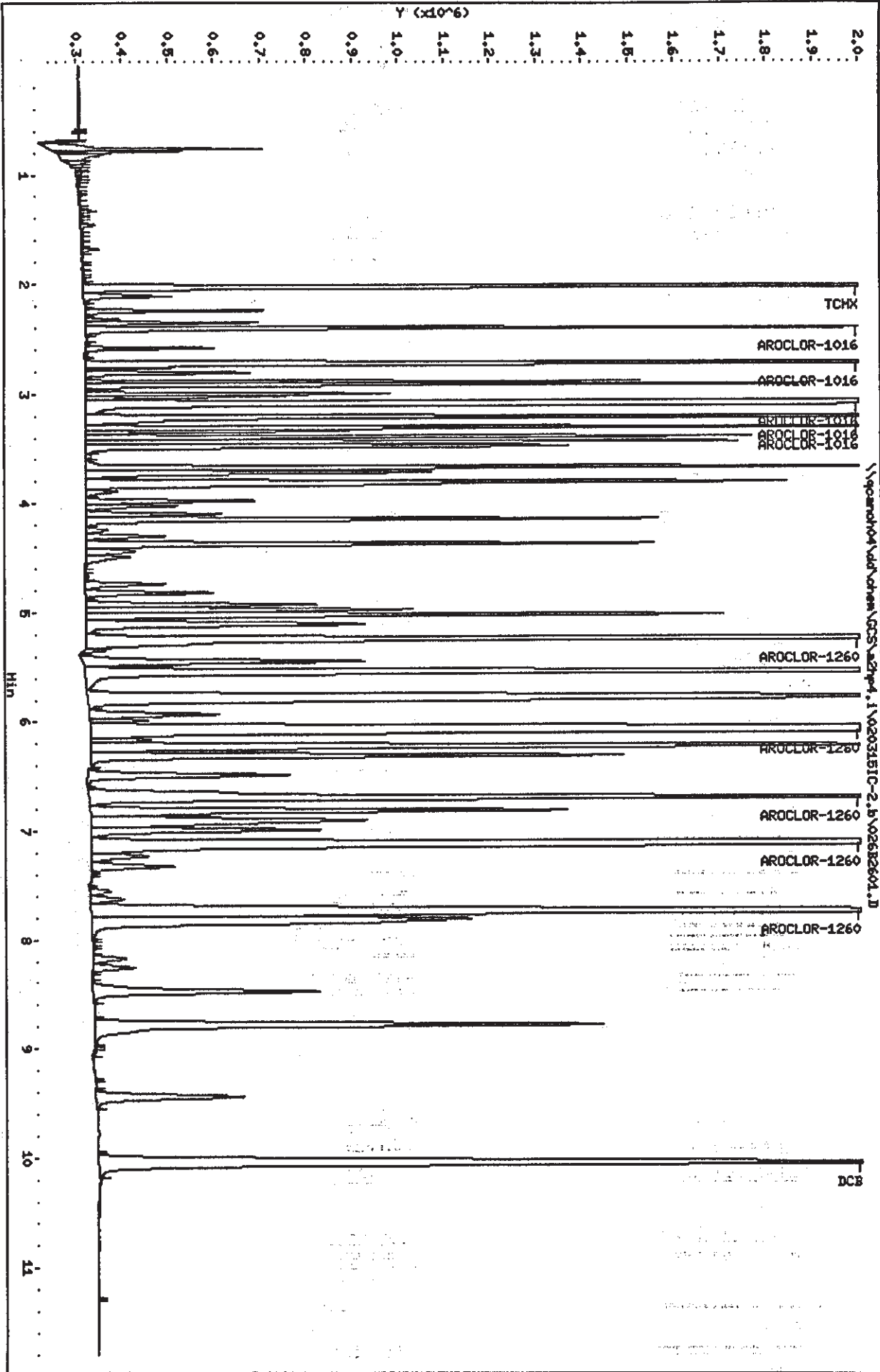
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Date: 15-MAR-2002 10:34

Client ID:
Sample Info: 1560,1,4

Column phase: restek pest c1p1

Instrument: 27p4.1

Operator: 1908
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\027B2701.D
 Lab Smp Id: 1660
 Inj Date : 15-MAR-2002 10:51
 Operator : 1808
 Smp Info : 1660,,1,5
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

§ 1 TCMX CAS #: 877-09-8							
2.022	2.024	(-0.002)	12305753	0.10000	0.09719		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.402	2.403	(-0.001)	3341750	2.00000	1.804	75.00- 125.00	100.00
2.723	2.723	(0.000)	4990216	2.00000	1.808	109.37- 182.29	149.33
3.095	3.095	(0.000)	9673127	2.00000	1.944	197.28- 328.81	289.46
3.213	3.213	(0.000)	5063762	2.00000	1.907	104.86- 174.76	151.53
3.307	3.307	(0.000)	3634596	2.00000	1.982	72.91- 121.51	108.76
Average of Peak Amounts =					1.89		

8 AROCLOR-1260 CAS #: 11096-82-5							
5.245	5.245	(0.000)	5699817	2.00000	1.914	75.00- 125.00	100.00
6.084	6.081	(0.003)	6244123	2.00000	1.955	81.06- 135.11	109.55
6.695	6.694	(0.001)	4259834	2.00000	1.933	55.19- 91.98	74.74
7.114	7.114	(0.000)	9521232	2.00000	1.980	122.47- 204.11	167.04
7.743	7.742	(0.001)	5236724	2.00000	1.944	68.47- 114.12	91.88
Average of Peak Amounts =					1.95		

9 DCB CAS #: 2051-24-3							
10.040	10.036	(0.004)	3686648	0.10000	0.09554		

Data File: \\gsaparc04\vd\chrom\GC5\az2hp4.1\0203151C-2.b\02782701.D

Date: 15-SEP-2002 10:51

Client ID:

Sample Info: 1560, 1, 5

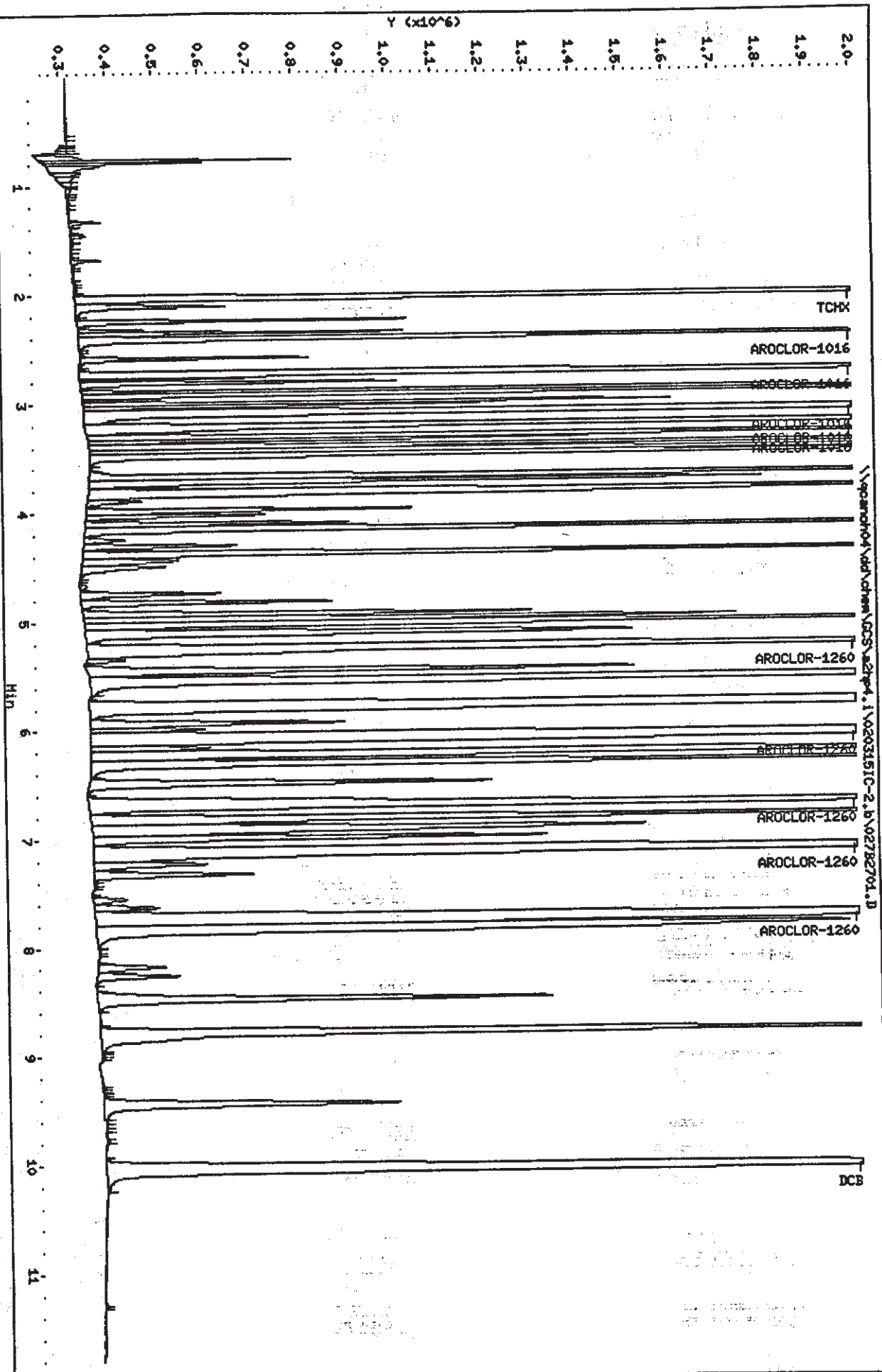
Column phase: restek pest c1p1

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\028B2801.D
 Report Date: 15-Mar-2002 11:26

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-MAR-2002 11:08
 Lab File ID: 028B2801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: ICV Quant Type: ESTD
 Method: \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122080	0.010	-99.9	15.0 <-
3 AROCLOR-1016 (1)	1852618	1945828	0.010	5.0	15.0
(2)	2759209	2837652	0.010	2.8	15.0
(3)	4975691	5118410	0.010	2.9	15.0
(4)	2654696	2720426	0.010	2.5	15.0
(5)	1833962	1891562	0.010	3.1	15.0
8 AROCLOR-1260 (1)	2977706	3105004	0.010	4.3	15.0
(2)	3193457	3356088	0.010	5.1	15.0
(3)	2203376	2284872	0.010	3.7	15.0
(4)	4808395	5070058	0.010	5.4	15.0
(5)	2693756	2834754	0.010	5.2	15.0
\$ 9 DCB	38588264	789840	0.010	-98.0	15.0 <-

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\028B2801.D
 Lab Smp Id: ICV
 Inj Date : 15-MAR-2002 11:08
 Operator : 1808
 Smp Info : ICV
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020315IC-2.b\HP4PCBR.m
 Meth Date : 18-Mar-2002 07:54 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: CANPGCSV02

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	OK-COL (ng)	TARGET RANGE	RATIO

§ 1 TCCK				CAS #: 877-09-8			
2.024	2.024	(0.000)	3052	0.02500	0.00002410		

3 AROCLOR-1016				CAS #: 12674-11-2			
2.403	2.403	(0.000)	972914	0.50000	0.5252	75.00- 125.00	100.00
2.723	2.723	(0.000)	1418826	0.50000	0.5142	109.37- 182.29	145.83
3.095	3.095	(0.000)	2559205	0.50000	0.5143	197.28- 328.81	263.05
3.213	3.213	(0.000)	1360213	0.50000	0.5124	104.86- 174.76	139.81
3.307	3.307	(0.000)	945781	0.50000	0.5157	72.91- 121.51	97.21
Average of Peak Amounts =				0.516			

8 AROCLOR-1260				CAS #: 11096-82-5			
5.245	5.245	(0.000)	1552502	0.50000	0.5214	75.00- 125.00	100.00
6.081	6.081	(0.000)	1678044	0.50000	0.5255	81.06- 135.11	108.09
6.694	6.694	(0.000)	1142436	0.50000	0.5185	55.19- 91.98	73.59
7.114	7.114	(0.000)	2535029	0.50000	0.5272	122.47- 204.11	163.29
7.742	7.742	(0.000)	1417377	0.50000	0.5262	68.47- 114.12	91.30
Average of Peak Amounts =				0.524			

§ 9 DCB				CAS #: 2051-24-3			
10.036	10.036	(0.000)	19746	0.02500	0.0005117		

Data File: \\parran04\dd\chem\GCSS\adhp4.1\020315IC-2.b\02032801.D
Date: 15-Mar-2002 11:08

Client ID:

Sample Info: ICV

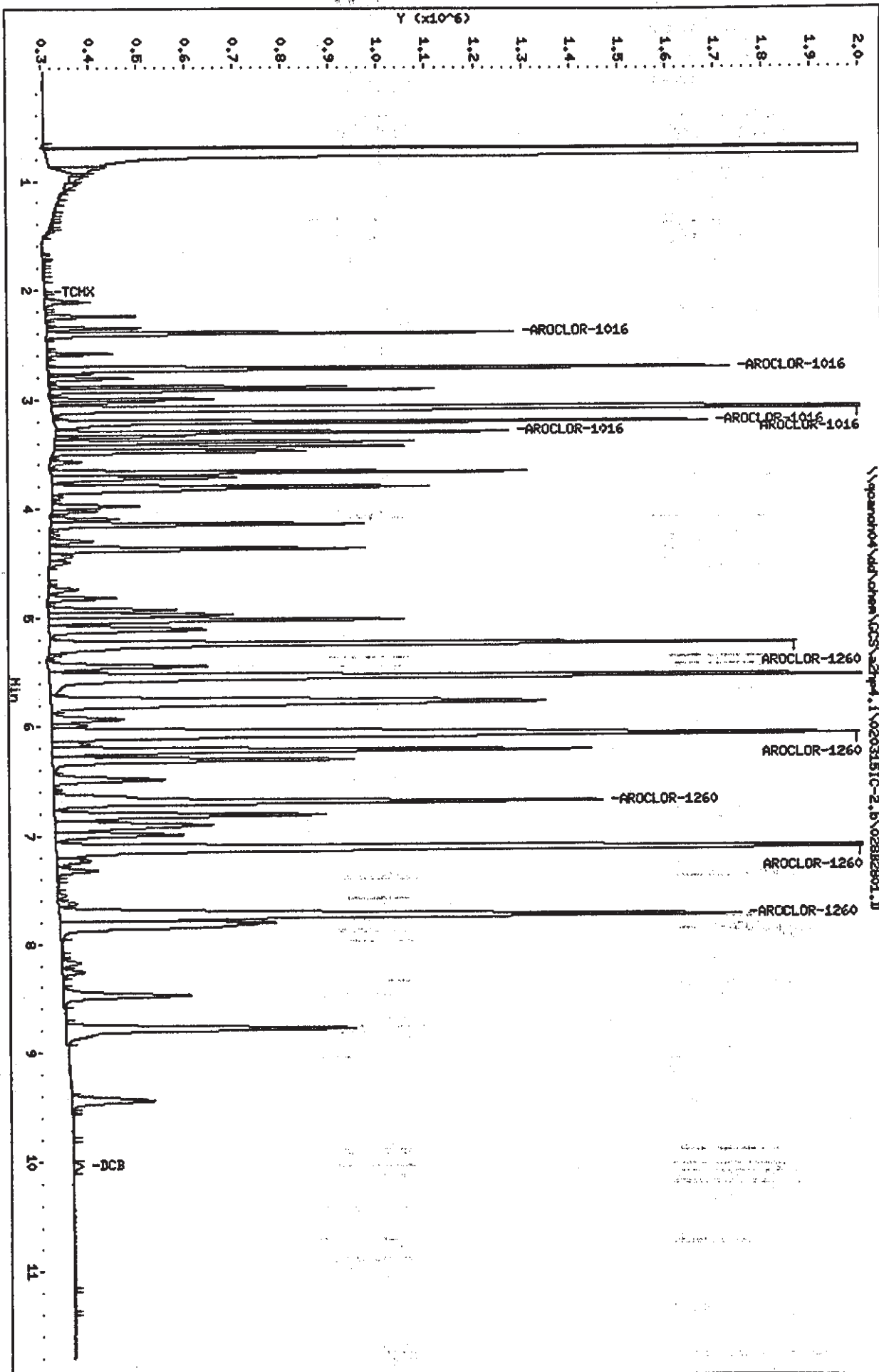
Column phase: restek pest c1p11

Instrument: adhp4.1

Operator: 1908

Column diameter: 0.53

\\parran04\dd\chem\GCSS\adhp4.1\020315IC-2.b\02032801.D



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:
 Lab Code: QESOH Case No.: SAS No.: SDG No.: A2D090104
 GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0
 Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #

01		1232	04/11/02	1609		
02		1242	04/11/02	1626		
03		1248	04/11/02	1642		
04		2154	04/11/02	1659		
05		1660	04/12/02	0253		
06	EXMKNBLK	EXMKN1AA	04/12/02	0701		
07	EXMKNCHK	EXMKN1AC	04/12/02	0719		
08	EXMKNCHKDUP	EXMKN1AD	04/12/02	0735		
09		1660	04/12/02	0752		
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
Start Cal Date: 13-JAN-2002 20:33
End Cal Date : 15-MAR-2002 10:51
Last Cal Level: 5
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

12-APR-2002 10:53	12-AR1660td	066B6601.D
12-APR-2002 07:52	12-AR1660td	055B5501.D
12-APR-2002 02:53	12-AR1660td	037B3701.D
11-APR-2002 22:29	12-AR1660td	021B2101.D
11-APR-2002 17:15	12-AR1660td	006B0601.D
11-APR-2002 16:59	9-AR2154	005B0501.D
11-APR-2002 16:42	3-AR1248	004B0401.D
11-APR-2002 16:26	2-AR1242	003B0301.D
11-APR-2002 16:09	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\002B0201.D
 Report Date: 12-Apr-2002 07:54

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 11-APR-2002 16:09
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

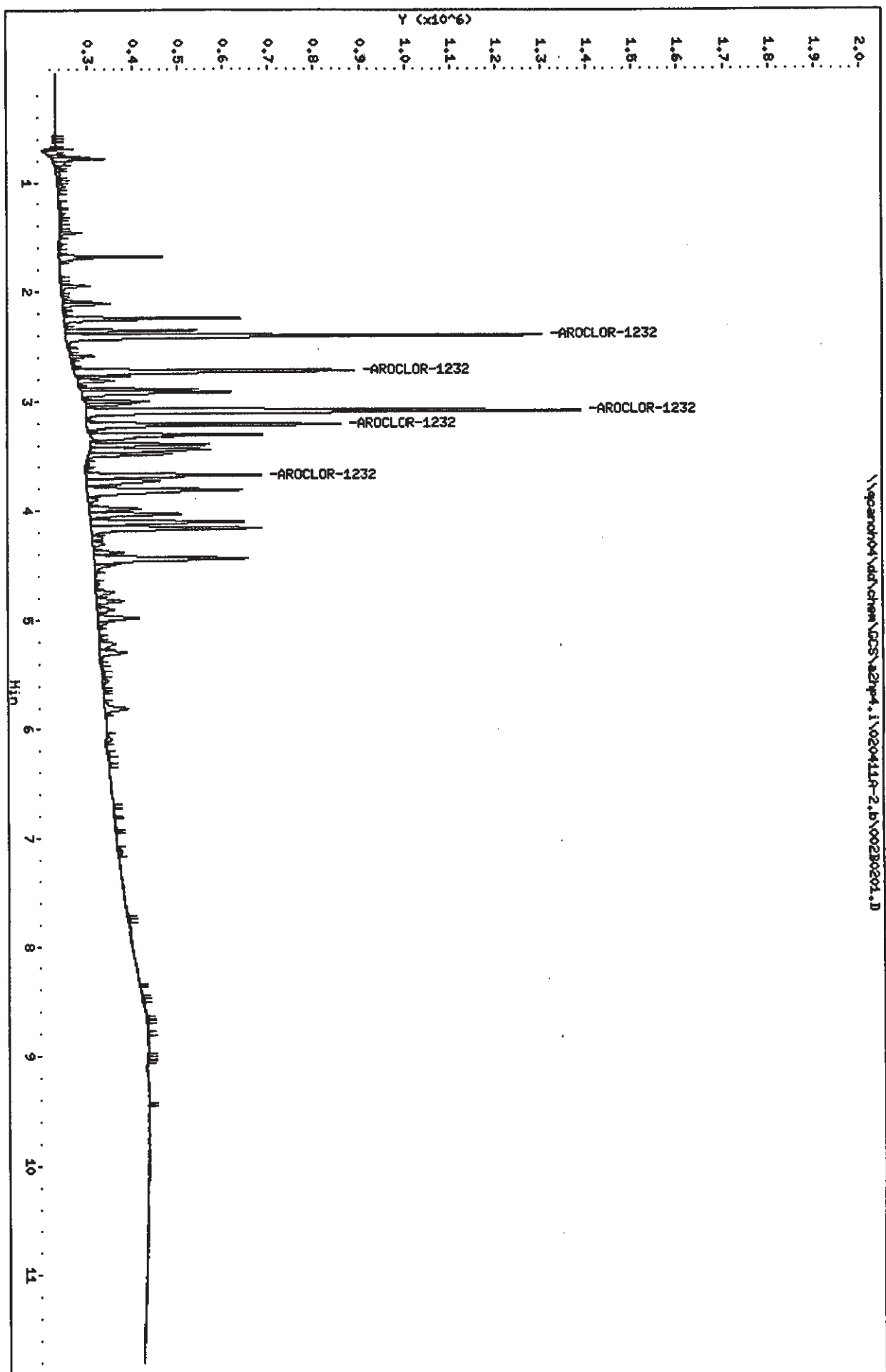
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (ng)		(ng)		TARGET RANGE		RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232					CAS #: 11141-16-5				
2.404	2.404	(0.000)	1047625	0.50000	0.4823	75.00-	125.00	100.00	
2.725	2.725	(0.000)	617375	0.50000	0.4924	44.20-	73.66	58.93	
3.097	3.097	(0.000)	1091450	0.50000	0.5097	78.14-	130.23	104.18	
3.216	3.216	(0.000)	560775	0.50000	0.4794	40.15-	66.91	53.53	
3.676	3.676	(0.000)	386701	0.50000	0.4936	27.68-	46.14	36.91	
Average of Peak Amounts =					0.491				

Data File: \\qpcard04\vd\chem\GCDS\42hp4.1\020411A-2.1b\002B0201.D
Date: 11-APR-2002 16:09
Client ID:
Sample Info: 1232,2
Column phase: restek pest c1p1

Instrument: 42hp4.i
Operator: 1808
Column diameter: 0.53

\\qpcard04\vd\chem\GCDS\42hp4.1\020411A-2.1b\002B0201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\003B0301.D
 Report Date: 12-Apr-2002 07:54

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 11-APR-2002 16:26
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS									
RT	KIP RT	DLT RT	RESPONSE (ng)		ON-COL (ng)	TARGET RANGE		RATIO	
..
5 AROCLOR-1242					CAS #: 53469-21-9				
2.405	2.405	(0.000)	716841	0.50000	0.4467	75.00-	125.00	100.00	
2.726	2.726	(0.000)	1047332	0.50000	0.4668	109.58-	182.63	146.10	
3.099	3.099	(0.000)	2032744	0.50000	0.5066	212.68-	354.46	283.57	
3.217	3.217	(0.000)	1024705	0.50000	0.4743	107.21-	178.68	142.95	
3.676	3.676	(0.000)	771565	0.50000	0.4736	80.73-	134.54	107.63	
Average of Peak Amounts =					0.474				

Data File: \\qpcan04\vd\chem\GC5\azhp4.1\020411a-2.b\00380301.D

Date: 11-09-2002 16:26

Client ID:

Sample Info: 1242,,2

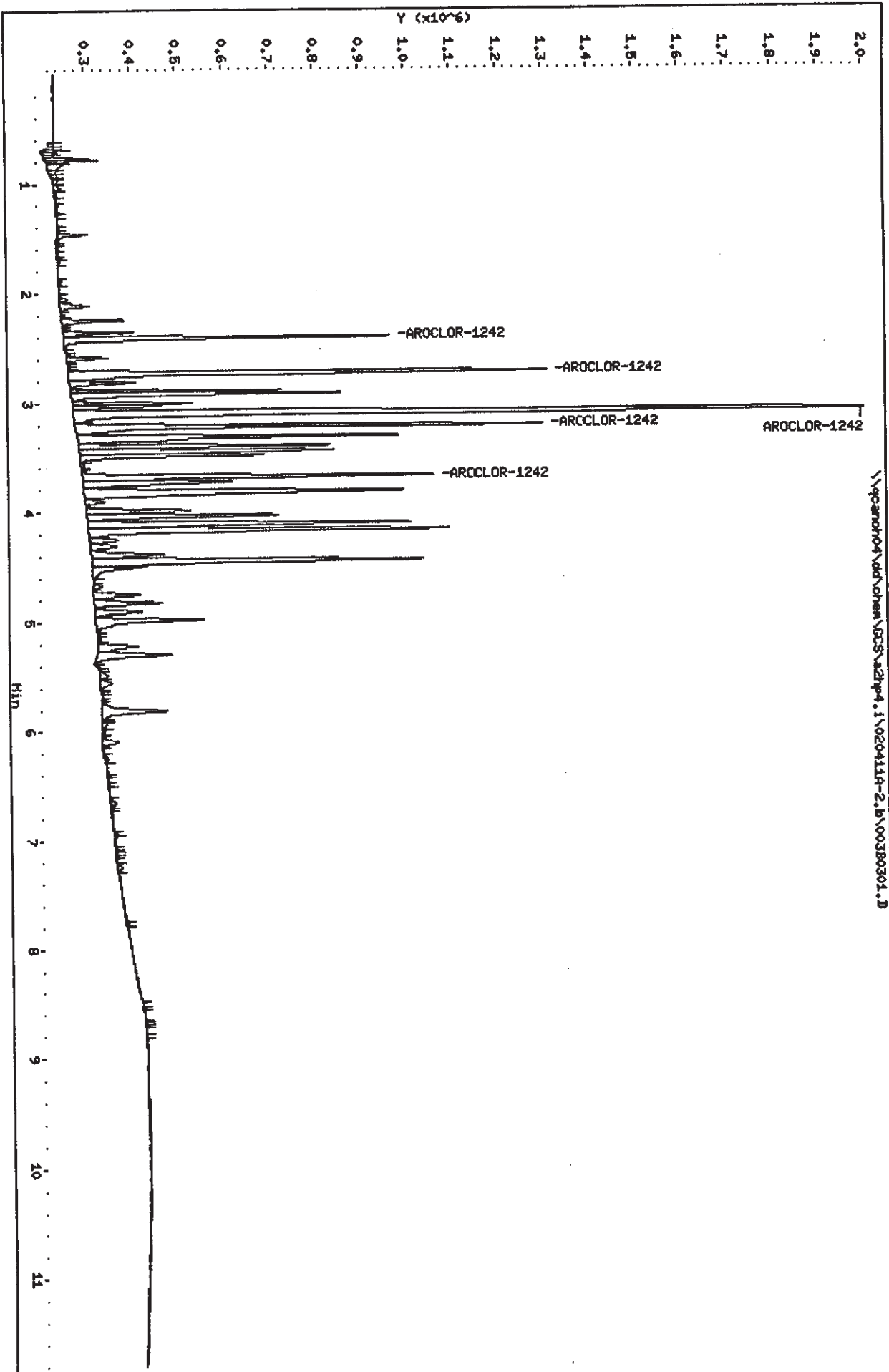
Column phase: restek pest o/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcan04\vd\chem\GC5\azhp4.1\020411a-2.b\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\004B0401.D
 Report Date: 12-Apr-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 11-APR-2002 16:42
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL (ng)	TARGET RANGE	RATIO
**	*****	*****	*****	*****	*****	*****	*****
6 AROCLOR-1248			CAS #: 12672-29-6				
2.725	2.725	(0.000)	606601	0.50000	0.4816	75.00- 125.00	100.00
3.677	3.677	(0.000)	1377877	0.50000	0.4948	170.36- 283.93	227.15
4.106	4.106	(0.000)	1409606	0.50000	0.5107	174.28- 290.47	232.38
4.443	4.443	(0.000)	1261386	0.50000	0.5047	155.96- 259.93	207.94
4.986	4.986	(0.000)	698092	0.50000	0.5047	86.31- 143.85	115.08
Average of Peak Amounts =					0.499		

Data File: \\qpcand04\add\chem\GC5\az2hp4.1\020411R-2.B\004B0401.D

Date: 11-09-2002 16:42

Client ID:

Sample Info: 1248,,2

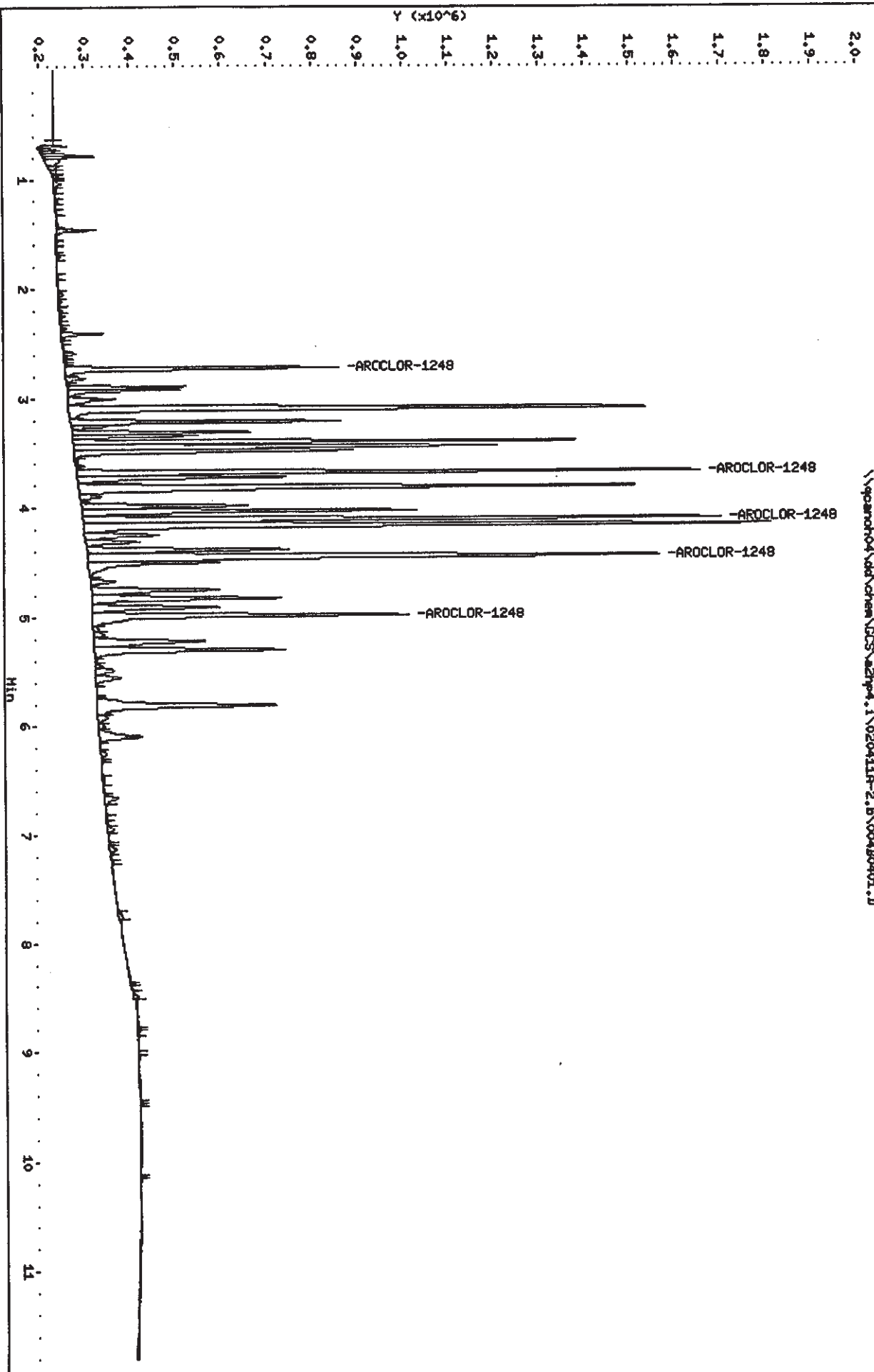
Column Phase: restek pest c1p1

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

\\qpcand04\add\chem\GC5\az2hp4.1\020411R-2.B\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\005B0501.D
 Report Date: 12-Apr-2002 07:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 11-APR-2002 16:59
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254				CAS #: 11097-69-1			
3.399	3.399	(0.000)	857196	0.50000	0.4433	75.00- 125.00	100.00
4.382	4.382	(0.000)	1512571	0.50000	0.4519	132.34- 220.57	176.46
4.985	4.985	(0.000)	2121501	0.50000	0.4546	185.62- 309.37	247.49
5.300	5.300	(0.000)	1309691	0.50000	0.4377	114.59- 190.98	152.79
6.092	6.092	(0.000)	1351132	0.50000	0.4384	118.22- 197.03	157.62
Average of Peak Amounts =					0.445		

2 AROCLOR-1221				CAS #: 11104-28-2			
2.245	2.245	(0.000)	529108	0.50000	0.4129	75.00- 125.00	100.00
2.355	2.355	(0.000)	353724	0.50000	0.4214	50.14- 83.57	66.85
2.405	2.405	(0.000)	1150829	0.50000	0.4189	163.13- 271.88	217.50
Average of Peak Amounts =					0.418		

Data File: \\qcaroch04\add\chem\GCS\az2hp4.i\020411f-2.b\0080501.D

Date: 11-APR-2002 16:59

Client ID:

Sample Info: 2154,,2

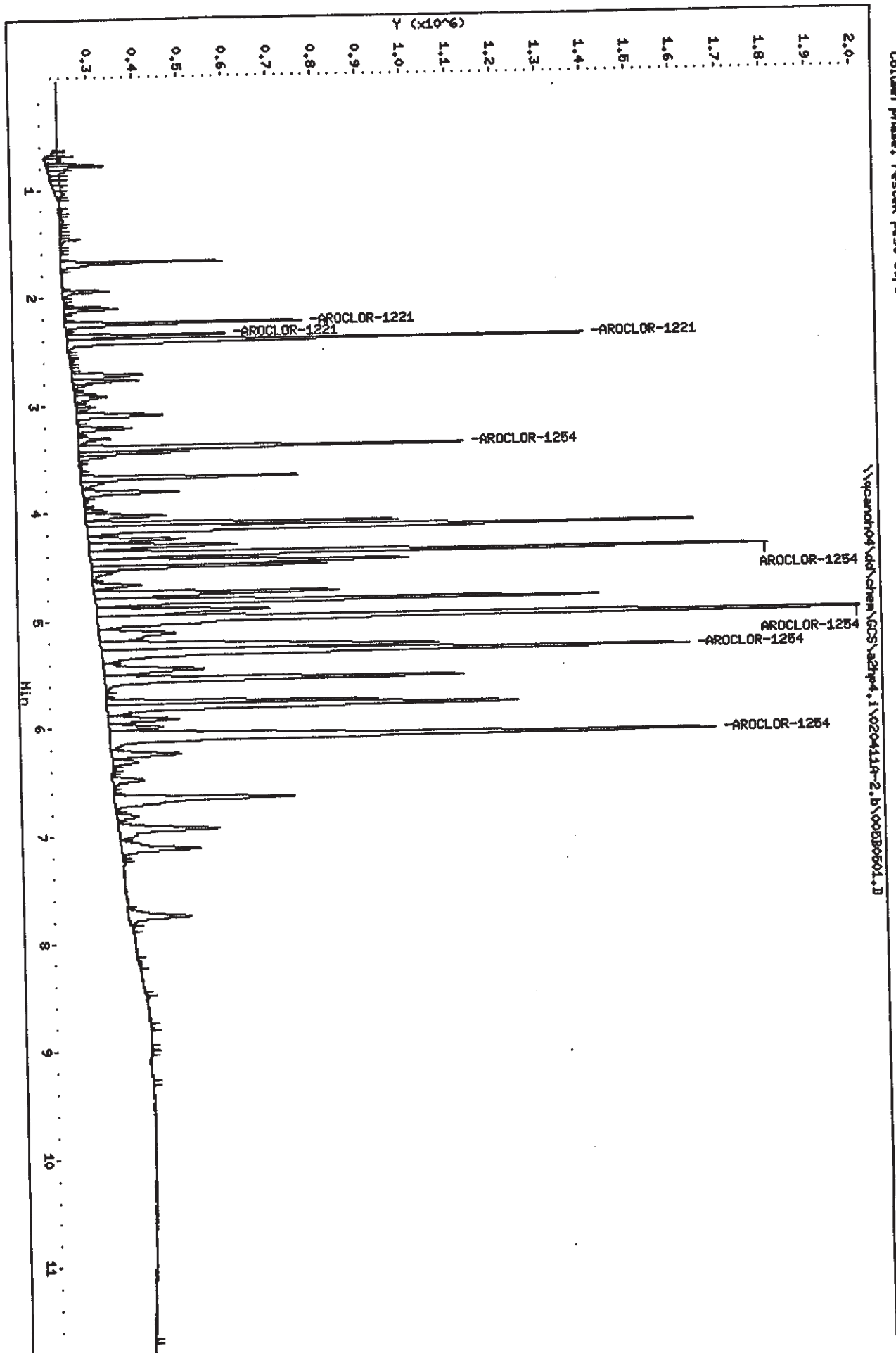
Column phase: restek pest c1p1

Instrument: az2hp4.i

Operator: LB09

Column diameter: 0.53

\\qcaroch04\add\chem\GCS\az2hp4.i\020411f-2.b\0080501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Report Date: 12-Apr-2002 03:06

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 12-APR-2002 02:53
 Lab File ID: 037B3701.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCXK	126620446	115797680	0.010	-8.5	15.0
3 AROCLOR-1016(1)	1852618	1665066	0.010	-10.1	15.0
(2)	2759209	2528004	0.010	-8.4	15.0
(3)	4975691	5140778	0.010	3.3	15.0
(4)	2654696	2575102	0.010	-3.0	15.0
(5)	1833962	1806462	0.010	-1.5	15.0
8 AROCLOR-1260(1)	2977706	3179598	0.010	6.8	15.0
(2)	3193457	3155676	0.010	-1.2	15.0
(3)	2203376	2345918	0.010	6.5	15.0
(4)	4808395	5203590	0.010	8.2	15.0
(5)	2693756	2783518	0.010	3.3	15.0
\$ 9 DCB	38588264	39793840	0.010	3.1	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Report Date: 12-Apr-2002 08:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\037B3701.D
 Lab Smp Id: 1660
 Inj Date : 12-APR-2002 02:53
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 07:53 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
..		
\$ 1 TCMX					CAS #: 877-09-8				
2.026	2.026	(0.000)	2894942	0.02500	0.02286				

3 AROCLOR-1016					CAS #: 12674-11-2				
2.404	2.404	(0.000)	832533	0.50000	0.4494	75.00- 125.00	100.00		
2.726	2.726	(0.000)	1264002	0.50000	0.4581	113.87- 189.78	151.83		
3.099	3.099	(0.000)	2570389	0.50000	0.5166	231.56- 385.93	308.74		
3.217	3.217	(0.000)	1287551	0.50000	0.4850	115.99- 193.32	154.65		
3.312	3.312	(0.000)	903231	0.50000	0.4925	81.37- 135.61	108.49		
Average of Peak Amounts =					0.48				

8 AROCLOR-1260					CAS #: 11096-82-5				
5.252	5.252	(0.000)	1589799	0.50000	0.5339	75.00- 125.00	100.00		
6.091	6.091	(0.000)	1577838	0.50000	0.4941	74.44- 124.06	99.25		
6.702	6.702	(0.000)	1172959	0.50000	0.5323	55.34- 92.23	73.78		
7.124	7.124	(0.000)	2601795	0.50000	0.5411	122.74- 204.57	163.66		
7.751	7.751	(0.000)	1391759	0.50000	0.5167	65.66- 109.43	87.54		
Average of Peak Amounts =					0.524				

\$ 9 DCB					CAS #: 2051-24-3				
10.050	10.050	(0.000)	994846	0.02500	0.02578				

Data File: \\pcan04\dd\chem\CCS\az7pd.1\020411a-2.b\03783701.D

Date : 12-APR-2002 02:53

Client ID:

Sample Info: 1660,,2

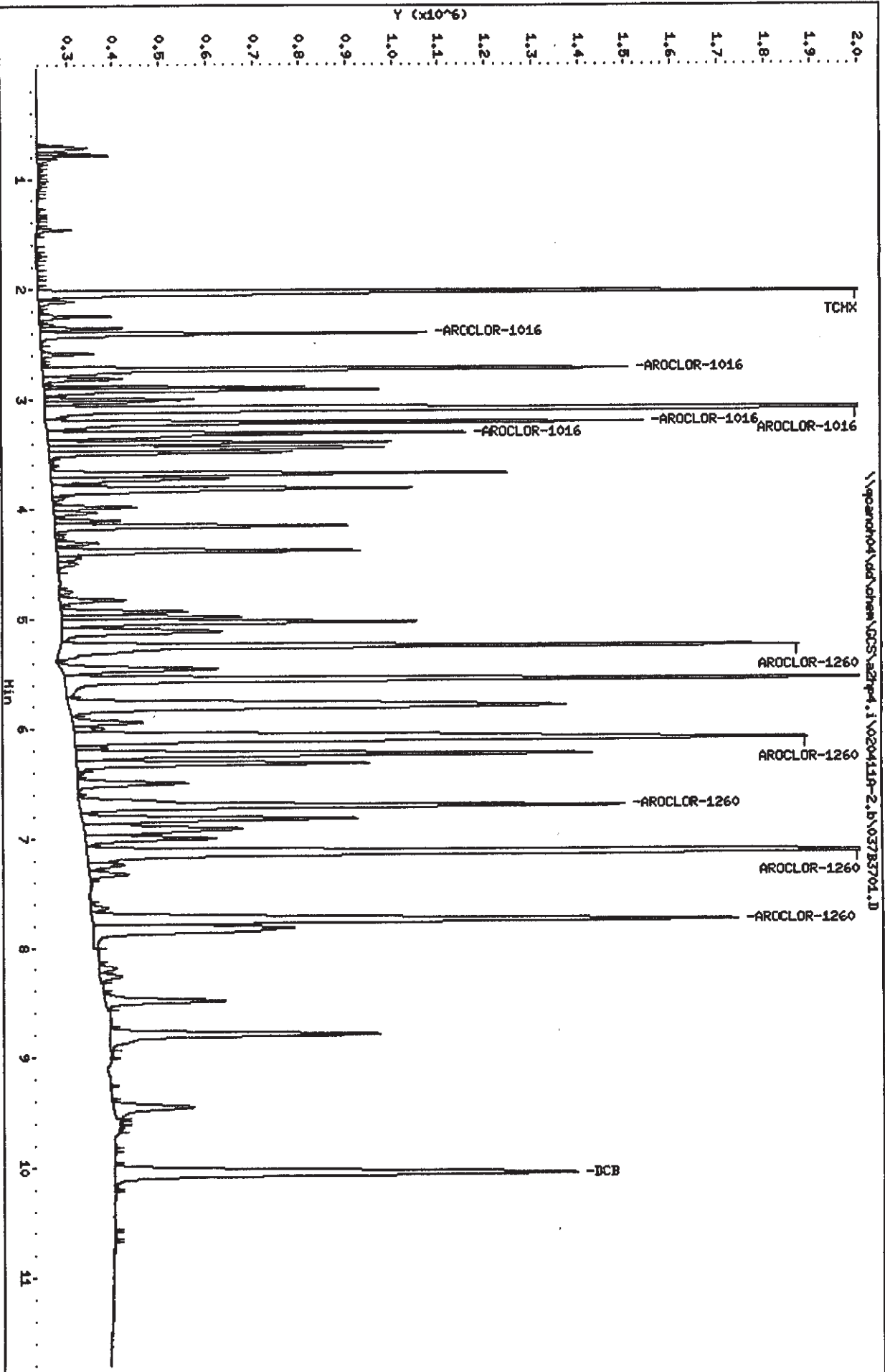
Instrument: az7pd.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1pi

\\pcan04\dd\chem\CCS\az7pd.1\020411a-2.b\03783701.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Report Date: 12-Apr-2002 08:04

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 12-APR-2002 07:52
 Lab File ID: 055B5501.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122370680	0.010	-3.4	15.0
3 AROCLOR-1016 (1)	1852618	1770894	0.010	-4.4	15.0
(2)	2759209	2660888	0.010	-3.6	15.0
(3)	4975691	5077222	0.010	2.0	15.0
(4)	2654696	2573050	0.010	-3.1	15.0
(5)	1833962	1799210	0.010	-1.9	15.0
8 AROCLOR-1260 (1)	2977706	3094886	0.010	3.9	15.0
(2)	3193457	3219564	0.010	0.8	15.0
(3)	2203376	2291492	0.010	4.0	15.0
(4)	4808395	5021298	0.010	4.4	15.0
(5)	2693756	2776924	0.010	3.1	15.0
\$ 9 DCB	38588264	38780240	0.010	0.5	15.0

Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Report Date: 12-Apr-2002 08:04

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\055B5501.D
 Lab Smp Id: 1660
 Inj Date : 12-APR-2002 07:52
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

# 1 TCMX				CAS #: 877-09-8			
2.027	2.027	(0.000)	3059267	0.02500	0.02416		

3 AROCLOR-1016				CAS #: 12674-11-2			
2.406	2.406	(0.000)	885447	0.50000	0.4779	75.00- 125.00	100.00
2.727	2.727	(0.000)	1330444	0.50000	0.4822	112.69- 187.82	150.26
3.100	3.100	(0.000)	2538611	0.50000	0.5102	215.03- 358.38	286.70
3.218	3.218	(0.000)	1286525	0.50000	0.4846	108.97- 181.62	145.30
3.314	3.314	(0.000)	899605	0.50000	0.4905	76.20- 127.00	101.60
Average of Peak Amounts =					0.489		

# 8 AROCLOR-1260				CAS #: 11096-82-5			
5.254	5.254	(0.000)	1547443	0.50000	0.5197	75.00- 125.00	100.00
6.092	6.092	(0.000)	1609782	0.50000	0.5041	78.02- 130.04	104.03
6.705	6.705	(0.000)	1145746	0.50000	0.5200	55.53- 92.55	74.04
7.127	7.127	(0.000)	2510649	0.50000	0.5221	121.68- 202.81	162.25
7.755	7.755	(0.000)	1388462	0.50000	0.5154	67.29- 112.16	89.73
Average of Peak Amounts =					0.516		

# 9 DCB				CAS #: 2051-24-3			
10.056	10.056	(0.000)	969506	0.02500	0.02512		

Data File: \\QCRNH04\DU\chem\GC5\azhp4.1\020411A-2.b\0585501.D

Date: 12-09-2002 07:52

Client ID:

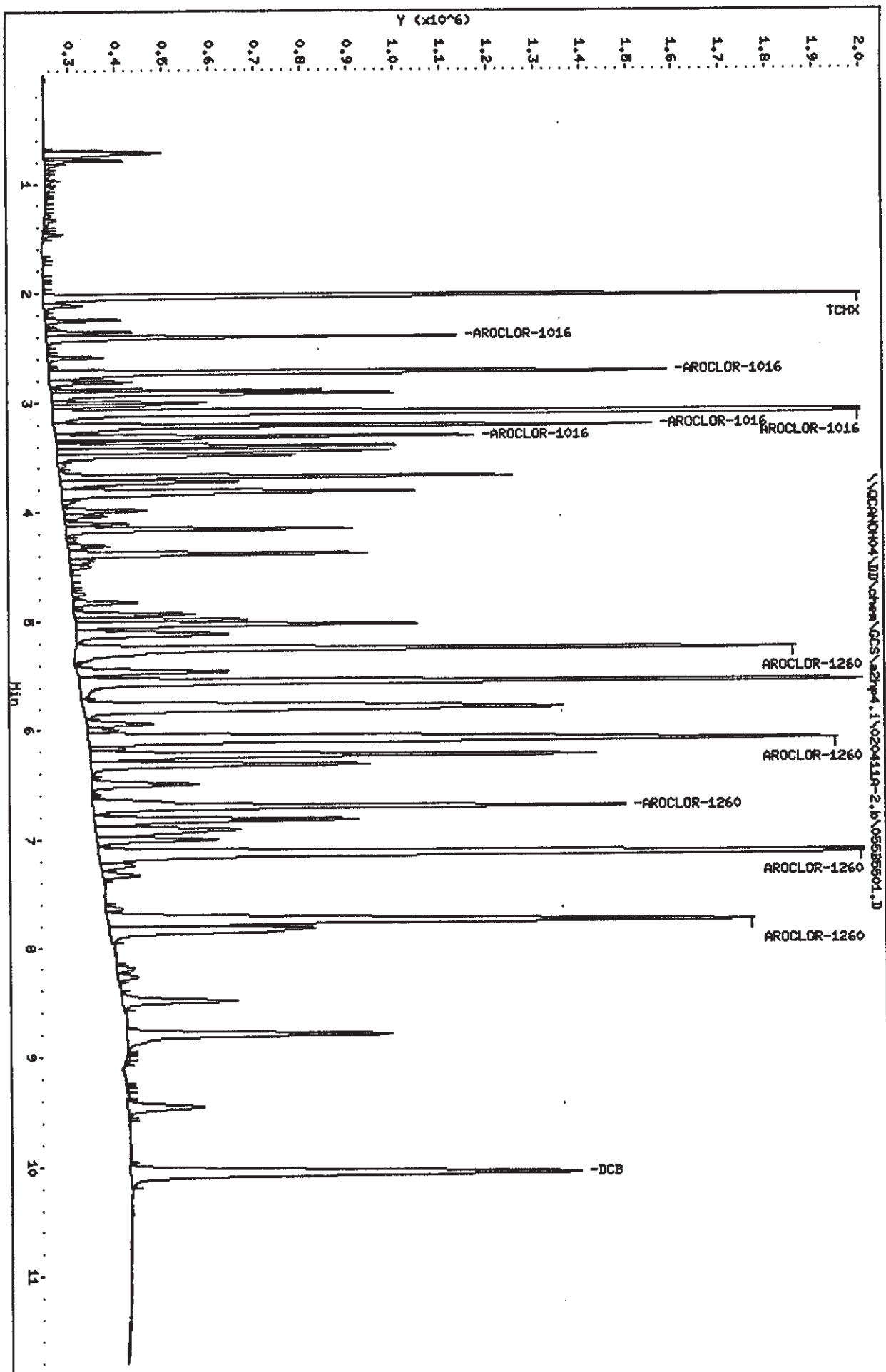
Sample Info: 1660,2

Column phase: restek pest alpi

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090104

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	1232	04/12/02	1334		
02	1242	04/12/02	1351		
03	1248	04/12/02	1407		
04	2154	04/12/02	1424		
05	1660	04/13/02	1510		
06	SW-00-040802 EXKK61AA	04/13/02	1543		
07	EXMKMBLK EXMKM1AA	04/13/02	1600		
08	EXMKMCHK EXMKM1AC	04/13/02	1616		
09	EXMKMCKDUP EXMKM1AD	04/13/02	1633		
10	1660	04/13/02	1649		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

13-APR-2002 16:49	12-AR1660td	098B9801.D
13-APR-2002 15:10	12-AR1660td	092B9201.D
13-APR-2002 10:12	12-AR1660td	074B7401.D
13-APR-2002 05:15	12-AR1660td	056B5601.D
13-APR-2002 00:51	12-AR1660td	040B4001.D
12-APR-2002 20:11	12-AR1660td	024B2401.D
12-APR-2002 14:40	12-AR1660td	006B0601.D
12-APR-2002 14:24	9-AR2154	005B0501.D
12-APR-2002 14:07	3-AR1248	004B0401.D
12-APR-2002 13:51	2-AR1242	003B0301.D
12-APR-2002 13:34	1-AR1232	002B0201.D

Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\002B0201.D
 Report Date: 12-Apr-2002 13:46

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 12-APR-2002 13:34
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 13:46 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO		
--	-----	-----	-----	-----	-----	-----	-----	-----	
4 AROCLOR-1232				CAS #: 11141-16-5					
2.405	2.405	(0.000)	964870	0.50000	0.4442	75.00- 125.00	100.00		
2.726	2.726	(0.000)	573607	0.50000	0.4575	44.59- 74.31	59.45		
3.097	3.097	(0.000)	1049295	0.50000	0.4900	81.56- 135.94	108.75		
3.216	3.216	(0.000)	546922	0.50000	0.4676	42.51- 70.85	56.68		
3.676	3.676	(0.000)	381018	0.50000	0.4863	29.62- 49.36	39.49		
Average of Peak Amounts =				0.469					

Data File: \\qpcan04\add\chem\GCs\ad2hp4.i\020412-2.b\00280201.D

Date: 12-APR-2002 13:34

Client ID:

Sample Info: 1232,2

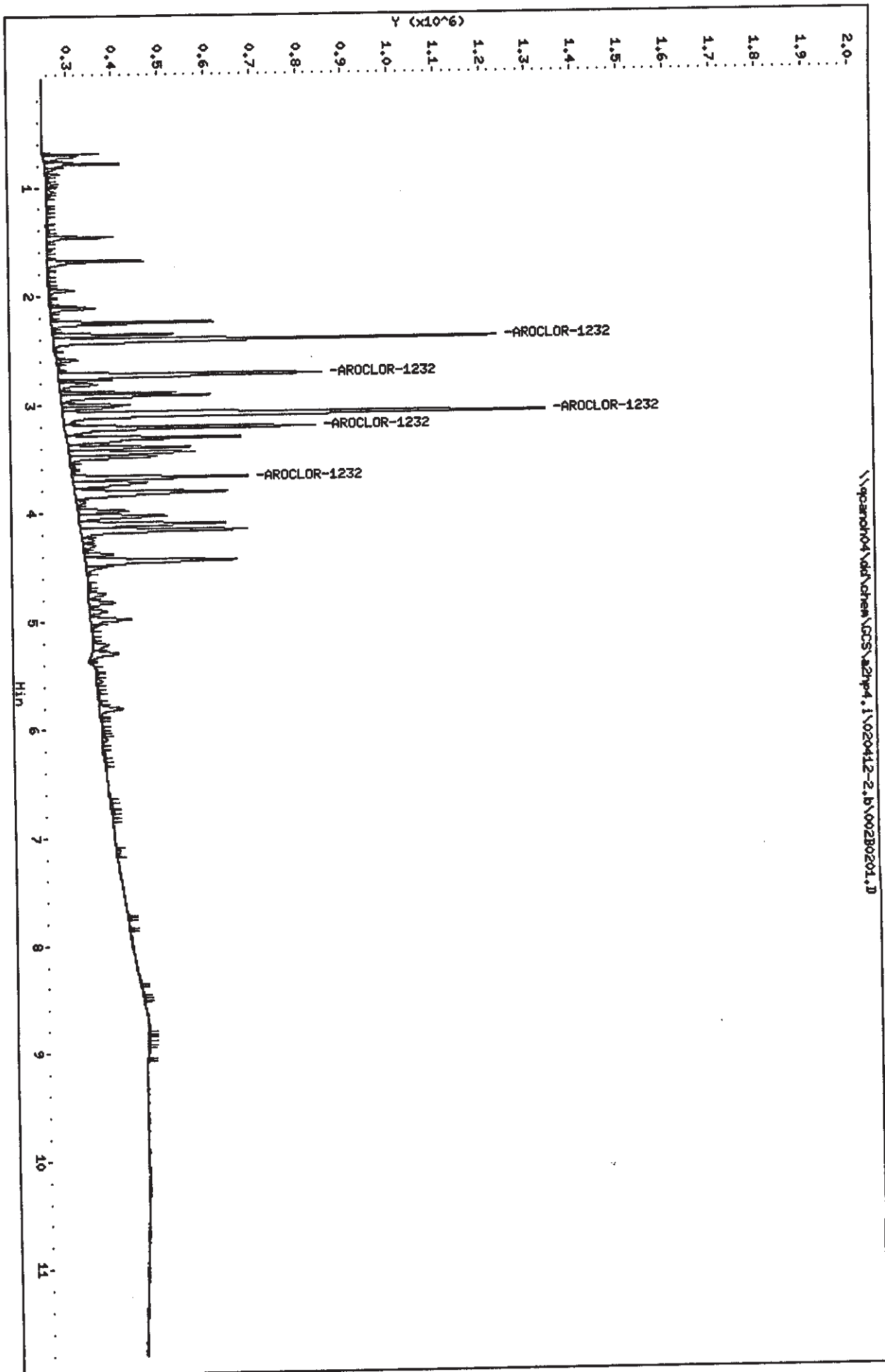
Column phase: restek pest c1p1

Instrument: ad2hp4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\003B0301.D
 Report Date: 12-Apr-2002 14:03

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 12-APR-2002 13:51
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 14:03 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
..	
5 AROCLOR-1242				CAS #: 53469-21-9			
2.405	2.405	(0.000)	710745 0.50000	0.4430	75.00- 125.00	100.00	
2.726	2.726	(0.000)	1036976 0.50000	0.4622	109.42- 182.37	145.90	
3.099	3.099	(0.000)	2024177 0.50000	0.5044	213.60- 356.00	284.80	
3.217	3.217	(0.000)	1028438 0.50000	0.4761	108.52- 180.87	144.70	
3.677	3.677	(0.000)	804569 0.50000	0.4938	84.90- 141.50	113.20	
Average of Peak Amounts =				0.476			

Data File: \\separon04\dd\chem\GCSS\azhp4.1\020412-2.6\003B0301.D

Date: 12-09-2002 13:51

Client ID:

Sample Info: 1242,,2

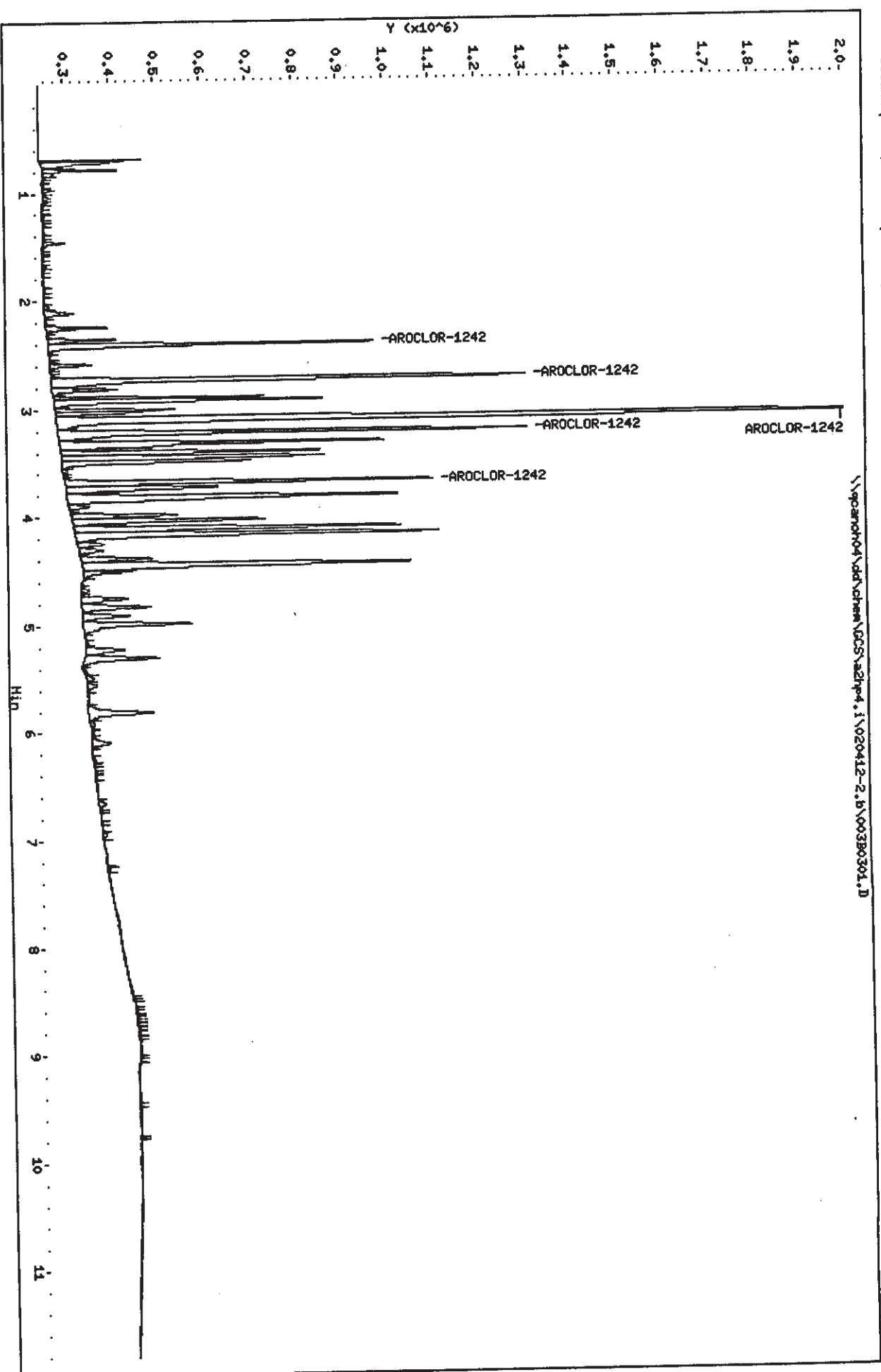
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\separon04\dd\chem\GCSS\azhp4.1\020412-2.6\003B0301.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\004B0401.D
 Report Date: 12-Apr-2002 14:19

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 12-APR-2002 14:07
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 14:19 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst. ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.724	2.724	(0.000)	561344	0.50000	0.4456 75.00- 125.00	100.00
3.676	3.676	(0.000)	1346938	0.50000	0.4837 179.96- 299.94	239.95
4.103	4.103	(0.000)	1357231	0.50000	0.4917 181.34- 302.23	241.78
4.441	4.441	(0.000)	1237269	0.50000	0.4951 165.31- 275.51	220.41
4.983	4.983	(0.000)	695632	0.50000	0.5029 92.94- 154.90	123.92
Average of Peak Amounts =				0.484		

Data File: \\pcan04\dd\chem\GCs\azhp4.1\020412-2.b\004B0401.D
Date: 12-APR-2002 14:07

Client ID:

Sample Info: 1248,2

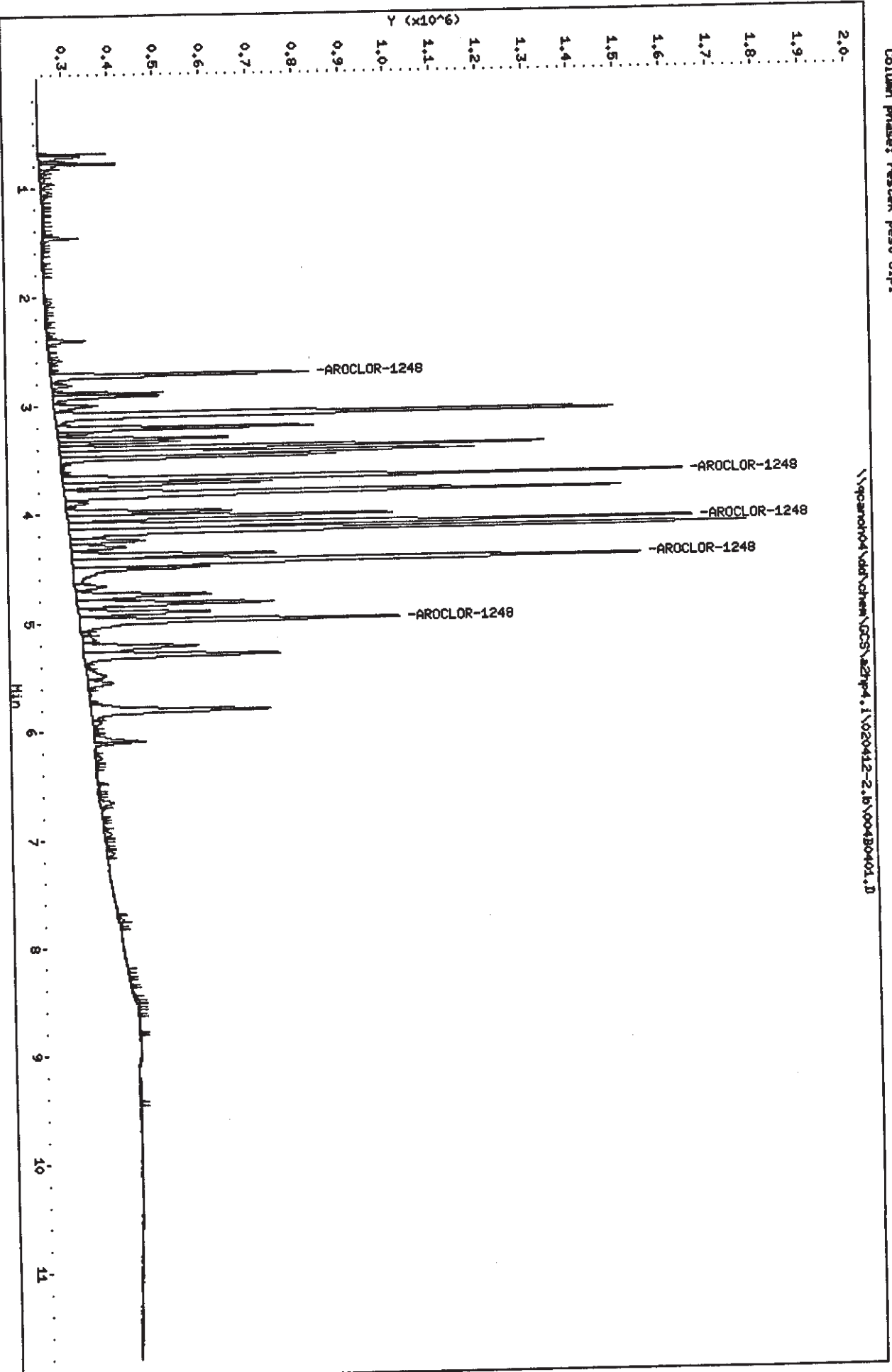
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\005B0501.D
 Report Date: 12-Apr-2002 15:13

STL - North Canton

Data file : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 12-APR-2002 14:24
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 15:12 tapsvc
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.398	3.398	(0.000)	876807 0.50000	0.4534	75.00- 125.00	100.00
4.382	4.382	(0.000)	1549275 0.50000	0.4628	132.52- 220.87	176.70
4.985	4.985	(0.000)	2210965 0.50000	0.4738	189.12- 315.20	252.16
5.300	5.300	(0.000)	1358959 0.50000	0.4542	116.24- 193.74	154.99
6.092	6.092	(0.000)	1490529 0.50000	0.4836	127.50- 212.49	170.00
Average of Peak Amounts =				0.466		

2 AROCLOR-1221			CAS #: 11104-28-2			
2.245	2.245	(0.000)	546686 0.50000	0.4266	75.00- 125.00	100.00
2.356	2.356	(0.000)	366513 0.50000	0.4366	50.28- 83.80	67.04
2.406	2.406	(0.000)	1198727 0.50000	0.4363	164.45- 274.09	219.27
Average of Peak Amounts =				0.433		

Data File: \\pcancho4\dd\chem\GCS\azhp4.1\020412-2.b\00580501.D

Date: 12-09-2002 14:24

Client ID:

Sample Info: 2154, 2

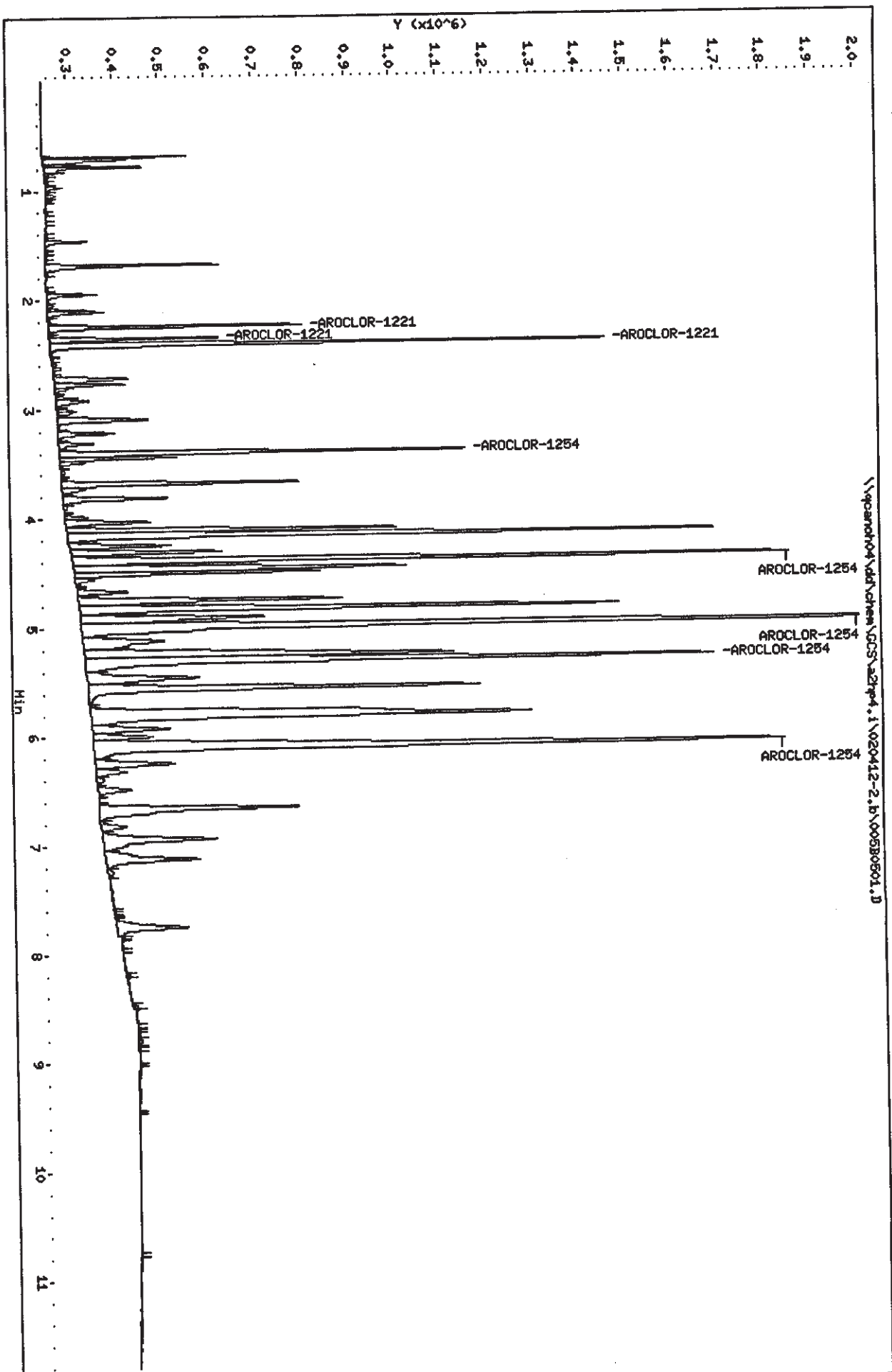
Column phase: restek pest c1pi

Instrument: azhp4.1

Operator: 1908

Column diameter: 0.53

\\pcancho4\dd\chem\GCS\azhp4.1\020412-2.b\00580501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\092B9201.D
 Report Date: 13-Apr-2002 15:22

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 13-APR-2002 15:10
 Lab File ID: 092B9201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCX	126620446	121494640	0.010	-4.0	15.0
3 AROCLOR-1016 (1)	1852618	1772340	0.010	-4.3	15.0
(2)	2759209	2659618	0.010	-3.6	15.0
(3)	4975691	5016526	0.010	0.8	15.0
(4)	2654696	2608318	0.010	-1.7	15.0
(5)	1833962	1846942	0.010	0.7	15.0
8 AROCLOR-1260 (1)	2977706	3037582	0.010	2.0	15.0
(2)	3193457	3278228	0.010	2.7	15.0
(3)	2203376	2300752	0.010	4.4	15.0
(4)	4808395	5105106	0.010	6.2	15.0
(5)	2693756	2884070	0.010	7.1	15.0
\$ 9 DCB	38588264	39364240	0.010	2.0	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\092B9201.D
 Lab Smp Id: 1660
 Inj Date : 13-APR-2002 15:10
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
§ 1 TCMX CAS #: 877-09-8									
2.025	2.025	(0.000)		3037366	0.02500	0.02399			

3 AROCLOR-1016 CAS #: 12674-11-2									
2.404	2.404	(-0.000)		886170	0.50000	0.4783	75.00- 125.00	100.00	
2.725	2.726	(-0.001)		1329809	0.50000	0.4820	113.88- 189.79	150.06	
3.096	3.098	(-0.002)		2508263	0.50000	0.5041	218.52- 364.20	283.05	
3.216	3.217	(-0.001)		1304159	0.50000	0.4913	113.09- 188.49	147.17	
3.311	3.312	(-0.001)		923471	0.50000	0.5035	78.92- 131.53	104.21	
Average of Peak Amounts =						0.492			

8 AROCLOR-1260 CAS #: 11096-82-5									
5.250	5.251	(-0.001)		1518791	0.50000	0.5100	75.00- 125.00	100.00	
6.088	6.089	(-0.001)		1639114	0.50000	0.5133	79.59- 132.65	107.92	
6.700	6.701	(-0.001)		1150376	0.50000	0.5221	57.22- 95.37	75.74	
7.121	7.122	(-0.001)		2552553	0.50000	0.5308	126.31- 210.52	168.06	
7.748	7.750	(-0.002)		1442035	0.50000	0.5353	70.89- 118.16	94.95	
Average of Peak Amounts =						0.522			

§ 9 DCB CAS #: 2051-24-3									
10.048	10.047	(0.001)		984106	0.02500	0.02550			

Data File: \\qapan04\add\chem\DCS\azhp4.1\020412-2.b\09289201.D

Date: 13-SEP-2002 16:10

Client ID:

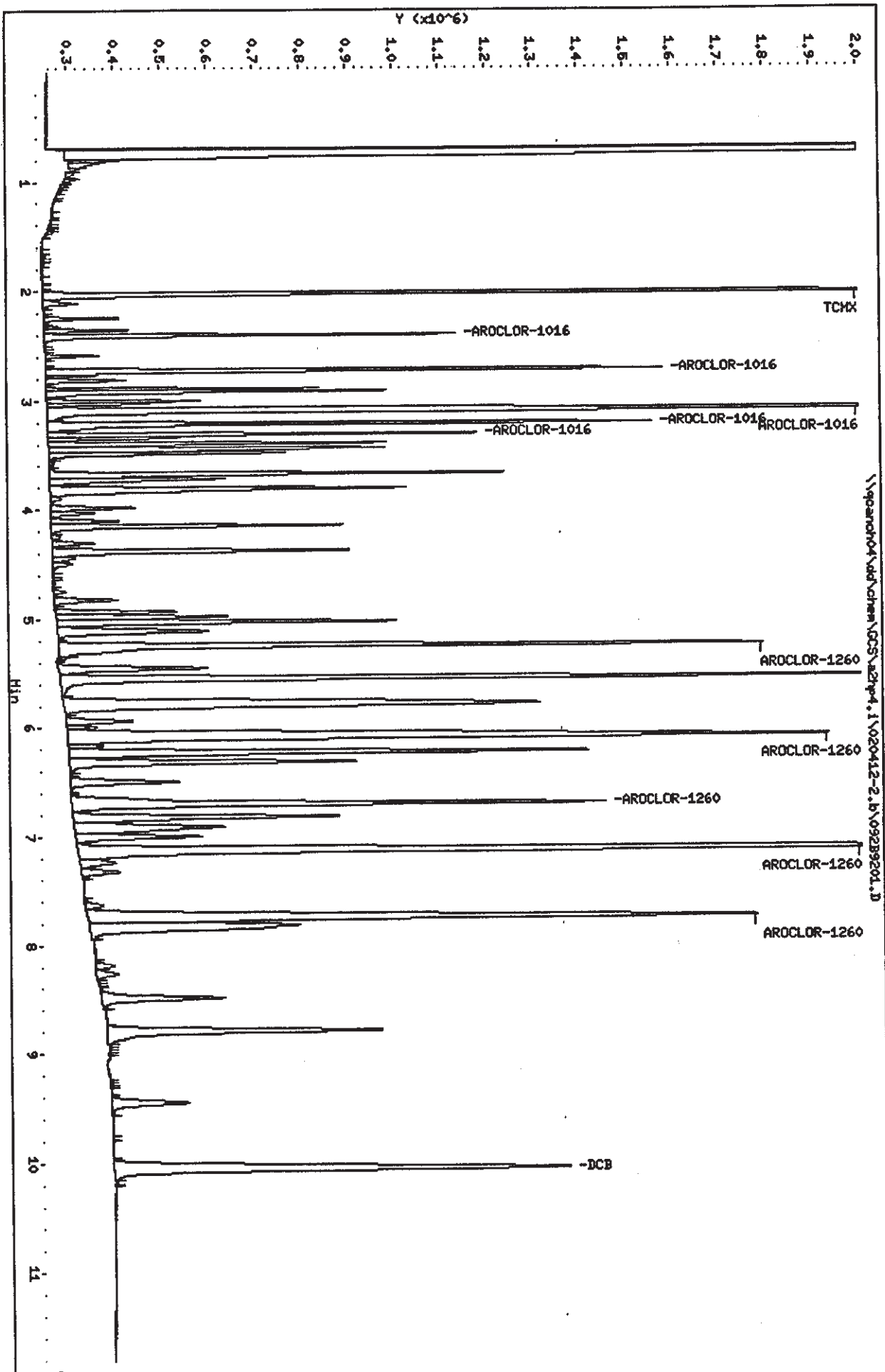
Sample Info: 1660,,2

Column phase: restek pest c/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Report Date: 13-Apr-2002 17:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 13-APR-2002 16:49
 Lab File ID: 098B9801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN	RRF	%D	MAX
\$ 1 TCNK	126620446	116660920	0.010	-7.9	15.0	
3 AROCLOR-1016(1)	1852618	1710696	0.010	-7.7	15.0	
(2)	2759209	2597410	0.010	-5.9	15.0	
(3)	4975691	4984336	0.010	0.2	15.0	
(4)	2654696	2579604	0.010	-2.8	15.0	
(5)	1833962	1800068	0.010	-1.8	15.0	
8 AROCLOR-1260(1)	2977706	3089570	0.010	3.8	15.0	
(2)	3193457	3278664	0.010	2.7	15.0	
(3)	2203376	2357320	0.010	7.0	15.0	
(4)	4808395	5203232	0.010	8.2	15.0	
(5)	2693756	2920462	0.010	8.4	15.0	
\$ 9 DCB	38588264	40326080	0.010	4.5	15.0	

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Report Date: 15-Apr-2002 09:53

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\098B9801.D
 Lab Smp Id: 1660
 Inj Date : 13-APR-2002 16:49
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
# 1 TCMI			CAS #: 877-09-8			
2.025	2.025	(0.000)	2916523	0.02500	0.02303	
3 AROCLOR-1016			CAS #: 12674-11-2			
2.404	2.404	(0.000)	855348	0.50000	0.4617 75.00- 125.00	100.00
2.726	2.726	(0.000)	1298705	0.50000	0.4707 113.88- 189.79	151.83
3.098	3.098	(0.000)	2492168	0.50000	0.5009 218.52- 364.20	291.36
3.217	3.217	(0.000)	1289802	0.50000	0.4858 113.09- 188.49	150.79
3.312	3.312	(0.000)	900034	0.50000	0.4908 78.92- 131.53	105.22
Average of Peak Amounts =				0.482		
8 AROCLOR-1260			CAS #: 11096-82-5			
5.251	5.251	(0.000)	1544785	0.50000	0.5188 75.00- 125.00	100.00
6.089	6.089	(0.000)	1639332	0.50000	0.5133 79.59- 132.65	106.12
6.701	6.701	(0.000)	1178660	0.50000	0.5349 57.22- 95.37	76.30
7.122	7.122	(0.000)	2601616	0.50000	0.5410 126.31- 210.52	168.41
7.750	7.750	(0.000)	1460231	0.50000	0.5421 70.89- 118.16	94.53
Average of Peak Amounts =				0.53		
# 9 DCB			CAS #: 2051-24-3			
10.047	10.047	(0.000)	1008152	0.02500	0.02612	

Data File: \\qpcan004\dd\chem\SCS\azhp4.1\020412-2.b\098B9801.D
Date: 13-PR-2002 16:49

Client ID:

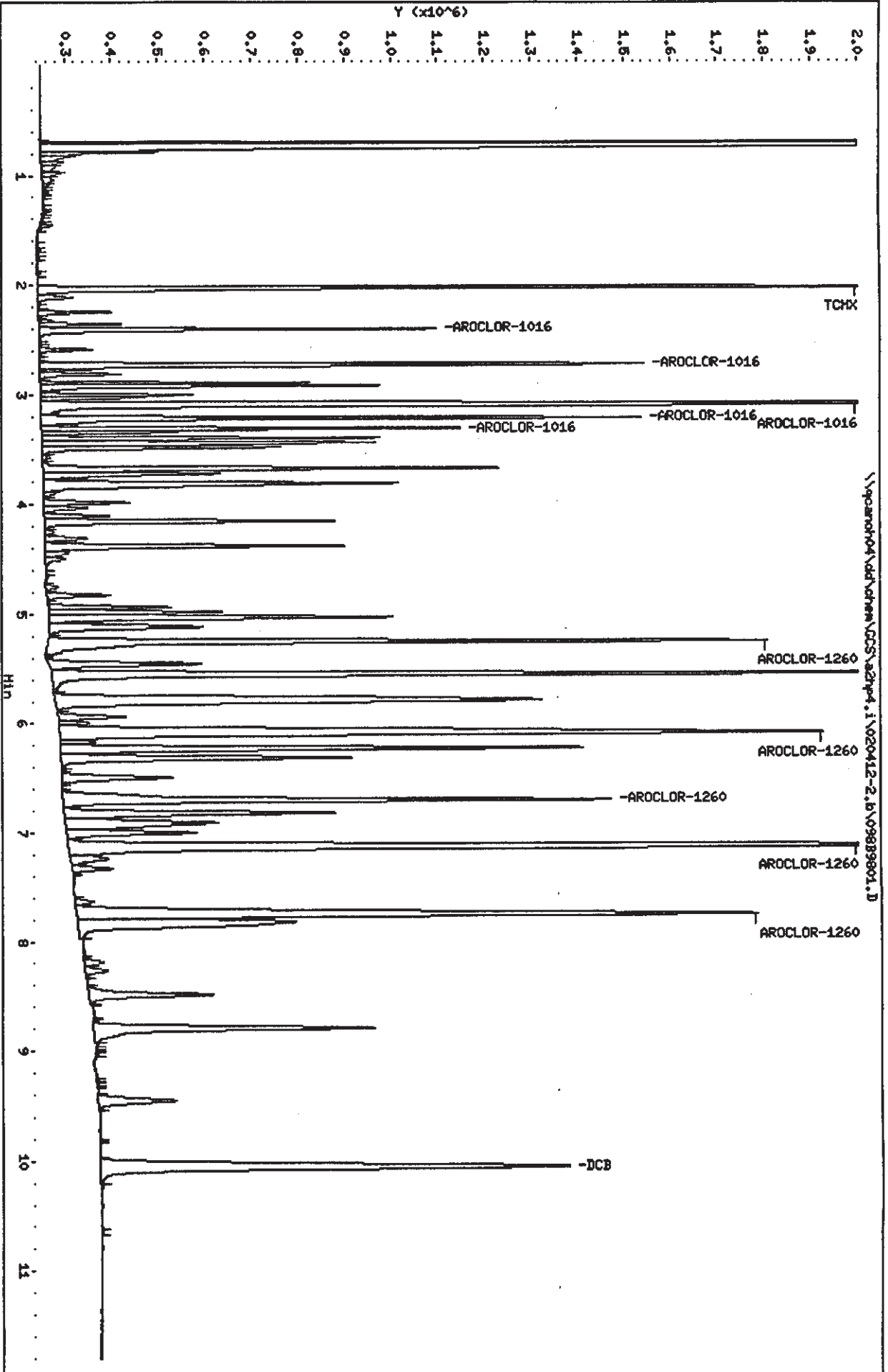
Sample Info: 1660,,2

Column phase: restek pest c1pi

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090104

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/02

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	1232	04/14/02	1135		
02	1242	04/14/02	1151		
03	1248	04/14/02	1208		
04	2154	04/14/02	1224		
05	1660	04/14/02	1241		
06	EXL98BLK	04/14/02	1257		
07	EXL98CHK	04/14/02	1314		
08	1660	04/14/02	1917		
09	1660	04/15/02	0349		
10	SW-00-040802	04/15/02	0601		
11	1660	04/15/02	0757		
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

QC LIMITS

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

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

15-APR-2002 07:57	12-AR1660td	068B6801.D
15-APR-2002 03:49	12-AR1660td	053B5301.D
14-APR-2002 23:25	12-AR1660td	037B3701.D
14-APR-2002 19:17	12-AR1660td	022B2201.D
14-APR-2002 12:41	12-AR1660td	006B0601.D
14-APR-2002 12:24	9-AR2154	005B0501.D
14-APR-2002 12:08	3-AR1248	004B0401.D
14-APR-2002 11:51	2-AR1242	003B0301.D
14-APR-2002 11:35	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\002B0201.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 14-APR-2002 11:35
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
4 AROCLOR-1232			CAS #: 11141-16-5			
2.404	2.405	(-0.001)	1004229	0.50000	0.4623 75.00- 125.00	100.00
2.724	2.726	(-0.002)	598503	0.50000	0.4773 112.93- 188.21	59.60
3.097	3.099	(-0.002)	1038737	0.50000	0.4851 220.77- 367.95	103.44
3.216	3.217	(-0.001)	546945	0.50000	0.4676 111.52- 185.87	54.46
3.675	3.678	(-0.003)	387016	0.50000	0.4940 84.37- 140.61	38.54
Average of Peak Amounts =			0.477			

Data File: \\qpcandh04\dd\chrom\GC5\27p4.1\020414f-2.b\00280201.D

Date: 14-Apr-2002 11:35

Client ID:

Sample Info: 1232,2

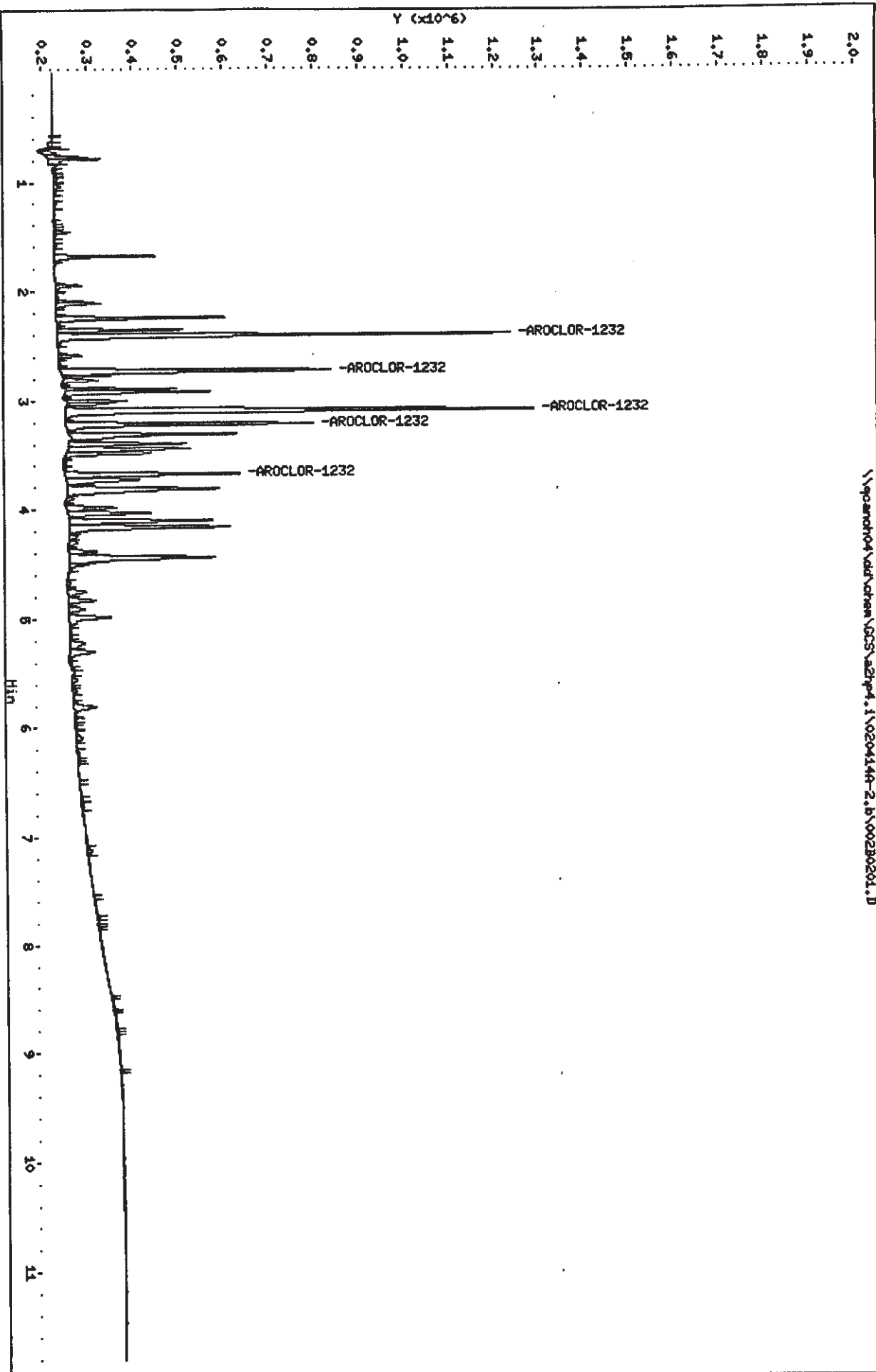
Column phase: restek pest c1p1

Instrument: 27p4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\003B0301.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 14-APR-2002 11:51
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.403	2.405	(-0.002)	762280	0.50000	0.4751 75.00- 125.00	100.00
2.725	2.726	(-0.001)	1077674	0.50000	0.4803 112.93- 188.21	141.38
3.096	3.099	(-0.003)	1969646	0.50000	0.4908 220.77- 367.95	258.39
3.216	3.217	(-0.001)	1029611	0.50000	0.4766 111.52- 185.87	135.07
3.675	3.678	(-0.003)	799839	0.50000	0.4909 84.37- 140.61	104.93
Average of Peak Amounts =				0.483		

Data File: \\gsancho04\dd\chem\GC5\A27p4.1\020414a-2.b\003B0304.D

Date: 14-APR-2002 11:51

Client ID:

Sample Info: 1242, 2

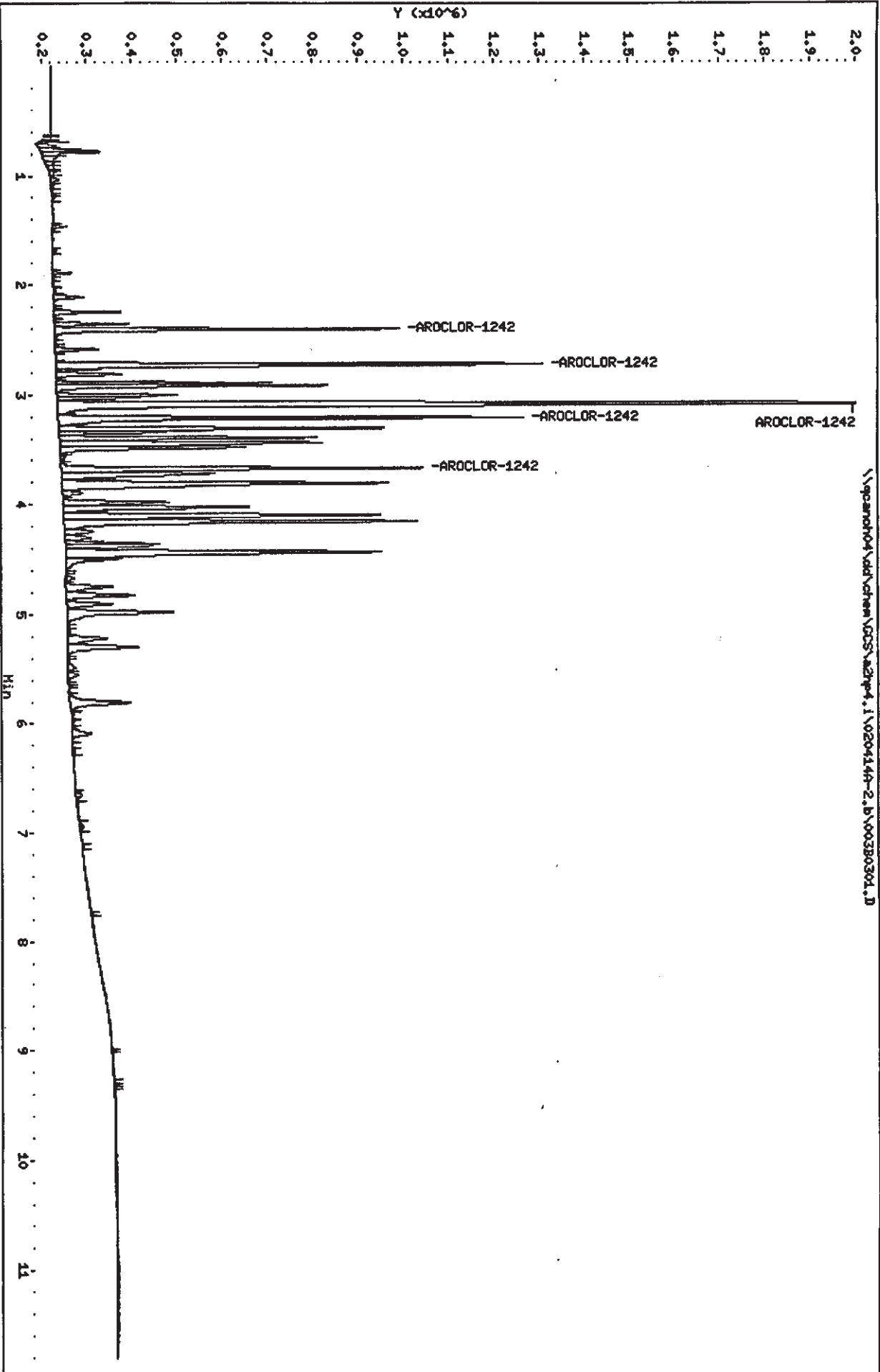
Column phase: restek pest o1p1

Instrument: a27p4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\004B0401.D
 Report Date: 15-Apr-2002 12:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 14-APR-2002 12:08
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.724	2.726	(-0.002)	554801	0.50000	0.4404	75.00- 125.00	100.00
3.676	3.678	(-0.002)	1320489	0.50000	0.4742	56.03- 93.39	238.01
4.103	4.106	(-0.003)	1300710	0.50000	0.4712	8.20- 13.67	234.45
4.441	4.442	(-0.001)	1184631	0.50000	0.4740	2.79- 4.64	213.52
4.983	4.986	(-0.003)	677654	0.50000	0.4899	21.90- 36.51	122.14
Average of Peak Amounts =				0.47			

Data File: \\qpcand04\dd\chem\GCS\azhp4.i\020414A-2.b\004B0401.D

Date: 14-APR-2002 12:08

Client ID:

Sample Info: 1248,,2

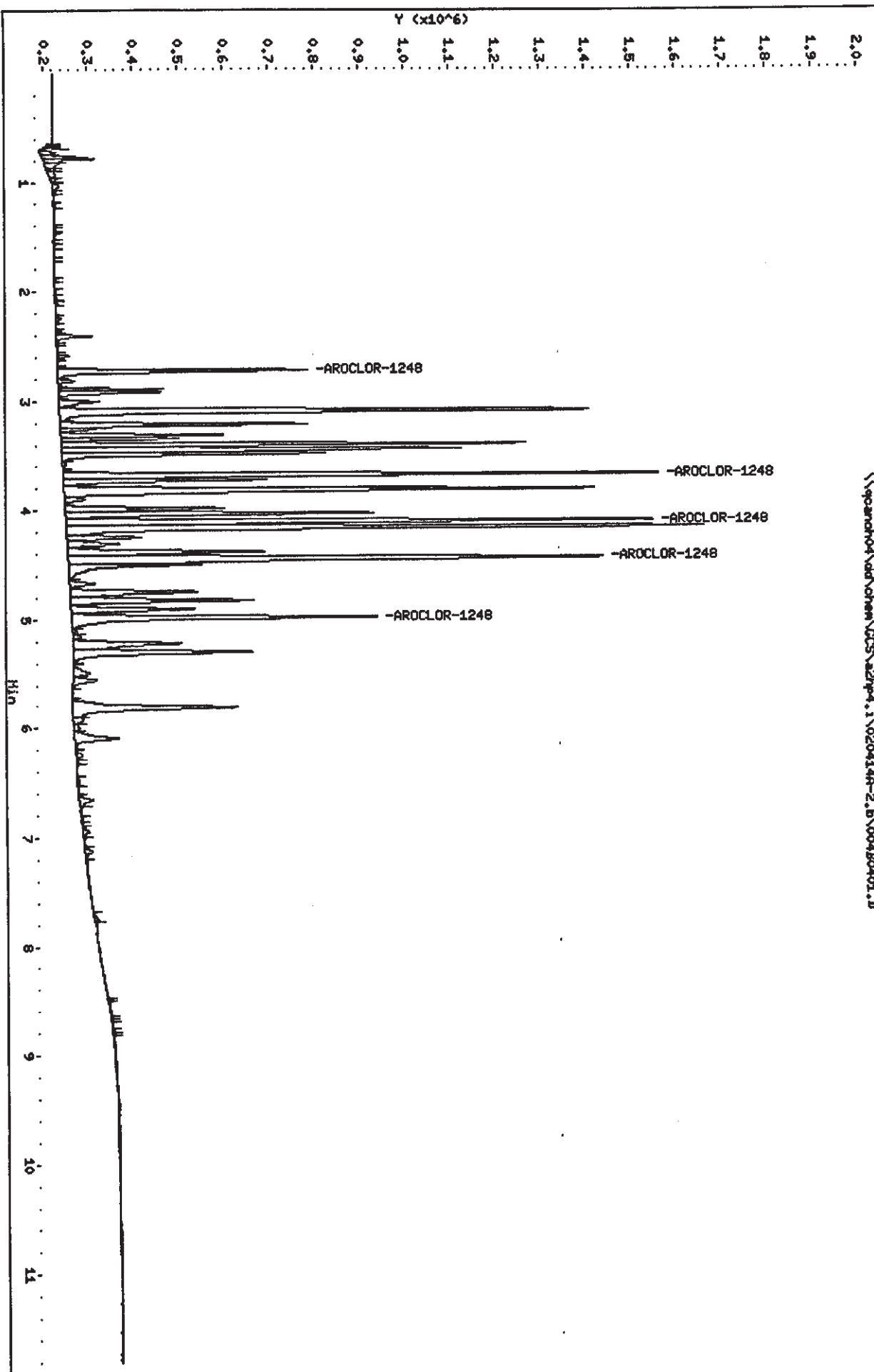
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

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STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 14-APR-2002 12:24
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1				
3.397	3.400	(-0.003)	841383	0.50000	0.4351 75.00- 125.00	100.00	
4.381	4.384	(-0.003)	1480858	0.50000	0.4424 67.19- 111.98	176.00	
4.984	4.986	(-0.002)	2072397	0.50000	0.4441 39.67- 66.11	246.31	
5.299	5.254	(0.045)	1218319	0.50000	0.4072 163.59- 272.65	144.80	
6.092	6.091	(0.001)	1426943	0.50000	0.4630 176.98- 294.97	169.59	
Average of Peak Amounts =			0.438				

2 AROCLOR-1221			CAS #: 11104-28-2				
2.244	2.245	(-0.001)	544861	0.50000	0.4252 75.00- 125.00	100.00	
2.355	2.356	(-0.001)	362446	0.50000	0.4318 82.95- 138.25	66.52	
2.404	2.405	(-0.001)	1177405	0.50000	0.4286 392.70- 654.50	216.09	
Average of Peak Amounts =			0.429				

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Date : 14-APR-2002 12:24

Client ID:

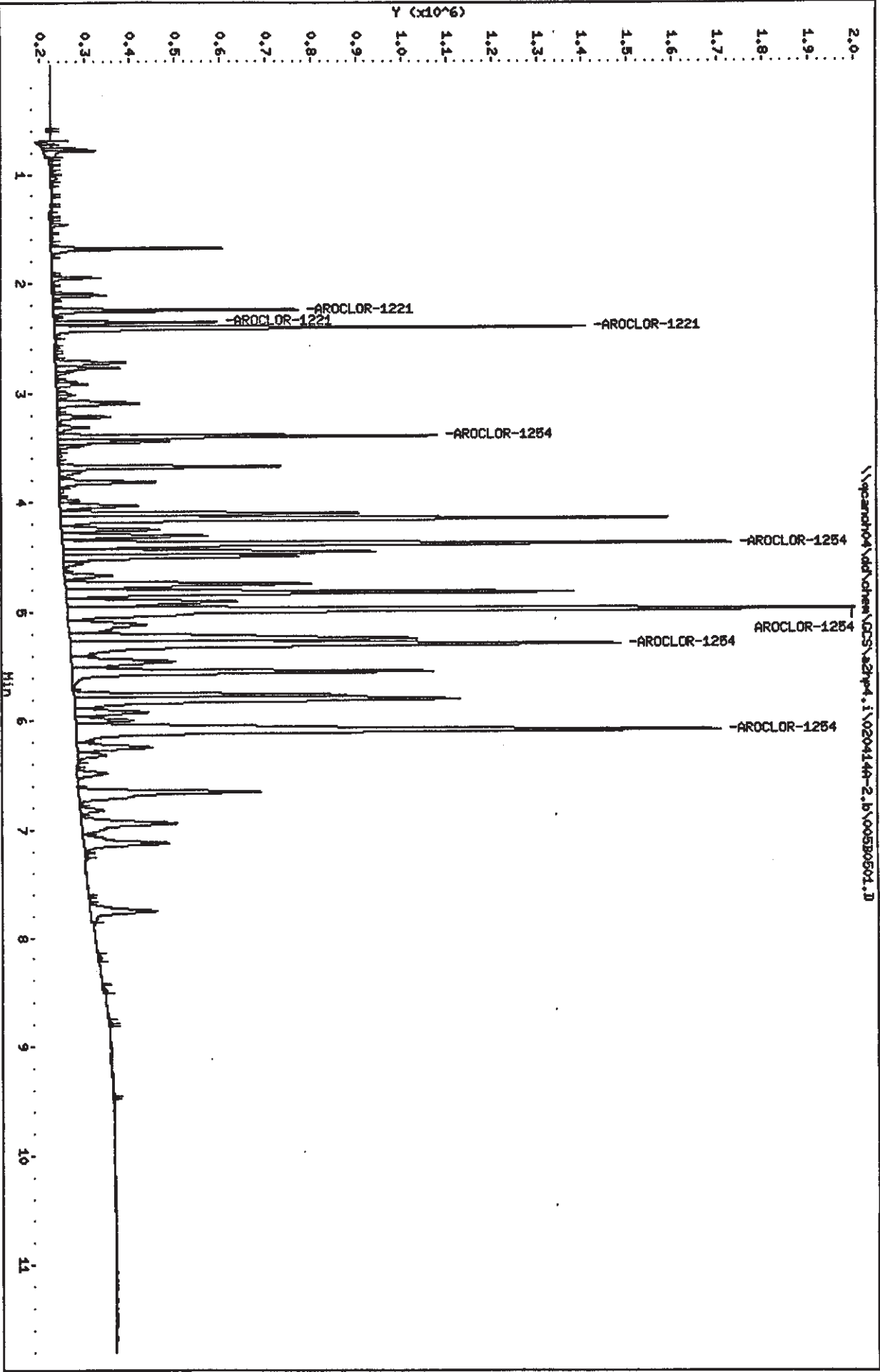
Sample Info: 2154, 2

Column phase: restek pest o1p1

Instrument: 27p4.1

Operator: 1808

Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\006B0601.D
 Report Date: 14-Apr-2002 12:53

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-APR-2002 12:41
 Lab File ID: 006B0601.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	122389240	0.010	-3.3	15.0
3 AROCLOR-1016 (1)	1852618	1766148	0.010	-4.7	15.0
(2)	2759209	2687608	0.010	-2.6	15.0
(3)	4975691	4954136	0.010	-0.4	15.0
(4)	2654696	2574122	0.010	-3.0	15.0
(5)	1833962	1805682	0.010	-1.5	15.0
8 AROCLOR-1260 (1)	2977706	3060296	0.010	2.8	15.0
(2)	3193457	3271622	0.010	2.4	15.0
(3)	2203376	2311156	0.010	4.9	15.0
(4)	4808395	5009744	0.010	4.2	15.0
(5)	2693756	2804202	0.010	4.1	15.0
\$ 9 DCB	38588264	39052480	0.010	1.2	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\006B0601.D
 Lab Smp Id: 1660
 Inj Date : 14-APR-2002 12:41
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1	TCMX				CAS #: 877-09-8	
2.025	2.026	(-0.001)	3059731	0.02500	0.02416	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.404	2.405	(-0.001)	883074	0.50000	0.4767 75.00- 125.00	100.00
2.725	2.726	(-0.001)	1343804	0.50000	0.4870 112.93- 188.21	152.17
3.098	3.099	(-0.001)	2477068	0.50000	0.4978 220.77- 367.95	280.51
3.216	3.217	(-0.001)	1287061	0.50000	0.4848 111.52- 185.87	145.75
3.312	3.313	(-0.001)	902841	0.50000	0.4923 77.82- 129.70	102.24
	Average of Peak Amounts =				0.488	

8	AROCLOR-1260				CAS #: 11096-82-5	
5.251	5.254	(-0.003)	1530148	0.50000	0.5139 75.00- 125.00	100.00
6.090	6.091	(-0.001)	1635811	0.50000	0.5122 81.14- 135.23	106.91
6.701	6.704	(-0.003)	1155578	0.50000	0.5244 56.96- 94.94	75.52
7.123	7.126	(-0.003)	2504872	0.50000	0.5209 127.60- 212.67	163.70
7.749	7.751	(-0.002)	1402101	0.50000	0.5205 69.63- 116.05	91.63
	Average of Peak Amounts =				0.518	

\$ 9	DCB				CAS #: 2051-24-3	
10.047	10.052	(-0.005)	976312	0.02500	0.02530	

Data File: \\qpcan004\vd\chem\CCS\azhp4.1\020414a-2.b\006B0601.D
Date: 14-APR-2002 12:44

Client ID:

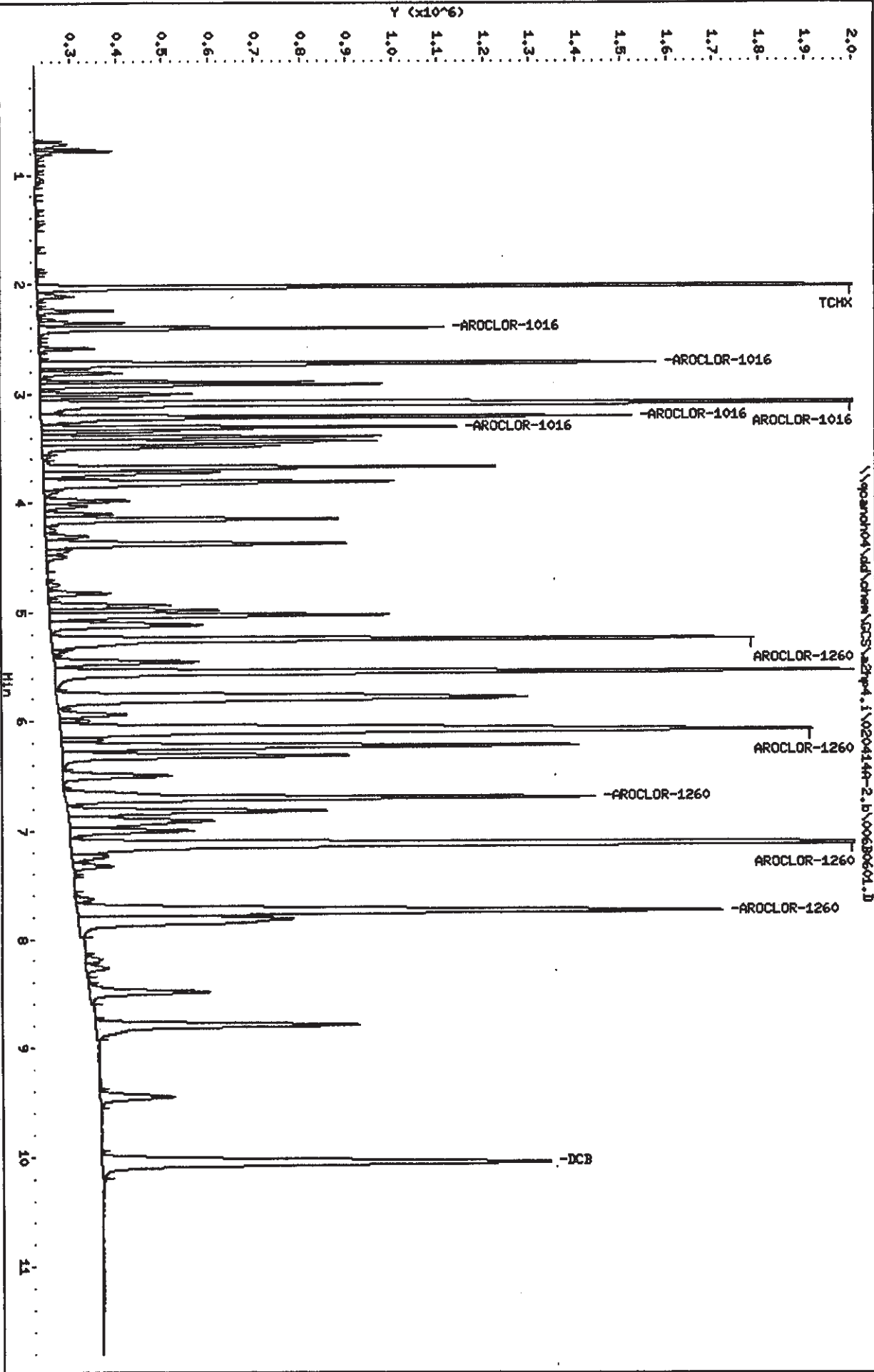
Sample Inrf: 1660, 2

Column phase: restek pest oilp1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\022B2201.D
 Report Date: 14-Apr-2002 19:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-APR-2002 19:17
 Lab File ID: 022B2201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	125725360	0.010	-0.7	15.0
3 AROCLOR-1016(1)	1852618	1829540	0.010	-1.2	15.0
(2)	2759209	2732716	0.010	-1.0	15.0
(3)	4975691	5160956	0.010	3.7	15.0
(4)	2654696	2681206	0.010	1.0	15.0
(5)	1833962	1873954	0.010	2.2	15.0
8 AROCLOR-1260(1)	2977706	3110090	0.010	4.4	15.0
(2)	3193457	3310264	0.010	3.7	15.0
(3)	2203376	2404832	0.010	9.1	15.0
(4)	4808395	5313736	0.010	10.5	15.0
(5)	2693756	2969758	0.010	10.2	15.0
\$ 9 DCB	38588264	41157440	0.010	6.7	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\022B2201.D
 Lab Smp Id: 1660
 Inj Date : 14-APR-2002 19:17
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	OW-COL (ng)	TARGET RANGE RATIO

1 TCCK			CAS #: 877-09-8			
2.023	2.026	(-0.003)	3143134	0.02500	0.02482	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.403	2.405	(-0.002)	914770	0.50000	0.4938	75.00- 125.00 100.00
2.724	2.726	(-0.002)	1366358	0.50000	0.4952	112.93- 188.21 149.37
3.096	3.099	(-0.003)	2580478	0.50000	0.5186	220.77- 367.95 282.09
3.214	3.217	(-0.003)	1340603	0.50000	0.5050	111.52- 185.87 146.55
3.310	3.313	(-0.003)	936977	0.50000	0.5109	77.82- 129.70 102.43
Average of Peak Amounts =			0.505			

8 AROCLOR-1260			CAS #: 11096-82-5			
5.249	5.254	(-0.005)	1555045	0.50000	0.5222	75.00- 125.00 100.00
6.087	6.091	(-0.004)	1655132	0.50000	0.5183	81.14- 135.23 106.44
6.699	6.704	(-0.005)	1202416	0.50000	0.5437	56.96- 94.94 77.32
7.121	7.126	(-0.005)	2656868	0.50000	0.5525	127.60- 212.67 170.85
7.748	7.751	(-0.003)	1484879	0.50000	0.5512	69.63- 116.05 95.49
Average of Peak Amounts =			0.538			

9 DCB			CAS #: 2051-24-3			
10.046	10.052	(-0.006)	1028936	0.02500	0.02666	

Data File: \\sparan04\vd\chem\GC5\27p4.1\020414a-2.b\02282201.D
Date : 14-APR-2002 19:17

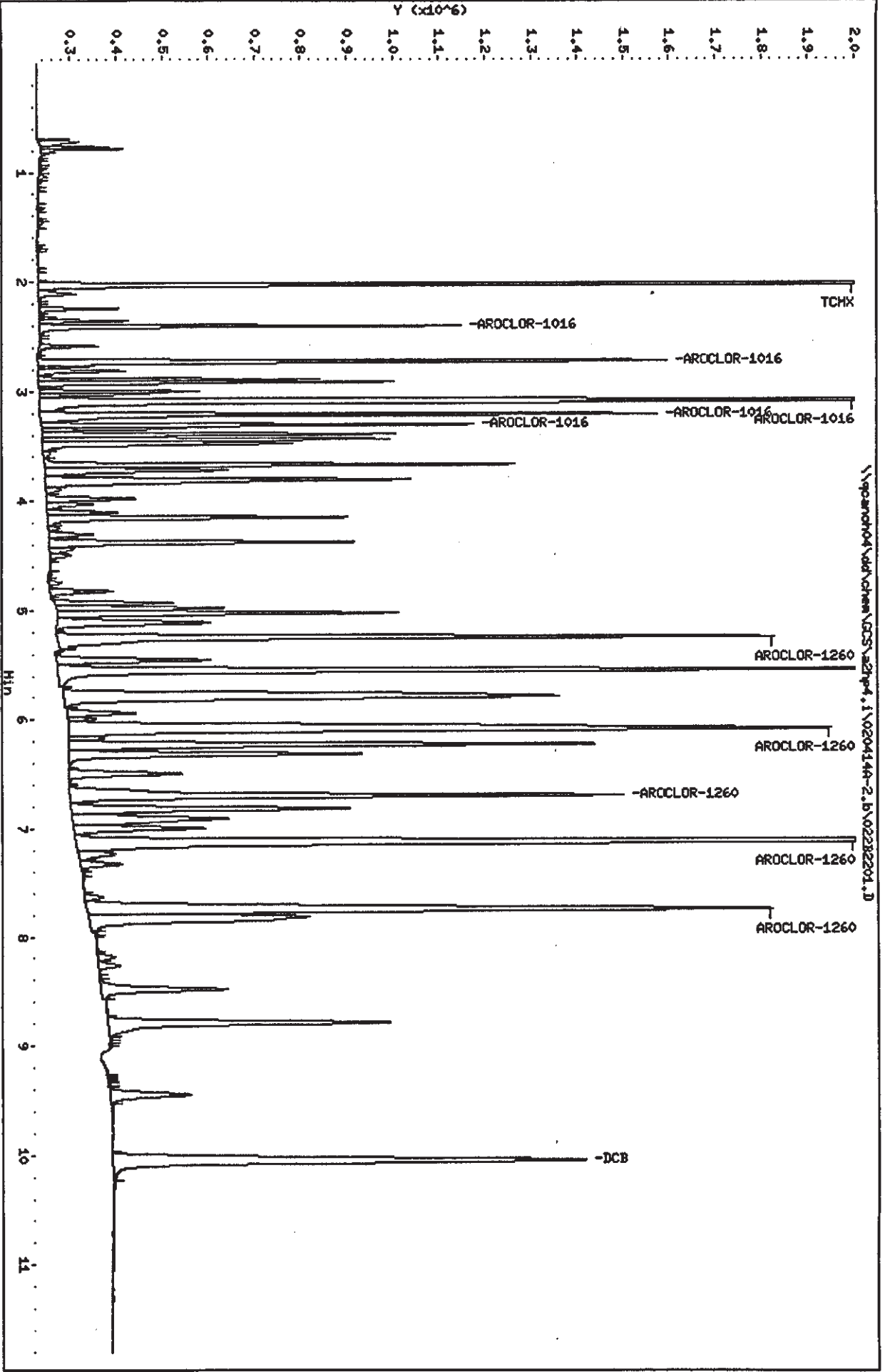
Client ID:

Sample Info: 1660,,2

Column phase: restek pest c/p1

Instrument: 27p4.1

Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\053B5301.D
 Report Date: 15-Apr-2002 04:01

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-APR-2002 03:49
 Lab File ID: 053B5301.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	113595040	0.010	-10.3	15.0
3 AROCLOR-1016 (1)	1852618	1661726	0.010	-10.3	15.0
(2)	2759209	2488288	0.010	-9.8	15.0
(3)	4975691	5014190	0.010	0.8	15.0
(4)	2654696	2524554	0.010	-4.9	15.0
(5)	1833962	1755098	0.010	-4.3	15.0
8 AROCLOR-1260 (1)	2977706	3034648	0.010	1.9	15.0
(2)	3193457	3211792	0.010	0.6	15.0
(3)	2203376	2311624	0.010	4.9	15.0
(4)	4808395	5243606	0.010	9.1	15.0
(5)	2693756	2895578	0.010	7.5	15.0
\$ 9 DCB	38588264	40816920	0.010	5.8	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\053B5301.D
 Lab Smp Id: 1660
 Inj Date : 15-APR-2002 03:49
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
..

\$ 1 TCMX			CAS #: 877-09-8			
2.025	2.026	(-0.001)	2839876	0.02500	0.02243	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.404	2.405	(-0.001)	830863	0.50000	0.4485 75.00- 125.00	100.00
2.725	2.726	(-0.001)	1244144	0.50000	0.4509 112.93- 188.21	149.74
3.098	3.099	(-0.001)	2507095	0.50000	0.5039 220.77- 367.95	301.75
3.216	3.217	(-0.001)	1262277	0.50000	0.4755 111.52- 185.87	151.92
3.311	3.313	(-0.002)	877549	0.50000	0.4785 77.82- 129.70	105.62
Average of Peak Amounts =			0.471			

8 AROCLOR-1260			CAS #: 11096-82-5			
5.251	5.254	(-0.003)	1517324	0.50000	0.5096 75.00- 125.00	100.00
6.090	6.091	(-0.001)	1605896	0.50000	0.5029 81.14- 135.23	105.84
6.702	6.704	(-0.002)	1155812	0.50000	0.5246 56.96- 94.94	76.17
7.123	7.126	(-0.003)	2621803	0.50000	0.5452 127.60- 212.67	172.79
7.751	7.751	(0.000)	1447789	0.50000	0.5375 69.63- 116.05	95.42
Average of Peak Amounts =			0.524			

\$ 9 DCB			CAS #: 2051-24-3			
10.050	10.052	(-0.002)	1020423	0.02500	0.02644	

Data File: \\ppancho4\ad\chem\GCS\az2hp4.i\0204144-2.jp\05385301.D
Date: 15-APR-2002 03:49

Client ID:

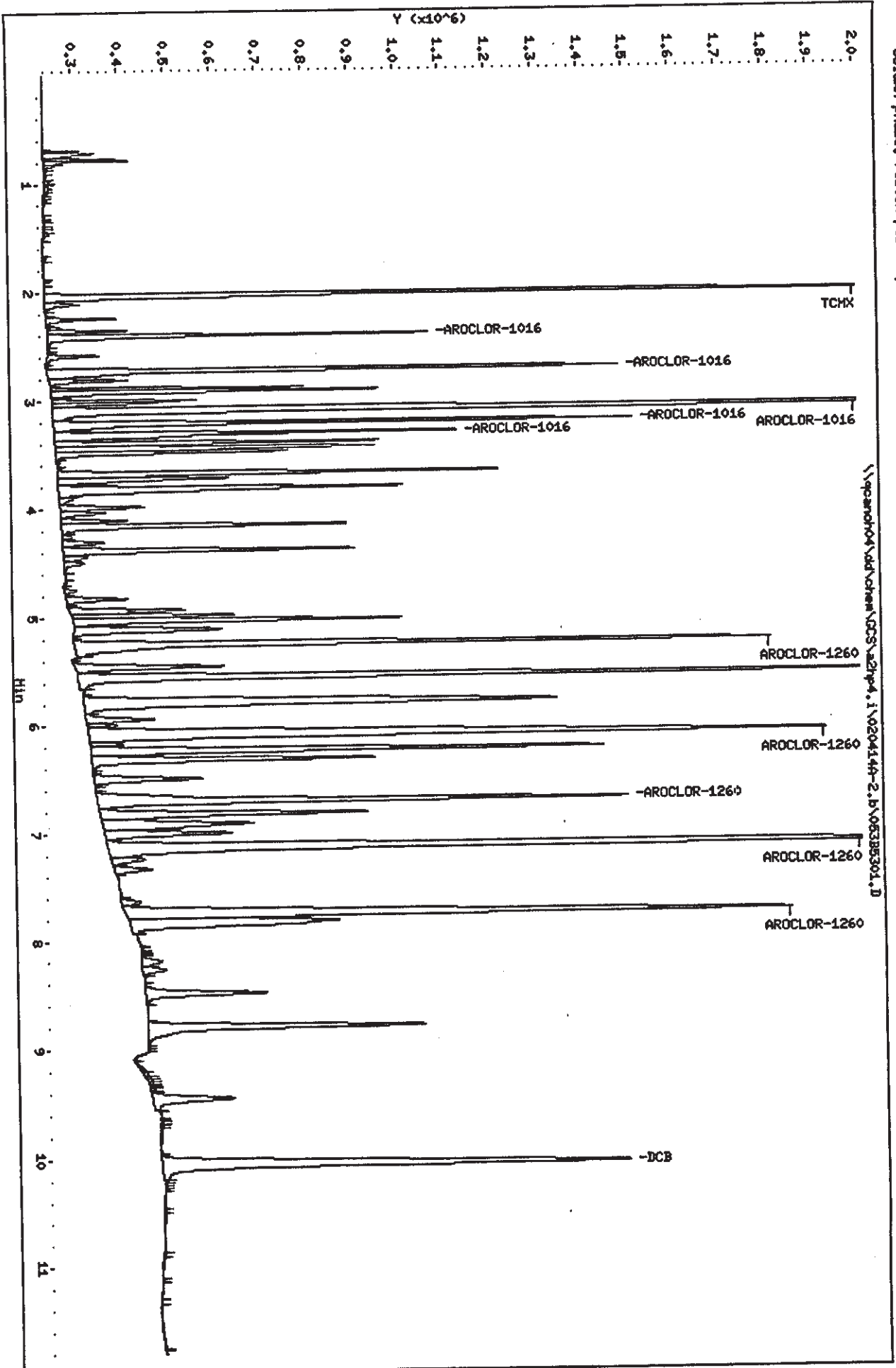
Sample Info: 1660,2

Column phase: restek pest c1p1

Instrument: az2hp4.i

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Report Date: 15-Apr-2002 09:14

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-APR-2002 07:57
 Lab File ID: 068B6801.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	126620446	112160520	0.010	-11.4	15.0
3 AROCLOR-1016 (1)	1852618	1643802	0.010	-11.3	15.0
(2)	2759209	2475046	0.010	-10.3	15.0
(3)	4975691	4838752	0.010	-2.8	15.0
(4)	2654696	2444254	0.010	-7.9	15.0
(5)	1833962	1705640	0.010	-7.0	15.0
8 AROCLOR-1260 (1)	2977706	2981130	0.010	0.1	15.0
(2)	3193457	3225112	0.010	1.0	15.0
(3)	2203376	2264252	0.010	2.8	15.0
(4)	4808395	5072052	0.010	5.5	15.0
(5)	2693756	2767596	0.010	2.7	15.0
\$ 9 DCB	38588264	40178360	0.010	4.1	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Report Date: 15-Apr-2002 12:28

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\068B6801.D
 Lab Smp Id: 1660
 Inj Date : 15-APR-2002 07:57
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 68
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: CANPGCSV02

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----	-----	-----
§ 1 TCMI CAS #: 877-09-8									
2.026	2.026	(0.000)		2804013	0.02500	0.02214			

§ 3 AROCLOR-1016 CAS #: 12674-11-2									
2.405	2.405	(0.000)		821901	0.50000	0.4436	75.00- 125.00	100.00	
2.726	2.726	(0.000)		1237523	0.50000	0.4485	112.93- 188.21	150.57	
3.099	3.099	(0.000)		2419376	0.50000	0.4862	220.77- 367.95	294.36	
3.217	3.217	(0.000)		1222127	0.50000	0.4604	111.52- 185.87	148.70	
3.313	3.313	(0.000)		852820	0.50000	0.4650	77.82- 129.70	103.76	
Average of Peak Amounts =						0.461			

§ 8 AROCLOR-1260 CAS #: 11096-82-5									
5.254	5.254	(0.000)		1490565	0.50000	0.5006	75.00- 125.00	100.00	
6.091	6.091	(0.000)		1612556	0.50000	0.5050	81.14- 135.23	108.18	
6.704	6.704	(0.000)		1132126	0.50000	0.5138	56.96- 94.94	75.95	
7.126	7.126	(0.000)		2536026	0.50000	0.5274	127.60- 212.67	170.14	
7.751	7.751	(0.000)		1383798	0.50000	0.5137	69.63- 116.05	92.84	
Average of Peak Amounts =						0.512			

§ 9 DCB CAS #: 2051-24-3									
10.052	10.052	(0.000)		1004459	0.02500	0.02603			

Data File: \\sparan04\dd\chem\CCS\az7p4.1\020414a-2.b\06886901.D

Date : 15-APR-2002 07:57

Client ID:

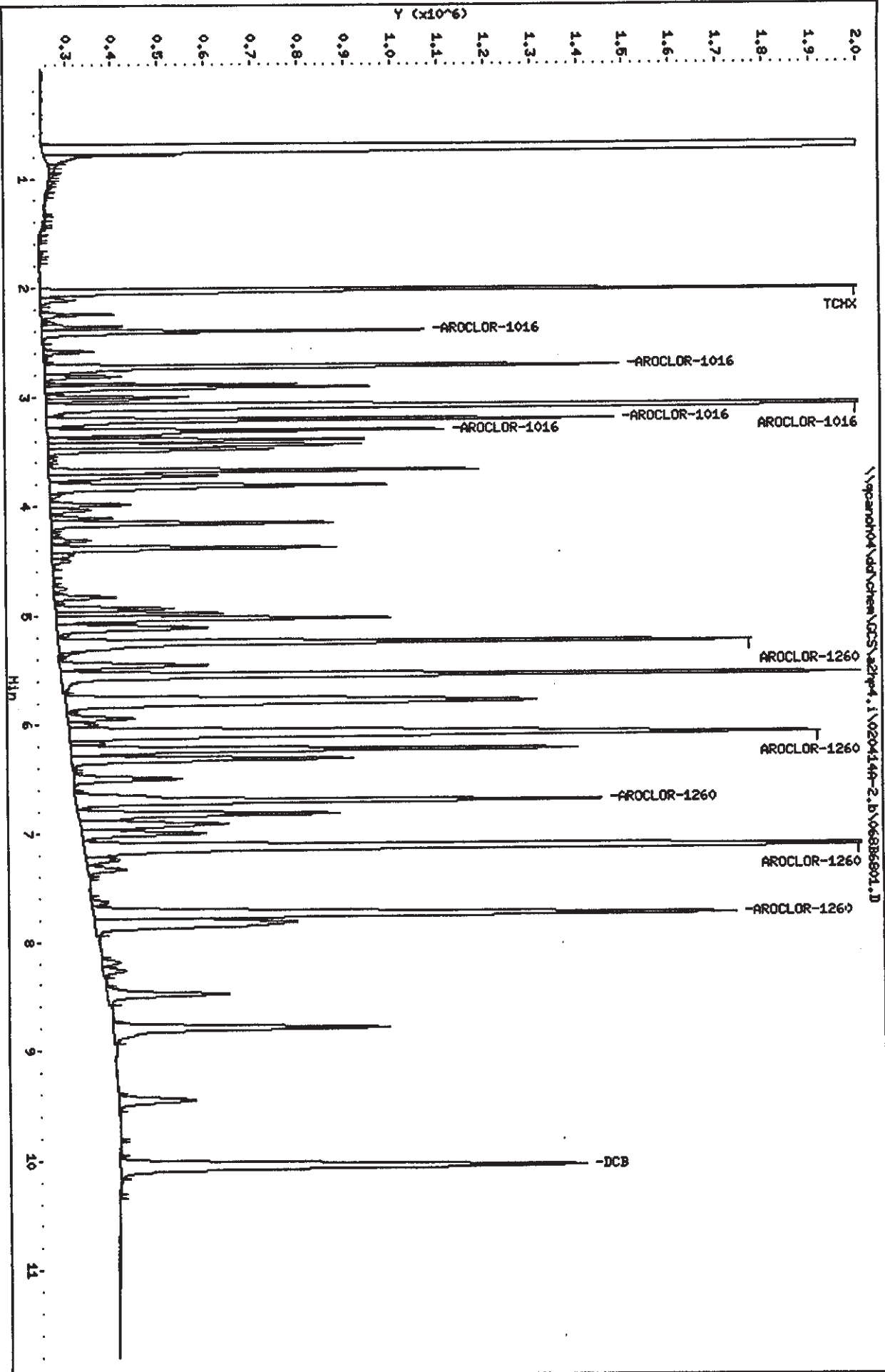
Sample Info: 1660,,2

Column phase: restek pest cap II

Instrument: az7p4.i

Operator: 1808

Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090104

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
	=====	=====	=====	=====	=====	=====
01		1232	04/15/02	1420		
02		1242	04/15/02	1436		
03		1248	04/15/02	1453		
04		2154	04/15/02	1509		
05		1660	04/16/02	0105		
06	EXMAGBLK	EXMAG1AA	04/16/02	0228		
07	EXMAGCHK	EXMAG1AC	04/16/02	0244		
08	S-00-040802-	EXKKT1AA	04/16/02	0334		
09	S-00-040802-	EXKKV1AA	04/16/02	0350		
10	SD-00-040802	EXKKW1AA	04/16/02	0407		
11	SD-00-040802	EXKKW1AC	04/16/02	0423		
12	SD-00-040802	EXKKW1AD	04/16/02	0440		
13		1660	04/16/02	0529		
14						
15						
16						
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20						
21						
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25						
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27						
28						
29						
30						
31						
32						

QC LIMITS

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

Calibration History

Method : \\gcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

16-APR-2002 13:23	12-ar1660td	079B7901.D
16-APR-2002 12:42	12-AR1660td	078B7801.D
16-APR-2002 11:49	12-AR1660td	077B7701.D
16-APR-2002 09:21	12-AR1660TD	069B6901.D
16-APR-2002 05:29	12-AR1660TD	055B5501.D
16-APR-2002 01:05	12-AR1660TD	039B3901.D
15-APR-2002 19:51	12-AR1660TD	022B2201.D
15-APR-2002 15:26	12-AR1660TD	006B0601.D
15-APR-2002 15:09	9-AR2154	005B0501.D
15-APR-2002 14:53	3-AR1248	004B0401.D
15-APR-2002 14:36	2-AR1242	003B0301.D
15-APR-2002 14:20	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\002B0201.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 15-APR-2002 14:20
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.SUB
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.405	2.407	(-0.002)	888214	0.50000	0.4089 75.00- 125.00	100.00
2.726	2.728	(-0.002)	538377	0.50000	0.4294 104.03- 173.39	60.61
3.098	3.100	(-0.002)	988441	0.50000	0.4616 161.98- 269.97	111.28
3.218	3.219	(-0.001)	490099	0.50000	0.4190 78.38- 130.64	55.18
3.677	3.679	(-0.002)	355716	0.50000	0.4540 58.68- 97.79	40.05
Average of Peak Amounts =				0.435		

Data File: \\sparrch04\vd\chem\GC5\asthp4.1\020415a-2.b\00280201.D
Date: 15-APR-2002 14:20

Client ID:

Sample Info: 1232,2

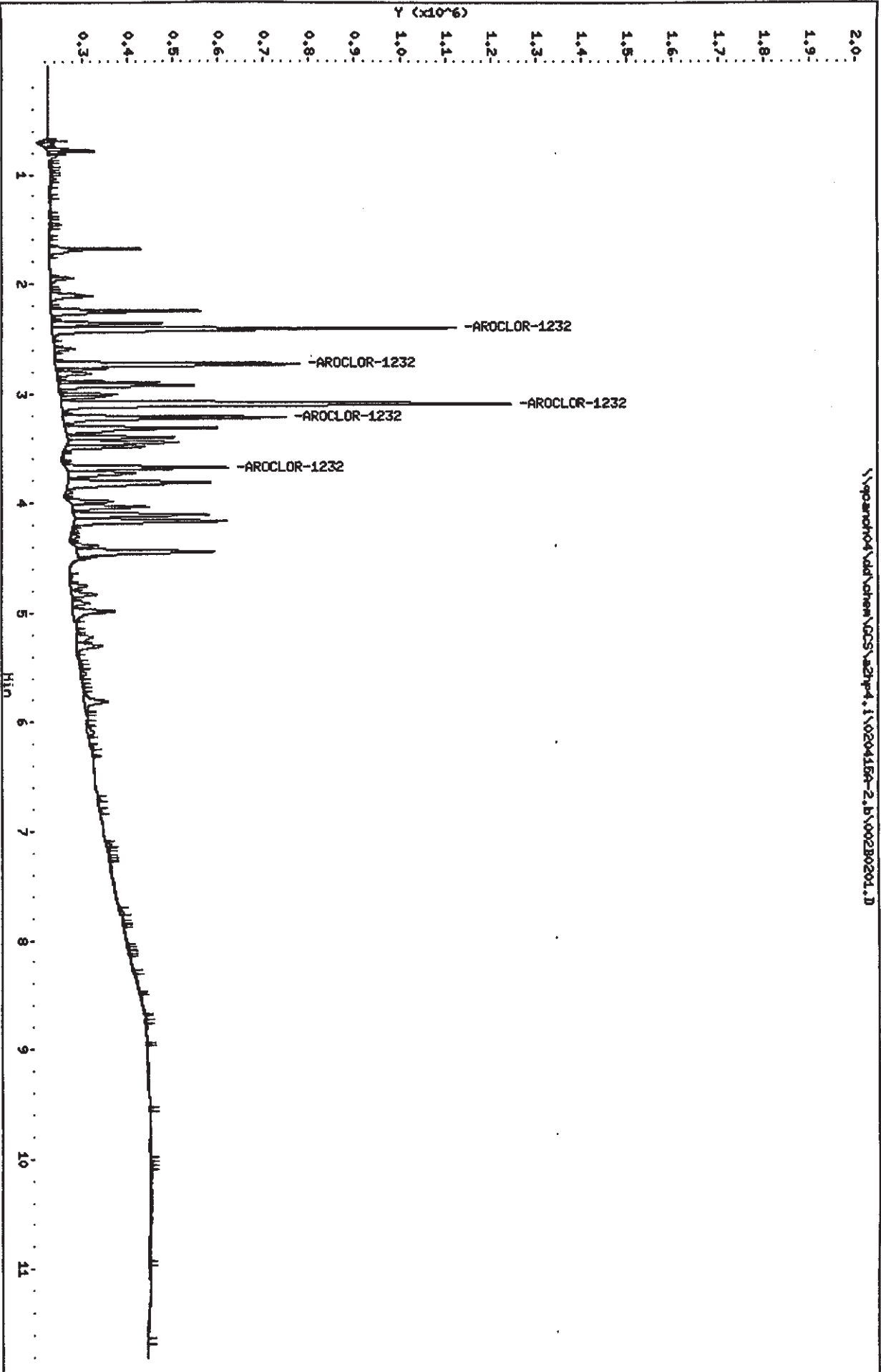
Column phase: restek pest c1p1

Instrument: asthp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\003B0301.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 15-APR-2002 14:36
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.SUB
 Sample Matrix: None

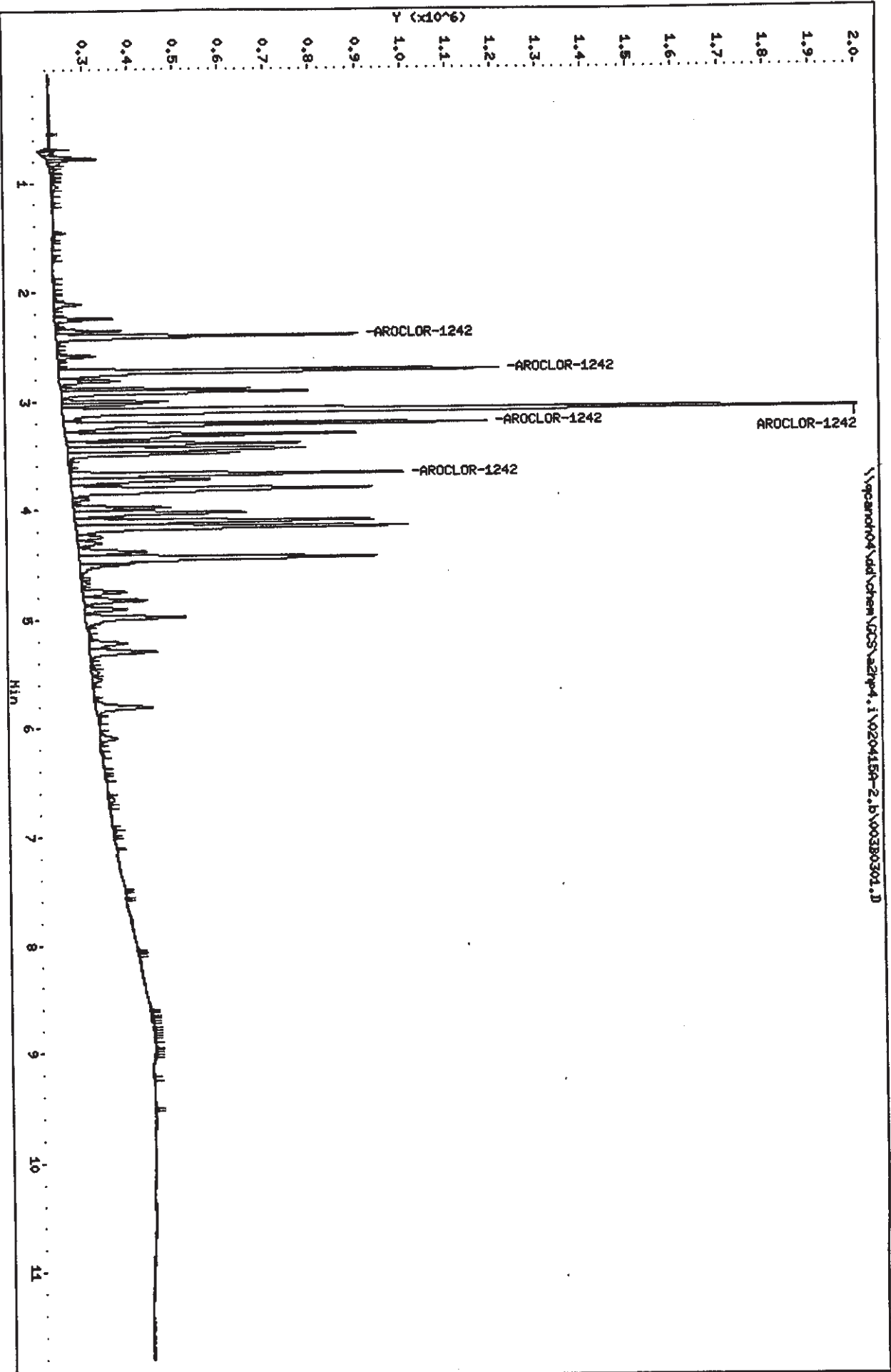
AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL	TARGET RANGE
---	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.405	2.407	(-0.002)	664644	0.50000	0.4142	75.00- 125.00 100.00
2.726	2.728	(-0.002)	971577	0.50000	0.4330	104.03- 173.39 146.18
3.098	3.100	(-0.002)	1856894	0.50000	0.4627	161.98- 269.97 279.38
3.217	3.219	(-0.002)	935952	0.50000	0.4332	78.38- 130.64 140.82
3.676	3.679	(-0.003)	736673	0.50000	0.4521	58.68- 97.79 110.84
Average of Peak Amounts =				0.439		

Data File: \\ppandh04\nd\Nchem\QCS\az2hp4.i\020415R-2.D\00380301.D
Date: 15-08-2002 14:36
Client ID:

Sample Info: 1242,,2
Column phase: restek pest c1p1

Instrument: az2hp4.i
Operator: 1808
Column diameter: 0.53

\\ppandh04\nd\Nchem\QCS\az2hp4.i\020415R-2.D\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\004B0401.D
 Report Date: 17-Apr-2002 06:13

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 15-APR-2002 14:53
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.SUB
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	CAL-AMT	ON-COL	TARGET RANGE		RATIO	
---	-----	-----	-----	RESPONSE (ng)	(ng)	-----	-----	-----	-----
6 AROCLOR-1248									
2.726	2.728		(-0.002)	505085	0.50000	0.4010	75.00-	125.00	100.00
3.676	3.679		(-0.003)	1204753	0.50000	0.4327	42.30-	70.50	238.52
4.105	4.108		(-0.003)	1208171	0.50000	0.4377	6.10-	10.16	239.20
4.441	4.446		(-0.005)	1100298	0.50000	0.4402	1.66-	2.77	217.84
4.984	4.988		(-0.004)	617479	0.50000	0.4464	16.38-	27.30	122.25
Average of Peak Amounts =					0.432				

Data File: \\gsanoh04\vd\chem\GCSS\azhp4.1\020415a-2.b\004B0401.D
Date : 15-APR-2002 14:53

Client ID:

Sample Info: 1248,,2

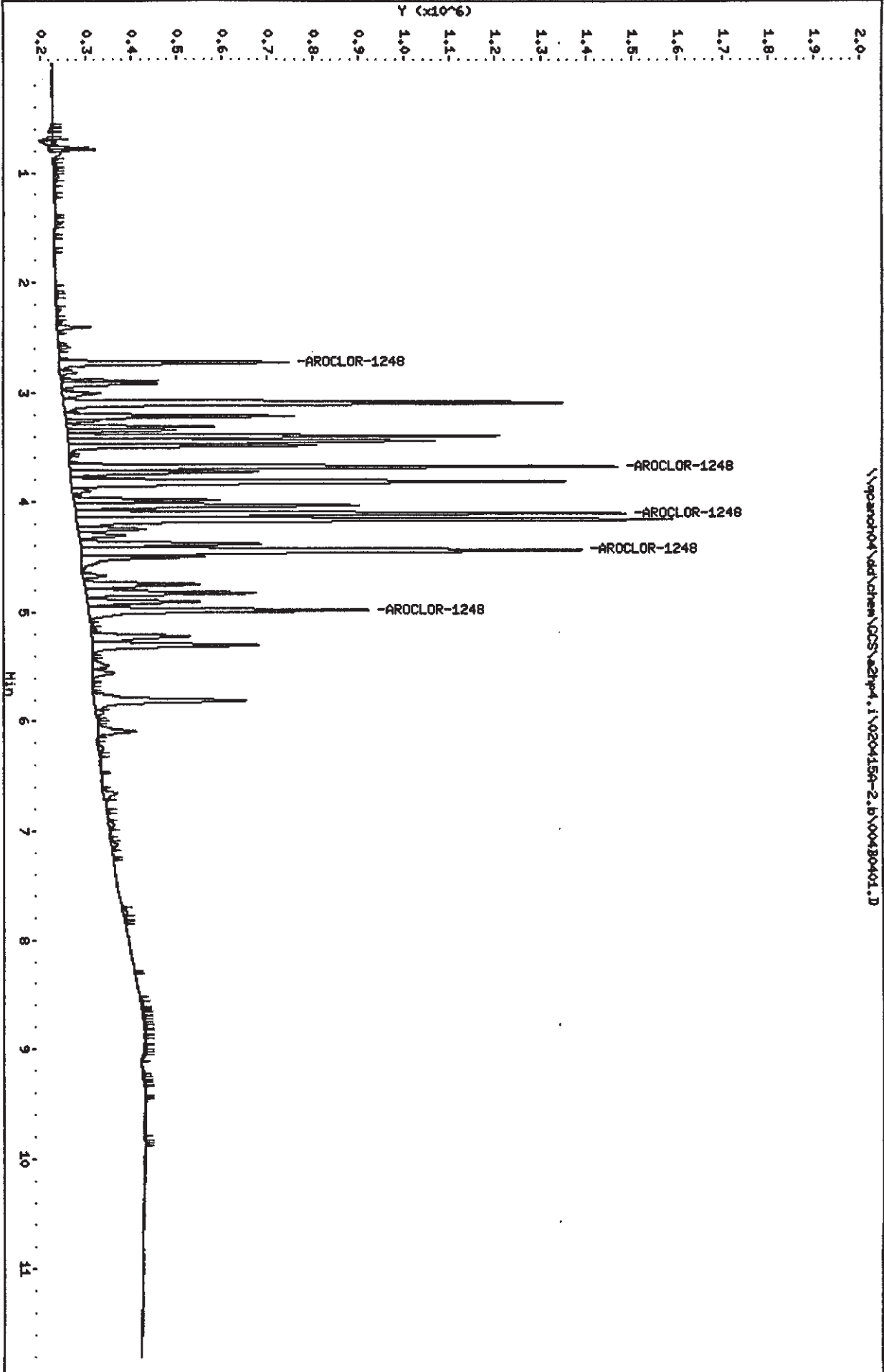
Column phase: restek pest olp1

Instrument: azhp4.1

Operator: 1908

Column diameter: 0.53

\\gsanoh04\vd\chem\GCSS\azhp4.1\020415a-2.b\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\005B0501.D
 Report Date: 17-Apr-2002 06:14

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 15-APR-2002 15:09
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.SUB
 Sample Matrix: None

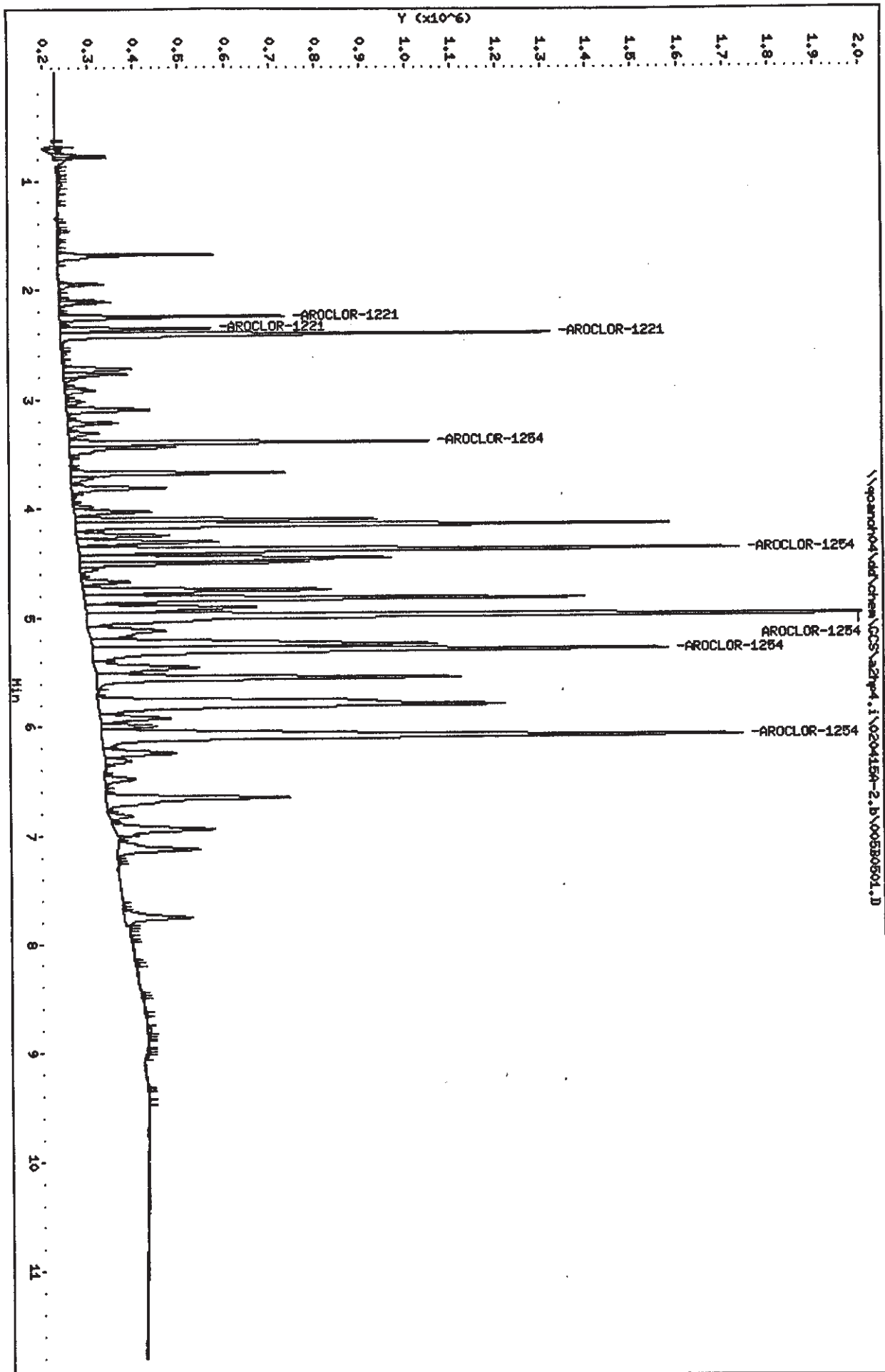
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254						
					CAS #: 11097-69-1	
3.399	3.400	(-0.001)	795870	0.50000	0.4116 75.00- 125.00	100.00
4.382	4.385	(-0.003)	1457586	0.50000	0.4354 65.40- 109.00	183.14
4.985	4.988	(-0.003)	2083374	0.50000	0.4464 39.55- 65.92	261.77
5.300	5.255	(0.045)	1271782	0.50000	0.4251 160.57- 267.62	159.80
6.092	6.094	(-0.002)	1415173	0.50000	0.4592 173.71- 289.51	177.81
Average of Peak Amounts =				0.436		

2 AROCLOR-1221						
					CAS #: 11104-28-2	
2.244	2.247	(-0.003)	497466	0.50000	0.3882 75.00- 125.00	100.00
2.355	2.358	(-0.003)	331962	0.50000	0.3955 83.25- 138.76	66.73
2.405	2.407	(-0.002)	1081847	0.50000	0.3938 390.36- 650.60	217.47
Average of Peak Amounts =				0.392		

Data File: \\qpcand04\vd\chem\GC5\az2pe4.1\020415A-2.b\005B0501.D
Date: 15-APR-2002 15:09
Client ID:
Sample Info: 2154,,2

Column phase: restek past o/p1

Instrument: az2pe4.i
Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\039B3901.D
 Report Date: 16-Apr-2002 01:17

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 01:05
 Lab File ID: 039B3901.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 TCXK	126620446	118654920	0.010	-6.3	15.0
3 AROCLOR-1016 (1)	1852618	1744270	0.010	-5.8	15.0
(2)	2759209	2546860	0.010	-7.7	15.0
(3)	4975691	4893494	0.010	-1.7	15.0
(4)	2654696	2511312	0.010	-5.4	15.0
(5)	1833962	1741088	0.010	-5.1	15.0
8 AROCLOR-1260 (1)	2977706	2633040	0.010	-11.6	15.0
(2)	3193457	2520900	0.010	-21.1	15.0
(3)	2203376	1919654	0.010	-12.9	15.0
(4)	4808395	4311284	0.010	-10.3	15.0
(5)	2693756	2350620	0.010	-12.7	15.0
9 DCB	38588264	33317280	0.010	-13.7	15.0

MM 4/17/02

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\039B3901.D
 Report Date: 17-Apr-2002 06:14

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\039B3901.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 01:05
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660TD.SUB
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	CAL-ANT	ON-COL	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----

#	1	TCMX						CAS #: 877-09-8	
2.027	2.028	(-0.001)		2966373	0.02500	0.02343			

3 AROCLOR-1016									
								CAS #: 12674-11-2	
2.406	2.407	(-0.001)		872135	0.50000	0.4708	75.00- 125.00	100.00	
2.727	2.728	(-0.001)		1273430	0.50000	0.4615	107.38- 178.97	146.01	
3.100	3.101	(-0.001)		2446747	0.50000	0.4917	170.45- 284.09	280.55	
3.219	3.219	(0.000)		1255656	0.50000	0.4730	84.14- 140.23	143.97	
3.314	3.315	(-0.001)		870544	0.50000	0.4747	55.65- 92.75	99.82	
Average of Peak Amounts =				0.474					

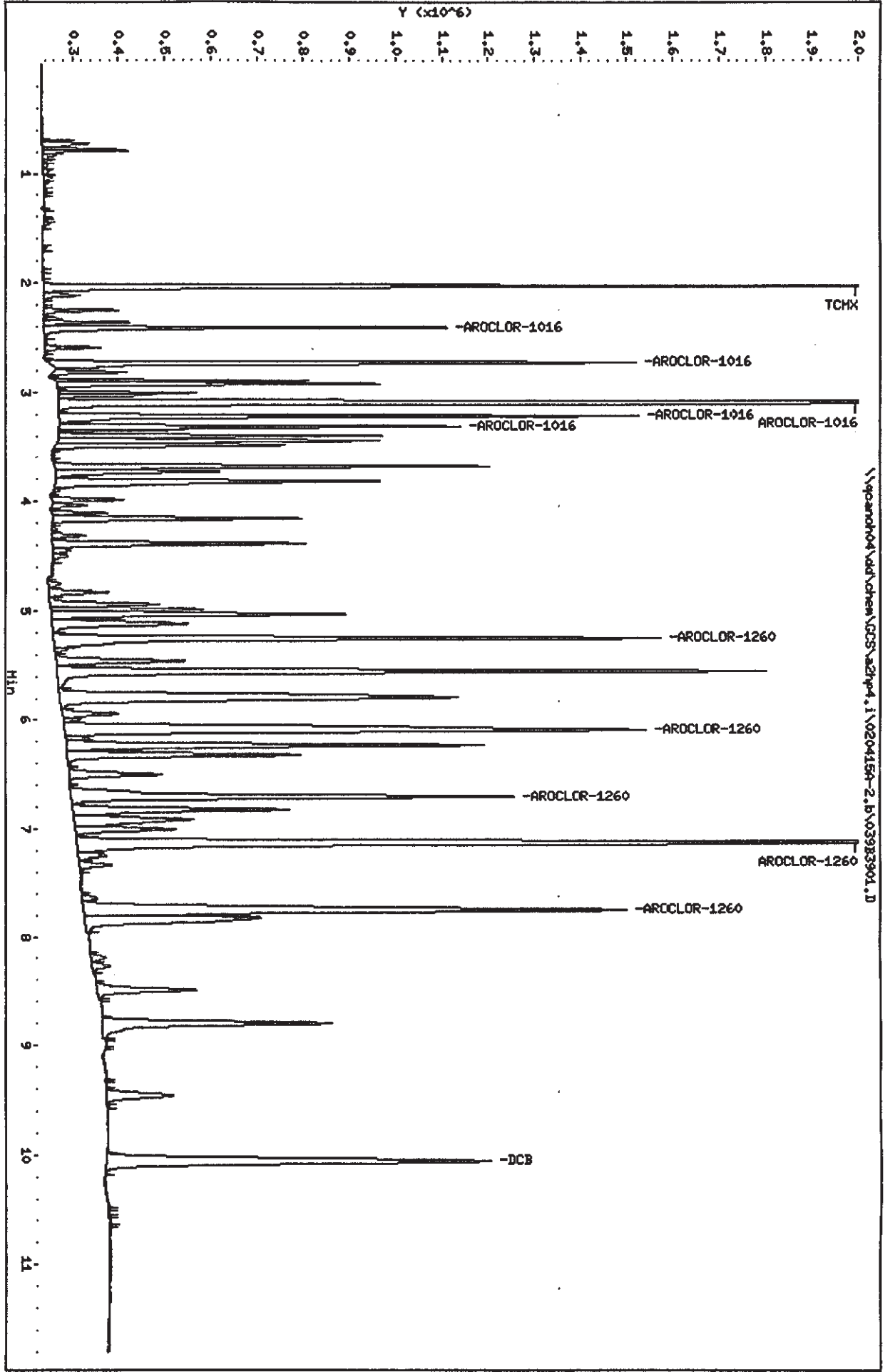
8 AROCLOR-1260									
								CAS #: 11096-82-5	
5.254	5.257	(-0.003)		1316520	0.50000	0.4421	75.00- 125.00	100.00	
6.092	6.096	(-0.004)		1260450	0.50000	0.3947	80.94- 134.90	95.74	
6.705	6.708	(-0.003)		959827	0.50000	0.4356	55.38- 92.30	72.91	
7.127	7.129	(-0.002)		2155642	0.50000	0.4483	131.82- 219.71	163.74	
7.755	7.757	(-0.002)		1175310	0.50000	0.4363	70.86- 118.10	89.27	
Average of Peak Amounts =				0.431					

# 9 DCB									
								CAS #: 2051-24-3	
10.055	10.057	(-0.002)		832932	0.02500	0.02158			

Data File: \\gsarc04\dd\chem\GCS\adhp4.1\0204154-2.b\03933901.D
Date: 16-APR-2002 01:05
Client ID:
Sample Info: 1660,,2

Column phase: restek pest c1p1

Instrument: adhp4.1
Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\055B5501.D
 Report Date: 16-Apr-2002 05:41

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 05:29
 Lab File ID: 055B5501.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
# 1 TCX	126620446	116362720	0.010	-8.1	15.0
3 AROCLOR-1016 (1)	1852618	1688282	0.010	-8.9	15.0
(2)	2759209	2560954	0.010	-7.2	15.0
(3)	4975691	4952478	0.010	-0.5	15.0
(4)	2654696	2531110	0.010	-4.7	15.0
(5)	1833962	1782494	0.010	-2.8	15.0
8 AROCLOR-1260 (1)	2977706	2894248	0.010	-2.8	15.0
(2)	3193457	3031578	0.010	-5.1	15.0
(3)	2203376	2170544	0.010	-1.5	15.0
(4)	4808395	4782846	0.010	-0.5	15.0
(5)	2693756	2656190	0.010	-1.4	15.0
# 9 DCB	38588264	38657480	0.010	0.2	15.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\055B5501.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 05:29
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr
 Cal Date : 15-MAR-2002 10:51
 Cal bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660TD.SUB
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
---	-----	-----	-----	RESPONSE (ng)	(ng)	-----	-----		

#	1	TCMX				CAS #: 877-09-8			
2.026	2.028	(-0.002)		2909068	0.02500	0.02297			

#	3	AROCLOR-1016				CAS #: 12674-11-2			
2.406	2.407	(-0.001)		844141	0.50000	0.4556	75.00-	125.00	100.00
2.727	2.728	(-0.001)		1280477	0.50000	0.4641	107.38-	178.97	151.69
3.101	3.101	(0.000)		2476239	0.50000	0.4977	170.45-	284.09	293.34
3.219	3.219	(0.000)		1265555	0.50000	0.4767	84.14-	140.23	149.92
3.314	3.315	(-0.001)		891247	0.50000	0.4860	55.65-	92.75	105.58
Average of Peak Amounts =					0.476				

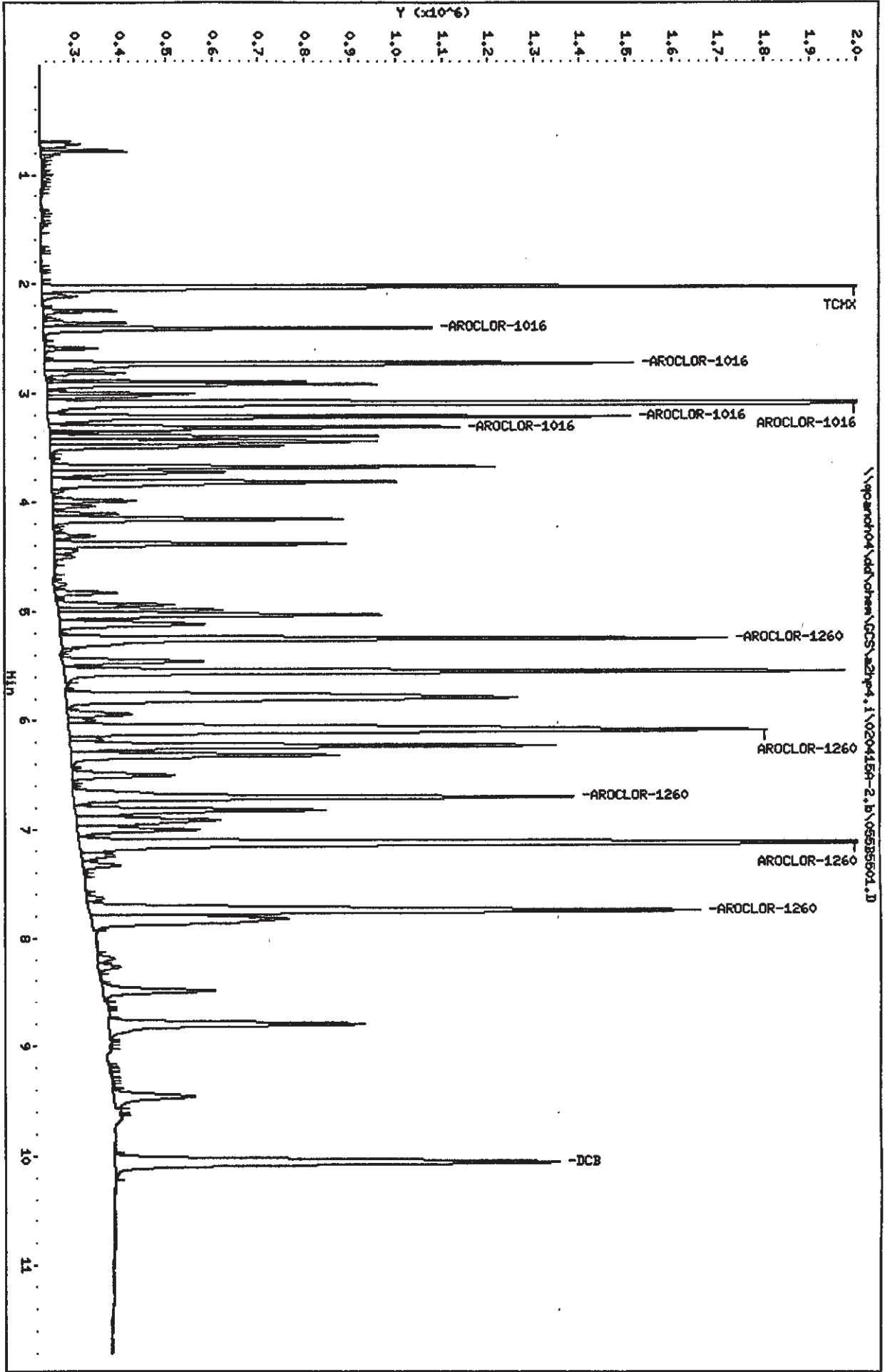
#	8	AROCLOR-1260				CAS #: 11096-82-5			
5.254	5.257	(-0.003)		1447124	0.50000	0.4860	75.00-	125.00	100.00
6.092	6.096	(-0.004)		1515789	0.50000	0.4746	80.94-	134.90	104.74
6.704	6.708	(-0.004)		1085272	0.50000	0.4925	55.38-	92.30	75.00
7.126	7.129	(-0.003)		2391423	0.50000	0.4973	131.82-	219.71	165.25
7.753	7.757	(-0.004)		1328095	0.50000	0.4930	70.86-	118.10	91.77
Average of Peak Amounts =					0.489				

#	9	DCB				CAS #: 2051-24-3			
10.055	10.057	(-0.002)		966437	0.02500	0.02504			

Data File: \\qcarnd04\dd\chem\GCS\2hp4,1\0204158-2.b\05585501.D
Date: 16-09R-2002 05:29
Client ID:
Sample Info: 1660,2

Column phases: restek pest c1p1

Instrument: 2hp4.i
Operator: 1808
Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: A2D090104

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 03/15/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		1232	04/16/02	1510		
02		1242	04/16/02	1527		
03		1248	04/16/02	1544		
04		2154	04/16/02	1600		
05		1660	04/16/02	2058		
06	S-00-040802-	EXKKD1AA	04/16/02	2114		
07	S-00-040802-	EXKK71AA	04/16/02	2237		
08	S-00-040802-	EXKK91AA	04/16/02	2253		
09		1660	04/17/02	0211		
10						
11						
12						
13						
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16						
17						
18						
19						
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32						

QC LIMITS

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

Calibration History

Method : \\gcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 15-MAR-2002 10:51
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
15-MAR-2002 09:45	12-AR1660td	023B2301.D
15-MAR-2002 08:22	9-AR2154	018B1801.D
15-MAR-2002 07:00	3-AR1248	013B1301.D
15-MAR-2002 03:33	2-AR1242	008B0801.D
15-MAR-2002 02:10	1-AR1232	003B0301.D
Cal Level: 2 , Cal Amount: 0.2000		
15-MAR-2002 10:01	12-AR1660td	024B2401.D
15-MAR-2002 08:39	9-AR2154	019B1901.D
15-MAR-2002 07:16	3-AR1248	014B1401.D
15-MAR-2002 03:49	2-AR1242	009B0901.D
15-MAR-2002 02:27	1-AR1232	004B0401.D
Cal Level: 3 , Cal Amount: 0.5000		
15-MAR-2002 10:18	12-AR1660td	025B2501.D
15-MAR-2002 08:55	9-AR2154	020B2001.D
15-MAR-2002 07:33	3-AR1248	015B1501.D
15-MAR-2002 04:06	2-AR1242	010B1001.D
15-MAR-2002 02:43	1-AR1232	005B0501.D
Cal Level: 4 , Cal Amount: 1.000		
15-MAR-2002 10:34	12-AR1660td	026B2601.D
15-MAR-2002 09:12	9-AR2154	021B2101.D
15-MAR-2002 07:49	3-AR1248	016B1601.D
15-MAR-2002 04:22	2-AR1242	011B1101.D
15-MAR-2002 03:00	1-AR1232	006B0601.D
Cal Level: 5 , Cal Amount: 2.000		
15-MAR-2002 10:51	12-AR1660td	027B2701.D
15-MAR-2002 09:28	9-AR2154	022B2201.D
15-MAR-2002 08:06	3-AR1248	017B1701.D
15-MAR-2002 06:43	2-AR1242	012B1201.D
15-MAR-2002 03:16	1-AR1232	007B0701.D

Continuing Calibration

17-APR-2002 18:11	12-AR1660td	100BA001.D
17-APR-2002 12:56	12-AR1660td	081B8101.D
17-APR-2002 07:09	12-AR1660td	060B6001.D
17-APR-2002 02:11	12-AR1660td	042B4201.D
16-APR-2002 20:58	12-AR1660td	023B2301.D
16-APR-2002 16:17	12-AR1660TD	006B0601.D
16-APR-2002 16:00	9-AR2154	005B0501.D
16-APR-2002 15:44	3-AR1248	004B0401.D
16-APR-2002 15:27	2-AR1242	003B0301.D
16-APR-2002 15:10	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\002B0201.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 16-APR-2002 15:10
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
			-----	-----	-----	-----
4 AROCLOR-1232				CAS #: 11141-16-5		
2.405	2.405	(0.000)	1125522 0.50000	0.5182	75.00- 125.00	100.00
2.725	2.725	(0.000)	658796 0.50000	0.5254	43.90- 73.17	58.53
3.099	3.099	(0.000)	1101843 0.50000	0.5145	73.42- 122.37	97.90
3.217	3.217	(0.000)	597306 0.50000	0.5107	39.80- 66.34	53.07
3.677	3.677	(0.000)	389353 0.50000	0.4970	25.94- 43.24	34.59
Average of Peak Amounts =				0.513		

Data File: \\pcan04\add\chem\SCS\az1p4.1\020416-2.b\002B0201.D
Date: 16-08-2002 15:10
Client ID:
Sample Info: 1232,,2

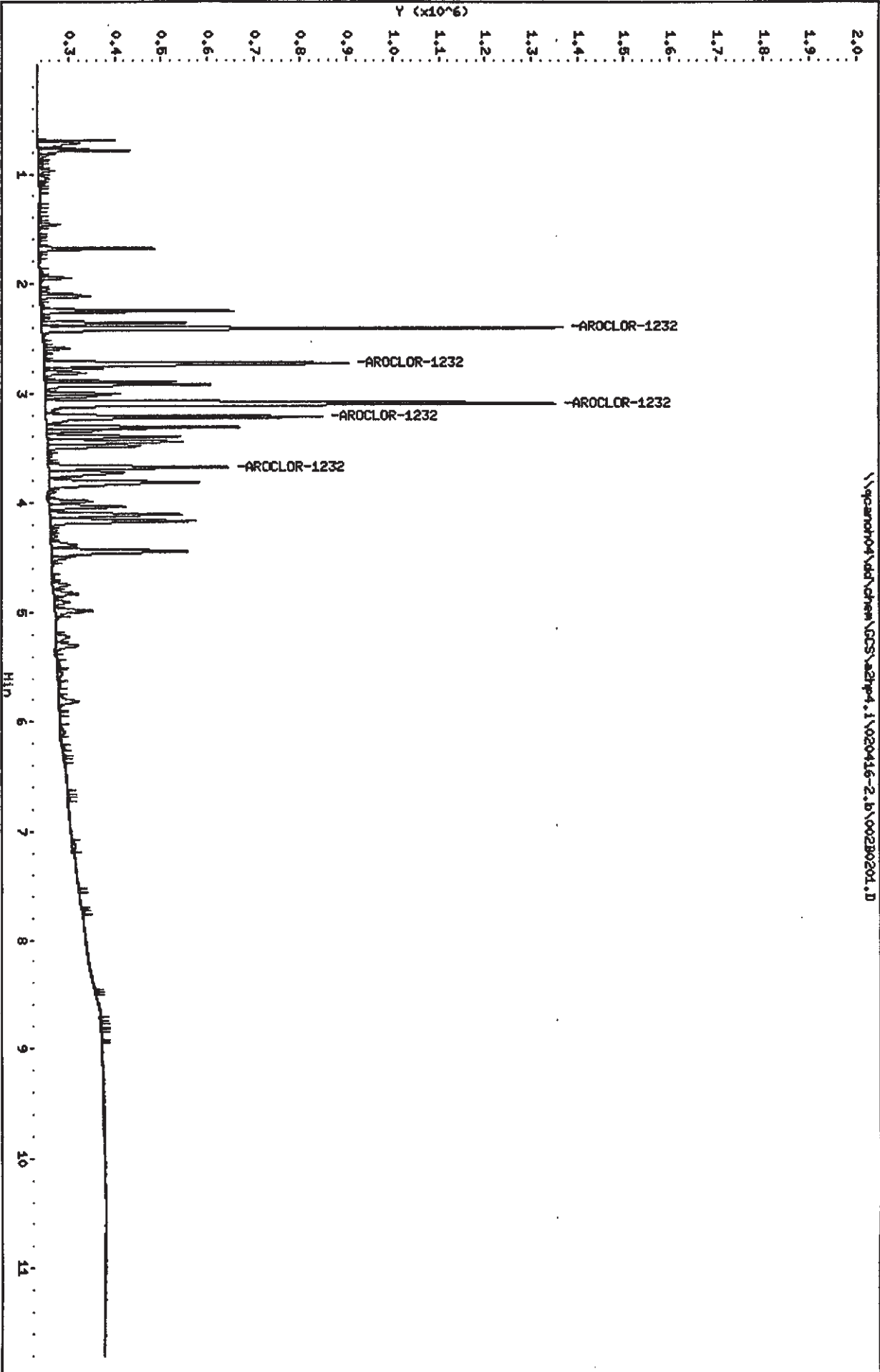
Column phase: restek pest c1p1

\\pcan04\add\chem\SCS\az1p4.1\020416-2.b\002B0201.D

Instrument: az1p4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\003B0301.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 16-APR-2002 15:27
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.SUB
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
5 AROCLOR-1242				CAS #: 53469-21-9			
2.405	2.405	(0.000)		843872 0.50000	0.5259	75.00- 125.00	100.00
2.725	2.725	(0.000)		1192481 0.50000	0.5315	105.98- 176.64	141.31
3.099	3.099	(0.000)		2132302 0.50000	0.5314	189.51- 315.85	252.68
3.217	3.217	(0.000)		1115531 0.50000	0.5164	99.14- 165.24	132.19
3.676	3.676	(0.000)		834735 0.50000	0.5123	74.19- 123.65	98.92
Average of Peak Amounts =					0.523		

Data File: \\qpcan04\vdv\chem\GC5\az2hp4.1\020416-2.b\003B0301.D
Date: 16-APR-2002 15:27

Client ID:

Sample Info: 1242,,2

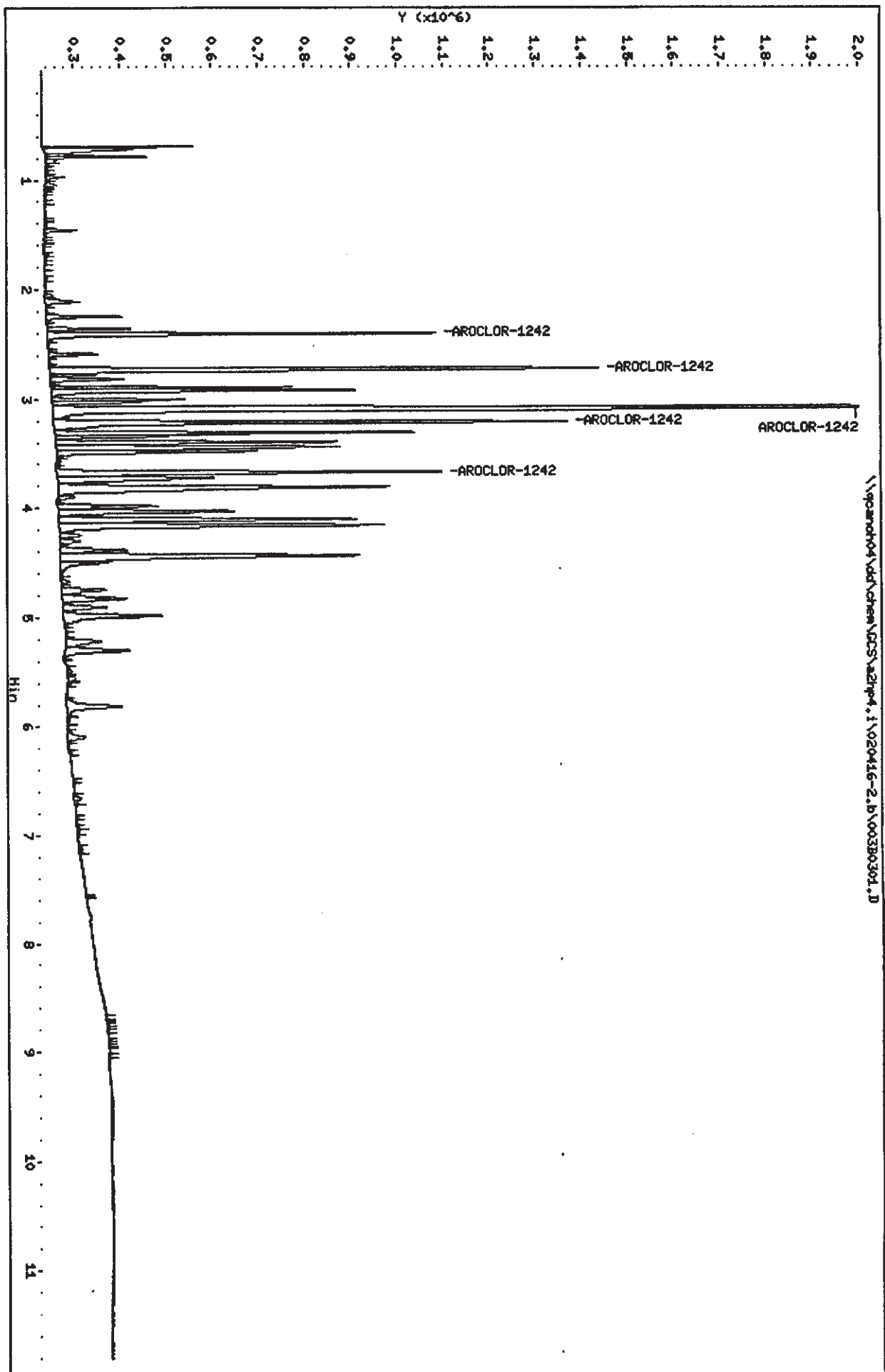
Column phase: restek past cipi

Instrument: az2hp4.i

Operator: 1808

Column diameter: 0.53

\\qpcan04\vdv\chem\GC5\az2hp4.1\020416-2.b\003B0301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\004B0401.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 16-APR-2002 15:44
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.SUB
 Sample Matrix: None

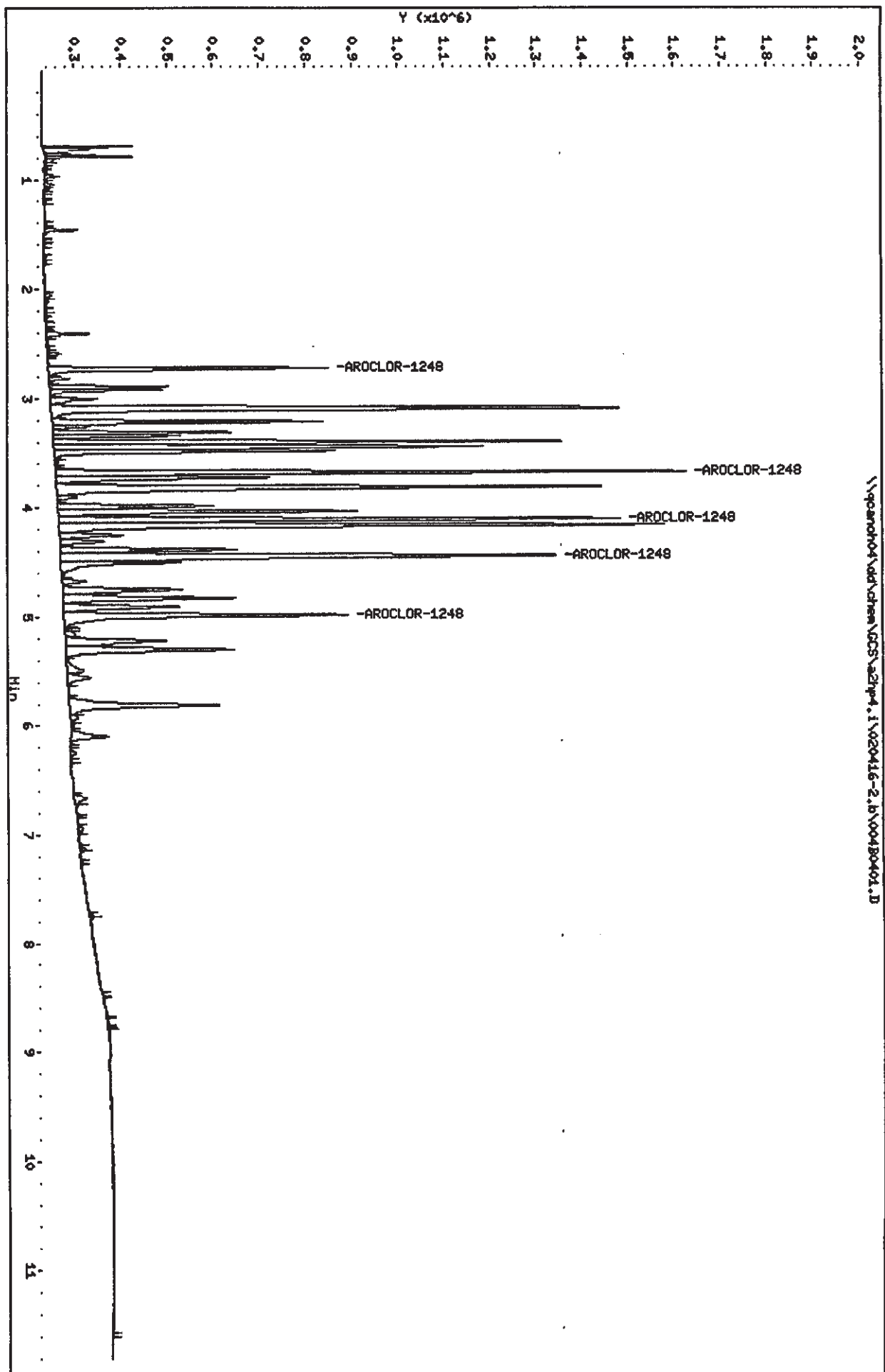
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
6 AROCLOR-1248			CAS #: 12672-29-6			
2.725	2.725	(0.000)	607494	0.50000	0.4823 75.00- 125.00	100.00
3.678	3.678	(0.000)	1365787	0.50000	0.4905 168.62- 281.03	224.82
4.106	4.106	(0.000)	1218346	0.50000	0.4414 150.41- 250.69	200.55
4.443	4.443	(0.000)	1073228	0.50000	0.4294 132.50- 220.83	176.66
4.987	4.987	(0.000)	615228	0.50000	0.4448 75.95- 126.59	101.27
Average of Peak Amounts =				0.458		

Data File: \\qpcrm04\add\chem\GCs\az2hp4.i\020416-2.b\004B0401.D
Date: 16-APR-2002 15:44
Client ID:
Sample Info: 1248,2

Column phase: pestak pest c1p1

Instrument: az2hp4.i
Operator: 1898
Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\005B0501.D
 Report Date: 17-Apr-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 16-APR-2002 16:00
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.SUB
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.398	3.398	(0.000)	925679 0.50000	0.4787	75.00- 125.00	100.00
4.383	4.383	(0.000)	1391431 0.50000	0.4157	112.74- 187.89	150.31
4.986	4.986	(0.000)	2010249 0.50000	0.4308	162.87- 271.46	217.16
5.301	5.301	(0.000)	1197278 0.50000	0.4002	97.01- 161.68	129.34
6.094	6.094	(0.000)	1278847 0.50000	0.4150	103.61- 172.69	138.15
Average of Peak Amounts =				0.428		

2 AROCLOR-1221			CAS #: 11104-28-2			
2.245	2.245	(0.000)	611233 0.50000	0.4770	75.00- 125.00	100.00
2.356	2.356	(0.000)	405482 0.50000	0.4831	49.75- 82.92	66.34
2.406	2.406	(0.000)	1320014 0.50000	0.4805	161.97- 269.95	215.96
Average of Peak Amounts =				0.48		

Data File: \\qpcan04\vdv\chem\SCS\az1p4.1\020416-2.b\008B0501.D
Date: 16-APR-2002 16:00

Client ID:

Sample Info: 2154,,2

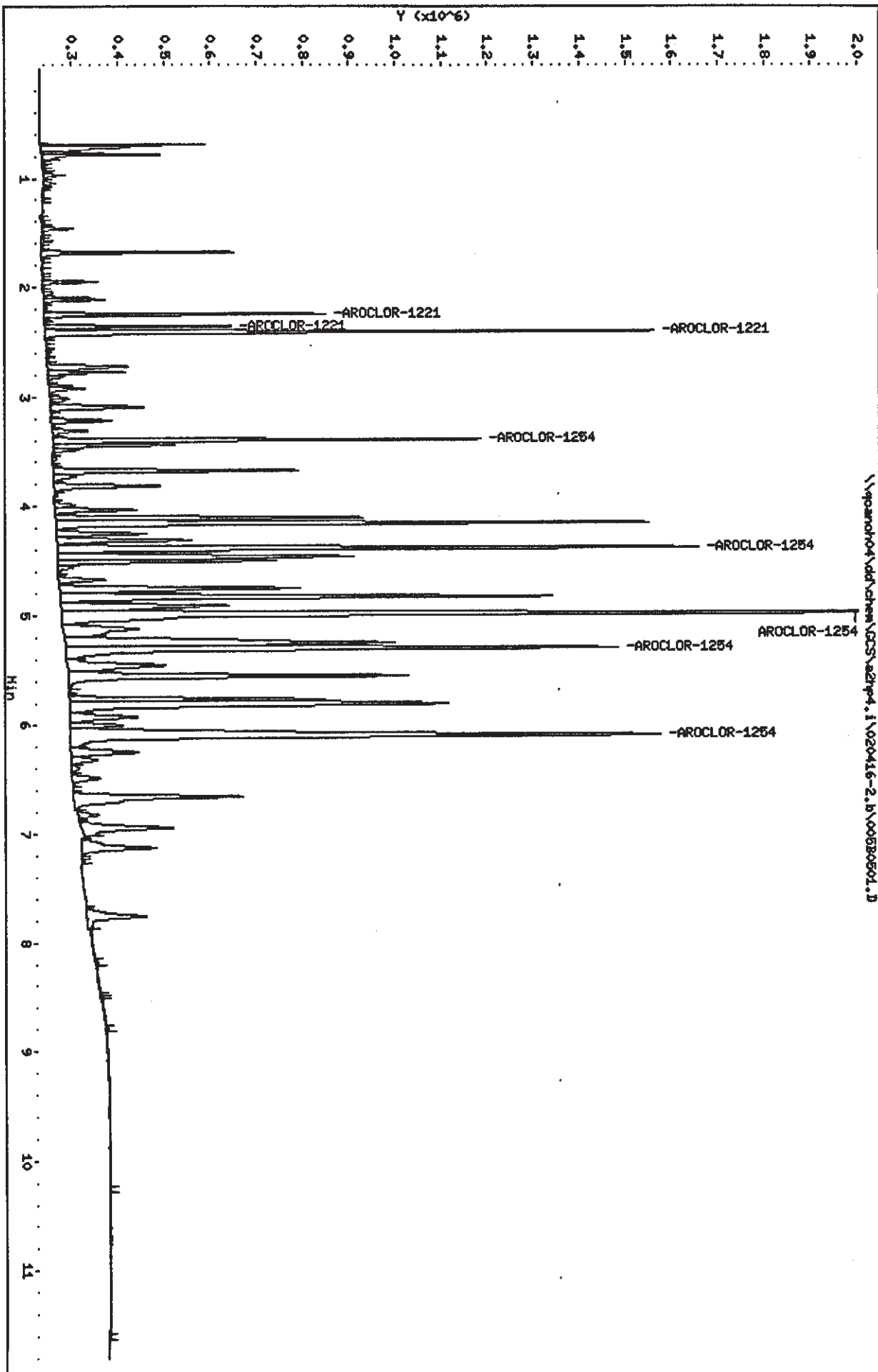
Column phase: restek pest c1p1

Instrument: az1p4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\023B2301.D
 Report Date: 16-Apr-2002 21:10

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 16-APR-2002 20:58
 Lab File ID: 023B2301.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 TCME	126620446	130505920	0.010	3.1	15.0
3 AROCLOR-1016(1)	1852618	1871894	0.010	1.0	15.0
(2)	2759209	2749854	0.010	-0.3	15.0
(3)	4975691	5042482	0.010	1.3	15.0
(4)	2654696	2648258	0.010	-0.2	15.0
(5)	1833962	1853196	0.010	1.0	15.0
8 AROCLOR-1260(1)	2977706	2840904	0.010	-4.6	15.0
(2)	3193457	3031806	0.010	-5.1	15.0
(3)	2203376	2055412	0.010	-6.7	15.0
(4)	4808395	4608928	0.010	-4.1	15.0
(5)	2693756	2553946	0.010	-5.2	15.0
9 DCB	38588264	36773600	0.010	-4.7	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\023B2301.D
 Report Date: 17-Apr-2002 08:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 16-APR-2002 20:58
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

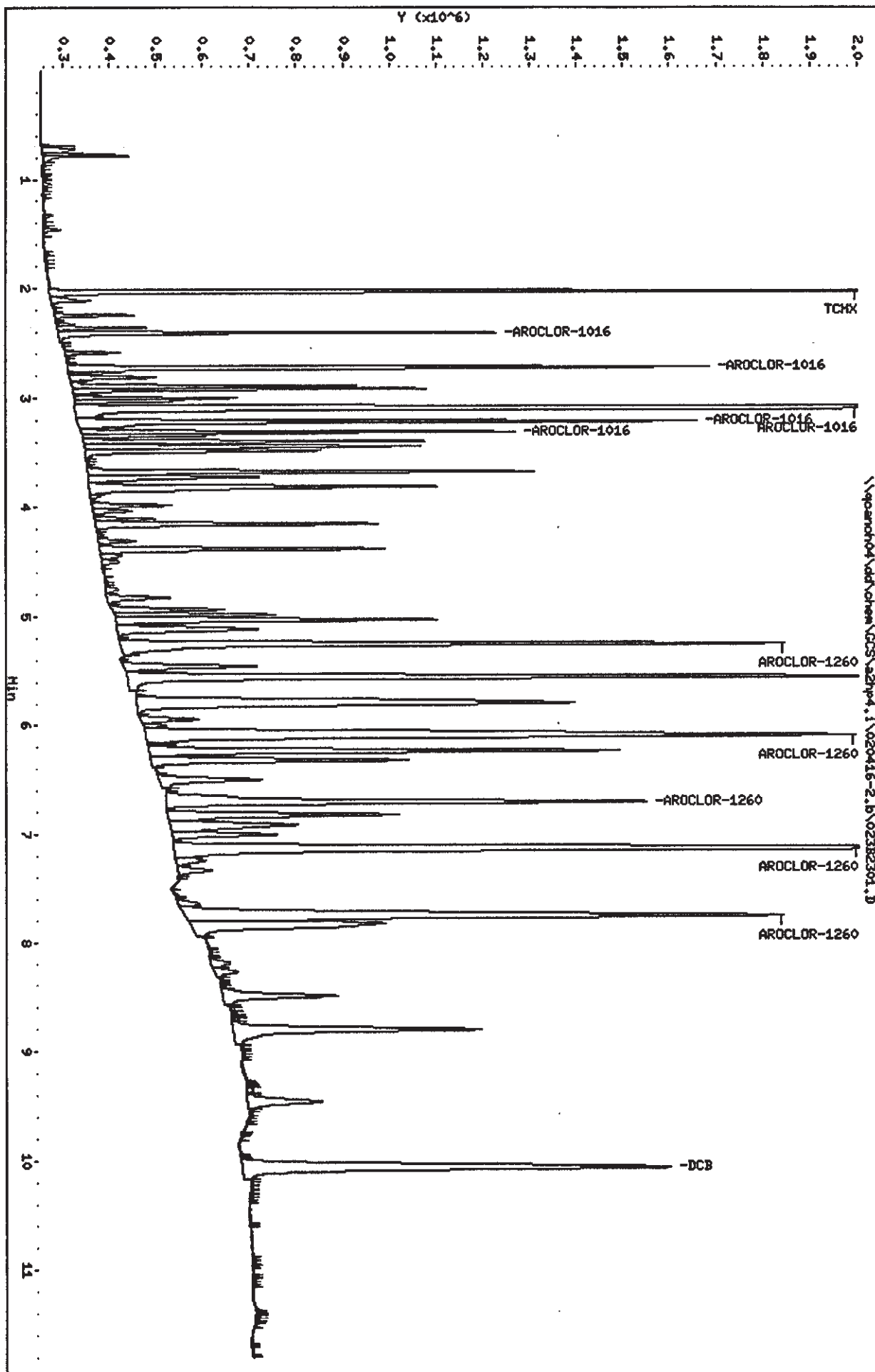
Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
--	-----	-----	-----	-----	-----	-----
# 1 TCMX			CAS #: 877-09-8			
2.027	2.027	(0.000)	3262648	0.02500	0.02577	
-----			-----			
3 AROCLOR-1016			CAS #: 12674-11-2			
2.406	2.406	(0.000)	935947	0.50000	0.5052	75.00- 125.00 100.00
2.727	2.726	(0.001)	1374927	0.50000	0.4983	108.42- 180.70 146.90
3.101	3.100	(0.001)	2521241	0.50000	0.5067	194.44- 324.07 269.38
3.219	3.218	(0.001)	1324129	0.50000	0.4988	103.23- 172.05 141.47
3.314	3.313	(0.001)	926598	0.50000	0.5052	73.63- 122.71 99.00
Average of Peak Amounts =			0.503			
-----			-----			
8 AROCLOR-1260			CAS #: 11096-82-5			
5.256	5.253	(0.003)	1420452	0.50000	0.4770	75.00- 125.00 100.00
6.094	6.093	(0.001)	1515903	0.50000	0.4747	80.61- 134.35 106.72
6.706	6.705	(0.001)	1027706	0.50000	0.4664	55.16- 91.93 72.35
7.127	7.127	(0.000)	2304464	0.50000	0.4792	123.64- 206.06 162.23
7.755	7.754	(0.001)	1276973	0.50000	0.4740	69.47- 115.79 89.90
Average of Peak Amounts =			0.474			
-----			-----			
# 9 DCB			CAS #: 2051-24-3			
10.056	10.055	(0.001)	919340	0.02500	0.02382	
-----			-----			

Date File: \\qpcan04\vd\chem\GC5\azhp4.1\020416-2.b\023B2301.D
Date: 16-APR-2002 20:58
Client ID:
Sample Info: 1660,2

Column phase: restek_pest_olp1

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.63



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\042B4201.D
 Report Date: 17-Apr-2002 02:23

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 17-APR-2002 02:11
 Lab File ID: 042B4201.D Init. Cal. Date(s): 13-JAN-2002 15-MAR-2002
 Analysis Type: Init. Cal. Times: 20:33 10:51
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN	%D	MAX
# 1 TCXK	126620446	124522400	0.010	-1.7	15.0
3 AROCLOR-1016 (1)	1852618	1793262	0.010	-3.2	15.0
(2)	2759209	2706776	0.010	-1.9	15.0
(3)	4975691	5060500	0.010	1.7	15.0
(4)	2654696	2622910	0.010	-1.2	15.0
(5)	1833962	1838300	0.010	0.2	15.0
8 AROCLOR-1260 (1)	2977706	3073490	0.010	3.2	15.0
(2)	3193457	3254578	0.010	1.9	15.0
(3)	2203376	2226298	0.010	1.0	15.0
(4)	4808395	4903750	0.010	2.0	15.0
(5)	2693756	2730634	0.010	1.4	15.0
# 9 DCB	38588264	38896080	0.010	0.8	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\042B4201.D
 Report Date: 17-Apr-2002 08:05

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020416-2.b\042B4201.D
 Lab Smp Id: 1660
 Inj Date : 17-APR-2002 02:11
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020416-2.b\HP4PCBR.m
 Meth Date : 17-Apr-2002 07:55 molm
 Cal Date : 15-MAR-2002 10:51
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	CON-COL (ng)	TARGET RANGE RATIO

1 TCMX			CAS #: 877-09-8			
2.027	2.027	(0.000)	3113060	0.02500	0.02458	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.406	2.406	(0.000)	896631	0.50000	0.4840	75.00- 125.00 100.00
2.728	2.726	(0.002)	1353388	0.50000	0.4905	108.42- 180.70 150.94
3.100	3.100	(0.000)	2530250	0.50000	0.5085	194.44- 324.07 282.20
3.218	3.218	(0.000)	1311455	0.50000	0.4940	103.23- 172.05 146.26
3.313	3.313	(0.000)	919150	0.50000	0.5012	73.63- 122.71 102.51
Average of Peak Amounts =					0.496	

8 AROCLOR-1260			CAS #: 11096-82-5			
5.255	5.253	(0.002)	1536745	0.50000	0.5161	75.00- 125.00 100.00
6.093	6.093	(0.000)	1627289	0.50000	0.5096	80.61- 134.35 105.89
6.705	6.705	(0.000)	1113149	0.50000	0.5052	55.16- 91.93 72.44
7.127	7.127	(0.000)	2451875	0.50000	0.5099	123.64- 206.06 159.55
7.754	7.754	(0.000)	1365317	0.50000	0.5068	69.47- 115.79 88.84
Average of Peak Amounts =					0.51	

9 DCB			CAS #: 2051-24-3			
10.054	10.055	(-0.001)	972402	0.02500	0.02520	

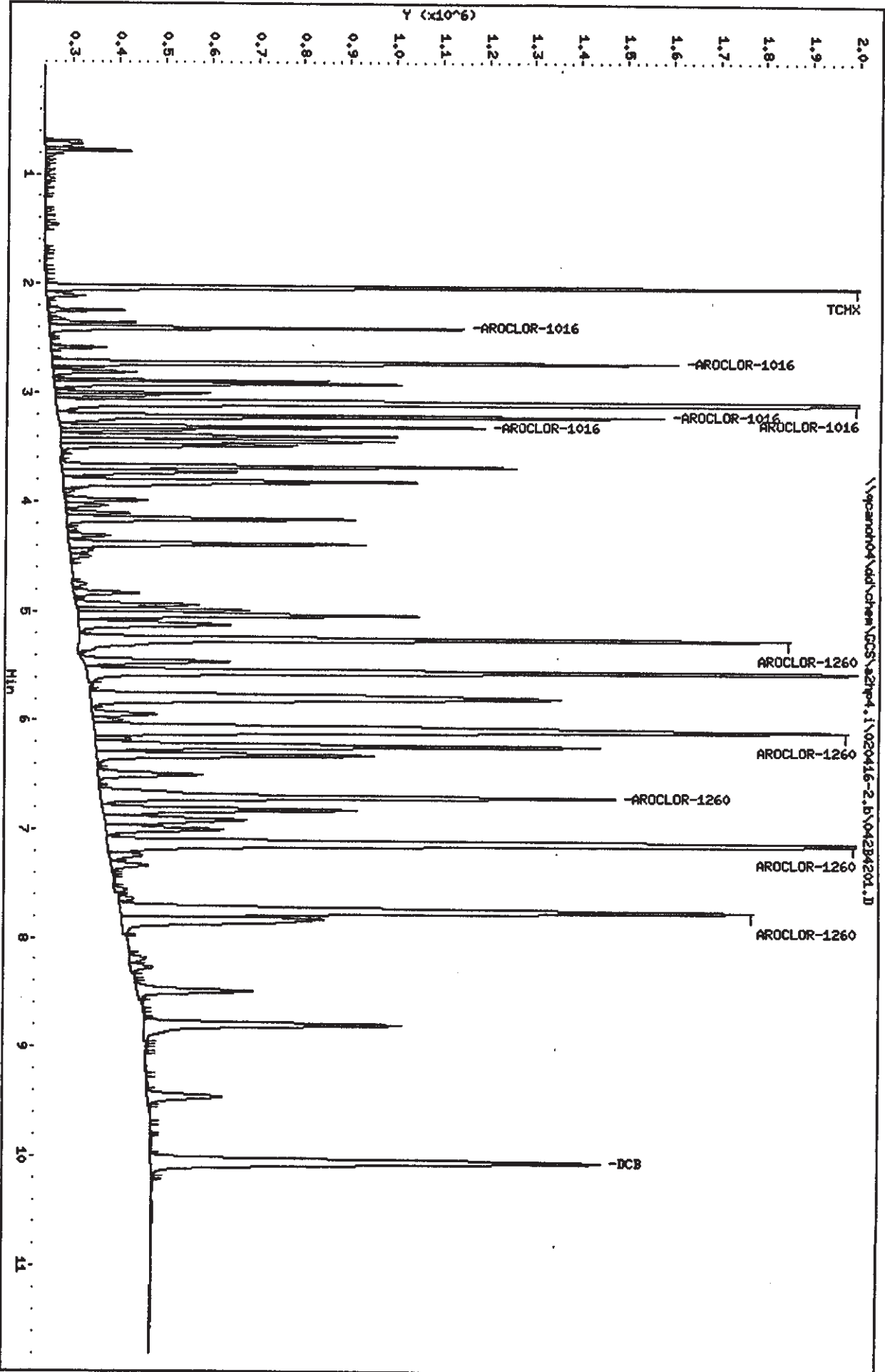
Data File: \\pcan04\vd\chem\GC5\azhp4.1\020416-2.b\04284201.D

Date: 17-APR-2002 02:11

Client ID:

Sample Info: 1660,2

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53





RAW QC DATA

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXL981AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-545
 Prep Date.....: 04/10/02 Analysis Date...: 04/14/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	87	(49 - 122)	SW846 8082
Aroclor 1260	105	(51 - 127)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	85	(31 - 127)
Decachlorobiphenyl	104	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXL981AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-545
 Prep Date.....: 04/10/02 Analysis Date...: 04/14/02
 Prep Batch #...: 2099545
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	290	ug/kg	87	SW846 8082
Aroclor 1260	330	350	ug/kg	105	SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	85	(31 - 127)
Decachlorobiphenyl	104	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\008B0801.D
 Lab Smp Id: EXL981AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 14-APR-2002 13:14
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXL981AC
 Misc Info : 12-AR1660td.sub,SLCS.SPK
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE RATIO
..
1 TCMX				CAS #: 877-09-8		
2.025	2.026	(-0.001)	2162125	0.01708	5.692	
3 AROCLOR-1016				CAS #: 12674-11-2		
2.404	2.405	(-0.001)	1588769	0.85758	285.9	75.00- 125.00 100.00
2.725	2.726	(-0.001)	2343344	0.84928	283.1	112.93- 188.21 147.49
3.099	3.099	(0.000)	4484848	0.90135	300.4	220.77- 367.95 282.28
3.216	3.217	(-0.001)	2368877	0.89233	297.4	111.52- 185.87 149.10
3.311	3.313	(-0.002)	1584125	0.86377	287.9	77.82- 129.70 99.71
Average of Peak Concentrations =				290.9		
8 AROCLOR-1260				CAS #: 11096-82-5		
5.251	5.254	(-0.003)	2996158	1.00620	335.4	75.00- 125.00 100.00
6.089	6.091	(-0.002)	3336147	1.04468	348.2	81.14- 135.23 111.35
6.701	6.704	(-0.003)	2283523	1.03637	345.4	56.96- 94.94 76.22

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
--	-----	-----	ng)		(ug/kg)	-----	-----
§ AROCLOR-1260 (continued)							
7.122	7.126	(-0.004)	5176891	1.07664	358.9	127.60- 212.67	172.78
7.750	7.751	(-0.001)	2903953	1.07803	359.3	69.63- 116.05	96.92
Average of Peak Concentrations =					349.4		

§ 9 DCB					CAS #: 2051-24-3		
10.049	10.052	(-0.003)	803963	0.02083	6.945		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMAG1AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-546
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	73	(49 - 122)	SW846 8082
Aroclor 1260	75	(51 - 127)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	72	(31 - 127)
Decachlorobiphenyl	76	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMAG1AC Matrix.....: SOLID
 LCS Lot-Sample#: A2D090000-546
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	240	ug/kg	73	SW846 8082
Aroclor 1260	330	250	ug/kg	75	SW846 8082
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>	
Tetrachloro-m-xylene		72		(31 - 127)	
Decachlorobiphenyl		76		(23 - 141)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\045B4501.D
 Lab Smp Id: EXMAG1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 16-APR-2002 02:44
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMAG1AC
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

CONCENTRATIONS							
		ON-COL	FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO

\$	1	TCMX				CAS #: 877-09-8	
2.027	2.028	(-0.001)		1824005	0.01441	4.802	

		3	AROCLOR-1016			CAS #: 12674-11-2	
2.406	2.407	(-0.001)		1322134	0.71366	237.9 75.00- 125.00	100.00
2.727	2.728	(-0.001)		1934938	0.70127	233.8 107.38- 178.97	146.35
3.100	3.101	(-0.001)		3790602	0.76182	253.9 170.45- 284.09	286.70
3.219	3.219	(0.000)		1961433	0.73885	246.3 84.14- 140.23	148.35
3.314	3.315	(-0.001)		1350203	0.73622	245.4 55.65- 92.75	102.12
				Average of Peak Concentrations =		243.5	

		8	AROCLOR-1260			CAS #: 11096-82-5	
5.254	5.257	(-0.003)		2198618	0.73836	246.1 75.00- 125.00	100.00
6.093	6.096	(-0.003)		2369986	0.74214	247.4 80.94- 134.90	107.79
6.704	6.708	(-0.004)		1580462	0.71729	239.1 55.38- 92.30	71.88

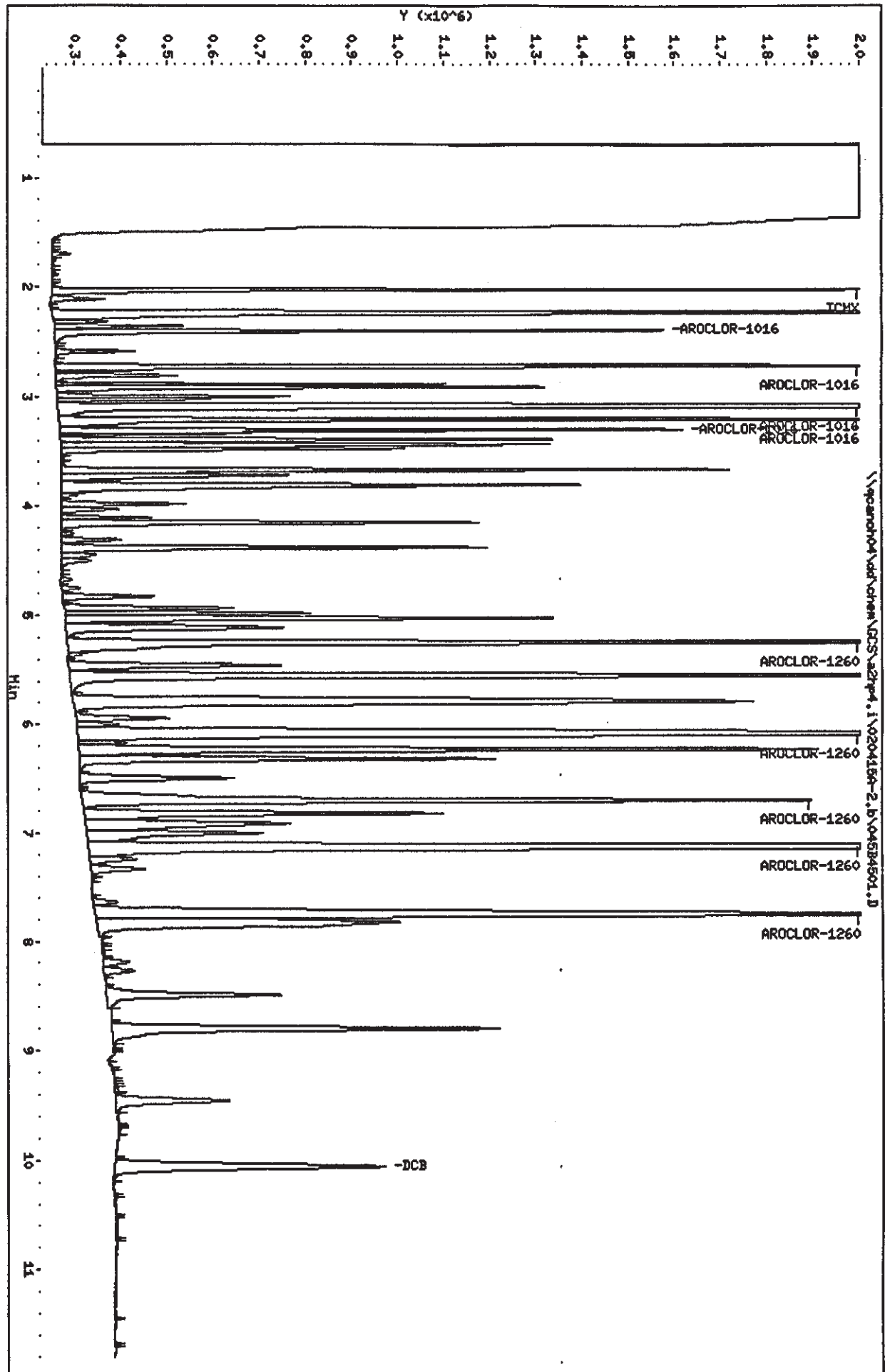
Data File: \\qcanoh04\dd\chem\GCS\2hp4.i\020415A-2.b\045B4501.D
 Report Date: 17-Apr-2002 06:15

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
..	.....	.....	ng)		(ug/kg)	.....	.....
8 AROCLOR-1260 (continued)							
7.127	7.129	(-0.002)	3823022	0.79507	265.0	131.82- 219.71	173.88
7.754	7.757	(-0.003)	2030511	0.75378	251.3	70.86- 118.10	92.35
Average of Peak Concentrations =					249.8		

§ 9 DCB				CAS #: 2051-24-3			
10.054	10.057	(-0.003)	588234	0.01524	5.081		

Data File: \\vearsoh04\soft\chem\GC5\az2hp4.1\020415R-2.B\045B4501.D
 Date: 16-APR-2002 02:44
 Client ID: INTRA-LAB CHECK
 Sample Info: EXHAUST
 Volume Injected (uL): 1.0
 Column phase: restek pest o/p1

Instrument: az2hp4.1
 Operator: 1808
 Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKM1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-102 EXMKM1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #...: 2100102
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Dissolved Aroclor-1016	101	(61 - 118)			SW846 8082
	94	(61 - 118)	7.3	(0-20)	SW846 8082
Dissolved Aroclor 1260	97	(61 - 124)			SW846 8082
	109	(61 - 124)	12	(0-27)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(45 - 120)
	78	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	53	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKM1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-102 EXMKM1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/13/02
 Prep Batch #...: 2100102
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Dissolved Aroclor-1016	10	10	ug/L	101		SW846 8082
	10	9.4	ug/L	94	7.3	SW846 8082
Dissolved Aroclor 1260	10	9.7	ug/L	97		SW846 8082
	10	11	ug/L	109	12	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(45 - 120)
	78	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	53	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\096B9601.D
 Lab Smp Id: EXMKM1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 13-APR-2002 16:16
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AC,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	FINAL (ug/L)	TARGET RANGE RATIO

#	1	TCMX			CAS #: 877-09-8	
2.027	2.025	(0.002)		2328859 0.01839	0.1839	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.405	2.404	(0.001)		1764591 0.95248	9.525 75.00- 125.00	100.00
2.727	2.726	(0.002)		2665410 0.96600	9.660 113.88- 189.79	151.05
3.100	3.098	(0.002)		5298647 1.06491	10.65 218.52- 364.20	300.28
3.218	3.217	(0.001)		2675623 1.00788	10.08 113.09- 188.49	151.63
3.313	3.312	(0.001)		1902194 1.03720	10.37 78.92- 131.53	107.80
Average of Peak Concentrations =					10.06	

8 AROCLOR-1260 CAS #: 11096-82-5						
5.252	5.251	(0.001)		3118633 1.04733	10.47 75.00- 125.00	100.00
6.091	6.089	(0.002)		3415402 1.06950	10.69 79.59- 132.65	109.52
6.702	6.701	(0.001)		2084191 0.94591	9.459 57.22- 95.37	66.83

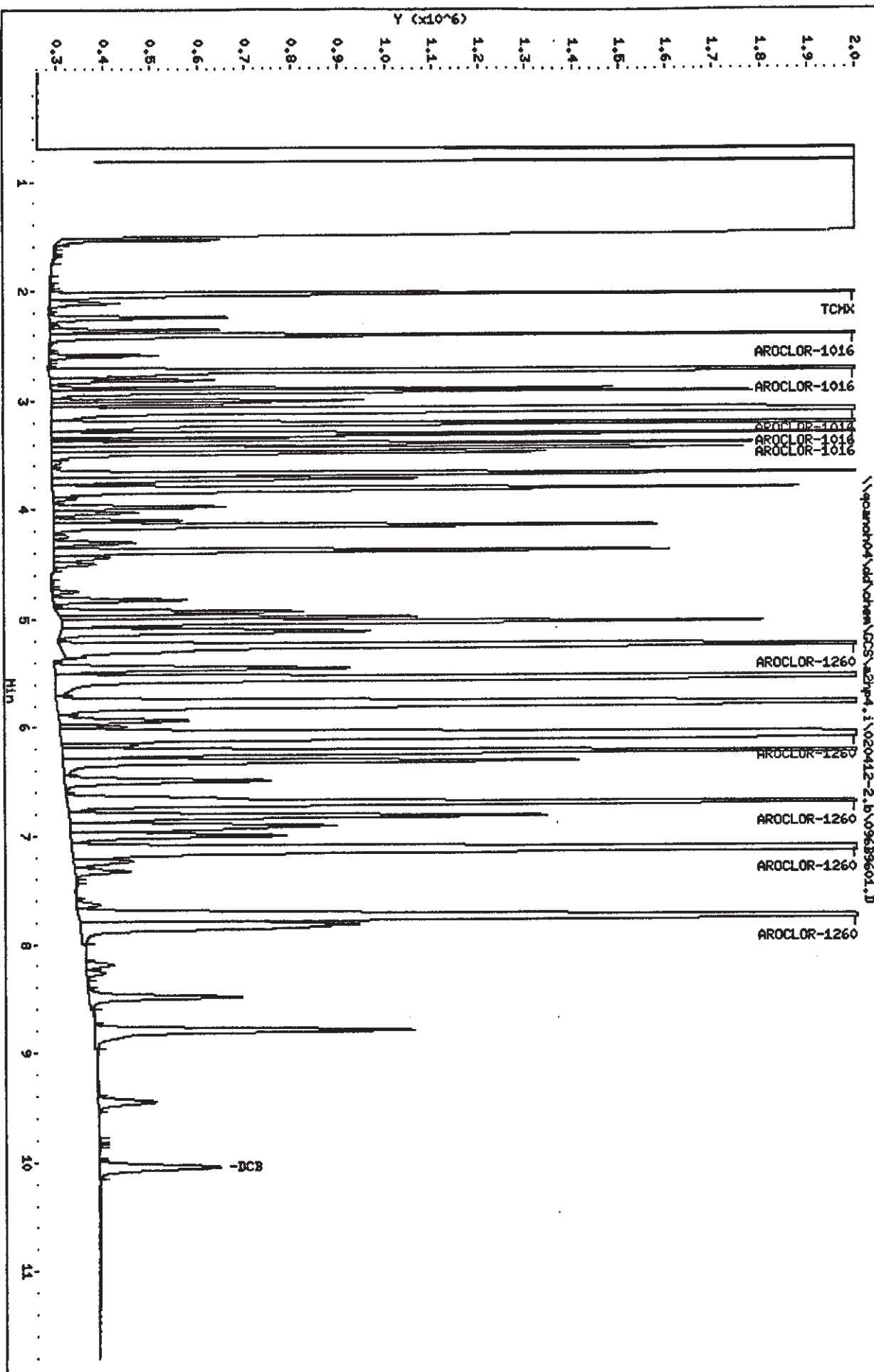
Data File: \\gcanoh04\dd\chem\GCS\2hp4.i\020412-2.b\096B9601.D
 Report Date: 15-Apr-2002 09:53

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
..	.....	.....	ng)		(ug/L)	.....	.....
8 AROCLOR-1260 (continued)							
7.125	7.122	(0.003)	4375713	0.91002	9.100	126.31- 210.52	140.31
7.752	7.750	(0.002)	2300799	0.85412	8.541	70.89- 118.16	73.78
Average of Peak Concentrations =					9.652		

8	9 DCB					CAS #: 2051-24-3	
10.049	10.047	(0.002)	259569	0.00673	0.06727		

Data File: \\sapanonh04\vol\chem\CCS\27p4.1\020412-2.b\09689601.D
Date: 13-APR-2002 16:16
Client ID: INTRA-LAB CHECK
Sample Info: EXHIBITC,5
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: 27p4.1
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\097B9701.D
 Report Date: 15-Apr-2002 09:53

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\097B9701.D
 Lab Smp Id: EXMKM1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 13-APR-2002 16:33
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AD,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS

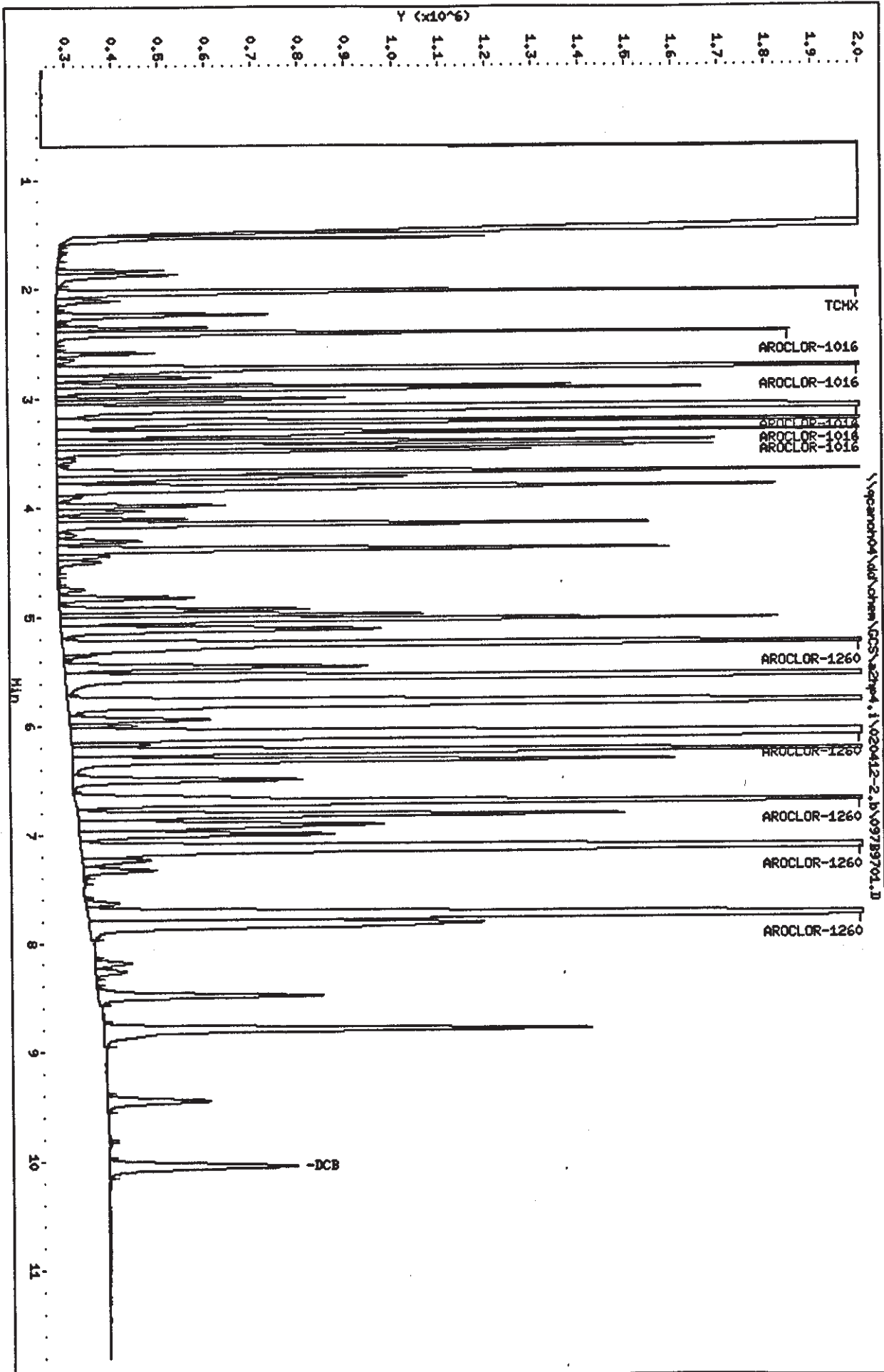
RT	EXP RT	DLT RT	ON-COL RESPONSE (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
§ 1 TCX						
2.027	2.025	(0.002)	1985053	0.01568	CAS #: 877-09-8 0.1568	
3 AROCLOR-1016						
2.405	2.404	(0.001)	1573501	0.84934	CAS #: 12674-11-2 8.493 75.00- 125.00	100.00
2.727	2.726	(0.001)	2437074	0.88325	8.832 113.88- 189.79	154.88
3.099	3.098	(0.001)	5100955	1.02518	10.25 218.52- 364.20	324.18
3.217	3.217	(0.000)	2512134	0.94630	9.463 113.09- 188.49	159.65
3.312	3.312	(0.000)	1782598	0.97199	9.720 78.92- 131.53	113.29
Average of Peak Concentrations =				9.352		
8 AROCLOR-1260						
5.252	5.251	(0.001)	3213436	1.07916	CAS #: 11096-82-5 10.79 75.00- 125.00	100.00
6.090	6.089	(0.001)	3541566	1.10901	11.09 79.59- 132.65	110.21
6.702	6.701	(0.001)	2375217	1.07799	10.78 57.22- 95.37	73.92

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
..
8 AROCLOR-1260 (continued)							
7.123	7.122	(0.001)	5304571	1.10319	11.03	126.31- 210.52	165.07
7.750	7.750	(0.000)	2880575	1.06935	10.69	70.89- 118.16	89.64
Average of Peak Concentrations =					10.88		

9 DCE					CAS #: 2051-24-3		
10.048	10.047	(0.001)	406935	0.01055	0.1054		

Data File: \\qapan004\dd\chem\GC5\azhp4.1\020412-2.b\097B9701.D
Date: 13-APR-2002 16:33
Client ID: INTRA-LAB CHECK
Sample Info: EKHKLAD,5
Purge Volume: 1000.0
Column phase: restek pest cipi

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKN1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-103 EXMKN1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/12/02
 Prep Batch #...: 2100103
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	99	(61 - 118)			SW846 8082
	102	(61 - 118)	3.4	(0-20)	SW846 8082
Aroclor 1260	92	(61 - 124)			SW846 8082
	103	(61 - 124)	12	(0-27)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	95	(45 - 120)
	97	(45 - 120)
Decachlorobiphenyl	32	(24 - 128)
	49	(24 - 128)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKN1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2D100000-103 EXMKN1AD-LCSD
 Prep Date.....: 04/10/02 Analysis Date...: 04/12/02
 Prep Batch #...: 2100103
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	10	9.9	ug/L	99		SW846 8082
	10	10	ug/L	102	3.4	SW846 8082
Aroclor 1260	10	9.2	ug/L	92		SW846 8082
	10	10	ug/L	103	12	SW846 8082

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	95	(45 - 120)
	97	(45 - 120)
Decachlorobiphenyl	32	(24 - 128)
	49	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\053B5301.D
 Report Date: 12-Apr-2002 08:05

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\053B5301.D
 Lab Smp Id: EXMKN1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 12-APR-2002 07:19
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AC,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
					CAS #: 877-09-8	
2.029	2.027	(0.002)	2394268	0.01891	0.1891	
					CAS #: 12674-11-2	
2.407	2.406	(0.001)	1794033	0.96838	9.684 75.00- 125.00	100.00
2.729	2.727	(0.002)	2703930	0.97997	9.800 112.69- 187.82	150.72
3.101	3.100	(0.001)	5213911	1.04788	10.48 215.03- 358.38	290.63
3.220	3.218	(0.002)	2584338	0.97350	9.735 108.97- 181.62	144.05
3.315	3.314	(0.001)	1766548	0.96324	9.632 76.20- 127.00	98.47
Average of Peak Concentrations =				9.866		
					CAS #: 11096-82-5	
5.255	5.254	(0.001)	3004616	1.00904	10.09 75.00- 125.00	100.00
6.095	6.092	(0.003)	3282294	1.02782	10.28 78.02- 130.04	109.24
6.707	6.705	(0.002)	1964744	0.89170	8.917 55.53- 92.55	65.39

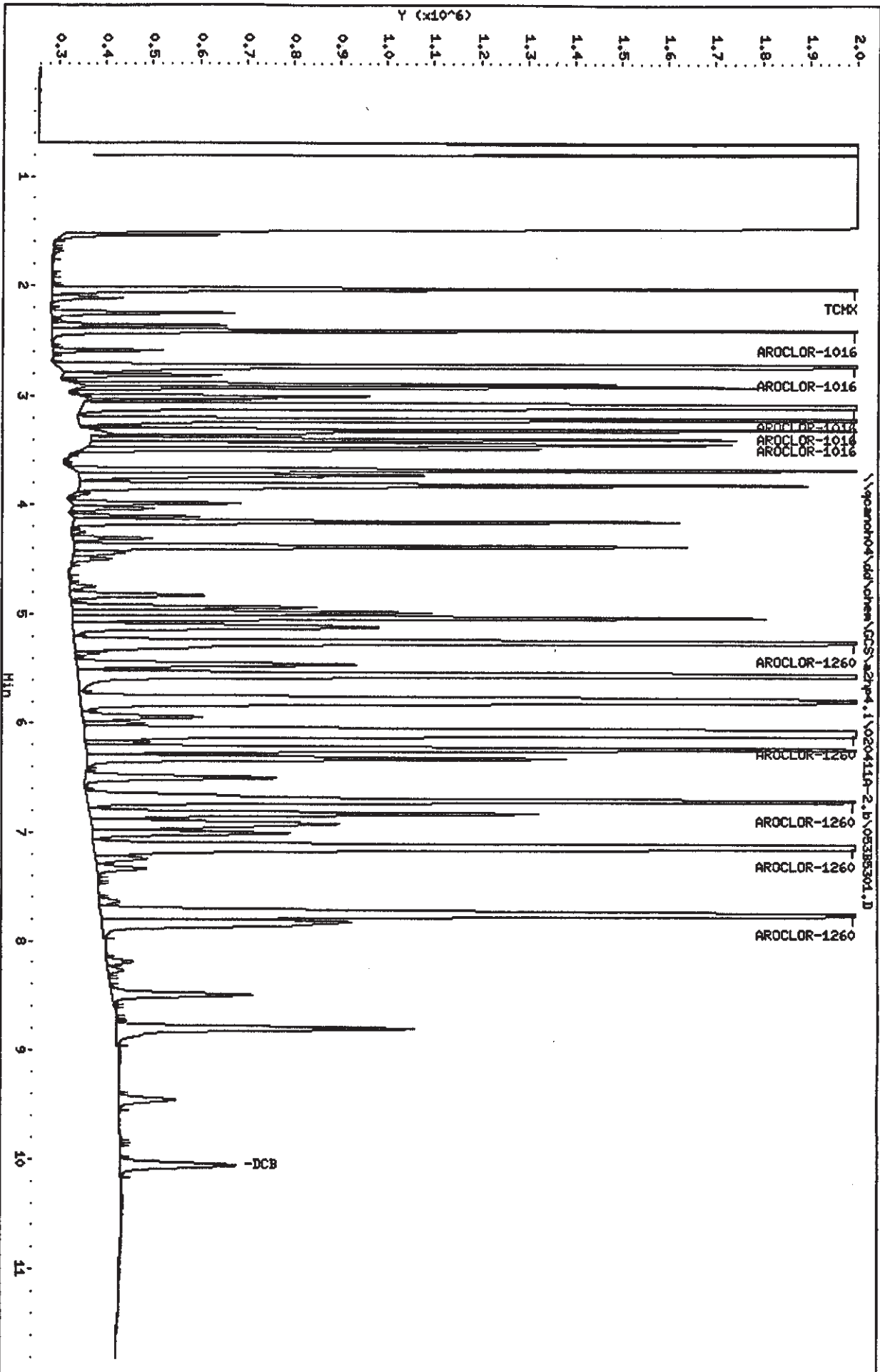
Data File: \\gcanoh04\dd\chem\GCS\2hp4.i\020411A-2.b\053B5301.D
 Report Date: 12-Apr-2002 08:05

CONCENTRATIONS								
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
8 AROCLOR-1260 (continued)								
7.128	7.127	(0.001)		4141463	0.86130	8.613	121.68- 202.81	137.84
7.758	7.755	(0.003)		2135879	0.79290	7.929	67.29- 112.16	71.09
Average of Peak Concentrations ~					9.166			

8 9 DCB					CAS #: 2051-24-3			
10.058	10.056	(0.002)		245681	0.00637	0.06367		

Data File: \\qanor04\dd\chem\CCS\azhp4.1\020411a-2.b\05385301.D
 Date: 12-09-2002 07:19
 Client ID: INTRA-LAB CHECK
 Sample Info: EXKMLAC/5
 Purge Volume: 1000.0
 Column phases: restek pestek o/p1

Instrument: azhp4.1
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\054B5401.D
 Lab Smp Id: EXMKN1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 12-APR-2002 07:35
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AD,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/L)	TARGET RANGE RATIO

\$ 1	TCMX				CAS #: 877-09-8	
2.027	2.027	(0.000)	2460893	0.01944	0.1944	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.407	2.406	(0.001)	1876052	1.01265	10.13 75.00- 125.00	100.00
2.727	2.727	(0.000)	2751066	0.99705	9.970 112.69- 187.82	146.64
3.100	3.100	(0.000)	5179020	1.04086	10.41 215.03- 358.38	276.06
3.218	3.218	(0.000)	2697400	1.01609	10.16 108.97- 181.62	143.78
3.314	3.314	(0.000)	1902362	1.03730	10.37 76.20- 127.00	101.40
Average of Peak Concentrations =					10.21	

8	AROCLOR-1260				CAS #: 11096-82-5	
5.254	5.254	(0.000)	3143799	1.05578	10.56 75.00- 125.00	100.00
6.092	6.092	(0.000)	3372572	1.05609	10.56 78.02- 130.04	107.28
6.705	6.705	(0.000)	2233640	1.01374	10.14 55.53- 92.55	71.05

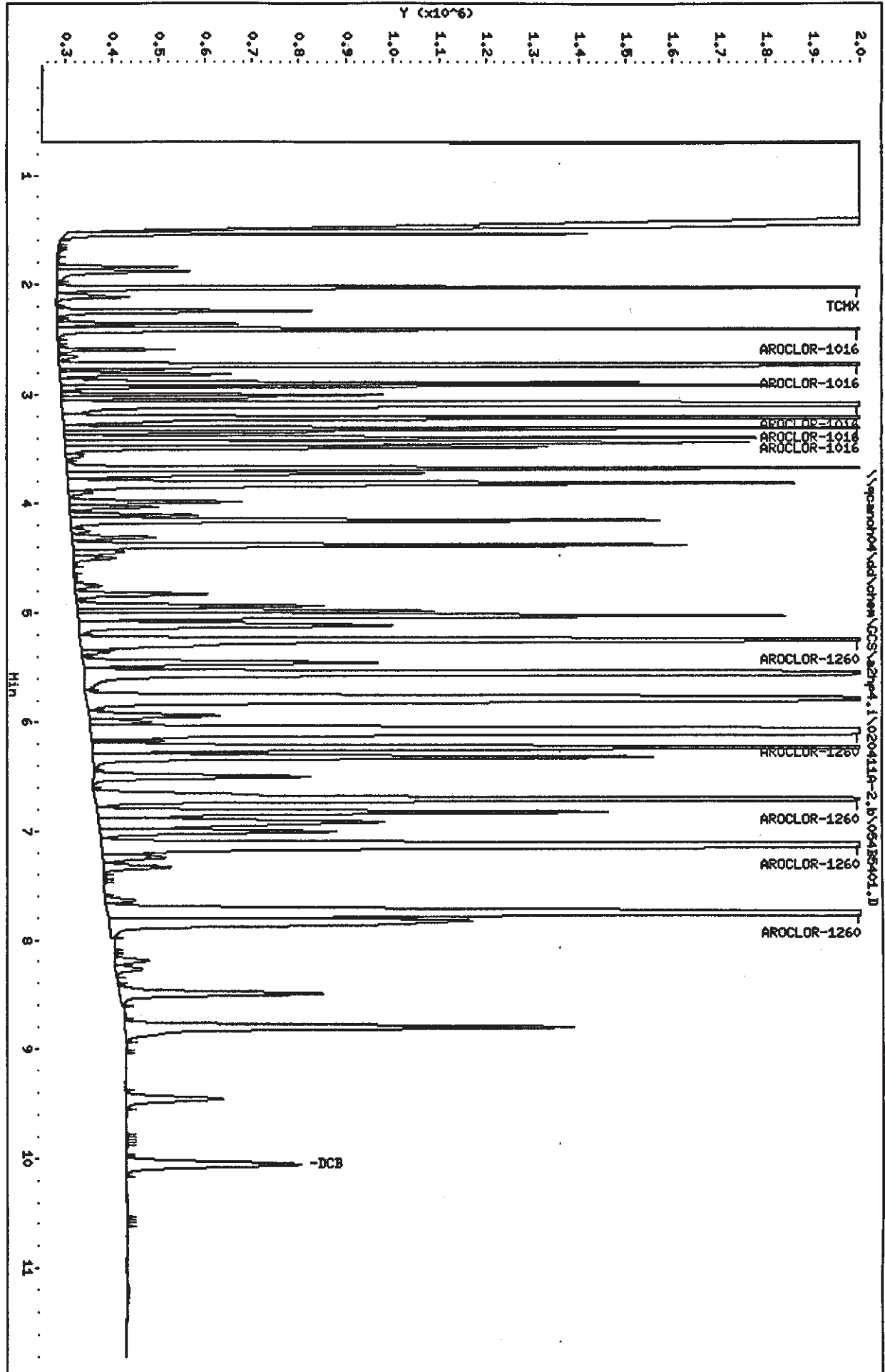
Data File: \\qcanoh04\dd\chem\GCS\2hp4.1\020411A-2.b\054B5401.D
 Report Date: 12-Apr-2002 08:05

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
..
§ AROCLOR-1260 (continued)							
7.127	7.127	(0.000)	4994538	1.03871	10.39	121.68- 202.81	158.87
7.755	7.755	(0.000)	2682370	0.99577	9.958	67.29- 112.16	85.32
Average of Peak Concentrations =					10.32		

§ 9 DCB			CAS #: 2051-24-3				
10.054	10.056	(-0.002)	376216	0.00975	0.09749		

Data File: \\vpcan04\add\chem\GC5\azhp4.1\020411R-2.B\05435401.D
 Date: 12-APR-2002 07:35
 Client ID: INTR-LAB CHECK
 Sample Info: EXXKLAD.5
 Purge Volume: 1000.0
 Column phase: restek pest c1p1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXL981AA Matrix.....: SOLID
 MB Lot-Sample #: A2D090000-545 Prep Date.....: 04/10/02 Final Wgt/Vol...: 10 mL
 Analysis Date...: 04/14/02 Prep Batch #...: 2099545
 Dilution Factor: 1 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(31 - 127)
Decachlorobiphenyl	114	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\007B0701.D
 Report Date: 15-Apr-2002 12:16

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020414A-2.b\007B0701.D
 Lab Smp Id: EXL981AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 14-APR-2002 12:57
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXL981AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020414A-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 12:14 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

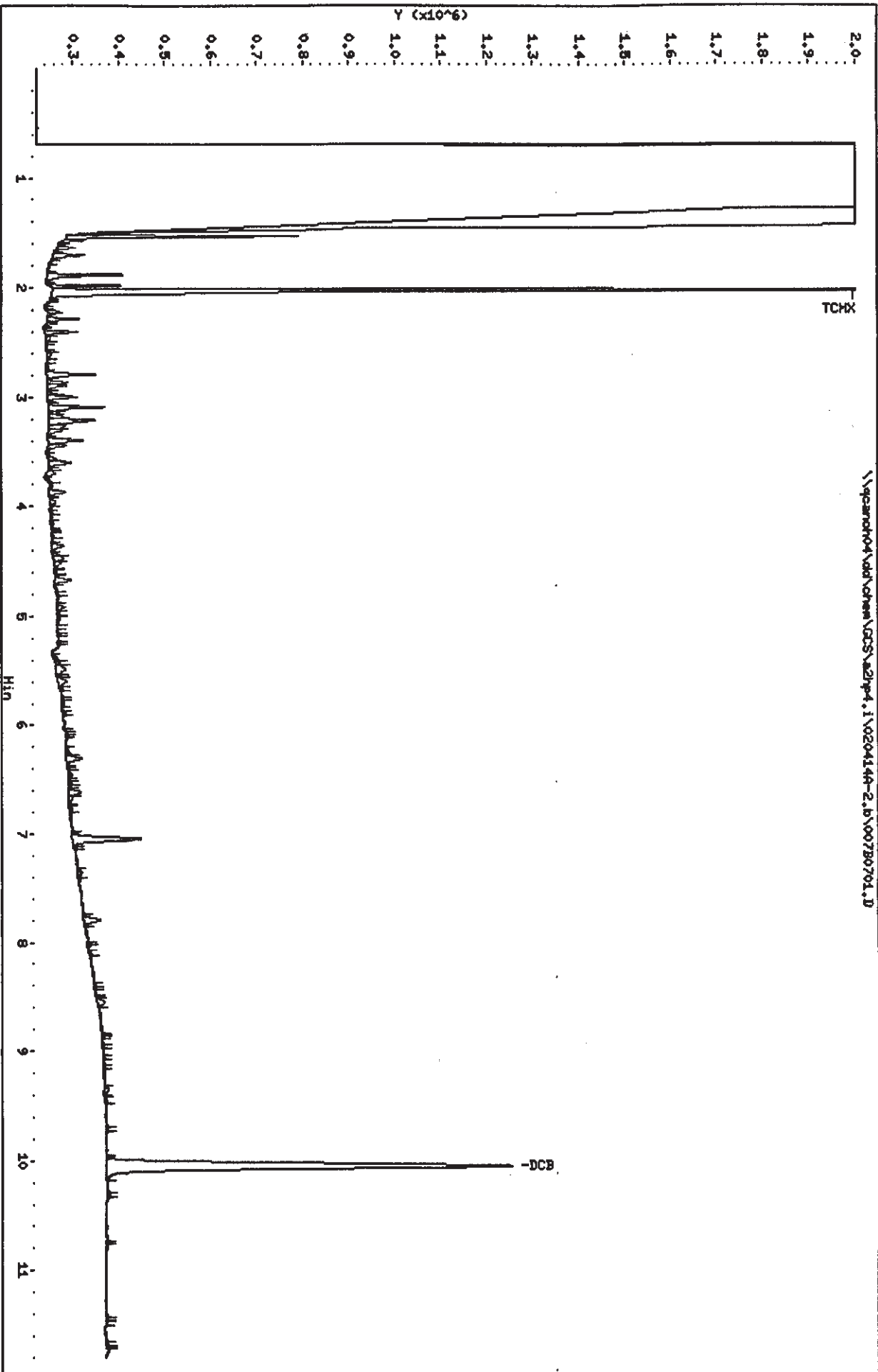
ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
2.025	2.026	(-0.001)	2320029	0.01832	6.108	
2 AROCLOR-1221			CAS #: 11104-28-2			
Compound Not Detected						
3 AROCLOR-1016			CAS #: 12674-11-2			
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						
7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						
8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						
10						
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						
12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						
9						
9 DCB			CAS #: 2051-24-3			
10.049	10.052	(-0.003)	882164	0.02286	7.620	

Data File: \\qparn04\ddi\chem\GC5\ad2hp4.1\020414#-2.B\007B0701.D
Date: 14-APR-2002 12:57
Client ID: INTR0-L03 BLANK
Sample Info: EXL9810#
Volume Injected (uL): 1.0
Column phase: restek pest o1p1

Instrument: ad2hp4.1
Operator: 1806
Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMAG1AA Matrix.....: SOLID
 MB Lot-Sample #: A2D090000-546 Prep Date.....: 04/10/02 Final Wgt/Vol...: 10 mL
 Analysis Date...: 04/16/02 Prep Batch #...: 2099546
 Dilution Factor: 1 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	81	(31 - 127)
Decachlorobiphenyl	95	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\044B4401.D
 Report Date: 17-Apr-2002 06:15

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\044B4401.D
 Lab Smp Id: EXMAG1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 16-APR-2002 02:28
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMAG1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
2.028	2.028	(0.000)	2057092	0.01625	5.415	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

NO

		CONCENTRATIONS			
RT	EXP RT	DLT RT	ON-COL	FINAL	
---	-----	-----	RESPONSE (ng)	(ug/kg)	TARGET RANGE
---	-----	-----	-----	-----	-----
4				CAS #: 11141-16-5	
Compound Not Detected					
5				CAS #: 53469-21-9	
Compound Not Detected					
6				CAS #: 12672-29-6	
Compound Not Detected					
7				CAS #: 11097-69-1	
Compound Not Detected					
8				CAS #: 11096-82-5	
Compound Not Detected					
10				CAS #:	
Peaks not detected for Quant. or Qual. signal(s).					
12				CAS #:	
Operator disabled compound identification.					
9	DCB			CAS #: 2051-24-3	
10.057	10.057	(0.000)	732322	0.01898	6.326

Data File: \\qpcan04\dd\chem\GCS\azhp4.1\0204150-2.b\044B4401.D

Date: 16-APR-2002 02:28

Client ID: INTRA-LAB BLANK

Sample Info: EXH0100

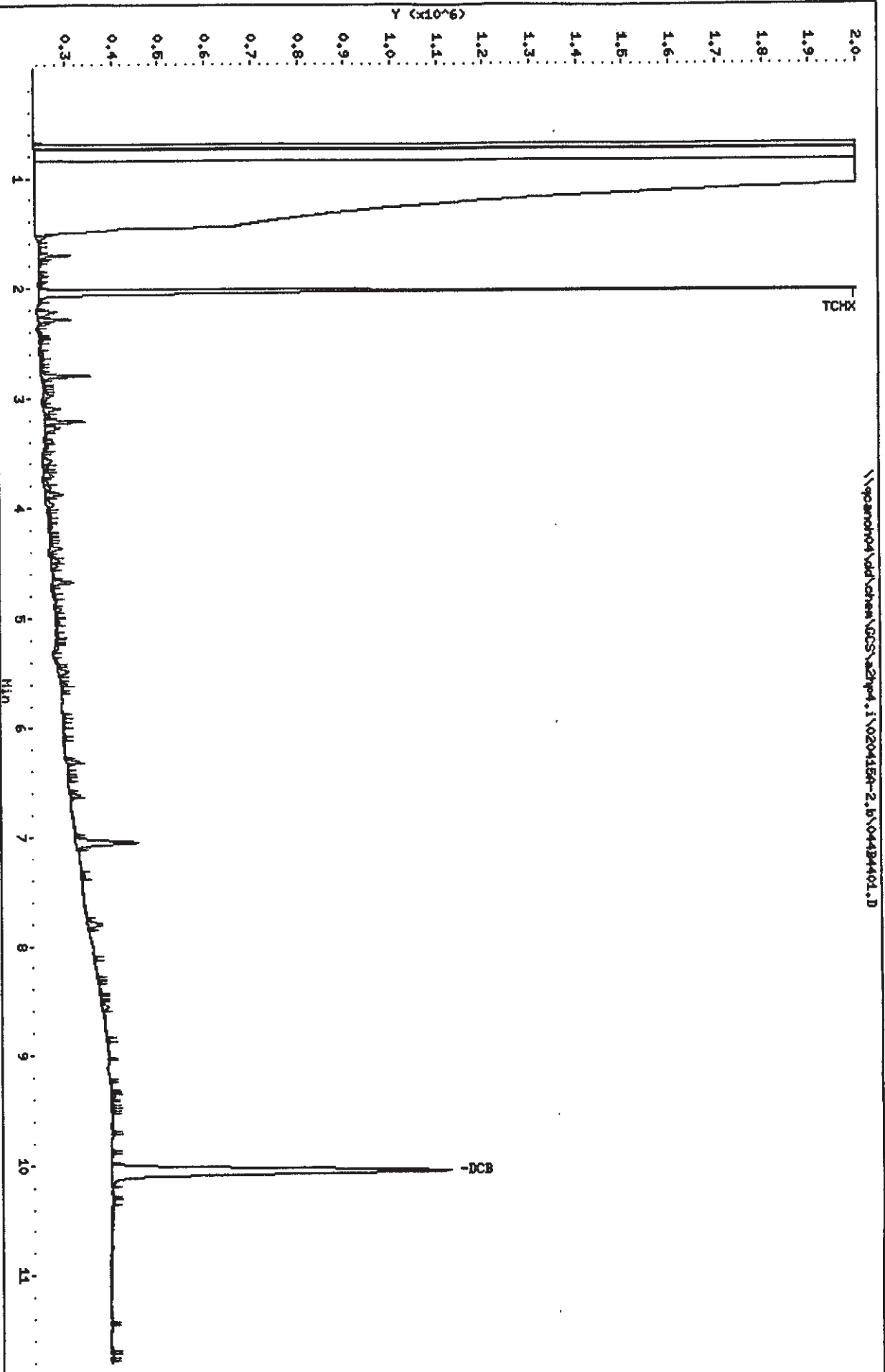
Volume Injected (uL): 1.0

Column phase: restek pest 01PI

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKM1AA Matrix.....: WATER
 MB Lot-Sample #: A2D100000-102 Prep Date.....: 04/10/02 Final Wgt/Vol...: 2 mL
 Analysis Date...: 04/13/02 Prep Batch #...: 2100102
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Dissolved Aroclor-1016	ND	0.20	ug/L	SW846 8082
Dissolved Aroclor 1221	ND	0.20	ug/L	SW846 8082
Dissolved Aroclor 1232	ND	0.40	ug/L	SW846 8082
Dissolved Aroclor 1242	ND	0.20	ug/L	SW846 8082
Dissolved Aroclor 1248	ND	0.20	ug/L	SW846 8082
Dissolved Aroclor 1254	ND	0.20	ug/L	SW846 8082
Dissolved Aroclor 1260	ND	0.20	ug/L	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	84	(45 - 120)
Decachlorobiphenyl	86	(24 - 128)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\095B9501.D
 Report Date: 15-Apr-2002 09:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020412-2.b\095B9501.D
 Lab Smp Id: EXMKM1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 13-APR-2002 16:00
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKM1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020412-2.b\HP4PCBR.m
 Meth Date : 15-Apr-2002 09:43 molm Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ug/L)		
-----			-----	-----	-----	-----
1	2.036	2.025 (0.011)	10638230 0.08402	0.1680	CAS #: 877-09-8	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

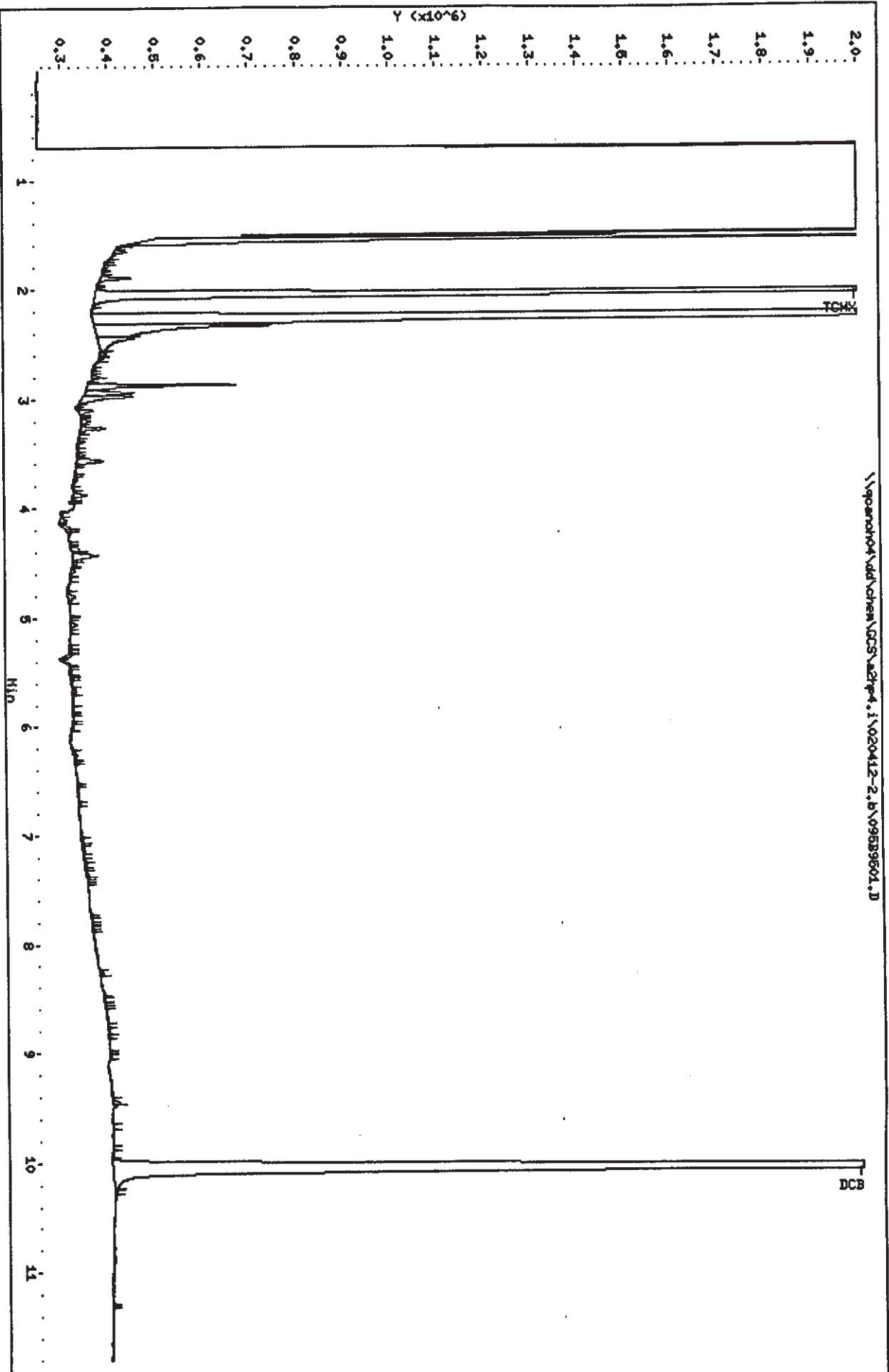
3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----
4			AROCLOR-1232		CAS #: 11141-16-5	
Compound Not Detected						
5			AROCLOR-1242		CAS #: 53469-21-9	
Compound Not Detected						
6			AROCLOR-1248		CAS #: 12672-29-6	
Compound Not Detected						
7			AROCLOR-1254		CAS #: 11097-69-1	
Peaks not detected for Quant. or Qual. signal(s).						
8			AROCLOR-1260		CAS #: 11096-82-5	
Peaks not detected for Quant. or Qual. signal(s).						
10			AROCLOR-1262		CAS #:	
Operator disabled compound identification.						
12			AROCLOR-1268		CAS #:	
Operator disabled compound identification.						
9	DCB				CAS #: 2051-24-3	
10.048	10.047	(0.001)	3311364	0.08581	0.1716	

Data File: \\qpcan004\ddt\chem\GC5\astp4.1\020412-2.b\095B9501.D
Date: 13-APR-2002 16:00
Client ID: INTRA-LAB BLANK
Sample Info: EXRCH100
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: astp4.1
Operator: 1808
Column diameter: 0.53

\\qpcan004\ddt\chem\GC5\astp4.1\020412-2.b\095B9501.D



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXMKN1AA Matrix.....: WATER
 MB Lot-Sample #: A2D100000-103 Prep Date.....: 04/10/02 Final Wgt/Vol...: 2 mL
 Analysis Date...: 04/12/02 Prep Batch #...: 2100103
 Dilution Factor: 1 Initial Wgt/Vol: 1000 mL

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.20	ug/L	SW846 8082
Aroclor 1221	ND	0.20	ug/L	SW846 8082
Aroclor 1232	ND	0.40	ug/L	SW846 8082
Aroclor 1242	ND	0.20	ug/L	SW846 8082
Aroclor 1248	ND	0.20	ug/L	SW846 8082
Aroclor 1254	ND	0.20	ug/L	SW846 8082
Aroclor 1260	ND	0.20	ug/L	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	96	(45 - 120)
Decachlorobiphenyl	90	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020411A-2.b\052B5201.D
 Lab Smp Id: EXMKN1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 12-APR-2002 07:01
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXMKN1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020411A-2.b\HP4PCBR.m
 Meth Date : 12-Apr-2002 08:04 tapsvc Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

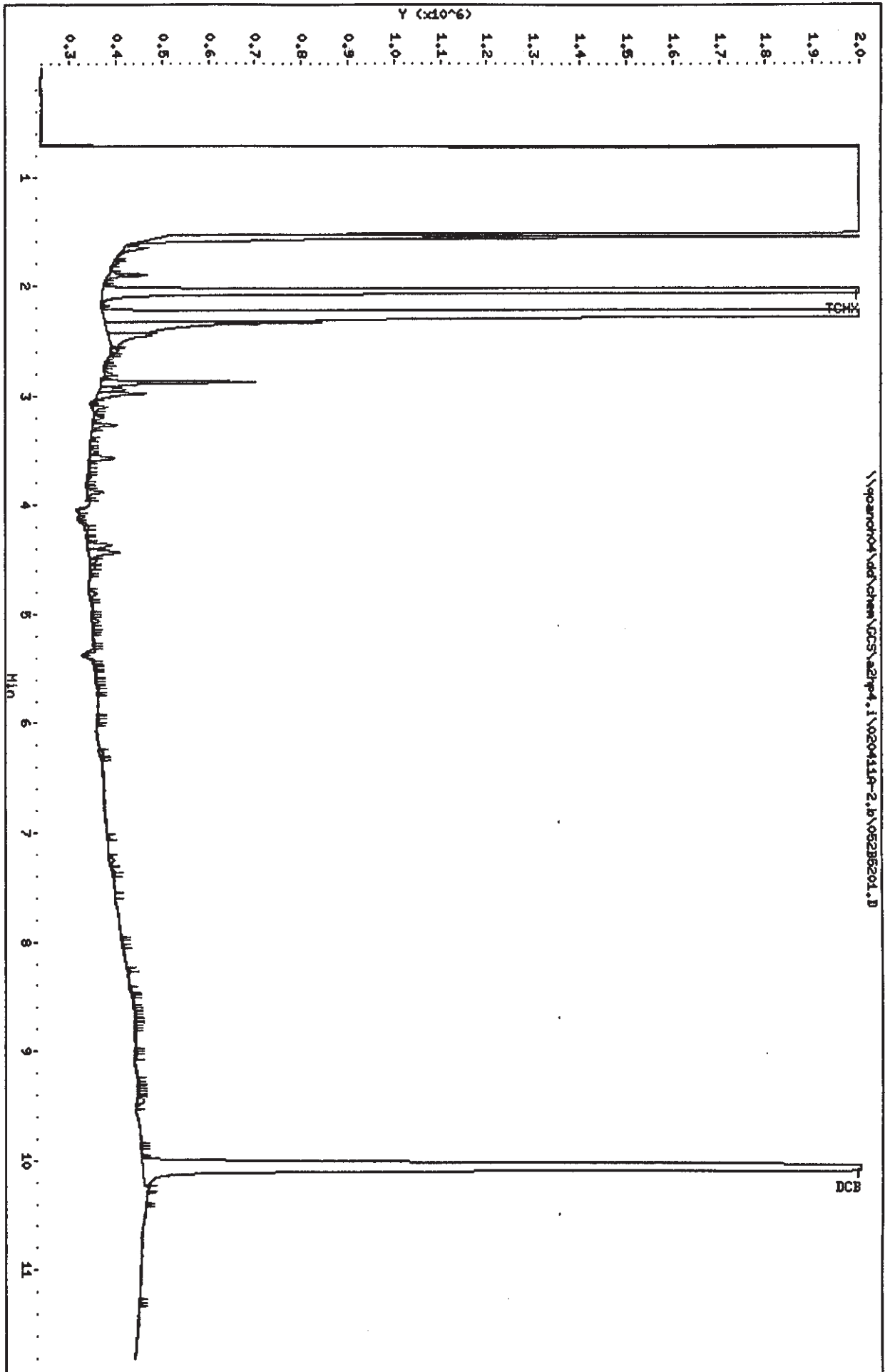
RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/L)		
2.038	2.027	(0.011)	12103126	0.09559	0.1912	
2 AROCLOR-1221			CAS #: 11104-28-2			
Compound Not Detected						
3 AROCLOR-1016			CAS #: 12674-11-2			
Compound Not Detected						

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/L)		
4						
Compound Not Detected						
5						
Compound Not Detected						
6						
Compound Not Detected						
7						
Compound Not Detected						
8						
Peaks not detected for Quant. or Qual. signal(s).						
10						
Operator disabled compound identification.						
12						
Operator disabled compound identification.						
9						
10.053	10.056	{-0.003}	3482708	0.09025	0.1805	

Data File: \\gsanrd04\dd\chem\GC5\az1p4.1\020411R-2.1\05235201.D
Date: 12-18-2002 07:01
Client ID: INTRO-LAB BLANK
Sample Info: EXXKML04
Purge Volume: 1000.0
Column phase: restek pest c1p1

Instrument: az1p4.1
Operator: 1808
Column diameter: 0.53



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXKKW1AC-MS Matrix.....: SO
 MS Lot-Sample #: A2D090104-004 EXKKW1AD-MSD
 Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 10 Initial Wgt/Vol: 30.08 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	252 DIL, a	(26 - 144)			SW846 8082
	294 DIL, a	(26 - 144)	15	(0-39)	SW846 8082
Aroclor 1260	75 DIL	(37 - 138)			SW846 8082
	105 DIL	(37 - 138)	16	(0-33)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	0.0	(31 - 127)
	Qualifiers: DIL, *	
	0.0	(31 - 127)
	Qualifiers: DIL, *	
Decachlorobiphenyl	0.0	(23 - 141)
	Qualifiers: DIL, *	
	0.0	(23 - 141)
	Qualifiers: DIL, *	

NOTE(S) :

- Calculations are performed before rounding to avoid round-off errors in calculated results.
- Bold print denotes control parameters
- DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
- a Spiked analyte recovery is outside stated control limits.
- Results and reporting limits have been adjusted for dry weight.
- * Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2D090104 Work Order #...: EXKKW1AC-MS Matrix.....: SO
 MS Lot-Sample #: A2D090104-004 EXKKW1AD-MSD
 Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
 Prep Date.....: 04/10/02 Analysis Date...: 04/16/02
 Prep Batch #...: 2099546
 Dilution Factor: 10 Initial Wgt/Vol: 30.08 g Final Wgt/Vol...: 10 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	ND	600	1500	ug/kg	252		SW846 8082
		Qualifiers: DIL, a					
Aroclor 1260	ND	600	1800	ug/kg	294	15	SW846 8082
		Qualifiers: DIL, a					
Aroclor 1260	580	600	1000	ug/kg	75	DIL	SW846 8082
	580	600	1200	ug/kg	105	16	SW846 8082
		Qualifiers: DIL					

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0	(31 - 127)
	Qualifiers: DIL, *	
	0.0	(31 - 127)
	Qualifiers: DIL, *	
Decachlorobiphenyl	0.0	(23 - 141)
	Qualifiers: DIL, *	
	0.0	(23 - 141)
	Qualifiers: DIL, *	

NOTE(S) :

- Calculations are performed before rounding to avoid round-off errors in calculated results.
- Bold print denotes control parameters
- DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
- a Spiked analyte recovery is outside stated control limits.
- Results and reporting limits have been adjusted for dry weight.
- * Surrogate recovery is outside stated control limits.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\051B5101.D
 Lab Smp Id: EXKKW1AC Client Smp ID: SD-00-040802-GS-162
 Inj Date : 16-APR-2002 04:23
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKW1AC,10
 Misc Info : 12-AR1660TD.SUB,SMS.SPK
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: MS
 Dil Factor: 10.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: CANPGCSV02

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.080	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	ON-COL	FINAL	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX CAS #: 877-09-8

Operator disabled compound identification.

3 AROCLOR-1016				CAS #: 12674-11-2					
2.405	2.407	(-0.002)		267518	0.14440	480.0	75.00- 125.00	100.00 (RM)	
2.728	2.728	(0.000)		570270	0.20668	687.1	107.38- 178.97	213.17	
3.100	3.101	(-0.001)		1794715	0.36070	1199	170.45- 284.09	670.88	
3.219	3.219	(0.000)		571254	0.21519	715.4	84.14- 140.23	213.54	
3.314	3.315	(-0.001)		611274	0.33331	1108	55.65- 92.75	228.50	
Average of Peak Concentrations =				837.9					

MM 4/17/02

8 AROCLOR-1260				CAS #: 11096-82-5					
5.253	5.257	(-0.004)		572093	0.19213	638.7	75.00- 125.00	100.00 (R)	
6.091	6.096	(-0.005)		554907	0.17376	577.7	80.94- 134.90	97.00	

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
*****	*****	*****	RESPONSE (ng)	(ug/kg)	*****	*****
8 AROCLOR-1260 (continued)						
6.703	6.708	(-0.005)	358864	0.16287	541.4 55.38- 92.30	62.73
7.124	7.129	(-0.005)	773865	0.16094	535.0 131.82- 219.71	135.27
7.752	7.757	(-0.005)	452858	0.16811	558.9 70.86- 118.10	79.16
Average of Peak Concentrations =				570.3		

9 DCB

CAS #: 2051-24-3

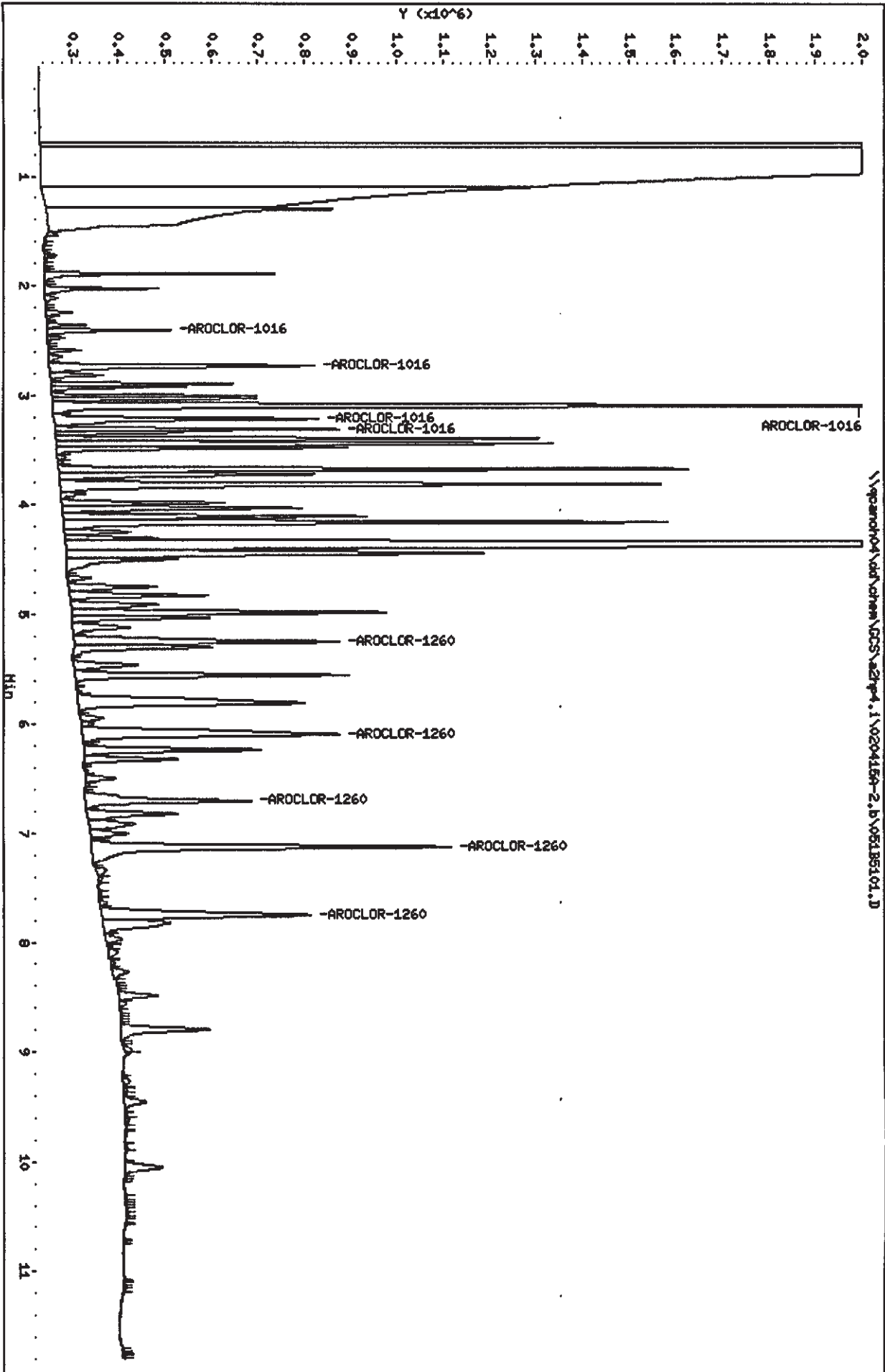
Operator disabled compound identification.

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\qcar04\dd\chem\SCS\az7p4.1\0204159-2.b\0515101.D
 Date: 16-APR-2002 04:23
 Client ID: SD-00-040802-GS-162
 Sample Info: EXXONLAC.10
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p11

Instrument: az7p4.1
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\052B5201.D
 Lab Smp Id: EXKKW1AD Client Smp ID: SD-00-040802-GS-162
 Inj Date : 16-APR-2002 04:40
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : EXKKW1AD,10
 Misc Info : 12-AR1660TD.SUB,SMS.SPK
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020415A-2.b\HP4PCBR.m
 Meth Date : 16-Apr-2002 13:52 risdenr Quant Type: ESTD
 Cal Date : 15-MAR-2002 10:51 Cal File: 027B2701.D
 Als bottle: 1 QC Sample: MSD
 Dil Factor: 10.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: CANPGCSV02

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.020	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----

1 TCX CAS #: 877-09-8

Operator disabled compound identification.

3 AROCLOR-1016				CAS #: 12674-11-2			
2.406	2.407	(-0.001)	296122	0.15984	532.4	75.00- 125.00	100.00(RM)
2.728	2.728	(0.000)	587787	0.21303	709.6	107.38- 178.97	198.49
3.101	3.101	(0.000)	2253771	0.45296	1509	170.45- 284.09	761.10
3.218	3.219	(-0.001)	609237	0.22949	764.5	84.14- 140.23	205.74
3.313	3.315	(-0.002)	758001	0.41331	1377	55.65- 92.75	255.98
Average of Peak Concentrations =					978.5		

MM 4/17/02

8 AROCLOR-1260				CAS #: 11096-82-5			
5.253	5.257	(-0.004)	690002	0.23172	771.9	75.00- 125.00	100.00(R)
6.093	6.096	(-0.003)	660715	0.20690	689.2	80.94- 134.90	95.76

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			RESPONSE (ng)	FINAL (ug/kg)		
6.705	6.708	(-0.003)	412904	0.18740	624.2 55.38- 92.30	59.84
7.128	7.129	(-0.001)	907168	0.18866	628.4 131.82- 219.71	131.47
7.754	7.757	(-0.003)	519559	0.19288	642.5 70.86- 118.10	75.30
Average of Peak Concentrations =				671.2		

 \$ 9 DCB CAS #: 2051-24-3

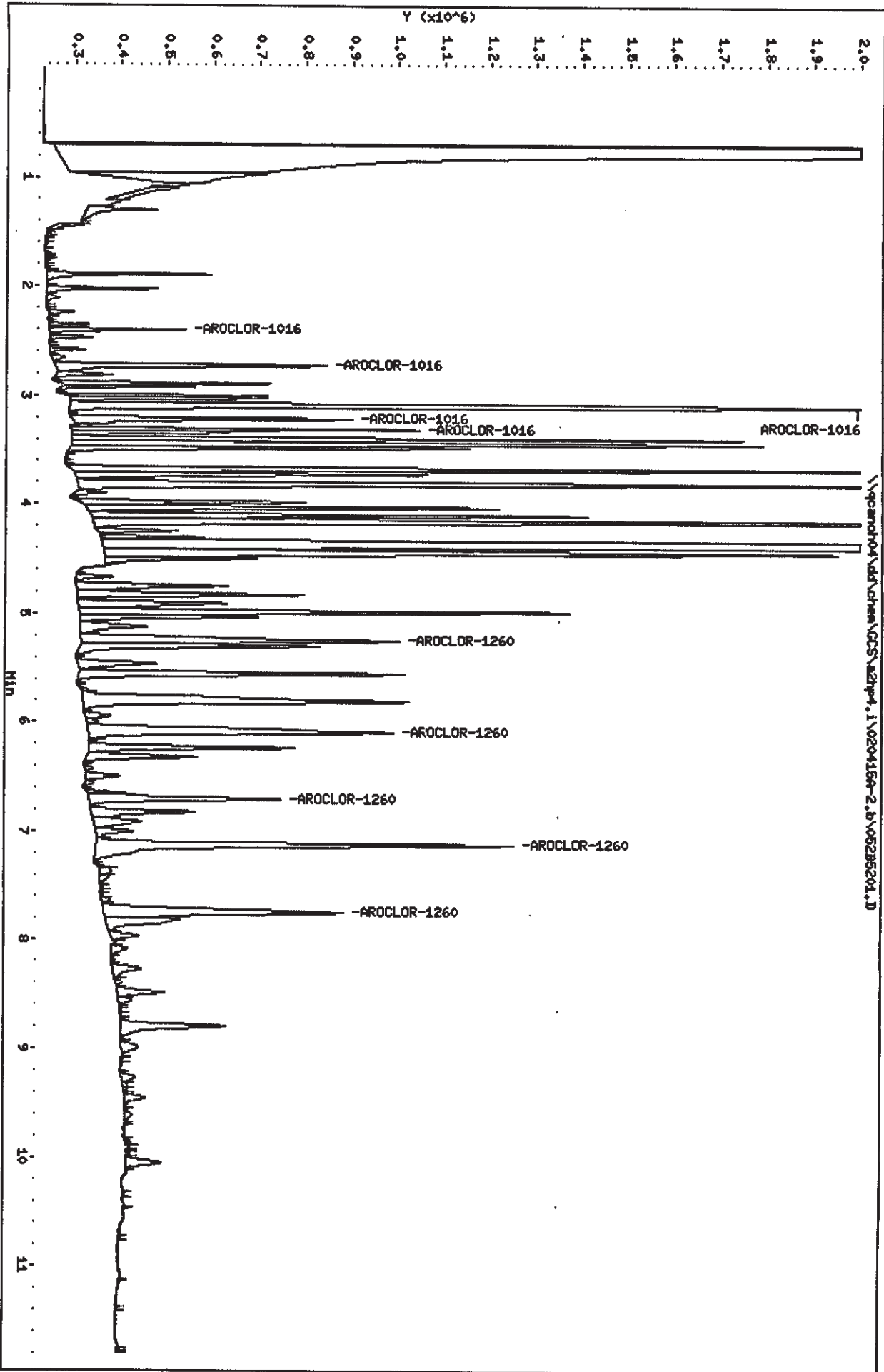
Operator disabled compound identification.

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\qpcand04\ndf\chem\GCS\azhp4.1\020415a-2.b\05285201.D
Date : 16-APR-2002 04:40
Client ID: SD-00-040802-GS-162
Sample Info: EKKMADJ.10
Volume Injected (uL): 1.0
Column phase: restek pest c1p11

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53





MISCELLANEOUS DATA

P2 41
P5

=====
HP6890 GC METHOD
=====

OVEN

Initial temp: 170 'C (On) Maximum temp: 330 'C
Initial time: 0.65 min Equilibration time: 2.00 min
Ramps:
 # Rate Final temp Final time
 1 25.00 225 0.75
 2 9.00 270 3.00
 3 0.0(Off)
Post temp: 170 'C
Post time: 0.00 min
Run time: 11.60 min

FRONT INLET (UNKNOWN)

Mode: Splitless
Initial temp: 225 'C (On)
Pressure: 6.00 psi (On)
Purge flow: 40.0 mL/min
Purge time: 0.50 min
Total flow: 49.7 mL/min
Gas saver: Off
Gas type: Hydrogen

BACK INLET ()

COLUMN 1

Capillary Column
Model Number: RESTEK RILEY
CLPR
Max temperature: 420 'C
Nominal length: 25.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.52 um
Mode: constant pressure
Pressure: 6.00 psi
Nominal initial flow: 1.8 mL/min
Average velocity: 45 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: RESTEK RILEY
CLPR
Max temperature: 420 'C
Nominal length: 25.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.52 um
Mode: (see column 1)
Pressure: 6.00 psi
Nominal initial flow: 1.8 mL/min
Average velocity: 45 cm/sec
Inlet: Front Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant column+makeup flow
Combined flow: 60.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

BACK DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant column+makeup flow
Combined flow: 60.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0

Fast Peaks: Off
Attenuation: 0

Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

7673 Injector

Front Injector:

Sample Washes	4
Sample Pumps	2
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	4
PostInj Solvent B Washes	4
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

vu

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020315IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	====	=====	=====	=====	=====	=====	=====	=====	=====

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====

03/15/02

1	1	PRIMER
2	2	HEXANE
3	3	1232,,1,1
4	4	1232,,1,2
5	5	1232,,1,3
6	6	1232,,1,4
7	7	1232,,1,5
8	8	1242,,1,1
9	9	1242,,1,2
10	10	1242,,1,3
11	11	1242,,1,4
12	12	1242,,1,5
13	13	1248,,1,1
14	14	1248,,1,2
15	15	1248,,1,3
16	16	1248,,1,4
17	17	1248,,1,5
18	18	2154,,1,1
19	19	2154,,1,2
20	20	2154,,1,3

PASS F/R

Sequence: C:\HPCHEM\1\020315IC.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
03/15/02						
21	21	2154,,1,4				
22	22	2154,,1,5				
23	23	1660,,1,1				
24	24	1660,,1,2				
25	25	1660,,1,3				
26	26	1660,,1,4				
27	27	1660,,1,5				
28	28	ICV				

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
Print Configuration: No
Print Sequence: No
Print Logbook: No
Print Method(s): No
Print Analysis reports: No
Print Statistics for Calib. runs: No
Print Statistics for Sample runs: No
Summary style: Sample Summary

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020411A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval
------	------	------------	--------	--------	-----------	-----------	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

4/11/02

1	1	HEX				
2	2	1232,,2	pass f/R			
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2	pass AVG F/pass R			
7	7	- EXMP11AA,20				
8	8	- EXMP71AA,20				
9	9	- EXMP81AA,20				
10	10	- EXMP91AA,2				
11	11	HEX				
12	12	- EXMQA1AA,5				
13	13	- EXMQA1AC,5				
14	14	- EXMQA1AD,5				
15	15	- EXMQF1AA				
16	16	- EXMQH1AA				
17	17	- EXMQJ1AA,2000	RR 10x (20,000x5f)			
18	18	- EXMQL1AA,1000				
19	19	HEX				
20	20	- EXMQM1AA,20				

rear

Sequence: C:\HPCHEM\1\020411A.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
4/11/02	21	21	1660,,2 pass F/R			
	22	22	EXMQN1AA,1000			
	23	23	EXMQP1AA,5			
	24	24	EXMQQ1AA,5			
	25	25	EXMQT1AA,100 RR2x (200xST)			
	26	26	EXMQV1AA,200 RR2x (400xST)			
4/12/02	27	27	EXMQW1AA,5			
	28	28	EXMQX1AA,50			rear
	29	29	EXMQ31AA,10			
	30	30	EXFCV1AA			
	31	31	EXFCW1AA			
	32	32	EXFDC1AA			
	33	33	EXFDE1AA			
	34	34	EXFDE1AC			
	35	35	EXFDE1AD			
	36	36	EXFDF1AA			
	37	37	1660,,2 pass F/R			
	38	38	EXFEP1AA			
	39	39	EXFDG1AA			
	40	40	EXFDJ1AA			
	41	41	EXFDK1AA			
	42	42	EXFDL1AA			
	43	43	EXFEP1ACRA↑			
	44	44	EXF9E1AARR100X			
	45	45	EXF9F1AARR100X			
	46	46	EXDC41AP			rear
	47	47	EXDC71AP			
	48	48	EXM6H1AF			
	49	49	EXM6W1AR			
	50	50	EXMKP1AD			
	51	51	EXMQO1AA			
	52	52	EXMKN1AA			
	53	53	EXMKN1AC,5			
	54	54	EXMKN1AD,5			
	55	55	1660,,2 pass F/R			
	56	56	EXQF71AC RPHG			
	57	57	EXQGD1AC			
	58	58	EXQGN1AC RPHG			
	59	59	EXMQJ1AA,20000			
	60	60	EXMQT1AA,200			rear
	61	61	EXMQV1AA,400			
	62	62	EXQGT1AA			
	63	63	EXQF71AC			
	64	64	EXQGN1AC			
	65	65	EXQGT1AC			
	66	66	1660,,2 pass f/R			

Sequence Output Parameters:

Print Sequence Summary Report (SSR):
 Dest of individual reports for each run:

No
 as specified in Method

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020412
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/12/02

1	1	HEX				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXFEP1AC				
8	8	EXF9E1AA,100				
9	9	EXF9F1AA,100				
10	10	EXAPV2AT				
11	11	EXHFF1AD				
12	12	EXKJR1AA				
13	13	EXKJR1AC,5				
14	14	EXGGA1AE				
15	15	EXGGM1AP				
16	16	EXGGN1AP				
17	17	EXGGP1AP				
18	18	EXGGV1AP				
19	19	HEXANE				
20	20	EXGGX1AP				

pass F/r

Front

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
21	21	HEXANE				
22	22	EXH5A1AA				
23	23	EXH5A1AC RRT				
24	24	1660,,2				
25	25	EXGG01AP				
26	26	EXGHC1AP				
27	27	EXGHE1AP				
28	28	HEXANE				
29	29	EXHEJ1AA				
30	30	EXHEJ1AC RRT (1565)				Front
31	31	EXHEJ1AD				
32	32	EXHK01AE				
33	33	EXHK11AP				
34	34	EXHK31AP				
35	35	EXHK41AP				
36	36	EXHK61AP				
37	37	EXHK71AP				
38	38	EXHK81AP				
39	39	EXHLA1AP				
40	40	1660,,2				
41	41	EXHLD1AP				
42	42	EXHLF1AP				
43	43	EXHLG1AP				
44	44	EXHP71AK, 5				
45	45	EXHQ1AK, 20				
46	46	EXHQF1AK				
47	47	EXHQJ1AK				Front
48	48	EXHQN1AK				
49	49	EXHQP1AK, 2				
50	50	EXHQ31AF, 5				
51	51	EXHRA1AF, 10				
52	52	EXHRE1AK, 50				
53	53	EXH5C1AA				
54	54	EXH5C1AC RRT				
55	55	EXH5C1AD RRT				
56	56	1660,,2				
57	57	EXGAG1AK, 2				
58	58	EXGAH1AK				
59	59	EXGAJ1AK				
60	60	EXGAK1AK				
61	61	EXHD51AA				
62	62	EXHD71AA				
63	63	EXHD81AA				
64	64	EXHEG1AA				rear
65	65	EXHEH1AA				
66	66	EXHN51AF				
67	67	EXHN71AK				
68	68	EXHN81AK, 5				
69	69	EXHN91AF				
70	70	EXHN91CH				
71	71	EXHN91CJ				
72	72	EXH491AA				
73	73	EXH491AC RRT				
74	74	1660,,2				
75	75	EXFW41AA				
76	76	EXFW41AH, 2				

STL North Canton

Sequence: C:\HPCHEM\1\020412.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
04/13/02	77	77	EXGAX1A5			
	78	78	EXGGJ1AE			
	79	79	EXJH31AA			
	80	80	EXKJK1AA			
	81	81	EXKJK1AC, 2			
	82	82	EXEDR2AF			
	83	83	EXED02AC			rear
	84	84	EXED42AE			
	85	85	EXEG12AC			
	86	86	EXFET2C3			
	87	87	EXFH42CE			
	88	88	EXFJ82CD			
	89	89	EXMRA1AA			
	90	90	EXMRA1AC, 2			
	91	91	EXMRA1AD, 2			
	92	92	1660,, 2 fail 1st / pass 1			
	93	93	EXKKN1AA			
	94	94	EXKK61AA			rear
	95	95	EXMKM1AA			
	96	96	EXMKM1AC, 5			
	97	97	EXMKM1AD, 5			
	98	98	1660,, 2 pass 1 avg / pass 1			

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
Print Configuration: No
Print Sequence: No
Print Logbook: No
Print Method(s): No
Print Analysis reports: No
Print Statistics for Calib. runs: No
Print Statistics for Sample runs: No
Summary style: Sample Summary

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020414A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/14/02

1	1	HEX				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXL981AA				
8	8	EXL981AC				
9	9	EXLF01AC,10				
10	10	HEX				
11	11	EXLGE1AC,10	RR5X			
12	12	HEX				
13	13	EXLGG1AC,1000				
14	14	HEX				
15	15	EXT531AA,10	RR5T			
16	16	HEX				
17	17	EXV9L1AA				
18	18	EXV9L1AC				
19	19	EXV9L1AD				
20	20	EXMK01AA				

pass F/A
↓

rear

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
21	21	EXMK01AC				
22	22	1660,,2 pass F/R				
23	23	EXMK01AD				
24	24	EXLF51AE				
25	25	EXLGK1AP				
26	26	EXLGR1AP				
27	27	EXLGV1AP				
28	28	EXLGX1AP				rear
29	29	EXLG41AP, 50				
30	30	EXLG71AP				
31	31	EXLHG1AP				
32	32	EXLHJ1AE				
33	33	EXLH01AP				
34	34	EXLH21AP				
35	35	EXK911AA				
36	36	EXK911AC				
37	37	1660,,2 pass F/R				
38	38	EXK911AD				
39	39	EXKJP1AF				
40	40	EXKJV1AN				
41	41	EXKJ01AN				
42	42	EXKJ11AN				
43	43	EXKJ21AN				
44	44	EXKJ31AN				
45	45	EXKJ41AN				rear
46	46	EXKJ61AN				
47	47	EXKJ71AN				
48	48	EXKJ81AN				
49	49	EXK2L1AF				
50	50	EXK2M1AK				
51	51	EXK2R1AK				
52	52	EXK2V1AK				
53	53	1660,,2 pass F/R				
54	54	EXK2X1AK				
55	55	EXK201AK				
56	56	EXK231AK				
57	57	EXK241AK				
58	58	EXK8W1AF, 10				
59	59	EXK831AK				rear
60	60	EXKKM1AA				
61	61	EXKKX1AA				
62	62	EXKL01AA				
63	63	EXK2G1AD				
64	64	EXK8G1AD				
65	65	EXK8R1AE				
66	66	EXK8V1AE				
67	67	EXK861AE				
68	68	1660,,2 pass F/R				

Sequence Output Parameters:

Print Sequence Summary Report (SSR):

No

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020415A
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	====	=====	=====	=====	=====	=====	=====	=====	=====

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====

1	1	PRIMER				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXGG61AP				
8	8	EXHD31AA				
9	9	EXHD61AA				
10	10	EXHLC1AP				
11	11	EXKJW1AN				
12	12	EXKJX1AN				
13	13	EXKKC1AA				
14	14	EXKKD1AA				
15	15	EXKKH1AA				
16	16	EXKKQ1AA,2				
17	17	EXKKQ1AD,2				
18	18	EXKKQ1AE,2				
19	19	EXKK71AA				
20	20	EXKK91AA				

pass F/R
 ↓
 closer fails
 ↓

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
21	21	EXLNF1AA, 2 RR				
22	22	1660, , 2 fails FV/Fails R↓				
23	23	EXLNK1AA RR opener fails				
24	24	HEX				
25	25	EXLNN1AA				
26	26	EXH5A1AC				
27	27	EXHEJ1AC				
28	28	EXH5C1AC				
29	29	EXH5C1AD				
30	30	EXH491AC				
31	31	EXPRR1AA				
32	32	EXPRR1AC, 5				
33	33	EXMMF1AD				
34	34	EXMMN1AA				
35	35	EXM9G1AD				
36	36	EXM9N1AE				
37	37	EXNG31AD				
38	38	EXNG31A7, 5				
39	39	1660, , 2 pass F/R				
40	40	EXNG31A8, 5				
41	41	EXNG81AE				
42	42	EXPNT1AA				
43	43	EXPPC1AA				
44	44	EXMAG1AA				
45	45	EXMAG1AC				
46	46	EXKKK1AA, 10				rear
47	47	EXKKL1AA				
48	48	EXKKT1AA				
49	49	EXKKV1AA, 10				
50	50	EXKKW1AA, 10				
51	51	EXKKW1AC				
52	52	EXKKW1AD				
53	53	EXKJL1AA, 10				
54	54	EXKLM1AA, 10				
55	55	1660, , 2 pass F/R				
56	56	EXKLN1AA				
57	57	EXKLN1AC				
58	58	EXKLN1AD				
59	59	EXKLP1AA, 10				
60	60	EXKLR1AA, 2				
61	61	EXKLT1AA, 5				rear
62	62	EXKLV1AA				
63	63	EXKLW1AA				
64	64	EXK LX1AA				
65	65	EXVXQ1AA				
66	66	EXWHX1AA				
67	67	EXWHX1AC				
68	68	EXWHX1AD				
69	69	1660, , 2 pass F/R				
70	70	EXLNN1AA				
71	71	EXLNF1AA, 2				
72	72	EXLNK1AA				
73	73	HEXANE				rear
74	74	EXPR91AV005X				
75	75	EXRNS1AA				
76	76	EXRNS1AC				

Sequence: C:\HPCHEM\1\020415A.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

77 77 EXPR91AV,5

78 78 [1660,,2]

79 79 1660,,2 pass/fail

sample # 77 matrix caused baseline rise failed
F+T
reran std. immediately after and passed no
corrective action for runs 70 → 77

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
Print Configuration: No
Print Sequence: No
Print Logbook: No
Print Method(s): No
Print Analysis reports: No
Print Statistics for Calib. runs: No
Print Statistics for Sample runs: No
Summary style: Sample Summary

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 020416

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

04/16/02

1	1	HEXANE				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	EXR2R1AC				
8	8	EXWKG1AA				
9	9	EXWKG1AC,5				
10	10	EXKWG1AD,5				
11	11	EXH5A1AC				
12	12	EXHEJ1AC				
13	13	EXH5C1AC				
14	14	EXH5C1AD				
15	15	EXH491AC				
16	16	EXGG61AP				
17	17	EXHD31AA				
18	18	EXHD61AA				
19	19	EXHLC1AP				
20	20	EXKJW1AN				

pass F/P
 ↓
 pass F
 RR 100X

rear

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
21	21	EXKJX1AN				
22	22	EXKKC1AA				
23	23	1660,, 2 pass F/R				
24	24	EXKKD1AA				
25	25	EXKKH1AA				
26	26	EXKKQ1AA, 2				
27	27	EXKKQ1AD, 2				
28	28	EXKKQ1AE, 2				
29	29	EXKK71AA				
30	30	EXKK91AA				
31	31	EXMMF1AD				
32	32	EXMMN1AA				
33	33	EXM9G1AD				
34	34	EXM9N1AE				
35	35	EXNG31AD				
36	36	EXNG31A7, 5				
37	37	EXPNO1AA				
38	38	EXPNO1AC				
39	39	EXPNO1AD				
40	40	EXPRR1AA				
41	41	EXPRR1AC, 5				
42	42	1660,, 2 pass f/r				
43	43	EXPN11AA				
44	44	EXPN21AA				
45	45	EXPN31AA				
46	46	EXPN41AA, 10				
47	47	EXPN61AA, 10				
48	48	EXPN71AA				
49	49	EXPN81AA				
50	50	EXPN91AA				
51	51	EXPOL1AE				
52	52	EXPOP1AH				
53	53	EXPOR1AH				
54	54	EXPOV1AH				
55	55	EXPOW1AH				
56	56	EXP001AH				
57	57	EXP011AH				
58	58	EXP031AH				
59	59	EXR2R1AC, 200				
60	60	1660,, 2 pass f/r				
61	61	EXGHF1AF				
62	62	EXML31AF				
63	63	EXML31CT				
64	64	EXML31CU				
65	65	EXML41AN				
66	66	EXML51AN				
67	67	EXML61AN				
68	68	EXML71AN				
69	69	EXML81AN				
70	70	EXML91AN				
71	71	EXMMA1AN				
72	72	EXMMC1AN				
73	73	EXMMD1AN				
74	74	EXMMG1AA				
75	75	EXMMH1AA				
76	76	EXMMJ1AA				

04/16/02
↓

04/17/02
↓

rear

rear

rear

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
04/17/02 77	77	EXMML1AA				
78	78	EXMMM1AA				
79	79	EXPLC1AA				
80	80	EXPLC1AC				
81	81	1660,,2 pass F/R			7	
82	82	EXPPK1AN				
83	83	EXPPL1AN				
84	84	EXPPM1AN				
85	85	EXPPN1AN				
86	86	EXPPP1AN				
87	87	EXPPQ1AN				
88	88	EXQC81AE				
89	89	EXQDJ1AE				
90	90	EXQDK1AE				
91	91	EXQDM1AE				
92	92	EXQDN1AJ				
93	93	EXQDN1AK				
94	94	EXQDN1AL				
95	95	EXQD21AE				
96	96	EXQD51AE,5				
97	97	EXQD71AE				
98	98	EXQD81AE				
99	99	EXQEK1AE				
100	100	1660,,2 fail F/R ↓				

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
 Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
 Print Configuration: No
 Print Sequence: No
 Print Logbook: No
 Print Method(s): No
 Print Analysis reports: No
 Print Statistics for Calib. runs: No
 Print Statistics for Sample runs: No
 Summary style: Sample Summary

LEV 1	LEV 2	Blank	LEV 1	LEV 2	Weights/Volumes	Y	Expanded Deliverable
Y	-	Check	Y	-	Spike & Surrogate Worksheet	Y	COC Completed
Y	-	MS/MSD	Y	-	Vial contains correct volume	-	Bench Sheet Copied
			Y	-	Labels, greenbars, worksheets	-	Package Submitted to AnalyticalGroup
					Computer batch: correct & all match	-	Bench Sheet Copied per COC
					Anomalies to Extraction Method		

Extractionist: 001935 Eric S. Miller
009ZZ3 Steffani D. Deubner

Concentrationist: _____
Thomas R. Fausnight
Dave S. Thomas

Reviewer/Date: MILLER / 4/10/02

PCBS (8082)
SONICATION w/ACID STRIP (PCB)

 * OC BATCH: 2099545 *
 * PREP DATE: 4/10/02 10:00
 * COMP DATE: 4/11/02 6:00

4/18/02	4/19/02	A2D050221-010	D	71	QH	SOLID	30.01g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/19/02	4/19/02	A2D060108-001	D	71	QH	SOLID	30.15g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/19/02	4/19/02	A2D060108-003	D	71	QH	SOLID	30.09g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/19/02	4/19/02	A2D060133-012	D	71	QH	SOLID	30.19g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/22/02	4/23/02	A2D090102-003	D	71	QH	SOLID	30.2g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/22/02	4/23/02	A2D090102-004	D	71	QH	SOLID	30.2g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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4/22/02	4/23/02	A2D090103-001	D	71	QH	SOLID	30.17g	10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1	ML	2/.2	SURR	#3893
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RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:57:36

* QC BATCH: 2099545 *
* PREP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANTL DUE	LOT# WORK ORDER	MSR#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH*S ADJ1	ADJ2	EXTRACTION VOL	SOVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/22/02	4/23/02	A2D090104-001	KKKK1-1-AA	D	71	QH SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/22/02	4/23/02	A2D090103-002	KKKK1-1-AA	D	71	QH SOLID	30.06g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/22/02	4/23/02	A2D090103-007	KKKK1-1-AA	D	71	QH SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/22/02	4/23/02	A2D090103-007	KKKK1-1-ADS	D	71	QH SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 10PPM SPIKE #3892
COMMENTS:															
4/22/02	4/23/02	A2D090103-007	KKKK1-1-ABD	D	71	QH SOLID	30.02g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/22/02	4/23/02	A2D090104-007	KKKK7-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/22/02	4/23/02	A2D090104-008	KKKK9-1-AA	D	71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/18/02	4/15/02	A2D090206-001	KKIF0-1-AC	DR	71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/18/02	4/15/02	A2D090206-002	KKIFR-1-AC	DR	71	QH SOLID	30.17g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															
4/18/02	4/15/02	A2D090206-003	KKIFG-1-AC	DR	71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:57:36

* QC BATCH: 2099545 *
* *****

PRRP DATE: 4/10/02 10:00
COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSR# ORDER	TEST FIGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJT	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/19/02	4/16/02	A2D090227-001		R	71	QH SOLID	30.2g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															

4/19/02	4/16/02	A2D090227-002		R	71	QH SOLID	30.08g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															

4/19/02	4/16/02	A2D090227-003		R	71	QH SOLID	30.13g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															

4/18/02	0/00/00	A2D090000-545			71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
COMMENTS:															

4/18/02	0/00/00	A2D090000-545			71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
COMMENTS:															

S/S BY ESM
DCM #V42466 NAZS04 #17409 HEXANE #V33E49 ACETONE #X01E43

R = RUSH C = CLP
R = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
NUMBER OF WORK ORDERS IN BATCH: 22

LEV	LEV	LEV	LEV	WEIGHTS/VOLUMES	Expanded Deliverable
1	2	1	2	Spike & Surrogate Worksheet	Y
Y	Y	Y	Y	Vial contains correct volume	Y
Y	Y	Y	Y	Labels, greenbars, worksheets	-
Y	Y	Y	Y	computer batch: correct & all match	-
				Anomalies to Extraction Method	-

Extractor: 001935 Eric S. Miller
 009223 Steffani D. Deubner
 Concentrationist: 001560 Thomas R. Fausnight
 002811 Dave S. Thomas

Reviewer/Date: MILLER / 4/10/02

PCBS (8082)
 SONICATION w/ACID STRIP (PCB)

 * QC BATCH: 2099546 *
 * PREP DATE: 4/10/02 10:00
 * COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/EIN WT/VOL	INIT	PH'S ADJT	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD / SURROGATE ID
4/22/02	4/23/02	A2D090103-004	XXXX-1-AA	D	71	QH SOLID	30.03g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090103-004														
4/22/02	4/23/02	A2D090104-002	XXXX-1-AA	D	71	QH SOLID	30.12g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090104-002														
4/22/02	4/23/02	A2D090104-003	XXXX-1-AA	D	71	QH SOLID	30.07g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090104-003														
4/22/02	4/23/02	A2D090104-004	XXXX-1-AA	D	71	QH SOLID	30.14g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 2/.2 SURR #3893
COMMENTS: A2D090104-004														
4/22/02	4/23/02	A2D090104-004	XXXX-1-ACS	D	71	QH SOLID	30.08g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 10PPM SPIKE #3892
COMMENTS: A2D090104-004														
4/22/02	4/23/02	A2D090104-004	XXXX-1-ADD	D	71	QH SOLID	30.02g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0 1 ML 10PPM SPIKE #3892
COMMENTS: A2D090104-004														

R0C058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:55:42

* QC BATCH: 2099546 *
* PREP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH'S ADJ2	DCM/ACE	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/22/02 COMMENTS:	4/23/02	A2D090105-001	XXXX-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-002	XXXX-1-AA	D	71	QH SOLID	30.01g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003	XXXX-1-AA	D	71	QH SOLID	30.13g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003	XXXX-1-ACS	D	71	QH SOLID	30.02g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-003	XXXX-1-ADD	D	71	QH SOLID	30.19g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 10PPM SPIKE #3892 1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-004	XXXX-1-AA	D	71	QH SOLID	30.1g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-005	XXXX-1-AA	D	71	QH SOLID	30.12g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-006	XXXX-1-AA	D	71	QH SOLID	30.2g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-007	XXXX-1-AA	D	71	QH SOLID	30.16g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893
4/22/02 COMMENTS:	4/23/02	A2D090105-008	XXXX-1-AA	D	71	QH SOLID	30.03g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE		50.0	1 ML 2/.2 SURR #3893

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 12:55:42

* QC BATCH: 2099546 *
* PREP DATE: 4/10/02 10:00
* COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT#, MSRUNK/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID	
4/22/02	4/23/02	A2D090105-009	D	71	QH SOLID	30.16g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893

4/22/02	0/00/00	A2D090000-546		71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 2/.2 SURR #3893
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4/22/02	0/00/00	A2D090000-546		71	QH SOLID	30.00g 10.00mL	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1 ML 10PPM SPIKE #3892
		KEMAG-1-ACC											1 ML 2/.2 SURR #3893

S/S BY ESM
DCM #V42466 NAZSO4 #17409 HEXANE #V33E49 ACETONE #X01E43

R = RUSH C = CLP
E = RPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 20
M = CLIENT REQ MS/MSD
?

R0C058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 13:01:03

LEV	LEV	LEV	LEV	Weights/Volumes	Expanded Deliverable
1	2	1	2	Spike & Surrogate Worksheet	Y
Y	Y	Y	Y	Vial contains correct volume	Y
Y	Y	Y	Y	Labels, greenbars, worksheets	-
-	-	Y	Y	computer batch: correct & all match	-
				Anomalies to Extraction Method	-

Extractionist: 001935 Eric S. Miller
 Steffani D. Deubner
 Concentrationist: 001560 Thomas R. Fausnight
 002811 Dave S. Thomas

 * QC BATCH: 2100102 *
 *

PRRP DATE: 4/10/02 10:00
 COMP DATE: 4/11/02 6:00

Reviewer/Date: MILLER / 4/10/02
 PCBs (8082)
 Cont Liq Liq Extraction - Filtered

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSR# ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	INIT ADJ1	PH'S ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/15/02	4/23/02	A2D090103-006		D	B8	QH WATER	1000mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090104-006 D B8 QH WATER 1000mL 7.0 NA NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D100000-102 B8 QH WATER 1000mL 7.0 NA NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D100000-102 B8 QH WATER 1000mL 7.0 NA NA NA DCM 250.0 HEXANE 50.0 1.0ML 10PPM #3892
 1.0ML 2/.2 #3893

COMMENTS: A2D100000-102 R B8 QH WATER 1000mL 7.0 NA NA NA DCM 250.0 HEXANE 50.0 1.0ML 10PPM #3892
 1.0ML 2/.2 #3893

S/S BY ESM
 DCM #V42466 NA2504 #17409 HEXANE #V33E39
 ASSOC QC W/2100103.

R = RUSH C = CLP
 E = EPA 600 D = EXP.DEL
 M = CLIENT REQ MS/MSD
 NUMBER OF WORK ORDERS IN BATCH: 5

LEV 1	LEV 2	LEV 1	LEV 2	Weights/Volumes	Expanded Deliverable
Y	Y	Y	Y	Spike & Surrogate Worksheet	Y
Y	Y	Y	Y	Vial contains correct volume	Y
Y	Y	Y	Y	Labels, greenbars, worksheets	Y
Y	Y	Y	Y	computer batch: correct & all match	Y
Y	Y	Y	Y	Anomalies to Extraction Method	Y

Extractionist: 001935 Eric S. Miller
Steffani D. Deubner

Concentrationist: 001560 Thomas R. Fausnigh
002811 Dave S. Thomas

Reviewer/Date: MILLER / 4/10/02

PCBs (8062)
LIQ/LIQ, COMT w/ACID STRIP (PCB) - Nominal

 * OC BATCH: 2100103 *
 * PRRP DATE: 4/10/02 10:00
 * COMP DATE: 4/11/02 6:00

EXTR	ANL	LOT#	MSRUN#	TEST	EXT	WTH	MATRIX	INIT/FIN	PH'S	ADJ1	ADJ2	EXTRACTION	SOLVENTS	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
EXPR	DUE	WORK	ORDER	FLGS				WT/VOL	INIT				VOLE				
4/15/02	4/23/02	A2D090103	-005	D	61	QH	WATER	1000mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	50.0	1.0ML	2/.2 #3893

COMMENTS: A2D090104-005
 4/15/02 4/23/02 EXXK1-1-AA D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090105-010
 4/15/02 4/23/02 EXXK0-1-AA D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090136-001
 4/15/02 4/23/02 EXXK2G-1-AD D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090161-001
 4/15/02 4/23/02 EXXK8G-1-AD D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090161-002
 4/15/02 4/23/02 EXXK8R-1-AA D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

COMMENTS: A2D090161-003
 4/15/02 4/23/02 EXXK8V-1-AA D 61 QH WATER 1000mL 7.0 NA NA DCM 250.0 HEXANE 50.0 1.0ML 2/.2 #3893

ROC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/11/02
Time: 13:00:28

* QC BATCH: 2100103 *
* *****

PREP DATE: 4/10/02 10:00
COMP DATE: 4/11/02 6:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/ FIN WT/VOL	PH*S ADJ1 ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
4/15/02	4/23/02	A2D090161-007	KKK86-1-AA	D	61	QH WATER	1000mL 2.00mL	7.0 NA NA	DCM	250.0	HEXANE	50.0 1.0ML 2/.2 #3893

4/15/02	0/00/00	A2D100000-103	KKKKK-1-AA		61	QH WATER	1000mL 2.00mL	7.0 NA NA	DCM	250.0	HEXANE	50.0 1.0ML 2/.2 #3893
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4/15/02	0/00/00	A2D100000-103	KKKKK-1-ACC		61	QH WATER	1000mL 2.00mL	7.0 NA NA	DCM	250.0	HEXANE	50.0 1.0ML 10PPM #3892 1.0ML 2/.2 #3893
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4/15/02	0/00/00	A2D100000-103	KKKKK-1-ADL		61	QH WATER	1000mL 2.00mL	7.0 NA NA	DCM	250.0	HEXANE	50.0 1.0ML 10PPM #3892 1.0ML 2/.2 #3893
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4/16/02	4/12/02	A2D100111-018	KKK00-1-AA	DR	61	QH WATER	1000mL 2.00mL	7.0 NA NA	DCM	250.0	HEXANE	50.0 1.0ML 2/.2 #3893
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S/S BY ESM
DCM #V42466 NA2504 #17409 HEXANE #V33849
ASSOC QC W/2100102.

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 12
M = CLIENT REQ MS/MSD

04/18/02 09:48:04

Sample Control Chain of Custody - STL North Canton

PAGE 1

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A2D090104	1		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	2		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	3		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	4		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	4	8	XXXX11C	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	4	D	XXXX11D	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	5		XXXX11A	GC8082_L	4/10/02	Eric Miller	4/10/02	Eric Miller	4/15/02	Raymond Risdien
A2D090104	6		XXXX11A	GC8082_A	4/10/02	Eric Miller	4/10/02	Eric Miller	4/13/02	Raymond Risdien
A2D090104	7		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien
A2D090104	8		XXXX11A	GC8082_S	4/10/02	Steffani Deubner	4/10/02	Eric Miller	4/16/02	Raymond Risdien

*** B M D O F R E P O R T ***



GENERAL CHEMISTRY DATA



QC SUMMARY

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A2D090104

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Solids	ND	Work Order #: EXNTM1AA		MB Lot-Sample #: A2D100000-354	04/10-04/11/02	2100354
		10.0	%	MCAWW 160.3 MOD		
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A2D090104 Work Order #....: EXKKQ-SMP Matrix.....: SOLID

EXKKQ-DUP

Date Sampled....: 04/08/02 14:20 Date Received...: 04/09/02

% Moisture.....: 36

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	64.2	80.9	%	23	(0-20)	MCAWW 160.3 MOD	04/10-04/11/02	2100354
Dilution Factor: 1						SD Lot-Sample #: A2D090103-007		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A2D090104 Work Order #....: EXKKW-SMP Matrix.....: SO

EXKKW-DUP

Date Sampled....: 04/08/02 14:02 Date Received...: 04/09/02

% Moisture.....: 45

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	55.3	60.8	%	9.5	(0-20)	MCAWW 160.3 MOD	04/10-04/11/02	2100354
						SD Lot-Sample #: A2D090104-004		
						Dilution Factor: 1		



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1619

General Chemistry

Lot-Sample #...: A2D090104-001 Work Order #...: EXKKD Matrix.....: SO
Date Sampled...: 04/08/02 13:56 Date Received...: 04/09/02
% Moisture.....: 25

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	74.5	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1620

General Chemistry

Lot-Sample #...: A2D090104-002 Work Order #...: EXKKT Matrix.....: SO
Date Sampled...: 04/08/02 13:58 Date Received...: 04/09/02
% Moisture.....: 24

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	76.2	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1621

General Chemistry

Lot-Sample #...: A2D090104-003 Work Order #...: EXKKV Matrix.....: SO
Date Sampled...: 04/08/02 14:00 Date Received...: 04/09/02
% Moisture.....: 31

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	68.6	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: SD-00-040802-GS-1622

General Chemistry

Lot-Sample #...: A2D090104-004 Work Order #...: EXKKW Matrix.....: SO
Date Sampled...: 04/08/02 14:02 Date Received...: 04/09/02
% Moisture.....: 45

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	55.3	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1625

General Chemistry

Lot-Sample #...: A2D090104-007 Work Order #...: EXKK7 Matrix.....: SO
Date Sampled...: 04/08/02 14:11 Date Received...: 04/09/02
% Moisture.....: 24

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	76.1	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-040802-GS-1624

General Chemistry

Lot-Sample #...: A2D090104-008 Work Order #...: EXKK9 Matrix.....: SO
Date Sampled...: 04/08/02 14:04 Date Received...: 04/09/02
% Moisture.....: 37

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	63.1	10.0	%	MCAWW 160.3 MOD	04/10-04/11/02	2100354
		Dilution Factor: 1		MDL.....: 10.0		



SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TS
 Batch(es): 2100354
 Method #/SOP#: 160.3

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient > 0.995 ?			/			/
2. Calibration curve consist of the minimum number of calibration standards?			/			/
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			/			/
4. ICB analyzed immediately after ICV and within criteria (\pm RL)?			/			/
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			/			/
2. CCB analyzed every 10 samples, at end of sequence & within criteria (\pm RL)?			/			/
C. Sample Results						
1. Were samples with concentrations $>$ the linear range diluted and reanalyzed ?			/			/
2. All reported results bracketed by in control QC ?	/			/		
3. Sample analyses done within holding time ?	/			/		
D. Quality Control						
1. LCS per prep batch and within QC limits ? (LCSD, where applicable)			/			/
2. Method blank done per prep batch and $<$ RL. Method blank RL supports the lowest RL reported for the batch?	/			/		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			/			/
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	/			/		
E. Titrant						
1. Titrant standardized?			/			/
2. If no, standardization expires			/			/
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			/			/
2. Calculations checked for error ?	/			/		
3. Transcriptions checked for error ?	/			/		
4. All client/project specific requirements met ?	/			/		
5. Date/time of preparation and analysis verified as correct ?	/			/		
6. Units verified as correct?	/			/		
7. Dilutions have been properly applied and RL's adjusted appropriately?			/			/
8. SOP followed?	/			/		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	/			/		
10. All reagent and standard numbers recorded in logbook?	/			/		/
11. Edits dated and initialed	/			/		/

Comment on any "NO" response(s): _____

Level I reviewer: Bruce Woodward Date: 4-11-02

Level II Reviewer: OC Date: 4/11/02

Level I review:

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	2100354	
Prep Date	4/10/02	Time In		Analyst	OC	
Anal date	4/11/02	Time Out	8:33	RL	10	
Sample Id	Tare wt	Wet wt	Dry wt	Result TS %	Result MS %	comments
BLK C	5.652	5.7007	5.6853	1.62	ND	
EXML2	5.652	18.3471	10.2048	35.863	64.137	
EXKKC	5.652	16.5248	13.2734	70.096	29.904	
EXKKH	5.652	17.3966	13.0531	63.017	36.983	
EXKKK	5.652	18.8997	14.8751	69.620	30.380	
EXKKL	5.652	13.8457	11.2271	68.041	31.959	
EXKKQ	5.652	16.0822	12.3464	64.183	35.817	
EXKKQ X	5.652	20.257	17.4664	80.893	19.107	
EXKKD	5.652	14.2691	12.0734	74.519	25.481	
EXKKT	5.652	15.3508	13.0401	76.175	23.825	
EXKKV	5.652	17.9365	14.08	68.607	31.393	
EXKKW	5.652	14.8118	10.7182	55.309	44.691	
EXKKW X	5.652	15.5591	11.6766	60.811	39.189	
EXKK7	5.652	16.103	13.6087	76.133	23.867	
EXKK9	5.652	13.8866	10.8491	63.113	36.887	
EXJ1H	5.652	10.9546	10.3102	87.847	12.153	
EXJ1T	5.652	11.5108	10.6269	84.913	15.087	
EXJ14	5.652	17.0743	14.7379	79.545	20.455	
EXJ16	5.652	10.0075	9.3128	84.050	15.950	
EXJ17	5.652	11.738	10.3865	77.793	22.207	
EXJ19	5.652	12.7554	11.3752	80.570	19.430	
EXJ2F	5.652	13.8882	11.8744	75.549	24.451	
EXJ2H	5.652	12.0202	11.0891	85.379	14.621	

STL North Canton
Sample Control Chain of Custody for General Chemistry

<u>Lot Number</u>	<u>Sample Suffix</u>	<u>Lab ID</u>	<u>Test</u>	<u>Prep Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>	
A2D090104	1	EXKKD1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon	
A2D090104	2	EXKKT1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon	
A2D090104	3	EXKKV1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon	
A2D090104	4	X	EXKKW1AF	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090104	4		EXKKW1AE	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090104	7		EXKK71AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon
A2D090104	8		EXKK91AC	Solids, Percent (as TS - 160.3 MOD) - Solids	4/10/02	Bruce Woodward	4/11/02	Olguita Colon

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ANALYTICAL REPORT

PROJECT NO. 13968

GMPT-BEDFORD

Lot #: A2E100105

Paul Wiseman

**Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170**

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Amy L. McCormick".

**Amy L. McCormick
Project Manager**

May 26, 2002



CASE NARRATIVE

CASE NARRATIVE

A2E100105

The following report contains the analytical results for one water sample and sixteen solid samples submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT - Bedford Site, project number 13968. The samples were received May 10, 2002, according to documented sample acceptance procedures.

The sample(s) presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the rear of the report. Preliminary results were provided to the Chemistry Department on May 23, 2002.

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The following samples contained degraded and/or possible mixtures of aroclors. The best pattern match was used in identification and quantitation.

S-00-050902-JW-1843	S-00-050902-JW-1843A	S-00-050902-JW-1844
S-00-050902-JW-1845	S-00-050902-JW-1846	S-00-050902-JW-1847
S-00-050902-JW-1848	S-00-050902-JW-1849	S-00-050902-JW-1850

STL utilizes USEPA approved methods in all analytical work. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.



Amy McCormick
Project Manager

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)

Methylene chloride
Acetone
2-Butanone

Semivolatile (GC/MS)

Phthalate Esters

Metals

Copper
Iron
Zinc
Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*
- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, PAH, and Herbicide methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.



STL North Canton Certifications and Approvals:

Alabama (#41170), California (#2157), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Kentucky (#90021), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), Missouri (#6090), New Jersey (#74001), New York (#10975), North Dakota (#R-156), Ohio (#6090), OhioVAP (#CL0024), Pennsylvania (#68-340), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

Y:\HerrenD\Narrative\QCinsSW846.doc, Revised: 07/24/01



METHOD REFERENCE

ANALYTICAL METHODS SUMMARY

A2E100105

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.



SAMPLE SUMMARY

SAMPLE SUMMARY

A2E100105

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
E07L9	001	S-00-050902-JW-1843	05/09/02	10:33
E07ME	002	S-00-050902-JW-1843A	05/09/02	10:35
E07MF	003	S-00-050902-JW-1844	05/09/02	10:41
E07MG	004	S-00-050902-JW-1845	05/09/02	10:43
E07MJ	005	S-00-050902-JW-1846	05/09/02	10:55
E07MM	006	S-00-050902-JW-1847	05/09/02	11:00
E07MN	007	S-00-050902-JW-1848	05/09/02	11:02
E07MP	008	S-00-050902-JW-1849	05/09/02	11:12
E07MQ	009	S-00-050902-JW-1850	05/09/02	11:14
E07MT	010	S-00-050902-JW-1851	05/09/02	11:17
E07MV	011	S-00-050902-JW-1852	05/09/02	11:20
E07MX	012	S-00-050902-JW-1852A	05/09/02	11:21
E07M0	013	S-00-050902-JW-1853	05/09/02	11:27
E07M2	014	EB-00-050902-JW-001	05/09/02	14:00
E07M7	015	S-00-050902-JW-1854	05/09/02	14:40
E07M8	016	S-00-050902-JW-1855	05/09/02	14:42
E07NA	017	S-00-050902-JW-1856	05/09/02	14:44

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



SHIPPING AND RECEIVING DOCUMENTS

CRA

CONESTOGA-ROVERS & ASSOCIATES
 8615 W. Bryn Mawr Avenue
 Chicago, Illinois 60631 (773)380-9933

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name):

STL - NORTH CANTON; NORTH CANTON, OHIO

REFERENCE NUMBER:

13968

PROJECT NAME:

GMP- BEDFORD

SAMPLER'S SIGNATURE: *John S. Weinberger*

PRINTED NAME: JOHN S. WEINBERGER

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	NO. OF CONTAINERS	PARAMETERS	REMARKS
----------	------	------	------------	---------------	-------------------	------------	---------

	05/09/02	10:33	5-00-050902-JW-1843	SOIL	1	X	
		10:35	5-00-050902-JW-1843A	SOIL	1	X	
		10:41	5-00-050902-JW-1844	SOIL	3	X	
		10:43	5-00-050902-JW-1845	SOIL	1	X	ms/insu
		10:55	5-00-050902-JW-1846	SOIL	1	X	
		11:00	5-00-050902-JW-1847	SOIL	1	X	
		11:03	5-00-050902-JW-1848	SOIL	1	X	
		11:12	5-00-050902-JW-1849	SOIL	1	X	
		11:14	5-00-050902-JW-1850	SOIL	1	X	
		11:17	5-00-050902-JW-1851	SOIL	1	X	
		11:20	5-00-050902-JW-1852	SOIL	1	X	
		11:21	5-00-050902-JW-1852A	SOIL	1	X	
		11:27	5-00-050902-JW-1853	SOIL	1	X	
		14:00	EB-00-050902-JW-001	WATER	7	X	

TOTAL NUMBER OF CONTAINERS 17

RELINQUISHED BY: *John S. Weinberger* DATE: 05/09/02 RECEIVED BY: DATE: TIME: 10:00 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

METHOD OF SHIPMENT: *air* AIR BILL No.

White - Fully Executed Copy
 Yellow - Receiving Laboratory Copy
 Pink - Shipper Copy
 Goldenrod - Sampler Copy

SAMPLE TEAM: J. Weinberger
 L. Medli

RECEIVED BY: *John S. Weinberger* DATE: 5-10-02 TIME: 7:35
 RECEIVED BY: *John S. Weinberger* DATE: 5-10-02 TIME: 7:35

07900

CRA
 CONESTOGA-ROVERS & ASSOCIATES
 8615 W. Bryn Mawr Avenue
 Chicago, Illinois 60651 (773)380-9933

SHIPPED TO (Laboratory Name):
 STL-NORTH CANTON; NORTH CANTON, OHIO
 REFERENCE NUMBER:
 13968
 PROJECT NAME:
 GMP- BEDFORD

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: JOHN S. WEINBERGER

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	NO. OF CONTAINERS	PARAMETERS	REMARKS
	05/09/02	10:33	S-00-050902-JW-1843	SOIL	1	X	
		10:35	S-00-050902-JW-1843A	SOIL	1	X	
		10:41	S-00-050902-JW-1844	SOIL	3	X	
		10:43	S-00-050902-JW-1845	SOIL	1	X	
		10:55	S-00-050902-JW-1846	SOIL	1	X	
		11:00	S-00-050902-JW-1847	SOIL	1	X	
		11:05	S-00-050902-JW-1848 (88 5/16/02)	SOIL	1	X	
		11:12	S-00-050902-JW-1849	SOIL	1	X	
		11:14	S-00-050902-JW-1850	SOIL	1	X	
		11:17	S-00-050902-JW-1851	SOIL	1	X	
		11:20	S-00-050902-JW-1852	SOIL	1	X	
		11:21	S-00-050902-JW-1852A	SOIL	1	X	
		11:27	S-00-050902-JW-1853	SOIL	1	X	
		14:00	EB-00-050902-JW-001	WATER	1	X	

TOTAL NUMBER OF CONTAINERS 17

REINQUISHED BY: *[Signature]* DATE: 05/09/02 RECEIVED BY: DATE: _____
 TIME: 12:01 PM RECEIVED BY: DATE: _____
 REINQUISHED BY: DATE: _____ RECEIVED BY: DATE: _____
 TIME: _____ RECEIVED BY: DATE: _____
 REINQUISHED BY: DATE: _____ RECEIVED BY: DATE: _____
 TIME: _____ RECEIVED BY: DATE: _____

METHOD OF SHIPMENT: *[Signature]* AIR BILL No. _____

White - Fully Executed Copy
 Yellow - Receiving Laboratory Copy
 Pink - Shipper Copy
 Goldenrod - Sampler Copy

SAMPLE TEAM: J. Weinberger
 L. Meoli

RECEIVED FOR LABORATORY BY: DATE: _____ TIME: _____
 07900

CONESTOGA-ROVERS-CR-24-98-REV. 5-10-01

CRA

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631 (773)380-9933

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name):

STL-NORTH Canton; NORTH Canton, OHIO

REFERENCE NUMBER:

13968

PROJECT NAME:

CMPT-BEDFORD

SAMPLERS SIGNATURE: *John S. Weinberger*

PRINTED NAME: JOHN S. WEINBERGER

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	NO. OF CONTAINERS	PARAMETERS	REMARKS
	05/07/02	14:46	S-00-050902-JU-1854	Soil	1	X	
		14:42	" " JU-1855	Soil	1	X	
		14:44	" " JU-1856	Soil	1	X	

TOTAL NUMBER OF CONTAINERS 3

RELINQUISHED BY: *John S. Weinberger* DATE: 05/07/02 TIME: 18:00 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

METHOD OF SHIPMENT: Courier AIR BILL No.

White	-Fully Executed Copy	SAMPLE TEAM:	RECEIVED FOR LABORATORY BY:
Yellow	-Receiving Laboratory Copy	L. Meoli	<i>Anna Sanders</i>
Pink	-Shipper Copy	J. WEINBERGER	DATE: 5/10/02 TIME: 7:35
Goldenrod	-Sampler Copy		07901

**Severn Trent Laboratories, Inc.
Sample Control Record**

RSR280
 Client: 57787
 Lot #: A2E100105
 Case Number/SDG: 13968
 Storage Location: W109

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
E07L9	EARLES	5/10/02	Yes		Storage	
E07ME	EARLES	5/10/02	Yes		Storage	
E07MF	EARLES	5/10/02	Yes		Storage	
E07MG	EARLES	5/10/02	Yes		Storage	
E07MJ	EARLES	5/10/02	Yes		Storage	
E07MM	EARLES	5/10/02	Yes		Storage	
E07MN	EARLES	5/10/02	Yes		Storage	
E07MP	EARLES	5/10/02	Yes		Storage	
E07MQ	EARLES	5/10/02	Yes		Storage	
E07MT	EARLES	5/10/02	Yes		Storage	
E07MV	EARLES	5/10/02	Yes		Storage	
E07MX	EARLES	5/10/02	Yes		Storage	
E07M0	EARLES	5/10/02	Yes		Storage	
E07M2	EARLES	5/10/02	Yes		Storage	
E07M7	EARLES	5/10/02	Yes		Storage	
E07M8	EARLES	5/10/02	Yes		Storage	
E07NA	EARLES	5/10/02	Yes		Storage	

STL Cooler Receipt Form/Narrative

North Canton Facility

Client: CRA Project: GMP-Beaumont Quote#: _____
 Cooler Received on: 5-10-02 Opened on: 5-10-02 by: Jenny Stiller
 (Signature)

Fedx Client Drop Off UPS Airborne
 Other: _____

Cooler Safe Foam Box Client Cooler Other: _____

STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes No
 If YES, Quantity 2 Location over lid
 Were the custody seals signed and dated? Yes No NA
 2. Shipper's packing slip attached to this form? Yes No
 3. Were custody papers included inside the cooler and relinquished? Yes No
 4. Did you sign the custody papers in the appropriate place? Yes No
 5. Packing material used:
 Peanuts Bubble Wrap Vermiculite Foam None Other: _____
 6. Cooler temperature upon receipt 1.2 °C (see back of form for multiple coolers/temp)
 METHOD: Temperature Vial Between Coolant & Sample Container Against Bottles
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Were all the bottles sealed in separate plastic bags? Yes No
 8. Did all bottles arrive in good condition (Unbroken)? Yes No
 9. Did all bottle labels and tags agree with the custody papers? Yes No
 10. Were samples at the correct pH? Yes No NA
 11. Were correct bottles used for the tests indicated? Yes No
 12. Were air bubbles >6 mm in any VOA vials? Yes No NA
 13. Was a sufficient amount of sample sent in each bottle? Yes No
- Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other

Concerning: MACRO MACRO

1. CHAIN OF CUSTODY

<input checked="" type="checkbox"/>	SR1A	Samples were received under proper custody procedures and without discrepancies.
<input type="checkbox"/>	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____ _____

2. SAMPLE CONDITION

	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). <small>Nitric Acid Lot # 120701-HNO3; Sulfuric Acid Lot # 010802-H2SO4; Sodium Hydroxide Lot # 102401-NaOH; Hydrochloric Acid Lot # 041400-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH</small>
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. NCM

	SR4A	NCM has been generated. Refer to Clouseau for details
--	------	---

5. Other Anomalies (see below or back)

STL Cooler Receipt Form/Narrative North Canton Facility

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>

<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Comments</u>

Discrepancies Cont.

- Macro Name:*

- Macro Name:*

- Macro Name:*

- Macro Name:*

- Other Anomalies:*



POLYCHLORINATED BIPHENYLS DATA



QC SUMMARY DATA

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Lot #: A2E100105

Extraction: XXA71QH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	S-00-050902-JW-1843	100	100	00
02	S-00-050902-JW-1843A	88	80	00
03	S-00-050902-JW-1844	95	83	00
04	S-00-050902-JW-1845	79	69	00
05	S-00-050902-JW-1846	107	107	00
06	S-00-050902-JW-1847	0.0D	0.0D	02
07	S-00-050902-JW-1848	92	99	00
08	S-00-050902-JW-1849	107	109	00
09	S-00-050902-JW-1850	0.0D	0.0D	02
10	S-00-050902-JW-1851	97	100	00
11	S-00-050902-JW-1852	116	111	00
12	S-00-050902-JW-1852A	78	84	00
13	S-00-050902-JW-1853	100	110	00
14	S-00-050902-JW-1854	84	96	00
15	S-00-050902-JW-1855	91	105	00
16	S-00-050902-JW-1856	91	101	00
17	METHOD BLK. E07P21AA	68	89	00
18	LCS E07P21AC	98	106	00
19	S-00-050902-JW-1844 D	110	109	00
20	S-00-050902-JW-1844 S	112	108	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(31-127)

(23-141)

Column to be used to flag recovery values

* Values outside of required QC Limits

D System monitoring Compound diluted out

FORM II

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Lot #: A2E100105

Extraction: XXI61QH72

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	EB-00-050902-JW-001	113	43	00
02	METHOD BLK. E07WC1AA	122*	96	01
03	LCS E07WC1AC	116	34	00
04	LCSD E07WC1AD	113	29	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

Column to be used to flag recovery values

* Values outside of required QC Limits

D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Lot #: A2E100000

WO #: E07P21AC

BATCH: 2130168

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	320	97	49 - 122	
Aroclor 1260	330	360	109	51 - 127	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Lot #: A2E100000

WO #: E07WC1AC

BATCH: 2130218

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	12	115	61 - 118	
Aroclor 1260	10	9.8	98	61 - 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Lot #: A2E100000

WO #: E07WC1AD

BATCH: 2130218

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	10	11	112	61 - 118	
Aroclor 1260	10	9.8	98	61 - 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Matrix Spike ID: S-00-050902-JW-1844

Lot #: A2E100105

WO #: E07MF1AD

BATCH: 2130168

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	500	ND	710	143	26 - 144	
Aroclor 1260	500	91	640	110	37 - 138	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: CONESTOGA ROVERS & ASSOC., INC.

Lab Code: STLCAN

SDG No: 2E10105

Matrix Spike ID: S-00-050902-JW-1844

Lot #: A2E100105

WO #: E07MF1AE

BATCH: 2130168

COMPOUND	SPIKE	MSD	MSD	QC LIMITS		QUAL
	ADDED (ug/kg)	CONCENT. (ug/kg)	% REC	% RPD	RPD REC	
Aroclor 1016	500	670	134	6.3	39	26- 144
Aroclor 1260	500	610	104	4.9	33	37- 138

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 2 outside limits
 Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

E07P21AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number: 2E10105

Lab File ID: 053B5301.

Lot Number: A2E100105

Matrix: SOLID

Extraction Method: 3550

Date Extracted: 05/10/02

Date Analyzed(1): 05/15/02

Date Analyzed(2): N/A

Time Analyzed(1): 01:42

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	S-00-050902-JW-1843	E07L91AA	05/14/02	N/A
02	S-00-050902-JW-1843A	E07ME1AA	05/14/02	N/A
03	S-00-050902-JW-1844	E07MF1AA	05/14/02	N/A
04	S-00-050902-JW-1844	E07MF1AD S	05/14/02	N/A
05	S-00-050902-JW-1844	E07MF1AE D	05/14/02	N/A
06	S-00-050902-JW-1845	E07MG1AA	05/14/02	N/A
07	S-00-050902-JW-1846	E07MJ1AA	05/14/02	N/A
08	S-00-050902-JW-1847	E07MM1AA	05/14/02	N/A
09	S-00-050902-JW-1848	E07MN1AA	05/14/02	N/A
10	S-00-050902-JW-1849	E07MP1AA	05/14/02	N/A
11	S-00-050902-JW-1850	E07MQ1AA	05/14/02	N/A
12	S-00-050902-JW-1851	E07MT1AA	05/14/02	N/A
13	S-00-050902-JW-1852	E07MV1AA	05/15/02	N/A
14	S-00-050902-JW-1852A	E07MX1AA	05/15/02	N/A
15	S-00-050902-JW-1853	E07M01AA	05/15/02	N/A
16	S-00-050902-JW-1854	E07M71AA	05/15/02	N/A
17	S-00-050902-JW-1855	E07M81AA	05/15/02	N/A
18	S-00-050902-JW-1856	E07NA1AA	05/15/02	N/A
19	CHECK SAMPLE	E07P21AC C	05/15/02	N/A
20				

COMMENTS:

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

E07WC1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number: 2E10105

Lab File ID: 029B2901.

Lot Number: A2E100105

Matrix: WATER

Extraction Method: 3550

Date Extracted: 05/10/02

Date Analyzed(1): 05/13/02

Date Analyzed(2): N/A

Time Analyzed(1): 23:31

Time Analyzed(2): N/A

Instrument ID(1): P4

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	EB-00-050902-JW-001	E07M21AA	05/13/02	N/A
02	CHECK SAMPLE	E07WC1AC C	05/13/02	N/A
03	DUPLICATE CHECK	E07WC1AD L	05/14/02	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1843

GC Semivolatiles

Lot-Sample #...: A2E100105-001 Work Order #...: E07L91AA Matrix.....: SO
 Date Sampled...: 05/09/02 10:33 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 2 Initial Wgt/Vol: 30.19 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 29 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	93	ug/kg	15
Aroclor 1221	ND	93	ug/kg	53
Aroclor 1232	ND	93	ug/kg	31
Aroclor 1242	ND	93	ug/kg	51
Aroclor 1248	710	93	ug/kg	13
Aroclor 1254	ND	93	ug/kg	56
Aroclor 1260	230	93	ug/kg	21

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	100	(31 - 127)
Decachlorobiphenyl	100	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\031B3101.D
 Lab Smp Id: E07L91AA Client Smp ID: S-00-050902-JW-1843
 Inj Date : 14-MAY-2002 19:38
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07L91AA,2
 Misc Info :
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOHO5

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.190	initial volume

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----
1	TCMX						CAS #: 877-09-8
2.040	2.040	(0.000)	1233340	0.01000			6.624

2	AROCLOR-1221						CAS #: 11104-28-2
Compound Not Detected							

3	AROCLOR-1016						CAS #: 12674-11-2
Compound Not Detected							

CONCENTRATIONS							
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO

4	AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected							

5	AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected							

6	AROCLOR-1248			CAS #: 12672-29-6			
2.739	2.738	(0.001)		126875	0.10723	71.03 75.00- 125.00	100.00 (M)
3.694	3.691	(0.003)		586401	0.20513	135.9 180.53- 300.89	462.19
4.123	4.120	(0.003)		3334981	1.09179	723.3 187.11- 311.86	2628.56
4.457	4.457	(0.000)		3589324	1.30687	865.8 173.79- 289.66	2829.02
5.004	5.001	(0.003)		1625240	1.08273	717.3 95.05- 158.42	1280.98
Average of Peak Concentrations =				502.7			

7	AROCLOR-1254			CAS #: 11097-69-1			
3.413	3.411	(0.002)		830151	0.45201	299.4 75.00- 125.00	100.00 (M)
4.380	4.396	(-0.016)		1804507	0.54562	361.4 134.72- 224.53	217.37
5.004	5.000	(0.004)		1625240	0.34415	228.0 192.19- 320.32	195.78
5.320	5.315	(0.005)		2167408	0.67689	448.4 186.49- 210.82	261.09
6.112	6.109	(0.003)		1207957	0.39637	262.6 129.17- 215.29	145.51
Average of Peak Concentrations =				320.0			

8	AROCLOR-1260			CAS #: 11096-82-5			
5.270	5.271	(-0.001)		723804	0.21649	143.4 75.00- 125.00	100.00 (M)
6.112	6.111	(0.001)		1207957	0.34268	227.0 82.18- 136.97	166.89
6.723	6.724	(-0.001)		479947	0.19468	129.0 56.35- 93.92	66.31
7.146	7.145	(0.001)		1329205	0.23746	157.3 127.40- 212.34	183.64
7.774	7.774	(0.000)		793760	0.25985	172.1 72.54- 120.90	109.67
Average of Peak Concentrations =				165.8			

10	AROCLOR-1262			CAS #:			
Operator disabled compound identification.							

12	AROCLOR-1268			CAS #:			
Operator disabled compound identification.							

9	DCB			CAS #: 2051-24-3			
10.083	10.084	(-0.001)		408006	0.00998	6.614	

MM
5/15/02

No
pattern
match

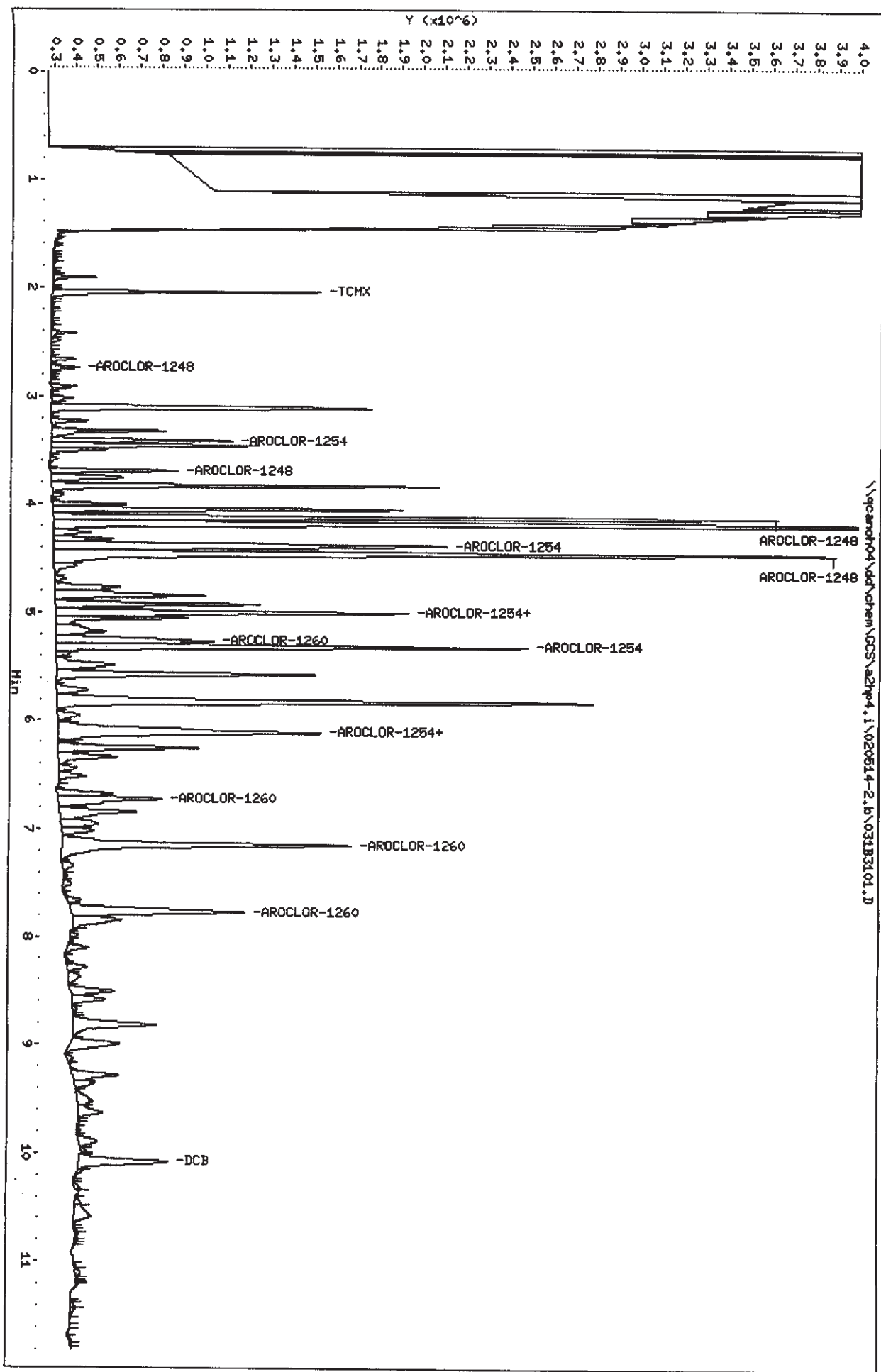
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\031B3101.D
Report Date: 15-May-2002 08:31

QC Flag Legend

M - Compound response manually integrated.

Data File: \\gsarc04\dd\chem\GCS\azhp4.i\020514-2.b\031B3101.D
 Date: 14-MAY-2002 19:38
 Client ID: S-00-050902-M-1843
 Sample Info: E07L9100.2
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1843A

GC Semivolatiles

Lot-Sample #...: A2E100105-002 Work Order #...: E07ME1AA Matrix.....: SO
 Date Sampled...: 05/09/02 10:35 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.09 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 27 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	45	ug/kg	7.3
Aroclor 1221	ND	45	ug/kg	26
Aroclor 1232	ND	45	ug/kg	15
Aroclor 1242	ND	45	ug/kg	25
Aroclor 1248	280	45	ug/kg	6.3
Aroclor 1254	ND	45	ug/kg	27
Aroclor 1260	97	45	ug/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(31 - 127)
Decachlorobiphenyl	80	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\036B3601.D
 Report Date: 15-May-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\036B3601.D
 Lab Smp Id: E07ME1AA Client Smp ID: S-00-050902-JW-1843
 Inj Date : 14-MAY-2002 21:01
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07ME1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.090	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
\$ 1	TCMX				CAS #: 877-09-8	
2.041	2.040	(0.001)	2161357	0.01752	5.824	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5						
Compound Not Detected									
5 AROCLOR-1242			CAS #: 53469-21-9						
Compound Not Detected									
6 AROCLOR-1248			CAS #: 12672-29-6						
2.739	2.738	(0.001)	105541	0.08920	29.64	75.00- 125.00	100.00 (M)		
3.693	3.691	(0.002)	570242	0.19948	66.29	180.53- 300.89	540.30		
4.123	4.120	(0.003)	2567666	0.84059	279.4	187.11- 311.86	2432.86		
4.458	4.457	(0.001)	2824878	1.02854	341.8	173.79- 289.66	2676.57		
5.003	5.001	(0.002)	1435645	0.95642	317.8	95.05- 158.42	1360.27		
Average of Peak Concentrations =					207.0				
7 AROCLOR-1254			CAS #: 11097-69-1						
3.413	3.411	(0.002)	715952	0.38983	129.6	75.00- 125.00	100.00 (M)		
4.398	4.396	(0.002)	1035076	0.31297	104.0	134.72- 224.53	144.57		
5.003	5.000	(0.003)	1435645	0.30401	101.0	192.19- 320.32	200.52		
5.319	5.315	(0.004)	1662630	0.51925	178.6	126.49- 210.82	232.23		
6.112	6.109	(0.003)	995803	0.32675	108.6	129.17- 215.29	139.09		
Average of Peak Concentrations =					123.2				
8 AROCLOR-1260			CAS #: 11096-82-5						
5.271	5.271	(0.000)	620879	0.18570	61.72	75.00- 125.00	100.00 (M)		
6.112	6.111	(0.001)	995803	0.28249	93.88	82.18- 136.97	160.39		
6.723	6.724	(-0.001)	430294	0.17454	58.00	56.35- 93.92	69.30		
7.147	7.145	(0.002)	1129798	0.20183	67.08	127.40- 212.34	181.97		
7.773	7.774	(-0.001)	680174	0.22267	74.00	72.54- 120.90	109.55		
Average of Peak Concentrations =					70.94				
10 AROCLOR-1262			CAS #:						
Operator disabled compound identification.									
12 AROCLOR-1268			CAS #:						
Operator disabled compound identification.									
9 DCB			CAS #: 2051-24-3						
10.083	10.084	(-0.001)	653627	0.01600	5.316				

MM
5/15/02

NO
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\036B3601.D
Report Date: 15-May-2002 07:56

QC Flag Legend

M - Compound response manually integrated.

Data File: \\spanoh04\dd\chem\GC5\azhp4.i\020514-2.b\03683601.D

Date : 14-MAY-2002 21:01

Client ID: S-00-050902-JW-1843

Sample Info: E07ME1A4

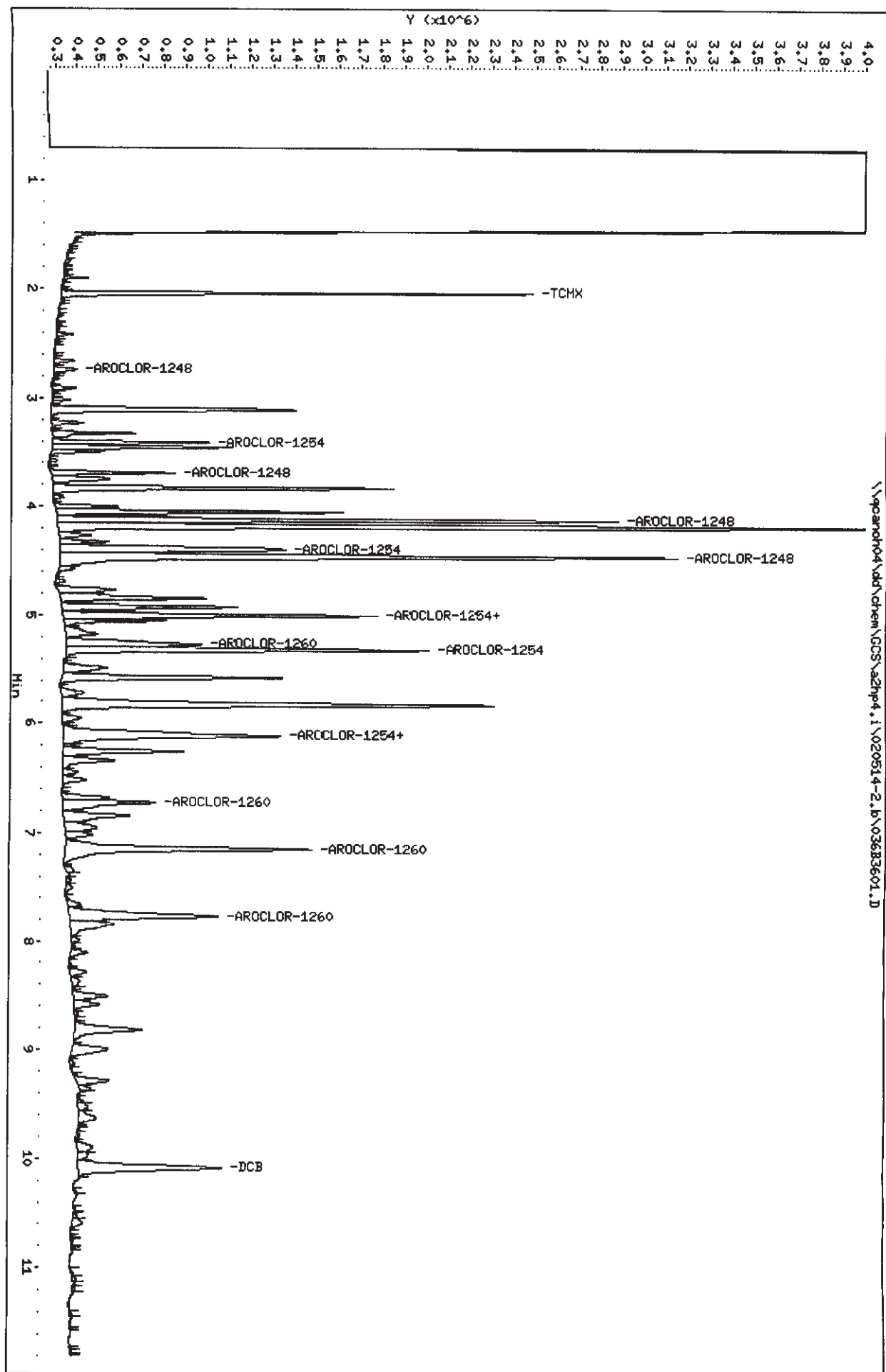
Volume Injected (ul): 1.0

Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1844

GC Semivolatiles

Lot-Sample #...: A2E100105-003 Work Order #...: E07MF1AA Matrix.....: SO
 Date Sampled...: 05/09/02 10:41 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 2 Initial Wgt/Vol: 30.15 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 33 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	99	ug/kg	16
Aroclor 1221	ND	99	ug/kg	57
Aroclor 1232	ND	99	ug/kg	33
Aroclor 1242	ND	99	ug/kg	54
Aroclor 1248	630	99	ug/kg	14
Aroclor 1254	ND	99	ug/kg	60
Aroclor 1260	91 J	99	ug/kg	22

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	95	(31 - 127)
Decachlorobiphenyl	83	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\037B3701.D
 Report Date: 15-May-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\037B3701.D
 Lab Smp Id: E07MF1AA Client Smp ID: S-00-050902-JW-1844
 Inj Date : 14-MAY-2002 21:17
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MF1AA,2
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.150	initial volume

CONCENTRATIONS							
		ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
**	*****	*****	*****	*****	*****	*****	*****
\$ 1	TCMX					CAS #: 877-09-8	
2.040	2.040	(0.000)	1168543	0.00947		6.285	

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL		TARGET RANGE	RATIO	
			RESPONSE (ng)				FINAL	(ug/kg)
---	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.737	2.738	(-0.001)	98021	0.08284	54.95	75.00- 125.00	100.00(M)
3.692	3.691	(0.001)	1307332	0.45733	303.4	180.53- 300.89	1333.73
4.122	4.120	(0.002)	2295588	0.75152	498.5	187.11- 311.86	2341.93
4.457	4.457	(0.000)	2658660	0.96802	642.1	173.79- 289.66	2712.34
5.003	5.001	(0.002)	1331463	0.88702	588.4	95.05- 158.42	1358.34
Average of Peak Concentrations =			417.5				
7 AROCLOR-1254			CAS #: 11097-69-1				
3.412	3.411	(0.001)	1352657	0.73651	488.6	75.00- 125.00	100.00(M)
4.392	4.396	(-0.004)	896286	0.30124	199.8	134.72- 224.53	73.65
5.003	5.000	(0.003)	1331463	0.28195	187.0	192.19- 320.32	98.43
5.318	5.315	(0.003)	962184	0.30049	199.3	126.49- 210.82	71.13
6.113	6.109	(0.004)	379492	0.12452	82.60	129.17- 215.29	28.06
Average of Peak Concentrations =			231.5				
8 AROCLOR-1260			CAS #: 11096-82-5				
5.245	5.271	(-0.026)	438150	0.13105	86.93	75.00- 125.00	100.00(M)
6.113	6.111	(0.002)	379492	0.10766	71.41	82.18- 136.97	86.61
6.722	6.724	(-0.002)	169627	0.06880	45.64	56.35- 93.92	38.71
7.147	7.145	(0.002)	405211	0.07239	48.02	127.40- 212.34	92.48
7.777	7.774	(0.003)	239273	0.07833	51.96	72.54- 120.90	54.61
Average of Peak Concentrations =			60.79				
10 AROCLOR-1262			CAS #:				
Operator disabled compound identification.							
12 AROCLOR-1268			CAS #:				
Operator disabled compound identification.							
9 DCE			CAS #: 2051-24-3				
10.084	10.084	(0.000)	337438	0.00826	5.478		

MM
5/15/02

NO
pattern
match

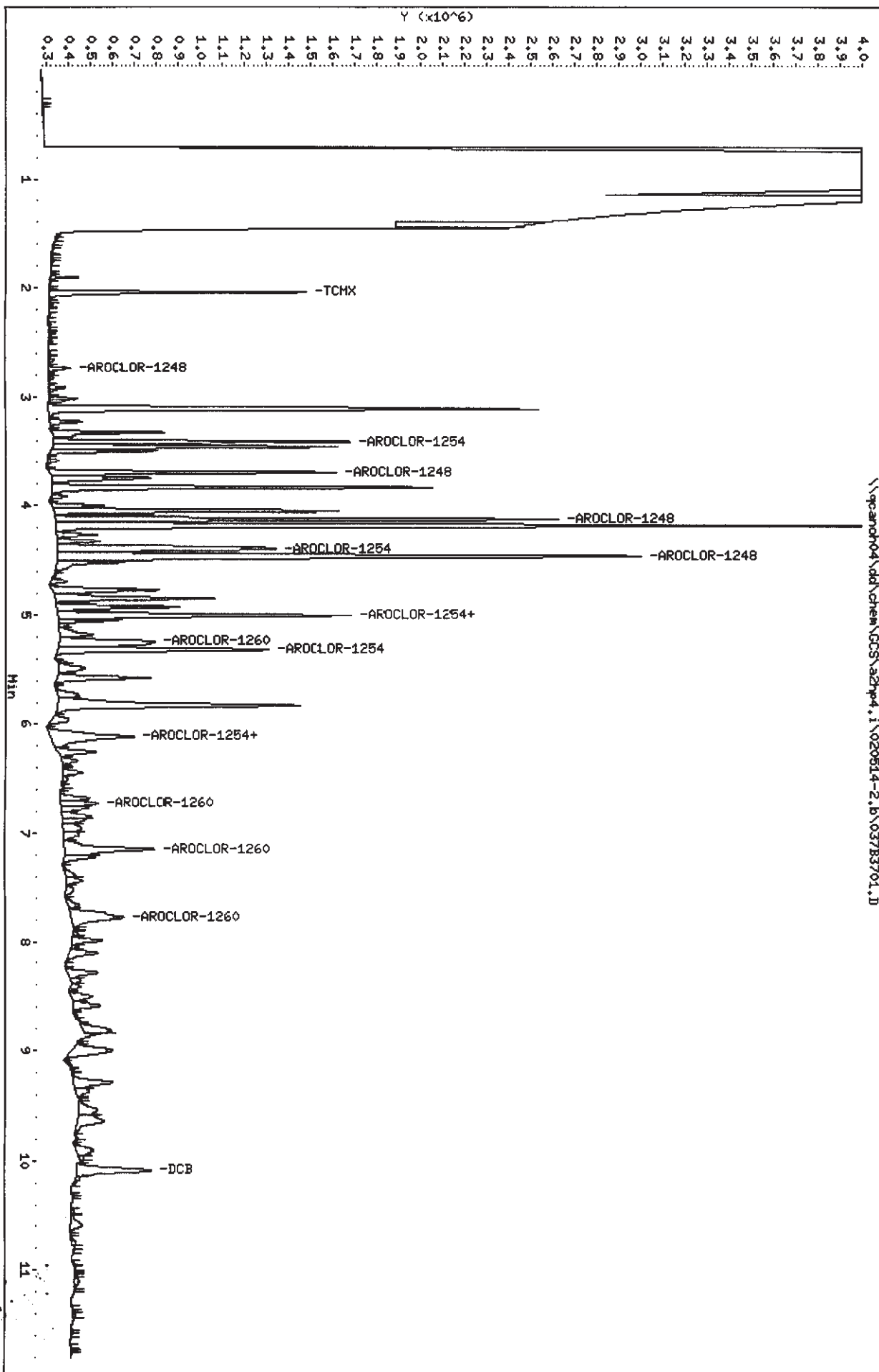
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Report Date: 15-May-2002 07:57

QC Flag Legend

M - Compound response manually integrated.

Data File: \\qpcan04\dd\chem\GCS\azhp4.i\020514-2.b\037B3701.D
 Date: 14-MAY-2002 21:17
 Client ID: S-00-050902-JM-1844
 Sample Info: E07MF100.2
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1845

GC Semivolatiles

Lot-Sample #....: A2E100105-004 Work Order #....: E07MG1AA Matrix.....: SO
 Date Sampled...: 05/09/02 10:43 Date Received..: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date..: 05/14/02
 Prep Batch #....: 2130168
 Dilution Factor: 2 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 34 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	100	ug/kg	16
Aroclor 1221	ND	100	ug/kg	57
Aroclor 1232	ND	100	ug/kg	33
Aroclor 1242	ND	100	ug/kg	54
Aroclor 1248	700	100	ug/kg	14
Aroclor 1254	ND	100	ug/kg	60
Aroclor 1260	200	100	ug/kg	22

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	79	(31 - 127)
Decachlorobiphenyl	69	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\040B4001.D
 Report Date: 15-May-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\040B4001.D
 Lab Smp Id: E07MG1AA Client Smp ID: S-00-050902-JW-1845
 Inj Date : 14-MAY-2002 22:07
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MG1AA,2
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
§ 1	TCMX						CAS #: 877-09-8	
2.040	2.040	(0.000)			980076	0.00795	5.262	
2	AROCLOR-1221						CAS #: 11104-28-2	
Compound Not Detected								
3	AROCLOR-1016						CAS #: 12674-11-2	
Compound Not Detected								

CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----	-----
4 AROCLOR-1232				CAS #: 11141-16-5			
Compound Not Detected							
5 AROCLOR-1242				CAS #: 53469-21-9			
Compound Not Detected							
6 AROCLOR-1248				CAS #: 12672-29-6			
2.740	2.738	(0.002)	220168	0.18607	123.2 75.00- 125.00	100.00	(M)
3.693	3.691	(0.002)	1445735	0.50574	334.9 180.53- 300.89	656.65	
4.122	4.120	(0.002)	2176923	0.71267	472.0 187.11- 311.86	988.76	
4.459	4.457	(0.002)	2911865	1.06021	702.1 173.79- 289.66	1322.57	
5.004	5.001	(0.003)	1554923	1.03588	686.0 95.05- 158.42	706.24	
Average of Peak Concentrations =				463.6			
7 AROCLOR-1254				CAS #: 11097-69-1			
3.413	3.411	(0.002)	1773109	0.96544	639.4 75.00- 125.00	100.00	(M)
4.381	4.396	(-0.015)	1894709	0.60313	399.4 134.72- 224.53	112.50	
5.004	5.000	(0.004)	1554923	0.32926	212.0 192.19- 320.32	87.69	
5.319	5.315	(0.004)	1239563	0.38712	256.4 126.43- 210.82	69.91	
6.112	6.109	(0.003)	796923	0.26149	173.2 129.17- 215.29	44.94	
Average of Peak Concentrations =				337.3			
8 AROCLOR-1260				CAS #: 11096-82-5			
5.269	5.271	(-0.002)	768415	0.22983	152.2 75.00- 125.00	100.00	
6.112	6.111	(0.001)	796923	0.22607	149.7 82.18- 136.97	103.71	
6.723	6.724	(-0.001)	436677	0.17713	117.3 56.35- 93.92	56.83	
7.147	7.145	(0.002)	1063686	0.19002	125.8 127.40- 212.34	138.43	
7.772	7.774	(-0.002)	616838	0.20193	133.7 72.54- 120.90	80.27	
Average of Peak Concentrations =				135.7			
10 AROCLOR-1262				CAS #:			
Operator disabled compound identification.							
12 AROCLOR-1268				CAS #:			
Operator disabled compound identification.							
9 DCB				CAS #: 2051-24-3			
10.084	10.084	(0.000)	280849	0.00687	4.551		(R)

MM
5/15/02

NO
pattern
match

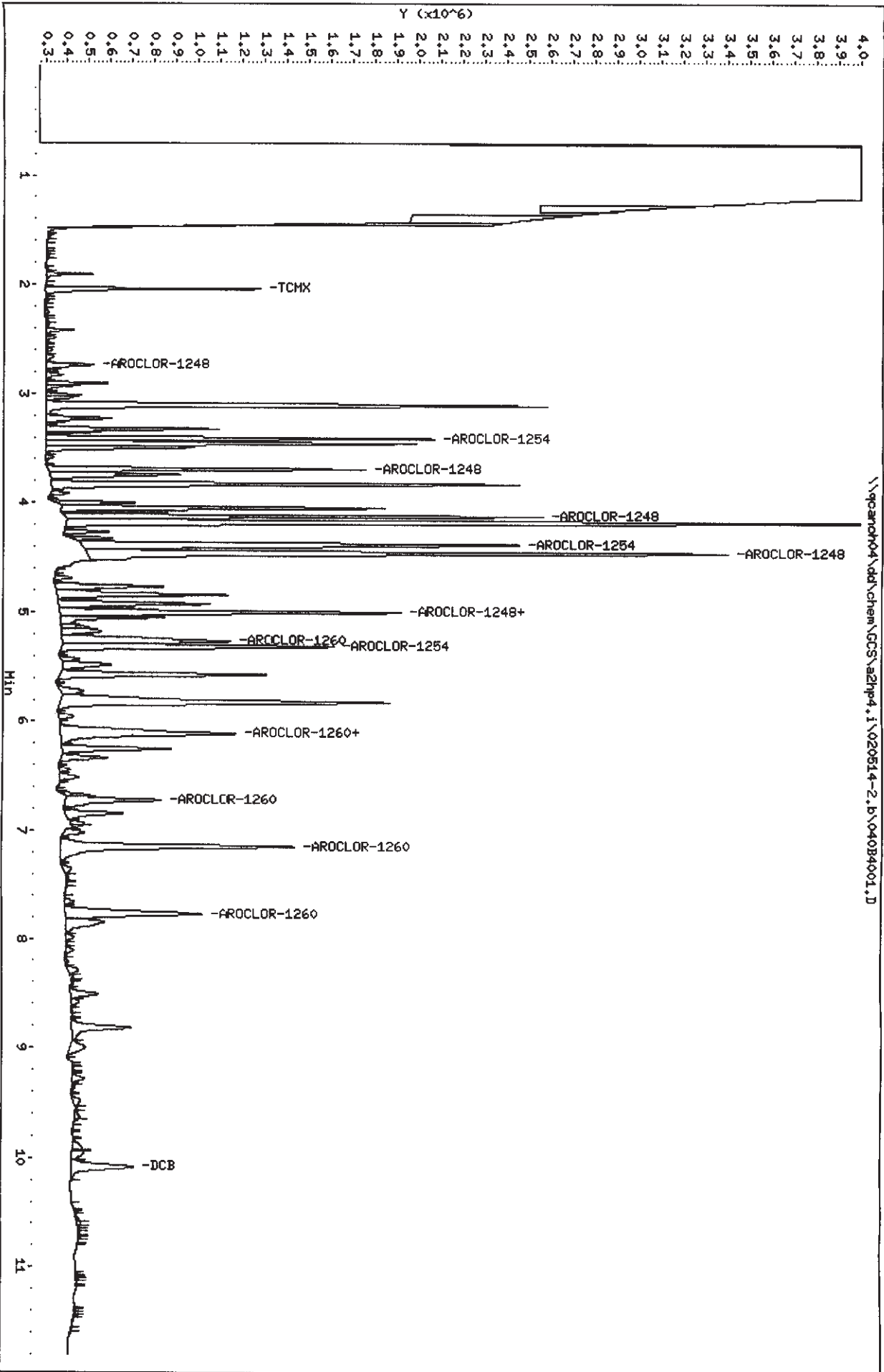
Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\040B4001.D
Report Date: 15-May-2002 07:57

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\pcanor04\dd\chem\GCS\azhp4.i\020514-2.b\04084001.D
 Date: 14-MAY-2002 22:07
 Client ID: S-00-050902-JM-1845
 Sample Info: E07M6100,2
 Volume Injected (uL): 1.0
 Column phase: restek pest clip1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1846

GC Semivolatiles

Lot-Sample #...: A2E100105-005 Work Order #...: E07MJ1AA Matrix.....: SO
 Date Sampled...: 05/09/02 10:55 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.05 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 32 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	49	ug/kg	7.8
Aroclor 1221	ND	49	ug/kg	28
Aroclor 1232	ND	49	ug/kg	16
Aroclor 1242	ND	49	ug/kg	26
Aroclor 1248	36 J	49	ug/kg	6.8
Aroclor 1254	ND	49	ug/kg	29
Aroclor 1260	16 J	49	ug/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(31 - 127)
Decachlorobiphenyl	107	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\041B4101.D
Report Date: 15-May-2002 07:57

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\041B4101.D
Lab Smp Id: E07MJ1AA Client Smp ID: S-00-050902-JW-1846
Inj Date : 14-MAY-2002 22:23
Operator : 1808 Inst ID: a2hp4.i
Smp Info : E07MJ1AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.050	initial volume

CONCENTRATIONS							
		ON-COL	FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
---	-----	-----	---	-----	-----	-----	-----
§ 1 TCMX				CAS #: 877-09-8			
2.042	2.040	(0.002)		2635706	0.02137	7.112	
2 AROCLOR-1221				CAS #: 11104-28-2			
Compound Not Detected							
3 AROCLOR-1016				CAS #: 12674-11-2			
Compound Not Detected							

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.739	2.738	(0.001)	35262	0.02980	9.917	75.00- 125.00	100.00 (M)
3.693	3.691	(0.002)	97582	0.03414	11.36	180.53- 300.89	276.73
4.122	4.120	(0.002)	279950	0.09165	30.50	187.11- 311.86	793.91
4.456	4.457	(-0.001)	364582	0.13274	44.17	173.79- 289.66	1033.92
5.004	5.001	(0.003)	121484	0.08093	26.93	95.05- 158.42	344.52
Average of Peak Concentrations =			24.58				
7 AROCLOR-1254			CAS #: 11097-69-1				
3.412	3.411	(0.002)	90584	0.04932	16.41	75.00- 125.00	100.00 (M)
4.396	4.396	(0.000)	0			134.72- 224.53	0.00
5.004	5.000	(0.004)	121484	0.02572	8.561	192.19- 320.32	134.11
5.319	5.315	(0.004)	325975	0.10180	33.88	126.49- 210.82	359.86
6.112	6.109	(0.003)	205769	0.06752	22.47	129.17- 213.29	227.26
Average of Peak Concentrations =			20.33				
8 AROCLOR-1260			CAS #: 11096-82-5				
5.256	5.271	(-0.015)	65907	0.01971	6.560	75.00- 125.00	100.00 (M)
6.112	6.111	(0.001)	205769	0.05837	19.42	82.18- 136.97	312.21
6.724	6.724	(0.000)	61555	0.02497	8.309	56.35- 93.92	93.40
7.145	7.145	(0.000)	159611	0.02851	9.489	127.40- 212.94	242.18
7.772	7.774	(-0.002)	108829	0.03563	11.86	72.54- 120.90	165.13
Average of Peak Concentrations =			11.13				
10 AROCLOR-1262			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
12 AROCLOR-1268			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
9 DCB			CAS #: 2051-24-3				
10.083	10.084	(-0.001)	878483	0.02150	7.154		

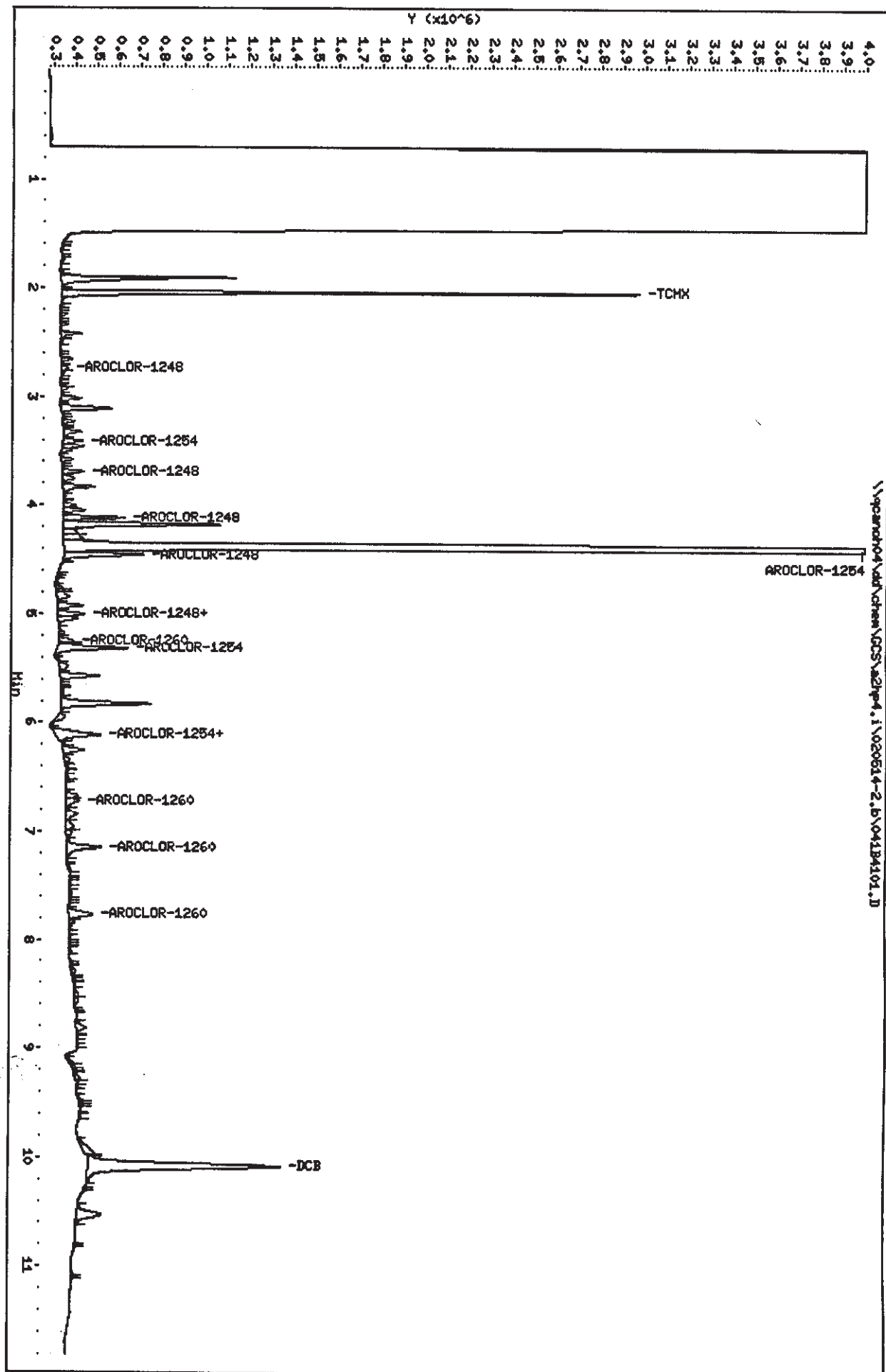
MM
5/15/02

NO
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\2hp4.i\020514-2.b\041B4101.D
Report Date: 15-May-2002 07:57

QC Flag Legend

M - Compound response manually integrated.



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1847

GC Semivolatiles

Lot-Sample #...: A2E100105-006 Work Order #...: E07MM1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:00 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 5 Initial Wgt/Vol: 30.12 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 26 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	220	ug/kg	36
Aroclor 1221	ND	220	ug/kg	130
Aroclor 1232	ND	220	ug/kg	74
Aroclor 1242	ND	220	ug/kg	120
Aroclor 1248	1400	220	ug/kg	31
Aroclor 1254	ND	220	ug/kg	130
Aroclor 1260	290	220	ug/kg	50

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	0.0 DIL, *	(31 - 127)
Decachlorobiphenyl	0.0 DIL, *	(23 - 141)

NOTE(S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\042B4201.D
Report Date: 15-May-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\042B4201.D
Lab Smp Id: E07MM1AA Client Smp ID: S-00-050902-JW-1847
Inj Date : 14-MAY-2002 22:40
Operator : 1808 Inst ID: a2hp4.i
Smp Info : E07MM1AA,5
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
Als bottle: 1
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.120	initial volume

CONCENTRATIONS							
		ON-COL	FINAL				
RT	KIP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
1	TCMX					CAS #: 877-09-8	
Operator disabled compound identification.							
2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							
3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

		CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----	
4 AROCLOR-1232			CAS #: 11141-16-5					
Compound Not Detected								
5 AROCLOR-1242			CAS #: 53469-21-9					
Compound Not Detected								
6 AROCLOR-1248			CAS #: 12672-29-6					
2.739	2.738	(0.001)	222035	0.18765	311.5	75.00- 125.00	100.00(M)	
3.692	3.691	(0.001)	1896640	0.66348	1101	180.53- 300.89	854.21	
4.122	4.120	(0.002)	1713691	0.56102	931.3	187.11- 311.86	771.81	
4.458	4.457	(0.001)	2521198	0.91797	1524	173.79- 289.66	1135.50	
5.002	5.001	(0.001)	1378562	0.91839	1524	95.05- 158.42	620.88	
Average of Peak Concentrations =			1078					
7 AROCLOR-1254			CAS #: 11097-69-1					
3.412	3.411	(0.001)	1526551	0.83119	1380	75.00- 125.00	100.00(M)	
4.401	4.396	(0.005)	814068	0.24615	408.6	134.72- 224.53	53.33	
5.002	5.000	(0.002)	1378562	0.29192	484.6	192.19- 320.32	90.31	
5.317	5.315	(0.002)	887724	0.27724	460.2	126.45- 210.82	58.15	
6.109	6.109	(0.000)	543842	0.17845	296.2	129.17- 215.29	35.63	
Average of Peak Concentrations =			605.9					
8 AROCLOR-1260			CAS #: 11096-82-5					
5.267	5.271	(-0.004)	506513	0.15150	251.5	75.00- 125.00	100.00(M)	
6.109	6.111	(-0.002)	543842	0.15428	256.1	82.18- 136.97	107.37	
6.722	6.724	(-0.002)	275266	0.11165	185.3	56.35- 93.92	54.35	
7.144	7.145	(-0.001)	645624	0.11534	191.5	127.40- 212.34	127.46	
7.773	7.774	(-0.001)	369149	0.12085	200.6	72.54- 120.90	72.88	
Average of Peak Concentrations =			217.0					
10 AROCLOR-1262			CAS #:					
Peaks not detected for Quant. or Qual. signal(s).								
12 AROCLOR-1268			CAS #:					
Peaks not detected for Quant. or Qual. signal(s).								

MM
5/15/02

No
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\042B4201.D
Report Date: 15-May-2002 07:58

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----	-----

§ 9 DCB

CAS #: 2051-24-3

Operator disabled compound identification.

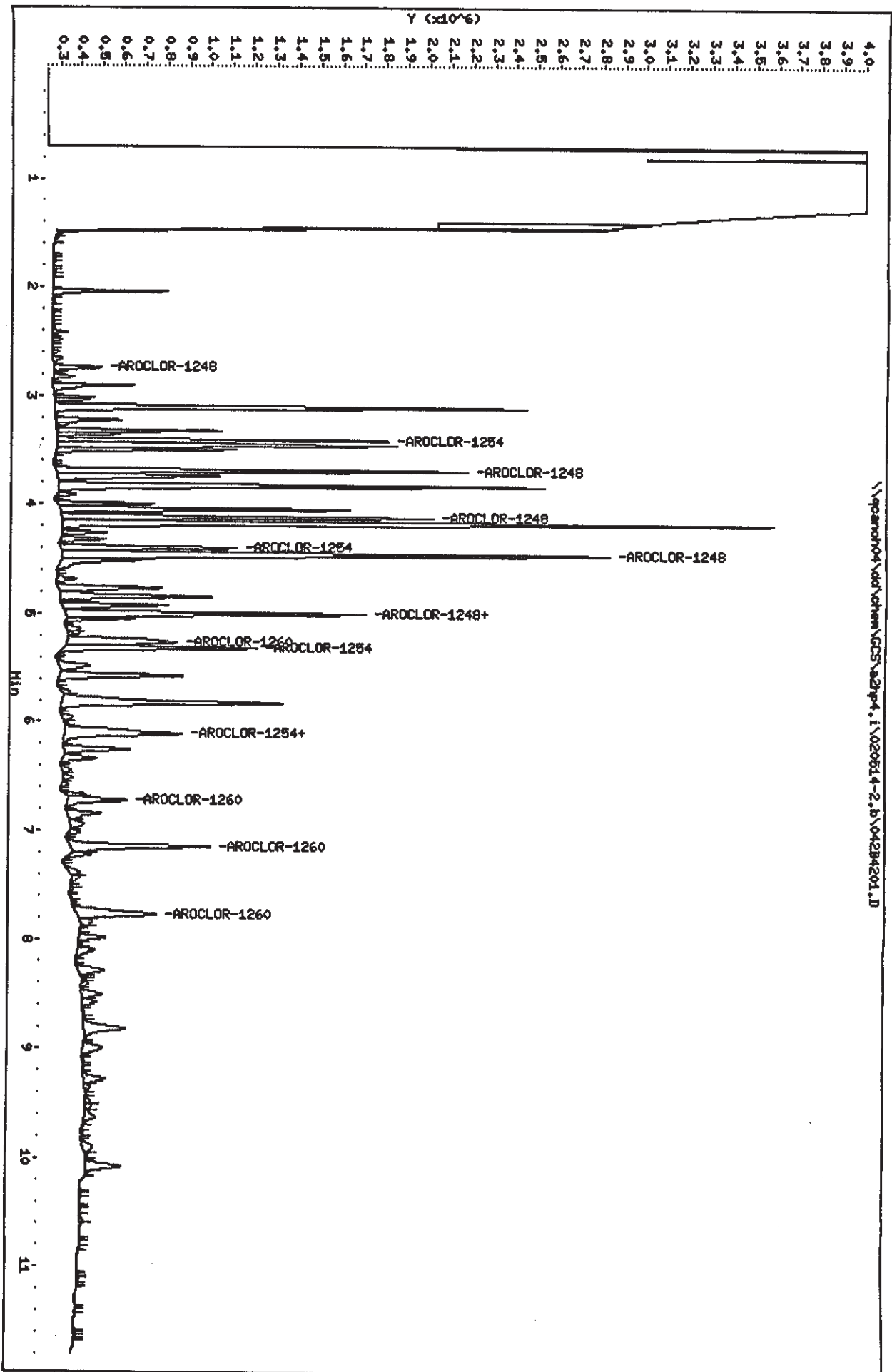
QC Flag Legend

M - Compound response manually integrated.

Data File: \\parran04\dd\chem\NCS\adhp4.1\020514-2.B\04284201.D
 Date: 14-MAY-2002 22:40
 Client ID: S-00-060902-JM-1847
 Sample Info: E07MH00,5
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: adhp4.i
 Operator: 1808
 Column diameter: 0.53

\\parran04\dd\chem\NCS\adhp4.1\020514-2.B\04284201.D



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1848

GC Semivolatiles

Lot-Sample #...: A2E100105-007 Work Order #...: E07MN1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:02 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.02 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 33 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	49	ug/kg	7.9
Aroclor 1221	ND	49	ug/kg	28
Aroclor 1232	ND	49	ug/kg	16
Aroclor 1242	ND	49	ug/kg	27
Aroclor 1248	250	49	ug/kg	6.8
Aroclor 1254	ND	49	ug/kg	30
Aroclor 1260	77	49	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	92	(31 - 127)
Decachlorobiphenyl	99	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\043B4301.D
 Report Date: 15-May-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\043B4301.D
 Lab Smp Id: E07MN1AA Client Smp ID: S-00-050902-JW-1848
 Inj Date : 14-MAY-2002 22:56
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MN1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.020	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----
\$ 1	TCMX				CAS #: 877-09-8	
2.039	2.040	(-0.001)	2272604	0.01843	6.138	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

CONCENTRATIONS								
RT	REP RT	DLT RT	RT	RESPONSE (mg)	CON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232				CAS #: 11141-16-5				
Compound Not Detected								
5 AROCLOR-1242				CAS #: 53469-21-9				
Compound Not Detected								
6 AROCLOR-1248				CAS #: 12672-29-6				
2.739	2.738	(0.001)		218163	0.18438	61.42	75.00- 125.00	100.00 (M)
3.692	3.691	(0.001)		983931	0.34420	114.6	180.53- 300.89	451.01
4.121	4.120	(0.001)		1456496	0.47682	158.8	187.11- 311.86	667.62
4.456	4.457	(-0.001)		2184413	0.79534	264.9	173.79- 289.66	1001.28
5.003	5.001	(0.002)		1009381	0.67245	224.0	95.05- 158.42	462.67
Average of Peak Concentrations =				164.7				
7 AROCLOR-1254				CAS #: 11097-69-1				
3.413	3.411	(0.002)		814156	0.44330	147.7	75.00- 125.00	100.00 (M)
4.400	4.396	(0.004)		514782	0.15565	51.85	134.72- 224.53	63.23
5.003	5.000	(0.003)		1009381	0.21374	71.20	192.19- 320.32	123.98
5.317	5.315	(0.002)		1137524	0.35525	118.3	126.49- 210.82	139.72
6.110	6.109	(0.001)		742776	0.24373	81.19	129.17- 215.29	91.23
Average of Peak Concentrations =				94.05				
8 AROCLOR-1260				CAS #: 11096-82-5				
5.268	5.271	(-0.003)		472536	0.14133	47.08	75.00- 125.00	100.00 (M)
6.110	6.111	(-0.001)		742776	0.21071	70.19	82.18- 136.97	157.19
6.721	6.724	(-0.003)		313626	0.12721	42.38	56.35- 93.92	66.37
7.144	7.145	(-0.001)		790105	0.14115	47.02	127.40- 212.34	167.21
7.771	7.774	(-0.003)		461765	0.15117	50.35	72.54- 120.90	97.72
Average of Peak Concentrations =				51.40				
10 AROCLOR-1262				CAS #:				
Operator disabled compound identification.								
12 AROCLOR-1268				CAS #:				
Operator disabled compound identification.								
9 DCB				CAS #: 2051-24-3				
10.081	10.084	(-0.003)		806705	0.01974	6.576		

MM
5/15/02

No
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\A2HP4.1\020514-2.b\043B4301.D
Report Date: 15-May-2002 07:58

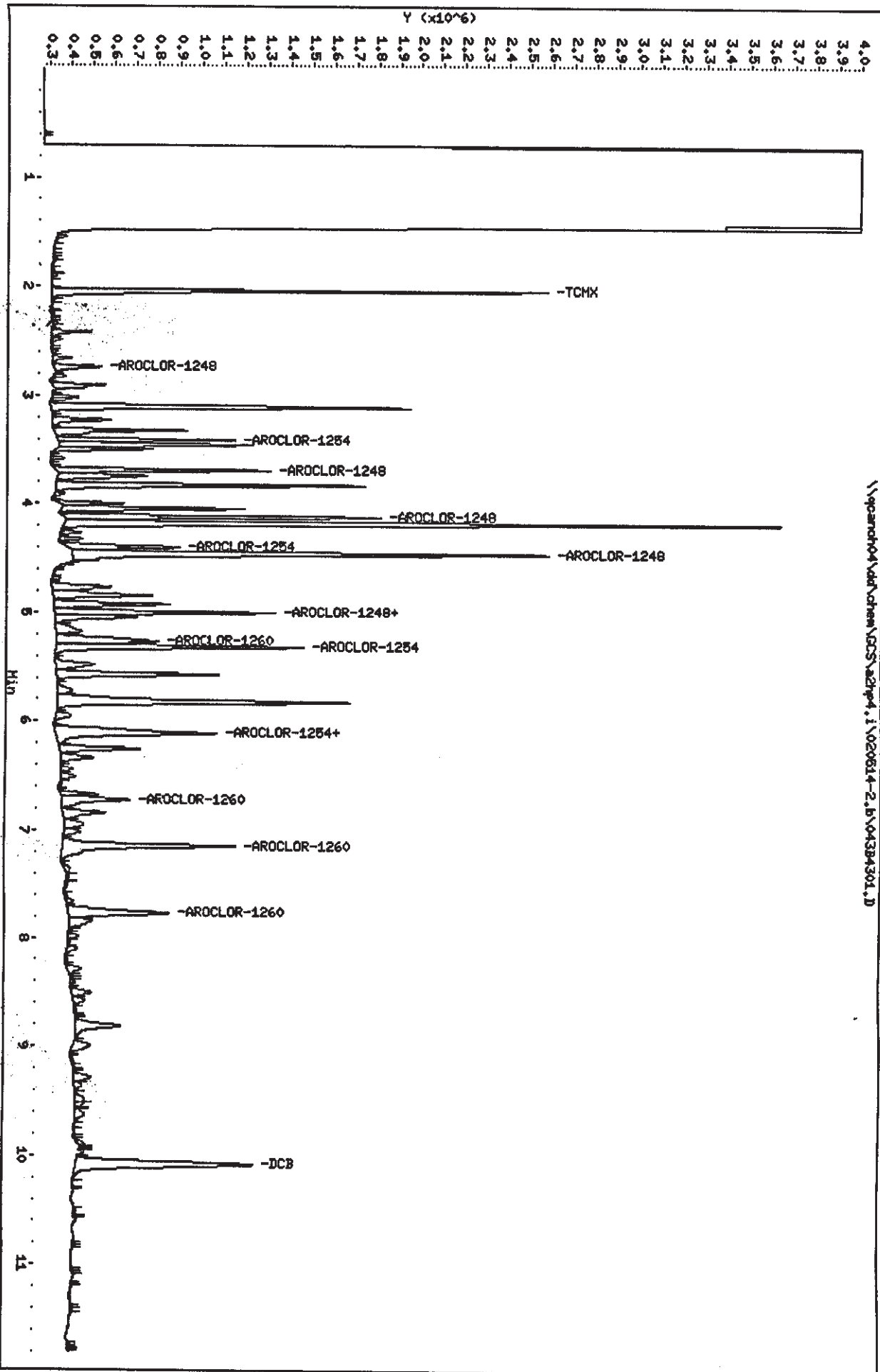
QC Flag Legend

M - Compound response manually integrated.

Data File: \\epandh04\dat\chem\SCS\azhp4.i\020614-2.b\043B4301.J
 Date: 14-MAY-2002 22:56
 Client ID: S-00-050902-JW-1848
 Sample Info: E07MML06
 Volume Injected (uL): 1.0
 Column phase: restek pest clip1

Instrument: azhp4.i
 Operator: 1808
 Column diameter: 0.53

\\epandh04\dat\chem\SCS\azhp4.i\020614-2.b\043B4301.J



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1849

GC Semivolatiles

Lot-Sample #....: A2E100105-008 Work Order #....: E07MP1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:12 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #....: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.06 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 27 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	45	ug/kg	7.3
Aroclor 1221	ND	45	ug/kg	26
Aroclor 1232	ND	45	ug/kg	15
Aroclor 1242	ND	45	ug/kg	25
Aroclor 1248	38 J	45	ug/kg	6.3
Aroclor 1254	ND	45	ug/kg	27
Aroclor 1260	24 J	45	ug/kg	10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	107	(31 - 127)
Decachlorobiphenyl	109	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\044B4401.D
 Report Date: 15-May-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\044B4401.D
 Lab Smp Id: E07MP1AA Client Smp ID: S-00-050902-JW-1849
 Inj Date : 14-MAY-2002 23:13
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MP1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.060	initial volume

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	-----	-----	-----	-----	-----
6	1	TCMX			CAS #: 877-09-8		
2.041	2.040	(0.001)	2636300	0.02137	7.111		

	2	AROCLOR-1221			CAS #: 11104-28-2		
Compound Not Detected							

	3	AROCLOR-1016			CAS #: 12674-11-2		
Compound Not Detected							

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ug/kg)	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5				
Compound Not Detected							
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							
6 AROCLOR-1248			CAS #: 12672-29-6				
2.740	2.738	(0.002)	48004	0.04057	13.50 75.00- 125.00	100.00(M)	
3.694	3.691	(0.003)	127850	0.04472	14.88 180.53- 300.89	266.33	
4.123	4.120	(0.003)	329663	0.10792	35.90 187.11- 311.86	686.74	
4.457	4.457	(0.000)	366697	0.13351	44.42 173.79- 289.66	763.89	
5.004	5.001	(0.003)	138953	0.09257	30.80 95.05- 158.42	289.46	
Average of Peak Concentrations =				27.90			
7 AROCLOR-1254			CAS #: 11097-69-1				
3.411	3.411	(0.000)	123947	0.06749	22.45 75.00- 125.00	100.00(M)	
4.403	4.396	(0.007)	85139	0.02574	8.564 134.72- 224.53	68.69	
5.004	5.000	(0.004)	138953	0.02943	3.788 192.19- 320.32	112.11	
5.320	5.315	(0.005)	408710	0.12764	42.46 126.49- 210.82	329.75	
6.112	6.109	(0.003)	266205	0.08735	29.06 129.17- 215.29	214.77	
Average of Peak Concentrations =				22.46			
8 AROCLOR-1260			CAS #: 11096-82-5				
5.270	5.271	(-0.001)	81199	0.02429	8.079 75.00- 125.00	100.00(M)	
6.112	6.111	(0.001)	266205	0.07552	25.12 82.18- 136.97	327.84	
6.723	6.724	(-0.001)	105007	0.04259	14.17 56.35- 93.92	129.32	
7.146	7.145	(0.001)	317364	0.05670	18.86 127.40- 212.34	390.85	
7.772	7.774	(-0.002)	202886	0.06642	22.10 72.54- 120.90	249.86	
Average of Peak Concentrations =				17.66			
10 AROCLOR-1262			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
12 AROCLOR-1268			CAS #:				
Peaks not detected for Quant. or Qual. signal(s).							
9 DCB			CAS #: 2051-24-3				
10.085	10.084	(0.001)	890515	0.02179	7.249		

MM
5/15/02

NO
pattern
match

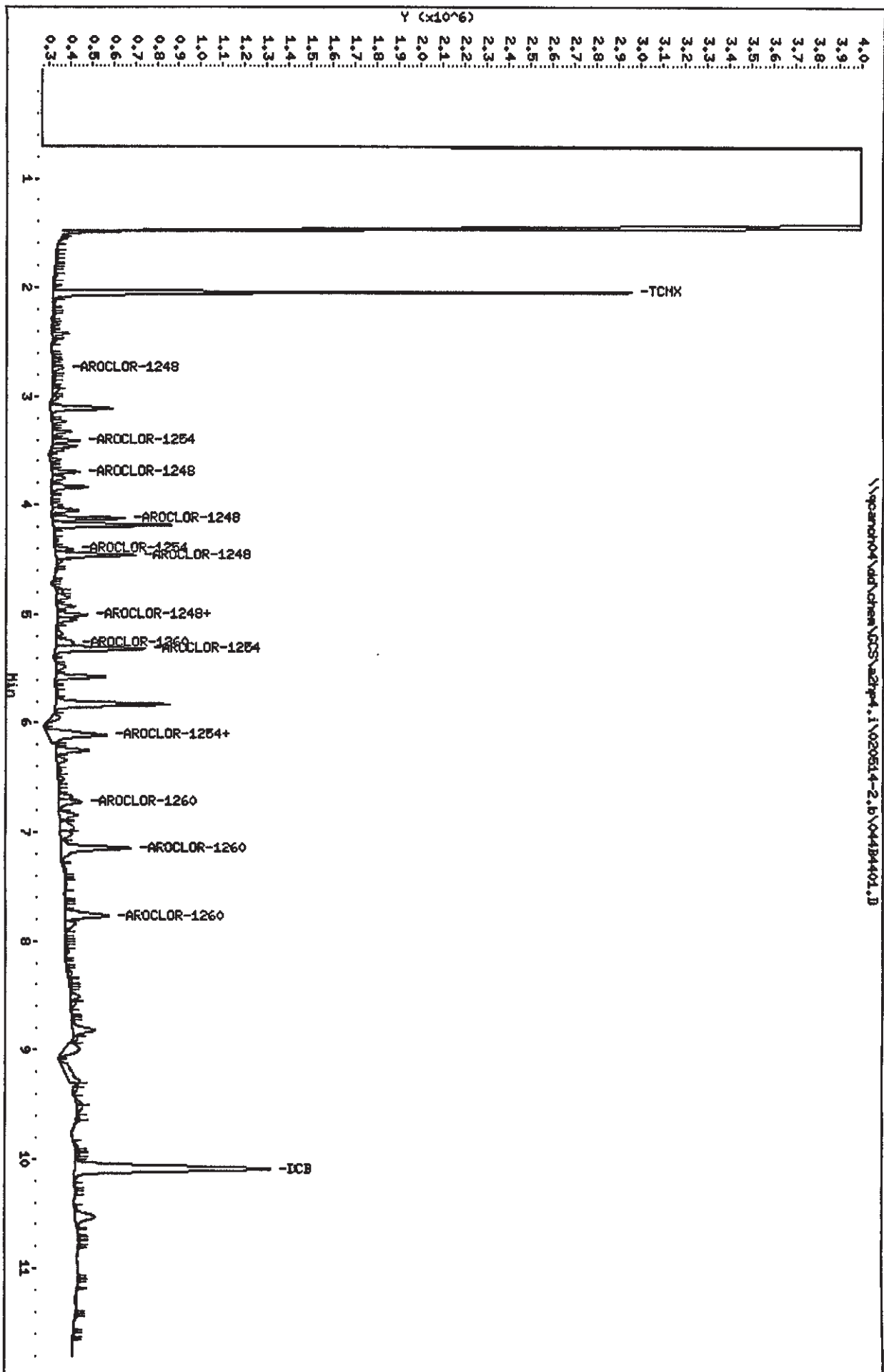
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Report Date: 15-May-2002 07:58

QC Flag Legend

M - Compound response manually integrated.

Data File: \\spanand04\nd\Nchem\GCSS\az2hp4.i\020514-2.b\044B4401.D
 Date: 14-MAY-2002 23:13
 Client ID: S-00-050902-JM-1849
 Sample Info: E07WP100
 Volume Injected (uL): 1.0
 Column phases: restek pest c1p1

Instrument: az2hp4.i
 Operator: LB08
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1850

GC Semivolatiles

Lot-Sample #...: A2E100105-009 Work Order #...: E07MQ1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:14 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 5 Initial Wgt/Vol: 30.15 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 28 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	230	ug/kg	37
Aroclor 1221	ND	230	ug/kg	130
Aroclor 1232	ND	230	ug/kg	76
Aroclor 1242	ND	230	ug/kg	120
Aroclor 1248	1200	230	ug/kg	32
Aroclor 1254	ND	230	ug/kg	140
Aroclor 1260	230	230	ug/kg	51

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL, *	(31 - 127)
Decachlorobiphenyl	0.0 DIL, *	(23 - 141)

NOTE (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\045B4501.D
 Report Date: 15-May-2002 07:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\045B4501.D
 Lab Smp Id: E07MQ1AA Client Smp ID: S-00-050902-JW-1850
 Inj Date : 14-MAY-2002 23:30
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MQ1AA,5
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.150	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
..
			RESPONSE (ng)	(ug/kg)		

\$ 1 TCXK CAS #: 877-09-8

Operator disabled compound identification.

2 AROCLOR-1221 CAS #: 11104-28-2

Compound Not Detected

3 AROCLOR-1016 CAS #: 12674-11-2

Compound Not Detected

CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL		TARGET RANGE	RATIO	
			RESPONSE (ng)	FINAL (ug/kg)			

4	AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected							

5	AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected							

6	AROCLOR-1248			CAS #: 12672-29-6			
2.738	2.738	(0.000)	152361	0.12877	213.5	75.00- 125.00	100.00 (M)
3.692	3.691	(0.001)	611916	0.21406	355.0	180.53- 300.89	401.62
4.121	4.120	(0.001)	2097471	0.68666	1139	187.11- 311.86	1376.65
4.457	4.457	(0.000)	2371188	0.86335	1432	173.79- 289.66	1556.30
5.003	5.001	(0.002)	981579	0.65392	1084	95.05- 158.42	644.25
Average of Peak Concentrations =			844.7				

7	AROCLOR-1254			CAS #: 11097-69-1			
3.413	3.411	(0.002)	873252	0.47548	788.5	75.00- 125.00	100.00 (M)
4.396	4.396	(0.000)	0			134.72- 224.53	0.00
4.803	4.800	(0.003)	981579	0.20780	344.7	192.19- 320.32	112.41
5.317	5.315	(0.002)	934940	0.29199	484.2	126.49- 210.82	107.06
6.110	6.109	(0.001)	498678	0.16363	271.4	129.17- 215.29	57.11
Average of Peak Concentrations =			472.2				

8	AROCLOR-1260			CAS #: 11096-82-5			
5.267	5.271	(-0.004)	383648	0.11475	190.3	75.00- 125.00	100.00 (M)
6.110	6.111	(-0.001)	498678	0.14147	234.6	82.18- 136.97	129.98
6.722	6.724	(-0.002)	169051	0.06857	113.7	56.35- 93.92	44.06
7.144	7.145	(-0.001)	456415	0.08154	135.2	127.40- 212.34	118.97
7.772	7.774	(-0.002)	275530	0.09020	149.6	72.54- 120.90	71.82
Average of Peak Concentrations =			164.7				

10	AROCLOR-1262			CAS #:			
Operator disabled compound identification.							

12	AROCLOR-1268			CAS #:			
Operator disabled compound identification.							

MM
5/15/02

NO
pattern
match

Data File: \\qcanoh04\dd\chem\GCS\2hp4.i\020514-2.b\045B4501.D
Report Date: 15-May-2002 07:58

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ug/kg)		
..

9 DCE CAS #: 2051-24-3

Operator disabled compound identification.

QC Flag Legend

M - Compound response manually integrated.

Data File: \\vaparrhof4\dd\Nchem\NCS\azhp4.i\020514-2.b\045B4501.D

Date: 14-MAY-2002 23:30

Client ID: S-00-050902-JH-1850

Sample Info: E07M0100,5

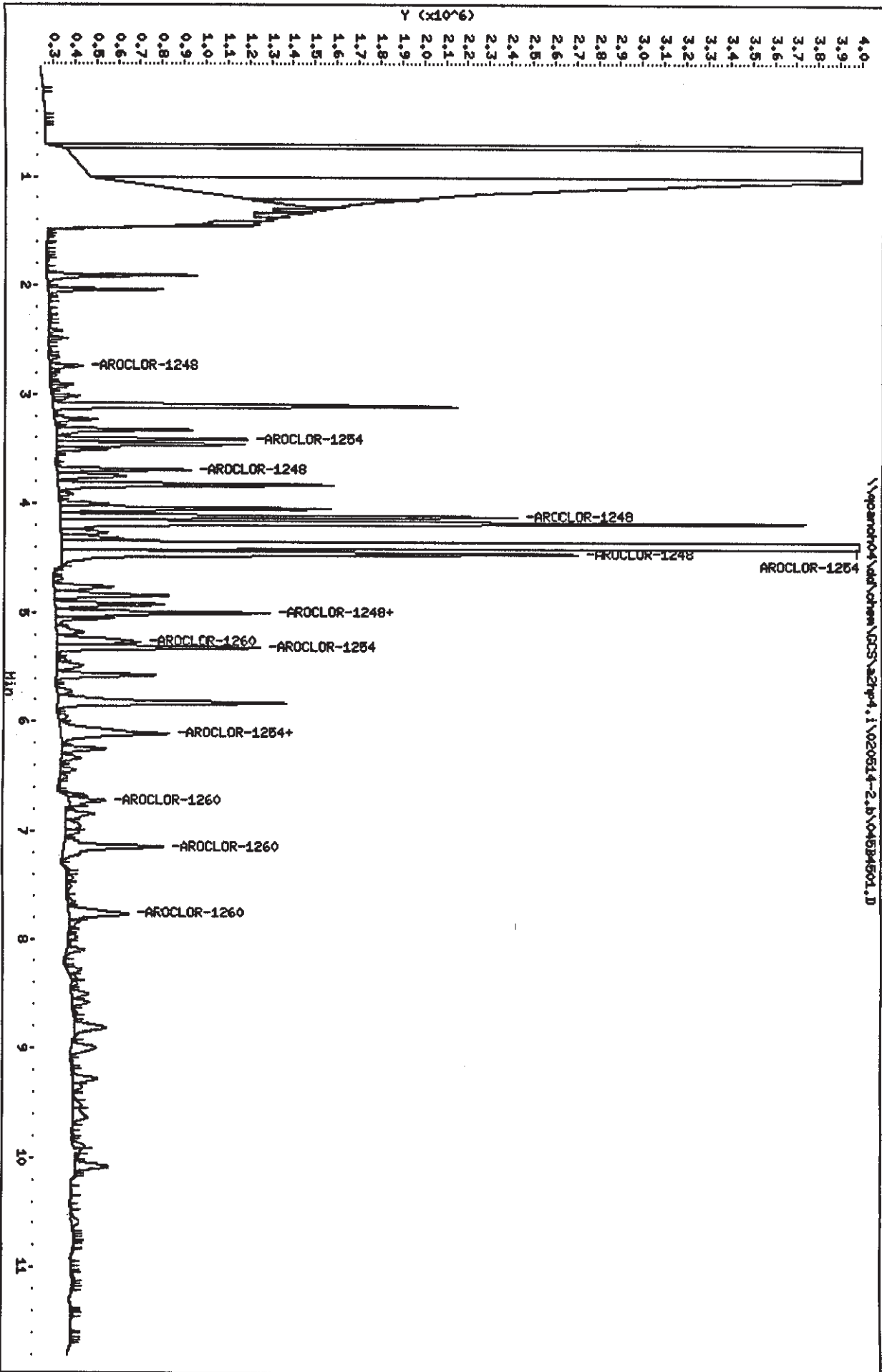
Volume Injected (uL): 1.0

Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1851

GC Semivolatiles

Lot-Sample #...: A2E100105-010 Work Order #...: E07MT1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:17 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.03 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 29 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	46	ug/kg	7.4
Aroclor 1221	ND	46	ug/kg	27
Aroclor 1232	ND	46	ug/kg	15
Aroclor 1242	ND	46	ug/kg	25
Aroclor 1248	ND	46	ug/kg	6.5
Aroclor 1254	ND	46	ug/kg	28
Aroclor 1260	ND	46	ug/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(31 - 127)
Decachlorobiphenyl	100	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\046B4601.D
 Report Date: 15-May-2002 07:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\046B4601.D
 Lab Smp Id: E07MT1AA Client Smp ID: S-00-050902-JW-1851
 Inj Date : 14-MAY-2002 23:46
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MT1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.030	initial volume

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
# 1	TCMX				CAS #: 877-09-8	
2.041	2.040	(0.001)	2381135	0.01931	6.429	

2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						

10						
10 AROCLOR-1262			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						

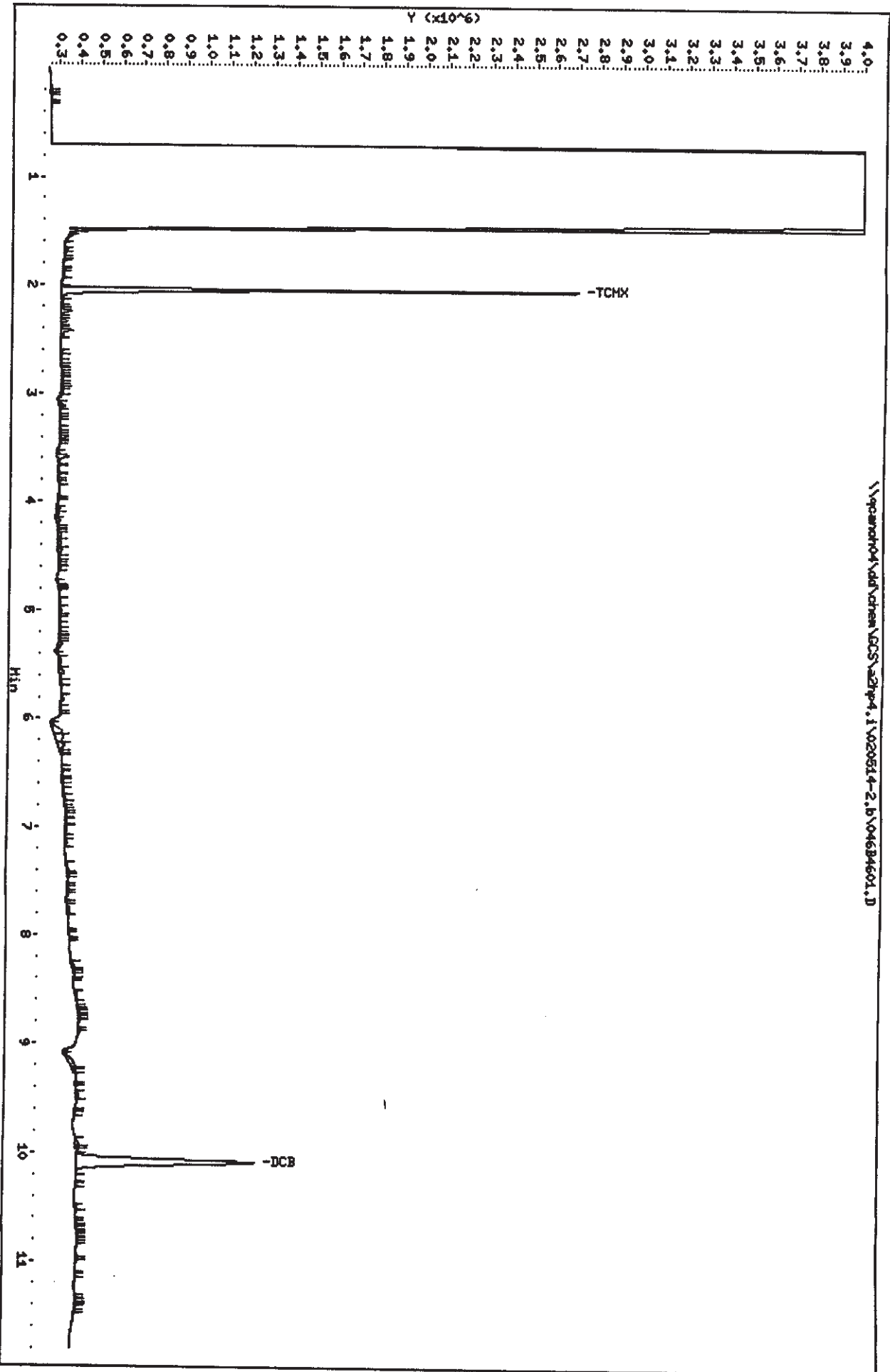
12						
12 AROCLOR-1268			CAS #:			
Peaks not detected for Quant. or Qual. signal(s).						

9						
9 DCB			CAS #: 2051-24-3			
10.083	10.084	(-0.001)	815957	0.01997	6.649	

Data File: \\pqrndh04\dd\chem\DCS\27p4.1\020514-2.1\046B4601.D
 Date : 14-MAY-2002 23:46
 Client ID: S-00-050902-34-1881
 Sample Info: E07HT1881
 Volume Injected (μL): 1.0
 Column phase: restek pest c1p1

Instrument: 27p4.1
 Operator: 1808
 Column diameter: 0.53

\\pqrndh04\dd\chem\DCS\27p4.1\020514-2.1\046B4601.D



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1852

GC Semivolatiles

Lot-Sample #...: A2E100105-011 Work Order #...: E07MV1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:20 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.12 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 31 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	48	ug/kg	7.7
Aroclor 1221	ND	48	ug/kg	28
Aroclor 1232	ND	48	ug/kg	16
Aroclor 1242	ND	48	ug/kg	26
Aroclor 1248	ND	48	ug/kg	6.7
Aroclor 1254	ND	48	ug/kg	29
Aroclor 1260	ND	48	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	116	(31 - 127)
Decachlorobiphenyl	111	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\047B4701.D
 Report Date: 15-May-2002 07:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\047B4701.D
 Lab Smp Id: E07MV1AA Client Smp ID: S-00-050902-JW-1852
 Inj Date : 15-MAY-2002 00:03
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MV1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.120	initial volume

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
..	.....	.....	RESPONSE (ng)	(ug/kg)	.....	.....	.....
\$ 1	TCMX				CAS #: 877-09-8		
2.041	2.040	(0.001)	2864963	0.02323	7.712		

2	AROCLOR-1221				CAS #: 11104-28-2		
Compound Not Detected							

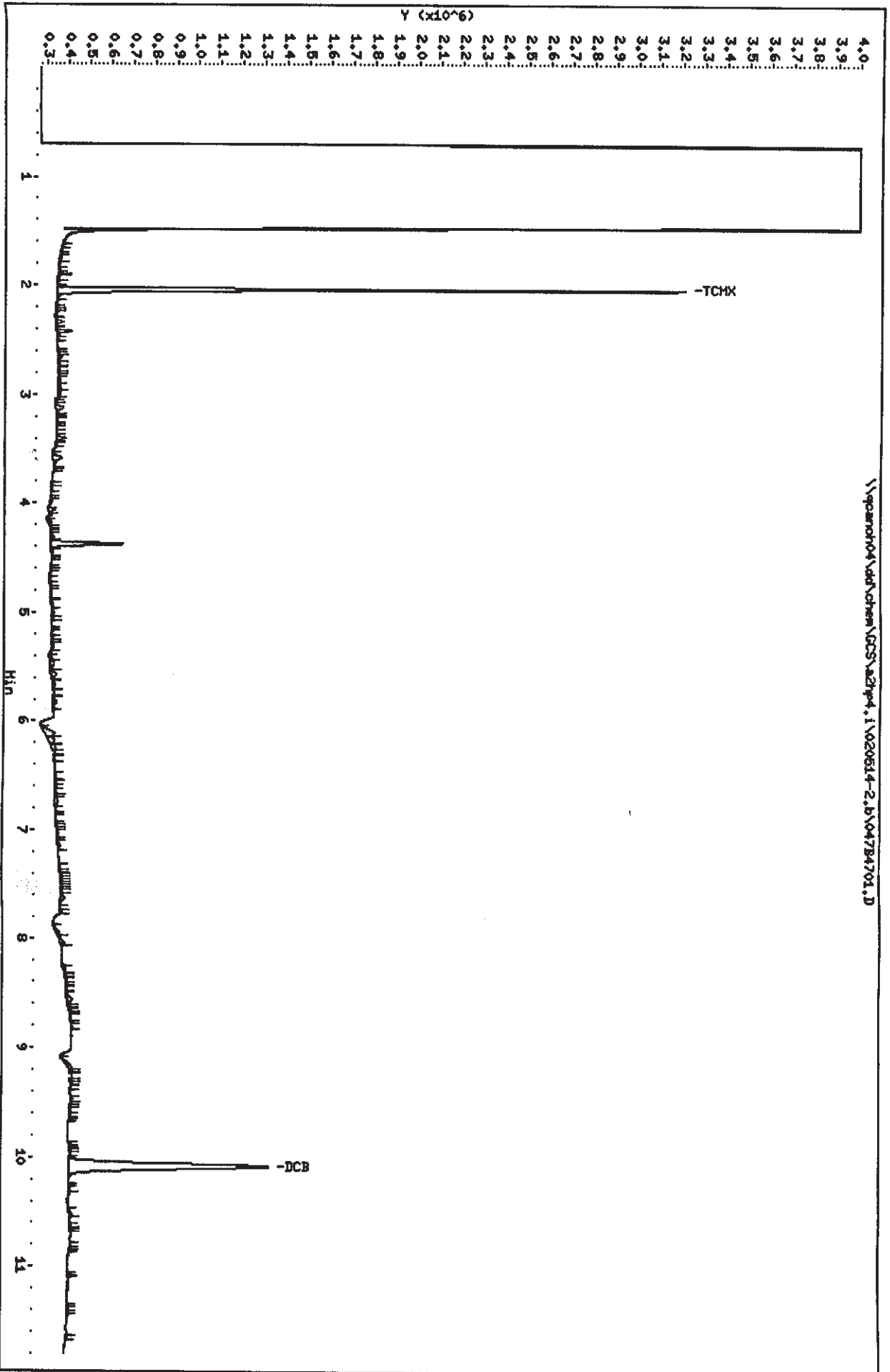
3	AROCLOR-1016				CAS #: 12674-11-2		
Compound Not Detected							

ND

CONCENTRATIONS							
RT	EXP RT	DLT RT	RT	ON-COL RESPONSE (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====
4						CAS #: 11141-16-5	
Compound Not Detected							
5						CAS #: 53469-21-9	
Compound Not Detected							
6						CAS #: 12672-29-6	
Compound Not Detected							
7						CAS #: 11097-69-1	
Compound Not Detected							
8						CAS #: 11096-82-5	
Compound Not Detected							
10						CAS #:	
Operator disabled compound identification.							
12						CAS #:	
Operator disabled compound identification.							
9						CAS #: 2051-24-3	
10.085	10.084	(0.001)		905227	0.02215	7.354	

Data File: \\vapor\n04\vdad\chem\CCS\azhp4.1\020614-2.b\047B4701.D
Date : 15-MAY-2002 00:03
Client ID: S-00-050902-JM-1852
Sample Info: E07M4106
Volume Injected (uL): 1.0
Column phase: restek pest c/p1

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1852A

GC Semivolatiles

Lot-Sample #...: A2E100105-012 Work Order #...: E07MX1AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:21 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.18 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 28 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	46	ug/kg	7.3
Aroclor 1221	ND	46	ug/kg	26
Aroclor 1232	ND	46	ug/kg	15
Aroclor 1242	ND	46	ug/kg	25
Aroclor 1248	ND	46	ug/kg	6.4
Aroclor 1254	ND	46	ug/kg	28
Aroclor 1260	ND	46	ug/kg	10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	78	(31 - 127)
Decachlorobiphenyl	84	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\048B4801.D
 Report Date: 15-May-2002 07:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\048B4801.D
 Lab Smp Id: E07MX1AA Client Smp ID: S-00-050902-JW-1852
 Inj Date : 15-MAY-2002 00:19
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MX1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.180	initial volume

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
..	.....	.....	RESPONSE (ng)	(ug/kg)	.....	.....	.....
\$ 1	TCMX				CAS #: 877-09-8		
2.042	2.040	(0.002)	1917505	0.01555	5.151		

2	AROCLOR-1221				CAS #: 11104-28-2		
Compound Not Detected							

3	AROCLOR-1016				CAS #: 12674-11-2		
Compound Not Detected							

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Peaks not detected for Quant. or Qual. signal(s).						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Peaks not detected for Quant. or Qual. signal(s).						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Peaks not detected for Quant. or Qual. signal(s).						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						

10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						

12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						

9	DCB					
10.083	10.084	(-0.001)	687945	0.01683	5.578	CAS #: 2051-24-3

Data File: \\qparan04\vdv\chem\GC5\azhp4.1\020614-2.b\048B4801.D

Date: 15-MAY-2002 00:19

Client ID: S-00-060902-JH-1852

Sample Info: E07HX106

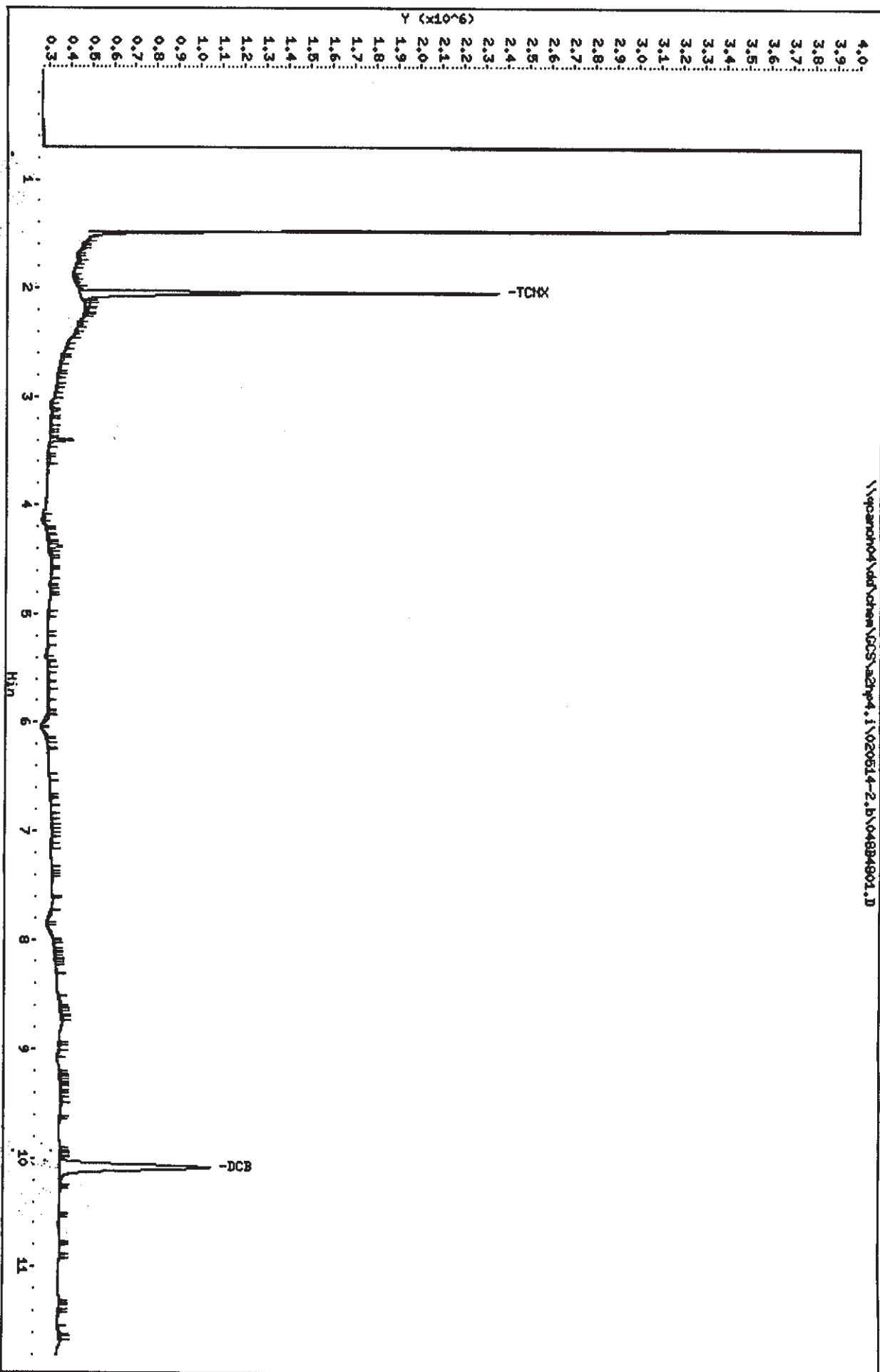
Volume Injected (uL): 1.0

Column phase: restek peat c/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1853

GC Semivolatiles

Lot-Sample #...: A2E100105-013 Work Order #...: E07M01AA Matrix.....: SO
 Date Sampled...: 05/09/02 11:27 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.05 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 34 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	50	ug/kg	8.0
Aroclor 1221	ND	50	ug/kg	29
Aroclor 1232	ND	50	ug/kg	17
Aroclor 1242	ND	50	ug/kg	27
Aroclor 1248	ND	50	ug/kg	6.9
Aroclor 1254	ND	50	ug/kg	30
Aroclor 1260	ND	50	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	100	(31 - 127)
Decachlorobiphenyl	110	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\049B4901.D
 Report Date: 15-May-2002 07:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\049B4901.D
 Lab Smp Id: E07M01AA Client Smp ID: S-00-050902-JW-1853
 Inj Date : 15-MAY-2002 00:36
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07M01AA
 Misc Info :
 Comment :
 Method : \\QCANOHO4\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOHO5

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.050	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	OR-COL	FINAL (ug/kg)	TARGET RANGE
RT	RT	RT				RATIO
ND						
# 1	TCMX				CAS #: 877-09-8	
2.041	2.040	(0.001)	2478640	0.02010	6.688	

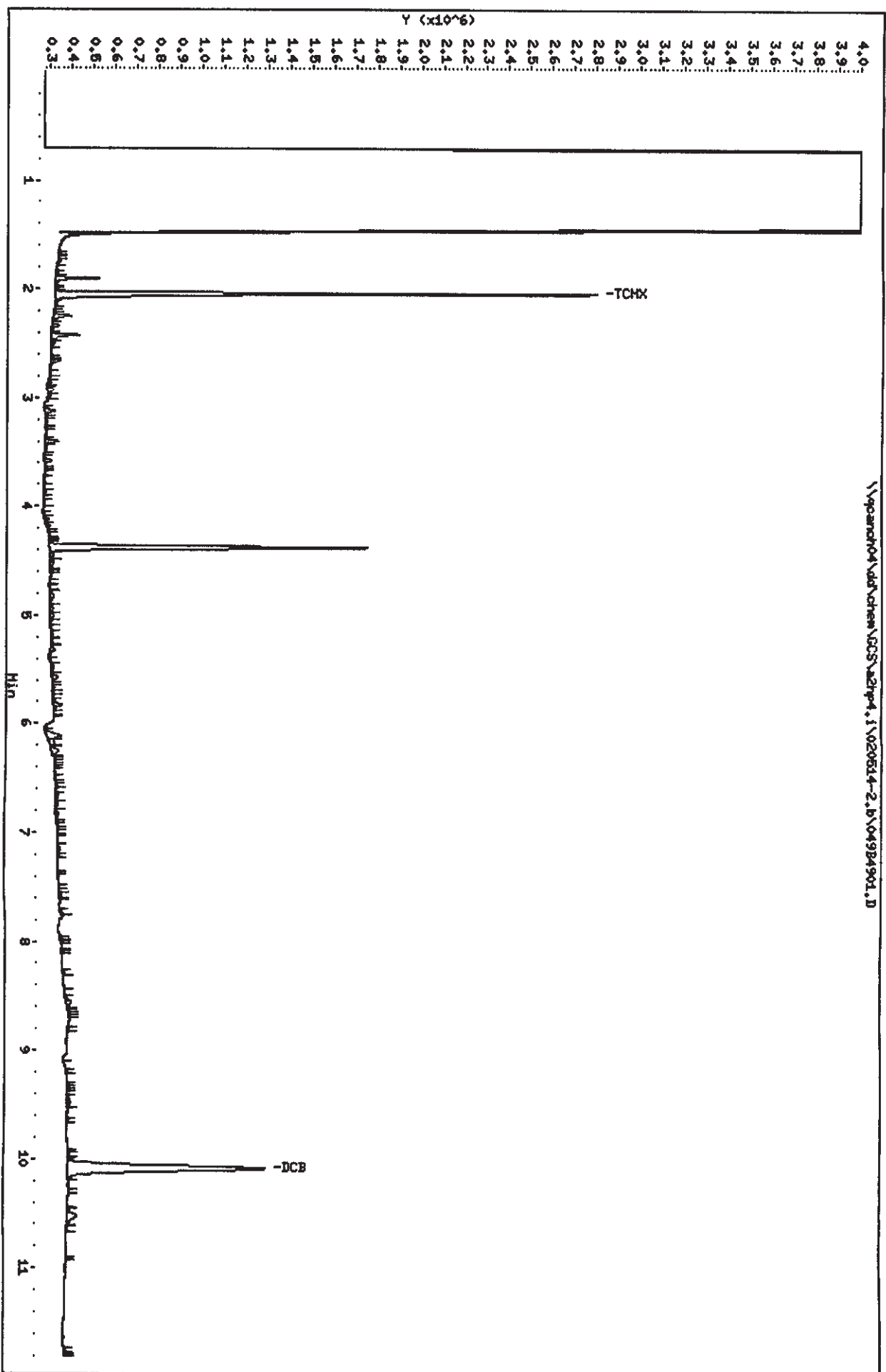
2	AROCLOR-1221				CAS #: 11104-28-2	
Compound Not Detected						

3	AROCLOR-1016				CAS #: 12674-11-2	
Compound Not Detected						

		CONCENTRATIONS					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO	
..	.....	.....	RESPONSE (ng)	(ug/kg)	.....	.....	.....
4							CAS #: 11141-16-3
Compound Not Detected							
5							CAS #: 53469-21-9
Compound Not Detected							
6							CAS #: 12672-29-6
Compound Not Detected							
7							CAS #: 11097-69-1
Compound Not Detected							
8							CAS #: 11096-82-5
Compound Not Detected							
10							CAS #:
Peaks not detected for Quant. or Qual. signal(s).							
12							CAS #:
Peaks not detected for Quant. or Qual. signal(s).							
9	DCB						CAS #: 2051-24-3
10.083	10.084	(-0.001)	897513	0.02196	7.309		

Data File: \\qparn04\vd\chem\DCS\adhp4.1\020614-2.b\049B4901.D
 Date : 15-MAY-2002 00:36
 Client ID: S-00-060902-JM-1863
 Sample Info: E07H0106
 Volume Injected (uL): 1.0
 Column phase: restek pest clip1

Instrument: adhp4.1
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: EB-00-050902-JW-001

GC Semivolatiles

Lot-Sample #... : A2E100105-014	Work Order #... : E07M21AA	Matrix..... : WQ
Date Sampled... : 05/09/02 14:00	Date Received... : 05/10/02	
Prep Date..... : 05/10/02	Analysis Date... : 05/13/02	
Prep Batch #... : 2130218		
Dilution Factor: 1	Initial Wgt/Vol: 1000 mL	Final Wgt/Vol...: 2 mL
	Method..... : SW846 8082	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	0.20	ug/L	0.054
Aroclor 1221	ND	0.20	ug/L	0.11
Aroclor 1232	ND	0.40	ug/L	0.056
Aroclor 1242	ND	0.20	ug/L	0.075
Aroclor 1248	ND	0.20	ug/L	0.061
Aroclor 1254	ND	0.20	ug/L	0.082
Aroclor 1260	ND	0.20	ug/L	0.044

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	113	(45 - 120)
Decachlorobiphenyl	43	(24 - 128)

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\028B2801.D
Report Date: 14-May-2002 09:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\028B2801.D
Lab Smp Id: E07M21AA Client Smp ID: EB-00-050902-JW-001
Inj Date : 13-MAY-2002 23:14
Operator : 1808 Inst ID: a2hp4.i
Smp Info : E07M21AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
Meth Date : 14-May-2002 08:54 molm Quant Type: ESTD
Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

CONCENTRATIONS							
		ON-COL	FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/L)	TARGET RANGE	RATIO
..
1	1.840	1.842	(-0.002)	16436388	0.11283	0.2257	

2	AROCLOR-1221			CAS #: 11104-28-2			
Compound Not Detected							

3	AROCLOR-1016			CAS #: 12674-11-2			
Compound Not Detected							

		CONCENTRATIONS				
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						

10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						

12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						

9						
9 DCB			CAS #: 2051-24-3			
8.090	8.099	(-0.009)	2922186	0.04321	0.08642	

Data File: \\pqa\pqa04\ad\chem\DCS\ad2\p4.1\0205134-1.b\0282801.D

Date: 13-MY-2002 23:14

Client ID: EP-00-050902-JM-001

Sample Info: E07H2104

Purge Volume: 1000.0

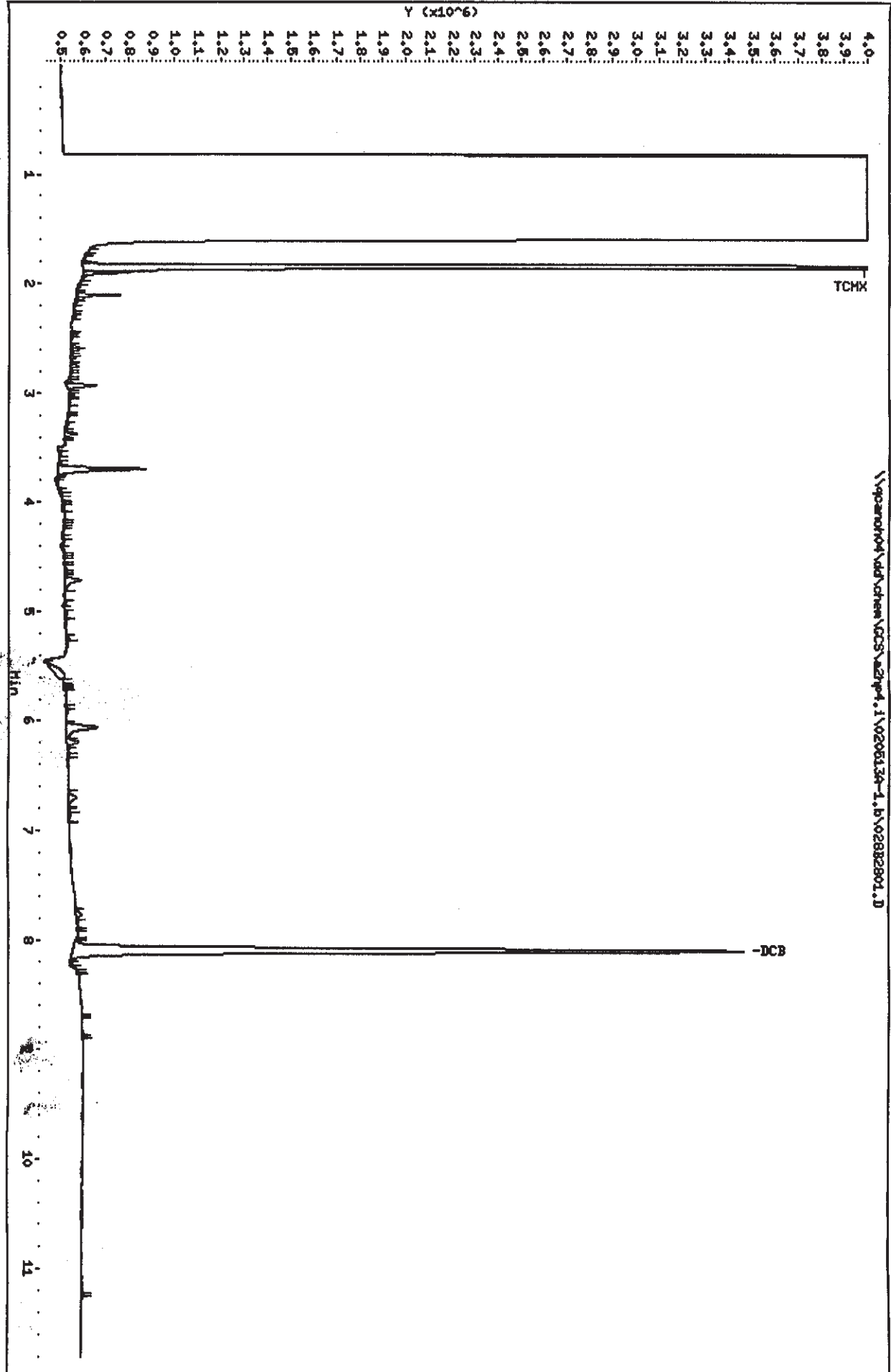
Column phase: restek pest c1PI

Instrument: ad2\p4.1

Operator: 1808

Column diameter: 0.53

\\pqa\pqa04\ad\chem\DCS\ad2\p4.1\0205134-1.b\0282801.D



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1854

GC Semivolatiles

Lot-Sample #...: A2E100105-015 Work Order #...: E07M71AA Matrix.....: SO
 Date Sampled...: 05/09/02 14:40 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.18 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 32 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	49	ug/kg	7.8
Aroclor 1221	ND	49	ug/kg	28
Aroclor 1232	ND	49	ug/kg	16
Aroclor 1242	ND	49	ug/kg	26
Aroclor 1248	ND	49	ug/kg	6.8
Aroclor 1254	ND	49	ug/kg	29
Aroclor 1260	ND	49	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	84	(31 - 127)
Decachlorobiphenyl	96	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\050B5001.D
 Report Date: 15-May-2002 08:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\050B5001.D
 Lab Smp Id: E07M71AA Client Smp ID: S-00-050902-JW-1854
 Inj Date : 15-MAY-2002 00:52
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07M71AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.180	initial volume

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
§ 1	TCMX					
2.042	2.040	(0.002)	2067473	0.01676		5.554

2	AROCLOR-1221					CAS #: 11104-28-2
Compound Not Detected						

3	AROCLOR-1016					CAS #: 12674-11-2
Compound Not Detected						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						

5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						

6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						

7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						

8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Compound Not Detected						

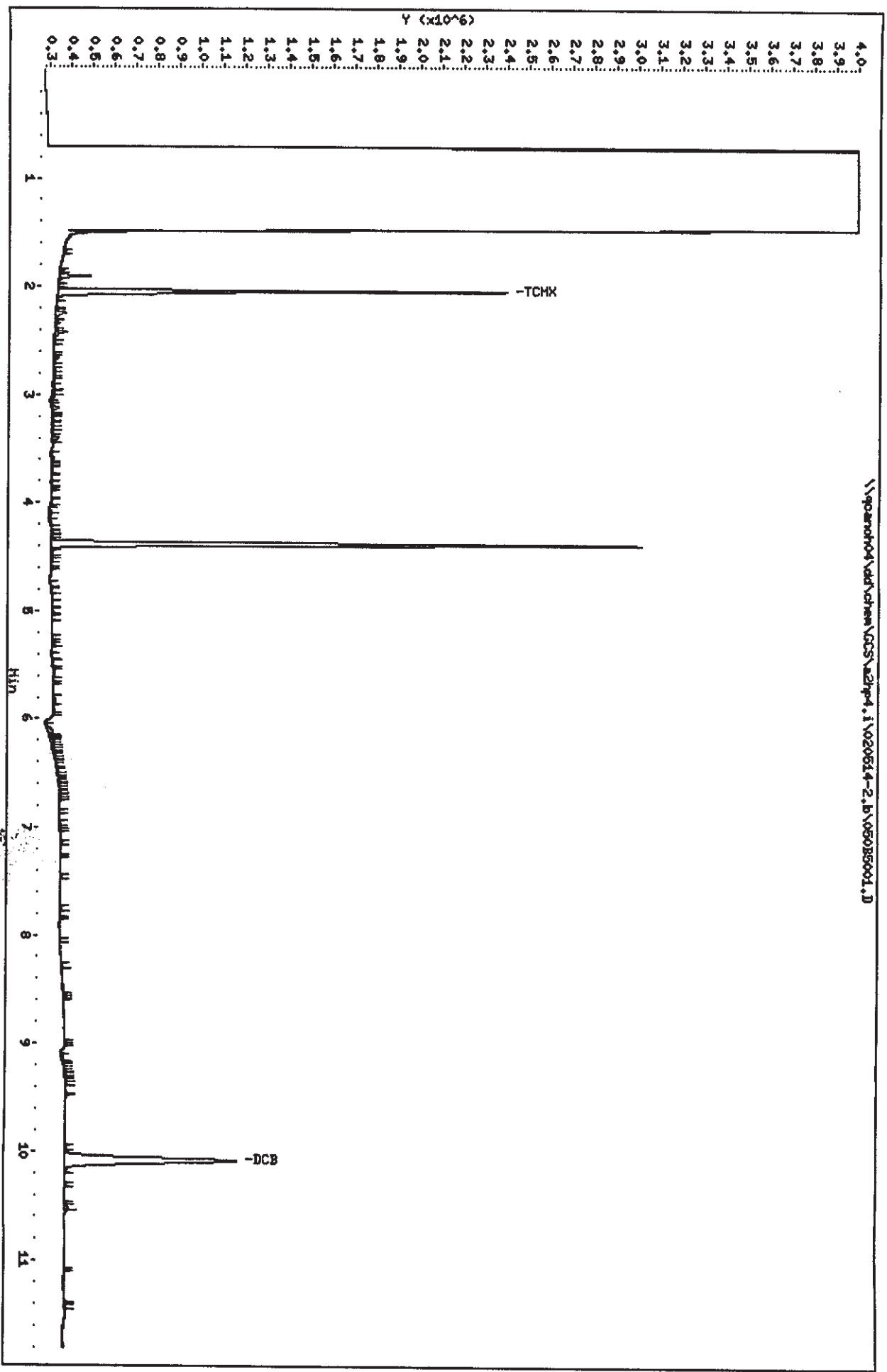
10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						

12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						

9						
9 DCB			CAS #: 2051-24-3			
10.083	10.084	(-0.001)	787129	0.01926	6.382	

Data File: \\qpcr04\vd\chrom\GCSS\adp4.1\020514-2.b\05085001.D
Date : 15-MAY-2002 00:52
Client ID: S-00-050902-M-1884
Sample Info: E07M716A
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: adp4.1
Operator: 1808
Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1855

GC Semivolatiles

Lot-Sample #...: A2E100105-016 Work Order #...: E07M81AA Matrix.....: SO
 Date Sampled...: 05/09/02 14:42 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30.02 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 30 Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	47	ug/kg	7.6
Aroclor 1221	ND	47	ug/kg	27
Aroclor 1232	ND	47	ug/kg	16
Aroclor 1242	ND	47	ug/kg	26
Aroclor 1248	ND	47	ug/kg	6.6
Aroclor 1254	ND	47	ug/kg	29
Aroclor 1260	ND	47	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	91	(31 - 127)
Decachlorobiphenyl	105	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\051B5101.D
 Report Date: 15-May-2002 08:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\051B5101.D
 Lab Smp Id: E07M81AA Client Smp ID: S-00-050902-JW-1855
 Inj Date : 15-MAY-2002 01:09
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07M81AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.020	initial volume

ND

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ug/kg)	.....	.....
\$ 1	TCMX			CAS #: 877-09-8		
2.040	2.040	(0.000)	2244437	0.01820	6.062	

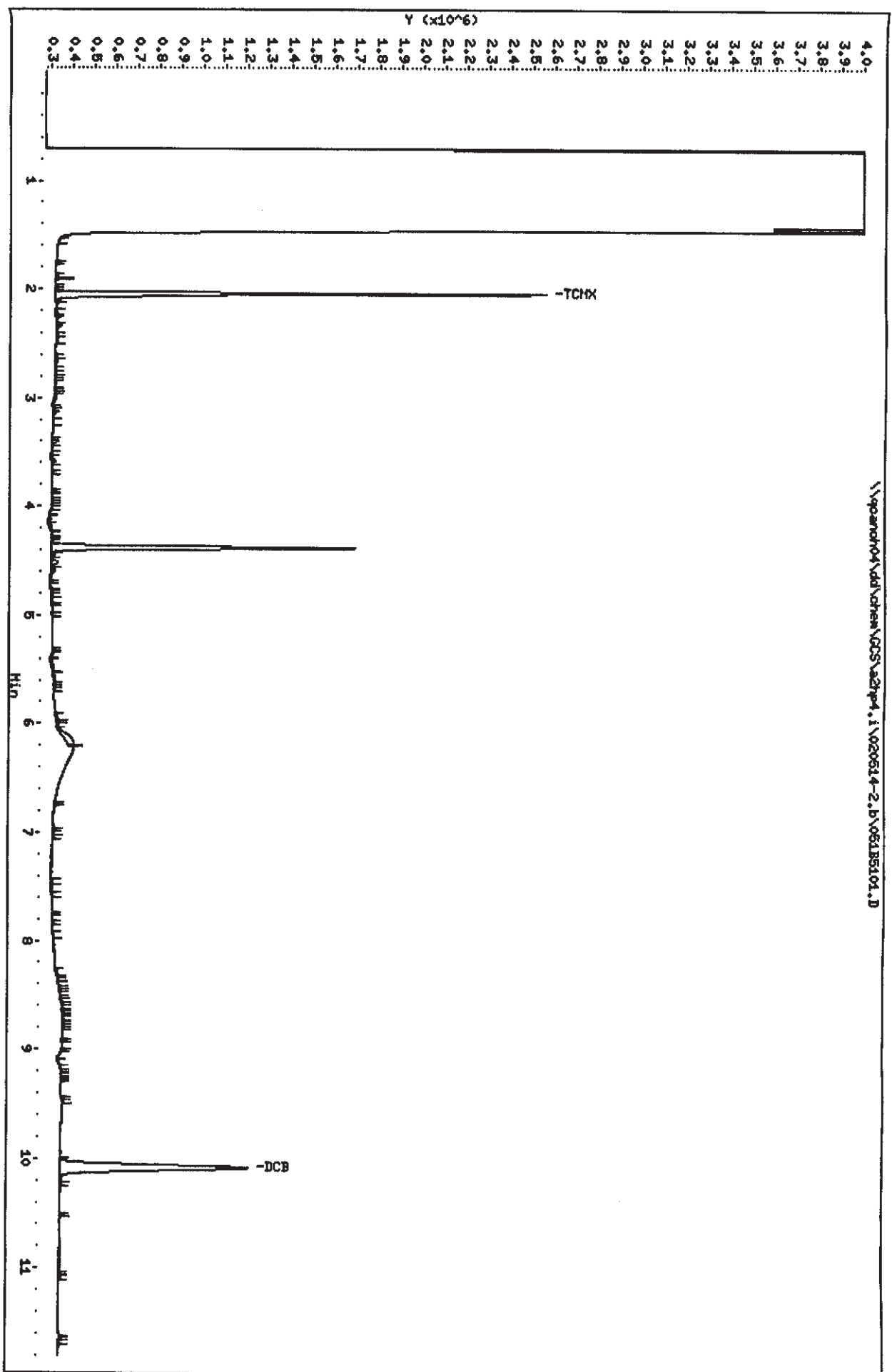
2	AROCLOR-1221			CAS #: 11104-28-2		
Compound Not Detected						

3	AROCLOR-1016			CAS #: 12674-11-2		
Compound Not Detected						

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL	TARGET RANGE
**	*****	*****	*****	*****	*****	*****
4					CAS #: 11141-16-5	
Compound Not Detected						
5					CAS #: 53469-21-9	
Compound Not Detected						
6					CAS #: 12672-29-6	
Compound Not Detected						
7					CAS #: 11097-69-1	
Compound Not Detected						
8					CAS #: 11096-82-5	
Peaks not detected for Quant. or Qual. signal(s).						
10					CAS #:	
Peaks not detected for Quant. or Qual. signal(s).						
12					CAS #:	
Peaks not detected for Quant. or Qual. signal(s).						
\$ 9	DCB				CAS #: 2051-24-3	
10.083	10.084	(-0.001)	856217	0.02095	6.980	

Data File: \\oparnd04\dd\chem\CCS\adp4.1\020614-2.p\061B5101.D
 Date : 15-MAY-2002 04:09
 Client ID: S-00-060902-M-1865
 Sample Info: E07H810A
 Volume Injected (uL): 1.0
 Column phase: restek pest c1pi

Instrument: adp4.1
 Operator: 1808
 Column diameter: 0.53



CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1856

GC Semivolatiles

Lot-Sample #...: A2E100105-017 **Work Order #...**: E07NA1AA **Matrix.....**: SO
Date Sampled...: 05/09/02 14:44 **Date Received...**: 05/10/02
Prep Date.....: 05/10/02 **Analysis Date...**: 05/15/02
Prep Batch #...: 2130168
Dilution Factor: 1 **Initial Wgt/Vol:** 30.16 g **Final Wgt/Vol...:** 10 mL
% Moisture.....: 30 **Method.....**: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Aroclor 1016	ND	47	ug/kg	7.5
Aroclor 1221	ND	47	ug/kg	27
Aroclor 1232	ND	47	ug/kg	16
Aroclor 1242	ND	47	ug/kg	26
Aroclor 1248	ND	47	ug/kg	6.5
Aroclor 1254	ND	47	ug/kg	28
Aroclor 1260	ND	47	ug/kg	11

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	91	(31 - 127)
Decachlorobiphenyl	101	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\052B5201.D
 Lab Smp Id: E07NA1AA Client Smp ID: S-00-050902-JW-1856
 Inj Date : 15-MAY-2002 01:25
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07NA1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.160	initial volume

ND

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT	DLT RT	RT	RESPONSE (	ug)	(ug/kg)			
..
# 1	TCMX								CAS #: 877-09-8
2.041	2.040	(0.001)		2240117	0.01816				6.022

2	AROCLOR-1221								CAS #: 11104-28-2
Compound Not Detected									

3	AROCLOR-1016								CAS #: 12674-11-2
Compound Not Detected									

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
4						
4 AROCLOR-1232 CAS #: 11141-16-5						
Compound Not Detected						
5						
5 AROCLOR-1242 CAS #: 53469-21-9						
Compound Not Detected						
6						
6 AROCLOR-1248 CAS #: 12672-29-6						
Compound Not Detected						
7						
7 AROCLOR-1254 CAS #: 11097-69-1						
Compound Not Detected						
8						
8 AROCLOR-1260 CAS #: 11096-82-5						
Peaks not detected for Quant. or Qual. signal(s).						
10						
10 AROCLOR-1262 CAS #:						
Peaks not detected for Quant. or Qual. signal(s).						
12						
12 AROCLOR-1268 CAS #:						
Peaks not detected for Quant. or Qual. signal(s).						
9						
9 DCB CAS #: 2051-24-3						
10.082	10.084	(-0.002)	824993	0.02019	6.694	

Data File: \\qpcan04\add\chem\GC5\ad2\p4.i\020614-2.b\062B5201.D

Date: 15-MAY-2002 01:25

Client ID: S-00-050902-J4-1856

Sample Info: E07M0104

Volume Injected (uL): 1.0

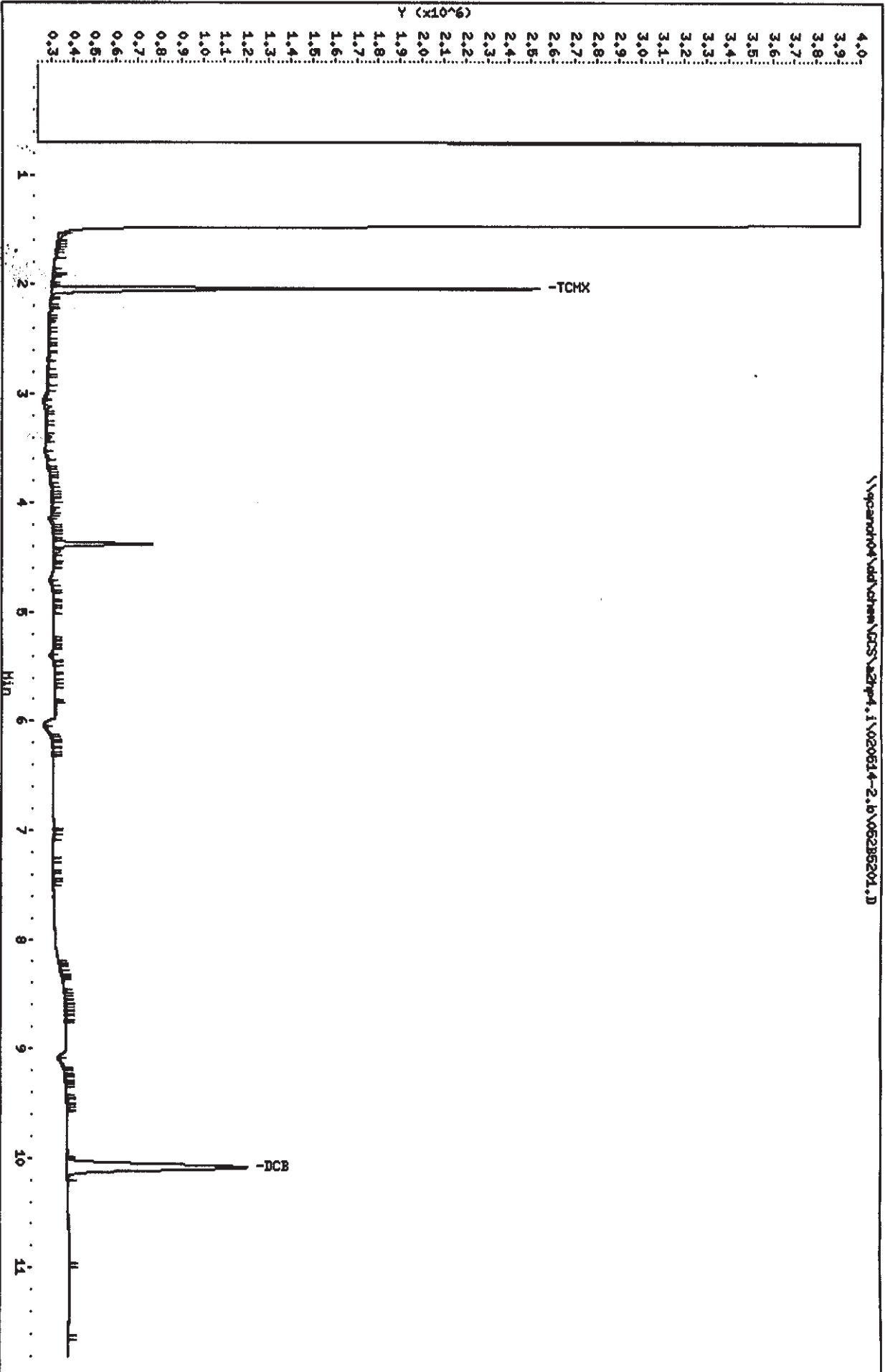
Column phase: restek pest c1p1

Instrument: ad2\p4.i

Operator: 1808

Column diameter: 0.53

\\qpcan04\add\chem\GC5\ad2\p4.i\020614-2.b\062B5201.D





STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
23-APR-2002 21:03	12-AR1660td	022B2201.D
23-APR-2002 19:40	9-AR2154	017B1701.D
23-APR-2002 18:17	3-AR1248	012B1201.D
23-APR-2002 16:55	2-AR1242	007B0701.D
23-APR-2002 15:32	1-AR1232	002B0201.D
Cal Level: 2 , Cal Amount: 0.2000		
23-APR-2002 21:19	12-AR1660td	023B2301.D
23-APR-2002 19:57	9-AR2154	018B1801.D
23-APR-2002 18:34	3-AR1248	013B1301.D
23-APR-2002 17:11	2-AR1242	008B0801.D
23-APR-2002 15:49	1-AR1232	003B0301.D
Cal Level: 3 , Cal Amount: 0.5000		
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D
Cal Level: 4 , Cal Amount: 1.000		
23-APR-2002 21:52	12-AR1660td	025B2501.D
23-APR-2002 20:30	9-AR2154	020B2001.D
23-APR-2002 19:07	3-AR1248	015B1501.D
23-APR-2002 17:44	2-AR1242	010B1001.D
23-APR-2002 16:22	1-AR1232	005B0501.D
Cal Level: 5 , Cal Amount: 2.000		
23-APR-2002 22:09	12-AR1660td	026B2601.D
23-APR-2002 20:46	9-AR2154	021B2101.D
23-APR-2002 19:24	3-AR1248	016B1601.D
23-APR-2002 18:01	2-AR1242	011B1101.D
23-APR-2002 16:38	1-AR1232	006B0601.D

Continuing Calibration

23-APR-2002 22:26	12-AR1660td	027B2701.D
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D

Report Date : 24-Apr-2002 12:04

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Cal Date : 24-Apr-2002 05:56 molm
 Curve Type : Average

Calibration File Names:

Level 1: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\022B2201.D
 Level 2: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\023B2301.D
 Level 3: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\024B2401.D
 Level 4: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\025B2501.D
 Level 5: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\026B2601.D

Compound	0.10000	0.20000	0.50000	1.000	2.000		
	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD
2 AROCLOR-1221(1)	1461790	1492450	1350368	1305210	1215950	1365154	8.321
(2)	961290	988925	877788	844391	773328	889144	9.854
(3)	3546960	3590530	3246578	3167995	2886150	3287643	8.818
3 AROCLOR-1016(1)	2154700	2398780	2364676	2237206	2136385	2258349	5.290
(2)	3334430	3653775	3636976	3434856	3288463	3469700	4.870
(3)	6496600	6691905	6753022	6657238	6725588	6664871	1.511
(4)	3304560	3611020	3703994	3573676	3559869	3550624	4.185
(5)	2373770	2633545	2692408	2633566	2661146	2598887	4.931
4 AROCLOR-1232(1)	3062840	2698300	2505062	2680462	2294395	2648212	10.700
(2)	1721070	1510605	1367944	1477102	1299789	1475302	10.929
(3)	2880190	2697505	2637276	2789423	2619014	2724682	4.017
(4)	1655930	1454280	1357172	1520300	1376842	1472905	8.226
(5)	1197760	1075940	1016484	1080764	979364	1070062	7.756
5 AROCLOR-1242(1)	2133700	1975730	1963956	1708168	1745790	1905469	9.273
(2)	3086480	2853395	2814362	2455816	2500892	2742189	9.585
(3)	5411440	5137365	5125184	4856739	5071028	5120351	3.869
(4)	3041210	2788980	2734000	2419331	2643520	2725408	8.291
(5)	2397340	2241820	2232950	2015424	2126631	2202833	6.468
6 AROCLOR-1248(1)	1534410	1478970	1479500	1319411	1279045	1418267	7.889
(2)	3991480	3796080	3843026	3609665	3522142	3752479	4.998
(3)	3939850	3704605	3736626	3668060	3637980	3737424	3.187
(4)	3049260	2884755	2893634	2798285	2757594	2876706	3.904
(5)	2045610	1932340	1894280	1818805	1797792	1897765	5.223
7 AROCLOR-1254(1)	2565120	2587010	2273044	2284478	2224530	2386836	7.306
(2)	4728110	4640880	4344134	4325348	4266721	4461039	4.669
(3)	6234190	6262130	6058504	6018304	5965094	6107644	2.175
(4)	4397110	4374130	4070382	4137128	4136524	4223055	3.577
(5)	4086270	4310700	4172936	4121201	4126757	4163573	2.110

Report Date : 24-Apr-2002 12:04

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Cal Date : 24-Apr-2002 05:56 molm
 Curve Type : Average

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	RRF	% RSD
8 AROCLOR-1260(1)	4351710	4293350	4198670	4132899	4124990	4220324	2.363
(2)	6654990	6474820	6380662	6379585	6431652	6464342	1.759
(3)	5501890	5429055	5175030	5359804	5224059	5337968	2.568
(4)	7487340	7391675	7337012	7356689	7638855	7442314	1.668
(5)	3988070	3873950	3792676	3830821	3845257	3866155	1.919
10 AROCLOR-1262(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
12 AROCLOR-1268(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
\$ 1 TCMX	121320200	144558700	155477000	152583940	154400770	145668122	9.795
\$ 9 DCB	74350200	68821700	65807640	65099280	64064550	67628674	6.142

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\002B0201.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 15:32
 Operator : 1808
 Smp Info : 1232,,1,1
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.069	2.069	(0.000)	306284 0.10000	0.1162	75.00- 125.00	100.00
2.319	2.319	(0.000)	172107 0.10000	0.1156	40.96- 68.26	56.19
2.658	2.658	(0.000)	288019 0.10000	0.1079	78.96- 131.60	94.04
2.756	2.755	(0.001)	165593 0.10000	0.1117	40.63- 67.72	54.07
3.065	3.066	(-0.001)	119776 0.10000	0.1112	30.43- 50.72	39.11
Average of Peak Amounts =				0.113		

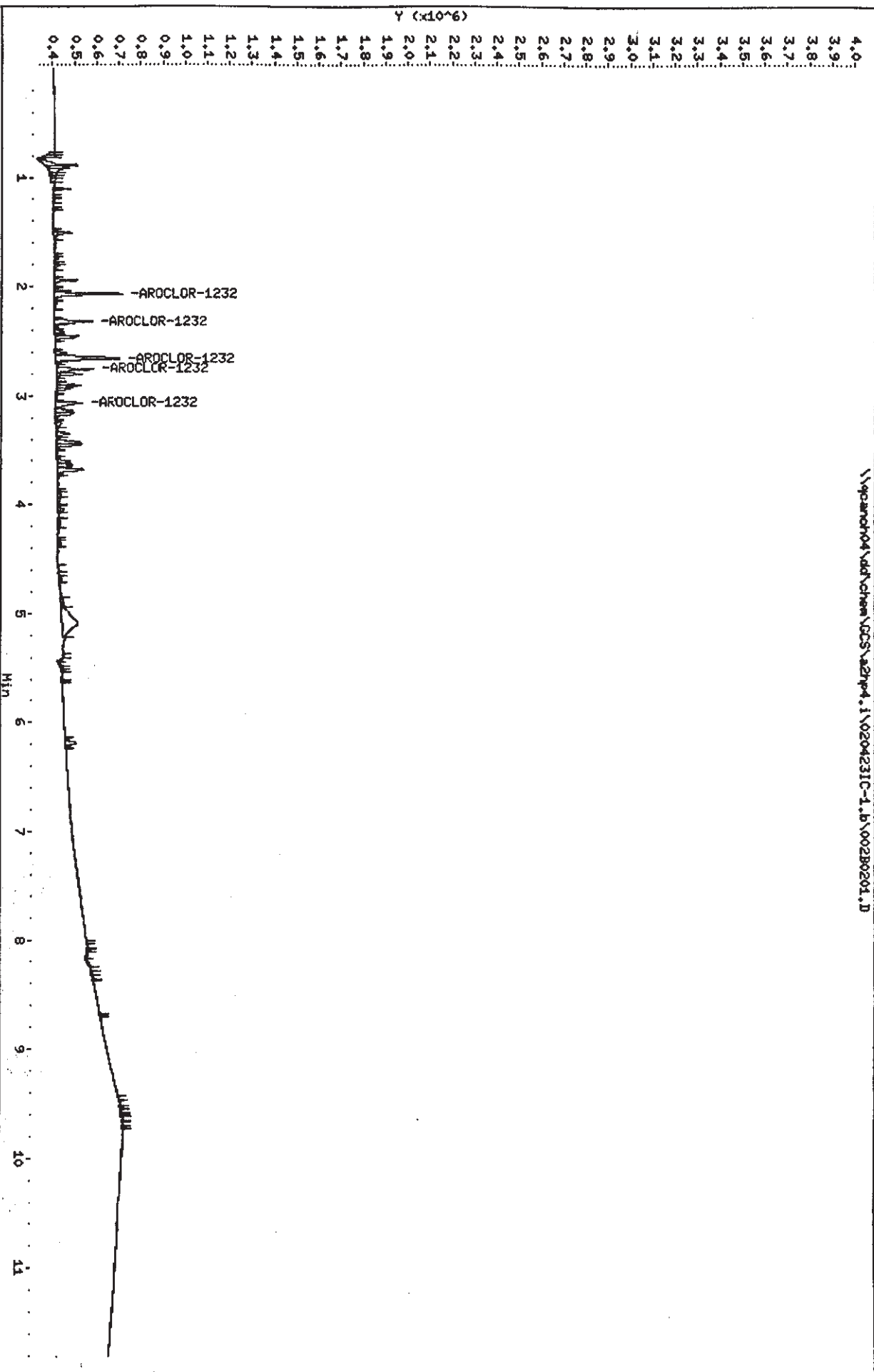
Data File: \\qancho04\nd\chem\GCS\azhp4.i\020423IC-1.b\002B0201.D
Date: 23-APR-2002 15:32

Client ID:
Sample Info: 1232,1,1

Column Phase: restek pest o/p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53

\\qancho04\nd\chem\GCS\azhp4.i\020423IC-1.b\002B0201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\003B0301.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\003B0301.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 15:49
 Operator : 1808
 Smp Info : 1232,,1,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.069	2.069	(0.000)	539660	0.20000	0.2073 75.00- 125.00	100.00
2.319	2.319	(0.000)	302121	0.20000	0.2057 40.96- 68.26	55.98
2.659	2.658	(0.001)	539501	0.20000	0.2024 78.96- 131.60	99.97
2.757	2.755	(0.002)	290856	0.20000	0.1997 40.63- 67.72	53.90
3.066	3.066	(0.000)	215188	0.20000	0.2024 30.43- 50.72	39.87
Average of Peak Amounts =			0.204			

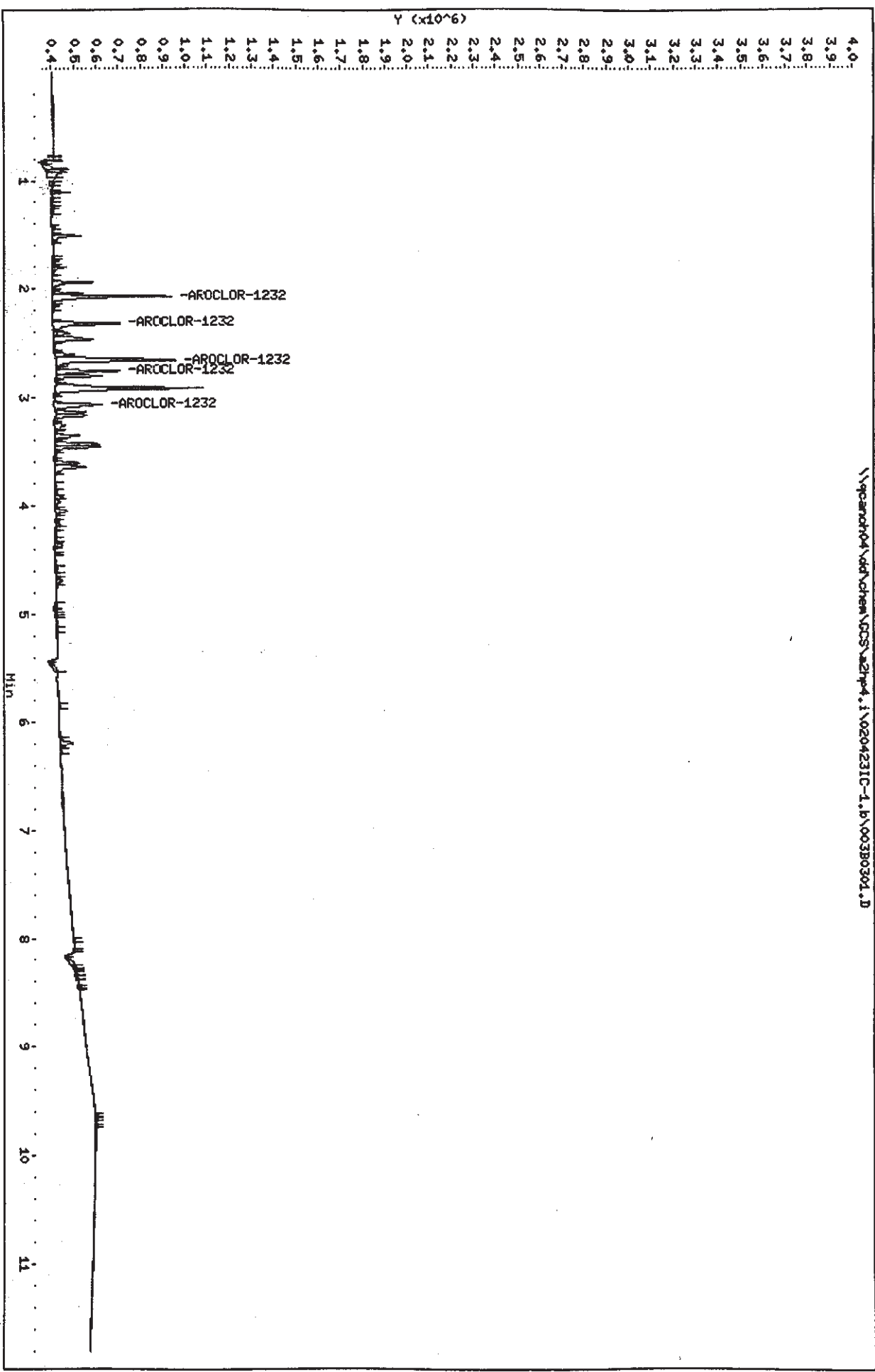
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Date: 23-APR-2002 15:49

Client ID:
Sample Info: 1232,1,2

Column phase: restek pest c1p1

Instrument: azhp4.i
Operator: 1908
Column diameter: 0.53

\\pcan04\dd\chem\GCS\azhp4.1\020423IC-1.b\003B0301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\004B0401.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\004B0401.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 16:05
 Operator : 1808
 Smp Info : 1232,,1,3
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

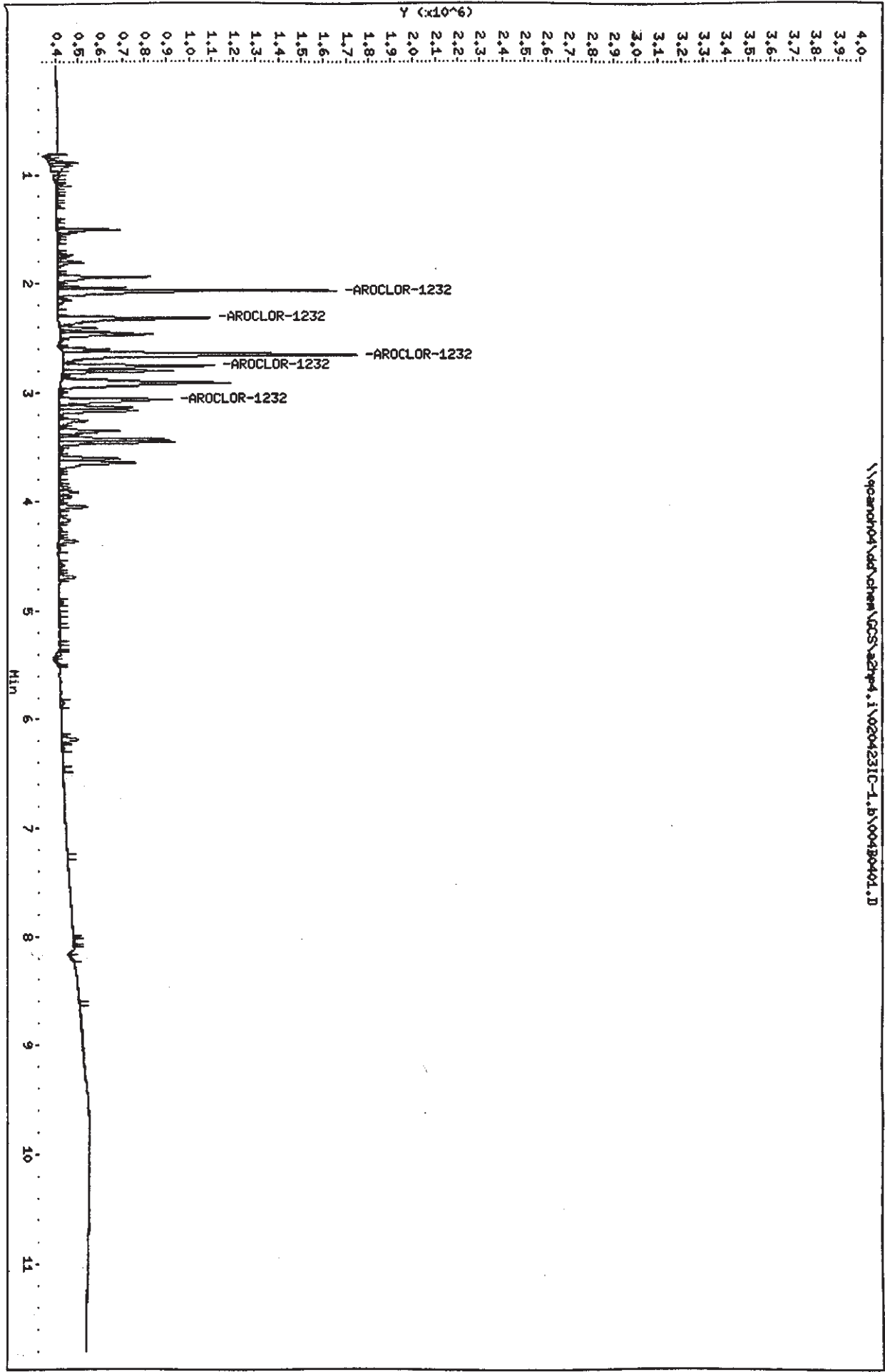
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.069	2.069	(0.000)	1252531 0.50000	0.4782	75.00- 125.00	100.00
2.318	2.319	(-0.001)	683972 0.50000	0.4674	40.96- 68.26	54.61
2.658	2.658	(0.000)	1318638 0.50000	0.4897	78.96- 131.60	105.28
2.756	2.755	(0.001)	678586 0.50000	0.4655	40.63- 67.72	54.18
3.066	3.066	(0.000)	508242 0.50000	0.4789	30.43- 50.72	40.58
Average of Peak Amounts =				0.476		

Data File: \\pcan04\add\chem\GC5\azhp4.i\020423IC-1.b\004B0401.D
Date: 23-APR-2002 16:05
Client ID:
Sample Info: 1232,1,3

Column phase: restek_pest_clp1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53

\\pcan04\add\chem\GC5\azhp4.i\020423IC-1.b\004B0401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\005B0501.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\005B0501.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 16:22
 Operator : 1808
 Smp Info : 1232,,1,4
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.068	2.069	(-0.001)	2680462	1.00000	1.002 75.00- 125.00	100.00
2.318	2.319	(-0.001)	1477102	1.00000	0.9916 40.96- 68.26	55.11
2.658	2.658	(0.000)	2789423	1.00000	1.020 78.96- 131.60	104.07
2.755	2.755	(0.000)	1520300	1.00000	1.024 40.63- 67.72	56.72
3.065	3.066	(-0.001)	1080764	1.00000	1.003 30.43- 50.72	40.32
Average of Peak Amounts =				1.01		

Data File: \\qpcard04\nd\chem\GC5\azhp4.i\0204231C-1.b\005B0501.D
Date: 23-PR-2002 16:22
Client ID:

Sample Info: 1232,1,4

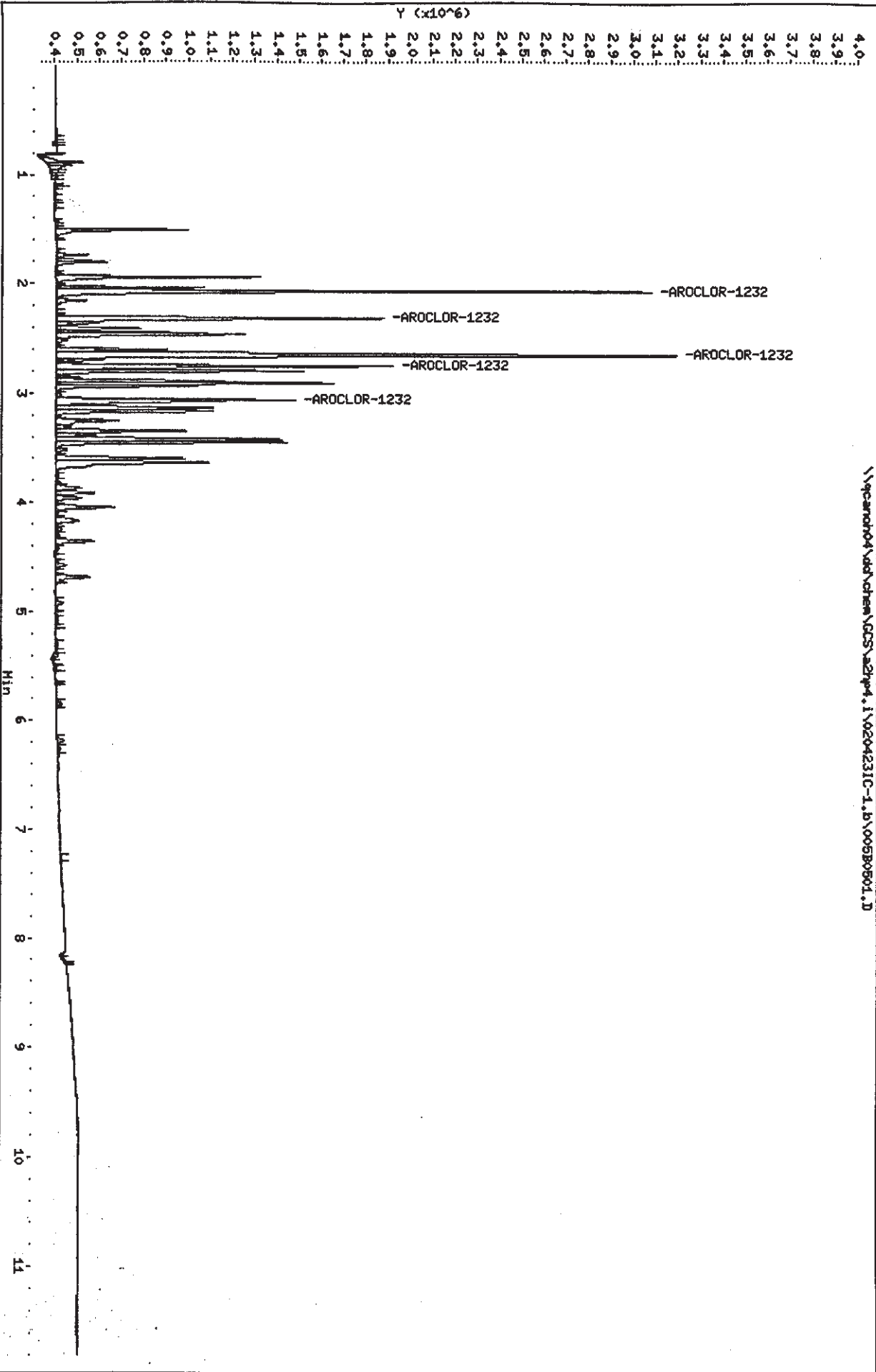
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\qpcard04\nd\chem\GC5\azhp4.i\0204231C-1.b\005B0501.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\006B0601.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\006B0601.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 16:38
 Operator : 1808
 Smp Info : 1232,,1,5
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4						
					CAS #: 11141-16-5	
2.069	2.069	(0.000)	4588789	2.00000	1.733 75.00- 125.00	100.00
2.319	2.319	(0.000)	2599577	2.00000	1.762 40.96- 68.26	56.65
2.658	2.658	(0.000)	5238027	2.00000	1.922 78.96- 131.60	114.15
2.755	2.755	(0.000)	2753683	2.00000	1.870 40.63- 67.72	60.01
3.066	3.066	(0.000)	1958727	2.00000	1.830 30.43- 50.72	42.69
Average of Peak Amounts =				1.82		

Data File: \\pcanoh04\nd\chem\GCS\azhp4.i\020423IC-1.b\006B0601.D

Instrument: azhp4.i

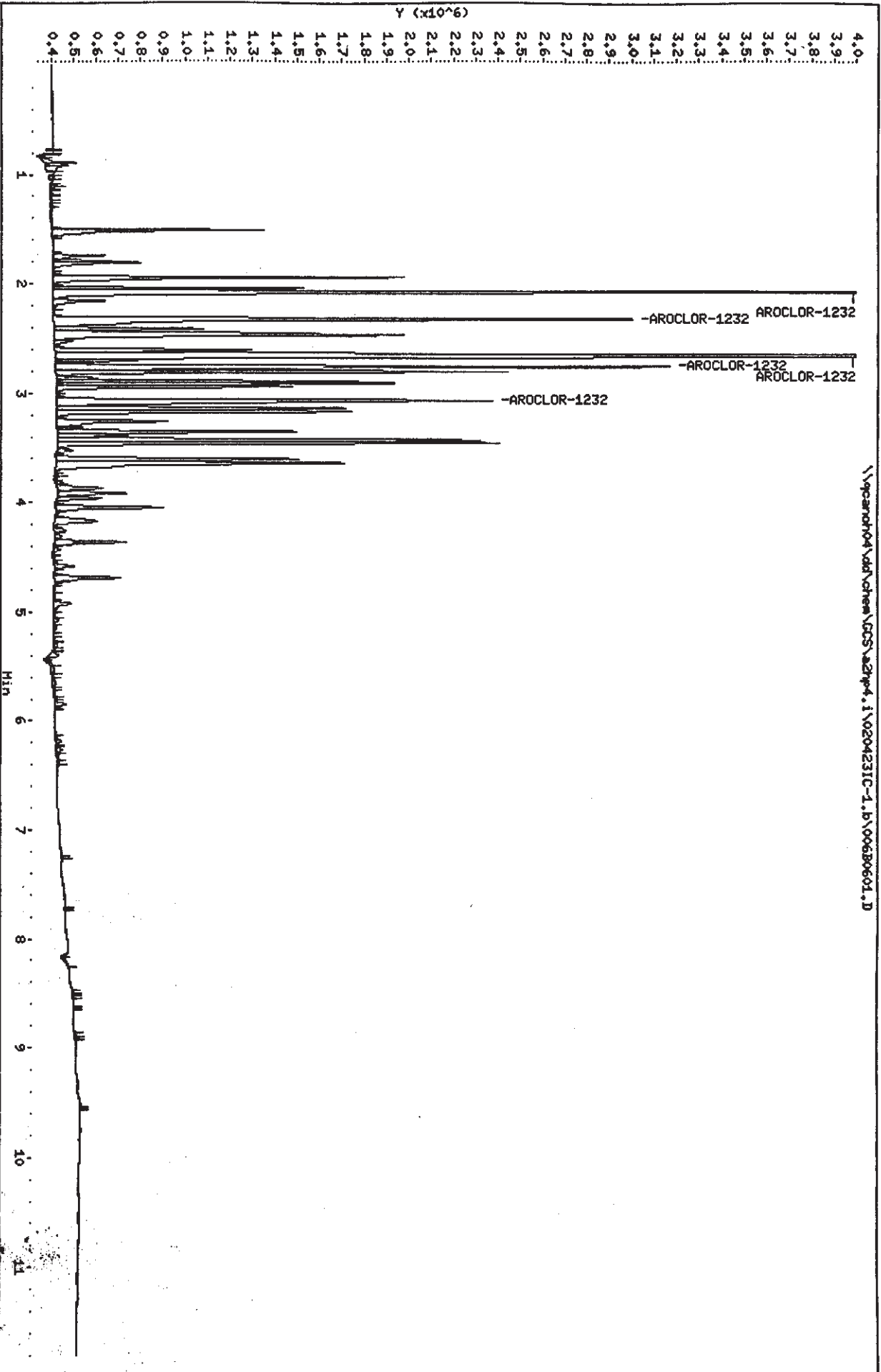
Date: 23-APR-2002 16:38

Client ID:

Sample Info: 1232,1,5

Column phase: restek pest c1p1

Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\007B0701.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\007B0701.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 16:55
 Operator : 1808
 Smp Info : 1242,,1,1
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
5 AROCLOR-1242			CAS #: 53469-21-9				
2.069	2.068	(0.001)	213370	0.10000	0.1206	75.00- 125.00	100.00
2.318	2.318	(0.000)	308648	0.10000	0.1207	107.48- 179.13	144.65
2.658	2.657	(0.001)	541144	0.10000	0.1139	195.72- 326.20	253.62
2.755	2.755	(0.000)	304121	0.10000	0.1190	104.41- 174.01	142.53
3.065	3.065	(0.000)	239734	0.10000	0.1154	85.27- 142.12	112.36
Average of Peak Amounts =				0.118			

Data File: \\pccan04\ddt\chem\GC5\27p4.1\020423IC-1.b\007B0701.D

Date : 23-APR-2002 16:55

Client ID:

Sample Info: 1242,1,1

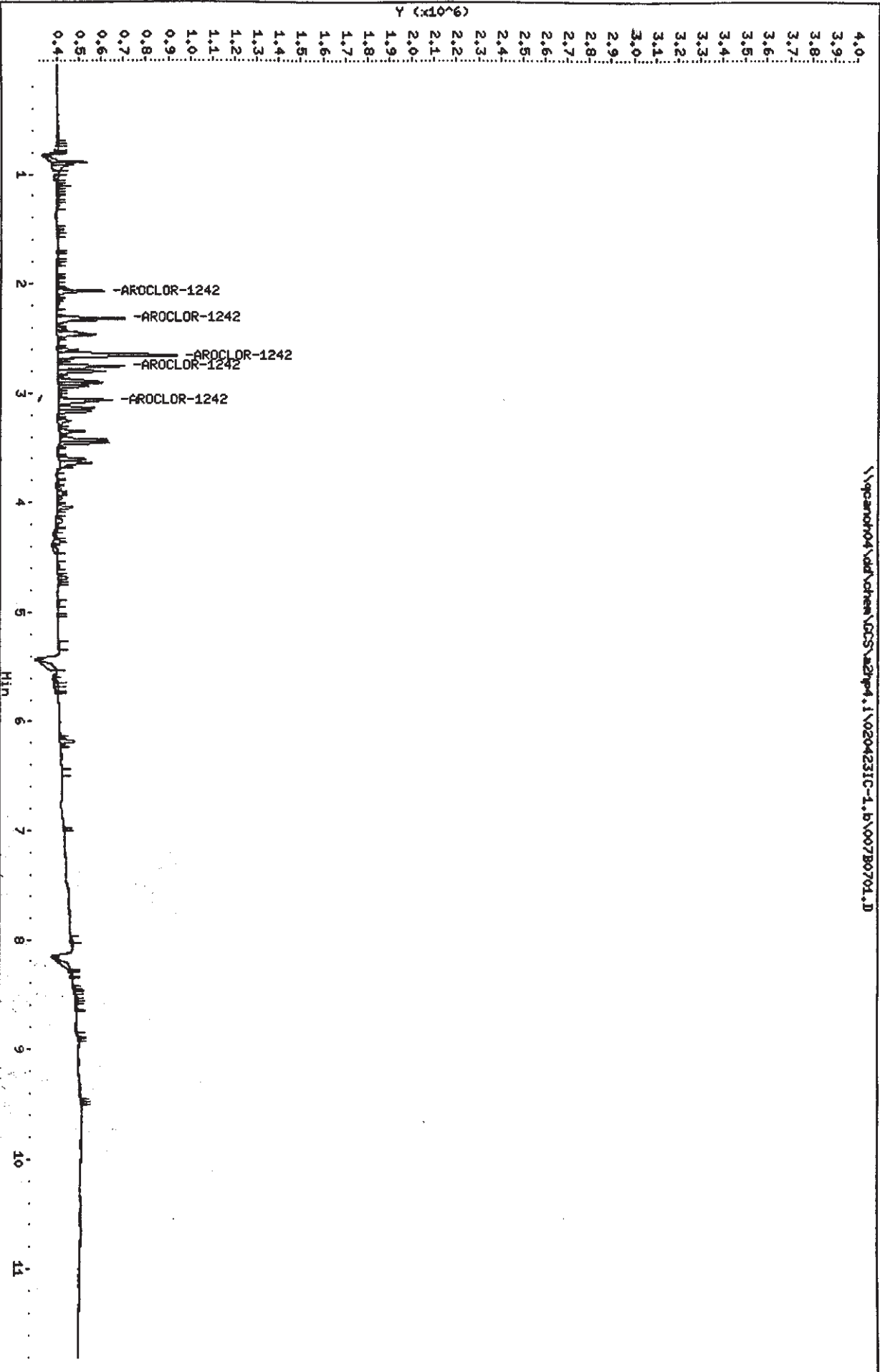
Column phase: restek pest c1p1

Instrument: a27p4.i

Operator: 1808

Column diameter: 0.53

\\pccan04\ddt\chem\GC5\27p4.1\020423IC-1.b\007B0701.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\008B0801.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\008B0801.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:11
 Operator : 1808
 Smp Info : 1242,,1,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.069	2.068	(0.001)	395146 0.20000	0.2241	75.00- 125.00	100.00
2.319	2.318	(0.001)	570679 0.20000	0.2246	107.48- 179.13	144.42
2.658	2.657	(0.001)	1027473 0.20000	0.2159	195.72- 326.20	260.02
2.756	2.755	(0.001)	557796 0.20000	0.2191	104.41- 174.01	141.16
3.066	3.065	(0.001)	448364 0.20000	0.2174	85.27- 142.12	113.47
Average of Peak Amounts =				0.22		

Data File: \\sparan04\dd\chem\DCS\azhp4.i\020423IC-1.b\008B0801.D

Date: 23-APR-2002 17:11

Client ID:

Sample Info: 1242,1,2

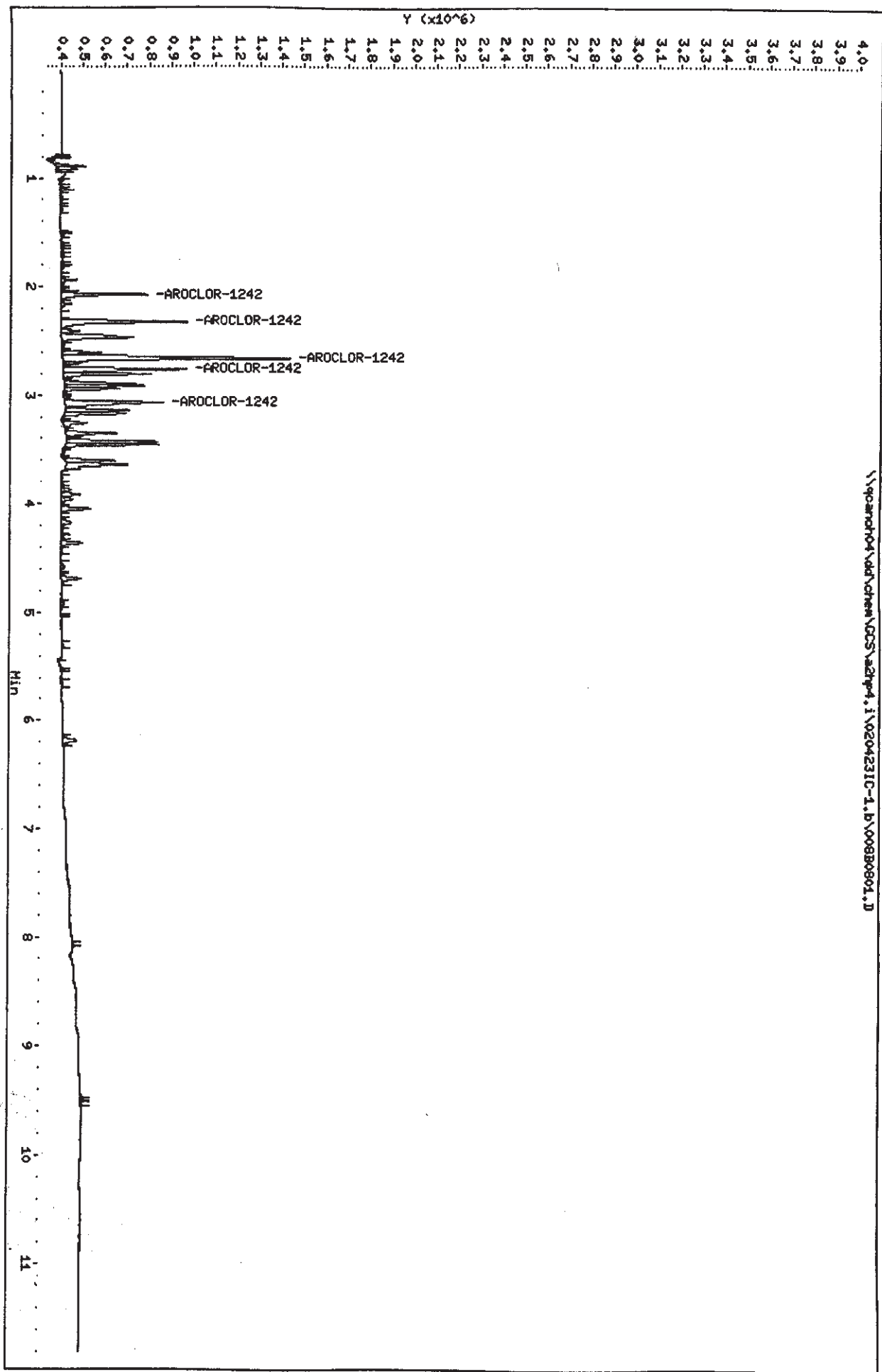
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\sparan04\dd\chem\DCS\azhp4.i\020423IC-1.b\008B0801.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\009B0901.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\009B0901.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:28
 Operator : 1808
 Smp Info : 1242,,1,3
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
..
5 AROCLOR-1242			CAS #: 53469-21-9			
2.068	2.068	(0.000)	981978 0.50000	0.5336	75.00- 125.00	100.00
2.318	2.318	(0.000)	1407181 0.50000	0.5288	107.48- 179.13	143.30
2.658	2.657	(0.001)	2562592 0.50000	0.5162	195.72- 326.20	260.96
2.755	2.755	(0.000)	1367000 0.50000	0.5149	104.41- 174.01	139.21
3.065	3.065	(0.000)	1116475 0.50000	0.5190	85.27- 142.12	113.70
Average of Peak Amounts =				0.523		

Data File: \\pcan04\vd\chem\GCS\azhp4.i\0204231C-1.b\009B0901.D
Date : 23-APR-2002 17:28

Client ID:
Sample Info: 1242,1,3

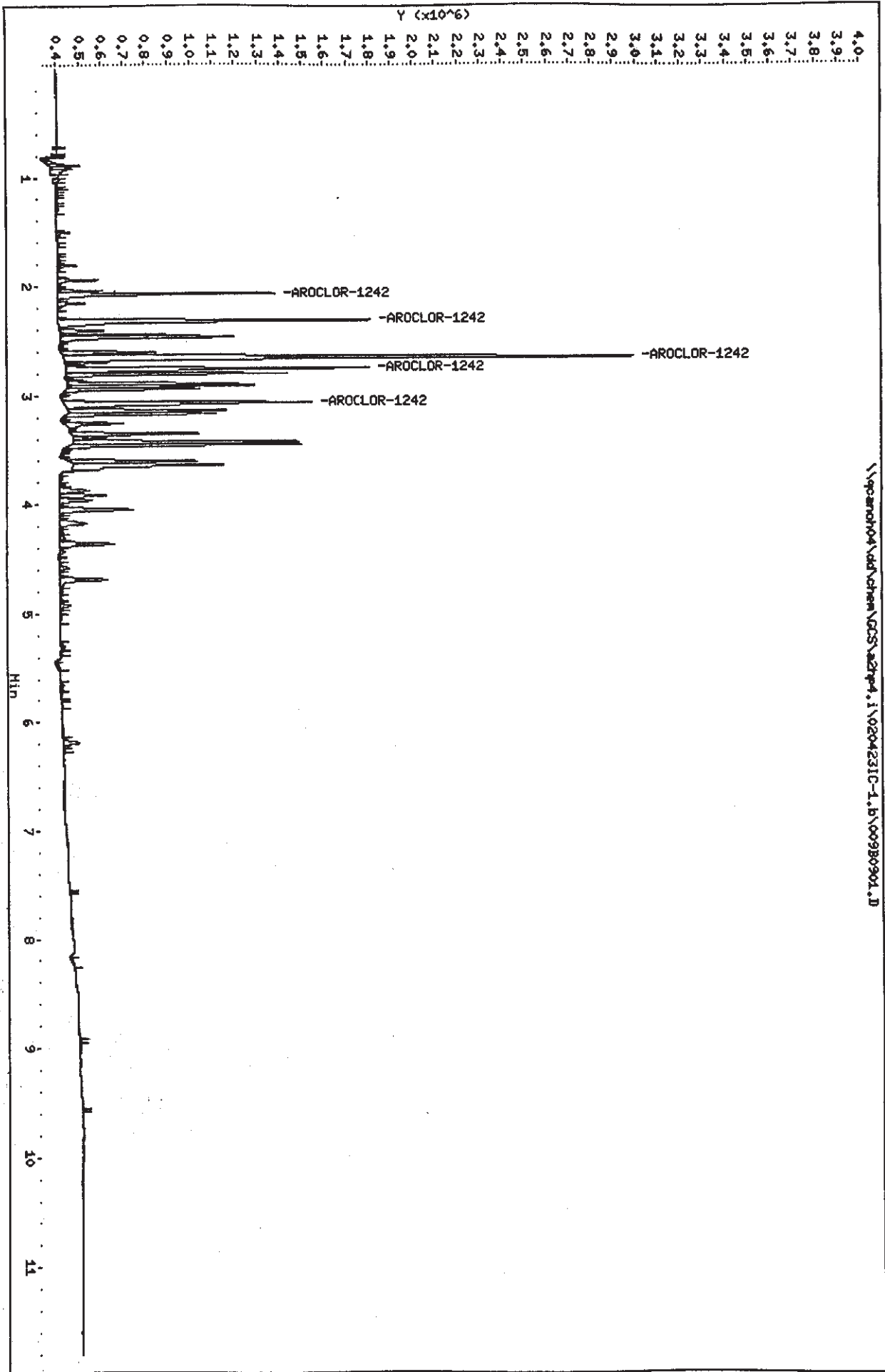
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcan04\vd\chem\GCS\azhp4.i\0204231C-1.b\009B0901.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\010B1001.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\010B1001.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:44
 Operator : 1808
 Smp Info : 1242,,1,4
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
5 AROCLOR-1242			CAS #: 53469-21-9				
2.069	2.068	(0.001)	1708168	1.00000	0.9107 75.00- 125.00	100.00	
2.319	2.318	(0.001)	2455816	1.00000	0.9044 107.48- 179.13	143.77	
2.658	2.657	(0.001)	4856739	1.00000	0.9629 195.72- 326.20	284.32	
2.756	2.755	(0.001)	2419331	1.00000	0.8982 104.41- 174.01	141.63	
3.066	3.065	(0.001)	2015424	1.00000	0.9235 85.27- 142.12	117.99	
Average of Peak Amounts =				0.92			

Data File: \\pcanoh04\vdh\chem\GCSS\adhp4.i\020423IC-1.b\01081001.D
Date : 23-APR-2002 17:44

Client ID:

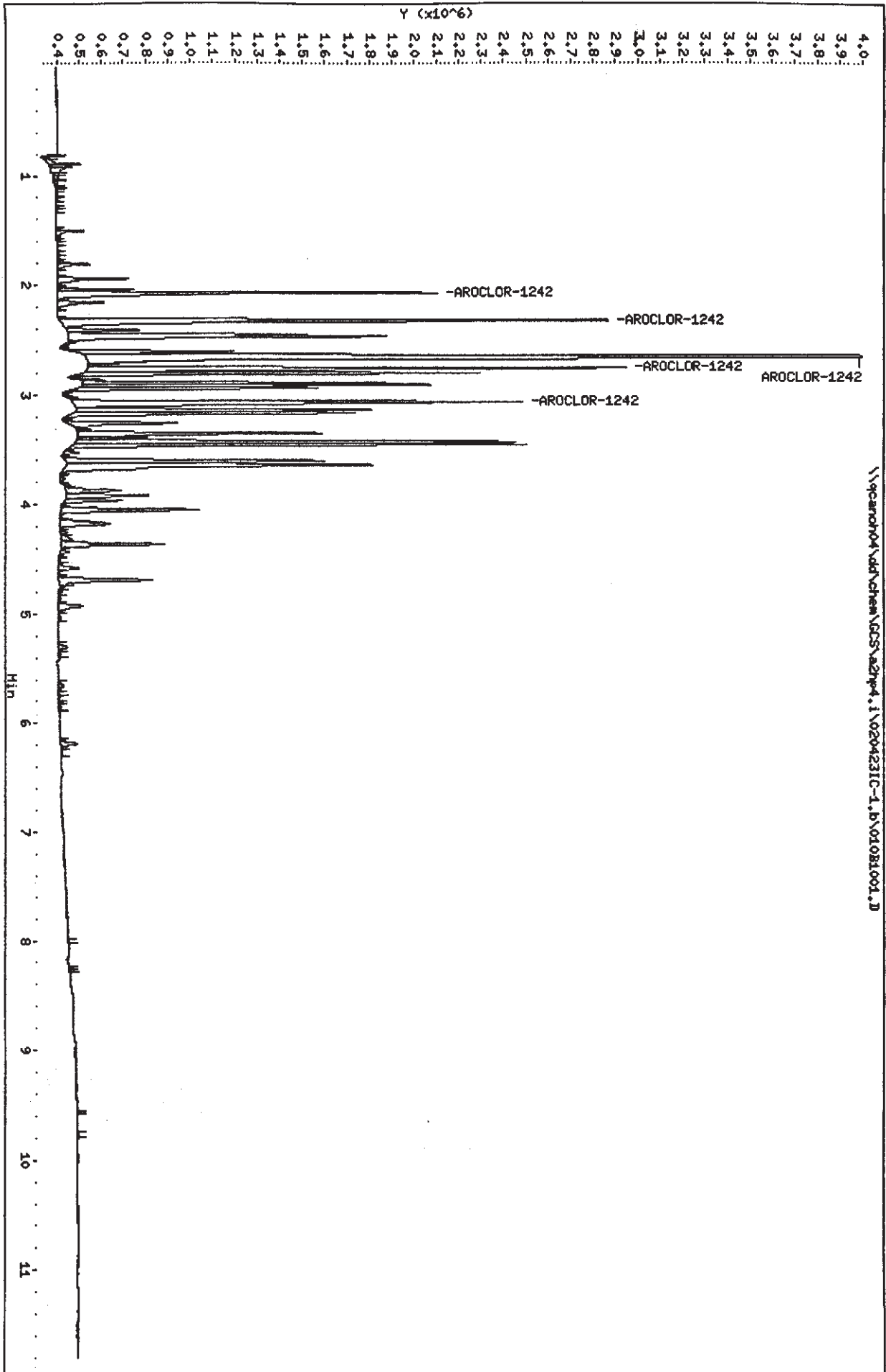
Sample Info: 1242,1,4

Column phase: restek pest c1p1

Instrument: adhp4.i

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\011B1101.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\011B1101.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 18:01
 Operator : 1808
 Smp Info : 1242,,1,5
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
5 AROCLOR-1242			CAS #: 53469-21-9			
2.068	2.068	(0.000)	3491579 2.00000	1.832	75.00- 125.00	100.00
2.318	2.318	(0.000)	5001783 2.00000	1.824	107.48- 179.13	143.25
2.657	2.657	(0.000)	10142055 2.00000	1.981	195.72- 326.20	290.47
2.755	2.755	(0.000)	5287040 2.00000	1.940	104.41- 174.01	151.42
3.065	3.065	(0.000)	4253262 2.00000	1.931	85.27- 142.12	121.81
Average of Peak Amounts =				1.9		

Data File: \\pcanoh4\dat\chem\GCS\azhp4.i\020423IC-1.b\011R1101.D
Date : 23-Apr-2002 18:01

Client ID:

Sample Info: 1242,1,5

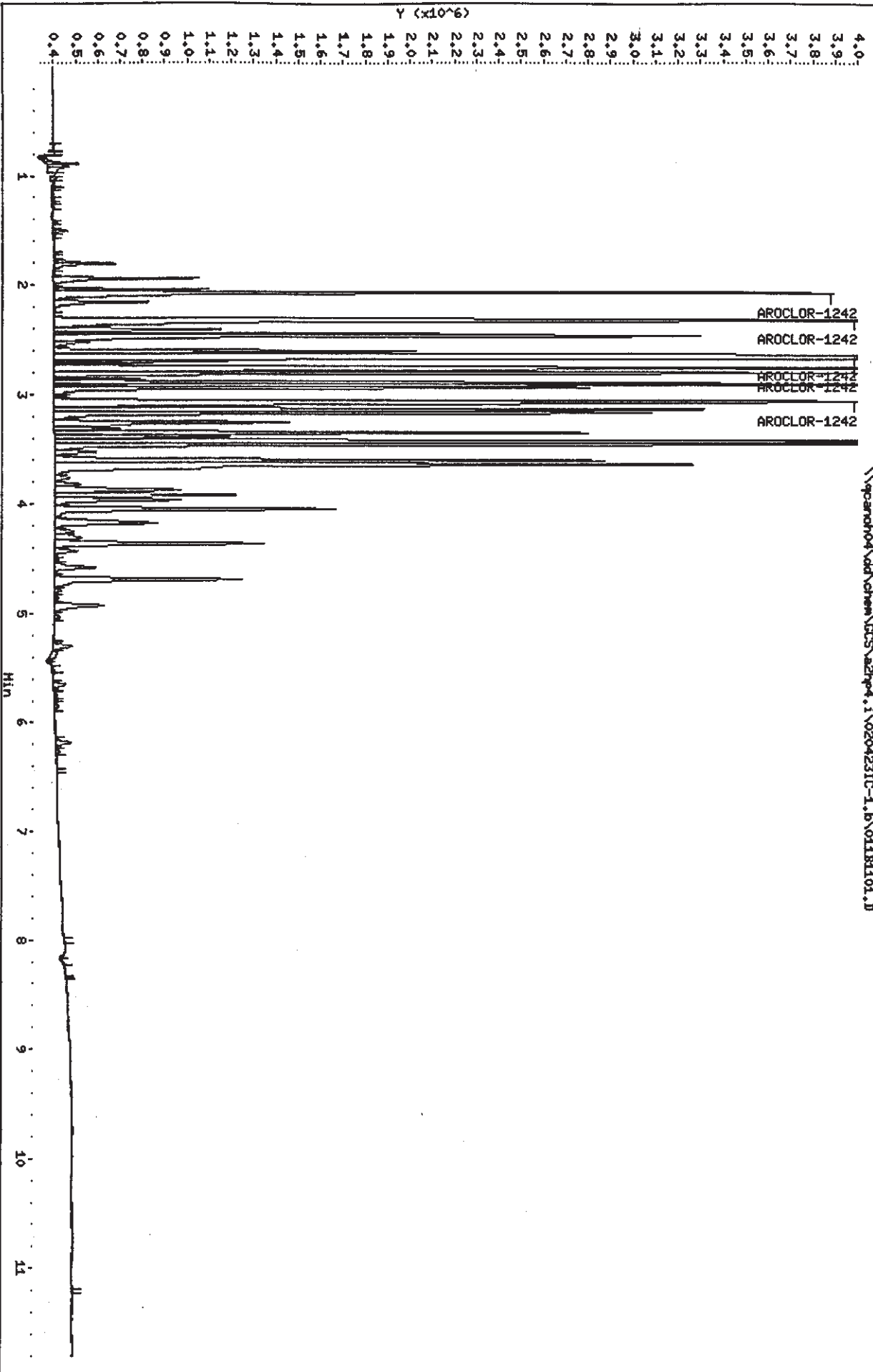
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcanoh4\dat\chem\GCS\azhp4.i\020423IC-1.b\011R1101.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\012B1201.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\012B1201.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 18:17
 Operator : 1808
 Smp Info : 1248,,1,1
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.318	2.316	(0.002)	153441	0.1103	75.00- 125.00	100.00
3.066	3.065	(0.001)	399148	0.1109	194.81- 324.69	260.13
3.452	3.451	(0.001)	393985	0.1130	189.42- 315.70	256.77
3.638	3.637	(0.001)	304926	0.1115	146.69- 244.48	198.73
4.045	4.045	(0.000)	204561	0.1140	96.03- 160.04	133.32
Average of Peak Amounts =				0.112		

Data File: \\pcanor04\vd\chem\GC5\azhp4.i\020423IC-1.b\01281201.D

Date : 23-APR-2002 18:17

Client ID:

Sample Info: 1248,1,1

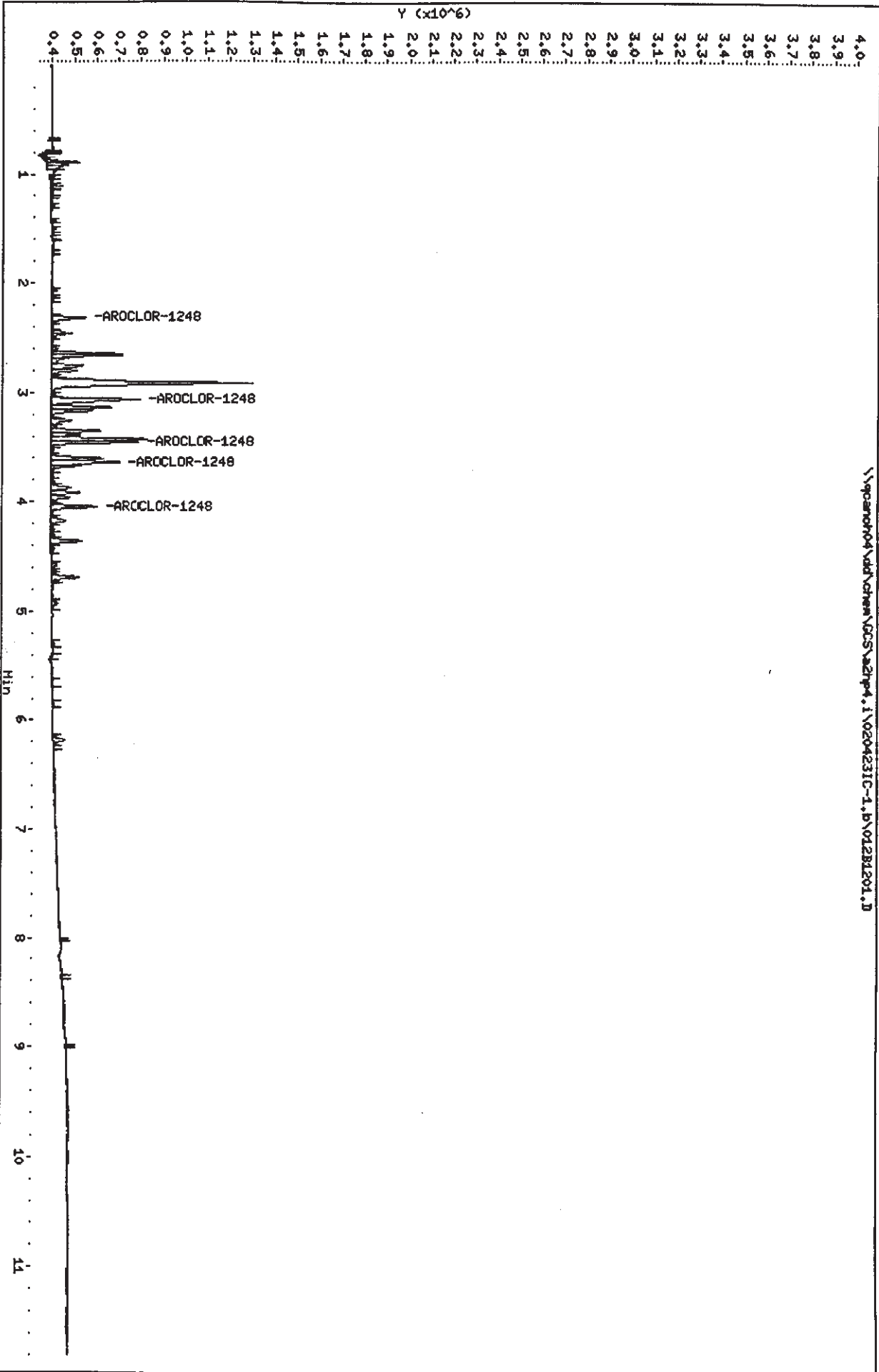
Column phase: restek pest c/p1

\\pcanor04\vd\chem\GC5\azhp4.i\020423IC-1.b\01281201.D

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\013B1301.D
Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\013B1301.D
Lab Smp Id: 1248
Inj Date : 23-APR-2002 18:34
Operator : 1808
Smp Info : 1248,,1,2
Misc Info : 3-AR1248.sub
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
Meth Date : 24-Apr-2002 05:56 molm
Cal Date : 19-APR-2002 10:35
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: QCANOH05
Inst ID: a2hp4.i
Quant Type: ESTD
Cal File: 024B2401.D
Calibration Sample, Level: 2
Compound Sublist: 3-AR1248.sub
Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
*****			*****	*****	*****	*****
6 AROCLOR-1248			CAS #: 12672-29-6			
2.317	2.316	(0.001)	295794 0.20000	0.2138	75.00- 125.00	100.00
3.065	3.065	(0.000)	759216 0.20000	0.2097	194.81- 324.69	256.67
3.451	3.451	(0.000)	740921 0.20000	0.2085	189.42- 315.70	250.49
3.638	3.637	(0.001)	576951 0.20000	0.2086	146.69- 244.48	195.05
4.044	4.045	(-0.001)	386468 0.20000	0.2128	96.03- 160.04	130.65
Average of Peak Amounts =				0.211		

Data File: \\parrnet04\vdh\chem\GCSS\azhp4.1\020423IC-1.b\013B1304.D
Date : 23-APR-2002 18:34

Client ID:

Sample Info: 1248,1,2

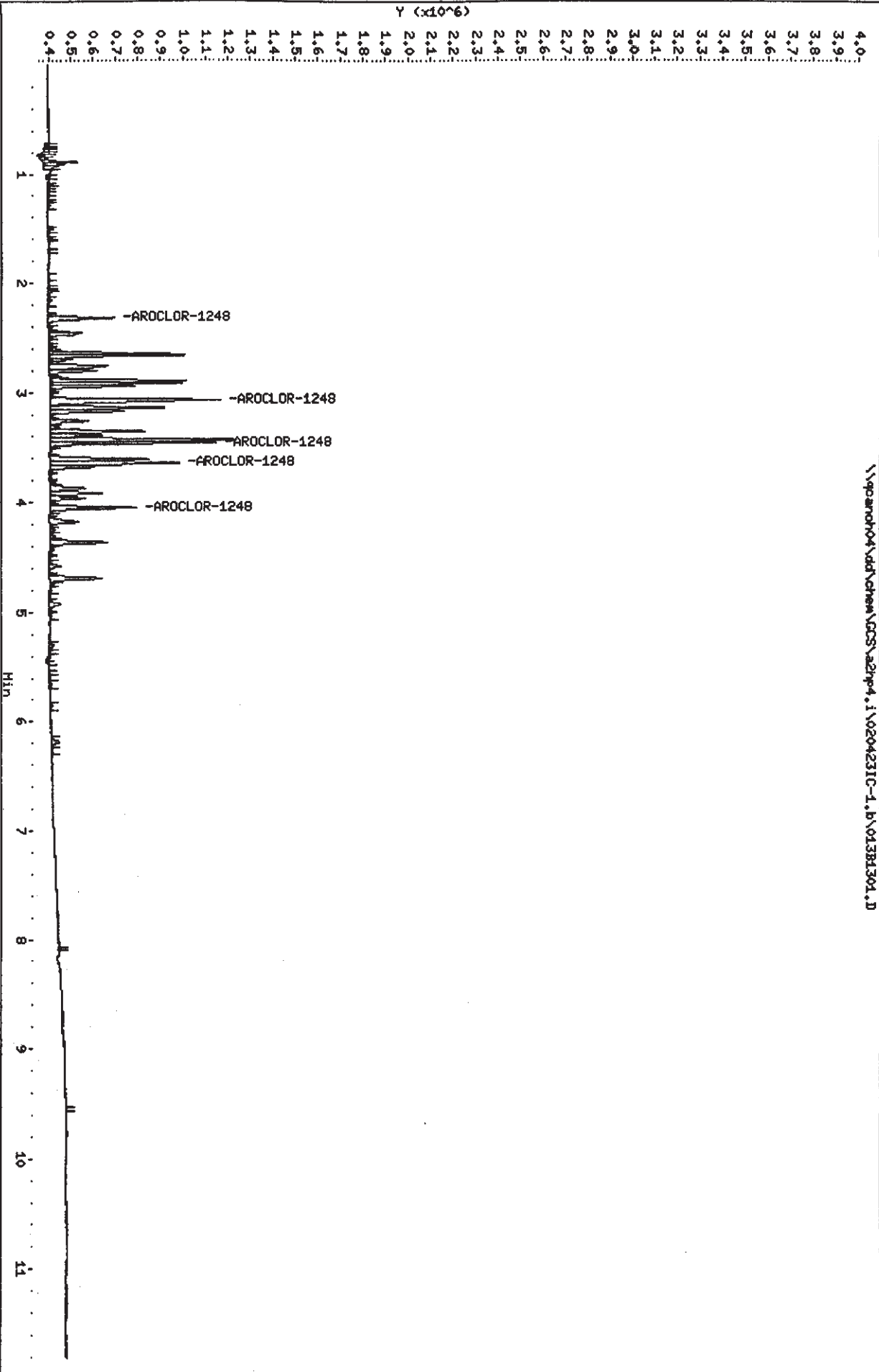
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\parrnet04\vdh\chem\GCSS\azhp4.1\020423IC-1.b\013B1304.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\014B1401.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\014B1401.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 18:51
 Operator : 1808
 Smp Info : 1248,,1,3
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (	ng)	(	ng)	.....
6 AROCLOR-1248			CAS #: 12672-29-6				
2.317	2.316	(0.001)	739750	0.50000	0.5150	75.00- 125.00	100.00
3.065	3.065	(0.000)	1921513	0.50000	0.5115	194.81- 324.69	259.75
3.451	3.451	(0.000)	1868313	0.50000	0.5063	189.42- 315.70	252.56
3.637	3.637	(0.000)	1446617	0.50000	0.5054	146.69- 244.48	195.58
4.043	4.045	(-0.002)	947140	0.50000	0.5028	96.03- 160.04	128.04
Average of Peak Amounts =			0.508				

Data File: \\pcanor04\ddt\chem\GC5\az7pe4.1\020423IC-1.b\01481401.D

Date : 23-APR-2002 18:51

Client ID:

Sample Info: 1248,1,3

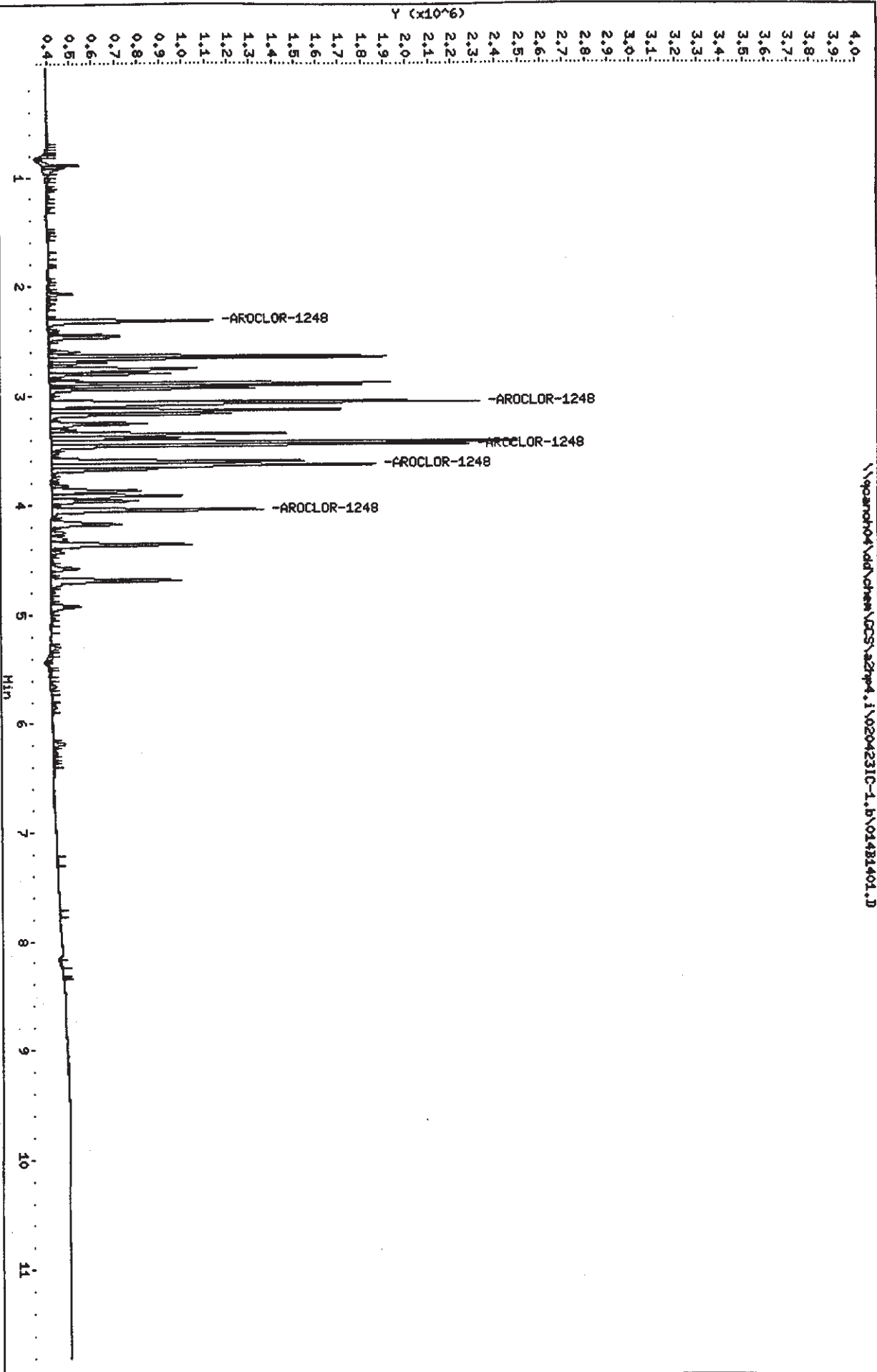
Column phase: restek pest c1p1

\\pcanor04\ddt\chem\GC5\az7pe4.1\020423IC-1.b\01481401.D

Instrument: az7pe4.i

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\015B1501.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\015B1501.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 19:07
 Operator : 1808
 Smp Info : 1248,,1,4
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.317	2.316	(0.001)	1319411	1.00000	0.9247 75.00- 125.00	100.00
3.066	3.065	(0.001)	3609665	1.00000	0.9613 194.81- 324.69	273.58
3.452	3.451	(0.001)	3668060	1.00000	0.9906 189.42- 315.70	278.01
3.638	3.637	(0.001)	2798285	1.00000	0.9777 146.69- 244.48	212.09
4.046	4.045	(0.001)	1818805	1.00000	0.9639 96.03- 160.04	137.85
Average of Peak Amounts =			0.964			

Data File: \\qpcan04\dd\chem\GC5\2hp4.i\0204231C-1.b\015B1501.D

Date : 23-APR-2002 19:07

Client ID:

Sample Info: 1248,,1,4

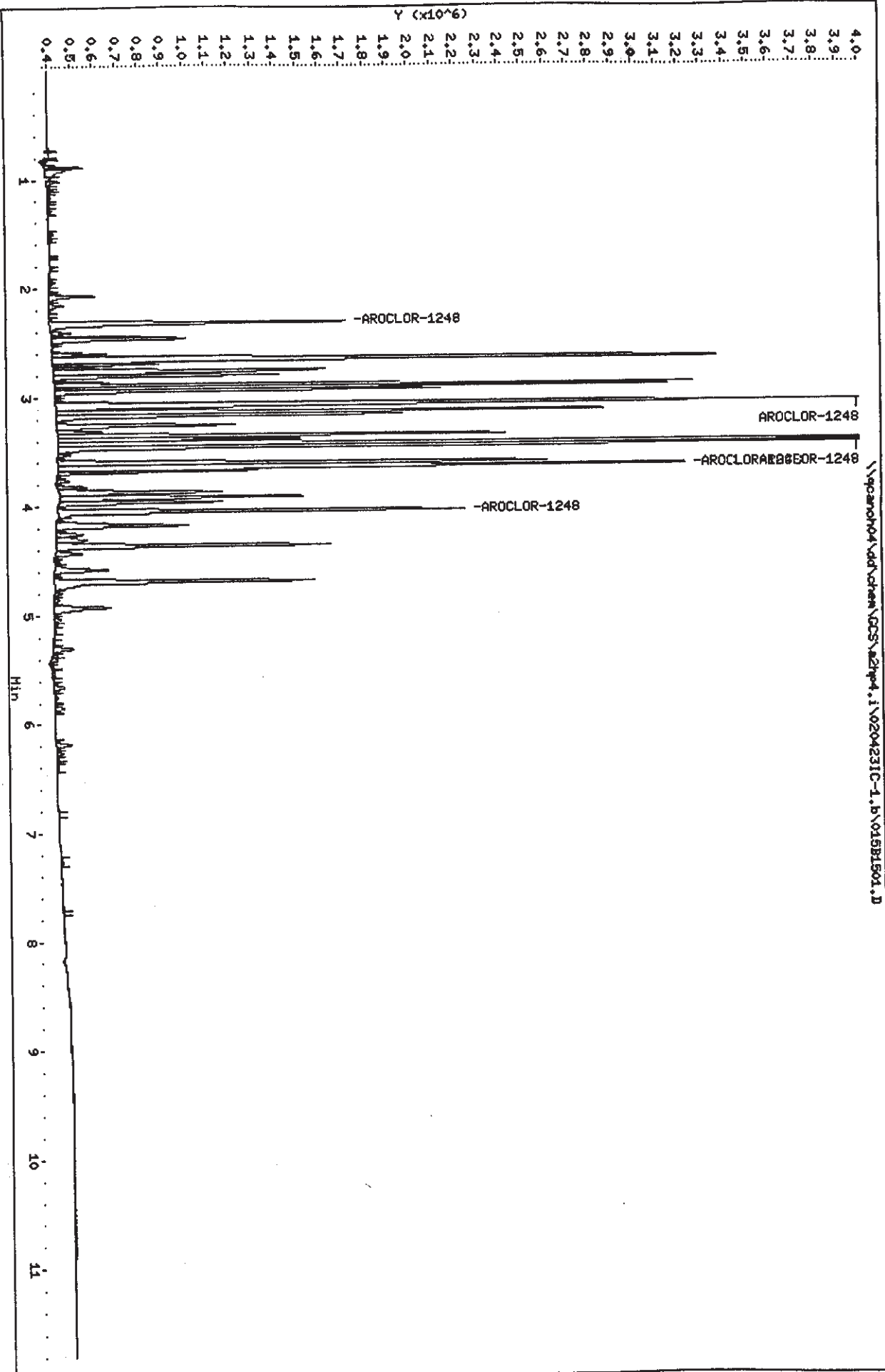
Column phase: restek pest c1p1

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53

\\qpcan04\dd\chem\GC5\2hp4.i\0204231C-1.b\015B1501.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\016B1601.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\016B1601.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 19:24
 Operator : 1808
 Smp Info : 1248,,1,5
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.316	2.316	(0.000)	2558090	2.00000	1.804 75.00- 125.00	100.00
3.065	3.065	(0.000)	7044284	2.00000	1.877 194.81- 324.69	275.37
3.451	3.451	(0.000)	7275960	2.00000	1.947 189.42- 315.70	284.43
3.637	3.637	(0.000)	5515188	2.00000	1.917 146.69- 244.48	215.60
4.045	4.045	(0.000)	3595584	2.00000	1.895 96.03- 160.04	140.56
Average of Peak Amounts =				1.89		

Data File: \\ganonh04\dat\chem\GC5\azhp4.1\020423IC-1.b\016B1601.D
Date : 23-APR-2002 19:24

Client ID:

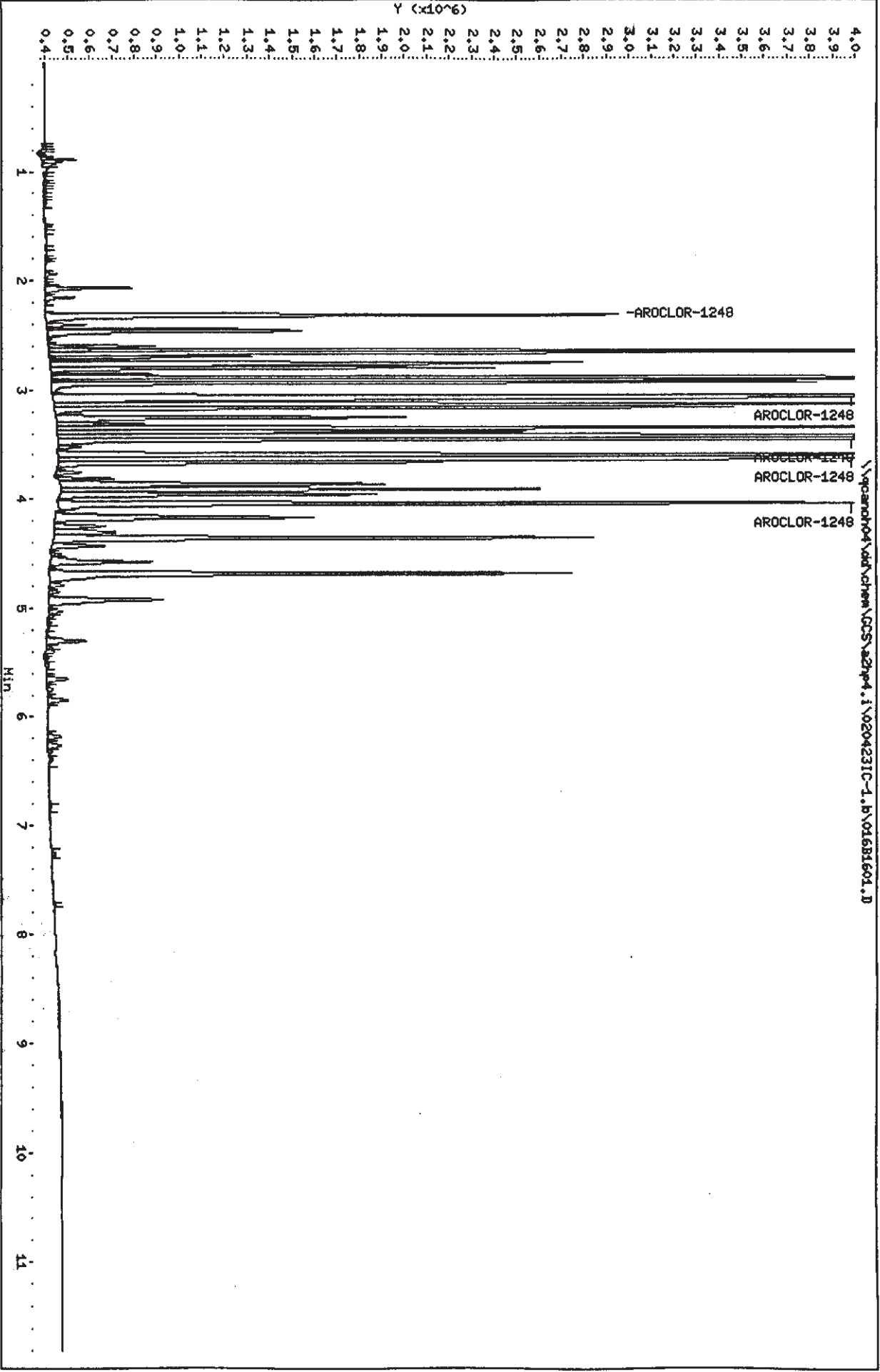
Sample Info: 1248, 1,5

Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\017B1701.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 19:40
 Operator : 1808
 Smp Info : 2154,,1,1
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			-----
---	-----	-----	-----	-----	-----	-----	
7 AROCLOR-1254			CAS #: 11097-69-1				
2.892	2.891	(0.001)	256512 0.10000	0.07648	75.00- 125.00	100.00	
3.633	3.632	(0.001)	472811 0.10000	0.07189	143.34- 238.89	184.32	
4.045	4.044	(0.001)	623419 0.10000	0.06967	199.90- 333.17	243.04	
4.360	4.359	(0.001)	439711 0.10000	0.07113	134.30- 223.84	171.42	
4.925	4.924	(0.001)	408627 0.10000	0.06678	137.69- 229.48	159.30	
Average of Peak Amounts =				0.0712			

2 AROCLOR-1221			CAS #: 11104-28-2				
1.940	1.939	(0.001)	146179 0.10000	0.07825	75.00- 125.00	100.00	
2.040	2.039	(0.001)	96129 0.10000	0.07873	48.75- 81.25	65.76	
2.069	2.069	(0.000)	354696 0.10000	0.07783	180.32- 300.53	242.64	
Average of Peak Amounts =				0.0783			

Data File: \\pcan04\dd\chem\GC5\azhp4.1\020423IC-1.b\01781701.D

Date: 23-APR-2002 19:40

Client ID:

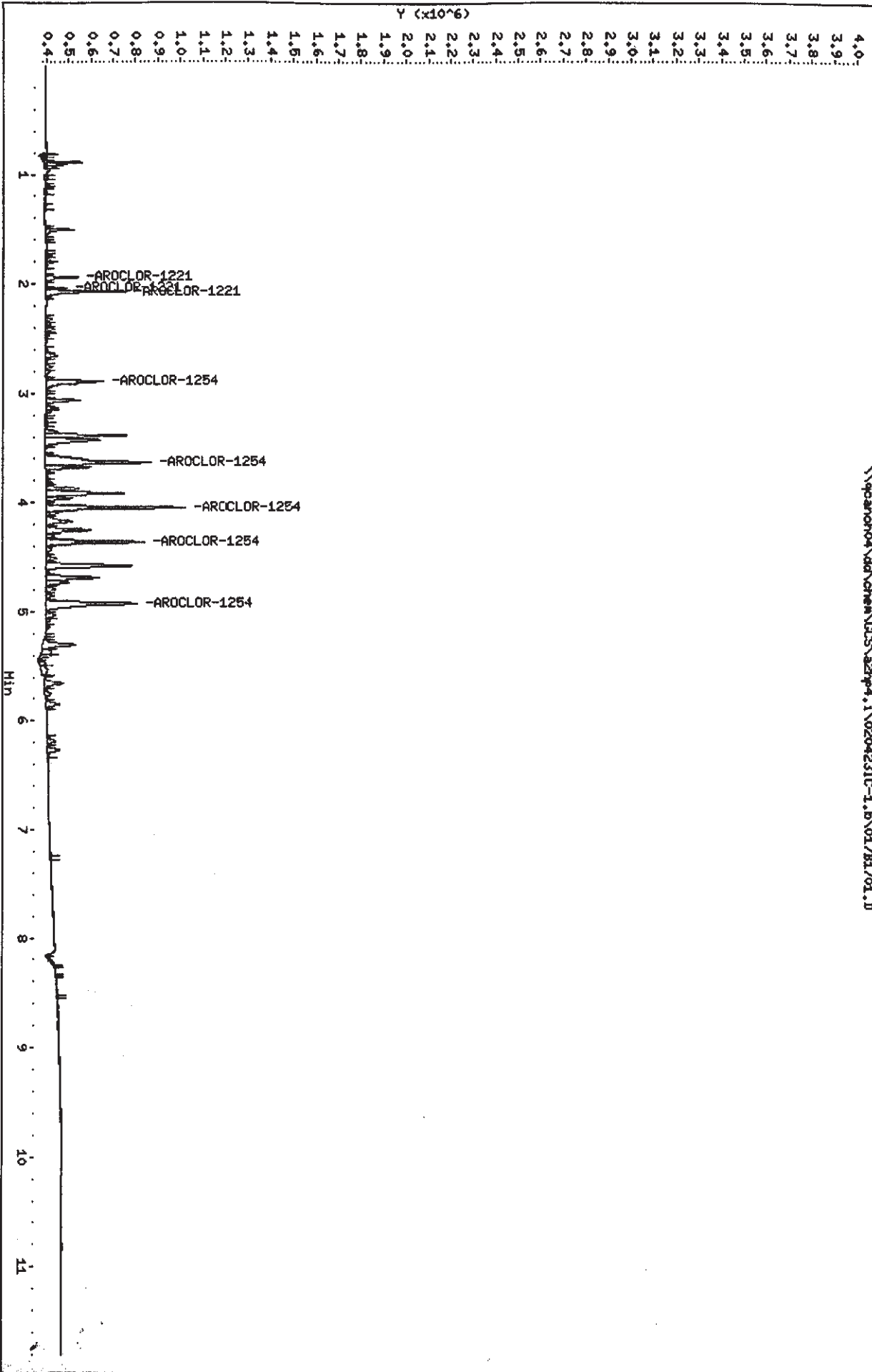
Sample Info: 2154,1,1

Instrument: azhp4.1

Operator: 1808
Column diameter: 0.53

Column phase: restek_pest_olp1

\\pcan04\dd\chem\GC5\azhp4.1\020423IC-1.b\01781701.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\018B1801.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 19:57
 Operator : 1808
 Smp Info : 2154,,1,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
7 AROCLOR-1254							
				CAS #: 11097-69-1			
2.891	2.891	(0.000)	517402	0.20000	0.1672	75.00- 125.00	100.00
3.632	3.632	(0.000)	928176	0.20000	0.1521	143.34- 238.89	179.39
4.044	4.044	(0.000)	1252426	0.20000	0.1498	199.90- 333.17	242.06
4.359	4.359	(0.000)	874826	0.20000	0.1507	134.30- 223.84	169.08
4.925	4.924	(0.001)	862140	0.20000	0.1505	137.69- 229.48	166.63
Average of Peak Amounts =				0.154			

2 AROCLOR-1221							
				CAS #: 11104-28-2			
1.939	1.939	(0.000)	298490	0.20000	0.1731	75.00- 125.00	100.00
2.039	2.039	(0.000)	197785	0.20000	0.1761	48.75- 81.25	66.26
2.068	2.069	(-0.001)	718106	0.20000	0.1709	180.32- 300.53	240.58
Average of Peak Amounts =				0.173			

Data File: \\pcanoh04\ad\chem\GC5\azhp4.i\020423IC-1.b\018B1801.D

Date : 23-APR-2002 19:57

Client ID:

Sample Info: 2154,,1,2

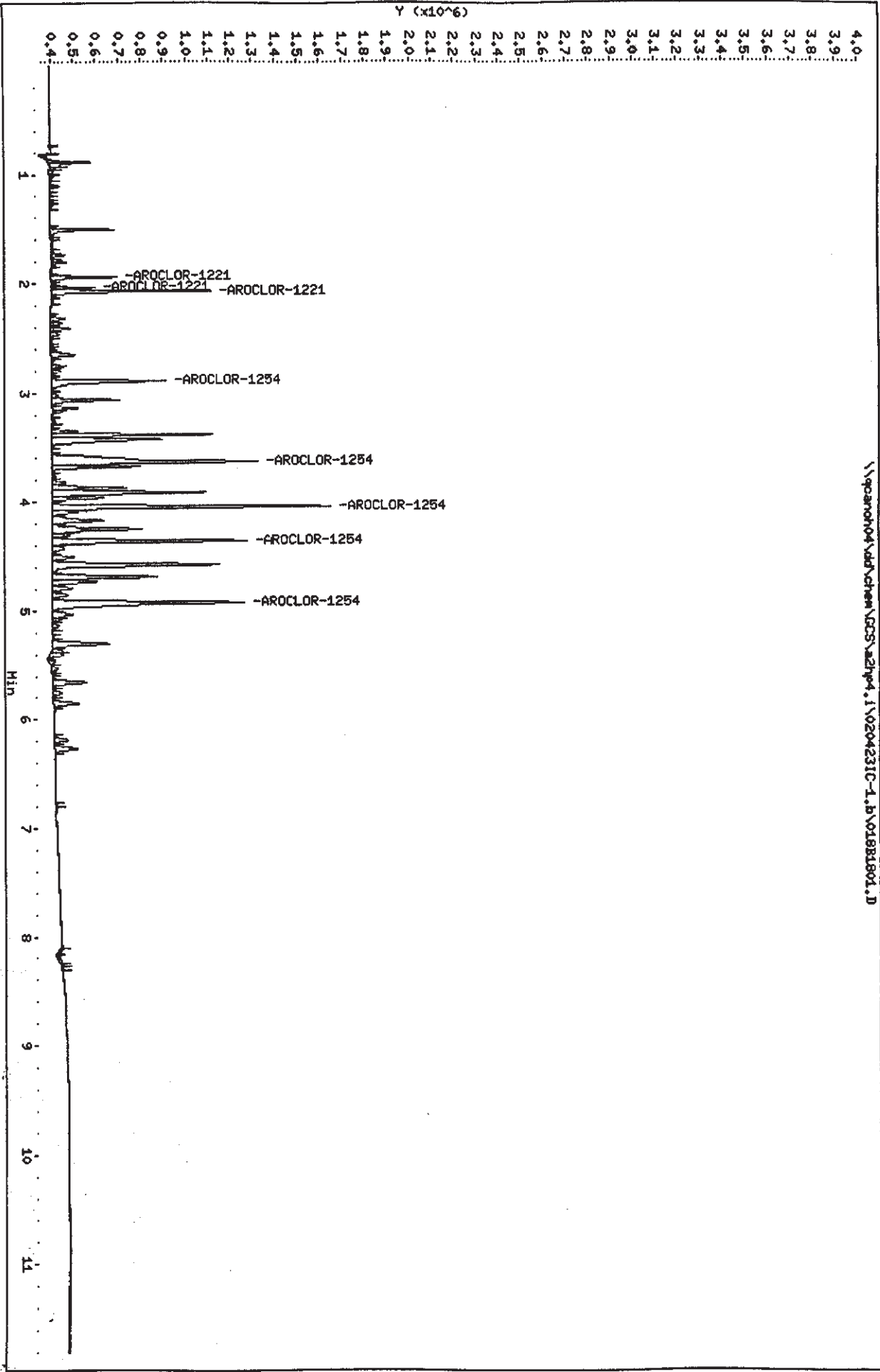
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcanoh04\ad\chem\GC5\azhp4.i\020423IC-1.b\018B1801.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\019B1901.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\019B1901.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:13
 Operator : 1808
 Smp Info : 2154,,1,3
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	-----	RESPONSE (ng)	(ng)	-----	-----	
7 AROCLOR-1254				CAS #: 11097-69-1				
2.891	2.891	(0.000)		1136522	0.50000	0.4052 75.00- 125.00	100.00	
3.633	3.632	(0.001)		2172067	0.50000	0.3947 143.34- 238.89	191.12	
4.045	4.044	(0.001)		3029252	0.50000	0.4022 199.90- 333.17	266.54	
4.360	4.359	(0.001)		2035191	0.50000	0.3914 134.30- 223.84	179.07	
4.925	4.924	(0.001)		2086468	0.50000	0.4056 137.69- 229.48	183.58	
Average of Peak Amounts =				0.4				

2 AROCLOR-1221				CAS #: 11104-28-2				
1.940	1.939	(0.001)		675184	0.50000	0.4254 75.00- 125.00	100.00	
2.040	2.039	(0.001)		438894	0.50000	0.4261 48.75- 81.25	65.00	
2.069	2.069	(0.000)		1623289	0.50000	0.4216 180.32- 300.53	240.42	
Average of Peak Amounts =				0.424				

Data File: \\qpcan04\vd\chem\GCSS\azhp4.1\020423IC-1.b\01981901.D

Date: 23-APR-2002 20:13

Client ID:

Sample Info: 2154, 1.3

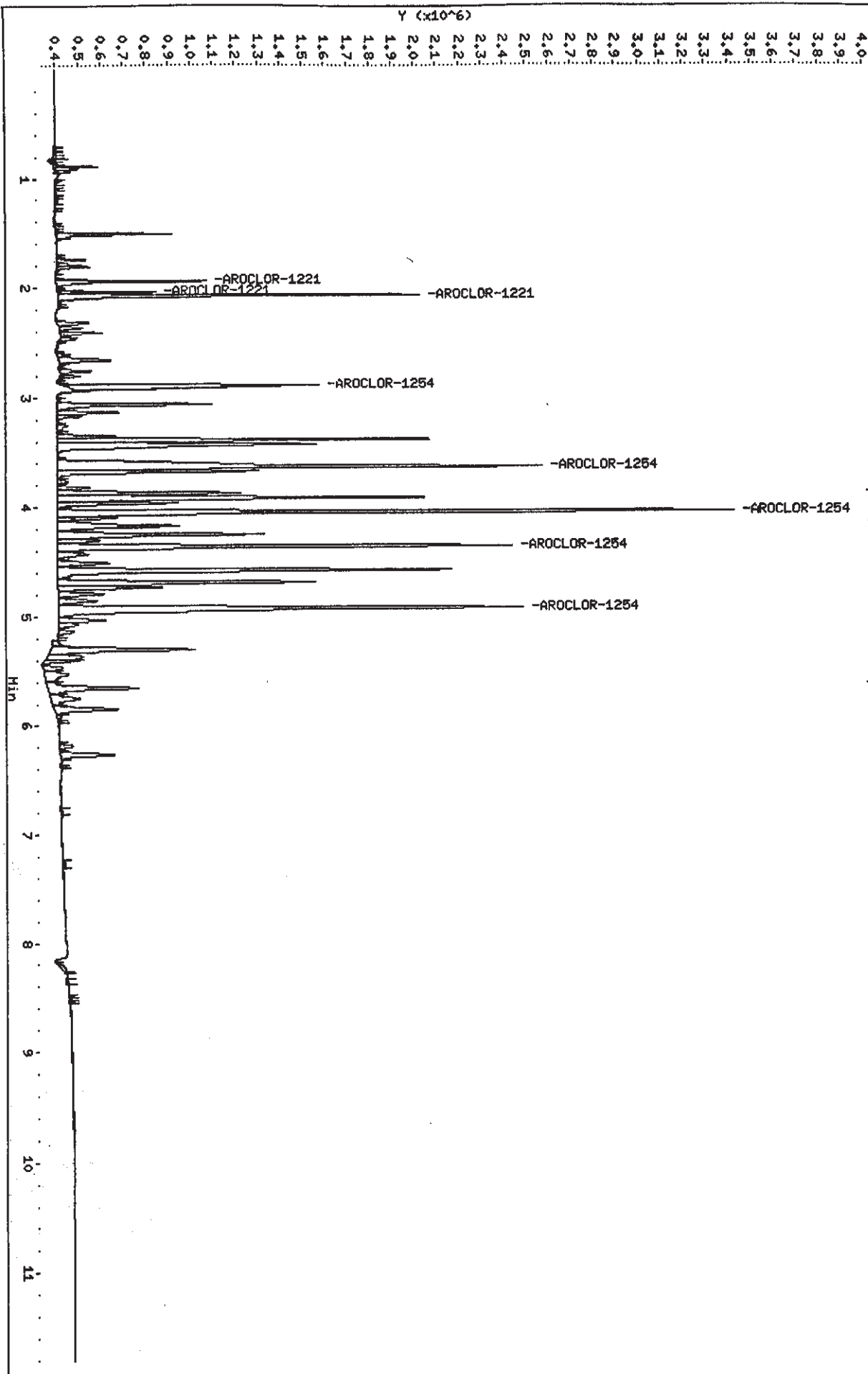
Column phase: restek pest cap1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\qpcan04\vd\chem\GCSS\azhp4.1\020423IC-1.b\01981901.D



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\020B2001.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:30
 Operator : 1808
 Smp Info : 2154,,1,4
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
7 AROCLOR-1254			CAS #: 11097-69-1				
2.891	2.891	(0.000)	2284478	1.00000	0.8863	75.00- 125.00	100.00
3.633	3.632	(0.001)	4325348	1.00000	0.8614	143.34- 238.89	189.34
4.044	4.044	(0.000)	6018304	1.00000	0.8718	199.90- 333.17	263.44
4.359	4.359	(0.000)	4137128	1.00000	0.8633	134.30- 223.84	181.10
4.925	4.924	(0.001)	4121201	1.00000	0.8697	137.69- 229.48	180.40
Average of Peak Amounts =					0.87		

2 AROCLOR-1221			CAS #: 11104-28-2				
1.939	1.939	(0.000)	1305210	1.00000	0.8886	75.00- 125.00	100.00
2.039	2.039	(0.000)	844391	1.00000	0.8846	48.75- 81.25	64.69
2.068	2.069	(-0.001)	3167995	1.00000	0.8904	180.32- 300.53	242.72
Average of Peak Amounts =					0.888		

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\021B2101.D
 Report Date: 24-Apr-2002 06:02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\021B2101.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:46
 Operator : 1808
 Smp Info : 2154,,1,5
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
2.891	2.891	(0.000)	4449060	2.00000	1.864 75.00- 125.00	100.00
3.632	3.632	(0.000)	8533442	2.00000	1.913 143.34- 238.89	191.80
4.044	4.044	(0.000)	11930188	2.00000	1.953 199.90- 333.17	268.15
4.359	4.359	(0.000)	8273048	2.00000	1.959 134.30- 223.84	185.95
4.924	4.924	(0.000)	8253514	2.00000	1.982 137.69- 229.48	185.51
Average of Peak Amounts =			1.93			

2 AROCLOR-1221			CAS #: 11104-28-2			
1.939	1.939	(0.000)	2431900	2.00000	1.781 75.00- 125.00	100.00
2.039	2.039	(0.000)	1546655	2.00000	1.739 48.75- 81.25	63.60
2.069	2.069	(0.000)	5772300	2.00000	1.756 180.32- 300.53	237.36
Average of Peak Amounts =			1.76			

Data File: \\qpcan04\ddt\chem\GCS\azhp4.i\020423IC-1.b\021B2101.D

Date: 23-APR-2002 20:46

Client ID:

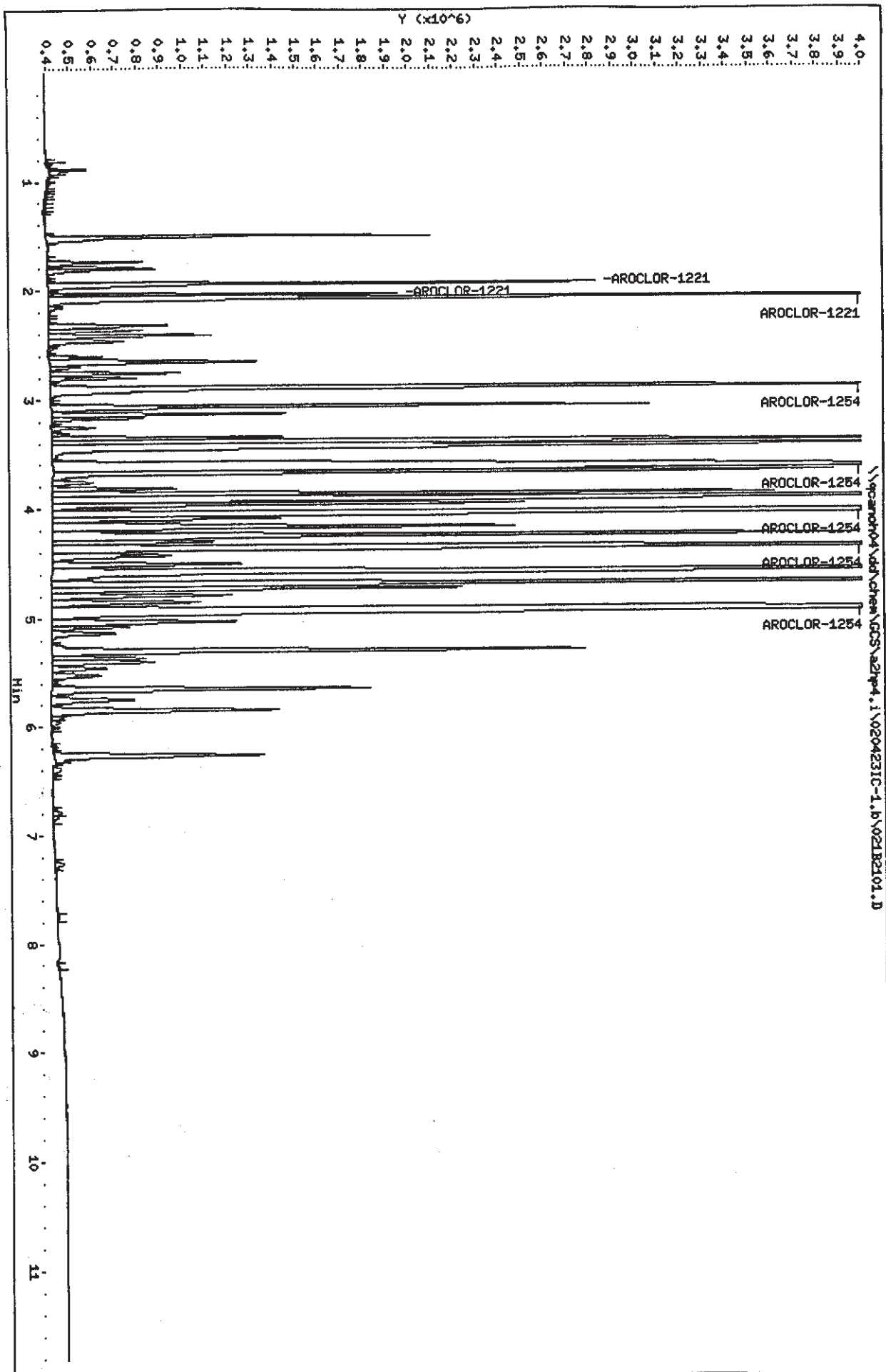
Sample Info: 2154,1,5

Column phase: restek pest oipi

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\022B2201.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:03
 Operator : 1808
 Smp Info : 1660,,1,1
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 21:03
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 022B2201.D
 Calibration Sample, Level: 1
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

\$ 1 TCMX						CAS #: 877-09-8	
1.833	1.806	(0.027)	606601	0.00500	0.004164		

3 AROCLOR-1016						CAS #: 12674-11-2	
2.069	2.070	(-0.001)	215470	0.10000	0.09541	75.00- 125.00	100.00
2.319	2.319	(0.000)	333443	0.10000	0.09610	118.52- 197.53	154.75
2.658	2.658	(0.000)	649660	0.10000	0.09748	222.68- 371.13	301.51
2.756	2.755	(0.001)	330456	0.10000	0.09307	118.27- 197.12	153.37
2.803	2.801	(0.002)	237377	0.10000	0.09134	86.75- 144.59	110.17
Average of Peak Amounts =				0.0947			

8 AROCLOR-1260						CAS #: 11096-82-5	
4.248	4.247	(0.001)	435171	0.10000	0.1031	75.00- 125.00	100.00(M)
4.578	4.575	(0.003)	665499	0.10000	0.1029	113.83- 189.72	152.93
4.926	4.923	(0.003)	550189	0.10000	0.1558	93.85- 156.41	126.43
5.848	5.845	(0.003)	748734	0.10000	0.1006	117.39- 195.65	172.06
6.263	6.261	(0.002)	398807	0.10000	0.2000	67.44- 112.40	91.64
Average of Peak Amounts =				0.132			

\$ 9 DCB						CAS #: 2051-24-3	
8.067	8.065	(0.002)	371751	0.00500	0.005497		

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\022B2201.D
Report Date: 24-Apr-2002 12:07

QC Flag Legend

M - Compound response manually integrated.

Data File: \\pcan04\dd\chem\GC5\azhp4.i\020423IC-1.b\02282201.D

Date : 23-APR-2002 21:03

Client ID:

Sample Info: 1660,1,1

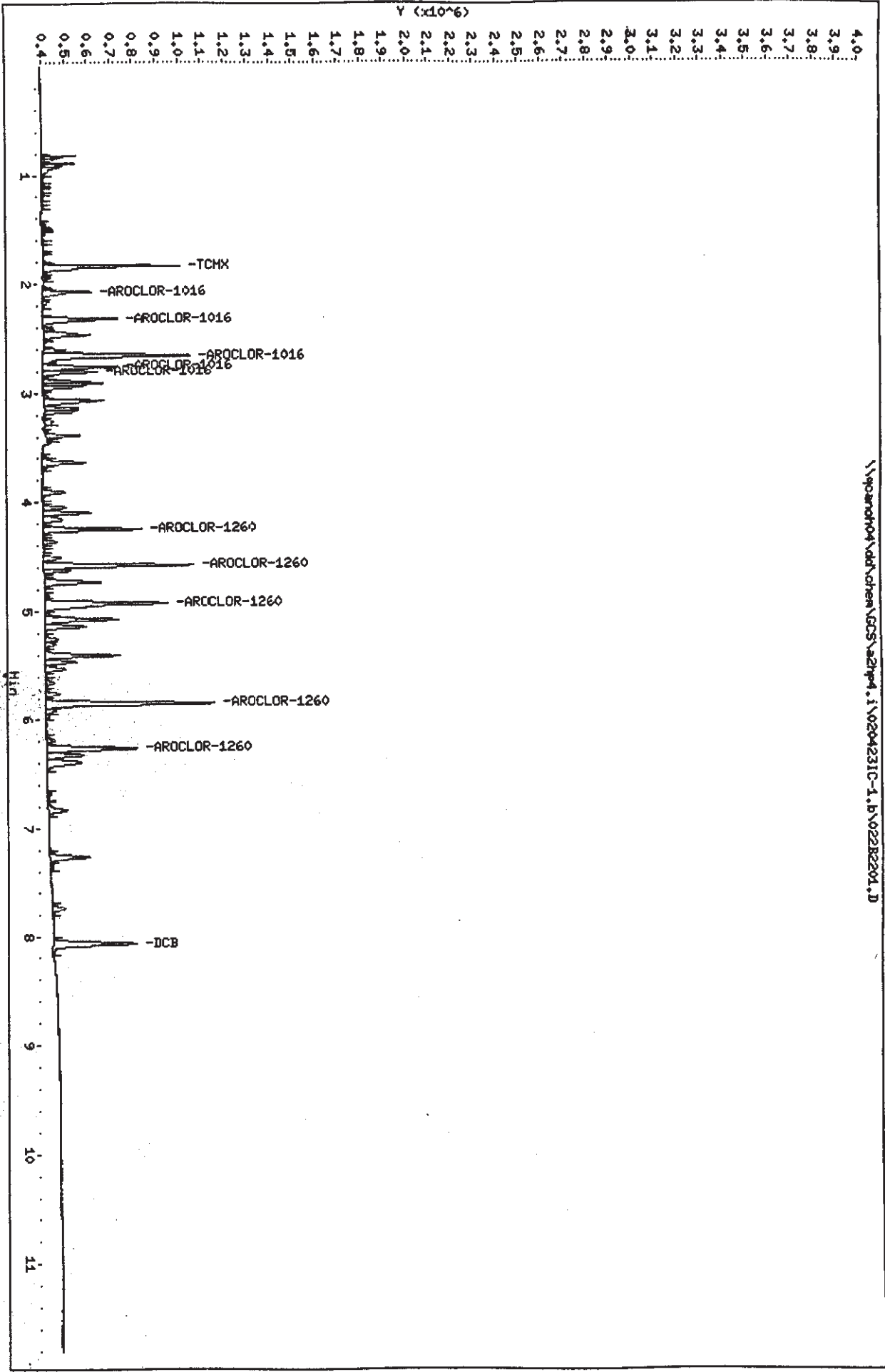
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcan04\dd\chem\GC5\azhp4.i\020423IC-1.b\02282201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\023B2301.D
 Report Date: 24-Apr-2002 12:07

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:19
 Operator : 1808
 Smp Info : 1660,,1,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 22:09
 Dil bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOHO5

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 2
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

1 TCX				CAS #: 877-09-8			
1.832	1.806	(0.026)	1445587	0.01000	0.009924		

3 AROCLOR-1016				CAS #: 12674-11-2			
2.068	2.070	(-0.002)	479756	0.20000	0.2124	75.00- 125.00	100.00
2.318	2.319	(-0.001)	730755	0.20000	0.2106	118.52- 197.53	152.32
2.657	2.658	(-0.001)	1338381	0.20000	0.2008	222.68- 371.13	278.97
2.755	2.755	(0.000)	722204	0.20000	0.2034	118.27- 197.12	150.54
2.801	2.801	(0.000)	526709	0.20000	0.2027	86.75- 144.59	109.79
Average of Peak Amounts =				0.206			

8 AROCLOR-1260				CAS #: 11096-82-5			
4.247	4.247	(0.000)	858670	0.20000	0.2035	75.00- 125.00	100.00
4.576	4.575	(0.001)	1294964	0.20000	0.2003	113.83- 189.72	150.81
4.924	4.923	(0.001)	1085811	0.20000	0.2722	93.85- 156.41	126.45
5.846	5.845	(0.001)	1478335	0.20000	0.1986	117.39- 195.65	172.17
6.262	6.261	(0.001)	774790	0.20000	0.3155	67.44- 112.40	90.23
Average of Peak Amounts =				0.238			

9 DCB				CAS #: 2051-24-3			
8.066	8.065	(0.001)	688217	0.01000	0.01018		

Data File: \\qpcand04\dd\chem\GC5\azhp4.1\020423IC-1.b\02382301.D

Date: 23-Apr-2002 21:19

Client ID:

Sample Info: 1660,1,2

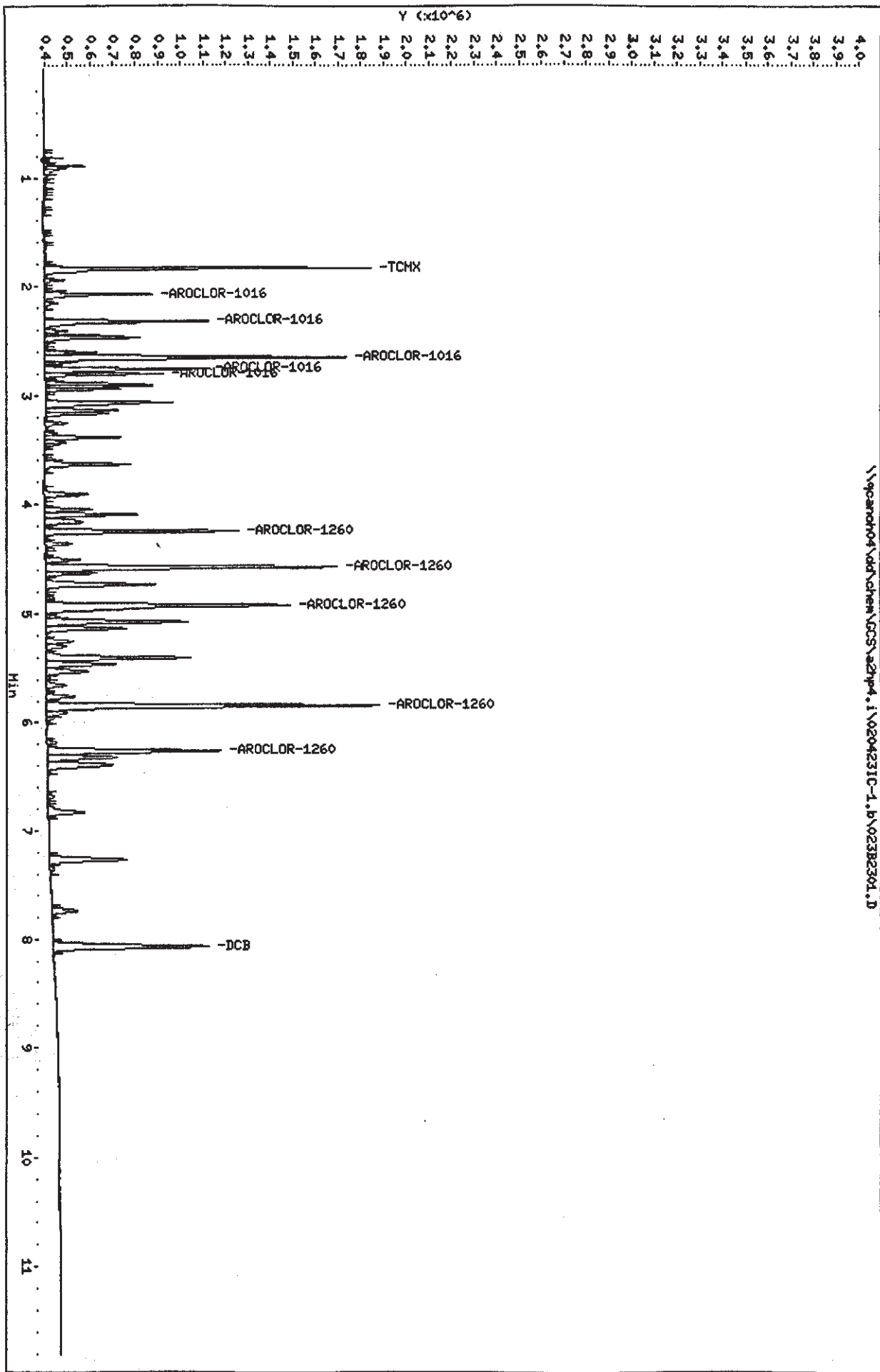
Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c/p1

\\qpcand04\dd\chem\GC5\azhp4.1\020423IC-1.b\02382301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\024B2401.D
 Report Date: 24-Apr-2002 12:07

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\024B2401.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:36
 Operator : 1808
 Smp Info : 1660,,1,3
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 3
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
--	-----	-----	-----	-----	-----	-----	-----		

\$ 1 TCMX						CAS #: 877-09-8			
1.832	1.806	(0.026)	3886925	0.02500	0.02668				

3 AROCLOR-1016						CAS #: 12674-11-2			
2.068	2.070	(-0.002)	1182338	0.50000	0.5235	75.00- 125.00	100.00		
2.317	2.319	(-0.002)	1818488	0.50000	0.5241	118.52- 197.53	153.80		
2.657	2.658	(-0.001)	3376511	0.50000	0.5066	222.68- 371.13	285.58		
2.755	2.755	(0.000)	1851997	0.50000	0.5216	118.27- 197.12	156.64		
2.802	2.801	(0.001)	1346204	0.50000	0.5180	86.75- 144.59	113.86		
Average of Peak Amounts =					0.519				

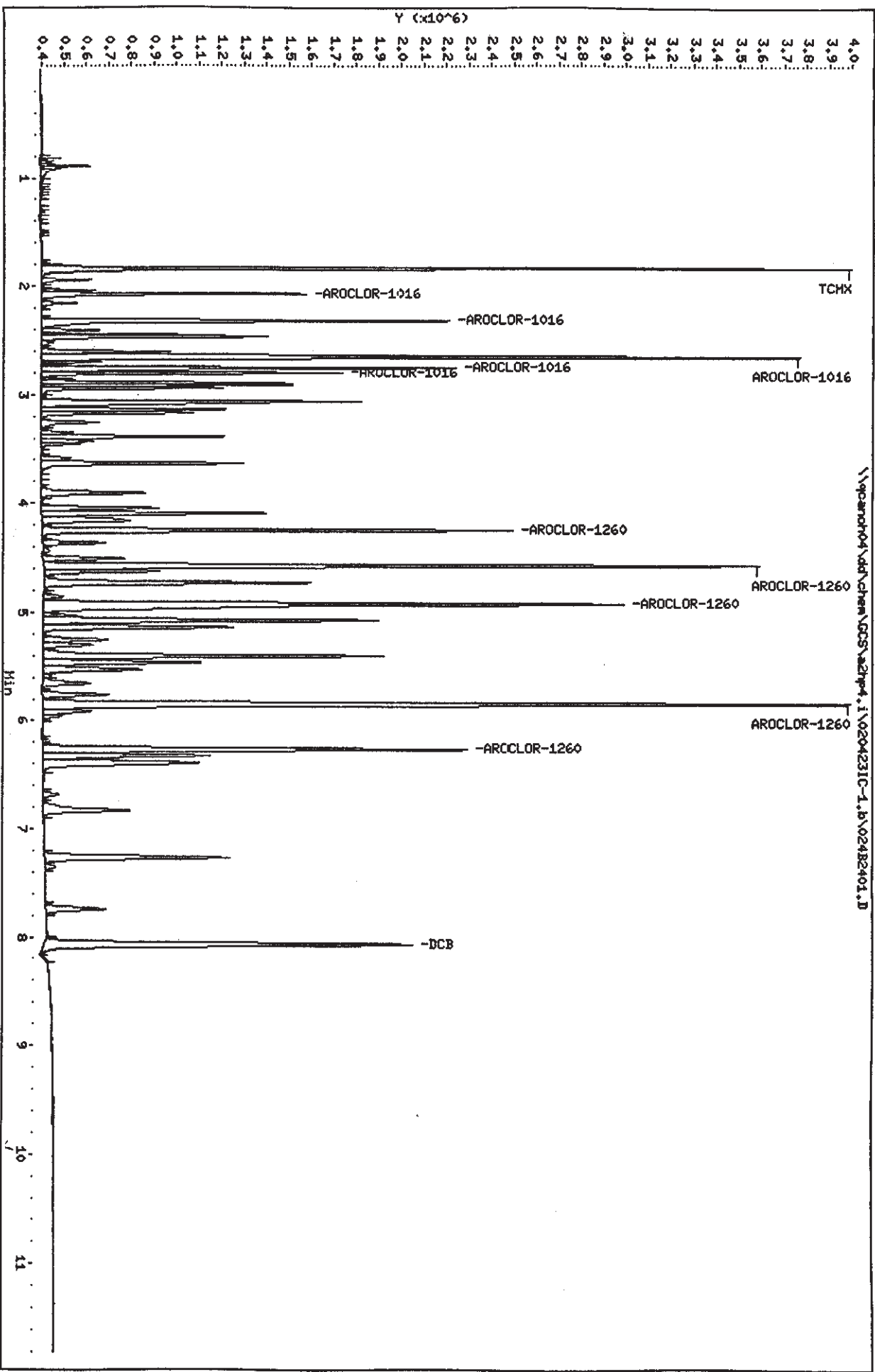
8 AROCLOR-1260						CAS #: 11096-82-5			
4.247	4.247	(0.000)	2099335	0.50000	0.4974	75.00- 125.00	100.00		
4.577	4.575	(0.002)	3190331	0.50000	0.4935	113.83- 189.72	151.97		
4.924	4.923	(0.001)	2587515	0.50000	0.5847	93.85- 156.41	123.25		
5.847	5.845	(0.002)	3668506	0.50000	0.4929	117.39- 195.65	174.75		
6.262	6.261	(0.001)	1896338	0.50000	0.6503	67.44- 112.40	90.33		
Average of Peak Amounts =					0.544				

\$ 9 DCB						CAS #: 2051-24-3			
8.066	8.065	(0.001)	1645191	0.02500	0.02433				

Data File: \\pcanor04\add\chem\GC5\adhp4.i\0204231C-1.b\024B2401.D
Date: 23-APR-2002 21:36
Client ID:
Sample Info: 1660,1,3

Column phase: restek pest c1p1

Instrument: adhp4.i
Operator: 1808
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\025B2501.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:52
 Operator : 1808
 Smp Info : 1660,,1,4
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Calibration Sample, Level: 4
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL (ng)	TARGET RANGE	RATIO

						CAS #: 877-09-8	
1.833	1.806	(0.027)	7629197	0.05000	0.05237		

						CAS #: 12674-11-2	
2.069	2.070	(-0.001)	2237206	1.00000	0.9906	75.00- 125.00	100.00
2.318	2.319	(-0.001)	3434856	1.00000	0.9900	118.52- 197.53	153.53
2.658	2.658	(0.000)	6657238	1.00000	0.9988	222.68- 371.13	297.57
2.755	2.755	(0.000)	3573676	1.00000	1.006	118.27- 197.12	159.74
2.801	2.801	(0.000)	2633566	1.00000	1.013	86.75- 144.59	117.72
Average of Peak Amounts =						0.1	

						CAS #: 11096-82-5	
4.248	4.247	(0.001)	4132899	1.00000	0.9793	75.00- 125.00	100.00
4.576	4.575	(0.001)	6379585	1.00000	0.9869	113.83- 189.72	154.36
4.925	4.923	(0.002)	5359804	1.00000	1.095	93.85- 156.41	129.69
5.847	5.845	(0.002)	7356689	1.00000	0.9885	117.39- 195.65	178.00
6.263	6.261	(0.002)	3830821	1.00000	1.131	67.44- 112.40	92.69
Average of Peak Amounts =						1.04	

						CAS #: 2051-24-3	
8.066	8.065	(0.001)	3254964	0.05000	0.04813		

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Date: 23-APR-2002 21:52

Client ID:

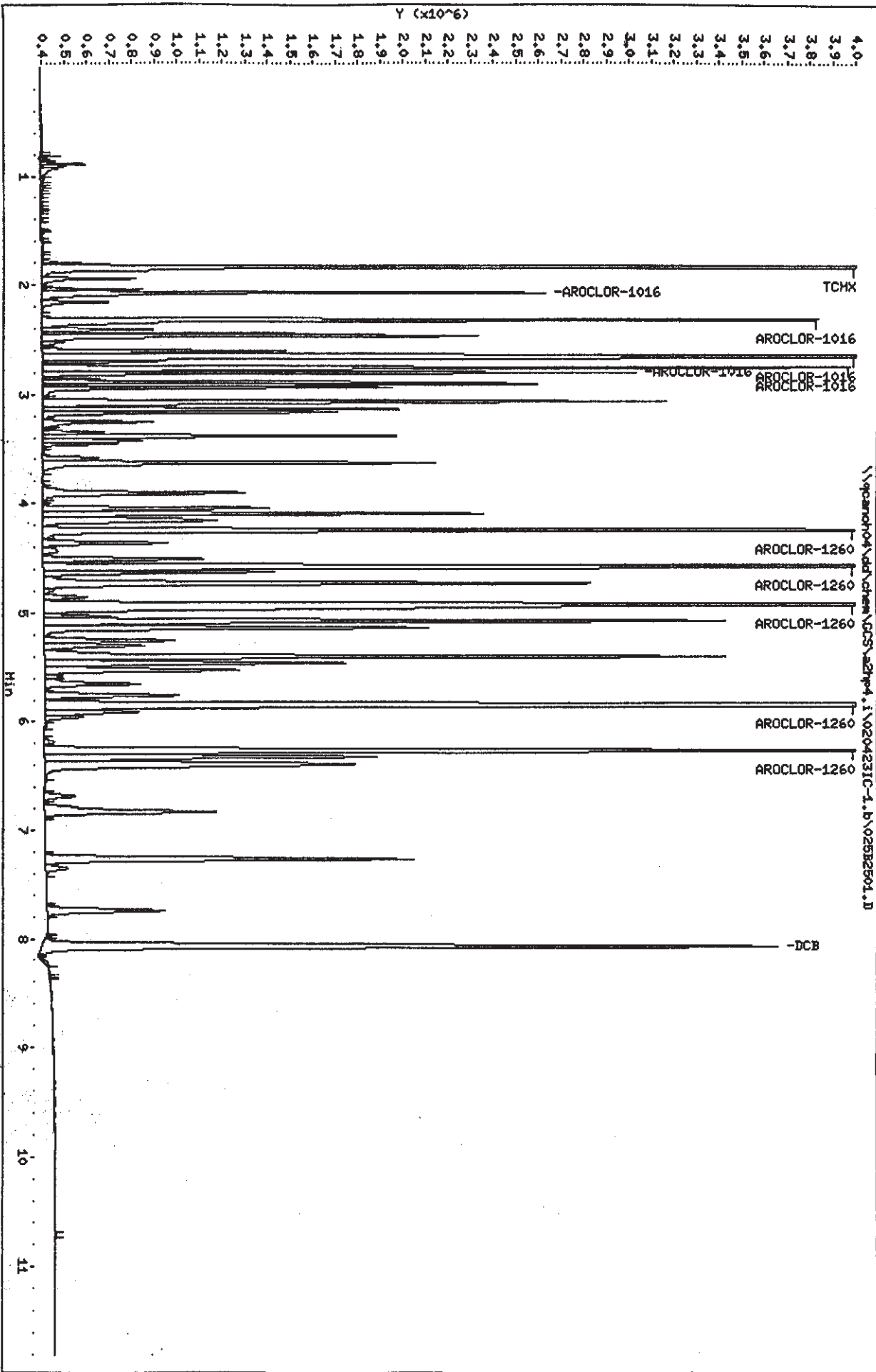
Sample Info: 1660,1,4

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c/p1



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\026B2601.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 22:09
 Operator : 1808
 Smp Info : 1660,,1,5
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 5
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO

\$ 1 TCMX					CAS #: 877-09-8	
1.833	1.806	(0.027)	15440077	0.10000	0.1060	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.069	2.070	(-0.001)	4272769	2.00000	1.892	75.00- 125.00 100.00
2.318	2.319	(-0.001)	6576925	2.00000	1.896	118.52- 197.53 153.93
2.657	2.658	(-0.001)	13451176	2.00000	2.018	222.68- 371.13 314.81
2.755	2.755	(0.000)	7119737	2.00000	2.005	118.27- 197.12 166.63
2.801	2.801	(0.000)	5322292	2.00000	2.048	86.75- 144.59 124.56
Average of Peak Amounts =					1.97	

8 AROCLOR-1260					CAS #: 11096-82-5	
4.247	4.247	(0.000)	8249980	2.00000	1.955	75.00- 125.00 100.00
4.576	4.575	(0.001)	12863304	2.00000	1.990	113.83- 189.72 155.92
4.923	4.923	(0.000)	10448118	2.00000	1.957	93.85- 156.41 126.64
5.846	5.845	(0.001)	15277709	2.00000	2.053	117.39- 195.65 185.18
6.261	6.261	(0.000)	7690514	2.00000	1.989	67.44- 112.40 93.22
Average of Peak Amounts =					1.99	

\$ 9 DCB					CAS #: 2051-24-3	
8.065	8.065	(0.000)	6406455	0.10000	0.09473	

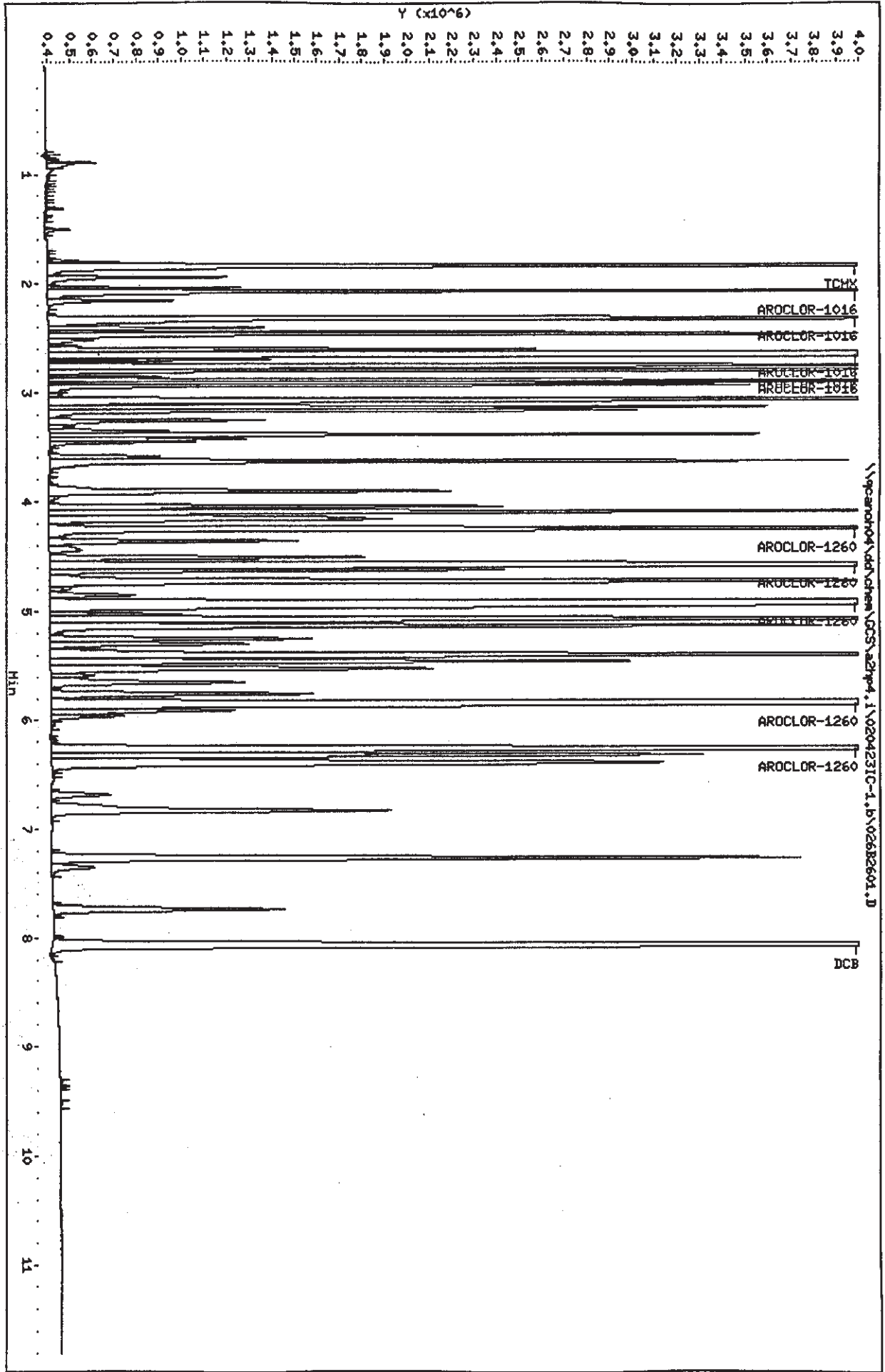
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Date: 23-SEP-2002 22:09

Client ID:
Sample Info: 1660,1,5

Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\027B2701.D
 Report Date: 24-Apr-2002 12:08

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 23-APR-2002 22:26
 Lab File ID: 027B2701.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: ICV Quant Type: ESTD
 Method: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m

COMPOUND	RRF	RF1	MIN	RRF	%D	MAX
\$ 1 TCMX	145668122	3541800	0.010	-97.6	15.0	<-
3 AROCLOR-1016(1)	2258349	2066190	0.010	-8.5	15.0	
(2)	3469700	3264994	0.010	-5.9	15.0	
(3)	6664871	6134624	0.010	-8.0	15.0	
(4)	3550624	3258370	0.010	-8.2	15.0	
(5)	2598887	2389948	0.010	-8.0	15.0	
8 AROCLOR-1260(1)	4220324	4039770	0.010	-4.3	15.0	
(2)	6464342	6131284	0.010	-5.2	15.0	
(3)	5337968	5054850	0.010	-5.3	15.0	
(4)	7442314	6323156	0.010	-15.0	15.0	<-
(5)	3866155	3632598	0.010	-6.0	15.0	
\$ 9 DCB	67628674	1227200	0.010	-98.2	15.0	<-

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\027B2701.D
 Lab Smp Id: ICV
 Inj Date : 23-APR-2002 22:26
 Operator : 1808
 Smp Info : ICV,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-1.b\HP4PCBF.m
 Meth Date : 24-Apr-2002 12:05 lip
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL	TARGET RANGE RATIO
--	-----	-----	-----	-----	-----	-----
\$ 1 TCMX			CAS #: 877-09-8			
1.806	1.806	(0.000)	88545	0.02500	0.0006078	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.070	2.070	(0.000)	1033095	0.50000	0.4574	75.00- 125.00 100.00
2.319	2.319	(0.000)	1632497	0.50000	0.4705	118.52- 197.53 158.02
2.658	2.658	(0.000)	3067312	0.50000	0.4602	222.68- 371.13 296.91
2.755	2.755	(0.000)	1629185	0.50000	0.4588	118.27- 197.12 157.70
2.801	2.801	(0.000)	1194974	0.50000	0.4598	86.75- 144.59 115.67
Average of Peak Amounts =					0.461	

8 AROCLOR-1260			CAS #: 11096-82-5			
4.247	4.247	(0.000)	2019885	0.50000	0.4786	75.00- 125.00 100.00
4.575	4.575	(0.000)	3065642	0.50000	0.4742	113.83- 189.72 151.77
4.923	4.923	(0.000)	2527425	0.50000	0.4735	93.85- 156.41 125.13
5.845	5.845	(0.000)	3161578	0.50000	0.4248	117.39- 195.65 156.52
6.261	6.261	(0.000)	1816299	0.50000	0.4698	67.44- 112.40 89.92
Average of Peak Amounts =					0.464	

\$ 9 DCB			CAS #: 2051-24-3			
8.065	8.065	(0.000)	30680	0.02500	0.0004536	

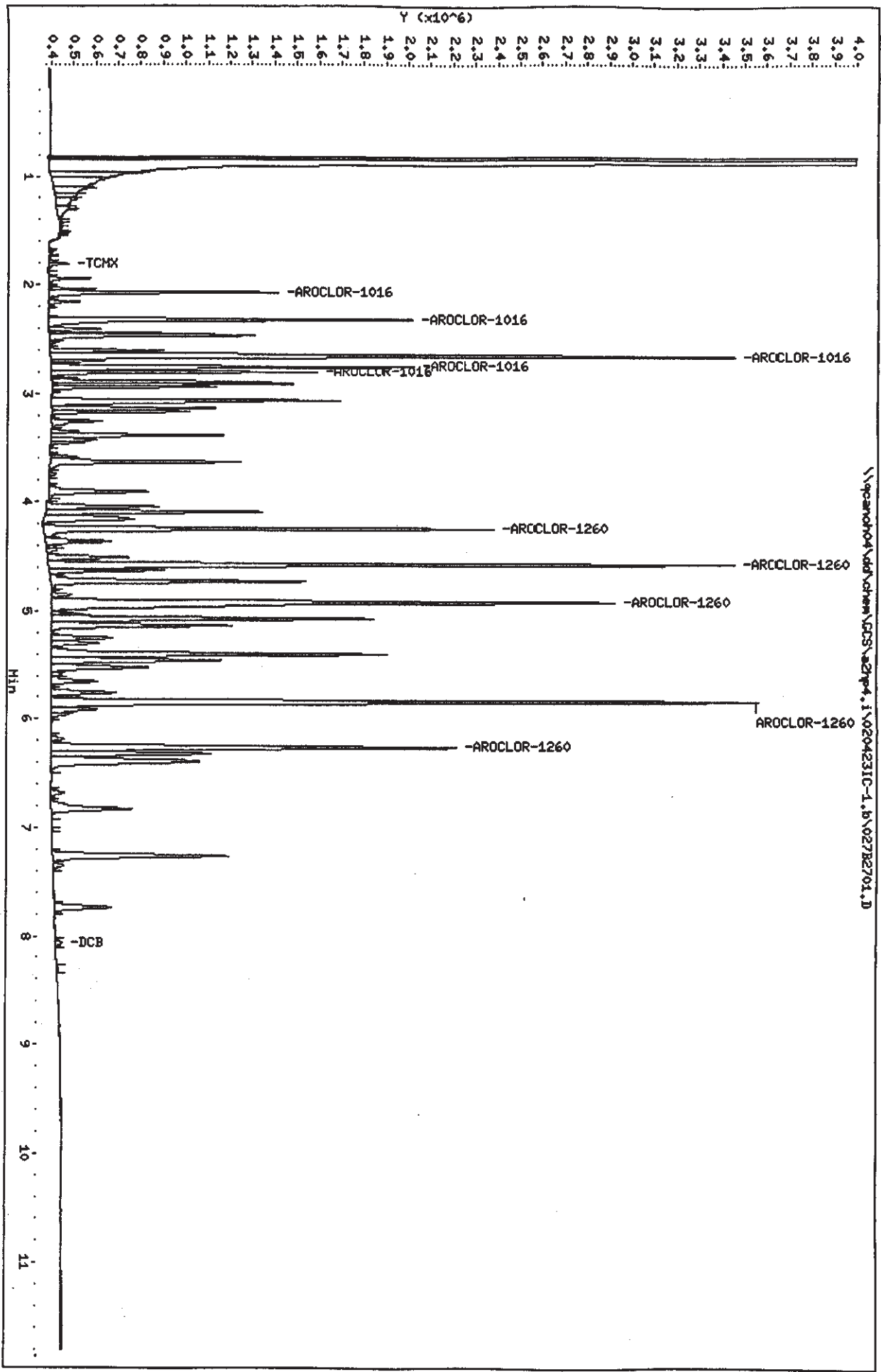
Data File: \\pcan04\volchem\GC5\azhp4.1\020423IC-1.B\027B2701.D
Date: 23-APR-2002 22:26

Client ID:
Sample Info: ICV,2

Column phase: restek_pest_qlp1

Instrument: azhp4.i

Operator: 1808
Column diameter: 0.53



Calibration History

Method : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
23-APR-2002 21:03	12-AR1660td	022B2201.D
23-APR-2002 19:40	9-AR2154	017B1701.D
23-APR-2002 18:17	3-AR1248	012B1201.D
23-APR-2002 16:55	2-AR1242	007B0701.D
23-APR-2002 15:32	1-AR1232	002B0201.D
Cal Level: 2 , Cal Amount: 0.2000		
23-APR-2002 21:19	12-AR1660td	023B2301.D
23-APR-2002 19:57	9-AR2154	018B1801.D
23-APR-2002 18:34	3-AR1248	013B1301.D
23-APR-2002 17:11	2-AR1242	008B0801.D
23-APR-2002 15:49	1-AR1232	003B0301.D
Cal Level: 3 , Cal Amount: 0.5000		
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D
Cal Level: 4 , Cal Amount: 1.000		
23-APR-2002 21:52	12-AR1660td	025B2501.D
23-APR-2002 20:30	9-AR2154	020B2001.D
23-APR-2002 19:07	3-AR1248	015B1501.D
23-APR-2002 17:44	2-AR1242	010B1001.D
23-APR-2002 16:22	1-AR1232	005B0501.D
Cal Level: 5 , Cal Amount: 2.000		
23-APR-2002 22:09	12-AR1660td	026B2601.D
23-APR-2002 20:46	9-AR2154	021B2101.D
23-APR-2002 19:24	3-AR1248	016B1601.D
23-APR-2002 18:01	2-AR1242	011B1101.D
23-APR-2002 16:38	1-AR1232	006B0601.D

Continuing Calibration

23-APR-2002 22:26	12-AR1660td	027B2701.D
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D

Report Date : 24-Apr-2002 05:48

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Cal Date : 24-Apr-2002 05:43 molm
 Curve Type : Average

Calibration File Names:

Level 1: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\022B2201.D
 Level 2: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\023B2301.D
 Level 3: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\024B2401.D
 Level 4: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\025B2501.D
 Level 5: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\026B2601.D

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	RRF	% RSD
2 AROCLOR-1221 (1)	1227410	1253885	1147862	1108264	1033819	1154248	7.742
(2)	816730	843960	760984	721813	671958	763089	9.133
(3)	2706930	2764440	2484290	2355641	2189327	2500126	9.599
3 AROCLOR-1016 (1)	1776000	1948285	1959774	1820138	1749254	1850690	5.282
(2)	2863830	2936920	2902254	2711169	2582866	2799408	5.308
(3)	5493120	5539605	5570946	5481298	5399263	5496846	1.189
(4)	2848490	2910190	2907798	2814324	2752055	2846571	2.342
(5)	1933660	2006785	2038308	2019608	2018813	2003435	2.027
4 AROCLOR-1232 (1)	2402190	2122950	1940754	2061825	1785898	2062723	11.118
(2)	1412810	1279385	1162766	1209938	1083802	1229740	10.137
(3)	2409410	2297365	2251062	2273581	2175069	2281297	3.728
(4)	1324300	1222165	1164908	1203988	1113743	1205821	6.485
(5)	913460	855275	802322	813613	769247	830783	6.682
5 AROCLOR-1242 (1)	1757110	1605640	1587612	1393275	1387634	1546254	10.136
(2)	2495610	2322840	2242484	2012179	1962440	2207111	10.023
(3)	4466720	4291760	4273214	4149382	4084094	4253034	3.465
(4)	2406880	2278930	2247290	2092650	2096434	2224437	5.969
(5)	1876460	1762140	1716744	1630300	1619316	1720992	6.125
6 AROCLOR-1248 (1)	1286770	1233755	1223718	1114865	1057070	1183236	7.962
(2)	3039070	2936530	2879578	2764785	2673179	2858628	5.017
(3)	3242370	3087830	3083040	2949633	2910179	3054610	4.301
(4)	2835760	2744520	2743900	2733774	2674537	2746498	2.101
(5)	1597910	1529885	1484392	1462985	1430116	1501058	4.339
7 AROCLOR-1254 (1)	1987670	1952155	1801520	1747706	1693836	1836577	6.978
(2)	3536880	3450125	3262330	3189643	3097332	3307262	5.515
(3)	4967930	4854145	4694384	4599430	4496194	4722417	4.028
(4)	3391580	3270620	3154892	3116386	3076561	3202008	4.010
(5)	3183170	3134440	2889422	3030939	2999923	3047579	3.795

Report Date : 24-Apr-2002 05:48

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Cal Date : 24-Apr-2002 05:43 molm
 Curve Type : Average

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	RRF	% RSD
8 AROCLOR-1260 (1)	3554380	3413710	3277234	3258130	3213561	3343403	4.176
(2)	3718430	3622715	3463300	3395956	3424854	3525051	3.947
(3)	2595350	2506890	2422586	2409916	2392040	2465356	3.448
(4)	5708830	5607515	5517774	5539380	5614896	5597679	1.341
(5)	3140090	3057075	3014300	3028015	3033993	3054695	1.643
10 AROCLOR-1262 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
12 AROCLOR-1268 (1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++ |<-
\$ 1 TCMX	103470800	123813400	133321160	128437640	127638210	123336242	9.413
\$ 9 DCB	42793800	41133600	40578680	39976080	39839520	40864336	2.925

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\002B0201.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 15:32
 Operator : 1808
 Smp Info : 1232,,1,1
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.408	2.409	(-0.001)	240219 0.10000	0.1136	75.00- 125.00	100.00
2.728	2.730	(-0.002)	141281 0.10000	0.1107	44.93- 74.89	58.81
3.101	3.101	(0.000)	240941 0.10000	0.1047	86.99- 144.99	100.30
3.219	3.220	(-0.001)	132430 0.10000	0.1066	45.02- 75.03	55.13
3.678	3.679	(-0.001)	91346 0.10000	0.1077	31.01- 51.68	38.03
Average of Peak Amounts =				0.109		

Data File: \\gpcand04\dd\chem\GCSS\azhp4.1\0204231C-2.b\00280201.D
Date: 23-APR-2002 15:32

Client ID:

Sample Info: 1232,1,1

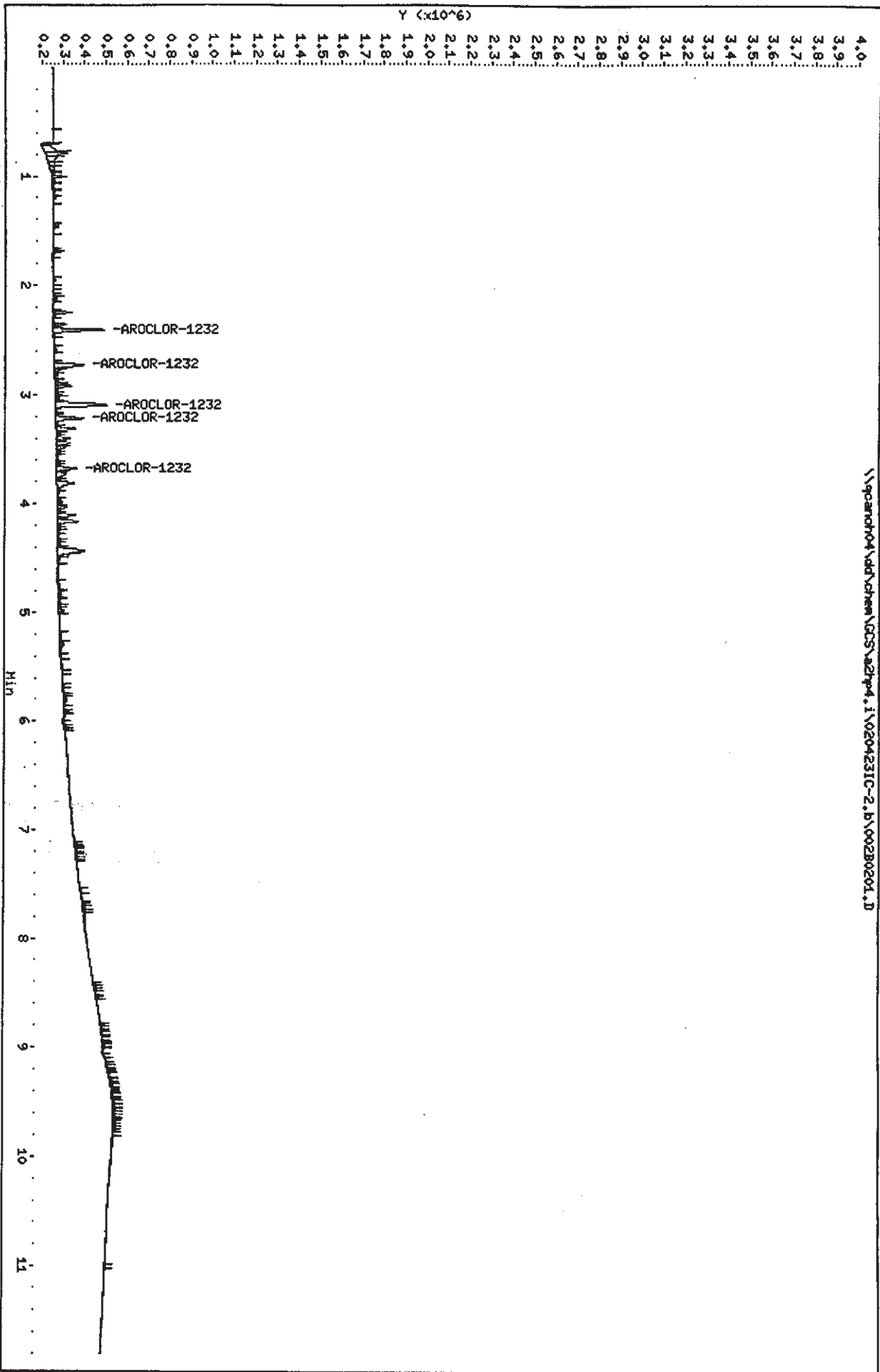
Column phase: restek post c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\gpcand04\dd\chem\GCSS\azhp4.1\0204231C-2.b\00280201.D



Data File: \\qpcardh04\dd\chem\GCs\azhp4.1\020423IC-2.p\00380301.D

Date: 23-APR-2002 15:49

Client ID:

Sample Info: 1232,1,2

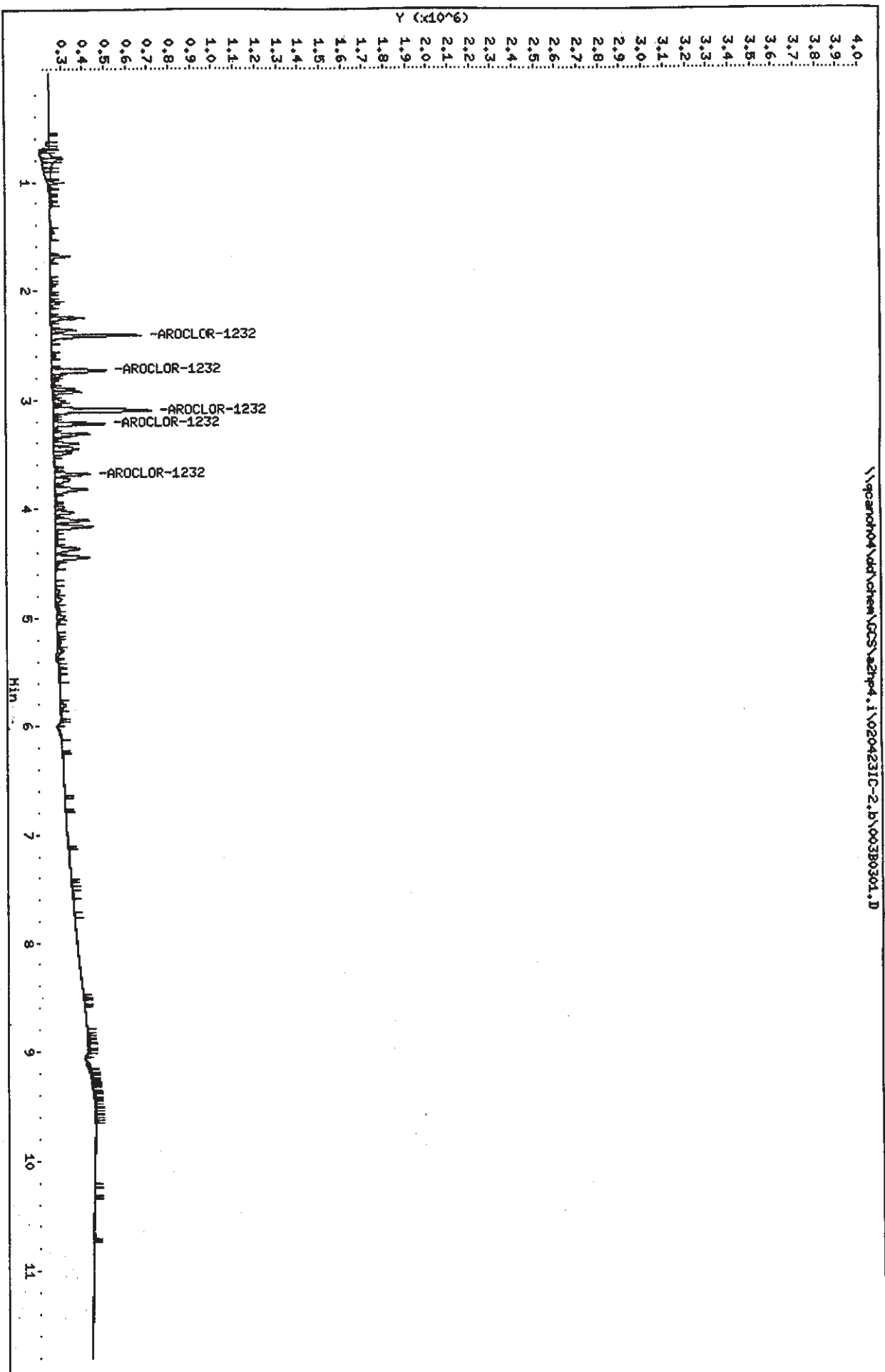
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcardh04\dd\chem\GCs\azhp4.1\020423IC-2.p\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\004B0401.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\004B0401.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 16:05
 Operator : 1808
 Smp Info : 1232,,1,3
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
..
4 AROCLOR-1232						CAS #: 11141-16-5			
2.408	2.409	(-0.001)	970377	0.50000	0.4702	75.00- 125.00	100.00		
2.730	2.730	(0.000)	581383	0.50000	0.4678	44.93- 74.89	59.91		
3.101	3.101	(0.000)	1125531	0.50000	0.4908	86.99- 144.99	115.99		
3.220	3.220	(0.000)	582454	0.50000	0.4773	45.02- 75.03	60.02		
3.679	3.679	(0.000)	401161	0.50000	0.4779	31.01- 51.68	41.34		
Average of Peak Amounts =					0.477				

Data File: \\qpcan004\vdv\chem\SCS\azhp4.1\0204231C-2.b\00480401.D
Date: 23-APR-2002 16:05

Client ID:

Sample Info: 1232,1,3

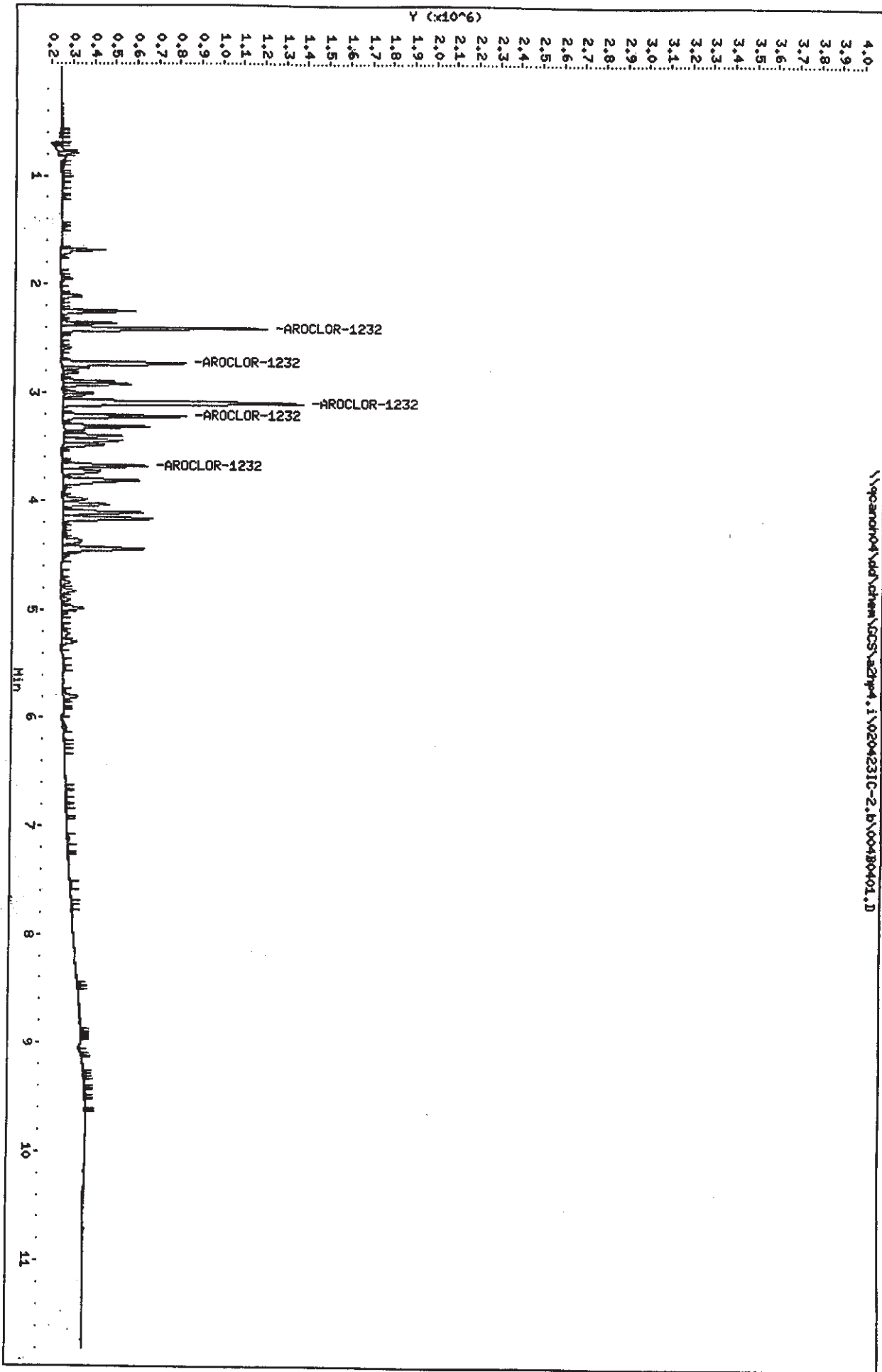
Column phases: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcan004\vdv\chem\SCS\azhp4.1\0204231C-2.b\00480401.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\005B0501.D
 Report Date: 24-Apr-2002 05:58

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\005B0501.D
 Lab Smp Id: 1232
 Inj Date : 23-APR-2002 16:22
 Operator : 1808
 Smp Info : 1232,,1,4
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.408	2.409	(-0.001)	2061825	1.00000	0.9866 75.00- 125.00	100.00
2.728	2.730	(-0.002)	1209938	1.00000	0.9697 44.93- 74.89	58.68
3.100	3.101	(-0.001)	2273581	1.00000	0.9876 86.99- 144.99	110.27
3.218	3.220	(-0.002)	1203988	1.00000	0.9854 45.02- 75.03	58.39
3.678	3.679	(-0.001)	813613	1.00000	0.9689 31.01- 51.68	39.46
Average of Peak Amounts =				0.98		

Data File: \\qpcan04\add\chem\GC5\azhp4.i\020423IC-2.b\00580501.D
Date: 23-SEP-2002 16:22

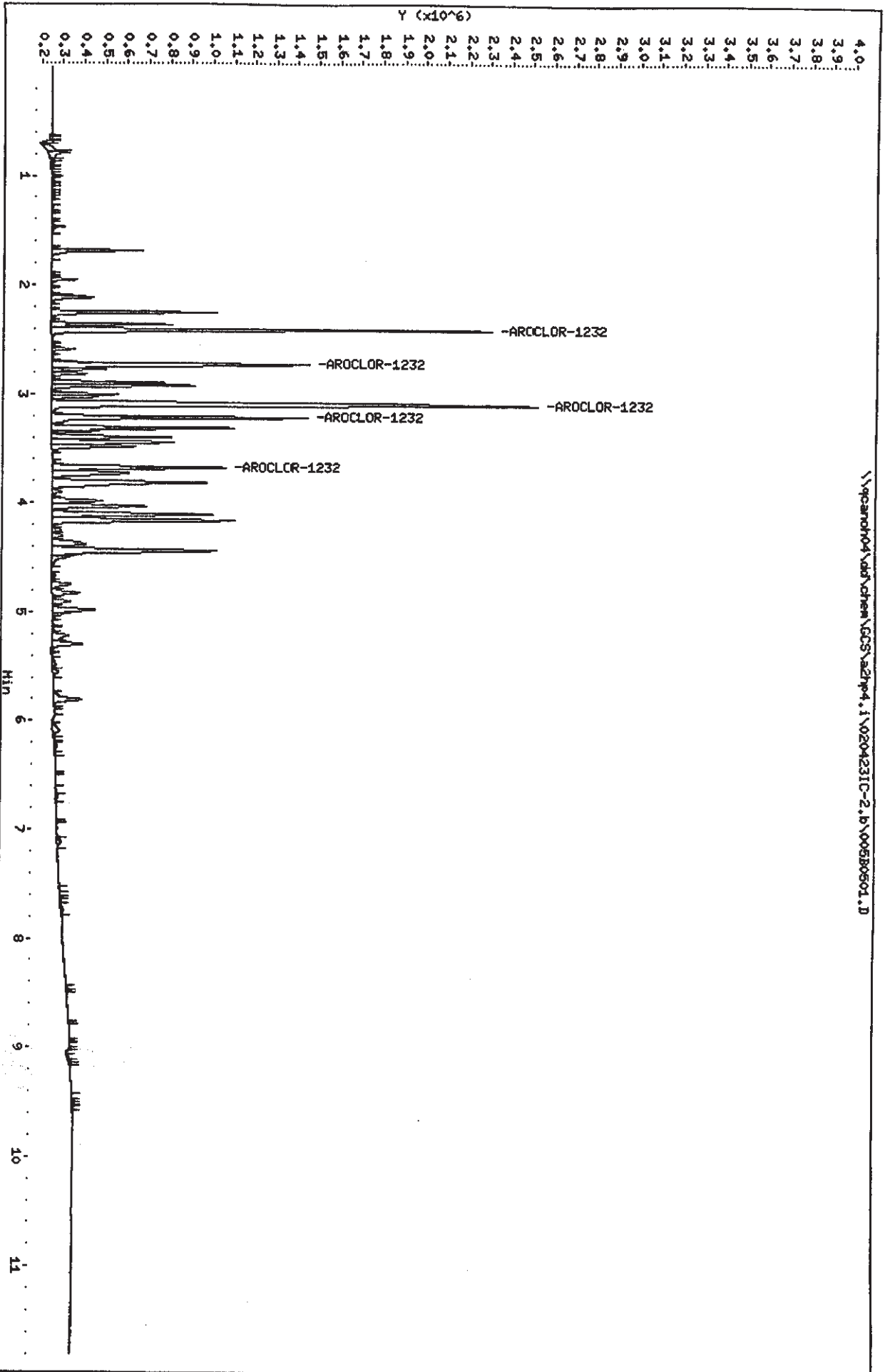
Client ID:
Sample Info: 1232,,1,4

Column phase: restek_pest_clp1

Instrument: azhp4.i

Operator: 1808
Column diameter: 0.53

\\qpcan04\add\chem\GC5\azhp4.i\020423IC-2.b\00580501.D



Data File: \\qparnot04\vdh\chem\DCS\azhp4.i\020423IC-2.b\00680601.D
Date: 23-APR-2002 16:38

Client ID:

Sample Info: 1232,1.5

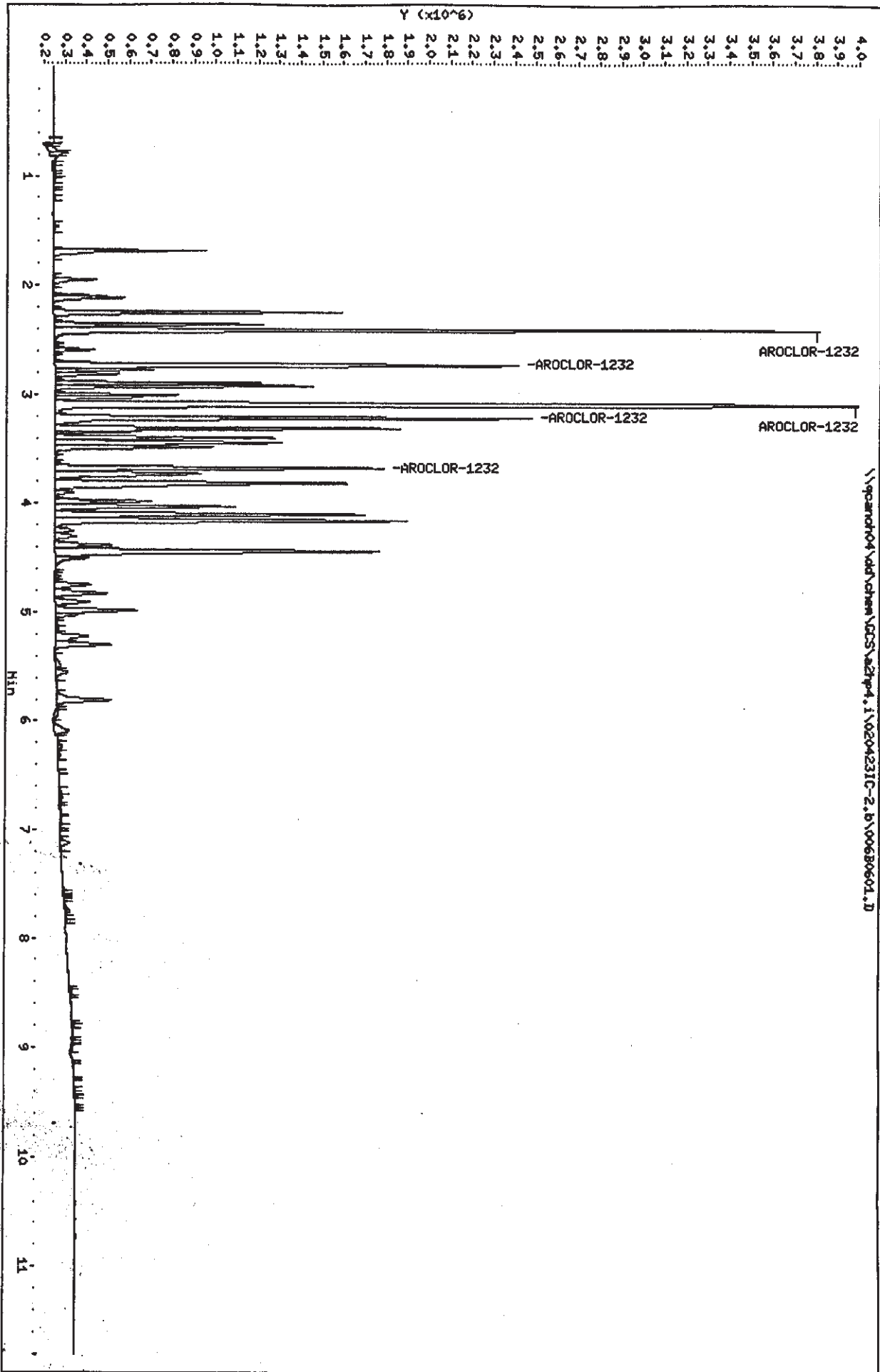
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\qparnot04\vdh\chem\DCS\azhp4.i\020423IC-2.b\00680601.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\007B0701.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\007B0701.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 16:55
 Operator : 1808
 Smp Info : 1242,,1,1
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.409	2.407	(0.002)	175711	0.10000	0.1174 75.00- 125.00	100.00
2.729	2.729	(0.000)	249561	0.10000	0.1150 105.94- 176.56	142.03
3.100	3.101	(-0.001)	446672	0.10000	0.1093 201.87- 336.45	254.21
3.219	3.219	(0.000)	240688	0.10000	0.1105 106.16- 176.94	136.98
3.678	3.678	(0.000)	187646	0.10000	0.1116 81.10- 135.17	106.79
Average of Peak Amounts =				0.113		

Data File: \\veganoh4\dd\chem\GCOS\azhp4.1\020423IC-2.B\00780701.D

Date: 23-APR-2002 16:55

Client ID:

Sample Info: 1242,1,1

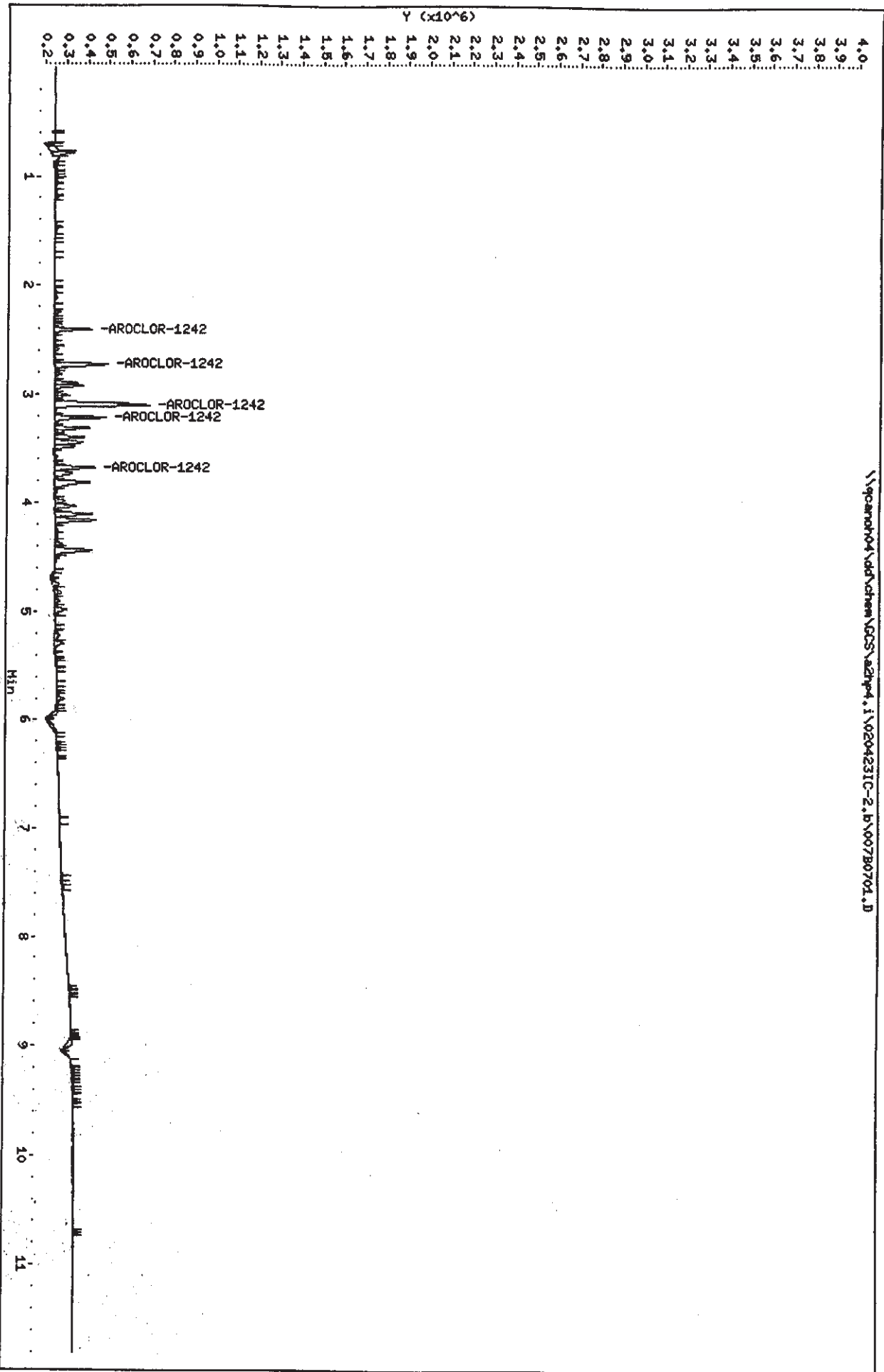
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\veganoh4\dd\chem\GCOS\azhp4.1\020423IC-2.B\00780701.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\008B0801.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\008B0801.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:11
 Operator : 1808
 Smp Info : 1242,,1,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
..
5 AROCLOR-1242			CAS #: 53469-21-9			
2.409	2.407	(0.002)	321128 0.20000	0.2180	75.00- 125.00	100.00
2.729	2.729	(0.000)	464568 0.20000	0.2174	105.94- 176.56	144.67
3.100	3.101	(-0.001)	858352 0.20000	0.2117	201.87- 336.45	267.29
3.219	3.219	(0.000)	455786 0.20000	0.2120	106.16- 176.94	141.93
3.679	3.678	(0.001)	352428 0.20000	0.2122	81.10- 135.17	109.75
Average of Peak Amounts =				0.214		

Data File: \\pcanoh04\ad\chem\GC5\adhp4.i\020423IC-2.B\008B0801.D
Date : 23-APR-2002 17:11

Client ID:

Sample Info: 1242,,1,2

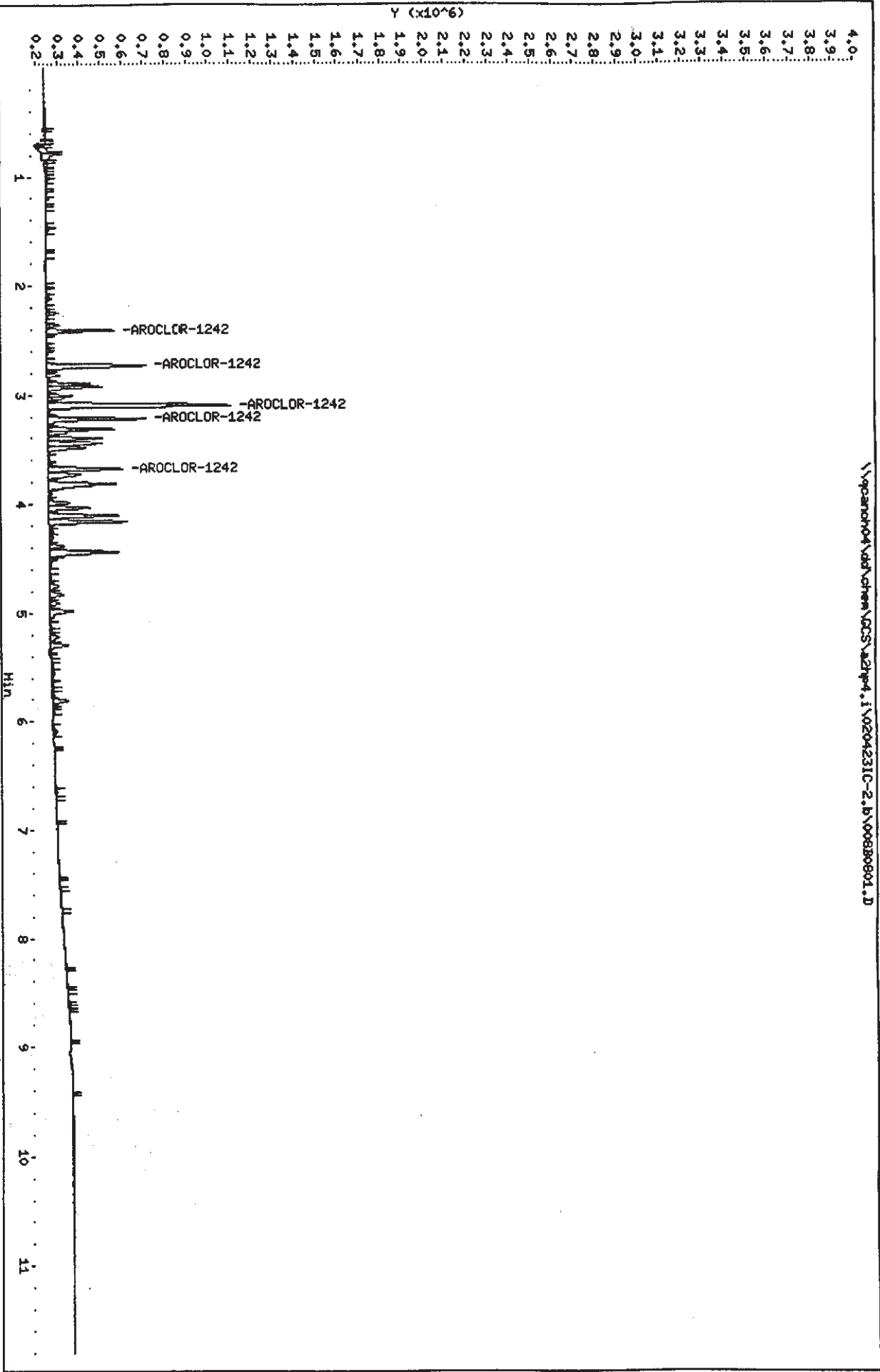
Column phase: restek pest c1p1

Instrument: adhp4.i

Operator: 1808

Column diameter: 0.53

\\pcanoh04\ad\chem\GC5\adhp4.i\020423IC-2.B\008B0801.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\009B0901.D
 Report Date: 24-Apr-2002 05:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\009B0901.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:28
 Operator : 1808
 Smp Info : 1242,,1,3
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9				
2.408	2.407	(0.001)	793806	0.50000	0.5202	75.00- 125.00	100.00
2.728	2.729	(-0.001)	1121242	0.50000	0.5096	105.94- 176.56	141.25
3.100	3.101	(-0.001)	2136607	0.50000	0.5105	201.87- 336.45	269.16
3.218	3.219	(-0.001)	1123645	0.50000	0.5082	106.16- 176.94	141.55
3.678	3.678	(0.000)	858372	0.50000	0.5026	81.10- 135.17	108.13
Average of Peak Amounts =				0.51			

Data File: \\pcan04\add\chem\GC5\azhp4.1\020423IC-2.b\00980901.D

Date : 23-APR-2002 17:28

Client ID:

Sample Info: 1242,1,3

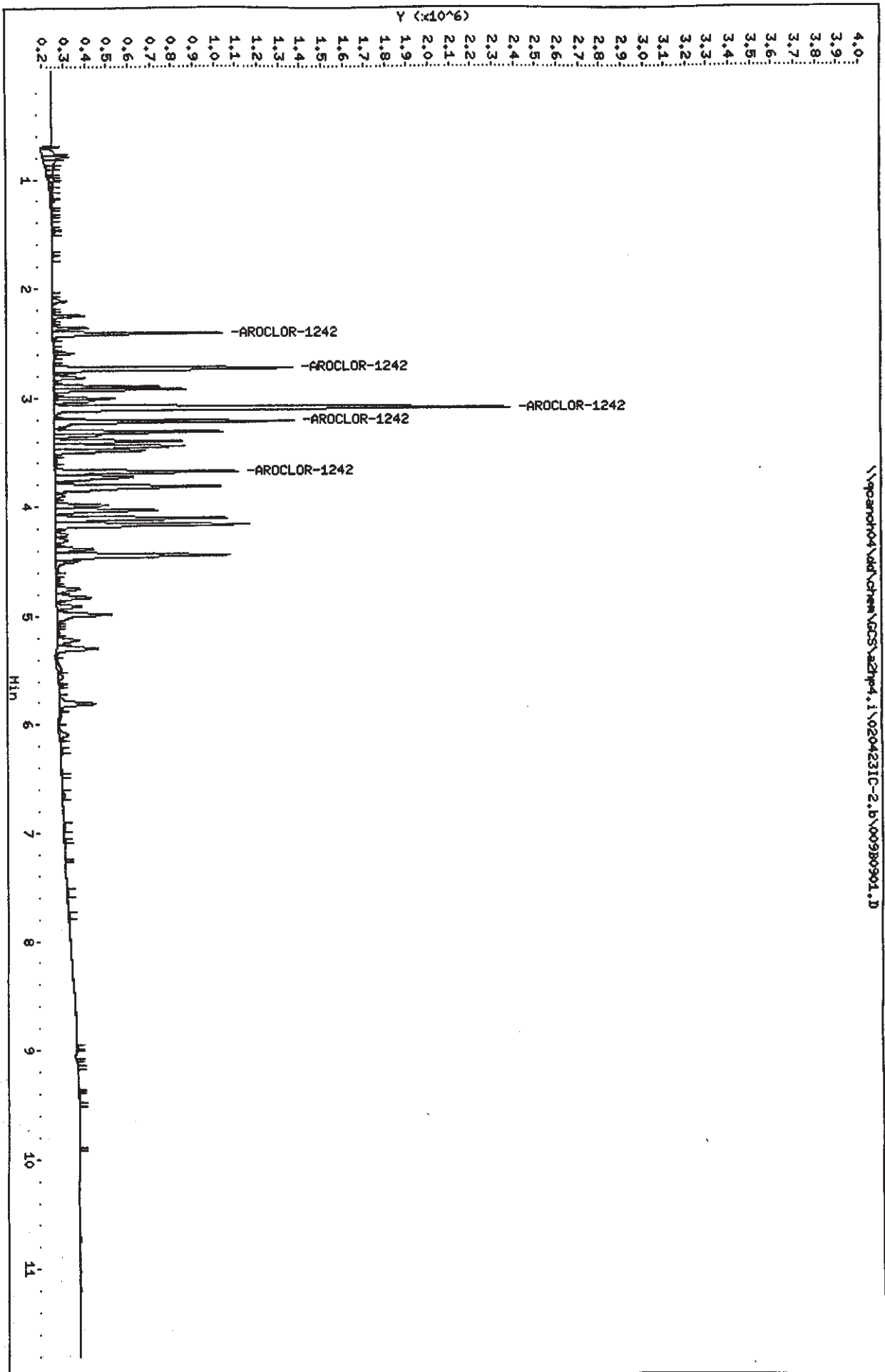
Column phase: restek pest clip1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcan04\add\chem\GC5\azhp4.1\020423IC-2.b\00980901.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\010B1001.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\010B1001.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 17:44
 Operator : 1808
 Smp Info : 1242,,1,4
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.409	2.407	(0.002)	1393275	1.00000	0.9017 75.00- 125.00	100.00
2.730	2.729	(0.001)	2012179	1.00000	0.9088 105.94- 176.56	144.42
3.101	3.101	(0.000)	4149382	1.00000	0.9800 201.87- 336.45	297.82
3.220	3.219	(0.001)	2092650	1.00000	0.9409 106.16- 176.94	150.20
3.679	3.678	(0.001)	1630300	1.00000	0.9468 81.10- 135.17	117.01
Average of Peak Amounts =				0.936		

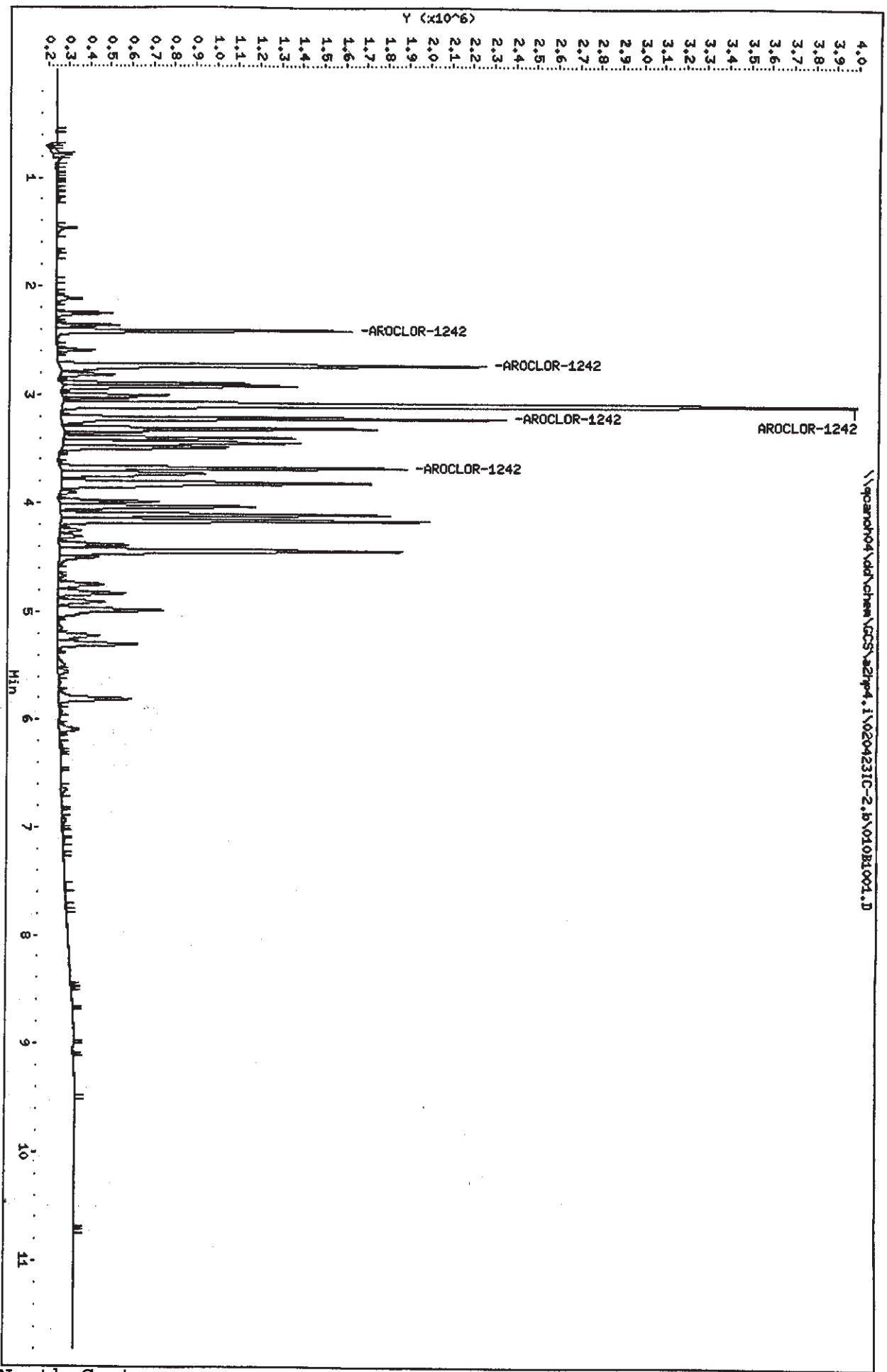
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Date: 23-APR-2002 17:44

Client ID:
Sample Info: 1242,1,4

Column phase: nestek pest c1p1

Instrument: szhp4.i

Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\011B1101.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\011B1101.D
 Lab Smp Id: 1242
 Inj Date : 23-APR-2002 18:01
 Operator : 1808
 Smp Info : 1242,,1,5
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
..	.....	.....	RESPONSE (ng)	(ng)	.....	.....
5 AROCLOR-1242						
2.407	2.407	(0.000)	2775267	2.00000	1.795 75.00- 125.00	100.00
2.729	2.729	(0.000)	3924879	2.00000	1.778 105.94- 176.56	141.42
3.101	3.101	(0.000)	8168187	2.00000	1.920 201.87- 336.45	294.32
3.219	3.219	(0.000)	4192868	2.00000	1.885 106.16- 176.94	151.08
3.678	3.678	(0.000)	3238632	2.00000	1.882 81.10- 135.17	116.70
Average of Peak Amounts =				1.85		

Data File: \\qpcan04\dd\chem\GCSS\azhp4.1\020423IC-2.b\01181101.D
Date: 23-APR-2002 18:01

Client ID:

Sample Info: 1242,1,5

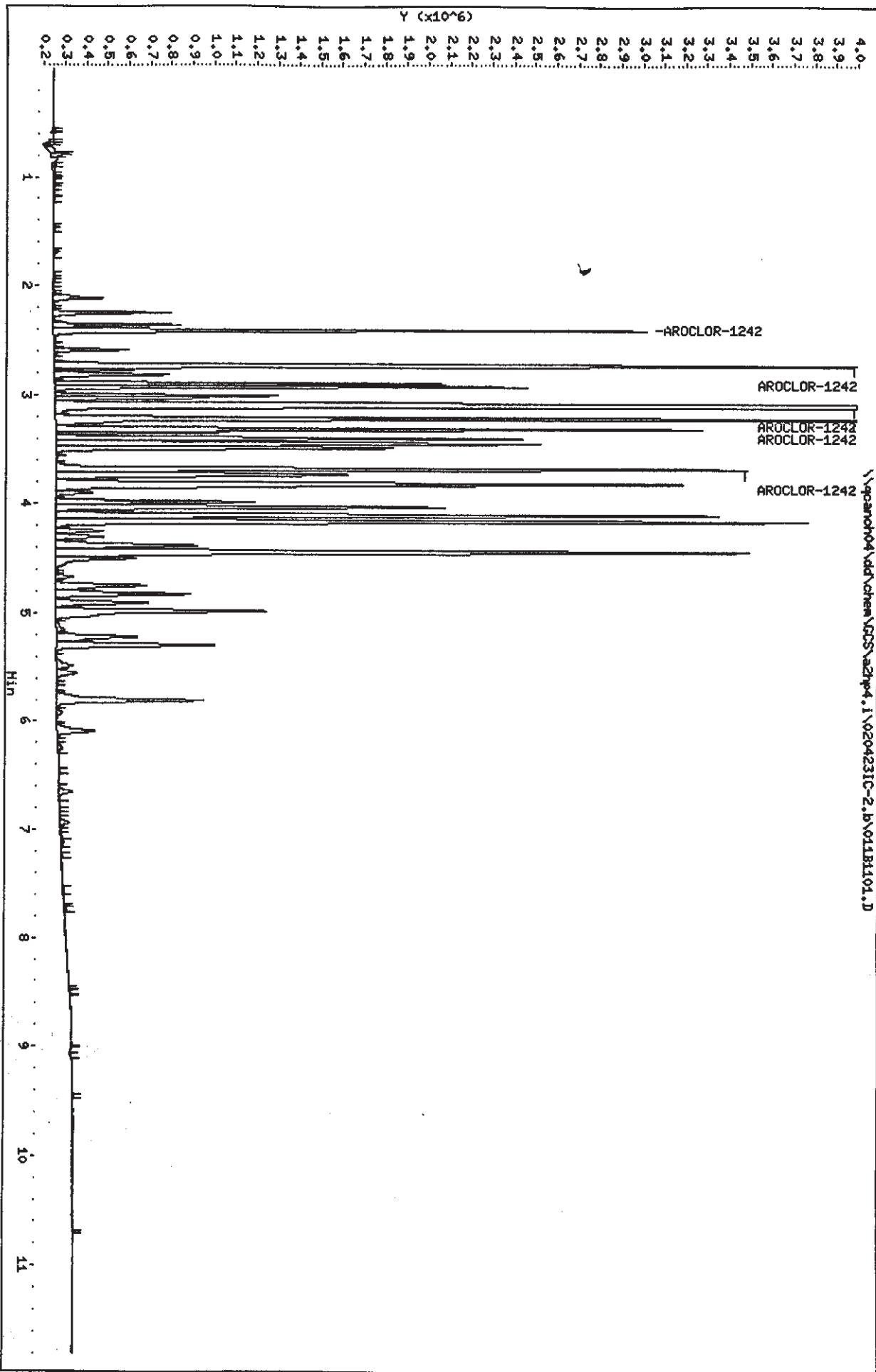
Column phase: restek pest c/p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcan04\dd\chem\GCSS\azhp4.1\020423IC-2.b\01181101.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\012B1201.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\012B1201.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 18:17
 Operator : 1808
 Smp Info : 1248,,1,1
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.729	2.728	(0.001)	128677	0.10000	0.1046 75.00- 125.00	100.00
3.678	3.678	(0.000)	303907	0.10000	0.1055 176.49- 294.14	236.18
4.105	4.106	(-0.001)	324237	0.10000	0.1092 188.96- 314.93	251.98
4.441	4.441	(0.000)	283576	0.10000	0.1061 168.17- 280.28	220.38
4.985	4.985	(0.000)	159791	0.10000	0.1093 90.98- 151.63	124.18
Average of Peak Amounts =				0.107		

Data File: \\sparan04\add\chem\GC5\adhp4.1\0204231C-2.b\01281201.D

Date: 23-09-2002 18:17

Client ID:

Sample Info: 1248,1,1

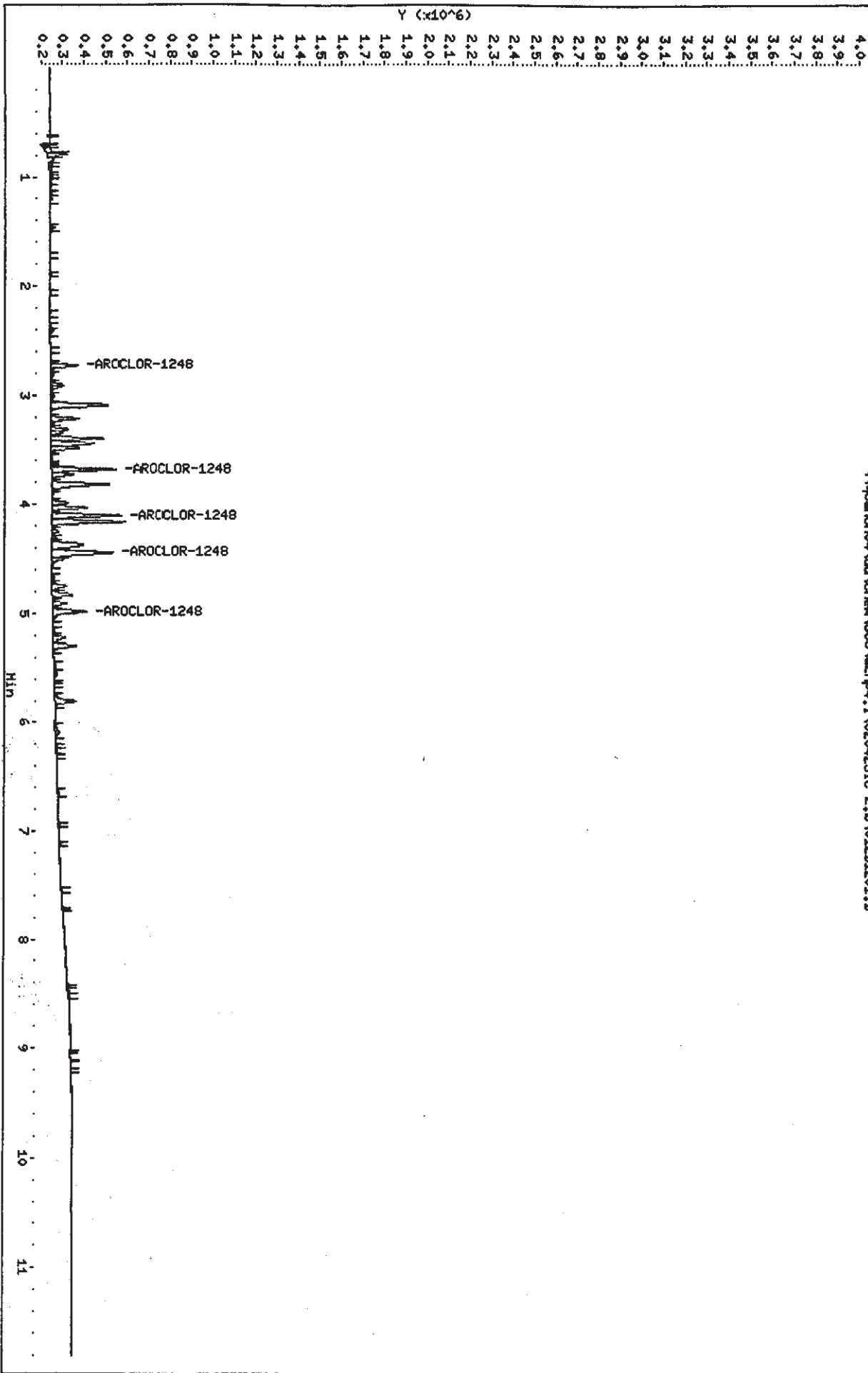
Column phase: restek pest c1p1

Instrument: adhp4.i

Operator: 1808

Column diameter: 0.53

\\sparan04\add\chem\GC5\adhp4.1\0204231C-2.b\01281201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\013B1301.D
 Report Date: 24-Apr-2002 06:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\013B1301.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 18:34
 Operator : 1808
 Smp Info : 1248,,1,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
--	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.728	2.728	(0.000)	246751 0.20000	0.2052	75.00- 125.00	100.00
3.679	3.678	(0.001)	587306 0.20000	0.2055	176.49- 294.14	238.02
4.104	4.106	(-0.002)	617566 0.20000	0.2062	188.96- 314.93	250.28
4.441	4.441	(0.000)	548904 0.20000	0.2036	168.17- 280.28	222.45
4.984	4.985	(-0.001)	305977 0.20000	0.2085	90.98- 151.63	124.00
Average of Peak Amounts =				0.206		

Data File: \\qpcar04\dd\chem\CCS\azhp4.1\0204231C-2.b\01381301.D
Date: 23-APR-2002 18:34

Client ID:

Sample Info: 1248,1,2

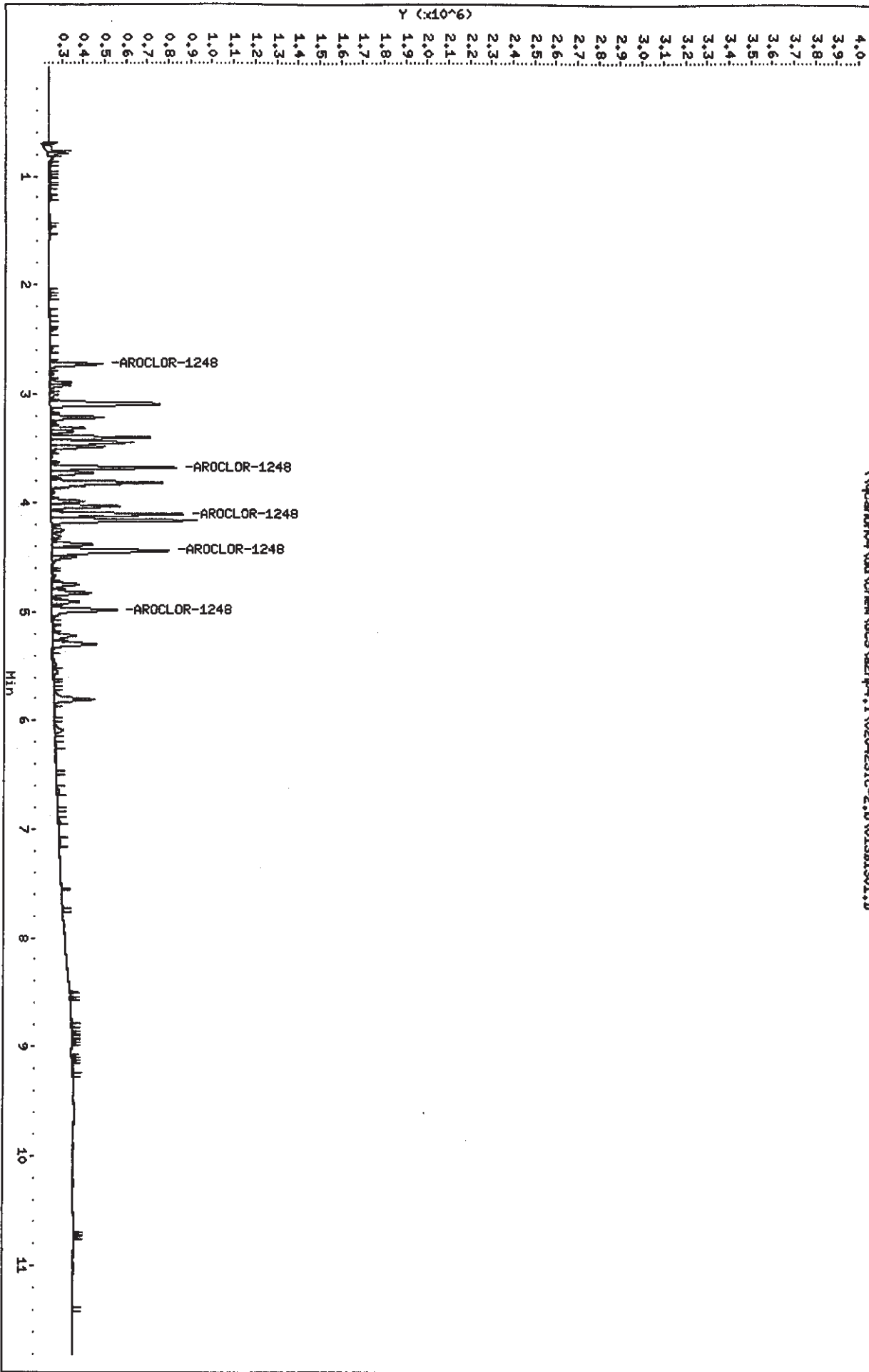
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\qpcar04\dd\chem\CCS\azhp4.1\0204231C-2.b\01381301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\014B1401.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\014B1401.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 18:51
 Operator : 1808
 Smp Info : 1248,,1,3
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.728	2.728	(0.000)	611859 0.50000	0.5003	75.00- 125.00	100.00
3.678	3.678	(0.000)	1439789 0.50000	0.4954	176.49- 294.14	235.31
4.104	4.106	(-0.002)	1541520 0.50000	0.5013	188.96- 314.93	251.94
4.440	4.441	(-0.001)	1371950 0.50000	0.4966	168.17- 280.28	224.23
4.984	4.985	(-0.001)	742196 0.50000	0.4934	90.98- 151.63	121.30
Average of Peak Amounts =				0.497		

Data File: \\yqar04\04\chem\GC5\21p4.i\0204231C-2.b\01481401.D

Date: 23-APR-2002 18:51

Client ID:

Sample Info: 1248,1,3

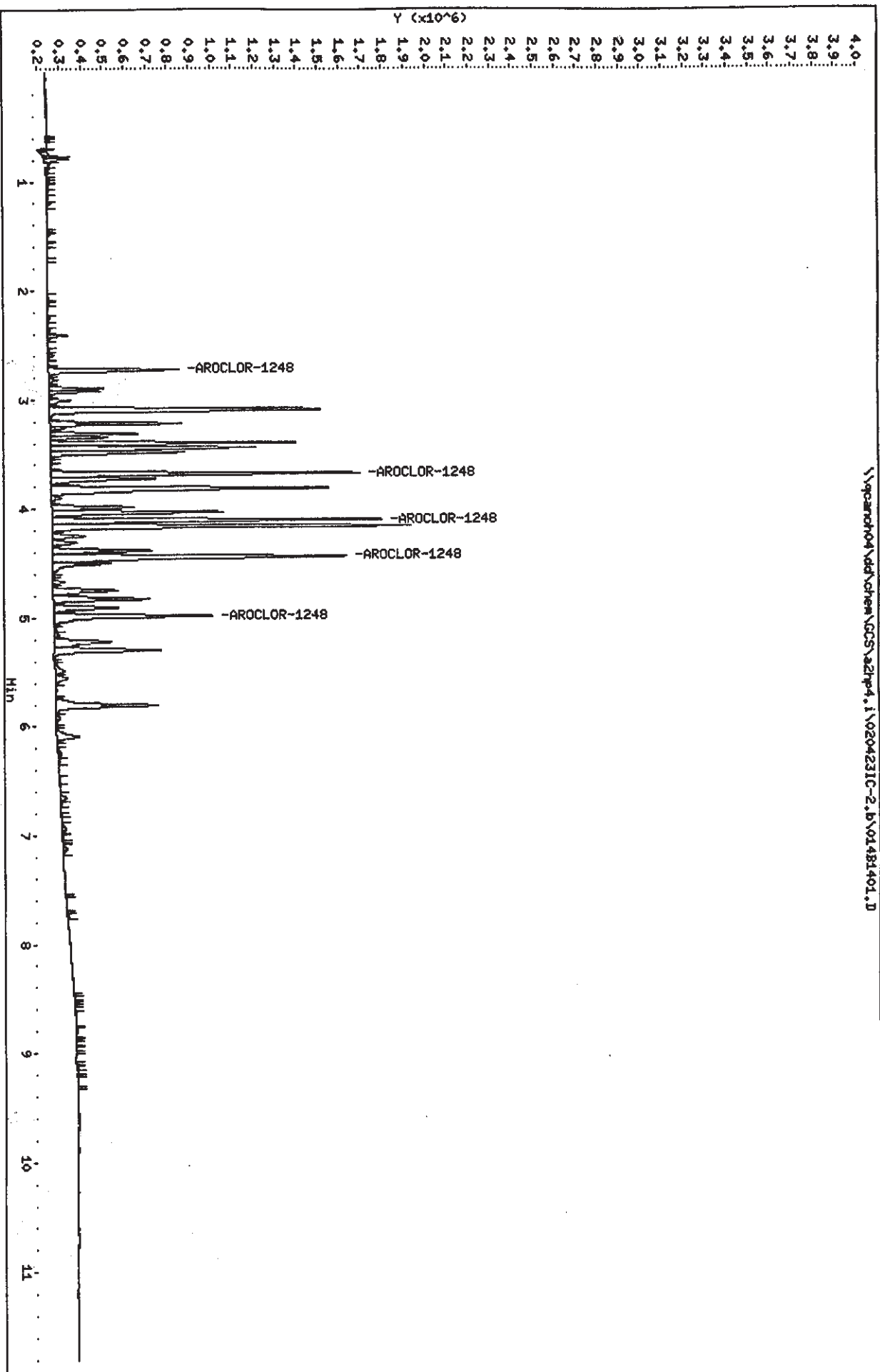
Column phase: restek pest c1p1

Instrument: 21p4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\015B1501.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\015B1501.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 19:07
 Operator : 1808
 Smp Info : 1248,,1,4
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
--	-----	-----	-----	-----	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.728	2.728	(0.000)	1114865	1.00000	0.9275	75.00- 125.00 100.00
3.679	3.678	(0.001)	2764785	1.00000	0.9609	176.49- 294.14 247.99
4.106	4.106	(0.000)	2949633	1.00000	0.9664	188.96- 314.93 264.57
4.442	4.441	(0.001)	2733774	1.00000	0.9967	168.17- 280.28 245.21
4.985	4.985	(0.000)	1462985	1.00000	0.9769	90.98- 151.63 131.23
Average of Peak Amounts =				0.966		

Data File: \\vapor04\dd\chem\GC5\azhp4.1\020423IC-2.b\01531501.D
Date: 23-APR-2002 19:07
Client ID:

Sample Info: 1248,1,4

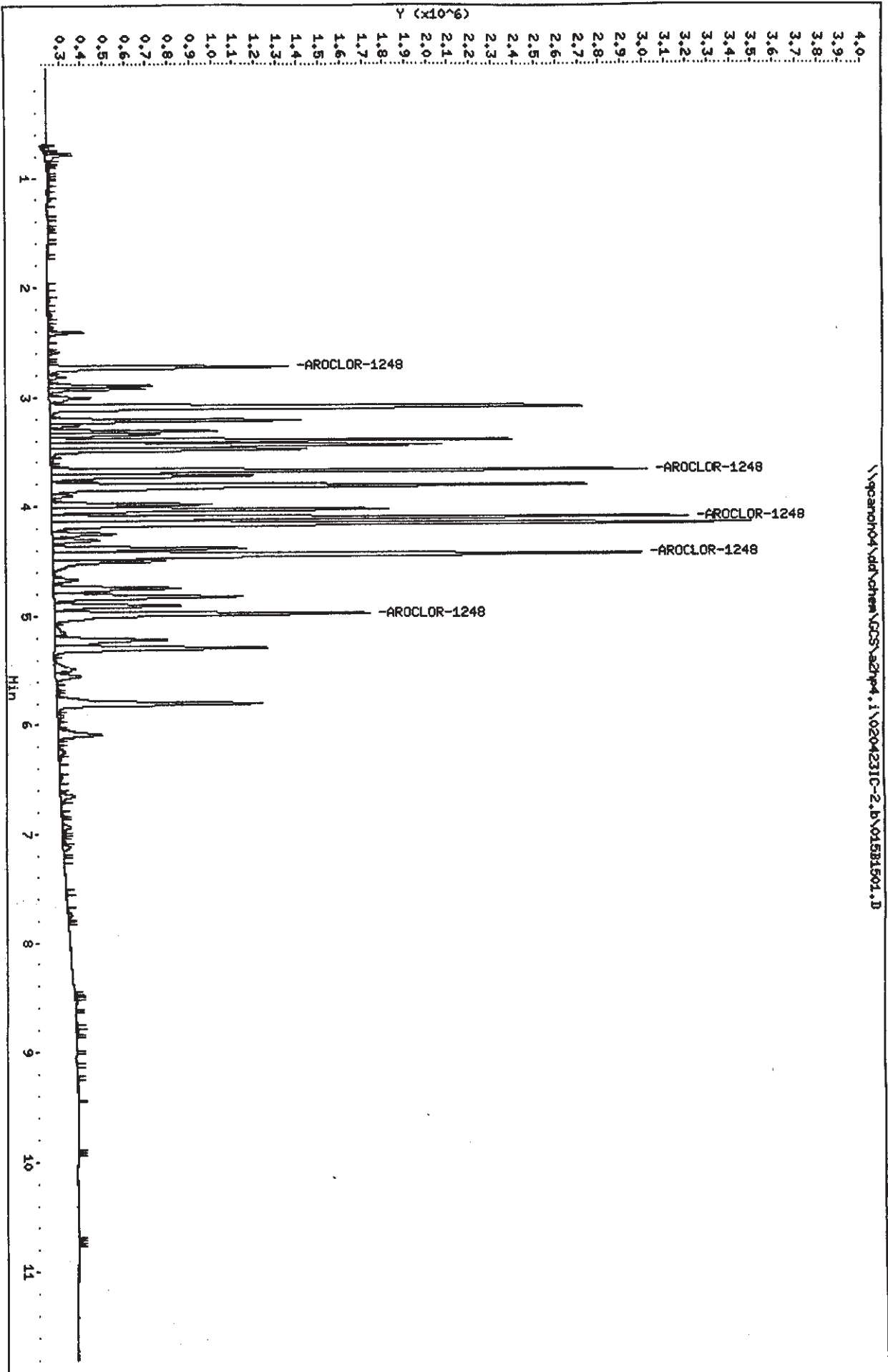
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\vapor04\dd\chem\GC5\azhp4.1\020423IC-2.b\01531501.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\016B1601.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\016B1601.D
 Lab Smp Id: 1248
 Inj Date : 23-APR-2002 19:24
 Operator : 1808
 Smp Info : 1248,,1,5
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL (ng)	TARGET RANGE
---	-----	-----	-----	-----	-----	-----
6 AROCLOR-1248			CAS #: 12672-29-6			
2.728	2.728	(0.000)	2114140	2.00000	1.787	75.00- 125.00
3.678	3.678	(0.000)	5346358	2.00000	1.870	176.49- 294.14
4.106	4.106	(0.000)	5820358	2.00000	1.905	188.96- 314.93
4.441	4.441	(0.000)	5349073	2.00000	1.948	168.17- 280.28
4.985	4.985	(0.000)	2860232	2.00000	1.905	90.98- 151.63
Average of Peak Amounts =					1.88	

Data File: \\pcan04\vd\chem\GC5\azhp4.1\020423IC-2.b\016B1601.D
Date : 23-APR-2002 19:24

Client ID:

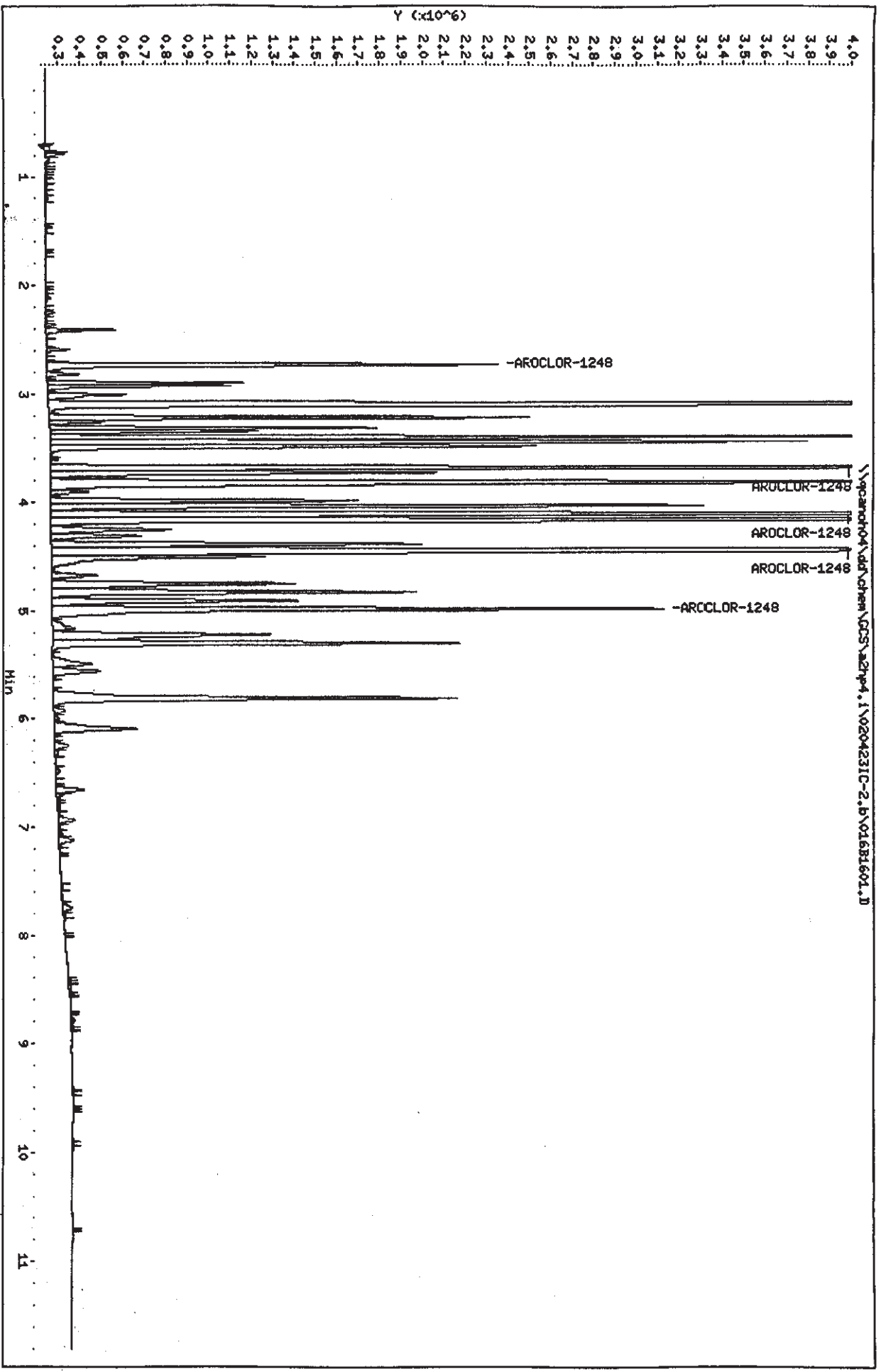
Sample Info: 1248,,1,5

Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\017B1701.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\017B1701.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 19:40
 Operator : 1808
 Smp Info : 2154,,1,1
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 1
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
*****	*****	*****	RESPONSE (ng)	(ng)	*****	*****
7 AROCLOR-1254			CAS #: 11097-69-1			
3.400	3.399	(0.001)	198767	0.10000	0.07095 75.00- 125.00	100.00
4.383	4.381	(0.002)	353688	0.10000	0.07213 135.82- 226.36	177.94
4.985	4.984	(0.001)	496793	0.10000	0.07170 195.43- 325.72	249.94
5.298	5.296	(0.002)	339158	0.10000	0.07572 131.34- 218.90	170.63
6.091	6.090	(0.001)	318317	0.10000	0.07140 120.29- 200.49	160.15
Average of Peak Amounts =			0.0724			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.248	2.248	(0.000)	122741	0.10000	0.07206 75.00- 125.00	100.00
2.359	2.359	(0.000)	81673	0.10000	0.07310 49.72- 82.87	66.54
2.408	2.408	(0.000)	270693	0.10000	0.07431 162.32- 270.53	220.54
Average of Peak Amounts =			0.0732			

Data File: \\qcar04\04\chem\GC5\21p4.1\020423IC-2.b\01781701.D
Date: 23-09-2002 19:40

Client ID:

Sample Info: 2154,1,1

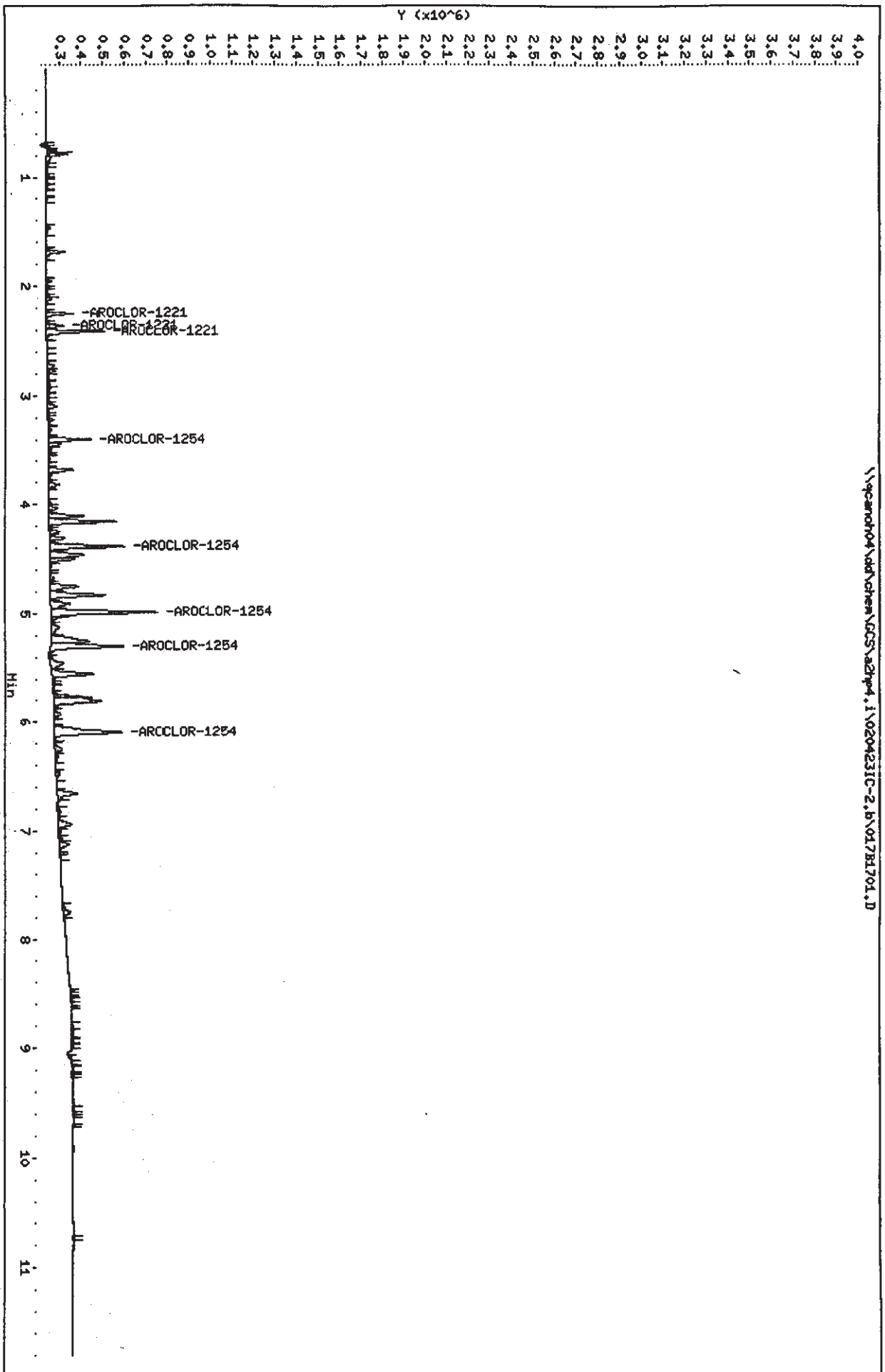
Column Phase: restek pest c1p1

Instrument: 21p4.1

Operator: 1808

Column diameter: 0.53

\\qcar04\04\chem\GC5\21p4.1\020423IC-2.b\01781701.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\018B1801.D
 Report Date: 24-Apr-2002 06:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\018B1801.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 19:57
 Operator : 1808
 Smp Info : 2154,,1,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 2
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.400	3.399	(0.001)	390431 0.20000	0.1522	75.00- 125.00	100.00
4.382	4.381	(0.001)	690025 0.20000	0.1520	135.82- 226.36	176.73
4.984	4.984	(0.000)	970829 0.20000	0.1504	195.43- 325.72	248.66
5.298	5.296	(0.002)	654124 0.20000	0.1542	131.34- 218.90	167.54
6.091	6.090	(0.001)	626888 0.20000	0.1499	120.29- 200.49	160.56
Average of Peak Amounts =			0.152			

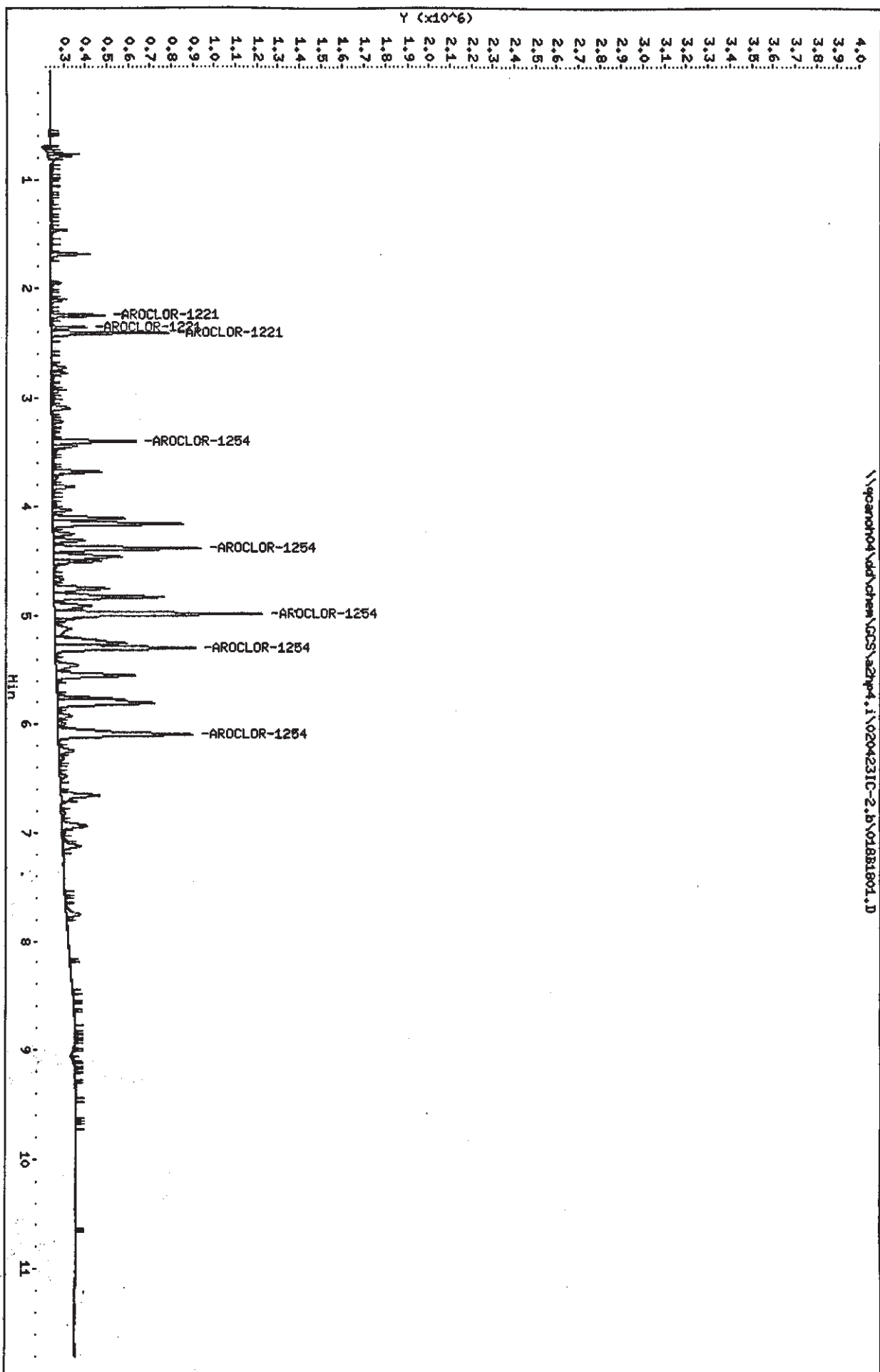
2 AROCLOR-1221			CAS #: 11104-28-2			
2.249	2.248	(0.001)	250777 0.20000	0.1612	75.00- 125.00	100.00
2.359	2.359	(0.000)	168792 0.20000	0.1654	49.72- 82.87	67.31
2.409	2.408	(0.001)	552888 0.20000	0.1654	162.32- 270.53	220.47
Average of Peak Amounts =			0.164			

Data File: \\pcanorh04\vdh\chem\GC5\azhp4.i\020423IC-2.b\018B1801.D
Date : 23-APR-2002 19:57

Client ID:
Sample Info: 2154,1.2
Column phase: restek pest c1p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53

\\pcanorh04\vdh\chem\GC5\azhp4.i\020423IC-2.b\018B1801.D



Data File: \\gcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\019B1901.D
 Report Date: 24-Apr-2002 06:02

STL - North Canton

Data file : \\gcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\019B1901.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:13
 Operator : 1808
 Smp Info : 2154,,1,3
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 10:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 3
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.400	3.399	(0.001)	900760 0.50000	0.3906	75.00- 125.00	100.00
4.383	4.381	(0.002)	1631165 0.50000	0.3987	135.82- 226.36	181.09
4.985	4.984	(0.001)	2347192 0.50000	0.4027	195.43- 325.72	260.58
5.298	5.296	(0.002)	1577446 0.50000	0.4091	131.34- 218.90	175.12
6.091	6.090	(0.001)	1444711 0.50000	0.3873	120.29- 200.49	160.39
Average of Peak Amounts =				0.398		

2 AROCLOR-1221			CAS #: 11104-28-2			
2.249	2.248	(0.001)	573931 0.50000	0.4076	75.00- 125.00	100.00
2.360	2.359	(0.001)	380492 0.50000	0.4118	49.72- 82.87	66.30
2.409	2.408	(0.001)	1242145 0.50000	0.4101	162.32- 270.53	216.43
Average of Peak Amounts =				0.41		

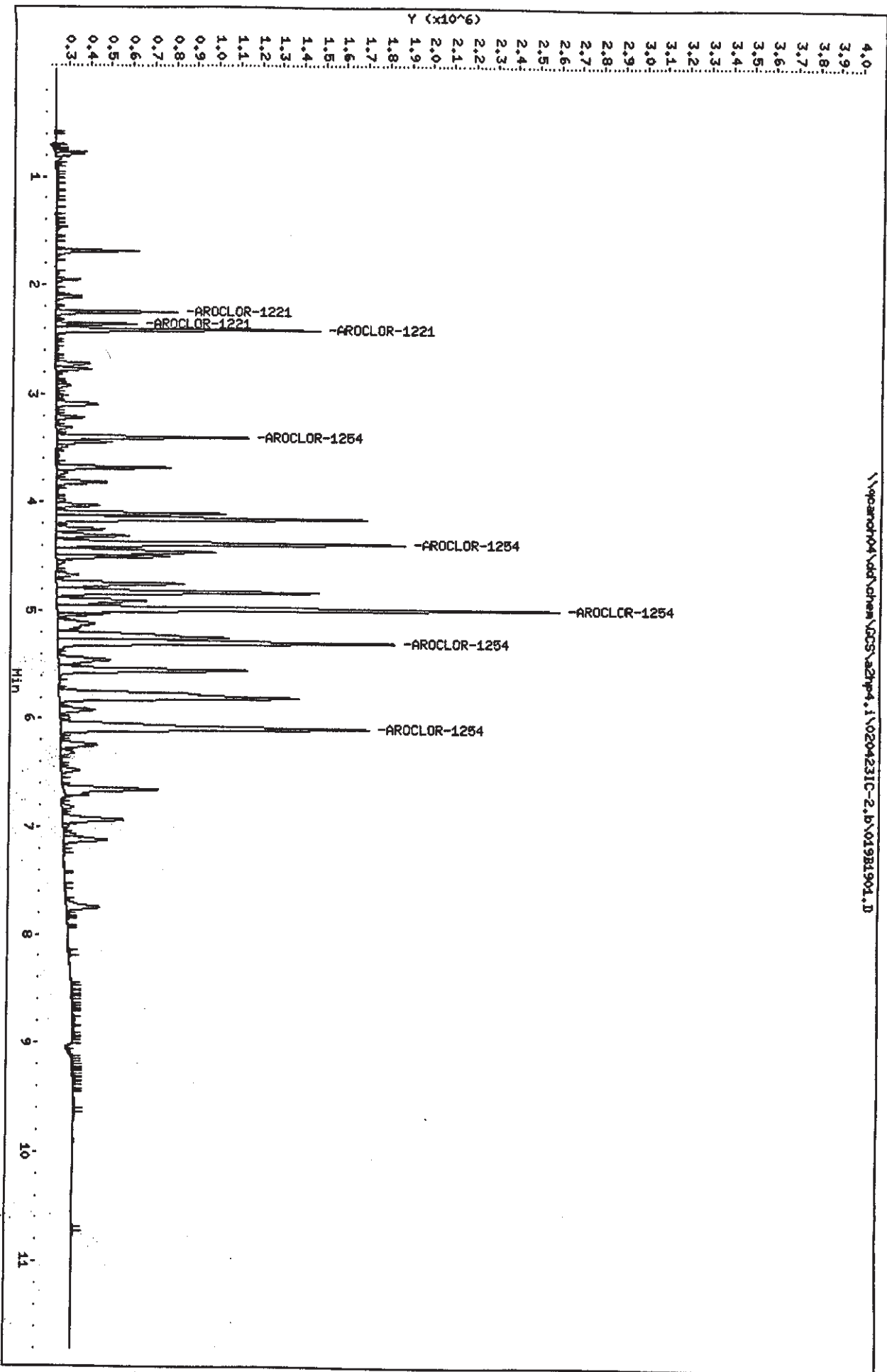
Data File: \\gsanoh04\ddt\chem\GCS\adhp4.i\020423IC-2.b\019B1901.D
Date: 23-APR-2002 20:13

Client ID:
Sample Info: 2154,,1,3

Column phase: restek pest c1p1

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Instrument: adhp4.i
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\020B2001.D
 Report Date: 24-Apr-2002 06:02

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Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\020B2001.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:30
 Operator : 1808
 Smp Info : 2154,,1,4
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:08
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 4
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

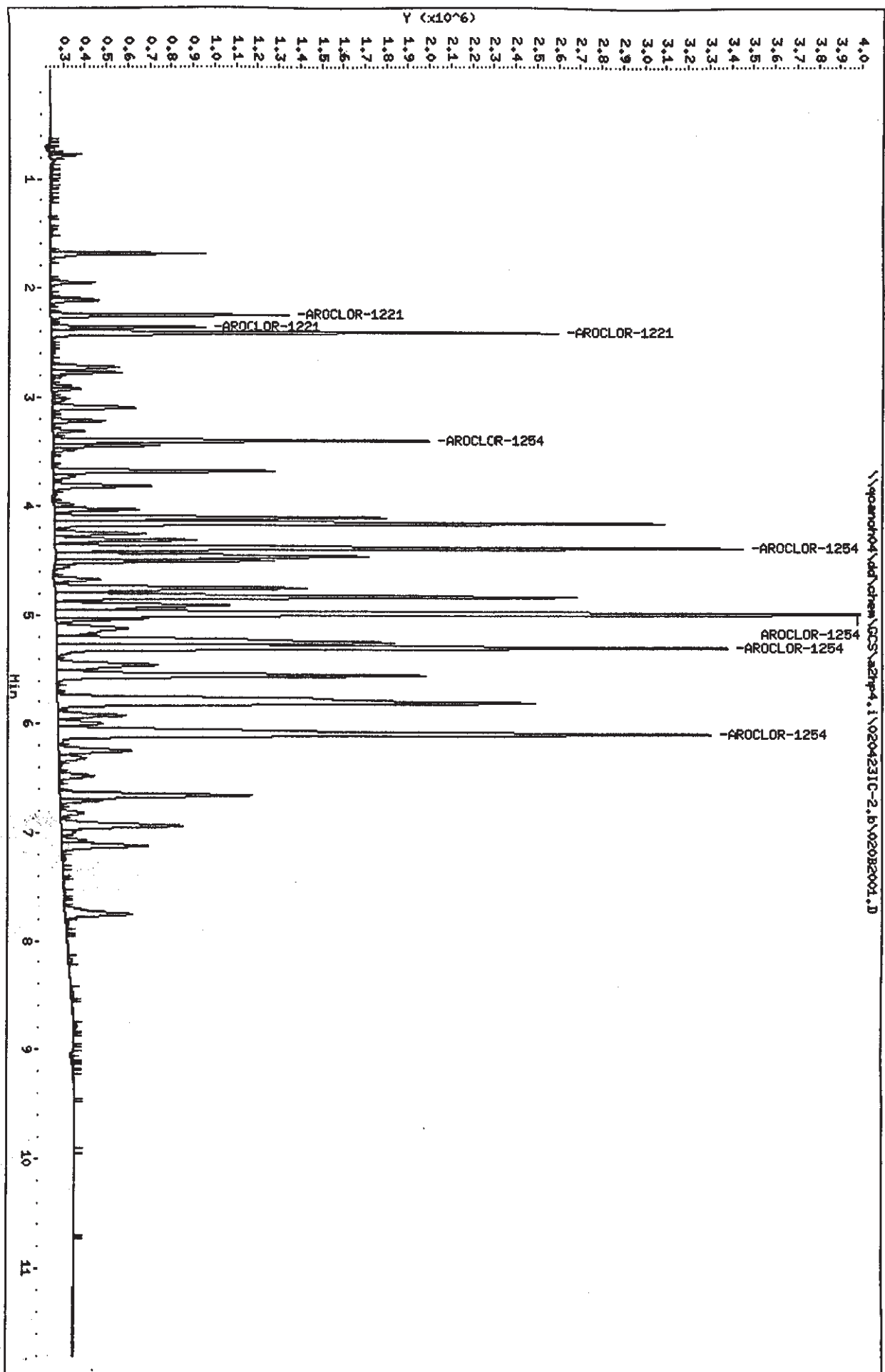
AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254			CAS #: 11097-69-1			
3.400	3.399	(0.001)	1747706	1.00000	0.8404 75.00- 125.00	100.00
4.383	4.381	(0.002)	3189643	1.00000	0.8569 135.82- 226.36	182.50
4.985	4.984	(0.001)	4599430	1.00000	0.8618 195.43- 325.72	263.17
5.298	5.296	(0.002)	3116386	1.00000	0.8686 131.34- 218.90	178.31
6.090	6.090	(0.000)	3030939	1.00000	0.8810 120.29- 200.49	173.42
Average of Peak Amounts =			0.862			

2 AROCLOR-1221			CAS #: 11104-28-2			
2.248	2.248	(0.000)	1108264	1.00000	0.8667 75.00- 125.00	100.00
2.359	2.359	(0.000)	721813	1.00000	0.8573 49.72- 82.87	65.13
2.408	2.408	(0.000)	2355641	1.00000	0.8523 162.32- 270.53	212.85
Average of Peak Amounts =			0.859			

Data File: \\qpcan004\dd\chem\GCSS-a2hp4.1\0204231C-2.b\02082001.D
Date: 23-APR-2002 20:30
Client ID:
Sample Info: 2154,1,4

Column phases: restek pest c1p1

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\021B2101.D
 Report Date: 24-Apr-2002 06:02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\021B2101.D
 Lab Smp Id: 2154
 Inj Date : 23-APR-2002 20:46
 Operator : 1808
 Smp Info : 2154,,1,5
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 19-APR-2002 11:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 027B2701.D
 Calibration Sample, Level: 5
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
--	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254						
3.399	3.399	(0.000)	3387671	2.00000	1.844 75.00- 125.00	100.00
4.381	4.381	(0.000)	6194663	2.00000	1.873 135.82- 226.36	182.86
4.984	4.984	(0.000)	8992388	2.00000	1.904 195.43- 325.72	265.44
5.296	5.296	(0.000)	6153121	2.00000	1.922 131.34- 218.90	181.63
6.090	6.090	(0.000)	5999845	2.00000	1.969 120.29- 200.49	177.11
Average of Peak Amounts =				1.9		

2 AROCLOR-1221						
2.248	2.248	(0.000)	2067637	2.00000	1.791 75.00- 125.00	100.00
2.359	2.359	(0.000)	1343916	2.00000	1.761 49.72- 82.87	65.00
2.408	2.408	(0.000)	4378654	2.00000	1.751 162.32- 270.53	211.77
Average of Peak Amounts =				1.77		

Data File: \\qpcand04\dd\chem\QCS\azhp4.i\0204231C-2.b\02182101.D

Date : 23-APR-2002 20:46

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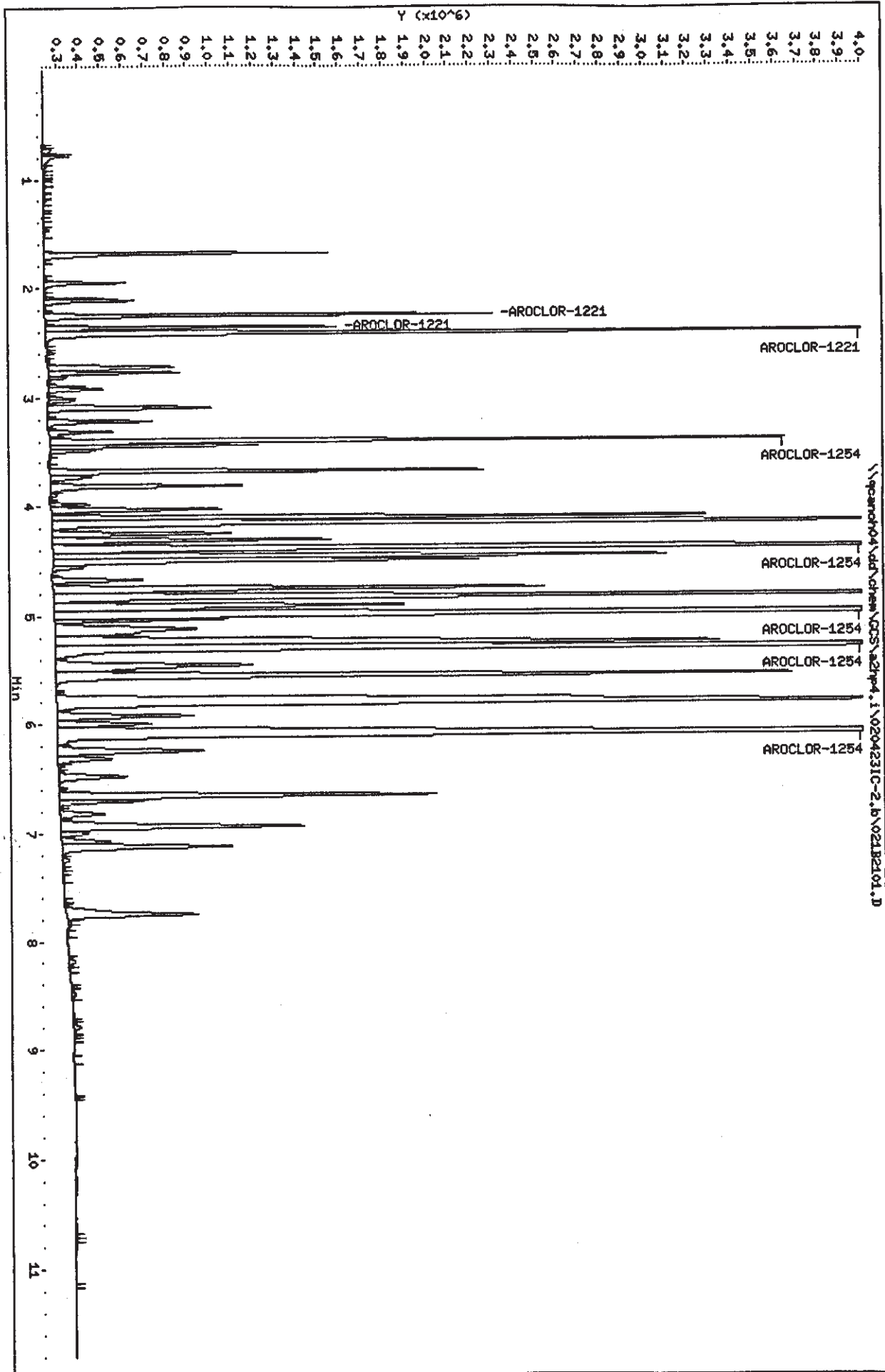
Sample Info: 2154,1,5

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1p1



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\022B2201.D
 Report Date: 24-Apr-2002 06:02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\022B2201.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:03
 Operator : 1808
 Smp Info : 1660,,1,1
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 21:03
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 022B2201.D
 Calibration Sample, Level: 1
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO

\$ 1 TCMX						CAS #: 877-09-8	
2.031	2.056	(-0.025)	517354	0.00500	0.004602		

3 AROCLOR-1016						CAS #: 12674-11-2	
2.410	2.409	(0.001)	177600	0.10000	0.1023	75.00- 125.00	100.00
2.732	2.729	(0.003)	286383	0.10000	0.1056	113.32- 188.87	161.25
3.102	3.100	(0.002)	549312	0.10000	0.1045	218.82- 364.70	309.30
3.221	3.219	(0.002)	284849	0.10000	0.1032	115.02- 191.70	160.39
3.315	3.313	(0.002)	193366	0.10000	0.1017	80.93- 134.88	108.88
Average of Peak Amounts =							0.103

8 AROCLOR-1260						CAS #: 11096-82-5	
5.253	5.250	(0.003)	355438	0.10000	0.1099	75.00- 125.00	100.00
6.089	6.087	(0.002)	371843	0.10000	0.1085	82.90- 138.17	104.62
6.701	6.700	(0.001)	259535	0.10000	0.1112	55.44- 92.40	73.02
7.120	7.119	(0.001)	570883	0.10000	0.1115	126.55- 210.92	160.61
7.748	7.747	(0.001)	314009	0.10000	0.1128	69.04- 115.07	88.34
Average of Peak Amounts =							0.111

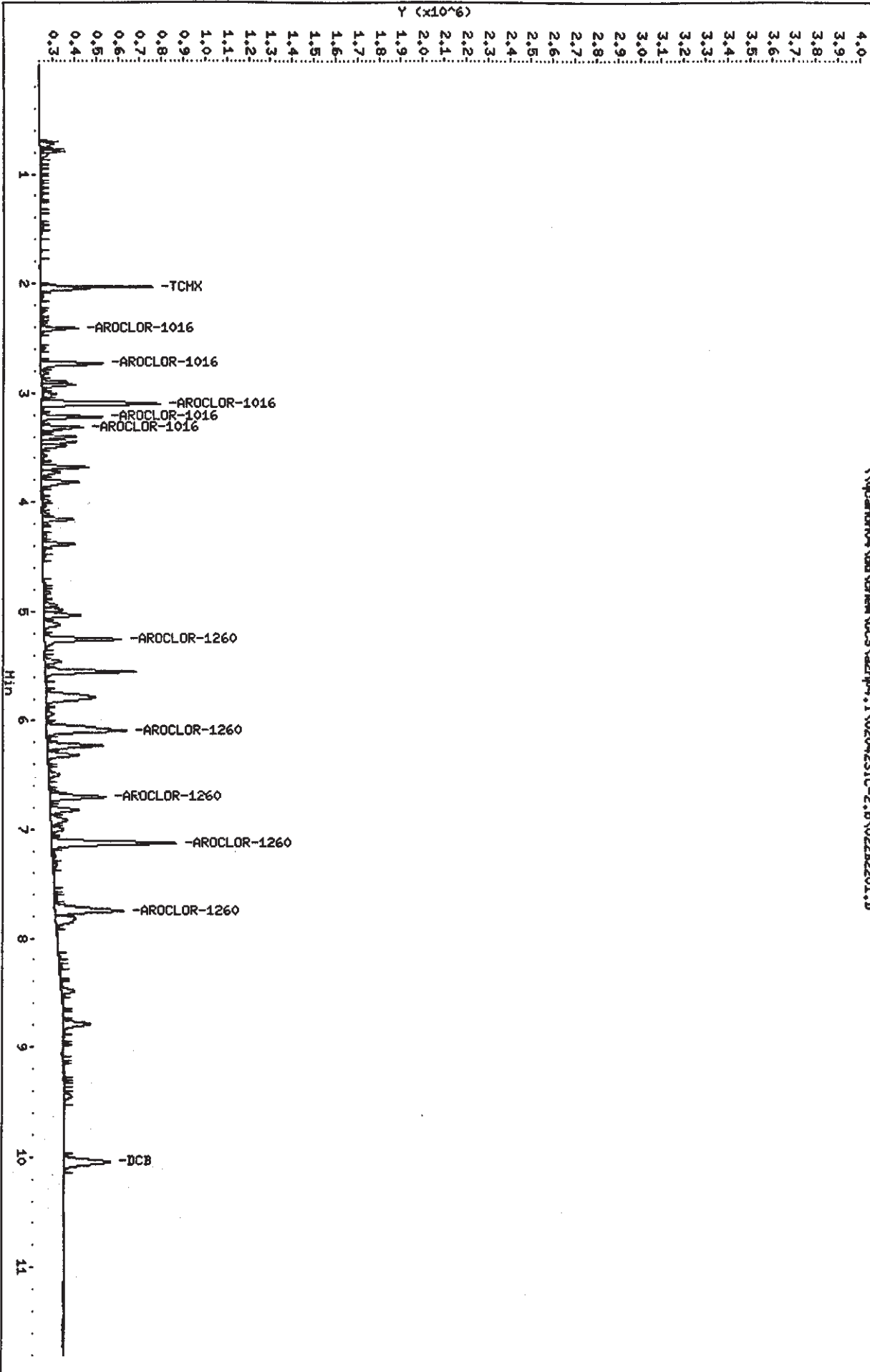
9 DCB						CAS #: 2051-24-3	
10.046	10.041	(0.005)	223969	0.00500	0.005806		

Data File: \\pcan04\dd\chem\GC5\azhp4.i\0204231C-2.b\022B2201.D
Date: 23-09-2002 21:03
Client ID:
Sample Info: 1660,1,1

Column phase: restek pest c1p1

Instrument: azhp4.i
Operator: 1808
Column diameter: 0.53

\\pcan04\dd\chem\GC5\azhp4.i\0204231C-2.b\022B2201.D



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Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\023B2301.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:19
 Operator : 1808
 Smp Info : 1660,,1,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 21:19
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 023B2301.D
 Calibration Sample, Level: 2
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1 TCMK					CAS #: 877-09-8	
2.030	2.056	(-0.026)	1238134	0.01000	0.01051	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.408	2.409	(-0.001)	389657	0.20000	0.2165	75.00- 125.00 100.00
2.729	2.729	(0.000)	587384	0.20000	0.2121	113.32- 188.87 150.74
3.101	3.100	(0.001)	1107921	0.20000	0.2066	218.82- 364.70 284.33
3.219	3.219	(0.000)	582038	0.20000	0.2069	115.02- 191.70 149.37
3.314	3.313	(0.001)	401357	0.20000	0.2060	80.93- 134.88 103.00
Average of Peak Amounts =				0.21		

8 AROCLOR-1260					CAS #: 11096-82-5	
5.251	5.250	(0.001)	682742	0.20000	0.2074	75.00- 125.00 100.00
6.088	6.087	(0.001)	724543	0.20000	0.2072	82.90- 138.17 106.12
6.700	6.700	(0.000)	501378	0.20000	0.2095	55.44- 92.40 73.44
7.120	7.119	(0.001)	1121503	0.20000	0.2114	126.55- 210.92 164.26
7.747	7.747	(0.000)	611415	0.20000	0.2122	69.04- 115.07 89.55
Average of Peak Amounts =				0.21		

\$ 9 DCB					CAS #: 2051-24-3	
10.047	10.041	(0.006)	411336	0.01000	0.01075	

Data File: \\qcar04\dd\chem\CCS\azhp4.1\020423IC-2.b\02382301.D

Date: 23-APR-2002 21:19

Client ID:

Sample Info: 1660,1,2

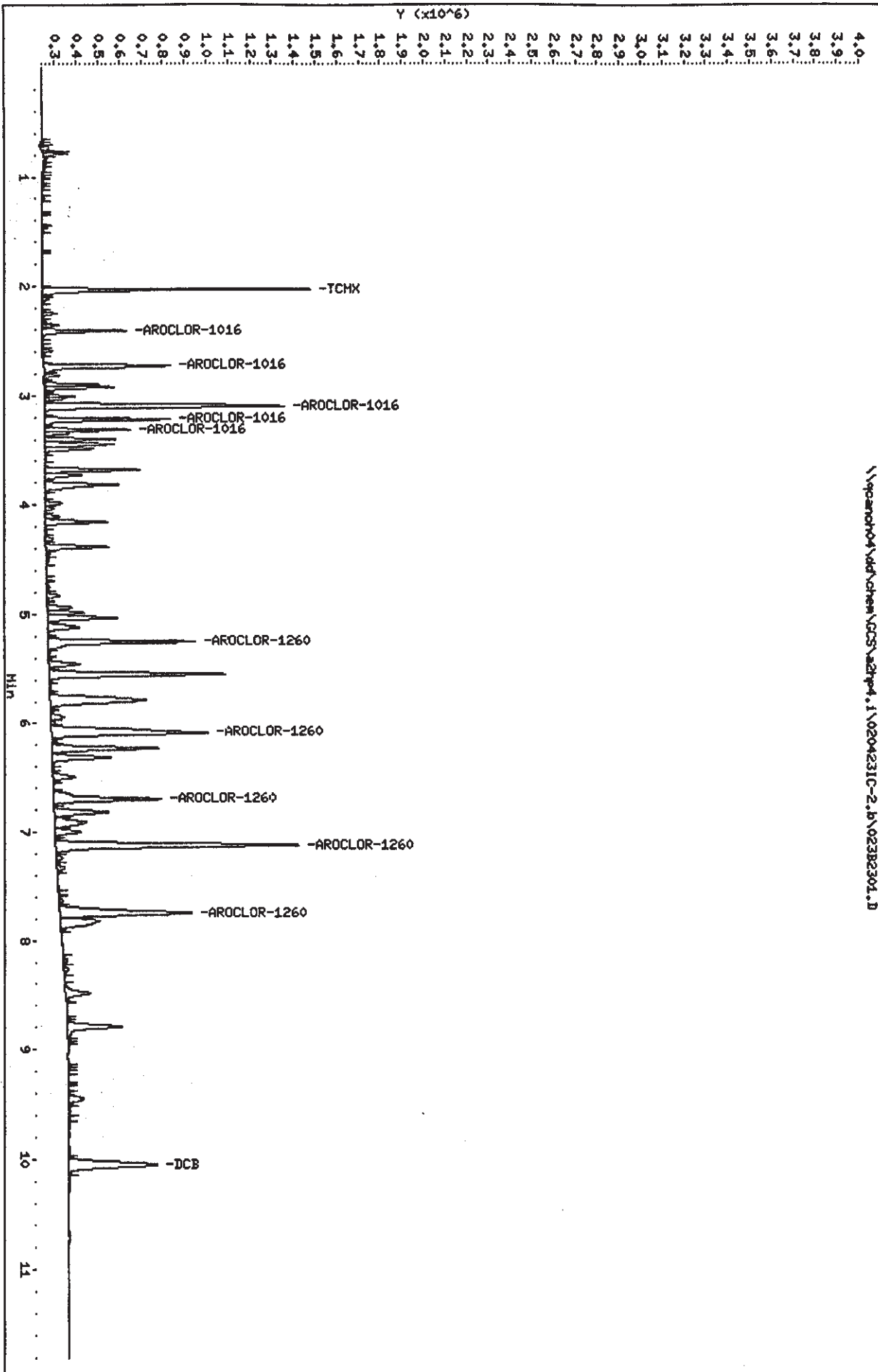
Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

Column phase: restek pest clip1

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Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\024B2401.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:36
 Operator : 1808
 Smp Info : 1660,,1,3
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 21:36
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 024B2401.D
 Calibration Sample, Level: 3
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1 TCMK					CAS #: 877-09-8	
2.030	2.056	(-0.026)	3333029	0.02500	0.02802	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.408	2.409	(-0.001)	979887	0.50000	0.5417 75.00- 125.00	100.00
2.728	2.729	(-0.001)	1451127	0.50000	0.5245 113.32- 188.87	148.09
3.101	3.100	(0.001)	2785473	0.50000	0.5218 218.82- 364.70	284.26
3.218	3.219	(-0.001)	1453899	0.50000	0.5193 115.02- 191.70	148.37
3.313	3.313	(0.000)	1019154	0.50000	0.5242 80.93- 134.88	104.01
Average of Peak Amounts =				0.526		

8 AROCLOR-1260					CAS #: 11096-82-5	
5.252	5.250	(0.002)	1638617	0.50000	0.5012 75.00- 125.00	100.00
6.089	6.087	(0.002)	1731650	0.50000	0.5030 82.90- 138.17	105.68
6.701	6.700	(0.001)	1211293	0.50000	0.5089 55.44- 92.40	73.92
7.121	7.119	(0.002)	2758887	0.50000	0.5212 126.55- 210.92	168.37
7.748	7.747	(0.001)	1507150	0.50000	0.5249 69.04- 115.07	91.98
Average of Peak Amounts =				0.512		

9 DCB					CAS #: 2051-24-3	
10.046	10.041	(0.005)	1014467	0.02500	0.02650	

Data File: \\vaporon04\vdv\chem\DCS\azhp4.1\020423IC-2.b\024B2401.D

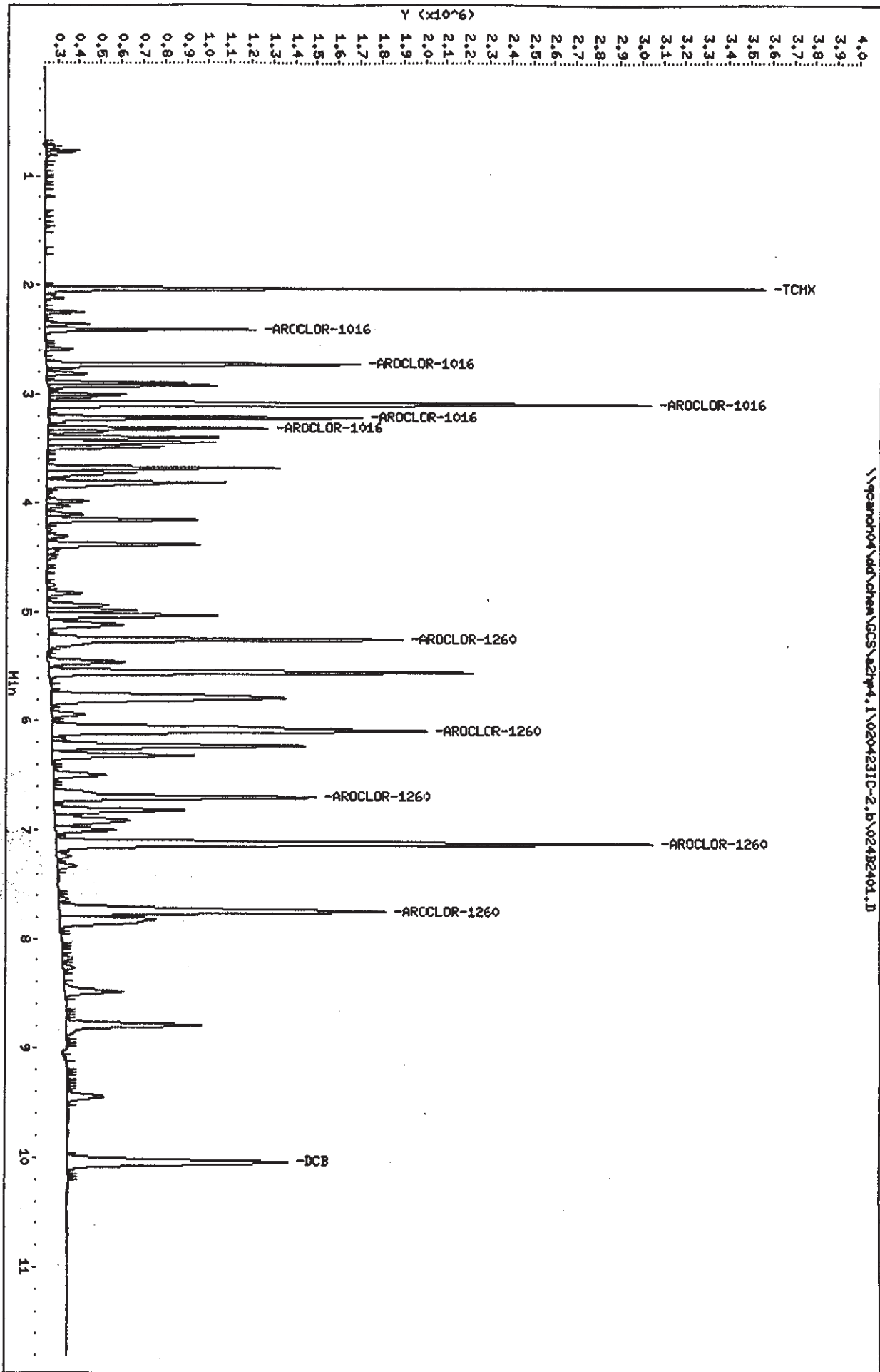
Date: 23-APR-2002 21:36

Client ID:

Sample Info: 1660,1.3

Instrument: azhp4.1
Operator: 1808
Column diameter: 0.53

Column phase: restek pest c1p1



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Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\025B2501.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 21:52
 Operator : 1808
 Smp Info : 1660,,1,4
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 21:52
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 025B2501.D
 Calibration Sample, Level: 4
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----

\$ 1 TCMX					CAS #: 877-09-8	
2.030	2.056	(-0.026)	6421882	0.05000	0.05348	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.408	2.409	(-0.001)	1820138	1.00000	1.004 75.00- 125.00	100.00
2.729	2.729	(0.000)	2711169	1.00000	0.9828 113.32- 188.87	148.95
3.100	3.100	(0.000)	5481298	1.00000	1.015 218.82- 364.70	301.15
3.219	3.219	(0.000)	2814324	1.00000	1.004 115.02- 191.70	154.62
3.314	3.313	(0.001)	2019608	1.00000	1.028 80.93- 134.88	110.96
Average of Peak Amounts =				1.01		

8 AROCLOR-1260					CAS #: 11096-82-5	
5.252	5.250	(0.002)	3258130	1.00000	0.9889 75.00- 125.00	100.00
6.089	6.087	(0.002)	3395956	1.00000	0.9771 82.90- 138.17	104.23
6.700	6.700	(0.000)	2409916	1.00000	0.9962 55.44- 92.40	73.97
7.120	7.119	(0.001)	5539380	1.00000	1.018 126.55- 210.92	170.02
7.748	7.747	(0.001)	3028015	1.00000	1.020 69.04- 115.07	92.94
Average of Peak Amounts =				1		

\$ 9 DCB					CAS #: 2051-24-3	
10.047	10.041	(0.006)	1998804	0.05000	0.05036	

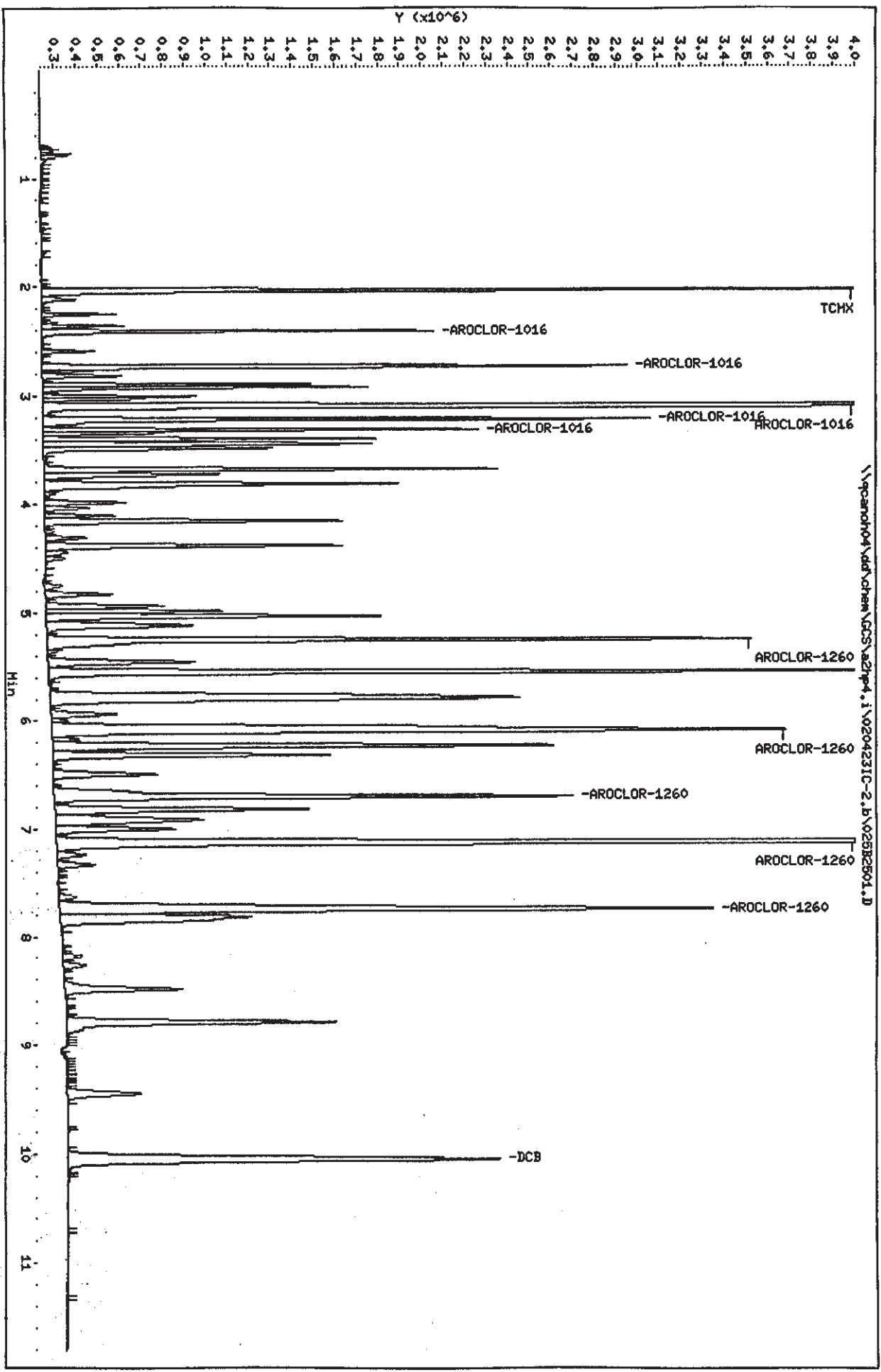
Data File: \\qpcand04\vd\chem\GC5\azhp4.i\020423IC-2.b\025B2501.D
Date: 23-APR-2002 21:52

Client ID:
Sample Info: 1660,1,4

Column phase: restek pest g1pi

Instrument: azhp4.i

Operator: 1808
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\026B2601.D
 Lab Smp Id: 1660
 Inj Date : 23-APR-2002 22:09
 Operator : 1808
 Smp Info : 1660,,1,5
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Calibration Sample, Level: 5
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
§ 1 TCMX CAS #: 877-09-8						
2.030	2.056	(-0.026)	12763821	0.10000	0.1035	

§ 3 AROCLOR-1016 CAS #: 12674-11-2						
2.408	2.409	(-0.001)	3498507	2.00000	1.890 75.00- 125.00	100.00
2.729	2.729	(0.000)	5165732	2.00000	1.845 113.32- 188.87	147.66
3.101	3.100	(0.001)	10798525	2.00000	1.964 218.82- 364.70	308.66
3.219	3.219	(0.000)	5504109	2.00000	1.934 115.02- 191.70	157.33
3.313	3.313	(0.000)	4037625	2.00000	2.015 80.93- 134.88	115.41
Average of Peak Amounts =				1.93		

§ 8 AROCLOR-1260 CAS #: 11096-82-5						
5.251	5.250	(0.001)	6427121	2.00000	1.922 75.00- 125.00	100.00
6.088	6.087	(0.001)	6849707	2.00000	1.943 82.90- 130.17	106.58
6.700	6.700	(0.000)	4784080	2.00000	1.940 55.44- 92.40	74.44
7.120	7.119	(0.001)	11229792	2.00000	2.006 126.55- 210.92	174.73
7.748	7.747	(0.001)	6067986	2.00000	1.986 69.04- 115.07	94.41
Average of Peak Amounts =				1.96		

§ 9 DCB CAS #: 2051-24-3						
10.045	10.041	(0.004)	3983952	0.10000	0.09749	

Data File: \\qparan04\vd\chem\GC5\azhp4.i\0204231C-2.b\02682601.D

Instrument: azhp4.i

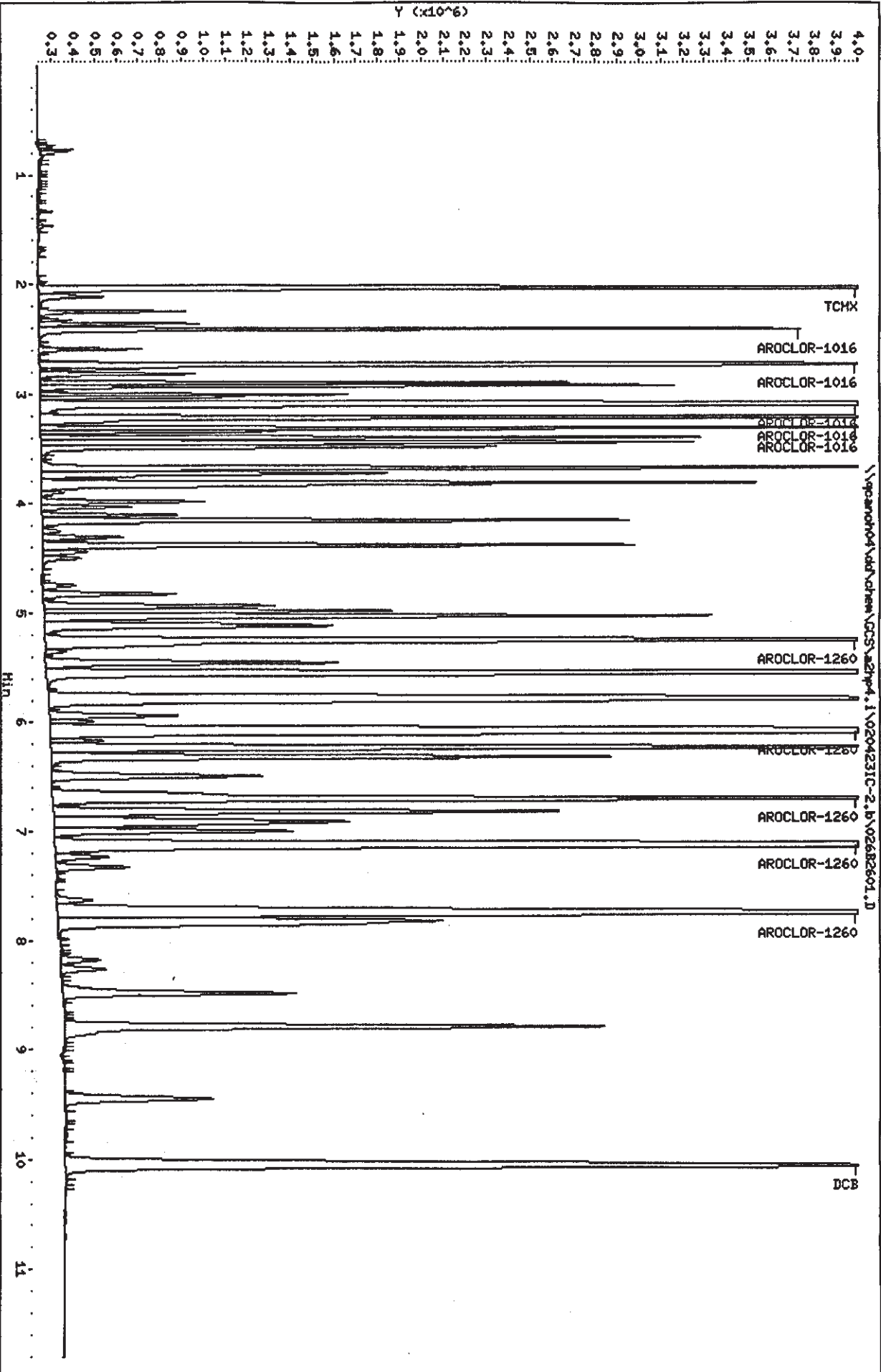
Date: 23-09-2002 22:09

Client ID:

Sample Info: 1660,1,5

Operator: 1808
Column diameter: 0.53

Column phases: restek pest c1pi



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\027B2701.D
 Report Date: 23-Apr-2002 22:37

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 23-APR-2002 22:26
 Lab File ID: 027B2701.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: ICV Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	123336242	247720	0.010	-99.8	15.0 <-
3 AROCLOR-1016 (1)	1850690	1724498	0.010	-6.8	15.0
(2)	2799408	2605606	0.010	-6.9	15.0
(3)	5496846	5031346	0.010	-8.5	15.0
(4)	2846571	2644680	0.010	-7.1	15.0
(5)	2003435	1860782	0.010	-7.1	15.0
8 AROCLOR-1260 (1)	3343403	3138936	0.010	-6.1	15.0
(2)	3525051	3469572	0.010	-1.6	15.0
(3)	2465356	2320310	0.010	-5.9	15.0
(4)	5597679	5296598	0.010	-5.4	15.0
(5)	3054695	2889514	0.010	-5.4	15.0
\$ 9 DCB	40864336	589000	0.010	-98.6	15.0 <-

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020423IC-2.b\027B2701.D
 Lab Smp Id: ICV
 Inj Date : 23-APR-2002 22:26
 Operator : 1808
 Smp Info : ICV,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020423IC-2.b\HP4PCBR.m
 Meth Date : 24-Apr-2002 05:56 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----	

\$ 1 TCMX				CAS #: 877-09-8			
2.056	2.056	(0.000)	6193	0.02500	0.00005021		

3 AROCLOR-1016			CAS #: 12674-11-2				
2.409	2.409	(0.000)	862249	0.50000	0.4659	75.00- 125.00	100.00
2.729	2.729	(0.000)	1302803	0.50000	0.4654	113.32- 188.87	151.09
3.100	3.100	(0.000)	2515673	0.50000	0.4576	218.82- 364.70	291.76
3.219	3.219	(0.000)	1322340	0.50000	0.4645	115.02- 191.70	153.36
3.313	3.313	(0.000)	930391	0.50000	0.4644	80.93- 134.88	107.90
Average of Peak Amounts =				0.464			

8 AROCLOR-1260			CAS #: 11096-82-5				
5.250	5.250	(0.000)	1569468	0.50000	0.4694	75.00- 125.00	100.00
6.087	6.087	(0.000)	1734786	0.50000	0.4921	82.90- 138.17	110.53
6.700	6.700	(0.000)	1160155	0.50000	0.4706	55.44- 92.40	73.92
7.119	7.119	(0.000)	2648299	0.50000	0.4731	126.55- 210.92	168.74
7.747	7.747	(0.000)	1444757	0.50000	0.4730	69.04- 115.07	92.05
Average of Peak Amounts =				0.476			

\$ 9 DCB			CAS #: 2051-24-3				
10.041	10.041	(0.000)	14725	0.02500	0.0003603		

Data File: \\ppan04\dd\chem\DCS\azhp4.i\0204231C-2.b\02782701.D
Date: 23-PPR-2002 22:26

Client ID:

Sample Info: ICV,2

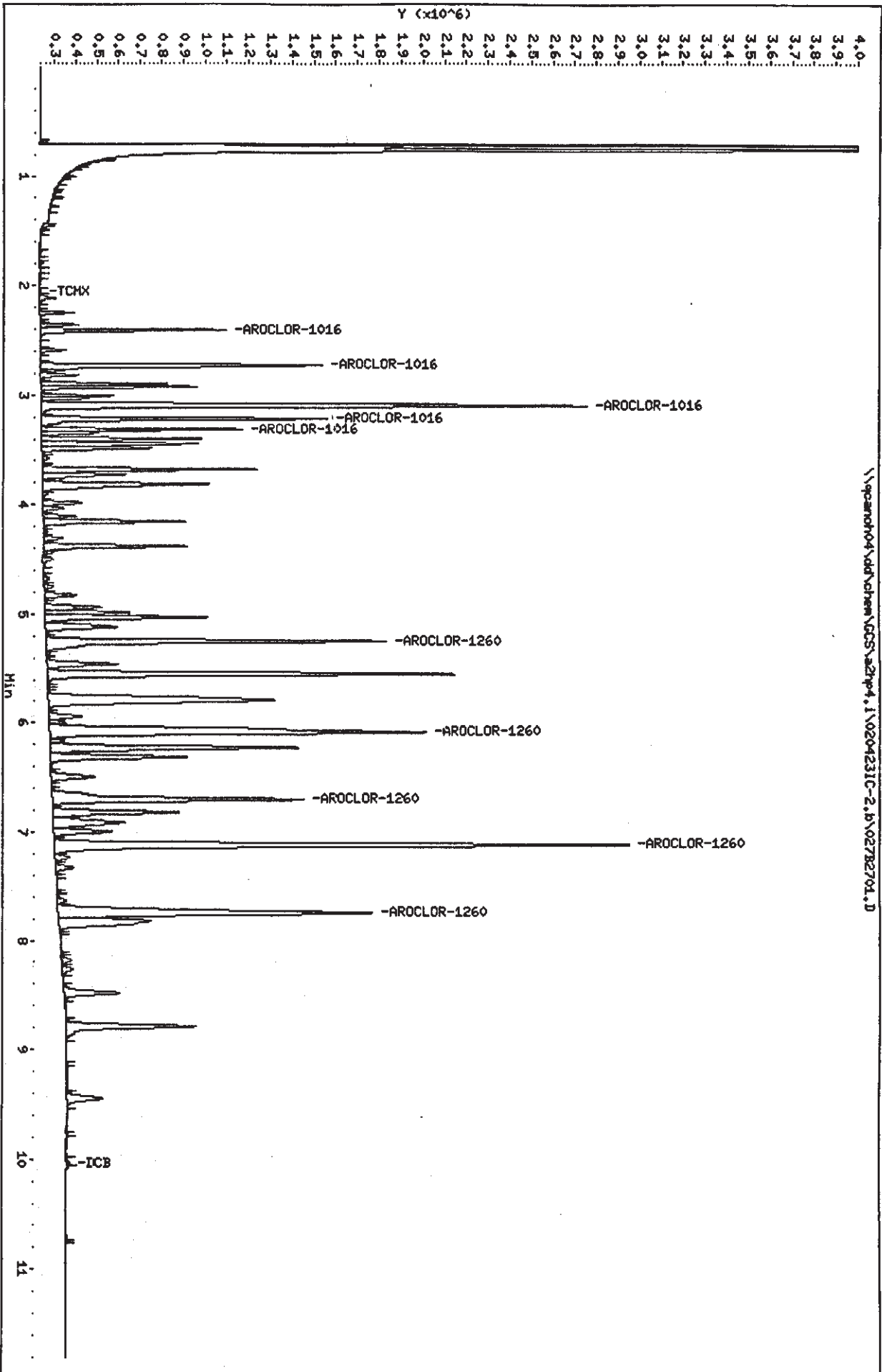
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.63

\\ppan04\dd\chem\DCS\azhp4.i\0204231C-2.b\02782701.D



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: 2E10105

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 04/23/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01							
02							
03							
04							
05							
06	EB-00-050902	E07M21AA	05/13/02	1258			
07	E07WCBLK	E07WC1AA	05/13/02	1314			
08	E07WCCHK	E07WC1AC	05/13/02	1331			
09	E07WCCHKDUP	E07WC1AD	05/13/02	1347			
10		1660	05/13/02	1739			
11				2314			
12				2331			
13				2348			
14				0004			
15				0127			
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

QC LIMITS

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

Calibration History

Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
23-APR-2002 21:03	12-AR1660td	022B2201.D
23-APR-2002 19:40	9-AR2154	017B1701.D
23-APR-2002 18:17	3-AR1248	012B1201.D
23-APR-2002 16:55	2-AR1242	007B0701.D
23-APR-2002 15:32	1-AR1232	002B0201.D
Cal Level: 2 , Cal Amount: 0.2000		
23-APR-2002 21:19	12-AR1660td	023B2301.D
23-APR-2002 19:57	9-AR2154	018B1801.D
23-APR-2002 18:34	3-AR1248	013B1301.D
23-APR-2002 17:11	2-AR1242	008B0801.D
23-APR-2002 15:49	1-AR1232	003B0301.D
Cal Level: 3 , Cal Amount: 0.5000		
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D
Cal Level: 4 , Cal Amount: 1.000		
23-APR-2002 21:52	12-AR1660td	025B2501.D
23-APR-2002 20:30	9-AR2154	020B2001.D
23-APR-2002 19:07	3-AR1248	015B1501.D
23-APR-2002 17:44	2-AR1242	010B1001.D
23-APR-2002 16:22	1-AR1232	005B0501.D
Cal Level: 5 , Cal Amount: 2.000		
23-APR-2002 22:09	12-AR1660td	026B2601.D
23-APR-2002 20:46	9-AR2154	021B2101.D
23-APR-2002 19:24	3-AR1248	016B1601.D
23-APR-2002 18:01	2-AR1242	011B1101.D
23-APR-2002 16:38	1-AR1232	006B0601.D

Continuing Calibration

14-MAY-2002	10:35	12-AR1660td	069B6901.D
14-MAY-2002	06:25	12-AR1660td	054B5401.D
14-MAY-2002	01:27	12-AR1660td	036B3601.D
13-MAY-2002	17:39	12-AR1660td	019B1901.D
13-MAY-2002	14:04	12-AR1660td	006B0601.D
13-MAY-2002	13:47	9-AR2154	005B0501.D
13-MAY-2002	13:31	3-AR1248	004B0401.D
13-MAY-2002	13:14	2-AR1242	003B0301.D
13-MAY-2002	12:58	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\002B0201.D
 Report Date: 14-May-2002 08:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 13-MAY-2002 12:58
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
--	-----	-----	-----	-----	-----	-----	-----		-----
4 AROCLOR-1232					CAS #: 11141-16-5				
2.074	2.074	(0.000)	1439432	0.50000	0.5435	75.00- 125.00	100.00		
2.324	2.324	(0.000)	809285	0.50000	0.5486	42.17- 70.28	56.22		
2.665	2.665	(0.000)	1476057	0.50000	0.5417	76.91- 128.18	102.54		
2.762	2.762	(0.000)	797288	0.50000	0.5413	41.54- 69.24	55.39		
3.073	3.073	(0.000)	548584	0.50000	0.5127	28.58- 47.64	38.11		
Average of Peak Amounts =					0.538				

Data File: \\pcanor04\nd\chem\GC5\azhp4.i\020513#-1.b\002B0201.D
Date: 13-MAY-2002 12:58

Client ID:

Sample Info: 1232,,2

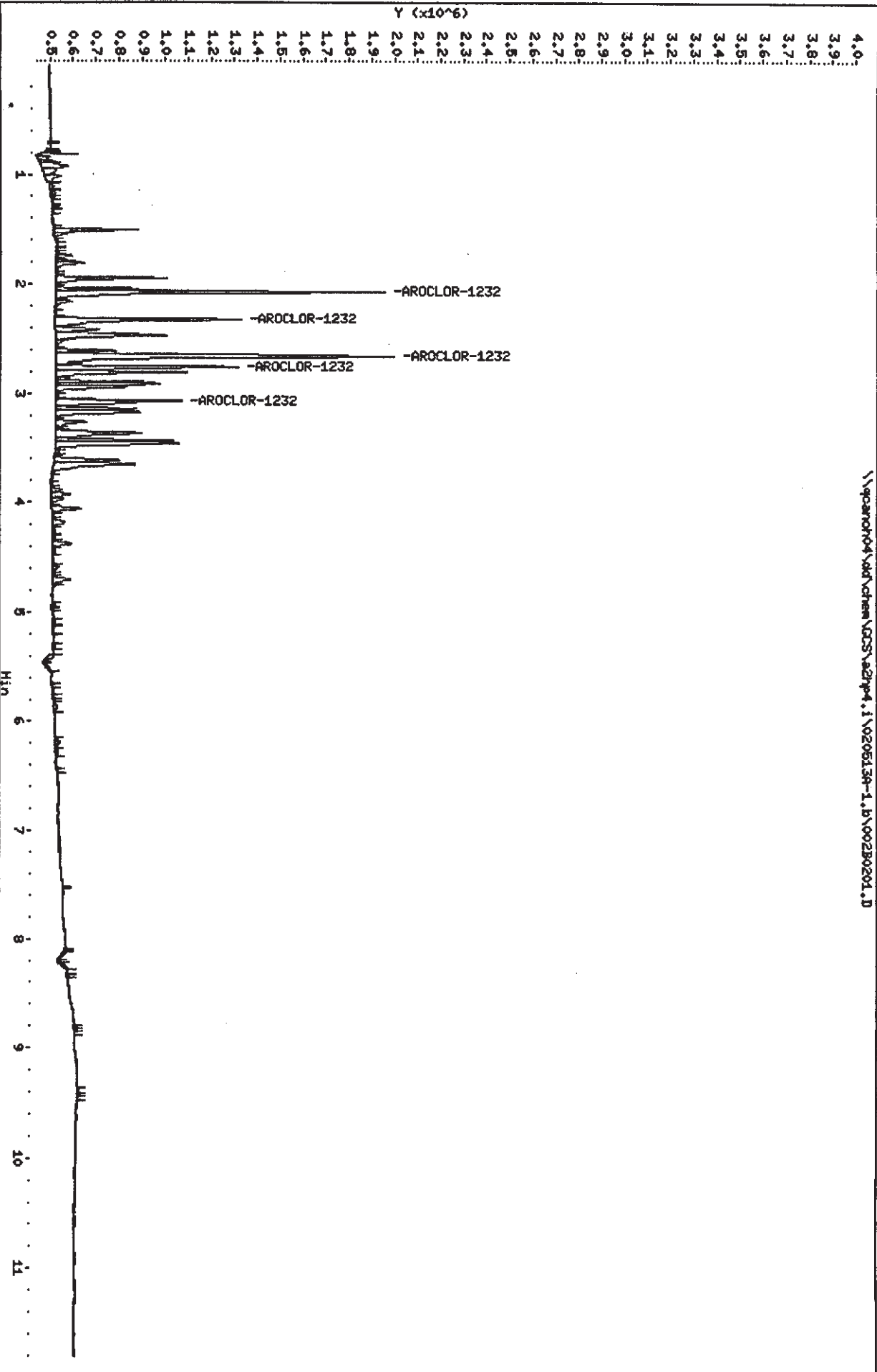
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\pcanor04\nd\chem\GC5\azhp4.i\020513#-1.b\002B0201.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\003B0301.D
 Report Date: 14-May-2002 08:55

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 13-MAY-2002 13:14
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----
5 AROCLOR-1242				CAS #: 53469-21-9			
2.075	2.075	(0.000)		951840 0.50000	0.4995	75.00- 125.00	100.00
2.325	2.325	(0.000)		1399174 0.50000	0.5102	110.25- 183.75	147.00
2.666	2.666	(0.000)		2714807 0.50000	0.5302	213.91- 356.52	285.22
2.763	2.763	(0.000)		1386822 0.50000	0.5088	109.27- 182.12	145.70
3.074	3.074	(0.000)		1116202 0.50000	0.5067	87.95- 146.58	117.27
Average of Peak Amounts =					0.511		

Data File: \\gsanord04\vd\chem\GCSS\azhp4.1\0205134-1.b\00380301.D
Date: 13-MAY-2002 13:14

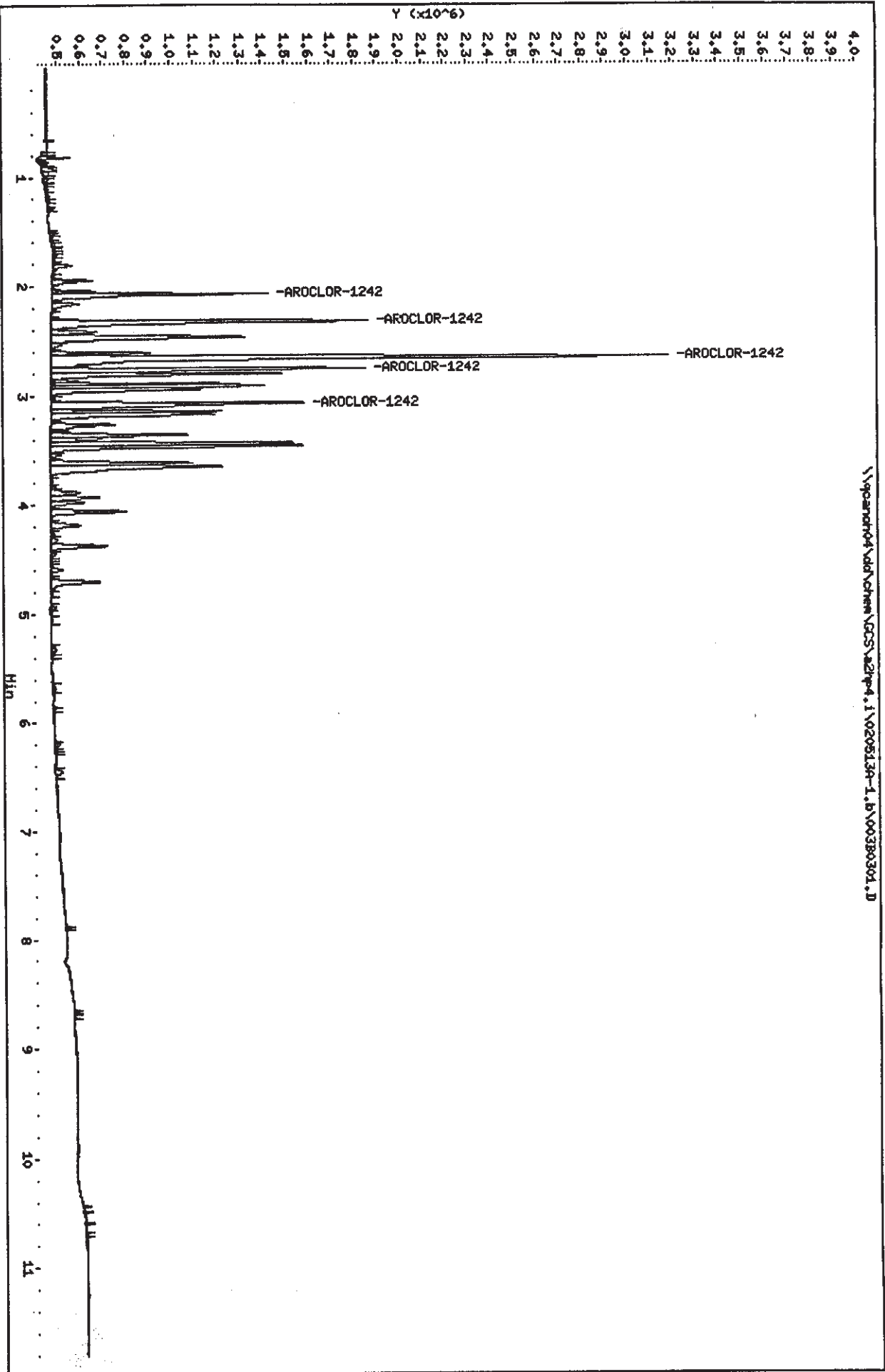
Instrument: azhp4.i

Client ID:
Sample Info: 1242, 2

Column phase: restek pest c1p1

Operator: 1808
Column diameter: 0.53

\\gsanord04\vd\chem\GCSS\azhp4.1\0205134-1.b\00380301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\004B0401.D
Report Date: 14-May-2002 08:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\004B0401.D
Lab Smp Id: 1248
Inj Date : 13-MAY-2002 13:31
Operator : 1808
Smp Info : 1248,,2
Misc Info : 3-AR1248.sub
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
Meth Date : 14-May-2002 08:54 molm
Cal Date : 23-APR-2002 22:09
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: QCANOH05
Inst ID: a2hp4.i
Quant Type: ESTD
Cal File: 026B2601.D
Continuing Calibration Sample
Compound Sublist: 3-AR1248.sub
Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
---	-----	-----	-----	-----	-----	-----	
6 AROCLOR-1248				CAS #: 12672-29-6			
2.323	2.323	(0.000)	742447 0.50000	0.5235	75.00- 125.00	100.00	
3.073	3.073	(0.000)	1898912 0.50000	0.5060	191.82- 319.70	255.76	
3.439	3.439	(0.000)	2058370 0.50000	0.5507	207.93- 346.55	277.24	
3.650	3.650	(0.000)	1467604 0.50000	0.5102	148.25- 247.09	197.67	
4.058	4.058	(0.000)	955064 0.50000	0.5032	96.48- 160.80	128.64	
Average of Peak Amounts =				0.519			

Data File: \\qpcan04\dd\chem\GCS\azhp4.1\0205139-1.b\004B0401.D

Date: 13-MAY-2002 13:31

Client ID:

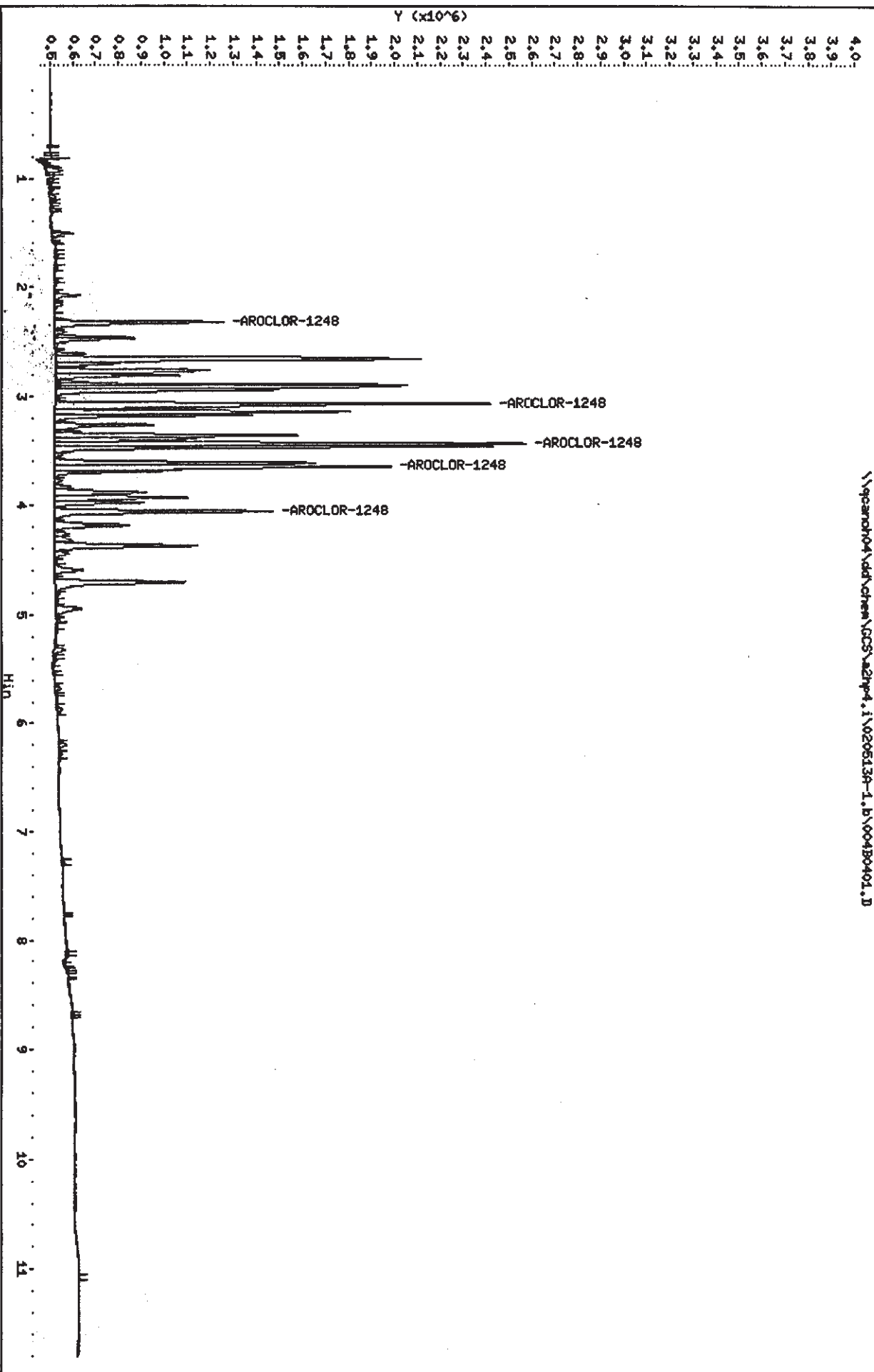
Sample Info: 1248,2

Column Phase: restek pest c1PI

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\005B0501.D
 Report Date: 14-May-2002 08:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 13-MAY-2002 13:47
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
7 AROCLOR-1254 CAS #: 11097-69-1						
2.900	2.900	(0.000)	1165411	0.50000	0.4883	75.00- 125.00 100.00
3.645	3.645	(0.000)	2167987	0.50000	0.4860	139.52- 232.53 186.03
4.059	4.059	(0.000)	3005770	0.50000	0.4921	193.44- 322.39 257.92
4.375	4.375	(0.000)	2073162	0.50000	0.4909	133.42- 222.36 177.89
4.944	4.944	(0.000)	2029808	0.50000	0.4875	130.63- 217.71 174.17
Average of Peak Amounts =					0.489	

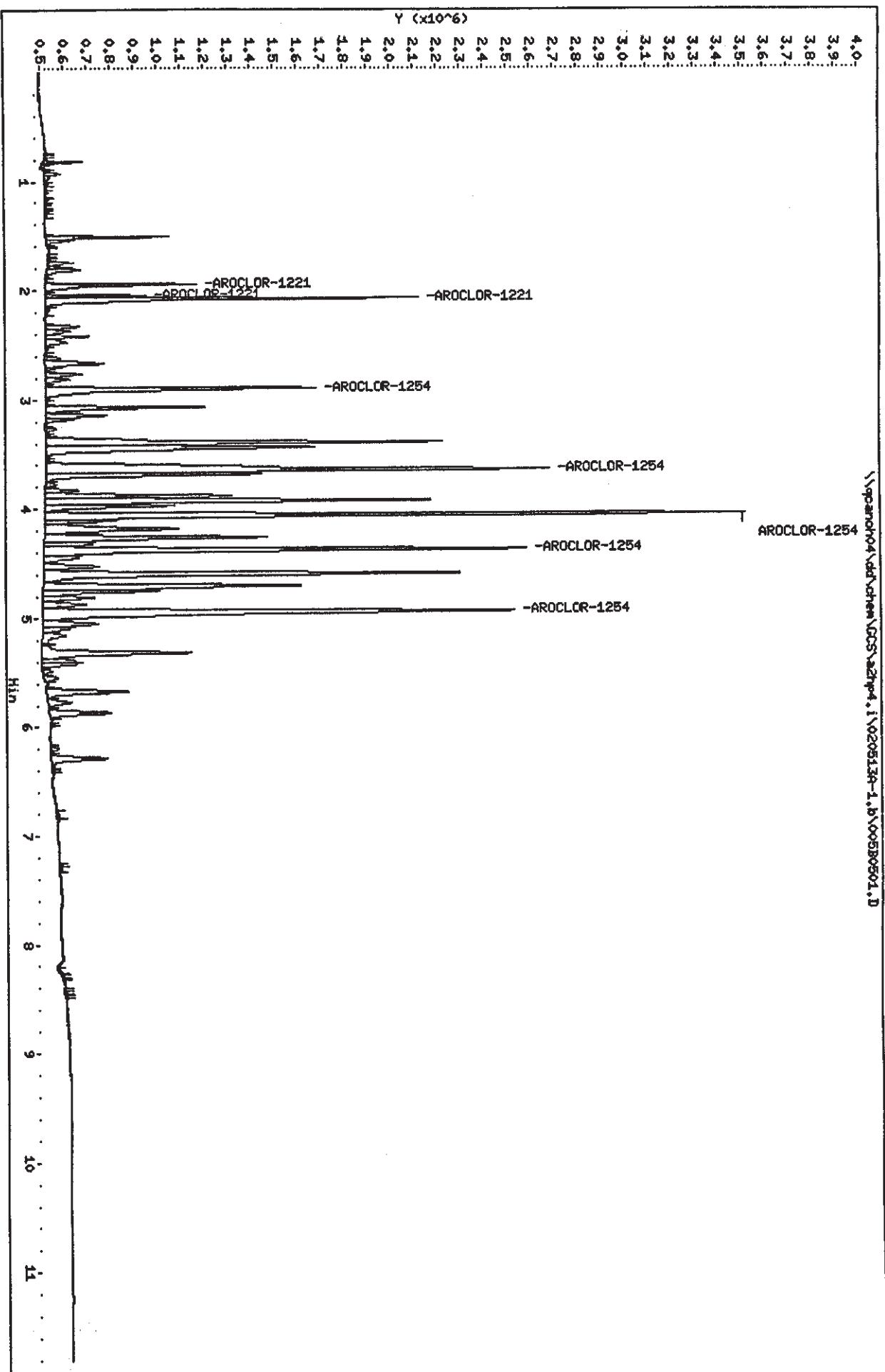
2 AROCLOR-1221 CAS #: 11104-28-2						
1.945	1.945	(0.000)	652386	0.50000	0.4779	75.00- 125.00 100.00
2.046	2.046	(0.000)	433529	0.50000	0.4876	49.84- 83.07 66.45
2.075	2.075	(0.000)	1605404	0.50000	0.4883	184.56- 307.60 246.08
Average of Peak Amounts =					0.485	

Data File: \\pcan04\add\chem\GC5\22hp4.1\020513R-1.b\005B0501.D
Date: 13-May-2002 13:47
Client ID:
Sample Info: 2154,,2

Column phases: restek pest c1p1

Instrument: 22hp4.i
Operator: 1808
Column diameter: 0.53

\\pcan04\add\chem\GC5\22hp4.1\020513R-1.b\005B0501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\019B1901.D
 Report Date: 13-May-2002 17:52

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 13-MAY-2002 17:39
 Lab File ID: 019B1901.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMK	145668122	148440480	0.010	1.9	15.0
3 AROCLOR-1016 (1)	2258349	2357058	0.010	4.4	15.0
(2)	3469700	3640846	0.010	4.9	15.0
(3)	6664871	6817002	0.010	2.3	15.0
(4)	3550624	3404792	0.010	-4.1	15.0
(5)	2598887	2467438	0.010	-5.1	15.0
8 AROCLOR-1260 (1)	4220324	4112508	0.010	-2.6	15.0
(2)	6464342	6292362	0.010	-2.7	15.0
(3)	5337968	4889950	0.010	-8.4	15.0
(4)	7442314	6935424	0.010	-6.8	15.0
(5)	3866155	3493424	0.010	-9.6	15.0
\$ 9 DCB	67628674	61077680	0.010	-9.7	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\019B1901.D
 Report Date: 14-May-2002 08:59

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\019B1901.D
 Lab Smp Id: 1660
 Inj Date : 13-MAY-2002 17:39
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
-----			-----	-----	-----	-----

\$ 1	TCMX				CAS #: 877-09-8	
1.839	1.842	(-0.003)	3711012	0.02500	0.02548	

\$ 3	AROCOR-1016				CAS #: 12674-11-2	
2.075	2.079	(-0.004)	1178529	0.50000	0.5218 75.00- 125.00	100.00
2.325	2.329	(-0.004)	1820423	0.50000	0.5247 116.89- 194.82	154.47
2.866	2.669	(-0.003)	3408501	0.50000	0.5114 219.02- 365.04	289.22
2.764	2.767	(-0.003)	1702396	0.50000	0.4795 116.55- 194.24	144.45
2.810	2.813	(-0.003)	1233719	0.50000	0.4747 84.84- 141.40	104.68
Average of Peak Amounts =				0.502		

\$ 6	AROCOR-1260				CAS #: 11096-82-5	
4.264	4.267	(-0.003)	2056254	0.50000	0.4872 75.00- 125.00	100.00
4.595	4.599	(-0.004)	3146181	0.50000	0.4867 114.20- 190.34	153.01
4.944	4.947	(-0.003)	2444975	0.50000	0.4580 80.62- 134.36	118.90
5.870	5.874	(-0.004)	3467712	0.50000	0.4659 129.42- 215.70	168.64
6.288	6.291	(-0.003)	1746712	0.50000	0.4518 65.79- 109.66	84.95
Average of Peak Amounts =				0.47		

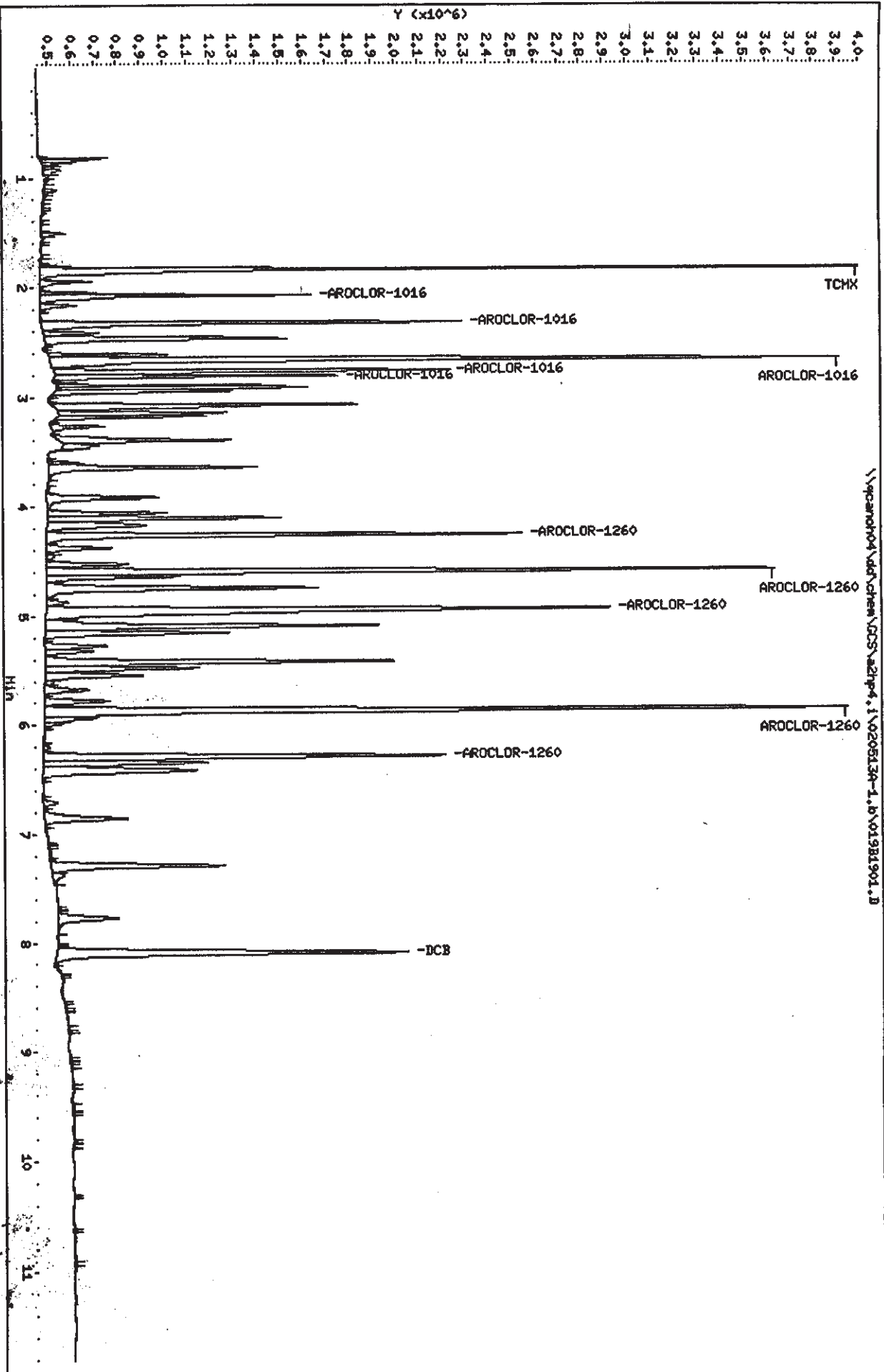
\$ 9	DCB				CAS #: 2051-24-3	
8.095	8.099	(-0.004)	1526942	0.02500	0.02258	

Data File: \\pcandh04\dd\Nchem\GC5\27p4.1\0205134-1.b\01981901.D
Date: 13-MAY-2002 17:39
Client ID:
Sample Info: 1660,2

Instrument: 27p4.1

Column phase: restek pest c1p1

Operator: 1808
Column diameter: 0.53



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\036B3601.D
 Report Date: 14-May-2002 01:39

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-MAY-2002 01:27
 Lab File ID: 036B3601.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m

COMPOUND	RRF	RF1	MIN	%D	MAX
\$ 1 TCMX	145668122	165727440	0.010	13.8	15.0
3 AROCLOR-1016(1)	2258349	2596472	0.010	15.0	15.0
(2)	3469700	4147270	0.010	19.5	15.0
(3)	6664871	7456730	0.010	11.9	15.0
(4)	3550624	3979306	0.010	12.1	15.0
(5)	2598887	2869832	0.010	10.4	15.0
8 AROCLOR-1260(1)	4220324	4543530	0.010	7.7	15.0
(2)	6464342	6784910	0.010	5.0	15.0
(3)	5337968	4944976	0.010	-7.4	15.0
(4)	7442314	7834792	0.010	5.3	15.0
(5)	3866155	3958912	0.010	2.4	15.0
\$ 9 DCB	67628674	68320080	0.010	1.0	15.0

MM 5/14/02

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\036B3601.D
 Report Date: 14-May-2002 09:02

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\036B3601.D
 Lab Smp Id: 1660
 Inj Date : 14-MAY-2002 01:27
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
---	-----	-----	-----	-----	-----	-----

\$ 1 TCMX					CAS #: 877-09-8	
1.840	1.842	(-0.002)	4143186	0.02500	0.02844	

3 AROCLOR-1016					CAS #: 12674-11-2	
2.075	2.079	(-0.004)	1298236	0.50000	0.5749	75.00- 125.00 100.00
2.325	2.329	(-0.004)	2073635	0.50000	0.5976	116.89- 194.82 159.73
2.665	2.669	(-0.004)	3728365	0.50000	0.5594	219.02- 365.04 287.19
2.764	2.767	(-0.003)	1989653	0.50000	0.5604	116.85- 194.24 153.26
2.810	2.813	(-0.003)	1434916	0.50000	0.5521	84.84- 141.40 110.53
	Average of Peak Amounts =				0.569	

8 AROCLOR-1260					CAS #: 11096-82-5	
4.263	4.267	(-0.004)	2271765	0.50000	0.5383	75.00- 125.00 100.00
4.594	4.599	(-0.005)	3392455	0.50000	0.5248	114.20- 190.34 149.33
4.942	4.947	(-0.005)	2472488	0.50000	0.4632	80.62- 134.36 108.84
5.869	5.874	(-0.005)	3917396	0.50000	0.5264	129.42- 215.70 172.44
6.285	6.291	(-0.006)	1979456	0.50000	0.5120	65.79- 109.66 87.13
	Average of Peak Amounts =				0.513	

\$ 9 DCB					CAS #: 2051-24-3	
8.091	8.099	(-0.008)	1708002	0.02500	0.02526	

Data File: \\qpcan04\vd\chem\GC5\azhp4.i\0205130-1.b\036B3601.D

Date: 14-MAY-2002 01:27

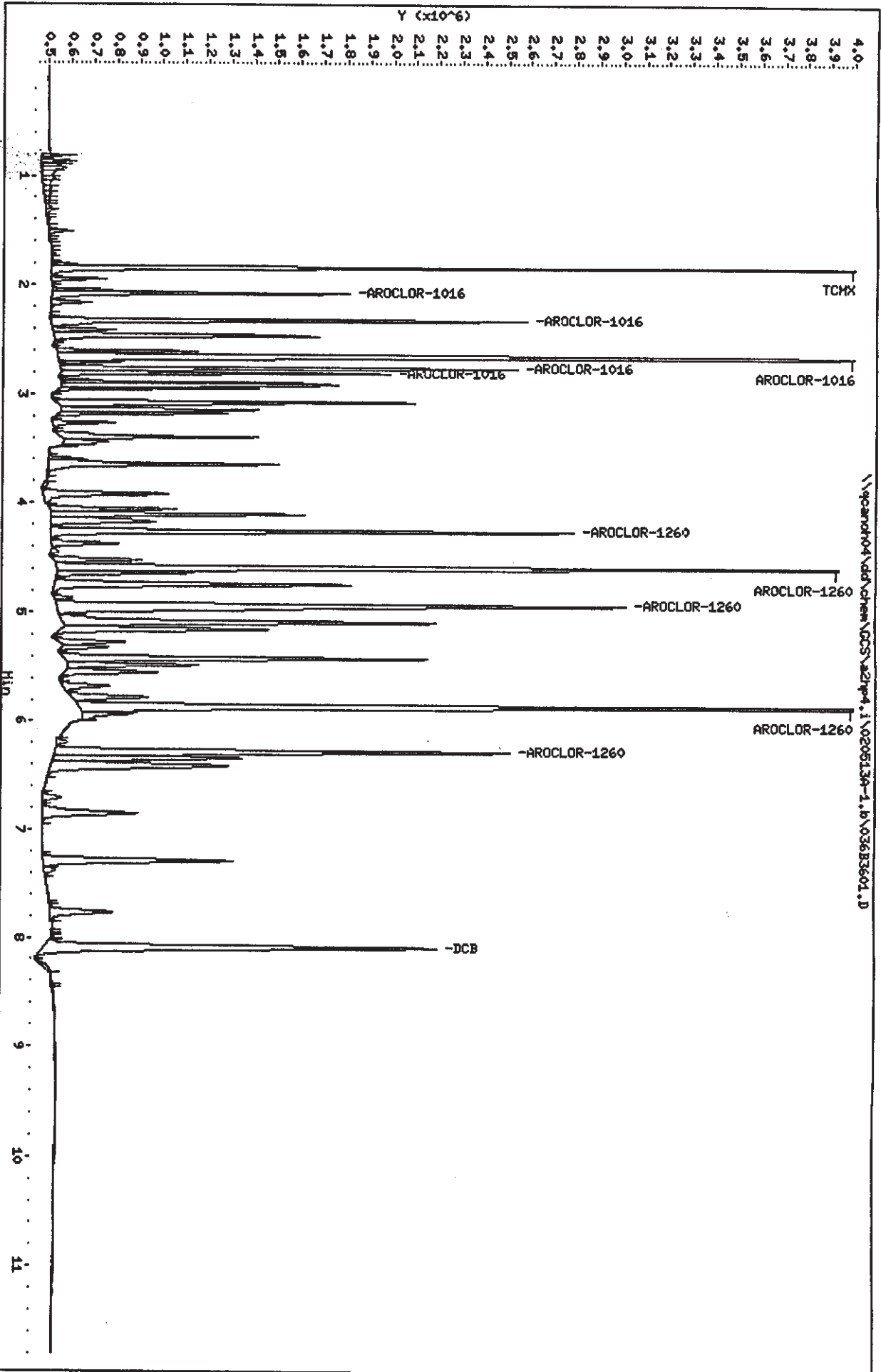
Client ID:

Sample Info: 1660,2

Column Phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808
Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: QESOH

Case No.:

SAS No.:

SDG No.: 2E10105

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 01/13/02 04/23/0

Instrument ID: A2HP4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION								
	CLIENT	LAB	DATE	TIME				
	SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
	=====	=====	=====	=====	=====	=====	=====	=====
01		1232	05/14/02	1138				
02		1242	05/14/02	1154				
03		1248	05/14/02	1211				
04		2154	05/14/02	1228				
05		1660	05/14/02	1546				
06	S-00-050902-	E07L91AA	05/14/02	1938				
07		1660	05/14/02	2044				
08	S-00-050902-	E07ME1AA	05/14/02	2101				
09	S-00-050902-	E07MF1AA	05/14/02	2117				
10	S-00-050902-	E07MF1AD	05/14/02	2134				
11	S-00-050902-	E07MF1AE	05/14/02	2150				
12	S-00-050902-	E07MG1AA	05/14/02	2207				
13	S-00-050902-	E07MJ1AA	05/14/02	2223				
14	S-00-050902-	E07MM1AA	05/14/02	2240				
15	S-00-050902-	E07MN1AA	05/14/02	2256				
16	S-00-050902-	E07MP1AA	05/14/02	2313				
17	S-00-050902-	E07MQ1AA	05/14/02	2330				
18	S-00-050902-	E07MT1AA	05/14/02	2346				
19	S-00-050902-	E07MV1AA	05/15/02	0003				
20	S-00-050902-	E07MX1AA	05/15/02	0019				
21	S-00-050902-	E07M01AA	05/15/02	0036				
22	S-00-050902-	E07M71AA	05/15/02	0052				
23	S-00-050902-	E07M81AA	05/15/02	0109				
24	S-00-050902-	E07NA1AA	05/15/02	0125				
25	E07P2BLK	E07P21AA	05/15/02	0142				
26	E07P2CHK	E07P21AC	05/15/02	0159				
27		1660	05/15/02	0215				
28								
29								
30								
31								
32								

QC LIMITS

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

Calibration History

Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Start Cal Date: 13-JAN-2002 20:33
 End Cal Date : 23-APR-2002 22:09
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.1000		
23-APR-2002 21:03	12-AR1660td	022B2201.D
23-APR-2002 19:40	9-AR2154	017B1701.D
23-APR-2002 18:17	3-AR1248	012B1201.D
23-APR-2002 16:55	2-AR1242	007B0701.D
23-APR-2002 15:32	1-AR1232	002B0201.D
Cal Level: 2 , Cal Amount: 0.2000		
23-APR-2002 21:19	12-AR1660td	023B2301.D
23-APR-2002 19:57	9-AR2154	018B1801.D
23-APR-2002 18:34	3-AR1248	013B1301.D
23-APR-2002 17:11	2-AR1242	008B0801.D
23-APR-2002 15:49	1-AR1232	003B0301.D
Cal Level: 3 , Cal Amount: 0.5000		
23-APR-2002 21:36	12-AR1660td	024B2401.D
23-APR-2002 20:13	9-AR2154	019B1901.D
23-APR-2002 18:51	3-AR1248	014B1401.D
23-APR-2002 17:28	2-AR1242	009B0901.D
23-APR-2002 16:05	1-AR1232	004B0401.D
Cal Level: 4 , Cal Amount: 1.000		
23-APR-2002 21:52	12-AR1660td	025B2501.D
23-APR-2002 20:30	9-AR2154	020B2001.D
23-APR-2002 19:07	3-AR1248	015B1501.D
23-APR-2002 17:44	2-AR1242	010B1001.D
23-APR-2002 16:22	1-AR1232	005B0501.D
Cal Level: 5 , Cal Amount: 2.000		
23-APR-2002 22:09	12-AR1660td	026B2601.D
23-APR-2002 20:46	9-AR2154	021B2101.D
23-APR-2002 19:24	3-AR1248	016B1601.D
23-APR-2002 18:01	2-AR1242	011B1101.D
23-APR-2002 16:38	1-AR1232	006B0601.D

Continuing Calibration

15-MAY-2002 02:15	12-AR1660td	055B5501.D
14-MAY-2002 20:44	12-AR1660td	035B3501.D
14-MAY-2002 15:46	12-AR1660td	017B1701.D
14-MAY-2002 12:44	12-AR1660td	006B0601.D
14-MAY-2002 12:28	9-AR2154	005B0501.D
14-MAY-2002 12:11	3-AR1248	004B0401.D
14-MAY-2002 11:54	2-AR1242	003B0301.D
14-MAY-2002 11:38	1-AR1232	002B0201.D

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\002B0201.D
 Report Date: 15-May-2002 07:48

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\002B0201.D
 Lab Smp Id: 1232
 Inj Date : 14-MAY-2002 11:38
 Operator : 1808
 Smp Info : 1232,,2
 Misc Info : 1-AR1232.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 1-AR1232.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
4 AROCLOR-1232			CAS #: 11141-16-5			
2.417	2.417	(0.000)	1030909	0.50000	0.4998 75.00- 125.00	100.00
2.738	2.738	(0.000)	619598	0.50000	0.5038 45.08- 75.13	60.10
3.112	3.112	(0.000)	1176732	0.50000	0.5158 85.61- 142.68	114.15
3.230	3.230	(0.000)	611473	0.50000	0.5071 44.49- 74.14	59.31
3.691	3.691	(0.000)	418747	0.50000	0.5040 30.46- 50.77	40.62
Average of Peak Amounts =				0.506		

Data File: \\qpcand04\dd\Nohem\GCS\adp4.i\020514-2.b\00280204.D
Date: 14-MAY-2002 11:38

Client ID:

Sample Info: 1232,,2

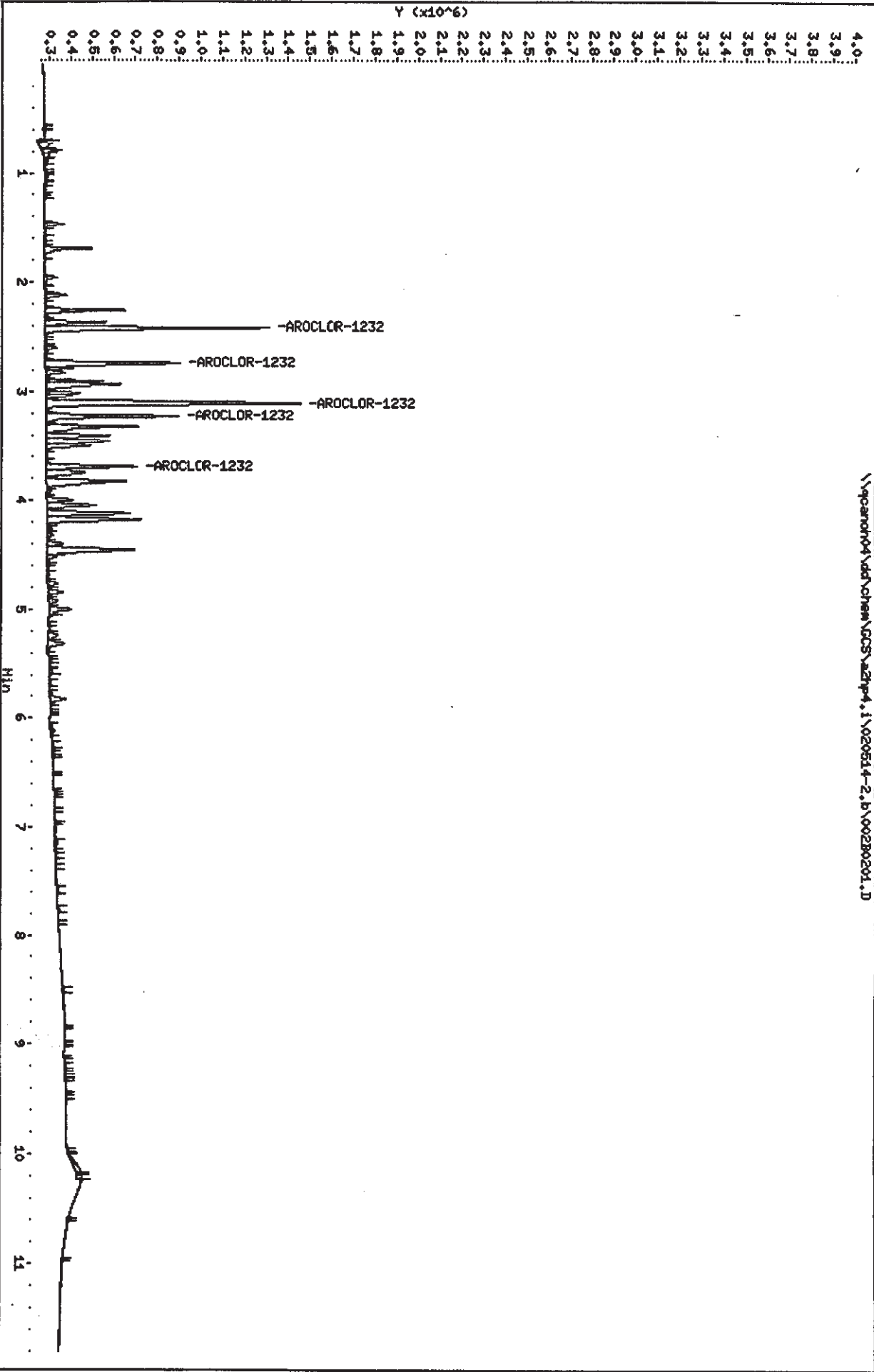
Column phase: restek pest c1p1

Instrument: adp4.i

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\003B0301.D
 Report Date: 15-May-2002 07:48

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\003B0301.D
 Lab Smp Id: 1242
 Inj Date : 14-MAY-2002 11:54
 Operator : 1808
 Smp Info : 1242,,2
 Misc Info : 2-AR1242.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05
 Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 2-AR1242.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
5 AROCLOR-1242			CAS #: 53469-21-9			
2.415	2.415	(0.000)	800050	0.50000	0.5174 75.00- 125.00	100.00
2.736	2.736	(0.000)	1157062	0.50000	0.5242 108.47- 180.78	144.62
3.110	3.110	(0.000)	2154699	0.50000	0.5066 201.99- 336.65	269.32
3.229	3.229	(0.000)	1133651	0.50000	0.5096 106.27- 177.12	141.70
3.689	3.689	(0.000)	878592	0.50000	0.5105 82.36- 137.27	109.82
Average of Peak Amounts =				0.514		

Data File: \\qpcrn04\vd\chem\CCS\A2hp4.i\020514-2.b\003B0301.D
Date : 14-MAY-2002 11:54

Client ID:

Sample Info: 1242,,2

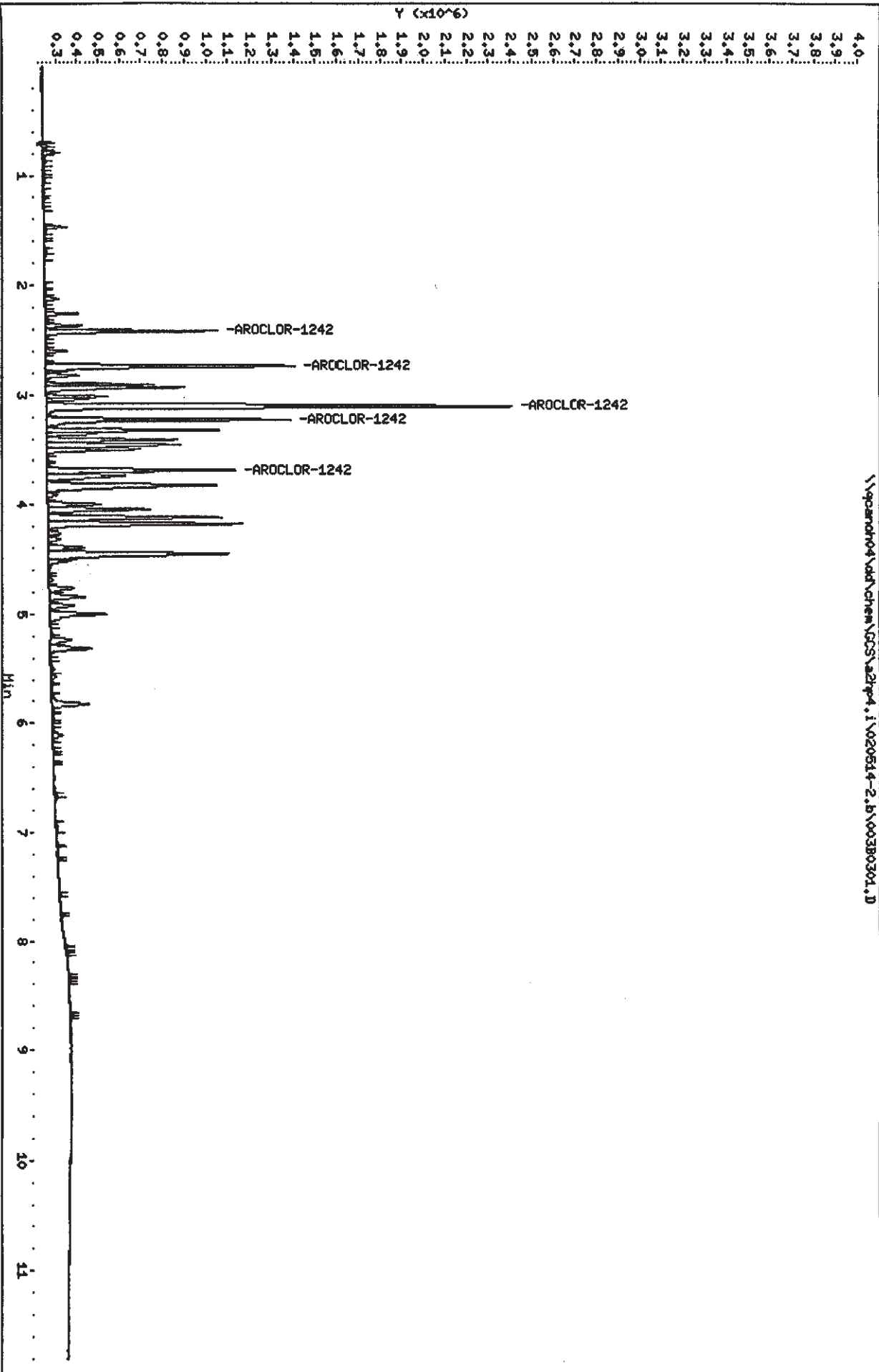
Column phase: restek pest c1p1

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53

\\qpcrn04\vd\chem\CCS\A2hp4.i\020514-2.b\003B0301.D



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\004B0401.D
 Report Date: 15-May-2002 07:49

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\004B0401.D
 Lab Smp Id: 1248
 Inj Date : 14-MAY-2002 12:11
 Operator : 1808
 Smp Info : 1248,,2
 Misc Info : 3-AR1248.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 3-AR1248.sub
 Sample Matrix: None

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	-----	-----	-----	-----	-----
6 AROCLOR-1248				CAS #: 12672-29-6			
2.738	2.738	(0.000)	595722	0.50000	0.5035	75.00- 125.00	100.00
3.691	3.691	(0.000)	1433963	0.50000	0.5016	180.53- 300.89	240.71
4.120	4.120	(0.000)	1486246	0.50000	0.4866	187.11- 311.86	249.49
4.457	4.457	(0.000)	1380444	0.50000	0.5026	173.79- 289.66	231.73
5.001	5.001	(0.000)	754991	0.50000	0.5030	95.05- 158.42	126.74
Average of Peak Amounts =				0.499			

Data File: \\pcan0104\add\chem\GC5\az2hp4.1\020514-2.1\004B0401.D
Date: 14-May-2002 12:11

Client ID:

Sample Info: 1248,2

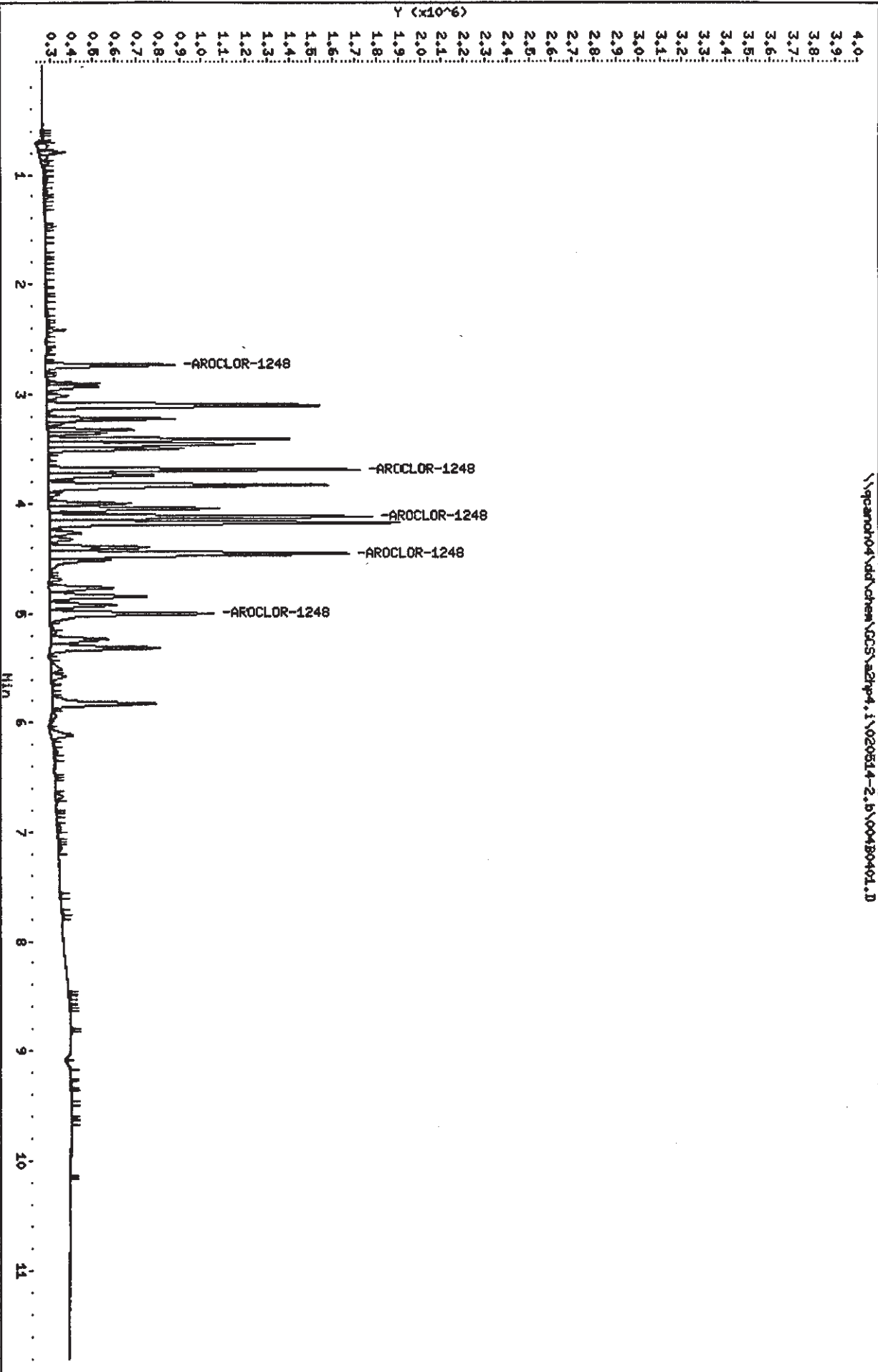
Column phase: restek pest c1p1

Instrument: az2hp4.1

Operator: 1808

Column diameter: 0.53

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Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\005B0501.D
 Report Date: 15-May-2002 07:49

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\005B0501.D
 Lab Smp Id: 2154
 Inj Date : 14-MAY-2002 12:28
 Operator : 1808
 Smp Info : 2154,,2
 Misc Info : 9-AR2154.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 9-AR2154.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ng)	-----	-----
7 AROCLOR-1254						
			CAS #: 11097-69-1			
3.411	3.411	(0.000)	905887	0.50000	0.4932 75.00- 125.00	100.00
4.396	4.396	(0.000)	1627193	0.50000	0.4920 134.72- 224.53	179.62
5.000	5.000	(0.000)	2321372	0.50000	0.4916 192.19- 320.32	256.25
5.315	5.315	(0.000)	1527807	0.50000	0.4771 126.49- 210.82	168.65
6.109	6.109	(0.000)	1560202	0.50000	0.5119 129.17- 215.29	172.23
Average of Peak Amounts =				0.493		

2 AROCLOR-1221						
			CAS #: 11104-28-2			
1.256	2.256	(0.000)	571851	0.50000	0.4954 75.00- 125.00	100.00
2.367	2.367	(0.000)	379384	0.50000	0.4972 49.76- 82.93	66.34
2.416	2.416	(0.000)	1257563	0.50000	0.5030 164.93- 274.89	219.91
Average of Peak Amounts =				0.499		

Data File: \\pcan04\dat\chem\GCS\azhp4.1\020514-2.b\00580501.D
Date: 14-MAY-2002 12:28

Client ID:

Sample Info: 2154,2

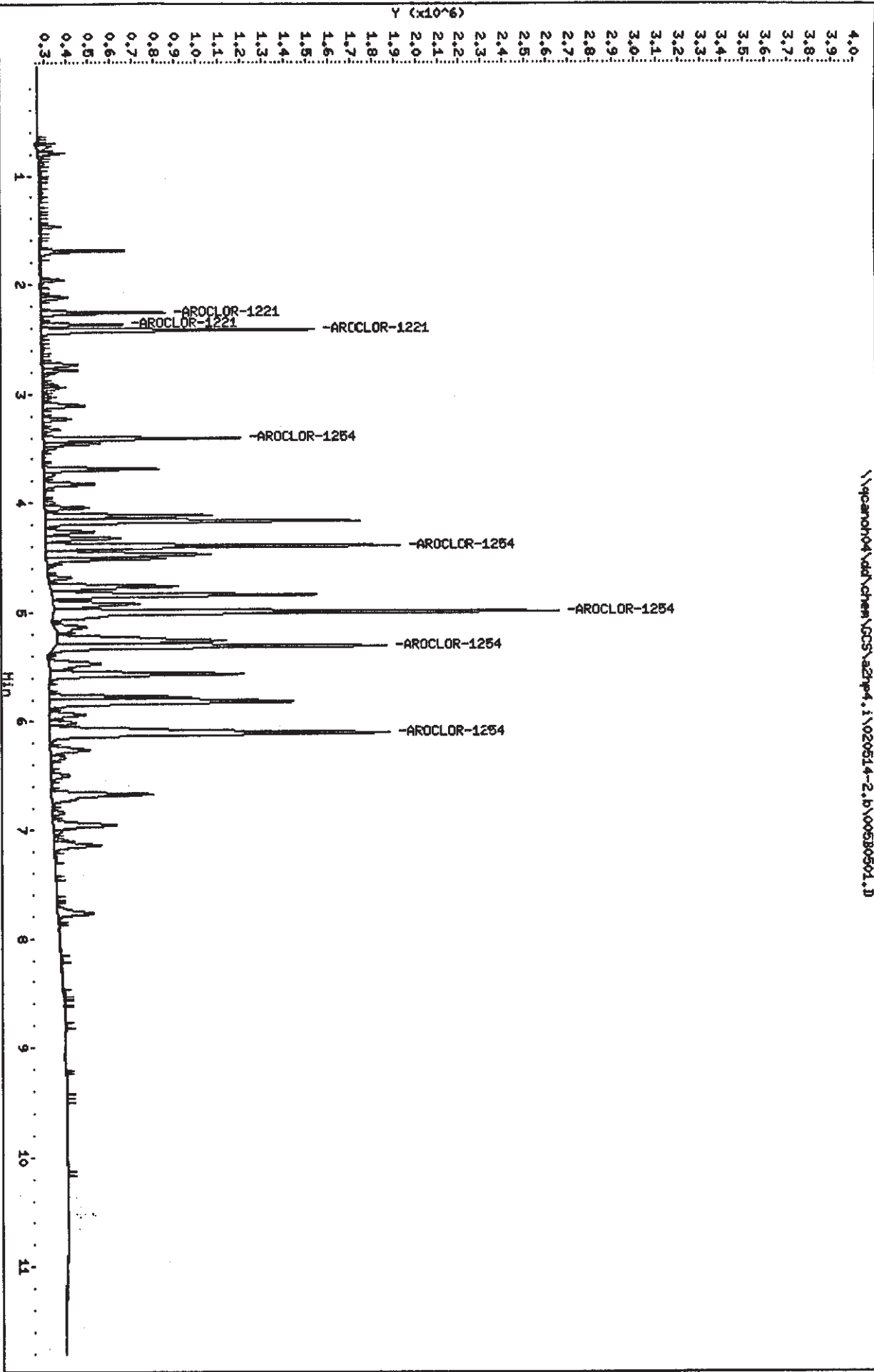
Column phase: restek pest c1p1

Instrument: azhp4.1

Operator: 1808

Column diameter: 0.53

\\pcan04\dat\chem\GCS\azhp4.1\020514-2.b\00580501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\017B1701.D
 Report Date: 14-May-2002 15:59

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-MAY-2002 15:46
 Lab File ID: 017B1701.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	123336242	127219040	0.010	3.1	15.0
3 AROCLOR-1016 (1)	1850690	1922054	0.010	3.9	15.0
(2)	2799408	2882078	0.010	3.0	15.0
(3)	5496846	5601406	0.010	1.9	15.0
(4)	2846571	2918442	0.010	2.5	15.0
(5)	2003435	2062758	0.010	3.0	15.0
8 AROCLOR-1260 (1)	3343403	3384396	0.010	1.2	15.0
(2)	3525051	3609570	0.010	2.4	15.0
(3)	2465356	2578764	0.010	4.6	15.0
(4)	5597679	6057202	0.010	8.2	15.0
(5)	3054695	3283336	0.010	7.5	15.0
\$ 9 DCB	40864336	41588120	0.010	1.8	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\017B1701.D
 Report Date: 15-May-2002 07:52

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\017B1701.D
 Lab Smp Id: 1660
 Inj Date : 14-MAY-2002 15:46
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ng)		
---	-----	-----	-----	-----	-----	-----

\$ 1 TCMX			CAS #: 877-09-8			
2.038	2.040	(-0.002)	3180476	0.02500	0.02579	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.415	2.418	(-0.003)	961027	0.50000	0.5193	75.00- 125.00 100.00
2.736	2.739	(-0.003)	1441039	0.50000	0.5148	115.21- 192.02 149.95
3.110	3.113	(-0.003)	2800703	0.50000	0.5095	206.65- 344.41 291.43
3.229	3.231	(-0.002)	1459221	0.50000	0.5126	112.36- 187.26 151.84
3.324	3.327	(-0.003)	1031379	0.50000	0.5148	81.05- 135.08 107.32
Average of Peak Amounts =			0.514			

8 AROCLOR-1260			CAS #: 11096-82-5			
5.267	5.271	(-0.004)	1692198	0.50000	0.5061	75.00- 125.00 100.00
6.106	6.111	(-0.005)	1804785	0.50000	0.5120	82.18- 136.97 106.65
6.719	6.724	(-0.005)	1289382	0.50000	0.5230	56.35- 93.92 76.20
7.141	7.145	(-0.004)	3028601	0.50000	0.5410	127.40- 212.34 178.97
7.769	7.774	(-0.005)	1641668	0.50000	0.5374	72.54- 120.90 97.01
Average of Peak Amounts =			0.524			

9 DCB			CAS #: 2051-24-3			
10.077	10.084	(-0.007)	1039703	0.02500	0.02544	

Data File: \\qparm04\dd\chem\CCS\azhp4.i\020614-2.b\01781701.D
Date: 14-MAY-2002 15:46

Client ID:

Sample Info: 1660,2

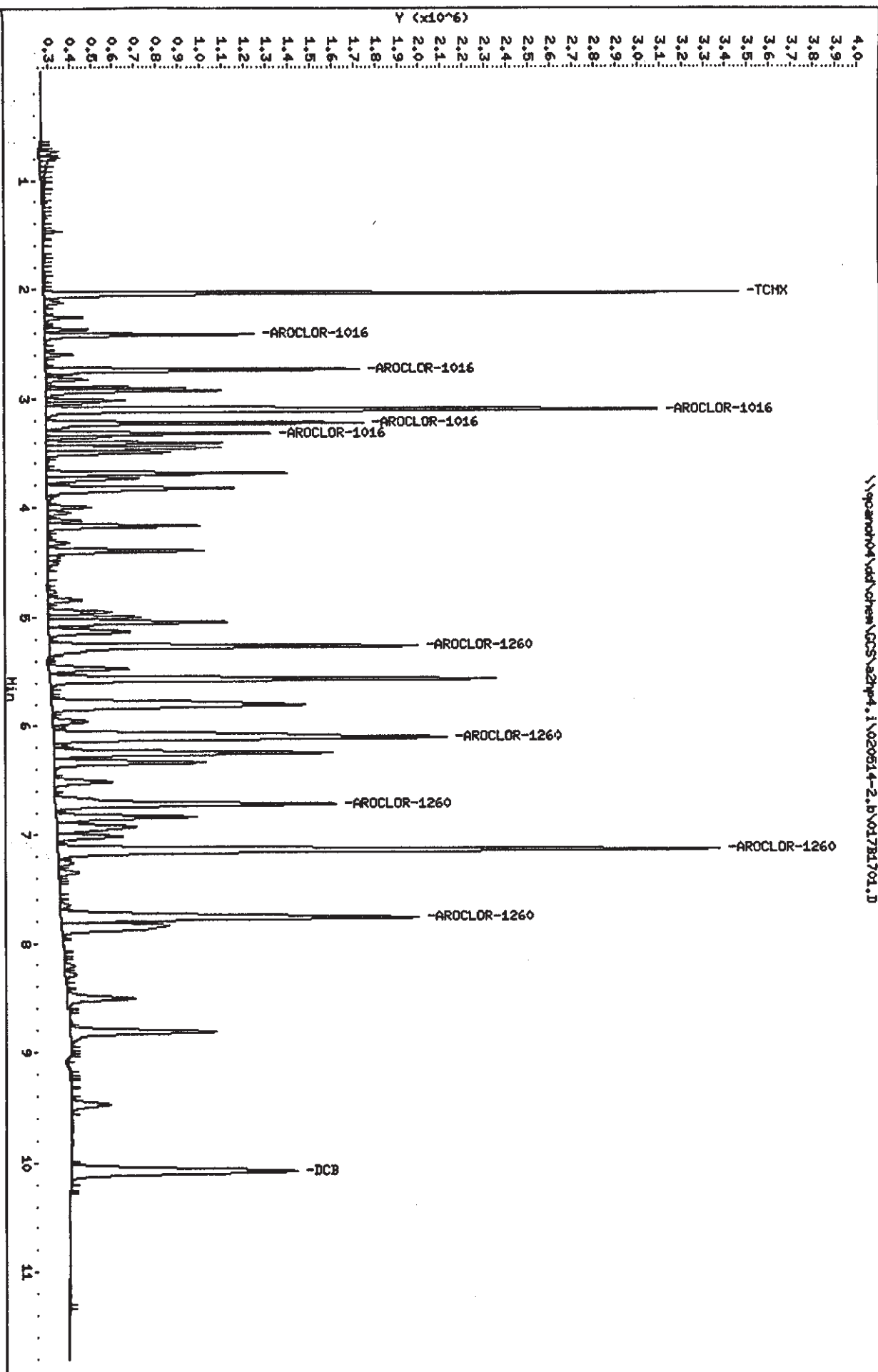
Column phase: restek pest c1p1

Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

\\qparm04\dd\chem\CCS\azhp4.i\020614-2.b\01781701.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\035B3501.D
 Report Date: 14-May-2002 20:57

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 14-MAY-2002 20:44
 Lab File ID: 035B3501.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	123336242	135091160	0.010	9.5	15.0
3 AROCLOR-1016 (1)	1850690	2012606	0.010	8.7	15.0
(2)	2799408	2976414	0.010	6.3	15.0
(3)	5496846	5458276	0.010	-0.7	15.0
(4)	2846571	2834006	0.010	-0.4	15.0
(5)	2003435	1965546	0.010	-1.9	15.0
8 AROCLOR-1260 (1)	3343403	3283402	0.010	-1.8	15.0
(2)	3525051	3445698	0.010	-2.3	15.0
(3)	2465356	2425358	0.010	-1.6	15.0
(4)	5597679	5581070	0.010	-0.3	15.0
(5)	3054695	3120304	0.010	2.1	15.0
\$ 9 DCB	40864336	40835440	0.010	-0.1	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\035B3501.D
 Report Date: 15-May-2002 07:56

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\035B3501.D
 Lab Smp Id: 1660
 Inj Date : 14-MAY-2002 20:44
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
..

§ 1 TCMX			CAS #: 877-09-8			
2.041	2.040	(0.001)	3377279	0.02500	0.02738	

3 AROCLOR-1016			CAS #: 12674-11-2			
2.419	2.418	(0.001)	1006303	0.50000	0.5437	75.00- 125.00 100.00
2.739	2.739	(0.000)	1488207	0.50000	0.5316	115.21- 192.02 147.89
3.113	3.113	(0.000)	2729138	0.50000	0.4965	206.65- 344.41 271.20
3.232	3.231	(0.001)	1417003	0.50000	0.4978	112.36- 187.26 140.81
3.327	3.327	(0.000)	982773	0.50000	0.4905	81.05- 135.08 97.66
Average of Peak Amounts =					0.512	

§ AROCLOR-1260			CAS #: 11096-82-5			
5.272	5.271	(0.001)	1641701	0.50000	0.4910	75.00- 125.00 100.00
6.111	6.111	(0.000)	1722849	0.50000	0.4887	82.18- 136.97 104.94
6.724	6.724	(0.000)	1212679	0.50000	0.4919	56.35- 93.92 73.87
7.147	7.145	(0.002)	2790535	0.50000	0.4985	127.40- 212.34 169.98
7.774	7.774	(0.000)	1560152	0.50000	0.5107	72.54- 120.90 95.03
Average of Peak Amounts =					0.496	

§ 9 DCB			CAS #: 2051-24-3			
10.085	10.084	(0.001)	1020886	0.02500	0.02498	

Data File: \\separat04\vdv\chem\NCS\azhp4.i\020614-2.b\03833501.D

Date: 14-MAY-2002 20:44

Client ID:

Sample Info: 1660,2

Column phase: restek pest c1pi

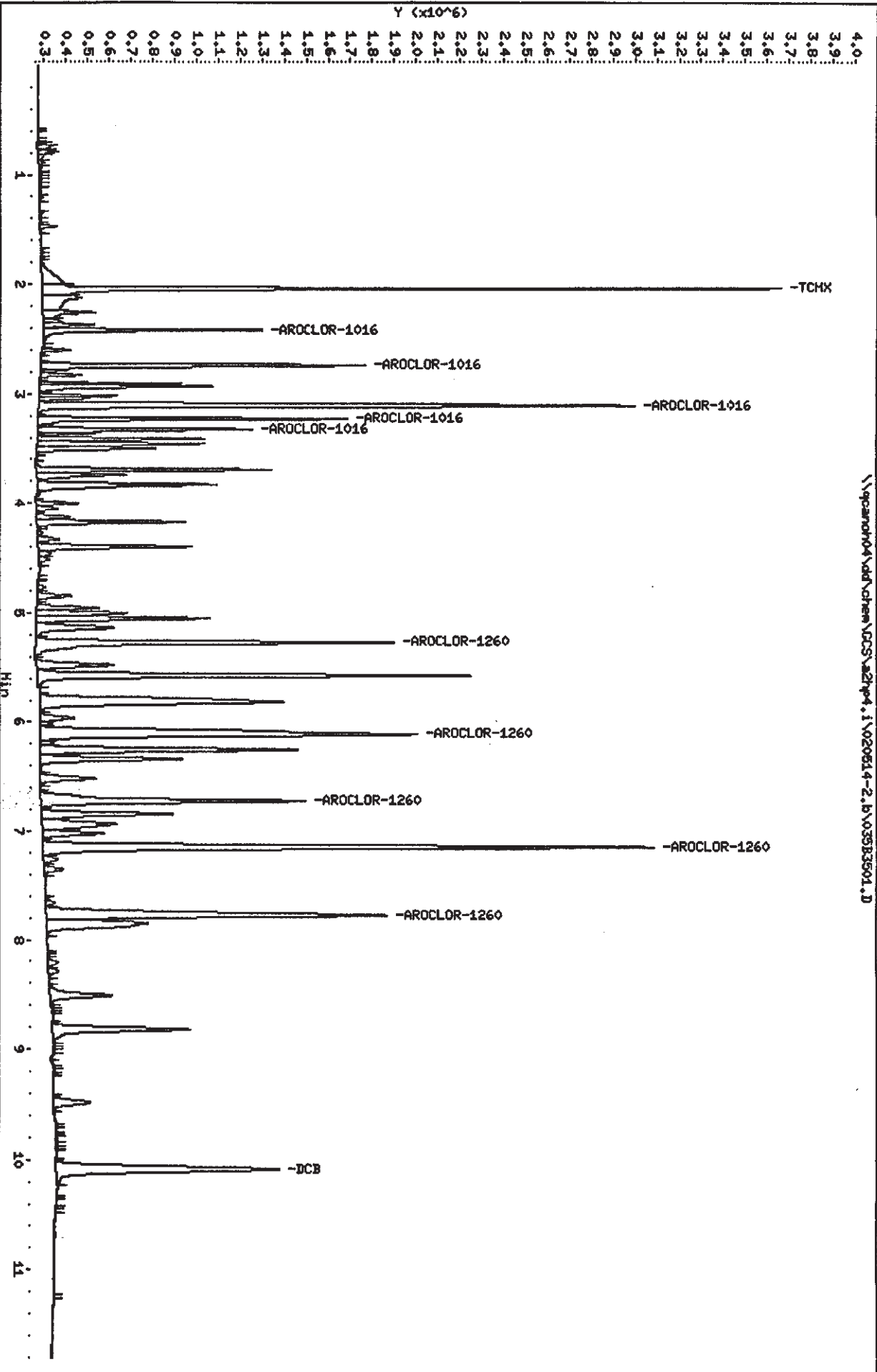
Instrument: azhp4.i

Operator: 1808

Column diameter: 0.53

Column phase: restek pest c1pi

\\separat04\vdv\chem\NCS\azhp4.i\020614-2.b\03833501.D



Data File: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\055B5501.D
 Report Date: 15-May-2002 02:28

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 15-MAY-2002 02:15
 Lab File ID: 055B5501.D Init. Cal. Date(s): 13-JAN-2002 23-APR-2002
 Analysis Type: Init. Cal. Times: 20:33 22:09
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
\$ 1 TCMX	123336242	123400280	0.010	0.1	15.0
3 AROCLOR-1016(1)	1850690	1873512	0.010	1.2	15.0
(2)	2799408	2878004	0.010	2.8	15.0
(3)	5496846	5162118	0.010	-6.1	15.0
(4)	2846571	2806694	0.010	-1.4	15.0
(5)	2003435	2024520	0.010	1.1	15.0
8 AROCLOR-1260(1)	3343403	3356696	0.010	0.4	15.0
(2)	3525051	3678220	0.010	4.3	15.0
(3)	2465356	2522214	0.010	2.3	15.0
(4)	5597679	5701960	0.010	1.9	15.0
(5)	3054695	3246570	0.010	6.3	15.0
\$ 9 DCB	40864336	41646560	0.010	1.9	15.0

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\055B5501.D
 Report Date: 15-May-2002 08:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\055B5501.D
 Lab Smp Id: 1660
 Inj Date : 15-MAY-2002 02:15
 Operator : 1808
 Smp Info : 1660,,2
 Misc Info : 12-AR1660td.sub
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm
 Cal Date : 23-APR-2002 22:09
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: QCANOH05

Inst ID: a2hp4.i
 Quant Type: ESTD
 Cal File: 026B2601.D
 Continuing Calibration Sample
 Compound Sublist: 12-AR1660td.sub
 Sample Matrix: None

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ng)	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE RATIO
---	-----	-----	-----	-----	-----	-----

# 1 TCMX					CAS #: 877-09-8	
2.040	2.040	(0.000)	3085007	0.02500	0.02501	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.418	2.418	(0.000)	936756	0.50000	0.5062	75.00- 125.00 100.00
2.739	2.739	(0.000)	1439002	0.50000	0.5140	115.21- 192.02 153.62
3.113	3.113	(0.000)	2581059	0.50000	0.4696	206.65- 344.41 275.53
3.231	3.231	(0.000)	1403347	0.50000	0.4930	112.36- 187.26 149.81
3.327	3.327	(0.000)	1012260	0.50000	0.5053	81.05- 135.08 108.06
Average of Peak Amounts =					0.498	

8 AROCLOR-1260 CAS #: 11096-82-5						
5.271	5.271	(0.000)	1678348	0.50000	0.5020	75.00- 125.00 100.00
6.111	6.111	(0.000)	1839110	0.50000	0.5217	82.18- 136.97 109.58
6.724	6.724	(0.000)	1261107	0.50000	0.5115	56.35- 93.92 75.14
7.145	7.145	(0.000)	2850980	0.50000	0.5093	127.40- 212.34 169.87
7.774	7.774	(0.000)	1623285	0.50000	0.5314	72.54- 120.90 96.72
Average of Peak Amounts =					0.515	

9 DCB CAS #: 2051-24-3						
10.084	10.084	(0.000)	1041164	0.02500	0.02548	

Data File: \\qpcand04\vol\chem\GC5\adhp4.i\020514-2.1b\055B5501.D
Date: 15-MAY-2002 02:15

Instrument: adhp4.i

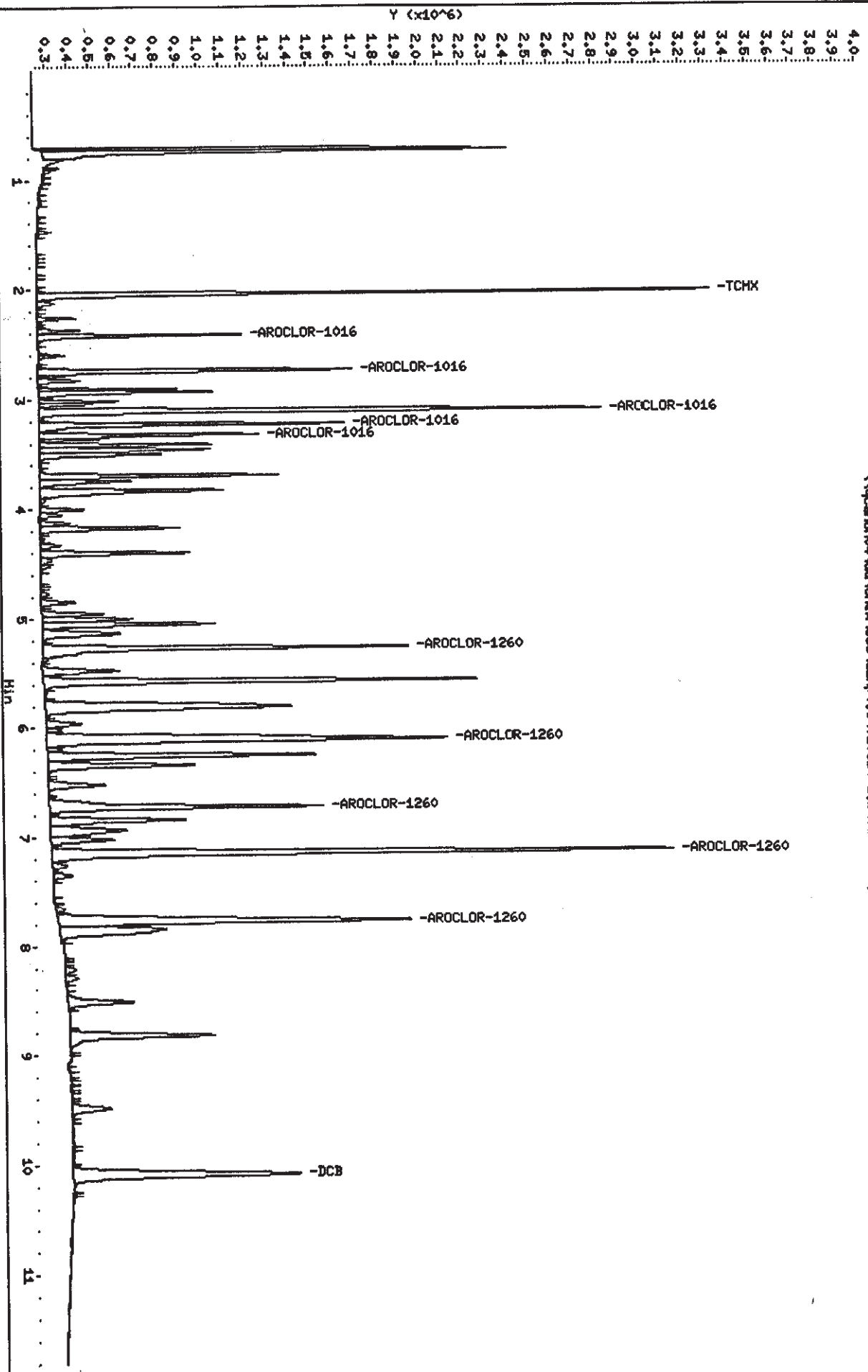
Client ID:

Sample Info: 1560,2

Operator: 1808
Column diameter: 0.53

Column phase: restek_pest_olp1

\\qpcand04\vol\chem\GC5\adhp4.i\020514-2.1b\055B5501.D





RAW QC DATA

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07P21AC Matrix.....: SOLID
 LCS Lot-Sample#: A2E100000-168
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	97	(49 - 122)	SW846 8082
Aroclor 1260	109	(51 - 127)	SW846 8082
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene		98	(31 - 127)
Decachlorobiphenyl		106	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07P21AC Matrix.....: SOLID
 LCS Lot-Sample#: A2E100000-168
 Prep Date.....: 05/10/02 Analysis Date...: 05/15/02
 Prep Batch #...: 2130168
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	320	ug/kg	97	SW846 8082
Aroclor 1260	330	360	ug/kg	109	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	98	(31 - 127)
Decachlorobiphenyl	106	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\054B5401.D
 Lab Smp Id: E07P21AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 15-MAY-2002 01:59
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07P21AC
 Misc Info : 12-AR1660td.sub,SLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

CONCENTRATIONS
 ON-COL FINAL

RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO

\$ 1	TCMX					CAS #: 877-09-8	
2.041	2.040	(0.001)		2406036	0.01951	6.903	

3	AROCLOR-1016					CAS #: 12674-11-2	
2.419	2.418	(0.001)		1752668	0.94703	315.7 75.00- 125.00	100.00
2.740	2.739	(0.001)		2667544	0.95290	317.6 115.21- 192.02	152.20
3.113	3.113	(0.000)		5395643	0.98159	327.2 206.65- 344.41	307.85
3.232	3.231	(0.001)		2807221	0.98618	328.7 112.36- 187.26	160.17
3.327	3.327	(0.000)		1951641	0.97415	324.7 81.05- 135.08	111.35
	Average of Peak Concentrations =				322.8		

8	AROCLOR-1260					CAS #: 11096-82-5	
5.271	5.271	(0.000)		3427457	1.02514	341.7 75.00- 125.00	100.00
6.110	6.111	(-0.001)		3775335	1.07100	357.0 82.18- 136.97	110.15
6.722	6.724	(-0.002)		2640089	1.07088	357.0 56.35- 93.92	77.03

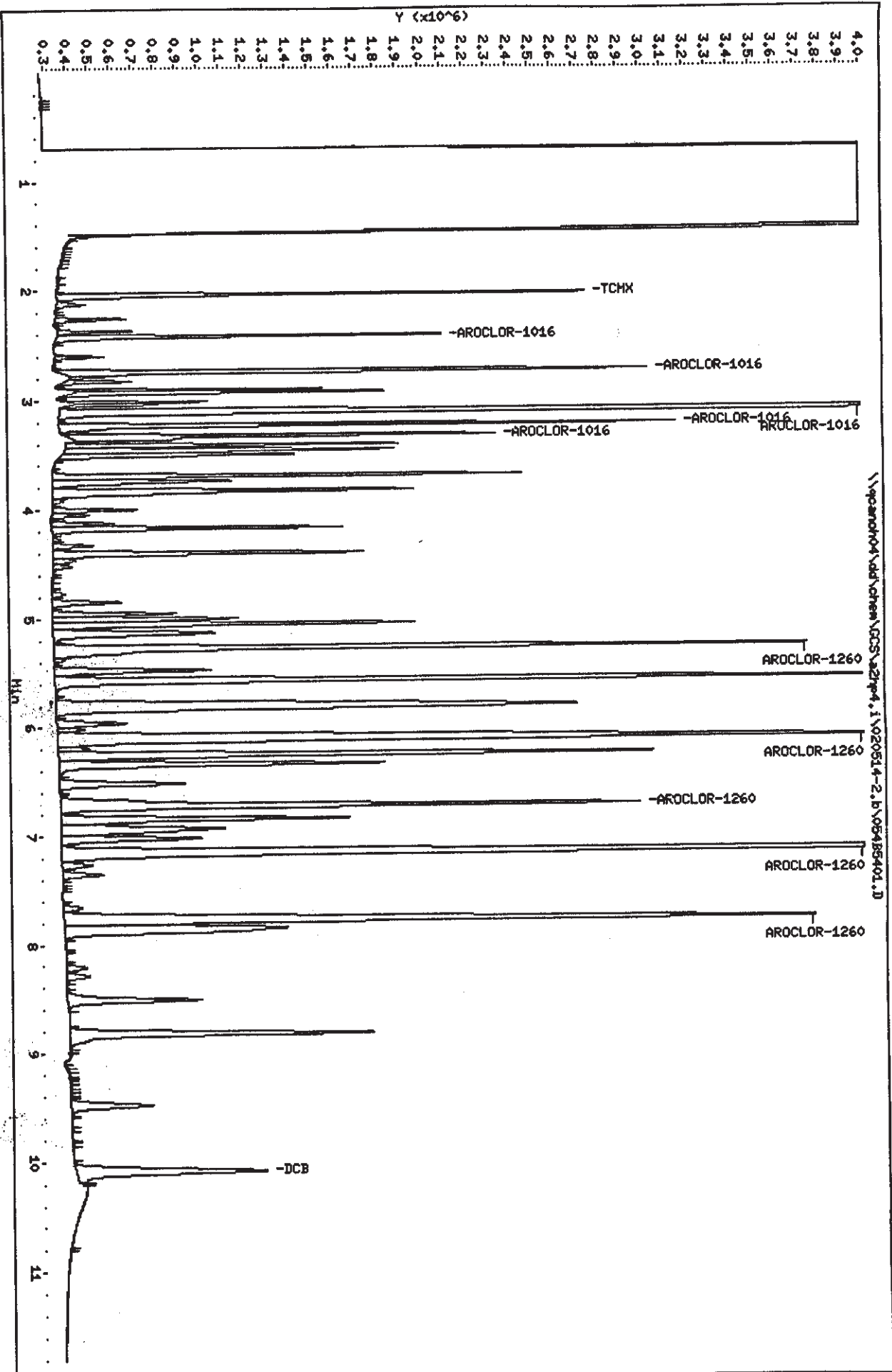
Data File: \\qcanoh04\dd\chem\GCS\A2hp4.i\020514-2.b\054B5401.D
 Report Date: 15-May-2002 08:00

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO
..
8 AROCLOR-1260 (continued)							
7.145	7.145	(0.000)	6379709	1.13971	379.9	127.40- 212.34	186.14
7.772	7.774	(-0.002)	3419579	1.11945	373.2	72.54- 120.90	99.77
Average of Peak Concentrations =					361.8		

§ 9 DCB					CAS #: 2051-24-3		
10.082	10.084	(-0.002)	868123	0.02124	7.081		

Data File: \\qpcard04\dd\chem\CCS\27p4.1\020514-2.b\054B5401.D
Date: 15-MAY-2002 01:59
Client ID: INTR-LAB CHECK
Sample Info: E07P21AC
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: a27p4.1
Operator: 1808
Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07WC1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2E100000-218 E07WC1AD-LCSD
 Prep Date.....: 05/10/02 Analysis Date...: 05/13/02
 Prep Batch #...: 2130218
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	115	(61 - 118)			SW846 8082
	112	(61 - 118)	3.1	(0-20)	SW846 8082
Aroclor 1260	98	(61 - 124)			SW846 8082
	98	(61 - 124)	0.11	(0-27)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	116	(45 - 120)
	113	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	29	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07WC1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A2E100000-218 E07WC1AD-LCSD
 Prep Date.....: 05/10/02 Analysis Date...: 05/13/02
 Prep Batch #...: 2130218
 Dilution Factor: 5 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 1000 mL

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	10	12	ug/L	115		SW846 8082
	10	11	ug/L	112	3.1	SW846 8082
Aroclor 1260	10	9.8	ug/L	98		SW846 8082
	10	9.8	ug/L	98	0.11	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	116	(45 - 120)
	113	(45 - 120)
Decachlorobiphenyl	34	(24 - 128)
	29	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\030B3001.D
 Lab Smp Id: E07WC1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 13-MAY-2002 23:48 Inst ID: a2hp4.i
 Operator : 1808
 Smp Info : E07WC1AC,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----

1	1.841	1.842 (-0.001)	3366879	0.02311	0.2311	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.077	2.079	(-0.002)	2572287	1.13901	11.39 75.00- 125.00	100.00
2.326	2.329	(-0.003)	4046921	1.16636	11.66 116.89- 194.82	157.33
2.666	2.669	(-0.003)	7524284	1.12895	11.29 219.02- 365.04	292.51
2.765	2.767	(-0.002)	4106339	1.15651	11.56 116.55- 194.24	159.64
2.811	2.813	(-0.002)	3029901	1.16585	11.66 84.84- 141.40	117.79
Average of Peak Concentrations =				11.51		

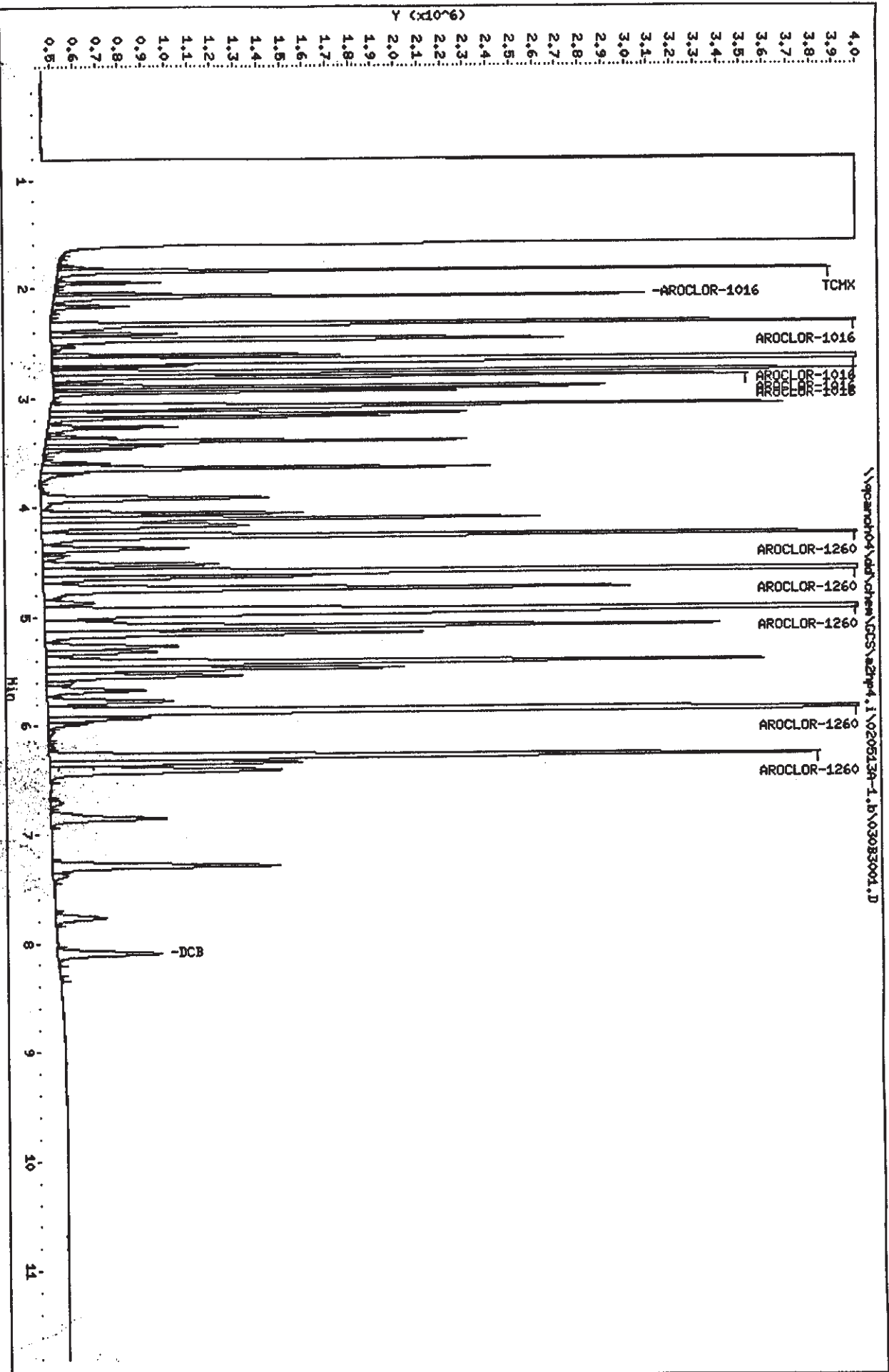
8 AROCLOR-1260 CAS #: 11096-82-5						
4.263	4.267	(-0.004)	4541086	1.07600	10.76 75.00- 125.00	100.00
4.595	4.599	(-0.004)	6770901	1.04742	10.47 114.20- 190.34	149.10
4.944	4.947	(-0.003)	5595832	1.04831	10.48 80.62- 134.36	123.23

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	ng)	((-----	-----
			ug/L)				
8 AROCLOR-1260 (continued)							
5.870	5.874	(-0.004)	6581831 0.88438	8.844	129.42-	215.70	144.94
6.287	6.291	(-0.004)	3360066 0.86910	8.691	65.79-	109.66	73.99
Average of Peak Concentrations =				9.849			

8.095	8.099	(-0.004)	454012 0.00671	0.06713	CAS #: 2051-24-3		

Data File: \\pcanor04\dd\chem\DCS\azhp4.1\020513a-1.b\03083001.D
 Date: 13-MAY-2002 23:48
 Client ID: INTR-LAB CHECK
 Sample Info: E07MCL0C.5
 Purge Volume: 1000.0
 Column phase: restek pest c1p1

Instrument: azhp4.1
 Operator: 1808
 Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\031B3101.D
 Report Date: 14-May-2002 09:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\031B3101.D
 Lab Smp Id: E07WC1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 14-MAY-2002 00:04
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07WC1AD,5
 Misc Info : 12-AR1660td.sub,HLCS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: METHOD SPIKE
 Dil Factor: 5.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	5.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

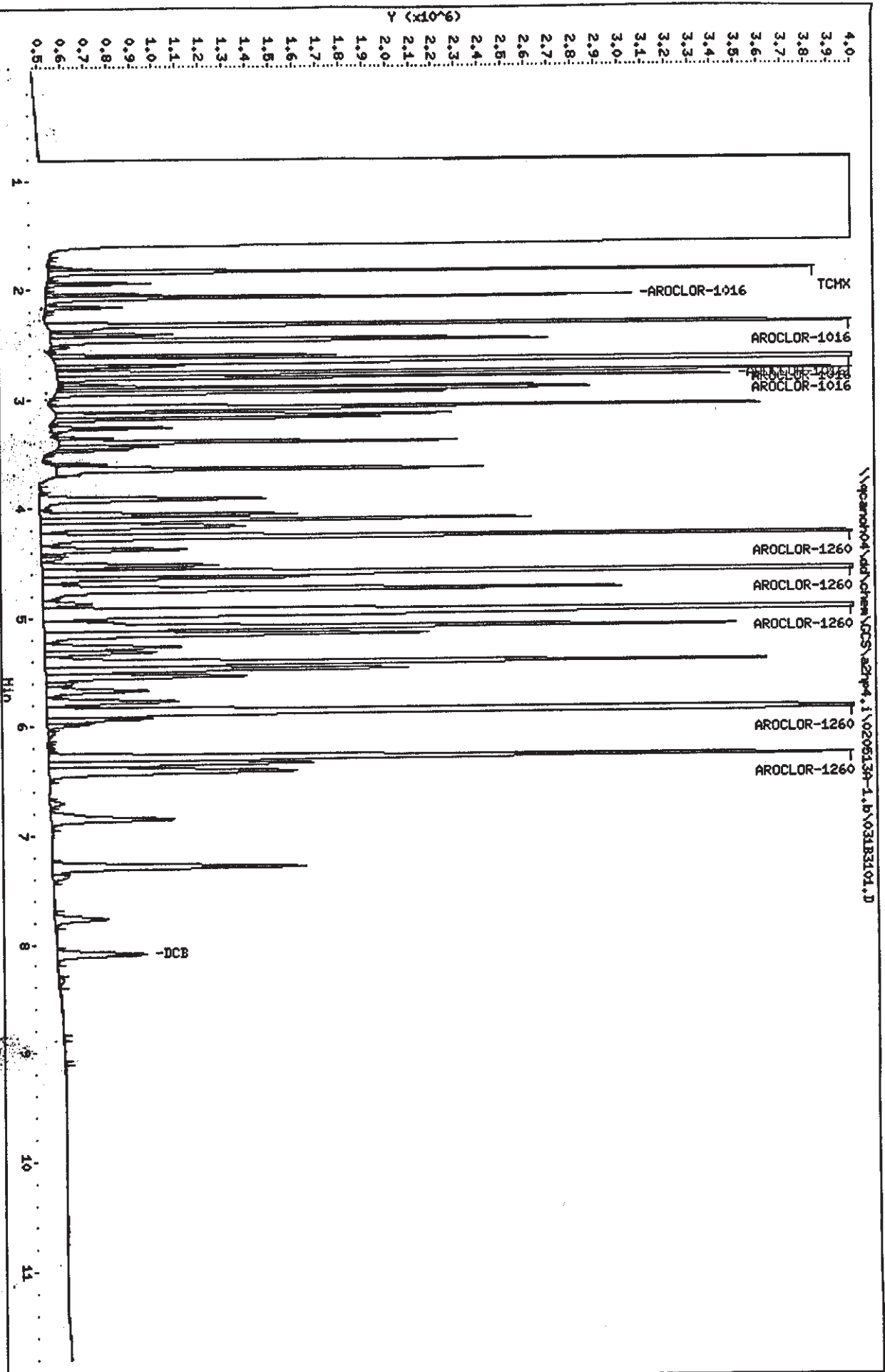
CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
---	-----	-----	RESPONSE (ng)	(ug/L)	-----	-----
# 1 TCMX CAS #: 877-09-8						
1.840	1.842	(-0.002)	3301366	0.02266	0.2266	
# 3 AROCLOR-1016 CAS #: 12674-11-2						
2.076	2.079	(-0.003)	2529422	1.12003	11.20 75.00- 125.00	100.00
2.326	2.329	(-0.003)	3956986	1.14044	11.40 116.89- 194.82	156.44
2.666	2.669	(-0.003)	7258810	1.08911	10.89 219.02- 365.04	286.98
2.763	2.767	(-0.004)	3962845	1.11610	11.16 116.55- 194.24	156.67
2.810	2.813	(-0.003)	2899170	1.11554	11.16 84.84- 141.40	114.62
Average of Peak Concentrations =				11.16		
# 4 AROCLOR-1260 CAS #: 11096-82-3						
4.262	4.267	(-0.005)	4469582	1.05906	10.59 75.00- 125.00	100.00
4.592	4.599	(-0.007)	6599930	1.02097	10.21 114.20- 190.34	147.66
4.942	4.947	(-0.005)	5464667	1.02374	10.24 80.62- 134.36	122.26

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
			ng)	(	ug/L)		
-----	-----	-----	-----	-----	-----	-----	-----
8 AROCLOR-1260 (continued)							
5.868	5.874	(-0.006)	6826679	0.91728	9.173	129.42- 215.70	152.74
6.285	6.291	(-0.006)	3470236	0.89759	8.976	65.79- 109.66	77.64
Average of Peak Concentrations =					9.838		

8	9	DCB					CAS #: 2051-24-3
8.090	8.099	(-0.009)	391815	0.00579	0.05794		

Data File: \\qoanoh04\ad\chem\GCS\az2hp4.1\020613p-1.6\031B3101.D
 Date: 14-MAY-2002 00:04
 Client ID: INTR-LAB CHECK
 Sample Info: E07MCLAD,5
 Purge Volume: 1000.0
 Column phase: restek pest c1p1

Instrument: az2hp4.1
 Operator: 1808
 Column diameter: 0.53



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07P21AA Matrix.....: SOLID
 MB Lot-Sample #: A2E100000-168 Prep Date.....: 05/10/02 Final Wgt/Vol...: 10 mL
 Analysis Date...: 05/15/02 Prep Batch #...: 2130168
 Dilution Factor: 1 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	68	(31 - 127)
Decachlorobiphenyl	89	(23 - 141)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\053B5301.D
 Report Date: 15-May-2002 08:00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\053B5301.D
 Lab Smp Id: E07P21AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 15-MAY-2002 01:42 Inst ID: a2hp4.i
 Operator : 1808
 Smp Info : E07P21AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/kg)		
# 1 TCX					CAS #: 877-09-8	
2.044	2.040	(0.004)	1671310	0.01355	4.517	

2 AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected						

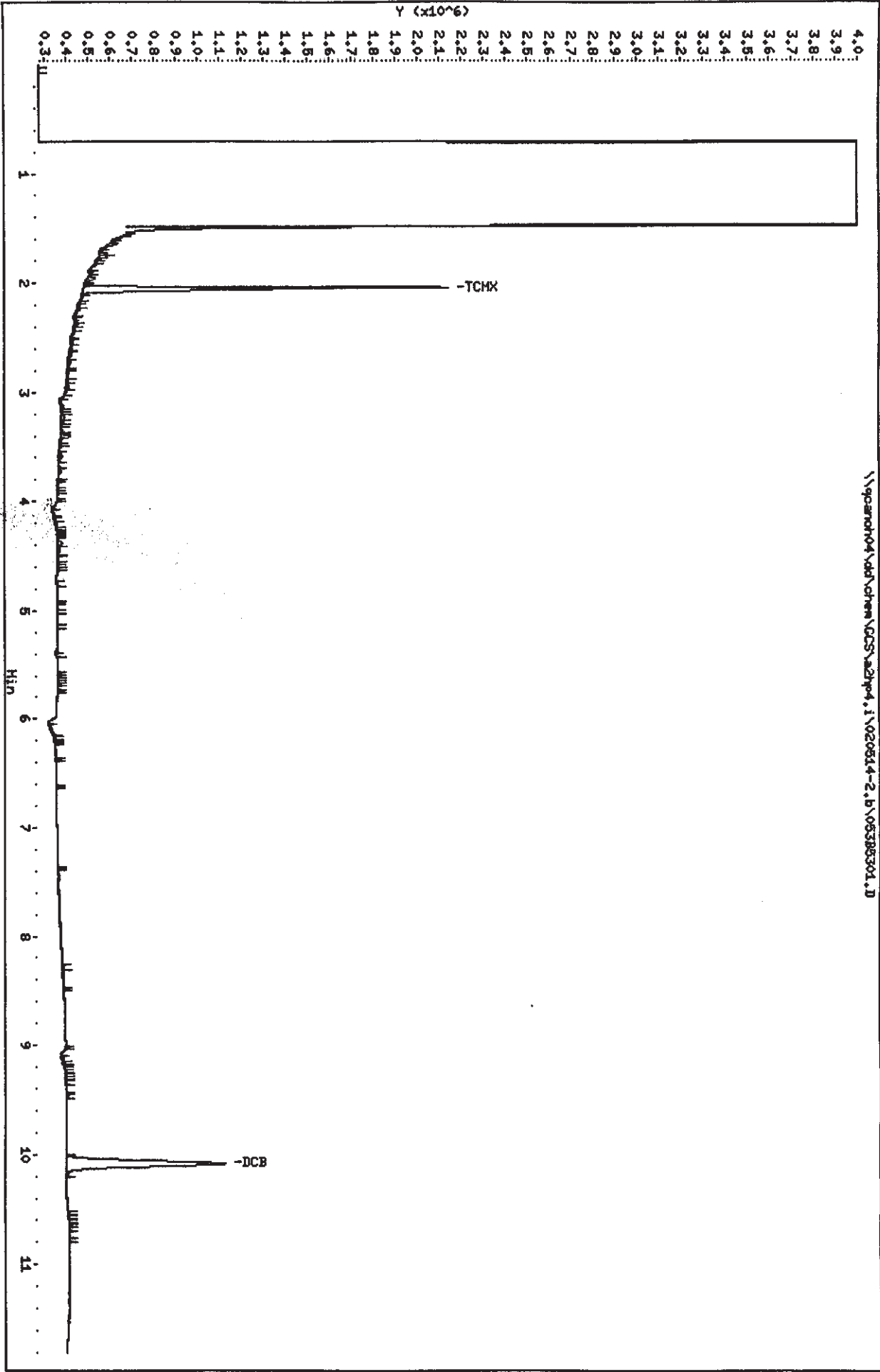
3 AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected						

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
			RESPONSE (ng)	(ug/kg)		
..
4						CAS #: 11141-16-5
Compound Not Detected						
5						CAS #: 53469-21-9
Compound Not Detected						
6						CAS #: 12672-29-6
Compound Not Detected						
7						CAS #: 11097-69-1
Peaks not detected for Quant. or Qual. signal(s).						
8						CAS #: 11096-82-5
Peaks not detected for Quant. or Qual. signal(s).						
10						CAS #:
Operator disabled compound identification.						
12						CAS #:
Operator disabled compound identification.						
#	9	DCB				CAS #: 2051-24-3
10.083	10.084	(-0.001)	723766	0.01771	5.904	

Data File: \\pcanorh04\dat\chem\GC5\adhp4.i\020514-2.1\05385301.D
Date: 15-MAY-2002 01:42
Client ID: INTR0-LAB BLANK
Sample Info: E07P210A
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: adhp4.i
Operator: 1808
Column diameter: 0.53

\\pcanorh04\dat\chem\GC5\adhp4.i\020514-2.1\05385301.D



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A2E100105
 MB Lot-Sample #: A2E100000-218
 Analysis Date...: 05/13/02
 Dilution Factor: 1

Work Order #...: E07WC1AA
 Prep Date.....: 05/10/02
 Prep Batch #...: 2130218
 Initial Wgt/Vol: 1000 mL

Matrix.....: WATER
 Final Wgt/Vol...: 2 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	0.20	ug/L	SW846 8082
Aroclor 1221	ND	0.20	ug/L	SW846 8082
Aroclor 1232	ND	0.40	ug/L	SW846 8082
Aroclor 1242	ND	0.20	ug/L	SW846 8082
Aroclor 1248	ND	0.20	ug/L	SW846 8082
Aroclor 1254	ND	0.20	ug/L	SW846 8082
Aroclor 1260	ND	0.20	ug/L	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	122 *	(45 - 120)
Decachlorobiphenyl	96	(24 - 128)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\029B2901.D
 Report Date: 14-May-2002 09:01

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020513A-1.b\029B2901.D
 Lab Smp Id: E07WC1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 13-MAY-2002 23:31
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07WC1AA
 Misc Info :
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020513A-1.b\HP4PCBF.m
 Meth Date : 14-May-2002 08:54 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.04 Sample Matrix: WATER
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	2000.000	final volume
Vo	1000.000	intitial volume

ND

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/L)		
\$ 1	TCMX				CAS #: 877-09-8	
1.842	1.842	(0.000)	17696833	0.12149	0.2430	

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

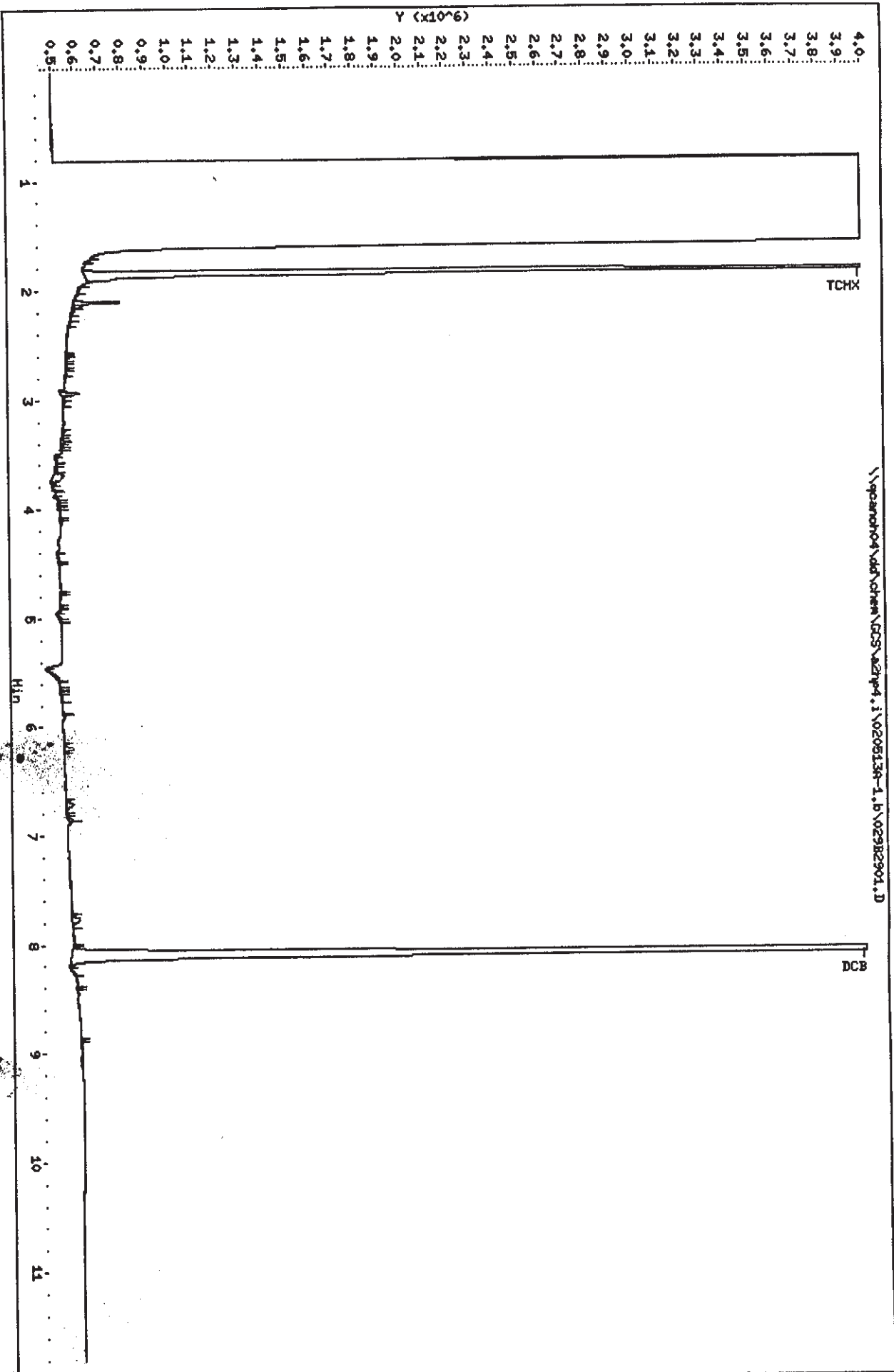
3 AROCLOR-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			RESPONSE (ng)	ON-COL FINAL (ug/L)		
4						
4 AROCLOR-1232			CAS #: 11141-16-5			
Compound Not Detected						
5						
5 AROCLOR-1242			CAS #: 53469-21-9			
Compound Not Detected						
6						
6 AROCLOR-1248			CAS #: 12672-29-6			
Compound Not Detected						
7						
7 AROCLOR-1254			CAS #: 11097-69-1			
Compound Not Detected						
8						
8 AROCLOR-1260			CAS #: 11096-82-5			
Peaks not detected for Quant. or Qual. signal(s).						
10						
10 AROCLOR-1262			CAS #:			
Operator disabled compound identification.						
12						
12 AROCLOR-1268			CAS #:			
Operator disabled compound identification.						
9						
9 DCB			CAS #: 2051-24-3			
8.093	8.099	(-0.006)	6495268	0.09604	0.1921	

Data File: \\parran04\dd\chem\GCS\az1p4.i\020513p-1.b\02982901.D
 Date: 13-MAY-2002 23:31
 Client ID: INTR-LAB BLANK
 Sample Info: E07WCL00
 Purge Volume: 1000.0
 Column phases: restek pest c1p1

Instrument: az1p4.i
 Operator: 1808
 Column diameter: 0.53



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07MF1AD-MS Matrix.....: SO
 MS Lot-Sample #: A2E100105-003 E07MF1AE-MSD
 Date Sampled...: 05/09/02 10:41 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 2 Initial Wgt/Vol: 30.18 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	143	(26 - 144)			SW846 8082
	134	(26 - 144)	6.3	(0-39)	SW846 8082
Aroclor 1260	110	(37 - 138)			SW846 8082
	104	(37 - 138)	4.9	(0-33)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	112	(31 - 127)
	110	(31 - 127)
Decachlorobiphenyl	108	(23 - 141)
	109	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A2E100105 Work Order #...: E07MF1AD-MS Matrix.....: SO
 MS Lot-Sample #: A2E100105-003 E07MF1AE-MSD
 Date Sampled...: 05/09/02 10:41 Date Received...: 05/10/02
 Prep Date.....: 05/10/02 Analysis Date...: 05/14/02
 Prep Batch #...: 2130168
 Dilution Factor: 2 Initial Wgt/Vol: 30.18 g Final Wgt/Vol...: 10 mL

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Aroclor 1016	ND	500	710	ug/kg	143		SW846 8082
	ND	500	670	ug/kg	134	6.3	SW846 8082
Aroclor 1260	91	500	640	ug/kg	110		SW846 8082
	91	500	610	ug/kg	104	4.9	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	112	(31 - 127)
	110	(31 - 127)
Decachlorobiphenyl	108	(23 - 141)
	109	(23 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\038B3801.D
 Lab Smp Id: E07MF1AD Client Smp ID: S-00-050902-JW-1844
 Inj Date : 14-MAY-2002 21:34
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MF1AD,2
 Misc Info : 12-AR1660td.sub,SMS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: MS
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.180	initial volume

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE (ng)	ON-COL	FINAL (ug/kg)	TARGET RANGE	RATIO
CAS #: 877-09-8							
2.041	2.040	(0.001)	1378596	0.01118	7.407		
CAS #: 12674-11-2							
2.418	2.418	(0.000)	1101388	0.59512	394.4	75.00- 125.00	100.00(M)
2.737	2.739	(-0.002)	1626251	0.58093	385.0	115.21- 192.02	147.65
3.112	3.113	(-0.001)	5255205	0.95604	633.6	206.65- 344.41	477.14
3.231	3.231	(0.000)	1738040	0.61057	404.6	112.36- 187.26	157.80
3.326	3.327	(-0.001)	1654664	0.82591	547.3	81.05- 135.08	150.23
Average of Peak Concentrations =						473.0	
CAS #: 11096-82-5							
5.270	5.271	(-0.001)	2190789	0.65526	434.2	75.00- 125.00	100.00
6.111	6.111	(0.000)	2313491	0.65630	434.9	82.18- 136.97	105.60
6.721	6.724	(-0.003)	1493849	0.60594	401.5	56.35- 93.92	68.19

MM 5/15/02

Data File: \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\038B3801.D
 Report Date: 15-May-2002 07:57

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
---	-----	-----	RESPONSE (	ng)	(ug/kg)	-----
8 AROCLOR-1260 (continued)						
7.146	7.145	(0.001)	3589919	0.64132	425.0 127.40- 212.34	163.86
7.772	7.774	(-0.002)	1977106	0.64724	428.9 72.54- 120.90	90.25
Average of Peak Concentrations =			424.9			

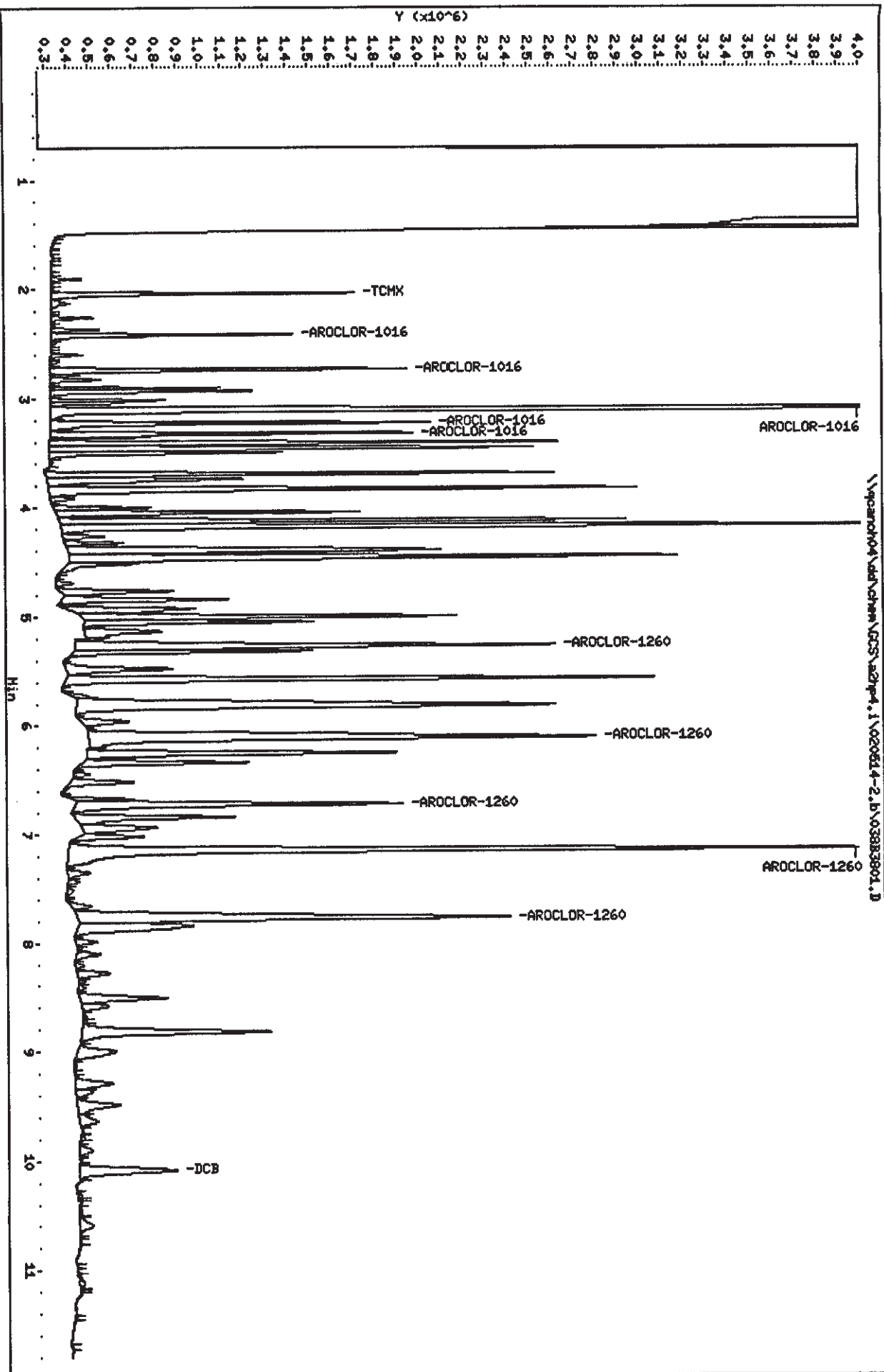
9 DCB				CAS #: 2051-24-3		
10.081	10.084	(-0.003)	442135	0.01082	7.170	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\pccarcho4\add\chem\GC5\27p4.1\020514-2.1b\03883901.D
 Date: 14-MAY-2002 21:34
 Client ID: 9-00-050902-34-1844
 Sample Info: E07MF1AD,2
 Volume Injected (uL): 1.0
 Column phases: restek pest c1p1

Instrument: 27p4.1
 Operator: 1808
 Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp4.i\020514-2.b\039B3901.D
 Lab Smp Id: E07MF1AE Client Smp ID: S-00-050902-JW-1844
 Inj Date : 14-MAY-2002 21:50
 Operator : 1808 Inst ID: a2hp4.i
 Smp Info : E07MF1AE,2
 Misc Info : 12-AR1660td.sub,SMS.spk
 Comment :
 Method : \\QCANOH04\DD\chem\GCS\a2hp4.i\020514-2.b\HP4PCBR.m
 Meth Date : 15-May-2002 07:48 molm Quant Type: ESTD
 Cal Date : 23-APR-2002 22:09 Cal File: 026B2601.D
 Als bottle: 1 QC Sample: MSD
 Dil Factor: 2.00000
 Integrator: Falcon Compound Sublist: 12-AR1660td.sub
 Target Version: 4.04 Sample Matrix: SOIL
 Processing Host: QCANOH05

Concentration Formula: Amt * DF * Vt/Vo

Name	Value	Description
DF	2.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.140	initial volume

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE (ng)	FINAL (ug/kg)	TARGET RANGE	RATIO

#	1	TCMX			CAS #: 877-09-8	
2.040	2.040	(0.000)	1356835	0.01100	7.300	

3 AROCLOR-1016						
CAS #: 12674-11-2						
2.418	2.418	(0.000)	1091747	0.58991	391.4 75.00- 125.00	100.00 (M)
2.738	2.739	(-0.001)	1638805	0.58541	388.5 115.21- 192.02	150.11
3.113	3.113	(0.000)	4597562	0.83640	555.0 206.65- 344.41	421.12
3.231	3.231	(0.000)	1660596	0.58337	387.1 112.36- 187.26	152.10
3.327	3.327	(0.000)	1502927	0.75018	497.8 81.05- 135.08	137.66
Average of Peak Concentrations =				444.0		

8 AROCLOR-1260						
CAS #: 11096-82-5						
5.270	5.271	(-0.001)	2034455	0.60850	403.8 75.00- 125.00	100.00
6.111	6.111	(0.000)	2247394	0.63755	423.0 82.18- 136.97	110.47
6.723	6.724	(-0.001)	1431216	0.58053	385.2 56.35- 93.92	70.35

MM
5/15/02

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (	FINAL ug/kg)		
..
§ AROCLOR-1260 (continued)						
7.145	7.145	(0.000)	3388651	0.60537	401.7 127.40- 212.34	166.56
7.773	7.774	(-0.001)	1887148	0.61779	409.9 72.54- 120.90	92.76
Average of Peak Concentrations =				404.7		

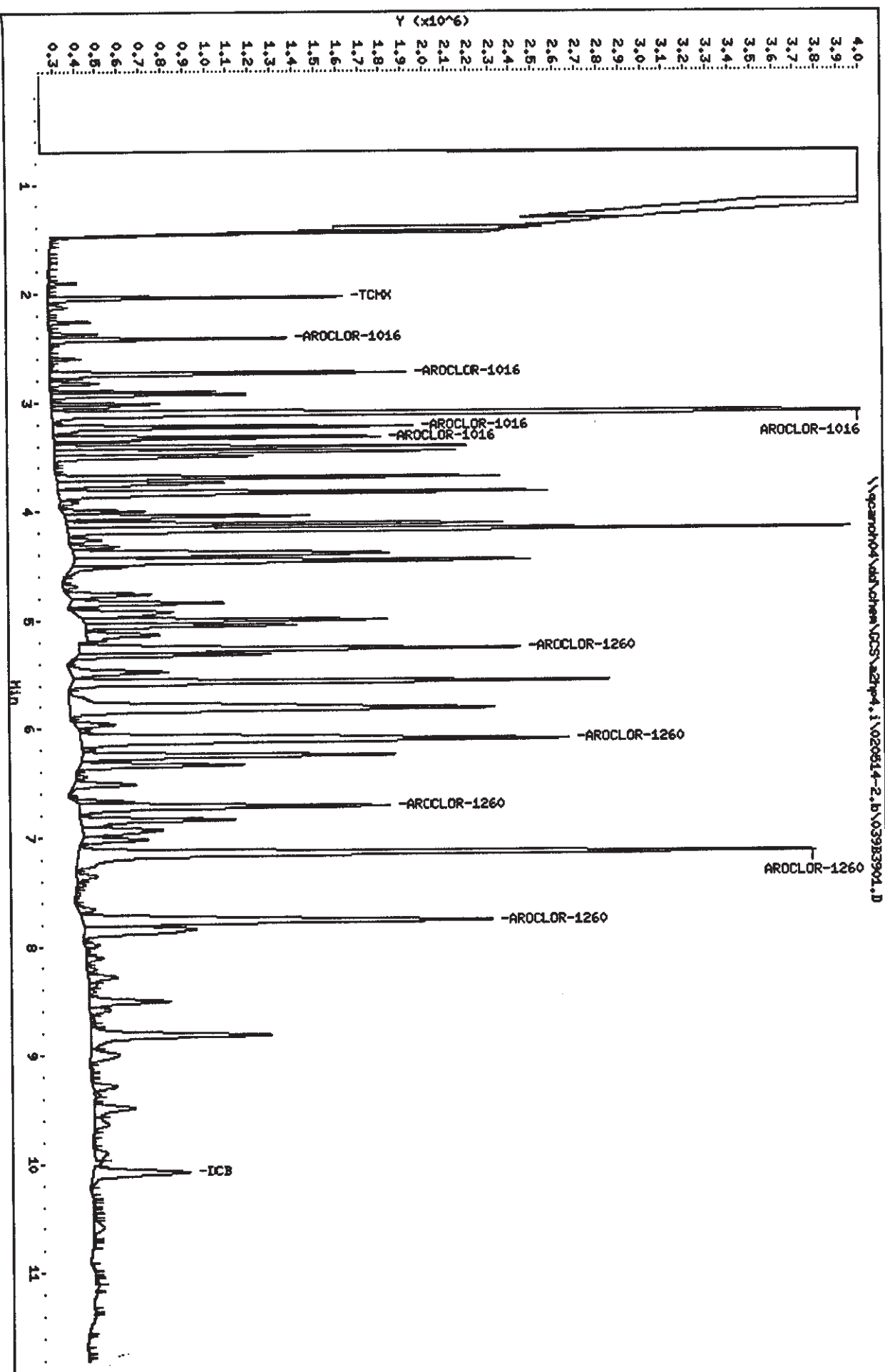
§ 9 DCB					CAS #: 2051-24-3	
10.081	10.084	(-0.003)	445409	0.01090	7.233	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\pcan04\adm\chem\GC5\adhp4.i\020514-2.b\03983901.D
 Date: 14-MAY-2002 21:50
 Client ID: S-00-050902-JM-1844
 Sample Info: E07H61AE,2
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: adhp4.i
 Operator: 1808
 Column diameter: 0.53





MISCELLANEOUS DATA

Method: C:\HPCHEM\2\METHODS\HP2PCBF.M of 9/20/00 10:12:13 AM

Fast Peaks: Off
Attenuation: 0

Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time Specifier

Parameter & Setpoint

7673 Injector

Front Injector:

Sample Washes	4
Sample Pumps	2
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	4
PostInj Solvent B Washes	4
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

Level 2 reviewed by piper
4-24-02

Sequence Parameters:

Operator:

Data File Naming: Auto
Data Directory: C:\HPCHEM\1\DATA\
Data Subdirectory: 020423IC
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro: none
Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	====	=====	=====	=====	=====	=====	=====	=====	=====

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
1	1	HEXANE				
2	2	1232,,1,1				
3	3	1232,,1,2				
4	4	1232,,1,3				
5	5	1232,,1,4				
6	6	1232,,1,5				
7	7	1242,,1,1				
8	8	1242,,1,2				
9	9	1242,,1,3				
10	10	1242,,1,4				
11	11	1242,,1,5				
12	12	1248,,1,1				
13	13	1248,,1,2				
14	14	1248,,1,3				
15	15	1248,,1,4				
16	16	1248,,1,5				
17	17	2154,,1,1				
18	18	2154,,1,2				
19	19	2154,,1,3				
20	20	2154,,1,4				

pass F/R
↓

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
====	====	=====	=====	=====	=====	=====
21	21	2154,,1,5				
22	22	1660,,1,1				
23	23	1660,,1,2				
24	24	1660,,1,3				
25	25	1660,,1,4				
26	26	1660,,1,5				
27	27	ICV,,2				

pass F/R
↓

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
 Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
 Print Configuration: No
 Print Sequence: No
 Print Logbook: No
 Print Method(s): No
 Print Analysis reports: No
 Print Statistics for Calib. runs: No
 Print Statistics for Sample runs: No
 Summary style: Sample Summary

Sequence: C:\HPCHEM\1\020513A.S C. P4 F

Sequence Parameters:

Operator:

Data File Naming: Auto
Data Directory: C:\HPCHEM\1\DATA\
Data Subdirectory: 020513A
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro: none
Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

25/13/02

1	1	HEXANE				
2	2	1232,,2	pass F/P			
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	E03NG1AA	reextract			
8	8	E03NL1AA	reextract			
9	9	E03MP1AA,100	ARbox ST reextract			
10	10	E03NK1AA,500	ARbox ST reextract			
11	11	E031K1AA	ARbox reextract			
12	12	E031K1AC,5				
13	13	E031D1AA				
14	14	E02VM2AL				
15	15	E070Q1AA				
16	16	E07021AA				
17	17	E08FK1AA				
18	18	E08FK1AC,2				
19	19	1660,,2	pass F/Failed ↓ R			
20	20	E03VP2AA				

Front

Sequence: C:\HPCHEM\1\020513A.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
25/13/02						
21	21	E03W22AE				
22	22	E03W32AC, 20 RRST				
23	23	E03W42AE				
24	24	E08FD1AA				
25	25	E08FD1AC, 2 RR↑				
26	26	E08FD1AD, 2 ↓				
27	27	E05MA1AA				Front
28	28	E07M21AA				
29	29	E07WC1AA				
30	30	E07WC1AC, 5				
25/14/02						
31	31	E07WC1AD, 5				
32	32	E05281AA				
33	33	E06DC1AA				
34	34	E06DC1AC				
35	35	E06DC1AD				
36	36	1660, , 2 pass F/R				
37	37	E04QM1AA				
38	38	E05LJ1AA				
39	39	E05LK1AA				
40	40	E05LM1AA				
41	41	E05LN1AA				
42	42	E05LP1AA				
43	43	E05LQ1AA				
44	44	E05L01AA				rear
45	45	E05L11AA, 5				
46	46	E05L21AA, 5				
47	47	E05L31AA, 2				
48	48	E05L41AA				
49	49	E05L51AA				
50	50	E05L61AA				
51	51	E05P91AA				
52	52	E05P91AC				
53	53	E05P91AD				
54	54	1660, , 2 pass Avg F/pass R				
55	55	E05L71AA				
56	56	- E05L81AA, 5				
57	57	E05L91AA, 50				
58	58	E05LR1AA				rear
59	59	E05LV1AA				
60	60	E05LW1AA				
61	61	E05LW1AC				
62	62	E05LW1AD				
63	63	E05LX1AA				
64	64	E05QW1AA				
65	65	E05QW1AC				
66	66	E03W32AC				
67	67	E08FD1AC, 2				
68	68	E08FD1AD, 2				
69	69	1660, , 2 pass F/R				

Sequence Output Parameters:

STL North Canton

12/14/02 7:12:21 AM

Sequence Parameters:

Operator:

Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 020514
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	------	------------	--------	--------	--------	----	--------	----	----------

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
------	------	------------	--------------	---------	------------	----------

05/14/02

1	1	HEXANE				
2	2	1232,,2				
3	3	1242,,2				
4	4	1248,,2				
5	5	2154,,2				
6	6	1660,,2				
7	7	- E08331AG				
8	8	E1CAP1AA				
9	9	E1CAP1AC, 2				
10	10	E1AXG1AC				
11	11	E1AXL1AC				
12	12	E1AXM1AE				
13	13	E1A631AC				
14	14	E1A641AC				
15	15	E1CAW1AA				
16	16	E1CAW1AC, 2				
17	17	1660,,2				
18	18	E07K11AE				
19	19	E07K31AM				
20	20	E07K51AM				

pass F/A
AVG/G
RR reextract
RR NOT spiked
RR reextract
RR NOT spiked
pass F/A

rear

Sequence: C:\HPCHEM\1\020514.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
21	21	E07K61AM				
22	22	E07K81AM				
23	23	E07LH1AM				
24	24	E07LJ1AM				
25	25	E07LK1AM				
26	26	E07LL1AM				
27	27	E07LM1AM				
28	28	E07LN1AM				
29	29	E07LP1AM				
30	30	E07LQ1AM				
31	31	E07L91AA, 2				
32	32	E07PV1AA				
33	33	E07PV1AC				
34	34	E07PV1AD				
35	35	1660,, 2 P955 F AVG/R				
36	36	E07ME1AA				
37	37	E07MF1AA, 2				
38	38	E07MF1AD, 2				
39	39	E07MF1AE, 2				
40	40	E07MG1AA, 2				
41	41	E07MJ1AA				
42	42	E07MM1AA, 5				
43	43	E07MN1AA				
44	44	E07MP1AA				
45	45	E07MQ1AA, 5				
46	46	E07MT1AA				
47	47	E07MV1AA				
48	48	E07MX1AA				
49	49	E07M01AA				
50	50	E07M71AA				
51	51	E07M81AA				
52	52	E07NA1AA				
53	53	E07P21AA				
54	54	E07P21AC				
55	55	1660,, 2 P955 F/R				

rear

rear

Sequence Output Parameters:

Print Sequence Summary Report (SSR): No
Dest of individual reports for each run: as specified in Method

Sequence Summary Parameters:

One page header: No
Print Configuration: No
Print Sequence: No
Print Logbook: No
Print Method(s): No
Print Analysis reports: No
Print Statistics for Calib. runs: No
Print Statistics for Sample runs: No

R0C058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/10/02
Time: 15:13:32

LEV	LEV	LEV	LEV		
1	2	1	2		
Y	Y	Y	Y	Weights/Volumes	Y Expanded Deliverable
Y	Y	Y	Y	Spike & Surrogate Worksheet	Y COC Completed
Y	Y	Y	Y	Vial contains correct volume	Y Bench Sheet Copied
Y	Y	Y	Y	Labels, greenbars, worksheets	Y Package Submitted to AnalyticalGroup
Y	Y	Y	Y	Computer batch: correct & all match	Y Bench Sheet Copied per COC
				Anomalies to Extraction Method	

Extractionist: 005304 Margaret R. Russel
002811 Dave S. Thomas

Concentrationist: 005304 Margaret R. Russel
002811 Dave S. Thomas

Reviewer/Date: THOMASD / 5/10/02

PCBS (8082)
SONICATION w/ACID STRIP (PCB)

* OC BATCH: 2130168 *

PREP DATE: 5/10/02
COMP DATE: 5/10/02

EXTR	ANL	LOT#	MSRUN#	TEST	EXT	MTH	MATRIX	INIT/FTN	INIT	PH*S	ADJ1	ADJ2	EXTRACTION	SOLVENTS	VOL	SURROGATE	SURR	
EXPR	DUE	WORK	ORDER	FLGS				WT/VOL	ADJT				VOL	EXCHANGE		ID		
5/23/02	5/24/02	A2E100105-001			D	71	QH	SOLID	30.19g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904	
COMMENTS: A2E100105-001																		

5/23/02	5/24/02	A2E100105-002			D	71	QH	SOLID	30.09g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904	
COMMENTS: A2E100105-002																		

5/23/02	5/24/02	A2E100105-003			D	71	QH	SOLID	30.15g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904	
COMMENTS: A2E100105-003																		

5/23/02	5/24/02	A2E100105-003			D	71	QH	SOLID	30.18g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 10PPM SPIKE #3901	
COMMENTS: A2E100105-003																		

5/23/02	5/24/02	A2E100105-003			D	71	QH	SOLID	30.14g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 10PPM SPIKE #3901	
COMMENTS: A2E100105-003																		

5/23/02	5/24/02	A2E100105-004			D	71	QH	SOLID	30.20g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904	
COMMENTS: A2E100105-004																		

5/23/02	5/24/02	A2E100105-005			D	71	QH	SOLID	30.05g	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904	
COMMENTS: A2E100105-005																		

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/10/02
Time: 15:13:32

* QC BATCH: 2130168 *
* PREP DATE: 5/10/02
* COMP DATE: 5/10/02

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH*S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/23/02	5/24/02	A2E100105-006	R07M-1-AA	D	71	QH SOLID	30.12g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-007	R07M-1-AA	D	71	QH SOLID	30.02g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-008	R07MD-1-AA	D	71	QH SOLID	30.06g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-009	R07M-1-AA	D	71	QH SOLID	30.15g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-010	R07M-1-AA	D	71	QH SOLID	30.03g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-011	R07M-1-AA	D	71	QH SOLID	30.12g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-012	R07M-1-AA	D	71	QH SOLID	30.18g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-013	R07M0-1-AA	D	71	QH SOLID	30.05g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-015	R07M7-1-AA	D	71	QH SOLID	30.18g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															
5/23/02	5/24/02	A2E100105-016	R07M8-1-AA	D	71	QH SOLID	30.02g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/10/02
Time: 15:13:32

*
* QC BATCH: 2130168 *
*

PREP DATE: 5/10/02
COMP DATE: 5/10/02

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJT	PH*S ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID		
5/23/02	5/24/02	A2E100105-017		D	71	QH SOLID	30.16g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904

5/23/02	0/00/00	A2E100000-168			71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 2/.2 SURR #3904
---------	---------	---------------	--	--	----	----------	-------------------	----	----	----	---------	-------	--------	------	-----------------------

5/23/02	0/00/00	A2E100000-168			71	QH SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML 10PPM SPIKE #3901 1.0ML 2/.2 SURR #3904
---------	---------	---------------	--	--	----	----------	-------------------	----	----	----	---------	-------	--------	------	--

S/S BY M.R.R.
DCM #V47E1T ACE #X01E43 HEXANE #V41E12 NA2S04 #020606

R = RUSH C = CLP
E = EPA 600 D = EXP. DEL
M = CLIENT REQ MS/MSD
? NUMBER OF WORK ORDERS IN BATCH: 20

LEV	LEV	Blank Check MS/MSD	LEV	LEV	Weights/Volumes
1	2	Y	1	2	Spike & Surrogate Worksheet
Y	Y	Y	Y	Y	Vial contains correct volume
-	-	Y	Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
					Anomalies to Extraction Method

Y Expanded Deliverable
 Y COC Completed
 - Bench Sheet Copied
 - Package Submitted to AnalyticalGroup
 - Bench Sheet Copied per COC

Extractionist: 007696 Nathan A. Pietras

Concentrationist: 002811 Dave S. Thomas

 * GC BATCH: 2130218 *
 *
 PREP DATE: 5/10/02 10:00
 COMP DATE: 5/10/02 11:00

Reviewer/Date: THOMASD / 5/11/02

PCBs (8082)
 HIQ/LIQ, CONT w/ACID STRIP (PCB) - Nominal

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/ WT/VOL	FIN	PH+S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/15/02	5/23/02	A2E090106-015			D	61 QH WATER	1000mL		7.0 NA	NA	DCM	180.0 HEXANE	50.0	1.0ML 2/.2 #3904
COMMENTS:														
5/16/02	5/24/02	A2E100105-014			D	61 QH WATER	1000mL		7.0 NA	NA	DCM	180.0 HEXANE	50.0	1.0ML 2/.2 #3904
COMMENTS:														
5/15/02	0/00/00	A2E100000-218				61 QH WATER	1000mL		7.0 NA	NA	DCM	180.0 HEXANE	50.0	1.0ML 10PPM #3901
COMMENTS:														
5/15/02	0/00/00	A2E100000-218				61 QH WATER	1000mL		7.0 NA	NA	DCM	180.0 HEXANE	50.0	1.0ML 2/.2 #3904
COMMENTS:														

NP S&S
DCM #V47E11
HEXANE #V41E12

R = RUSH
E = EPA 600
M = CLIENT REQ MS/MSD

C = CLP
D = EXP. DEL.)
NUMBER OF WORK ORDERS IN BATCH: 5

05/17/02 05:15:44

Sample Control Chain of Custody - STL North Canton

PAGE 1

LOT NUMBER	SAMPLE NUMBER	SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFER BY	ANALYSIS DATE	ANALYST
A2E100105	1		E07L91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	2		E07M81AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	3		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	3	S	E07M91AD	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	3	D	E07M91AE	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	4		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	5		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	6		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	7		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	8		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	9		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	10		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	11		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	12		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	13		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	14		E07M91AA	GC8082_L	5/10/02	Thomas Pausnigh	5/11/02	Dave Thomas	5/13/02	Raymond Riesen
A2E100105	15		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	16		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen
A2E100105	17		E07M91AA	GC8082_S	5/10/02	Margaret Russel	5/10/02	Dave Thomas	5/14/02	Raymond Riesen

*** END OF REPORT ***



GENERAL CHEMISTRY DATA



QC SUMMARY

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A2E100105

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids		Work Order #:	E1CAH1AA	MB Lot-Sample #:	A2E130000-394	
	ND	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A2E100105

Work Order #....: E078L-SMP
E078L-DUP

Matrix.....: SOLID

Date Sampled....: 05/08/02 20:45 Date Received...: 05/10/02

% Moisture.....: 19

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	81.2	81.8	%	0.72	(0-20)	SD Lot-Sample #: A2E100162-004 MCAWW 160.3 MOD	05/13-05/14/02	2133394
Dilution Factor: 1								



SAMPLE DATA

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1843

General Chemistry

Lot-Sample #....: A2E100105-001 Work Order #....: E07L9 Matrix.....: SO
Date Sampled....: 05/09/02 10:33 Date Received...: 05/10/02
% Moisture.....: 29

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	71.2	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1843A

General Chemistry

Lot-Sample #....: A2E100105-002 Work Order #....: E07ME Matrix.....: SO
Date Sampled....: 05/09/02 10:35 Date Received...: 05/10/02
% Moisture.....: 27

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	72.8	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1844

General Chemistry

Lot-Sample #....: A2E100105-003 Work Order #....: E07MF Matrix.....: SO
Date Sampled....: 05/09/02 10:41 Date Received...: 05/10/02
% Moisture.....: 33

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	66.5	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1845

General Chemistry

Lot-Sample #....: A2E100105-004 Work Order #....: E07MG Matrix.....: SO
Date Sampled....: 05/09/02 10:43 Date Received...: 05/10/02
% Moisture.....: 34

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	66.2	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1846

General Chemistry

Lot-Sample #....: A2E100105-005 Work Order #....: E07MJ Matrix.....: SO
Date Sampled....: 05/09/02 10:55 Date Received...: 05/10/02
% Moisture.....: 32

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	67.9	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1847

General Chemistry

Lot-Sample #....: A2E100105-006 Work Order #....: E07MM Matrix.....: SO
Date Sampled....: 05/09/02 11:00 Date Received...: 05/10/02
% Moisture.....: 26

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	74.5	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1848

General Chemistry

Lot-Sample #....: A2E100105-007 Work Order #....: E07MN Matrix.....: SO
Date Sampled....: 05/09/02 11:02 Date Received...: 05/10/02
% Moisture.....: 33

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	67.2	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1849

General Chemistry

Lot-Sample #....: A2E100105-008 Work Order #....: E07MP Matrix.....: SO
Date Sampled....: 05/09/02 11:12 Date Received...: 05/10/02
% Moisture.....: 27

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	73.0	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1850

General Chemistry

Lot-Sample #....: A2E100105-009 Work Order #....: E07MQ Matrix.....: SO
Date Sampled....: 05/09/02 11:14 Date Received...: 05/10/02
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	72.4	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1851

General Chemistry

Lot-Sample #....: A2E100105-010 Work Order #....: E07MT Matrix.....: SO
Date Sampled....: 05/09/02 11:17 Date Received...: 05/10/02
% Moisture.....: 29

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	71.2	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1852

General Chemistry

Lot-Sample #....: A2E100105-011 Work Order #....: E07MV Matrix.....: SO
Date Sampled....: 05/09/02 11:20 Date Received...: 05/10/02
% Moisture.....: 31

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	68.5	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1852A

General Chemistry

Lot-Sample #....: A2E100105-012 Work Order #....: E07MX Matrix.....: SO
Date Sampled....: 05/09/02 11:21 Date Received...: 05/10/02
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	72.3	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1853

General Chemistry

Lot-Sample #....: A2E100105-013 Work Order #....: E07M0 Matrix.....: SO
Date Sampled....: 05/09/02 11:27 Date Received...: 05/10/02
% Moisture.....: 34

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	66.4	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1854

General Chemistry

Lot-Sample #....: A2E100105-015 Work Order #....: E07M7 Matrix.....: SO
Date Sampled....: 05/09/02 14:40 Date Received...: 05/10/02
% Moisture.....: 32

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	68.0	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1855

General Chemistry

Lot-Sample #....: A2E100105-016 Work Order #....: E07M8 Matrix.....: SO
Date Sampled....: 05/09/02 14:42 Date Received...: 05/10/02
% Moisture.....: 30

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	69.7	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		

CONESTOGA ROVERS & ASSOC., INC.

Client Sample ID: S-00-050902-JW-1856

General Chemistry

Lot-Sample #....: A2E100105-017 Work Order #....: E07NA Matrix.....: SO
Date Sampled....: 05/09/02 14:44 Date Received...: 05/10/02
% Moisture.....: 30

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	70.4	10.0	%	MCAWW 160.3 MOD	05/13-05/14/02	2133394
		Dilution Factor: 1		MDL.....: 10.0		



SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TS
 Batch(es): 2133394
 Method #/SOP#: 160,3

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995 ?			/			/
2. Calibration curve consist of the minimum number of calibration standards?			/			/
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			/			/
4. ICB analyzed immediately after ICV and within criteria (\pm RL)?			/			/
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			/			/
2. CCB analyzed every 10 samples, at end of sequence & within criteria (\pm RL)?			/			/
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			/			/
2. All reported results bracketed by in control QC ?	/			/		
3. Sample analyses done within holding time ?	/			/		
D. Quality Control						
1. LCS per prep batch and within QC limits ? (LCSD, where applicable)			/			/
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	/			/		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			/			/
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	/			/		
E. Titrant						
1. Titrant standardized?			/			/
2. If no, standardization expires			/			/
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			/			/
2. Calculations checked for error ?	/			/		
3. Transcriptions checked for error ?	/			/		
4. All client/project specific requirements met ?	/			/		
5. Date/time of preparation and analysis verified as correct ?	/			/		
6. Units verified as correct?	/			/		
7. Dilutions have been properly applied and RL's adjusted appropriately?	/		/	/		/
8. SOP followed?	/			/		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	/			/		
10. All reagent and standard numbers recorded in logbook?	/			/		/
11. Edits dated and initialed	/			/		/

Comment on any "NO" response(s): _____

Level I reviewer: Prull Woodard Date: 5/14/02

Level II Reviewer: On Marcum Date: 5/14/02

Level I review:

STL North Canton					
Percent Total Solid/Percent Moisture Logsheet					
Analysis	TS			Batch	2133394
Prep Date	5/13/02	Time In	14:20	Analyst	BW
Anal date	5/14/02	Time Out	8:30	RL	10
Sample	Tare	Wet	Dry	Result TS	Result MS
Id	wt	wt	wt	%	%
BLK B	5.652	5.6096	5.59	1.41	ND
E07L9	5.652	15.0686	12.3571	71.205	28.795
E07ME	5.652	17.3518	14.1701	72.806	27.194
E07MF	5.652	17.5472	13.5647	66.520	33.480
E07MFX	5.652	19.3398	14.8217	66.992	33.008
E07MG	5.652	16.8178	13.0447	66.208	33.792
E07MJ	5.652	15.8444	12.5761	67.934	32.066
E07MM	5.652	17.4865	14.4671	74.486	25.514
E07MN	5.652	13.4168	10.8683	67.179	32.821
E07MP	5.652	17.1365	14.0391	73.030	26.970
E07MQ	5.652	20.0721	16.0892	72.380	27.620
E07MT	5.652	15.5851	12.7198	71.154	28.846
E07MV	5.652	15.4825	12.3619	68.256	31.744
E07MX	5.652	16.9465	13.8229	72.344	27.656
E07M0	5.652	18.1671	13.9676	66.445	33.555
E07M7	5.652	16.6926	13.1542	67.951	32.049
E07M8	5.652	19.1663	15.0734	69.714	30.286
E07NA	5.652	19.5135	15.4165	70.443	29.557
E078H	5.652	17.8841	16.5454	89.056	10.944
E078J	5.652	15.0249	13.4016	82.681	17.319
E078K	5.652	17.3948	15.8513	86.856	13.144
E078L	5.652	11.0972	10.0754	81.235	18.765
E078LX	5.652	10.566	9.6728	81.823	18.177
TS0513B	5.652			100.000	0.000

STL North Canton

Sample Control Chain of Custody for General Chemistry

SDG: 2E10105

<u>Lot Number</u>	<u>Sample Suffix</u>	<u>Lab ID</u>	<u>Test</u>	<u>Prep Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
A2E100105	1	E07L91AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	2	E07ME1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	3	E07MF1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	3 X	E07MF1AH	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	4	E07MG1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	5	E07MJ1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	6	E07MM1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	7	E07MN1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	8	E07MP1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	9	E07MQ1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	10	E07MT1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	11	E07MV1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	12	E07MX1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	13	E07M01AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	15	E07M71AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	16	E07M81AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward
A2E100105	17	E07NA1AC	Solids, Percent (as TS - 160.3 MOD) - Solids	5/13/02	Bruce Woodward	5/14/02	Bruce Woodward

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ANALYTICAL REPORT

PROJECT NO. E117001

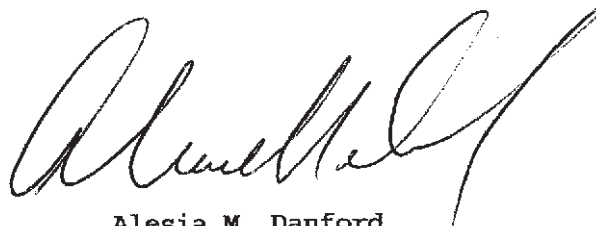
GMPT BEDFORD - (013968-OS)

Lot #: A7B200269

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

SEVERN TRENT LABORATORIES, INC.



Alesia M. Danford
Project Manager

February 26, 2007

CASE NARRATIVE

CASE NARRATIVE

A7B200269

The following report contains the analytical results for four solid samples submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT Bedford - (013968-OS) Site, project number E117001. The samples were received February 20, 2007, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to the Chemistry Department, Jeffrey Nichols, Chris Heij, GM Edds, Katie Kamm, Mary Kelly, Kathy Willy, Paul Gallaway, Pete Bridcut and Rick Charles on February 21, 2007. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Alesia M. Danford, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (Continued)

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.



STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio
(#6090), OhioVAP (#CL0024), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA
Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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***EXECUTIVE
SUMMARY***

EXECUTIVE SUMMARY - Detection Highlights

A7B200269

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-389-022007-AH-21789 02/20/07 10:10 001				
Aroclor 1248	1100	46	ug/kg	SW846 PCBs (8082)
Aroclor 1260	270	46	ug/kg	SW846 PCBs (8082)
Percent Solids	71.2	10.0	%	MCAWW 160.3 MOD
SE-389-022007-AH-21790 02/20/07 10:13 002				
Aroclor 1248	580	53	ug/kg	SW846 PCBs (8082)
Aroclor 1260	140	53	ug/kg	SW846 PCBs (8082)
Percent Solids	62.3	10.0	%	MCAWW 160.3 MOD
SE-389-022007-AH-21791 02/20/07 10:15 003				
Aroclor 1248	600	54	ug/kg	SW846 PCBs (8082)
Aroclor 1260	170	54	ug/kg	SW846 PCBs (8082)
Percent Solids	61.4	10.0	%	MCAWW 160.3 MOD
SE-389-022007-AH-21792 02/20/07 10:18 004				
Aroclor 1248	870	45	ug/kg	SW846 PCBs (8082)
Aroclor 1260	190	45	ug/kg	SW846 PCBs (8082)
Percent Solids	73.6	10.0	%	MCAWW 160.3 MOD

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7B200269

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs by SW-846 8082	SW846 PCBs (8082)
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SAMPLE SUMMARY

A7B200269

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPQGM	001	S-389-022007-AH-21789	02/20/07	10:10
JPQGN	002	SE-389-022007-AH-21790	02/20/07	10:13
JPQGP	003	SE-389-022007-AH-21791	02/20/07	10:15
JPQGQ	004	SE-389-022007-AH-21792	02/20/07	10:18

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

***SHIPPING
AND
RECEIVING DOCUMENTS***

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

eCOC in Use

ID: # C#02202007_134824

SSOW Ref. Code: E117001

Laboratory: STL On-Site Mobile Laboratory
 Laboratory Location: On-Site in Bedford, IN
 Laboratory Contact:
 Requested Due Date: TAT: 1 Day
 QA/QC Requirements:

Report To: Contestoga-Rovers & Associates
 Copy To: Paul Wiseman
 Invoice To:
 P.O.:
 Project Name: GM - BEDFORD
 Project Number: 013968
 E-mail:

LOT: A7B200269
 PCB: 70S1450
 TS: 70S1464

Sample Identification:	Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Preservative	Analysis and Method		Remarks/Lab ID
							/PCBS, TOTAL	/SOLIDS, TOTAL	
1 S-389-022007-AH-21789	TSD	36	02/20/07	10:10	1		X	X	JRQGM/AC
2 SE-389-022007-AH-21790		37	02/20/07	10:13	1		X	X	
3 SE-389-022007-AH-21791		38	02/20/07	10:15	1		X	X	
4 SE-389-022007-AH-21792		39	02/20/07	10:18	1		X	X	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
TOTAL NUMBER OF CONTAINERS						4			

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Direct to On-Site Lab	0	Andrew Henderson / CRA	02/20/07	14:30		02/20/07	14:30
AIRBILL NO.: NA							
Sample Condition							
Temp in C							
Received on Ice	Y / N						
Sealed Cooler	Y / N						
Samples Intact	Y / N						
Additional Comments:							
Sampler Name: Andrew Henderson							
Sampler Signature: Date: 02/20/07							

Fully Executed Copy

STL Cooler Receipt Form/Narrative

Lot Number:A7B200269

GM Bedford Site

Client: CRA Project: BEDFORD Quote#: 060673
 Cooler Received on: 02/20/07 Client Cooler by: Ray Shock
 (Signature)
 Client Drop Off
 1. Did custody papers accompany the samples? Yes No Relinquished by client? Yes No
 2. Did you sign the custody papers in the appropriate place? Yes No
 3. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial Coolant & Sample Against Bottles IR ICE/H₂O Slurry
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 4. Did all bottles arrive in good condition (Unbroken)? Yes No
 5. Could all bottle labels and/or tags be reconciled with the COC? Yes No
 12. Sufficient quantity received to perform indicated analyses? Yes No
 Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning:

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.

4. Other (see below or back)

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Coolant</u>
<u>Discrepancies Cont.</u>			

***POLYCHLORINATED
BIPHENYLS DATA***

QC SUMMARY DATA

SW846 PCBs (8082) SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN

SDG No:

Lot #: A7B200269

Extraction: XXA1347BD

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	S-389-022007-AH-21789	86	96	00
02	SE-389-022007-AH-21790	91	95	00
03	SE-389-022007-AH-21791	81	91	00
04	SE-389-022007-AH-21792	78	89	00
05	METHOD BLK. JPQJN1AA	70	82	00
06	LCS JPQJN1AC	72	88	00
07	LCSD JPQJN1AD	70	87	00

<u>SURROGATES</u>		<u>QC LIMITS</u>
SRG01	= Tetrachloro-m-xylene	(10-127)
SRG02	= Decachlorobiphenyl	(40-138)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 PCBs (8082) CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN

SDG No:

Lot #: A7B200000

WO #: JPQJN1AC

BATCH: 7051450

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	220	65	41- 130	
Aroclor 1260	330	230	70	42- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: STLCAN

SDG No:

Lot #: A7B200000

WO #: JPQJN1AD

BATCH: 7051450

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	220	67	41- 130	
Aroclor 1260	330	250	75	42- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) METHOD BLANK SUMMARY

BLANK WORKORDER NO.

Lab Name: Severn Trent Laboratories, Inc.

JPQJN1AA

Lab Code: STLCAN

SDG Number:

Lab File ID: 007F0701.

Lot Number: A7B200269

Matrix: SOLID

Extraction Method:

Date Extracted: 02/20/07

Date Analyzed(1): 02/20/07

Date Analyzed(2): N/A

Time Analyzed(1): 21:23

Time Analyzed(2): N/A

Instrument ID(1): B3

Instrument ID(2): N/A

GC Column(1): N/A ID: N/A GC Column(2): N/A ID: N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 | S-389-022007-AH-21789	JPQGM1AA	02/20/07	N/A
02 | SE-389-022007-AH-21790	JPQGN1AA	02/20/07	N/A
03 | SE-389-022007-AH-21791	JPQGP1AA	02/20/07	N/A
04 | SE-389-022007-AH-21792	JPQGQ1AA	02/20/07	N/A
05 | CHECK SAMPLE	JPQJN1AC C	02/20/07	N/A
06 | DUPLICATE CHECK	JPQJN1AD L	02/20/07	N/A
07 |			
08 |			
09 |			
10 |			
11 |			
12 |			
13 |			
14 |			
15 |			
16 |			
17 |			
18 |			
19 |			
20 |			

COMMENTS:

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-389-022007-AH-21789

GC Semivolatiles

Lot-Sample #....: A7B200269-001 Work Order #....: JPQGM1AA Matrix.....: SO
 Date Sampled...: 02/20/07 10:10 Date Received...: 02/20/07
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Initial Wgt/Vol: 30.14 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 29 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	46	ug/kg
Aroclor 1221	ND	46	ug/kg
Aroclor 1232	ND	46	ug/kg
Aroclor 1242	ND	46	ug/kg
Aroclor 1248	1100	46	ug/kg
Aroclor 1254	ND	46	ug/kg
Aroclor 1260	270	46	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	86	(10 - 127)
Decachlorobiphenyl	96	(40 - 138)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Report Date: 21-Feb-2007 08:54

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Lab Smp Id: JPQGM1AA Client Smp ID: S-389-022007-AH-217
 Inj Date : 20-FEB-2007 22:05
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGM1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.140	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.001	2.003	-0.002		1293718	0.04326	14.35	

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Report Date: 21-Feb-2007 08:54

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.481	2.474	0.007	352951	0.83396	276.7	80.00- 120.00	100.00 (M)
3.096	3.089	0.007	1475691	2.00656	665.7	124.40- 207.34	418.10
3.304	3.296	0.008	2860706	2.41042	799.7	204.42- 340.70	810.51
3.386	3.379	0.007	1956131	3.16842	1051	105.14- 175.23	554.22
4.533	4.524	0.009	1871067	3.18973	1058	103.96- 173.27	530.12
Average of Peak Concentrations =					770.3		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.812	4.816	-0.004	730036	0.50920	168.9	80.00- 120.00	100.00 (M)
5.237	5.239	-0.002	1318096	0.56309	186.8	121.71- 202.85	180.55
5.633	5.636	-0.003	1681220	0.62206	206.4	143.40- 239.01	230.29
6.485	6.488	-0.003	1398181	0.45179	149.9	164.12- 273.54	191.52
6.817	6.818	-0.001	1284195	0.70967	235.4	93.60- 155.99	175.91
Average of Peak Concentrations =					189.5		

9 DCB			CAS #: 2051-24-3				
7.998	8.001	-0.003	1656160	0.04807	15.95		

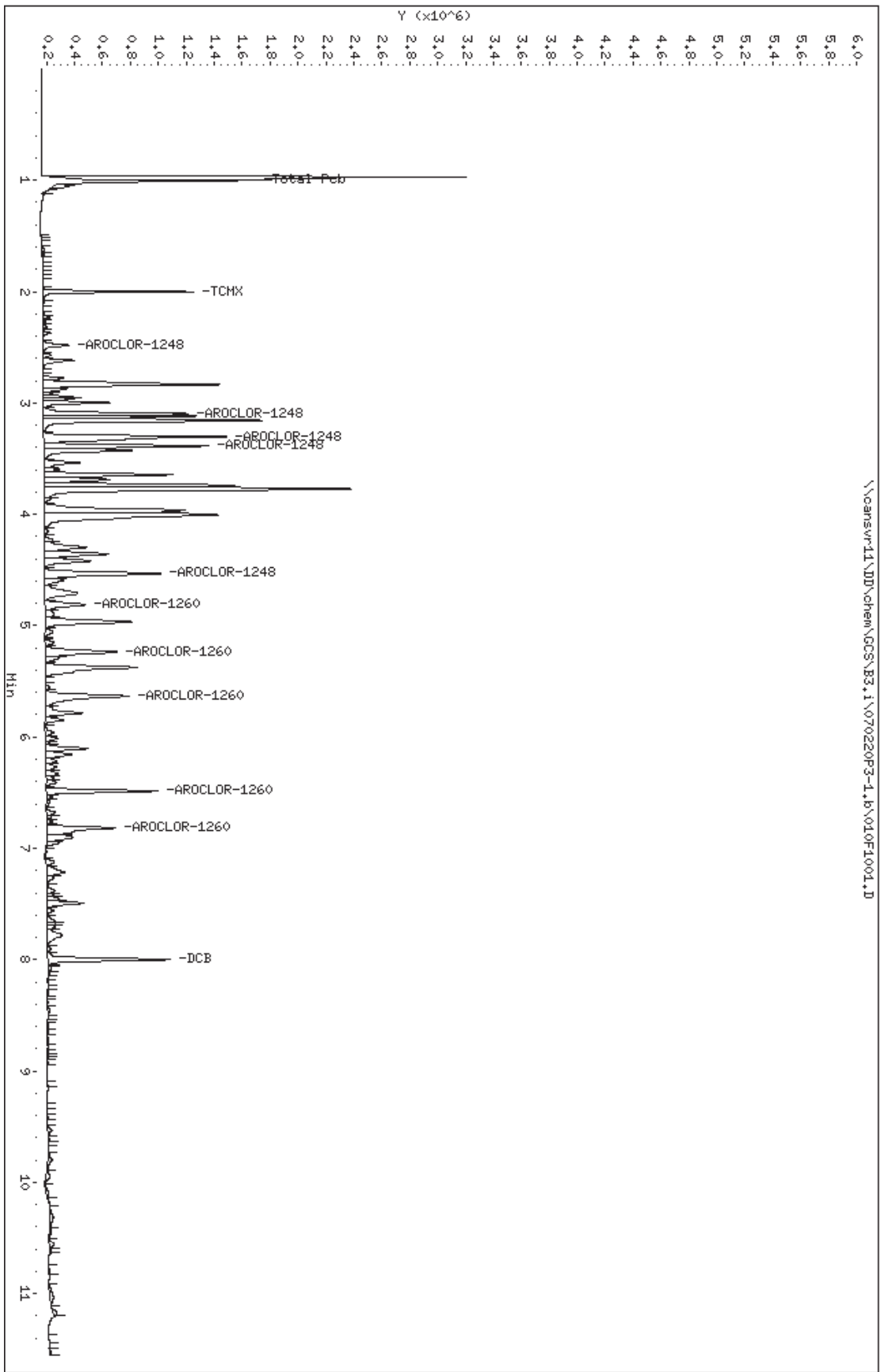
M 16 Total Pcb			CAS #: 1336-36-3				
				0	2.89298	959.8	

QC Flag Legend

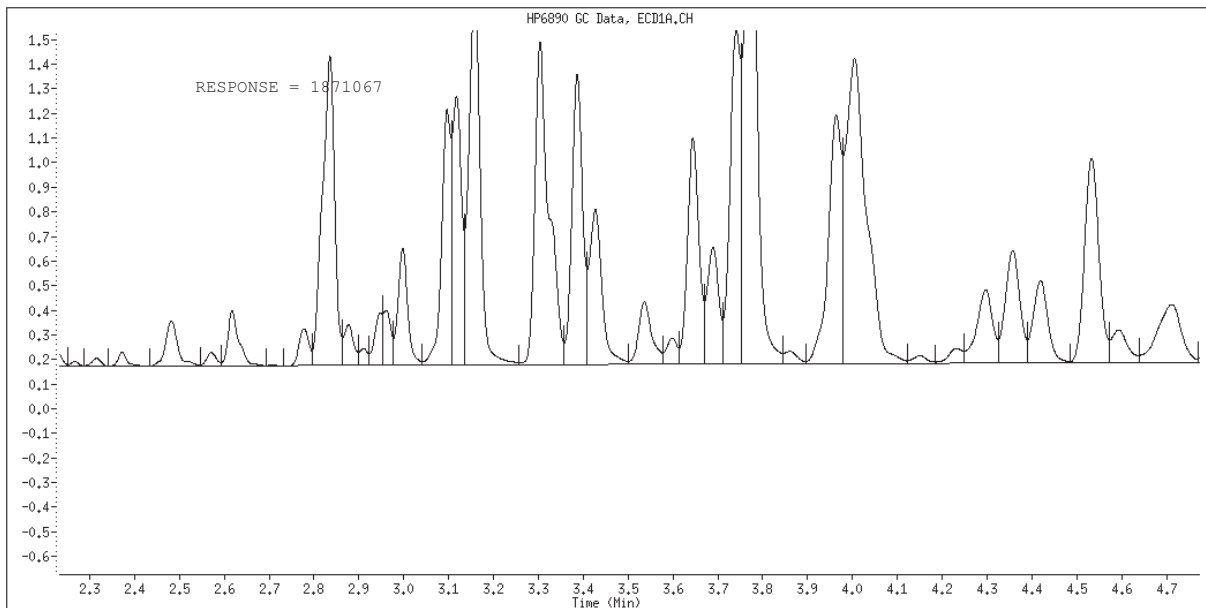
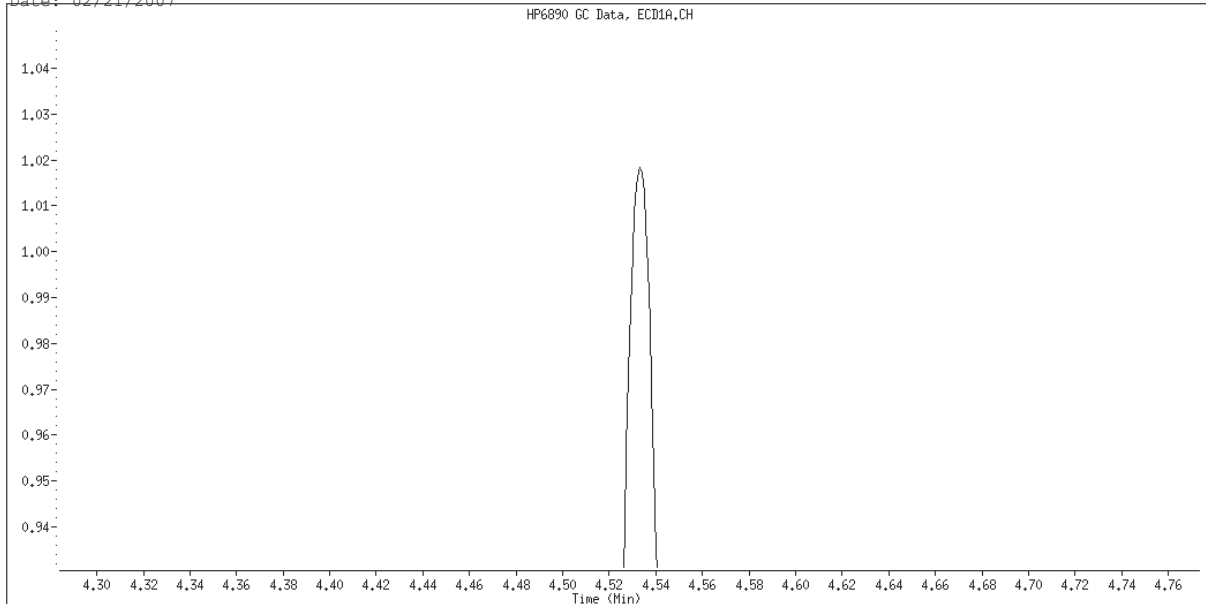
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.b\010F1001.D
Date: 20-FEB-2007 22:05
Client ID: S-389-022007-4H-217
Sample Info: JPCCH1A9.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53

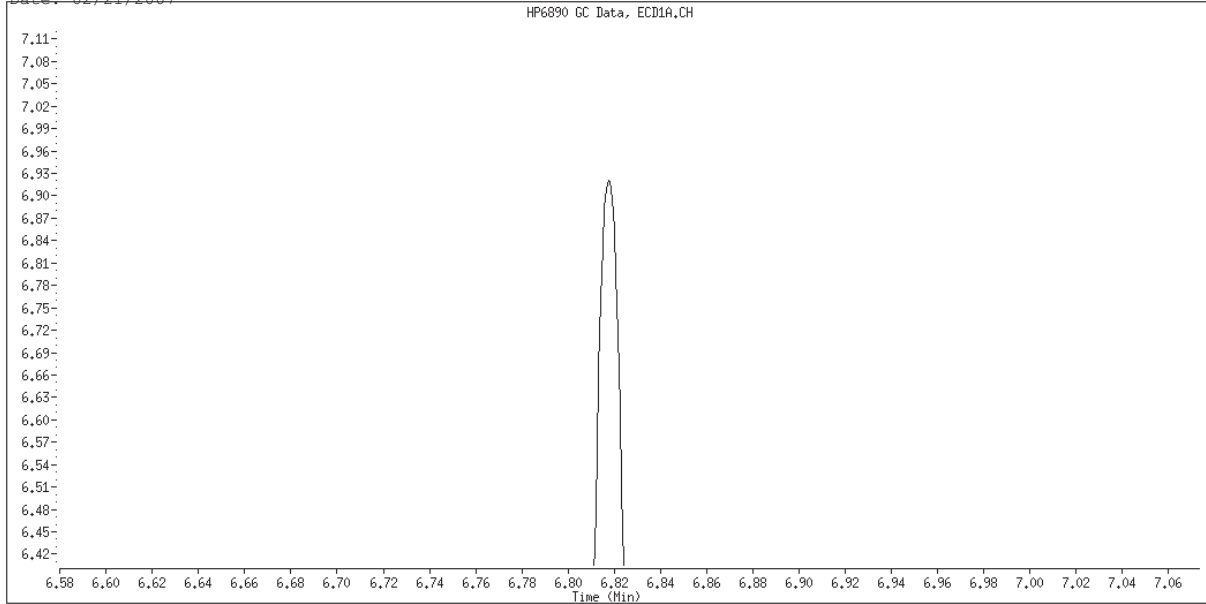


Data File Name: 010F1001.D
Inj. Date and Time: 20-FEB-2007 22:05
Instrument ID: B3.i
Client ID: S-389-022007-AH-217
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/21/2007

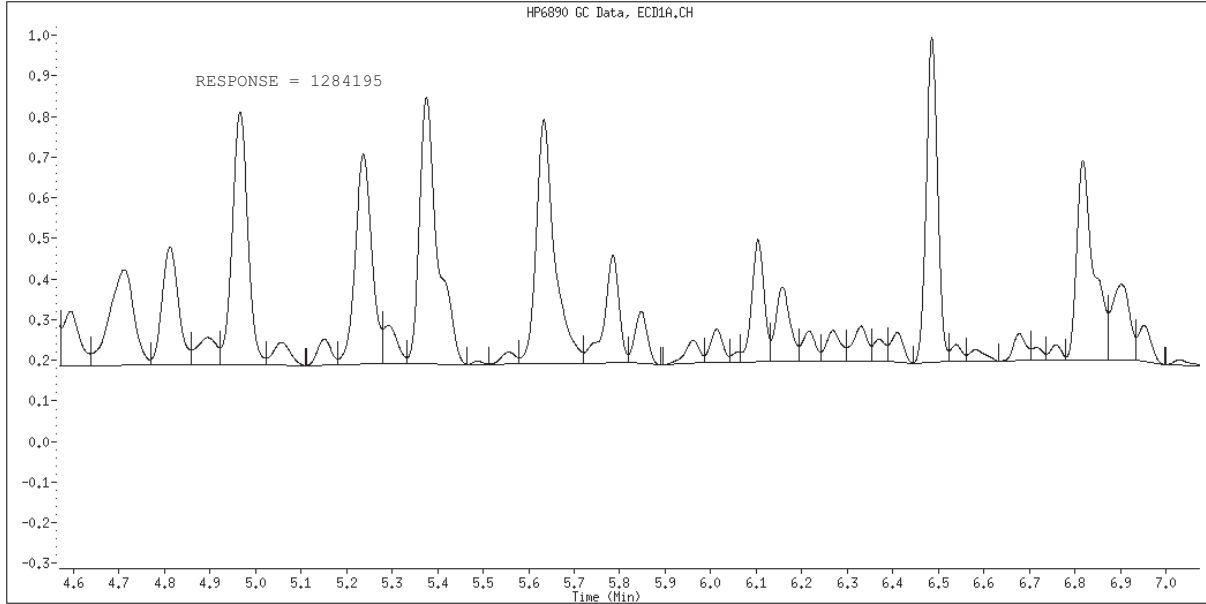


Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 010F1001.D
Inj. Date and Time: 20-FEB-2007 22:05
Instrument ID: B3.i
Client ID: S-389-022007-AH-217
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 02/21/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Report Date: 21-Feb-2007 08:54

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Lab Smp Id: JPQGM1AA Client Smp ID: S-389-022007-AH-217
 Inj Date : 20-FEB-2007 22:05
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGM1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.140	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.968	3674288	2976134	0.810	29.760	
1.000	1082987	474686	0.438	1.446	M 16 Total Pcb
4.533	352951	183678	0.520		6 AROCLOR-1248
6.817	730036	291008	0.399		8 AROCLOR-1260
1.047	177499	132994	0.749	0.405	
1.087	10363	7059	0.681	0.021	
1.515	8022	7101	0.885	0.021	
1.529	6369	6648	1.044	0.020	
1.623	32901	22065	0.671	0.067	
1.667	26063	17863	0.685	0.054	
1.762	2945	2905	0.986	0.008	
1.805	3296	3350	1.016	0.010	
1.867	4272	3159	0.739	0.009	
2.002	1293718	1078367	0.834	3.286	\$ 1 TCMX
2.100	17291	9645	0.558	0.029	
2.203	15041	13235	0.880	0.040	
2.231	61268	50058	0.817	0.152	
2.267	21832	18854	0.864	0.057	
2.315	44671	31659	0.709	0.096	
2.372	81981	57953	0.707	0.176	
2.571	78260	53353	0.682	0.162	
2.617	373484	224245	0.600	0.683	
2.707	4415	4166	0.944	0.012	

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Report Date: 21-Feb-2007 08:54

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
=====	=====	=====	=====	=====	=====
2.777	229545	150019	0.654	0.457	
2.836	2380792	1257593	0.528	3.832	
2.877	246533	164422	0.667	0.501	
2.910	88081	67793	0.770	0.206	
2.952	244224	210051	0.860	0.640	
2.961	277203	220476	0.795	0.671	
2.997	716858	474171	0.661	1.444	
3.117	1557999	1092886	0.701	3.330	
3.157	2775906	1565957	0.564	4.772	
3.427	1225875	630323	0.514	1.920	
3.537	517696	254120	0.491	0.774	
3.598	177464	106312	0.599	0.323	
3.645	1630632	919449	0.564	2.801	
3.690	846736	474216	0.560	1.445	
3.742	2197134	1360143	0.619	4.144	
3.773	4422316	2202784	0.498	6.712	
3.861	101697	50467	0.496	0.153	
3.963	2130518	1010823	0.474	3.080	
4.005	3916714	1240727	0.317	3.780	
4.149	67488	31283	0.464	0.095	
4.233	131161	60083	0.458	0.183	
4.297	733907	298415	0.407	0.909	
4.357	1041621	457182	0.439	1.393	
4.419	767291	335288	0.437	1.021	
4.593	330517	133424	0.404	0.406	
4.712	878681	235671	0.268	0.718	
4.895	200525	67129	0.335	0.204	
4.966	1483982	622120	0.419	1.895	
5.058	145892	56009	0.384	0.170	
5.150	130486	62878	0.482	0.191	
5.292	196933	95273	0.484	0.290	
5.376	1822633	657460	0.361	2.003	
5.487	11639	7888	0.678	0.024	
5.556	59725	28833	0.483	0.087	
5.785	616214	265194	0.430	0.808	
5.847	246564	128950	0.523	0.392	
5.960	123857	55587	0.449	0.169	
6.013	152336	81651	0.536	0.248	
6.061	29702	24491	0.825	0.074	
6.104	575875	301076	0.523	0.917	
6.157	403646	183956	0.456	0.560	
6.217	150532	75317	0.500	0.229	
6.268	169373	76244	0.450	0.232	
6.330	192302	86722	0.451	0.264	
6.370	97199	54896	0.565	0.167	
6.409	138559	72183	0.521	0.219	
6.538	66338	40354	0.608	0.122	
6.582	67105	27394	0.408	0.083	
6.678	127578	66069	0.518	0.201	
6.714	51099	31172	0.610	0.094	
6.758	65502	38071	0.581	0.116	
6.902	510832	186539	0.365	0.568	
6.952	168067	88718	0.528	0.270	
7.028	27285	12976	0.476	0.039	
7.122	143278	60212	0.420	0.183	
7.215	378789	125094	0.330	0.381	
7.266	115236	52796	0.458	0.160	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\010F1001.D
 Report Date: 21-Feb-2007 08:54

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.380	126428	57329	0.453	0.174	
7.425	79342	52564	0.662	0.160	
7.457	150307	90007	0.599	0.274	
7.492	511323	258947	0.506	0.789	
7.559	91166	45698	0.501	0.139	
7.657	117678	55308	0.470	0.168	
7.674	89681	55919	0.624	0.170	
7.702	103106	52989	0.514	0.161	
7.779	425330	103420	0.243	0.315	
7.901	57744	24673	0.427	0.075	
7.998	1656160	879686	0.531	2.680	\$ 9 DCB
8.047	36003	26575	0.738	0.080	
8.081	53868	28481	0.529	0.086	
8.121	21183	13367	0.631	0.040	
8.208	17512	9612	0.549	0.029	
8.291	18773	9810	0.523	0.029	
8.382	6267	3677	0.587	0.011	
8.455	39754	14208	0.357	0.043	
8.514	13309	7575	0.569	0.023	
8.594	16356	8316	0.508	0.025	
8.647	7164	4017	0.561	0.012	
8.718	21962	10599	0.483	0.032	
8.828	2682	1903	0.709	0.005	
8.858	4475	2846	0.636	0.008	
8.919	5070	3140	0.619	0.009	
9.137	6773	4626	0.683	0.014	
9.322	5603	3108	0.555	0.009	
9.417	10995	6087	0.554	0.018	
9.536	82009	30363	0.370	0.092	
9.622	13758	6678	0.485	0.020	
9.702	10306	5013	0.486	0.015	
9.799	131701	30711	0.233	0.093	
9.942	95966	27238	0.284	0.083	
10.097	52610	11217	0.213	0.034	
10.193	17369	7431	0.428	0.022	
10.317	161695	26649	0.165	0.081	
10.447	47720	15363	0.322	0.046	
10.556	79434	28817	0.363	0.087	
10.615	17162	8969	0.523	0.027	
10.802	27757	9922	0.357	0.030	
11.037	176351	25987	0.147	0.079	
11.171	68477	26111	0.381	0.079	
11.432	7482	3282	0.439	0.010	
11.545	22454	13394	0.596	0.040	
	63878194	32815028		100.000	

Total unknown % height = 92.59

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SE-389-022007-AH-21790

GC Semivolatiles

Lot-Sample #....: A7B200269-002 Work Order #....: JPQGN1AA Matrix.....: SE
 Date Sampled...: 02/20/07 10:13 Date Received...: 02/20/07
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Initial Wgt/Vol: 30.12 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 38 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	53	ug/kg
Aroclor 1221	ND	53	ug/kg
Aroclor 1232	ND	53	ug/kg
Aroclor 1242	ND	53	ug/kg
Aroclor 1248	580	53	ug/kg
Aroclor 1254	ND	53	ug/kg
Aroclor 1260	140	53	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	91	(10 - 127)
Decachlorobiphenyl	95	(40 - 138)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
Report Date: 21-Feb-2007 08:54

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
Lab Smp Id: JPQGN1AA Client Smp ID: SE-389-022007-AH-21
Inj Date : 20-FEB-2007 22:19
Operator : 402338 Inst ID: B3.i
Smp Info : JPQGN1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.120	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.002	2.003	-0.001		1362632	0.04557	15.13	

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
 Report Date: 21-Feb-2007 08:54

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.482	2.474	0.008	217286	0.51341	170.4	80.00- 120.00	100.00 (M)
3.097	3.089	0.008	663541	0.90224	299.5	124.40- 207.34	305.38
3.304	3.296	0.008	1193938	1.00601	334.0	204.42- 340.70	549.48
3.387	3.379	0.008	914014	1.48046	491.5	105.14- 175.23	420.65
4.534	4.524	0.010	888800	1.51520	503.0	103.96- 173.27	409.05
Average of Peak Concentrations =					359.7		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.812	4.816	-0.004	321988	0.22459	74.56	80.00- 120.00	100.00 (M)
5.237	5.239	-0.002	635237	0.27137	90.10	121.71- 202.85	197.29
5.633	5.636	-0.003	814460	0.30136	100.0	143.40- 239.01	252.95
6.487	6.488	-0.001	630074	0.20360	67.59	164.12- 273.54	195.68
6.817	6.818	-0.001	635071	0.35095	116.5	93.60- 155.99	197.23
Average of Peak Concentrations =					89.76		

9 DCB			CAS #: 2051-24-3				
7.999	8.001	-0.002	1628321	0.04727	15.69		

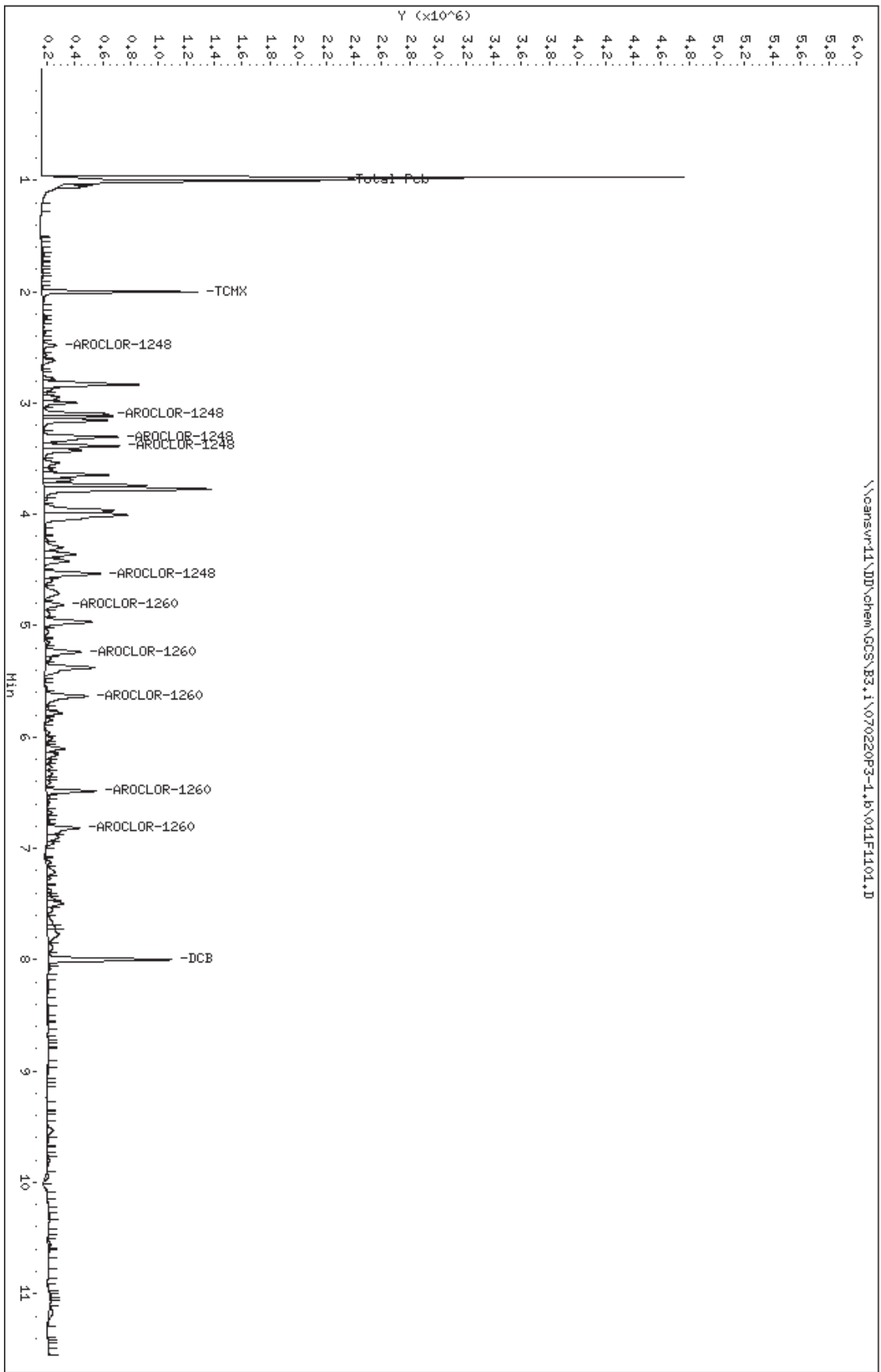
M 16 Total Pcb			CAS #: 1336-36-3				
				0	1.35384	449.5	

QC Flag Legend

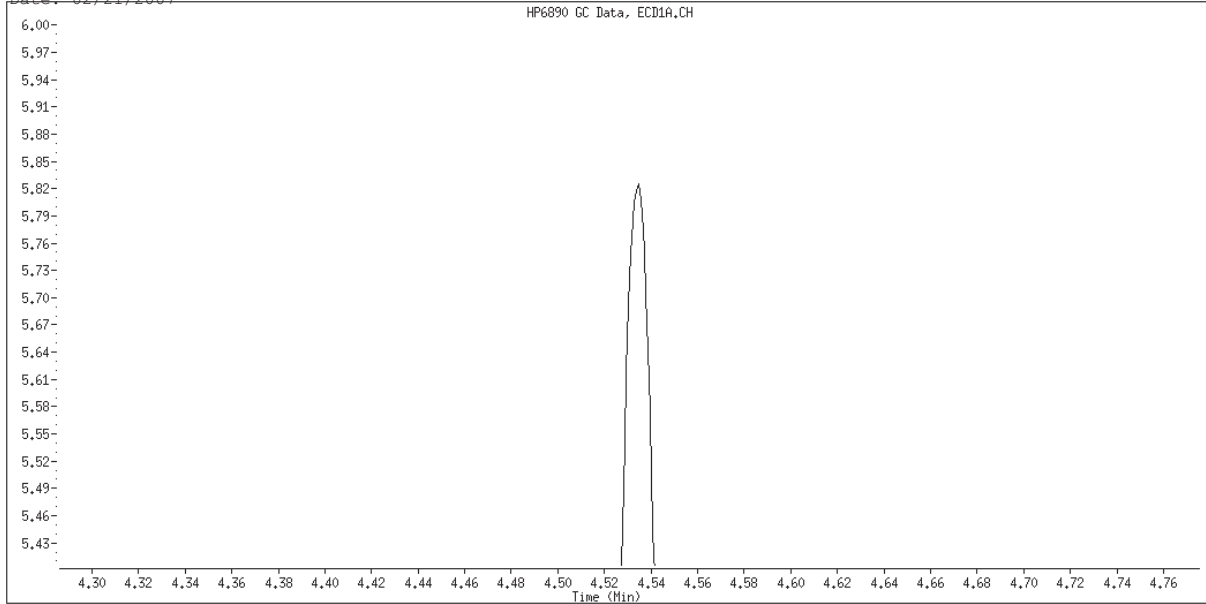
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.b\011F1101.D
 Date: 20-FEB-2007 22:19
 Client ID: SE-389-022007-QH-21
 Sample Info: JFQCML0A/1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

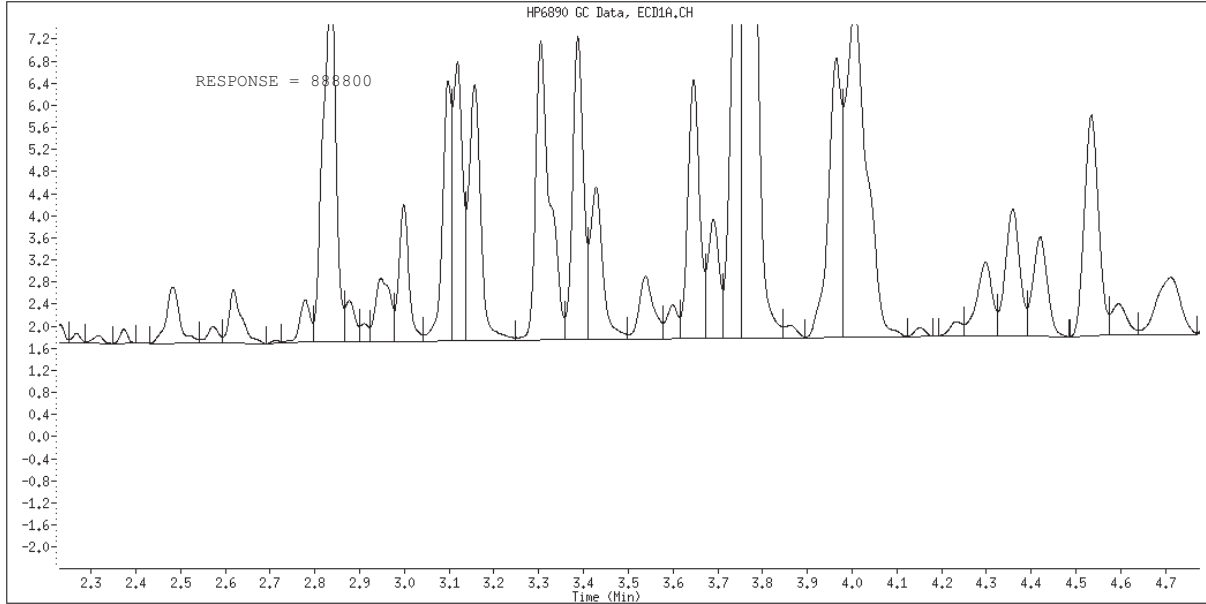
Instrument: B3.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 011F1101.D
Inj. Date and Time: 20-FEB-2007 22:19
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/21/2007



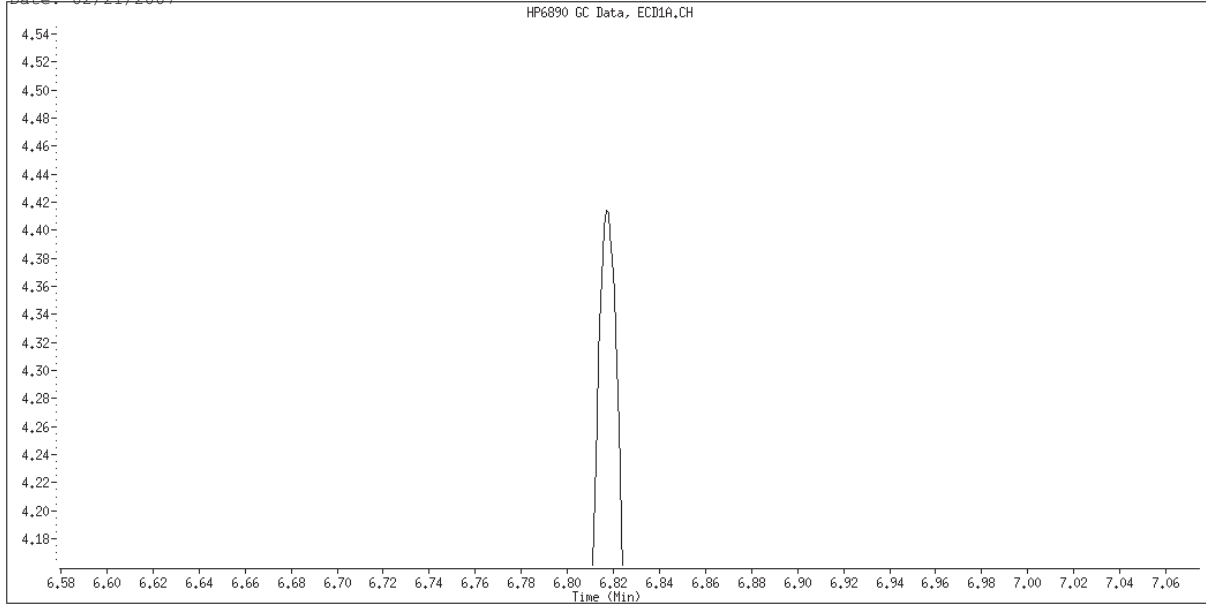
Original Integration



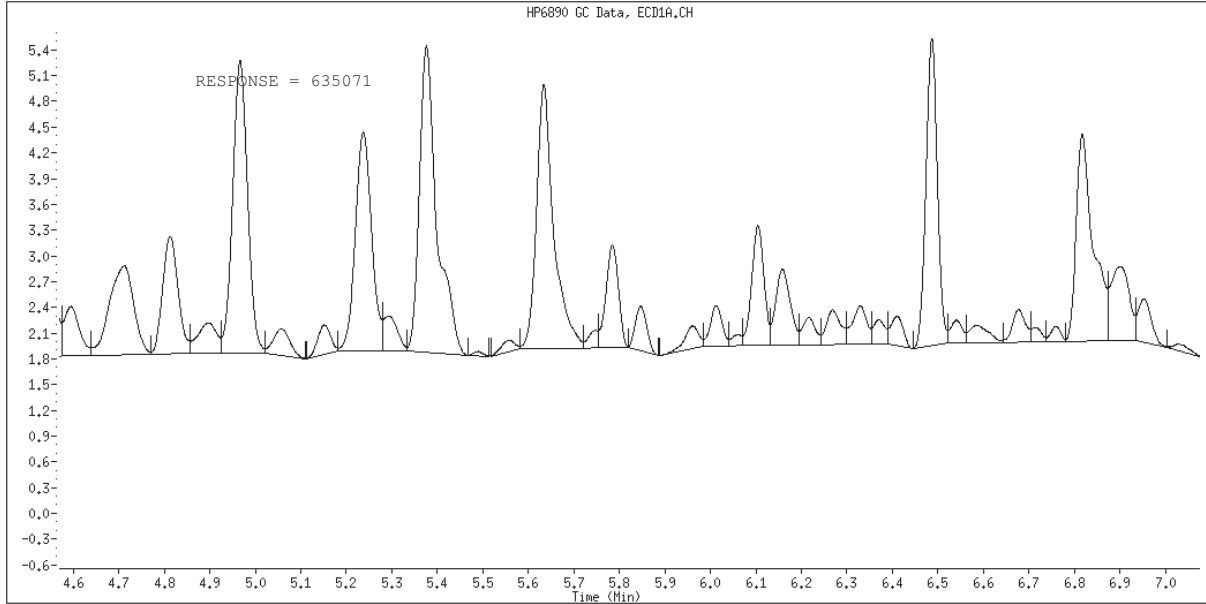
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 011F1101.D
Inj. Date and Time: 20-FEB-2007 22:19
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 02/21/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
 Report Date: 21-Feb-2007 08:54

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
 Lab Smp Id: JPQGN1AA Client Smp ID: SE-389-022007-AH-21
 Inj Date : 20-FEB-2007 22:19
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGN1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.120	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.969	5236540	4512577	0.862	37.670	
1.000	539274	238955	0.443	1.177	M 16 Total Pcb
4.535	217286	101903	0.469		6 AROCLOR-1248
6.817	321988	137052	0.426		8 AROCLOR-1260
1.049	272583	212906	0.781	1.048	
1.227	5263	2779	0.528	0.013	
1.512	6550	8091	1.235	0.039	
1.532	15536	7323	0.471	0.036	
1.627	15732	8448	0.537	0.041	
1.669	29648	22267	0.751	0.109	
1.717	4669	2695	0.577	0.013	
1.759	4074	2804	0.688	0.013	
1.808	4085	2972	0.728	0.014	
1.868	5878	3635	0.618	0.017	
2.003	1362633	1117242	0.820	5.503	\$ 1 TCMX
2.203	10818	8539	0.789	0.042	
2.232	40776	32513	0.797	0.160	
2.268	20780	17229	0.829	0.084	
2.317	21374	13914	0.651	0.068	
2.373	29479	25500	0.865	0.125	
2.573	50606	29530	0.584	0.145	
2.619	190289	96043	0.505	0.473	
2.712	5006	4366	0.872	0.021	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
 Report Date: 21-Feb-2007 08:54

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
=====	=====	=====	=====	=====	=====
2.779	122577	76249	0.622	0.375	
2.836	1346062	688206	0.511	3.390	
2.878	112973	74757	0.662	0.368	
2.910	40890	32395	0.792	0.159	
2.947	266744	114215	0.428	0.562	
2.999	384724	246881	0.642	1.216	
3.119	746592	504792	0.676	2.486	
3.157	860718	464133	0.539	2.286	
3.428	543035	275428	0.507	1.356	
3.539	259652	113964	0.439	0.561	
3.599	105353	61589	0.585	0.303	
3.646	846567	468517	0.553	2.307	
3.690	376851	215580	0.572	1.061	
3.742	1167380	738177	0.632	3.636	
3.774	2425159	1206346	0.497	5.942	
3.860	44596	22915	0.514	0.112	
3.965	1056254	506227	0.479	2.493	
4.005	1920741	598574	0.312	2.948	
4.151	28375	16475	0.581	0.081	
4.233	52104	26538	0.509	0.130	
4.298	329757	134005	0.406	0.660	
4.359	514210	229145	0.446	1.128	
4.420	402923	179547	0.446	0.884	
4.595	131173	56942	0.434	0.280	
4.713	384527	103135	0.268	0.508	
4.896	103664	35460	0.342	0.174	
4.966	780225	340100	0.436	1.675	
5.059	76554	30841	0.403	0.151	
5.151	68592	34563	0.504	0.170	
5.293	82916	40563	0.489	0.199	
5.376	948064	357117	0.377	1.759	
5.490	6729	5053	0.751	0.024	
5.557	27330	13331	0.488	0.065	
5.748	29266	20345	0.695	0.100	
5.785	226957	119820	0.528	0.590	
5.847	91585	52130	0.569	0.256	
5.960	59344	26526	0.447	0.130	
6.014	86504	47346	0.547	0.233	
6.058	19285	13005	0.674	0.064	
6.105	262247	139574	0.532	0.687	
6.159	196689	88470	0.450	0.435	
6.217	62293	32213	0.517	0.158	
6.269	89161	40961	0.459	0.201	
6.330	98353	44530	0.453	0.219	
6.369	50890	28577	0.562	0.140	
6.410	63415	34185	0.539	0.168	
6.541	47003	26462	0.563	0.130	
6.585	59386	20183	0.340	0.099	
6.677	75699	38157	0.504	0.187	
6.716	25109	16225	0.646	0.079	
6.759	26030	17819	0.685	0.087	
6.902	242455	86734	0.358	0.427	
6.953	99037	50804	0.513	0.250	
7.028	17994	7337	0.408	0.036	
7.123	78348	36715	0.469	0.180	
7.215	172834	59703	0.345	0.294	
7.269	45829	25621	0.559	0.126	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\011F1101.D
 Report Date: 21-Feb-2007 08:54

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.381	54126	31505	0.582	0.155	
7.424	33153	23535	0.710	0.115	
7.456	81222	51346	0.632	0.252	
7.494	266161	118994	0.447	0.586	
7.555	96068	39621	0.412	0.195	
7.681	118021	39549	0.335	0.194	
7.710	130709	56850	0.435	0.280	
7.772	358032	82324	0.230	0.405	
7.894	131743	36309	0.276	0.178	
8.000	1628321	890852	0.547	4.388	\$ 9 DCB
8.082	43776	19926	0.455	0.098	
8.211	18144	6766	0.373	0.033	
8.294	12475	6874	0.551	0.033	
8.446	25034	8549	0.342	0.042	
8.527	11195	6713	0.600	0.033	
8.599	8567	4384	0.512	0.021	
8.722	4975	3723	0.748	0.018	
8.761	4860	3066	0.631	0.015	
8.795	3640	3987	1.095	0.019	
8.923	13921	5159	0.371	0.025	
9.005	37926	14174	0.374	0.069	
9.130	3157	2512	0.796	0.012	
9.324	9696	4419	0.456	0.021	
9.348	2657	2614	0.984	0.012	
9.418	3399	2175	0.640	0.010	
9.536	172712	47296	0.274	0.232	
9.623	28817	9819	0.341	0.048	
9.698	6945	3679	0.530	0.018	
9.770	12366	7867	0.636	0.038	
9.800	68845	18333	0.266	0.090	
9.942	88383	23158	0.262	0.114	
10.087	19239	1323	0.069	0.006	
10.196	9045	3882	0.429	0.019	
10.312	26807	11082	0.413	0.054	
10.444	10728	5271	0.491	0.025	
10.555	64896	21406	0.330	0.105	
10.604	6421	9263	1.443	0.045	
10.620	24151	10722	0.444	0.052	
10.795	12205	4690	0.384	0.023	
10.967	5000	2849	0.570	0.014	
11.000	6421	4681	0.729	0.023	
11.030	13337	9570	0.718	0.047	
11.046	14253	10257	0.720	0.050	
11.109	2975	5761	1.936	0.028	
11.171	151769	31707	0.209	0.156	
11.419	3147	2565	0.815	0.012	
11.435	2779	3381	1.216	0.016	
11.545	12361	8251	0.667	0.040	
	=====	=====	=====	=====	
	36901035	20300915		100.000	

Total unknown % height = 88.93

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SE-389-022007-AH-21791

GC Semivolatiles

Lot-Sample #....: A7B200269-003 Work Order #....: JPQGP1AA Matrix.....: SE
 Date Sampled...: 02/20/07 10:15 Date Received...: 02/20/07
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Initial Wgt/Vol: 30 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 39 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	54	ug/kg
Aroclor 1221	ND	54	ug/kg
Aroclor 1232	ND	54	ug/kg
Aroclor 1242	ND	54	ug/kg
Aroclor 1248	600	54	ug/kg
Aroclor 1254	ND	54	ug/kg
Aroclor 1260	170	54	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	81	(10 - 127)
Decachlorobiphenyl	91	(40 - 138)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
Report Date: 21-Feb-2007 10:19

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
Lab Smp Id: JPQGP1AA Client Smp ID: SE-389-022007-AH-21
Inj Date : 20-FEB-2007 22:33
Operator : 402338 Inst ID: B3.i
Smp Info : JPQGP1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.002	2.003	-0.001		1216166	0.04067	13.56	

2	AROCLOR-1221					CAS #: 11104-28-2	
Operator disabled compound identification.							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
 Report Date: 21-Feb-2007 10:19

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ON-COL	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.482	2.474	0.008	215186	0.50844	169.5	80.00- 120.00	100.00 (M)
3.097	3.089	0.008	676280	0.91957	306.5	124.40- 207.34	314.28
3.304	3.296	0.008	1237302	1.04255	347.5	204.42- 340.70	574.99
3.387	3.379	0.008	924264	1.49707	499.0	105.14- 175.23	429.52
4.533	4.524	0.009	935469	1.59476	531.6	103.96- 173.27	434.73
Average of Peak Concentrations =					370.8		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.813	4.816	-0.003	380960	0.26572	88.57	80.00- 120.00	100.00 (M)
5.237	5.239	-0.002	711978	0.30415	101.4	121.71- 202.85	186.89
5.633	5.636	-0.003	917665	0.33954	113.2	143.40- 239.01	240.88
6.486	6.488	-0.002	721147	0.23302	77.67	164.12- 273.54	189.30
6.818	6.818	0.000	704013	0.38905	129.7	93.60- 155.99	184.80
Average of Peak Concentrations =					102.1		

9 DCB			CAS #: 2051-24-3				
7.999	8.001	-0.002	1571050	0.04560	15.20		

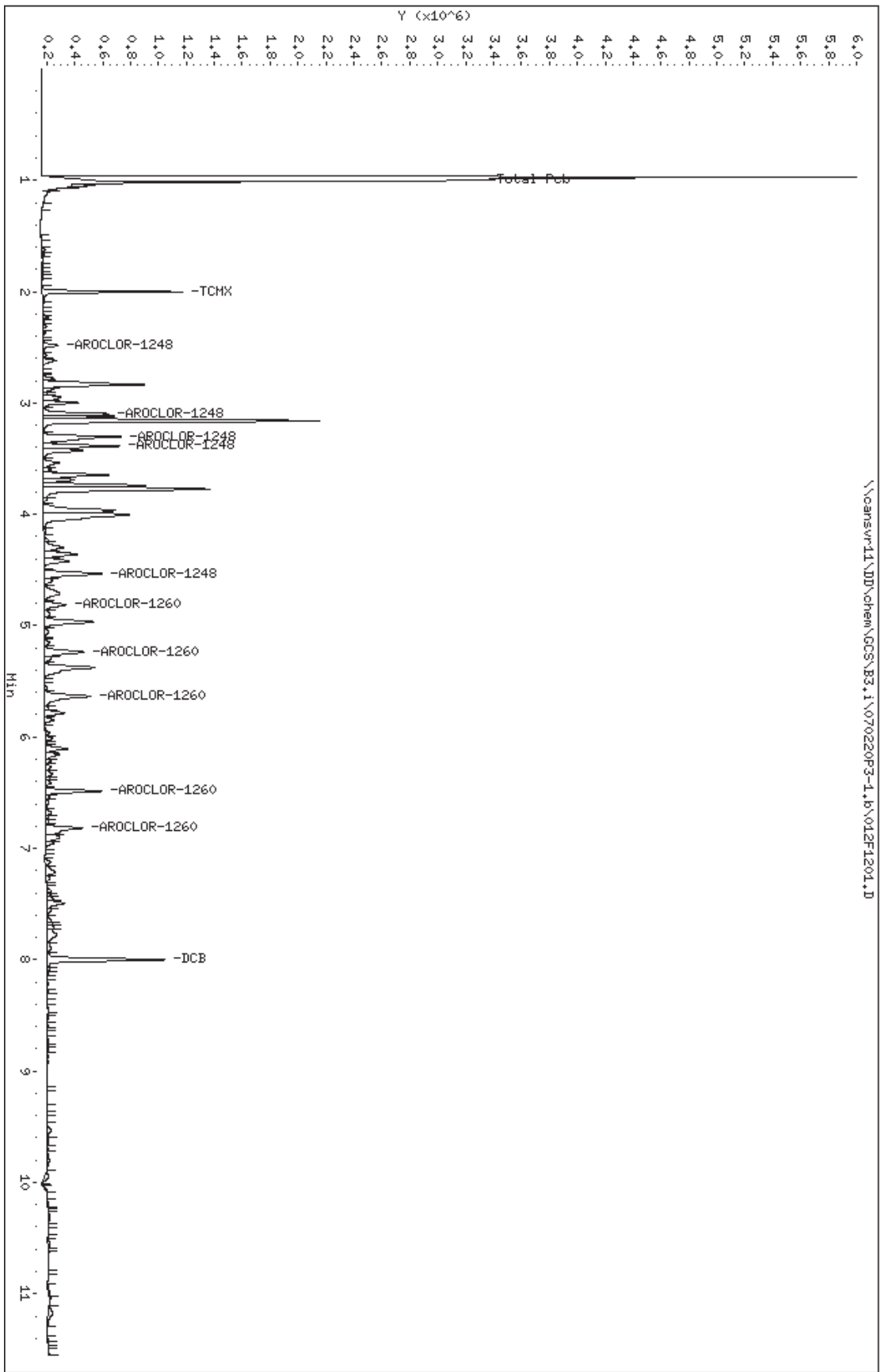
M 16 Total Pcb			CAS #: 1336-36-3				
				0	1.41877	472.9	

QC Flag Legend

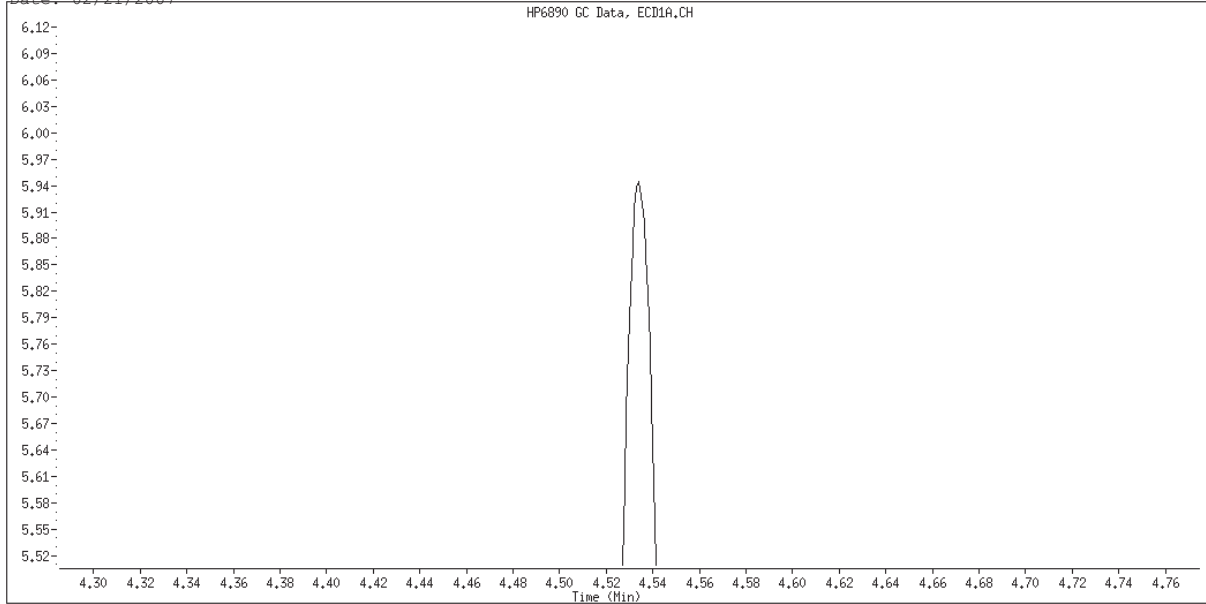
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.b\012F1201.D
 Date: 20-FEB-2007 22:33
 Client ID: SE-389-022007-QH-Z1
 Sample Info: JF00P1A0.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

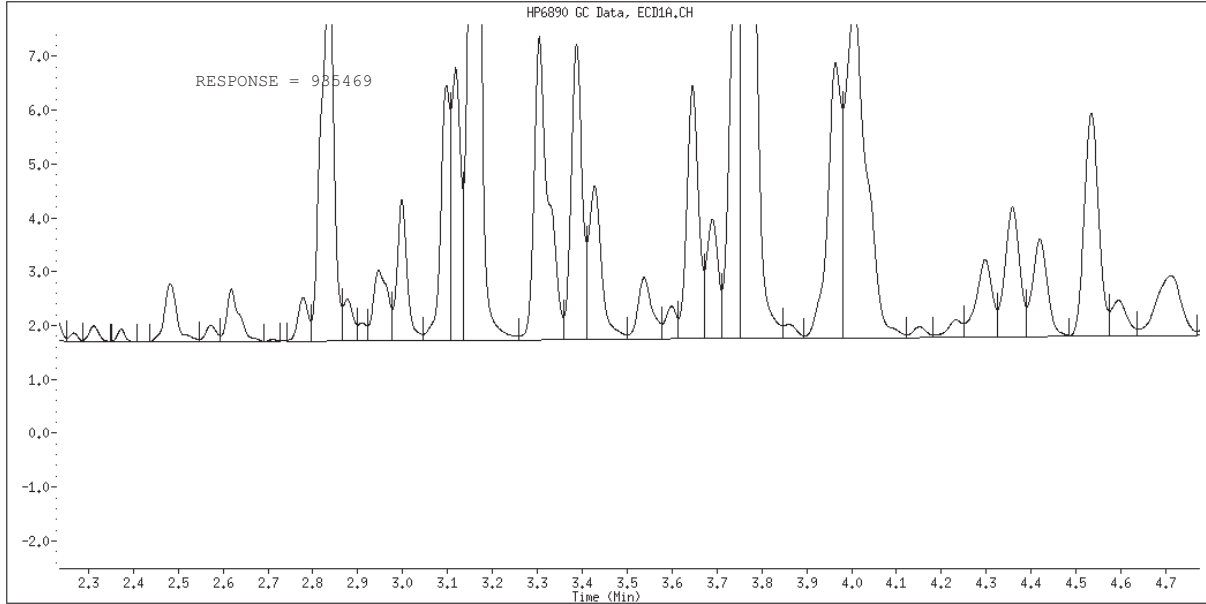
Instrument: B3.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 012F1201.D
Inj. Date and Time: 20-FEB-2007 22:33
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/21/2007



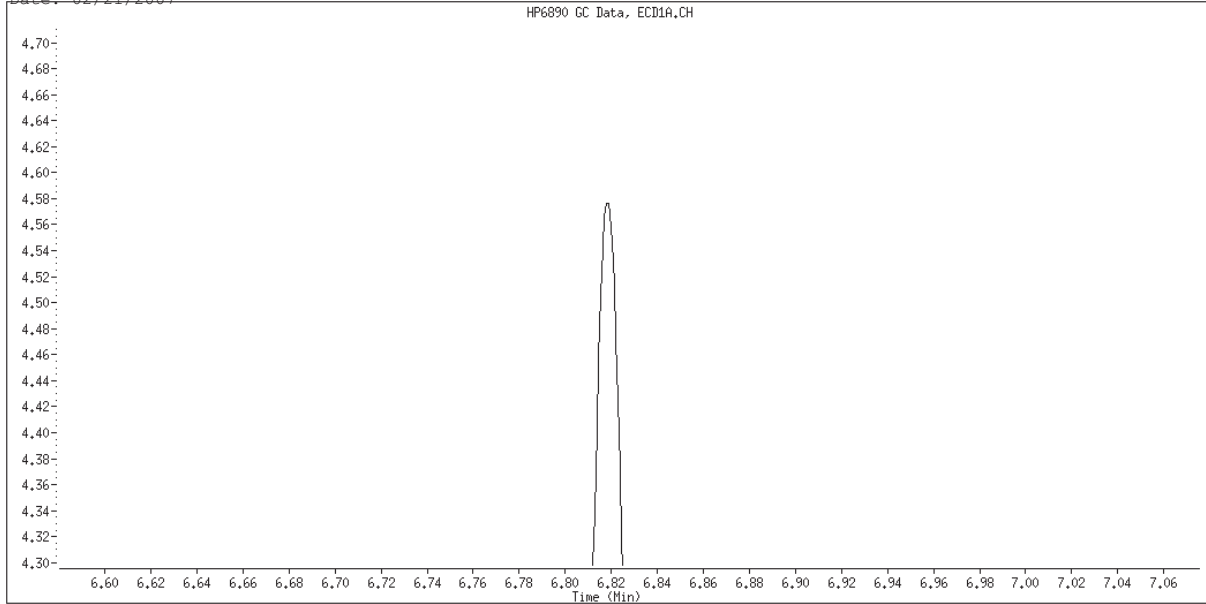
Original Integration



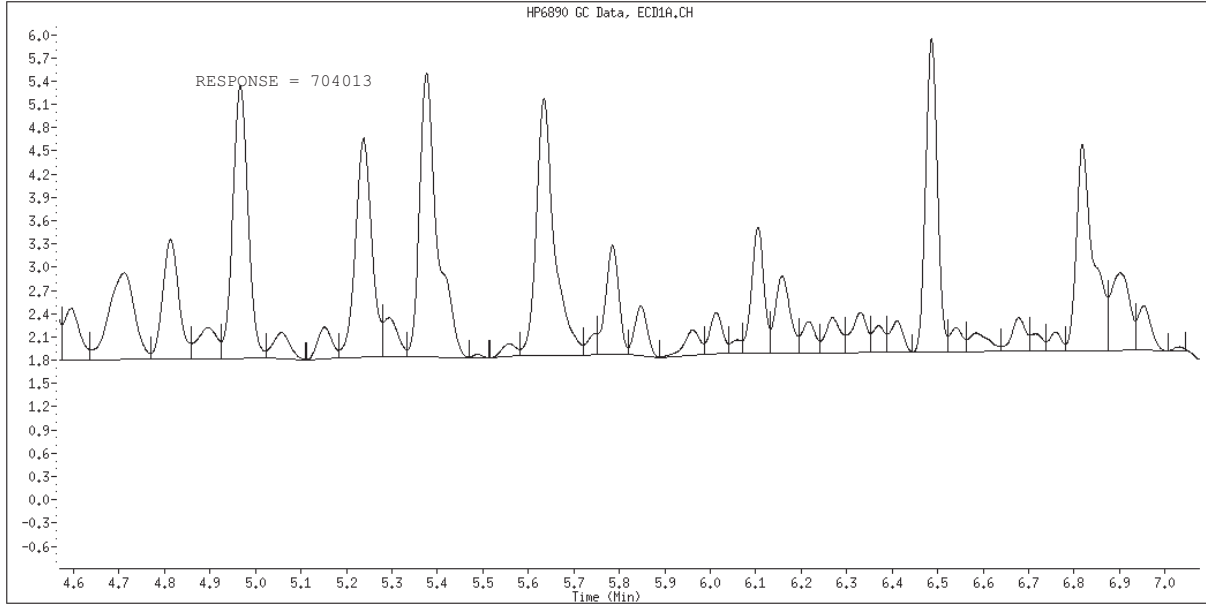
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 012F1201.D
Inj. Date and Time: 20-FEB-2007 22:33
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 02/21/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
 Report Date: 21-Feb-2007 10:19

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
 Lab Smp Id: JPQGP1AA Client Smp ID: SE-389-022007-AH-21
 Inj Date : 20-FEB-2007 22:33
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGP1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.969	9711160	6836463	0.704	41.218	
1.000	596146	261703	0.439	1.064	M 16 Total Pcb
4.534	215186	107764	0.501		6 AROCLOR-1248
6.819	380960	153939	0.404		8 AROCLOR-1260
1.048	135253	167488	1.238	0.681	
1.062	79425	88680	1.117	0.360	
1.229	5741	3948	0.688	0.016	
1.534	14624	5065	0.346	0.020	
1.624	38259	27602	0.721	0.112	
1.667	27230	19175	0.704	0.077	
1.757	4027	2814	0.699	0.011	
1.809	4155	2678	0.645	0.010	
1.866	3304	2441	0.739	0.009	
2.002	1216167	1002223	0.824	4.075	\$ 1 TCMX
2.100	15879	8766	0.552	0.035	
2.203	9579	9179	0.958	0.037	
2.231	49230	39012	0.792	0.158	
2.266	18337	15201	0.829	0.061	
2.311	43299	28976	0.669	0.117	
2.373	27206	23961	0.881	0.097	
2.572	50774	30461	0.600	0.123	
2.618	190100	97646	0.514	0.397	
2.710	4448	3596	0.809	0.014	

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
 Report Date: 21-Feb-2007 10:19

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
2.778	126825	81322	0.641	0.330	
2.836	1423120	728402	0.512	2.962	
2.876	115672	77290	0.668	0.314	
2.911	41806	33621	0.804	0.136	
2.947	292582	130934	0.448	0.532	
2.998	408668	261009	0.639	1.061	
3.118	703296	506397	0.720	2.059	
3.160	3156982	1982793	0.628	8.063	
3.428	563191	285123	0.506	1.159	
3.538	252397	114291	0.453	0.464	
3.599	101770	60075	0.590	0.244	
3.645	853391	469910	0.551	1.911	
3.690	387769	221266	0.571	0.899	
3.741	1141386	736851	0.646	2.996	
3.774	2445168	1189544	0.486	4.837	
3.860	49996	25935	0.519	0.105	
3.965	1077763	511343	0.474	2.079	
4.006	1992984	617864	0.310	2.512	
4.150	40938	19508	0.477	0.079	
4.230	70246	31919	0.454	0.129	
4.297	357718	143657	0.402	0.584	
4.358	551754	240789	0.436	0.979	
4.420	416108	181889	0.437	0.739	
4.595	158655	66162	0.417	0.269	
4.711	436385	111735	0.256	0.454	
4.896	118953	39619	0.333	0.161	
4.966	822296	351790	0.428	1.430	
5.058	87863	33897	0.386	0.137	
5.153	85620	40094	0.468	0.163	
5.294	109484	50531	0.462	0.205	
5.377	994352	366234	0.368	1.489	
5.486	5951	4595	0.772	0.018	
5.558	35918	16685	0.465	0.067	
5.749	40466	27862	0.689	0.113	
5.785	284295	141237	0.497	0.574	
5.848	121429	64209	0.529	0.261	
5.963	74896	31762	0.424	0.129	
6.013	105167	53336	0.507	0.216	
6.060	28224	17785	0.630	0.072	
6.105	314228	161732	0.515	0.657	
6.158	226521	99986	0.441	0.406	
6.216	79975	40644	0.508	0.165	
6.270	103284	45438	0.440	0.184	
6.330	120937	51868	0.429	0.210	
6.371	61166	34621	0.566	0.140	
6.411	78828	40328	0.512	0.164	
6.540	57232	30914	0.540	0.125	
6.585	74479	23929	0.321	0.097	
6.678	91292	43252	0.474	0.175	
6.715	40958	22023	0.538	0.089	
6.759	43443	24273	0.559	0.098	
6.901	281130	100139	0.356	0.407	
6.955	114993	57212	0.498	0.232	
7.029	7545	5184	0.687	0.021	
7.123	108100	44266	0.409	0.180	
7.215	237821	72779	0.306	0.295	
7.270	65708	32393	0.493	0.131	

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\012F1201.D
 Report Date: 21-Feb-2007 10:19

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.380	68963	33581	0.487	0.136	
7.425	43843	29564	0.674	0.120	
7.458	93368	55655	0.596	0.226	
7.494	277100	132669	0.479	0.539	
7.559	80849	35702	0.442	0.145	
7.657	65491	34314	0.524	0.139	
7.680	57058	38303	0.671	0.155	
7.710	113828	48904	0.430	0.198	
7.776	311983	72046	0.231	0.293	
7.897	101842	27439	0.269	0.111	
8.000	1571050	843807	0.537	3.431	\$ 9 DCB
8.082	25601	15359	0.600	0.062	
8.120	5323	4175	0.784	0.016	
8.212	15004	6255	0.417	0.025	
8.291	11947	7832	0.656	0.031	
8.380	2681	2242	0.836	0.009	
8.451	12541	5952	0.475	0.024	
8.523	8569	5210	0.608	0.021	
8.599	4965	3153	0.635	0.012	
8.644	3091	1790	0.579	0.007	
8.728	13325	6011	0.451	0.024	
8.807	3152	1500	0.476	0.006	
9.149	4542	2995	0.659	0.012	
9.326	12162	4129	0.339	0.016	
9.419	4983	2626	0.527	0.010	
9.536	114578	31952	0.279	0.129	
9.625	29890	9983	0.334	0.040	
9.699	9403	4208	0.448	0.017	
9.799	83922	17450	0.208	0.070	
9.948	101758	26883	0.264	0.109	
10.080	15182	1717	0.113	0.006	
10.192	14260	5544	0.389	0.022	
10.254	6212	5363	0.863	0.021	
10.317	65860	15743	0.239	0.064	
10.440	8469	3961	0.468	0.016	
10.560	48073	16629	0.346	0.067	
10.610	4148	5186	1.250	0.021	
10.805	7548	3609	0.478	0.014	
11.025	41021	11661	0.284	0.047	
11.174	162060	32248	0.199	0.131	
11.421	4427	3262	0.737	0.013	
11.440	8611	3917	0.455	0.015	
11.545	11142	7772	0.698	0.031	
	===== 44911417	===== 24588687		===== 100.000	

Total unknown % height = 91.43

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SE-389-022007-AH-21792

GC Semivolatiles

Lot-Sample #....: A7B200269-004 Work Order #....: JPQGQ1AA Matrix.....: SE
 Date Sampled...: 02/20/07 10:18 Date Received...: 02/20/07
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Initial Wgt/Vol: 30.13 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 26 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	45	ug/kg
Aroclor 1221	ND	45	ug/kg
Aroclor 1232	ND	45	ug/kg
Aroclor 1242	ND	45	ug/kg
Aroclor 1248	870	45	ug/kg
Aroclor 1254	ND	45	ug/kg
Aroclor 1260	190	45	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	78	(10 - 127)
Decachlorobiphenyl	89	(40 - 138)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Report Date: 21-Feb-2007 08:56

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Lab Smp Id: JPQGQ1AA Client Smp ID: SE-389-022007-AH-21
 Inj Date : 20-FEB-2007 22:48
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGQ1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.130	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.002	2.003	-0.001	1167114	0.03903	12.95		

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Report Date: 21-Feb-2007 08:56

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.483	2.474	0.009	305177	0.72107	239.3	80.00- 120.00	100.00 (M)
3.097	3.089	0.008	1234594	1.67873	557.2	124.40- 207.34	404.55
3.304	3.296	0.008	2412949	2.03314	674.8	204.42- 340.70	790.67
3.388	3.379	0.009	1578150	2.55619	848.4	105.14- 175.23	517.13
4.534	4.524	0.010	1580683	2.69469	894.4	103.96- 173.27	517.96
Average of Peak Concentrations =					642.8		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.813	4.816	-0.003	603040	0.42062	139.6	80.00- 120.00	100.00 (M)
5.239	5.239	0.000	998576	0.42659	141.6	121.71- 202.85	165.59
5.634	5.636	-0.002	1209704	0.44760	148.6	143.40- 239.01	200.60
6.487	6.488	-0.001	999560	0.32299	107.2	164.12- 273.54	165.75
6.819	6.818	0.001	967582	0.53471	177.5	93.60- 155.99	160.45
Average of Peak Concentrations =					142.9		

9 DCB			CAS #: 2051-24-3				
8.000	8.001	-0.001	1537360	0.04463	14.81		

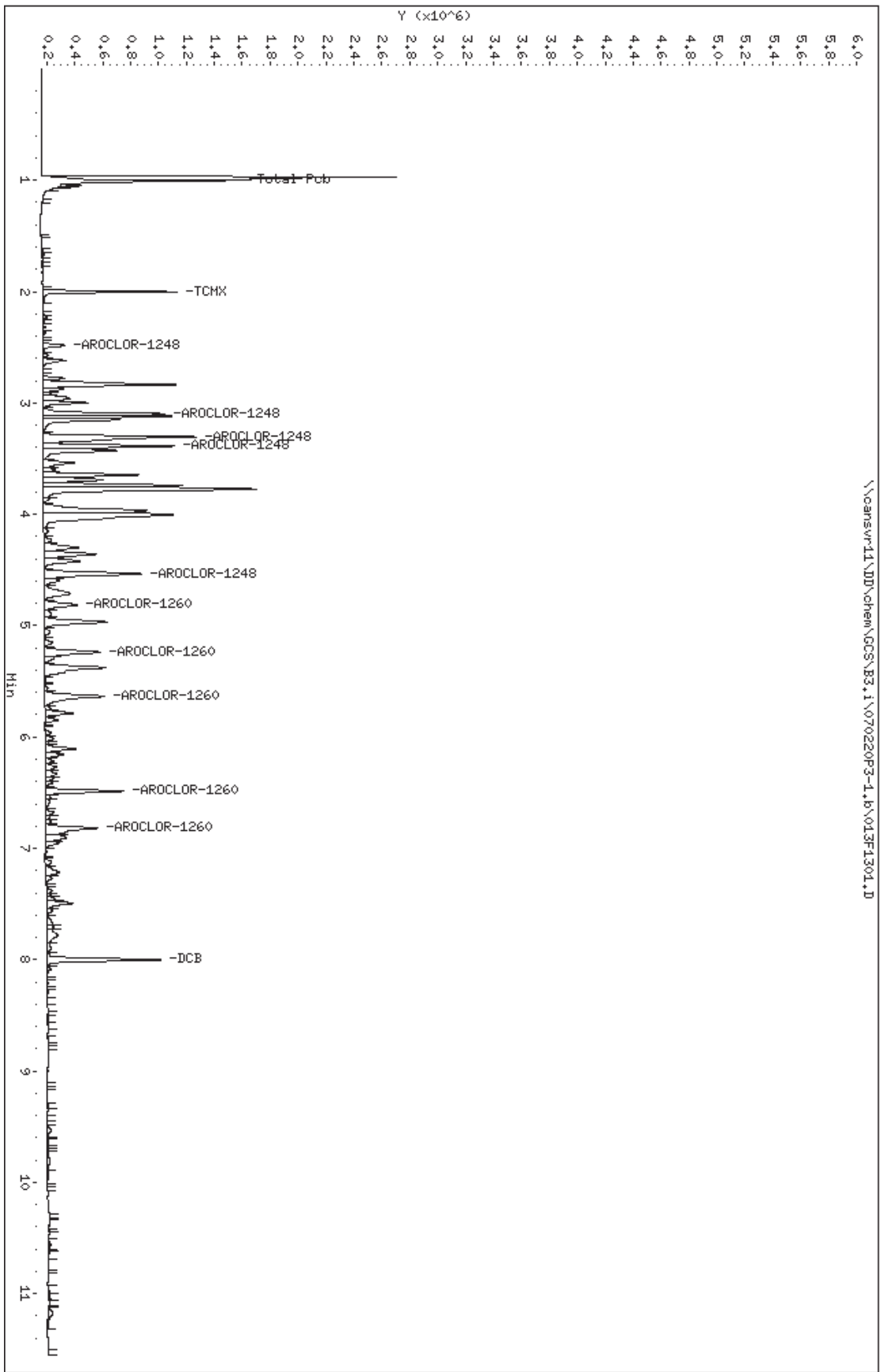
M 16 Total Pcb			CAS #: 1336-36-3				
				0	2.36727	785.7	

QC Flag Legend

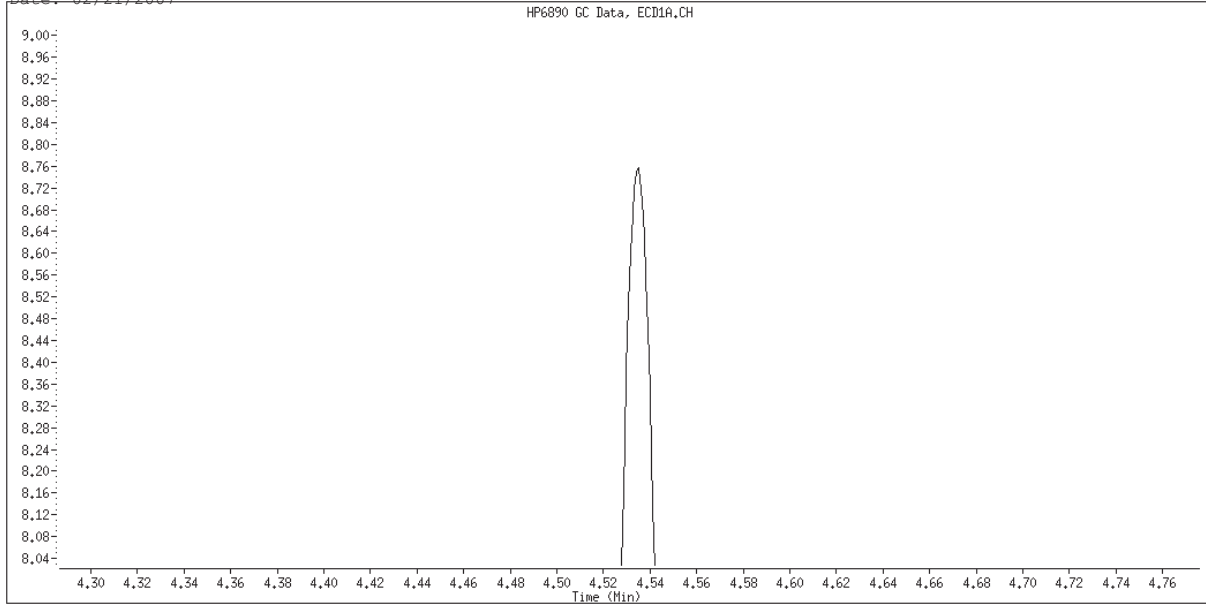
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.6\013F1301.D
 Date: 20-FEB-2007 22:48
 Client ID: SE-389-022007-QH-21
 Sample Info: JF0001A9.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

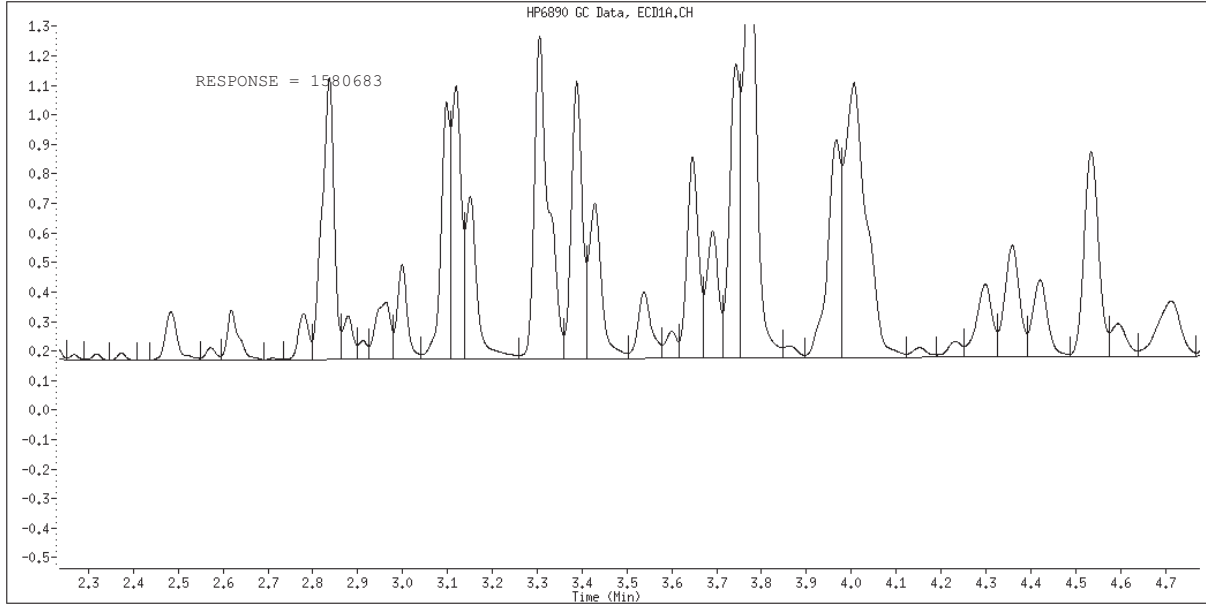
Instrument: B3.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 013F1301.D
Inj. Date and Time: 20-FEB-2007 22:48
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/21/2007



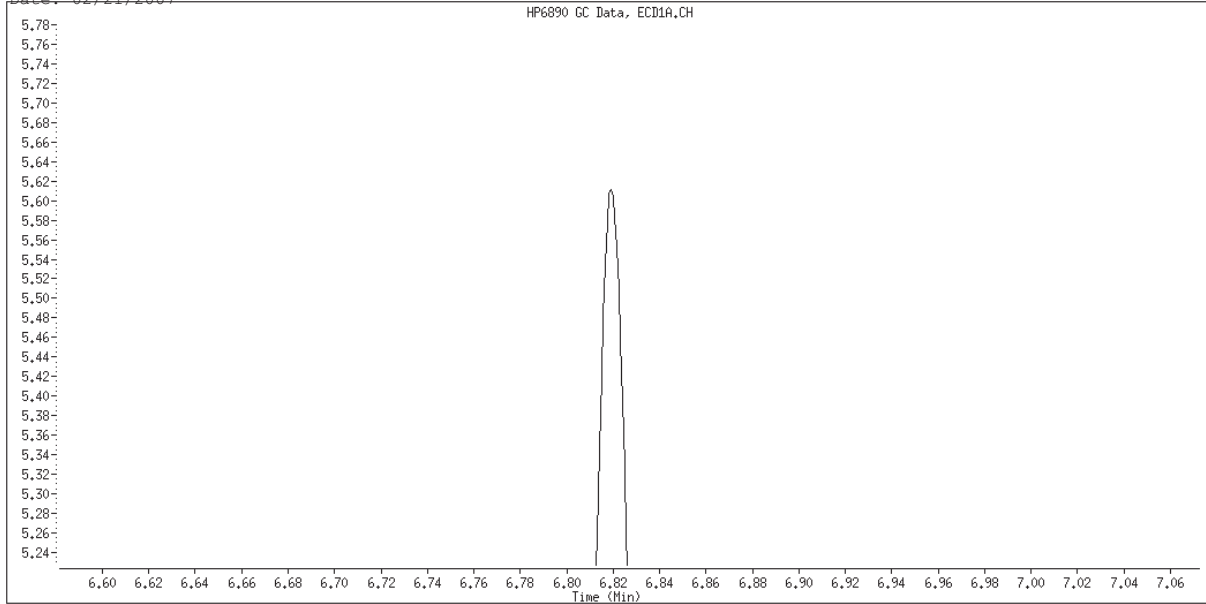
Original Integration



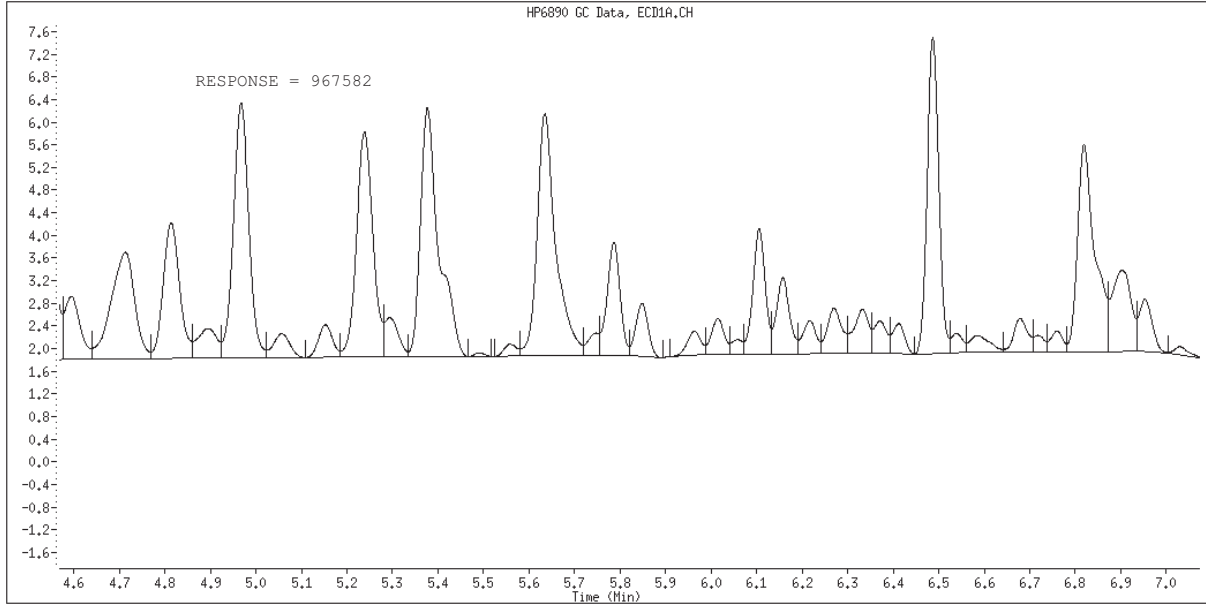
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 013F1301.D
Inj. Date and Time: 20-FEB-2007 22:48
Instrument ID: B3.i
Client ID: SE-389-022007-AH-21
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 02/21/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Report Date: 21-Feb-2007 08:56

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Lab Smp Id: JPQGQ1AA Client Smp ID: SE-389-022007-AH-21
 Inj Date : 20-FEB-2007 22:48
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQGQ1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.130	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.968	3316313	2479370	0.748	31.148	
1.000	908217	403361	0.444	1.602	M 16 Total Pcb
4.535	305177	163606	0.536		6 AROCLOR-1248
6.819	603040	239755	0.398		8 AROCLOR-1260
1.048	121496	151577	1.248	0.602	
1.062	72787	108477	1.490	0.430	
1.174	4403	2664	0.605	0.010	
1.514	8552	8348	0.976	0.033	
1.638	4737	3341	0.705	0.013	
1.668	25770	20355	0.790	0.080	
1.760	3086	2276	0.738	0.009	
2.002	1167114	964902	0.827	3.832	\$ 1 TCMX
2.203	10146	8904	0.878	0.035	
2.232	45428	36287	0.799	0.144	
2.267	19728	16476	0.835	0.065	
2.318	25234	19225	0.762	0.076	
2.373	27713	23903	0.863	0.094	
2.572	64295	41404	0.644	0.164	
2.618	301286	167658	0.556	0.665	
2.711	8253	5966	0.723	0.023	
2.780	247063	155250	0.628	0.616	
2.837	1783740	955062	0.535	3.793	
2.878	222814	146412	0.657	0.581	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Report Date: 21-Feb-2007 08:56

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
=====	=====	=====	=====	=====	=====
2.912	82561	63480	0.769	0.252	
2.963	453076	193486	0.427	0.768	
2.999	494275	321265	0.650	1.276	
3.119	1368410	925298	0.676	3.675	
3.151	989262	550769	0.557	2.187	
3.428	1037564	526156	0.507	2.089	
3.538	473199	223274	0.472	0.886	
3.599	155859	90507	0.581	0.359	
3.647	1229783	681648	0.554	2.707	
3.691	778263	430209	0.553	1.708	
3.743	1568336	995367	0.635	3.953	
3.774	3147415	1529147	0.486	6.073	
3.861	82562	40690	0.493	0.161	
3.967	1546556	738053	0.477	2.931	
4.007	3073092	930389	0.303	3.695	
4.152	78240	33712	0.431	0.133	
4.231	114482	53412	0.467	0.212	
4.299	603436	246808	0.409	0.980	
4.359	868446	378367	0.436	1.502	
4.421	608729	260858	0.429	1.036	
4.593	262756	111168	0.423	0.441	
4.713	682654	188328	0.276	0.748	
4.897	154334	52232	0.338	0.207	
4.967	1065006	451012	0.423	1.791	
5.058	108016	42386	0.392	0.168	
5.153	124714	57454	0.461	0.228	
5.293	144481	69123	0.478	0.274	
5.377	1230365	440890	0.358	1.751	
5.490	10105	6757	0.669	0.026	
5.558	41521	21450	0.517	0.085	
5.747	65929	39253	0.595	0.155	
5.786	402908	199537	0.495	0.792	
5.848	177070	93108	0.526	0.369	
5.963	88379	42268	0.478	0.167	
6.015	124699	63472	0.509	0.252	
6.057	41693	25861	0.620	0.102	
6.106	425882	221167	0.519	0.878	
6.157	272408	134670	0.494	0.534	
6.217	118368	58219	0.492	0.231	
6.270	178839	79465	0.444	0.315	
6.332	180308	78070	0.433	0.310	
6.371	108848	57199	0.525	0.227	
6.412	96875	52716	0.544	0.209	
6.541	59684	34640	0.580	0.137	
6.582	92398	30208	0.327	0.119	
6.679	127239	59746	0.470	0.237	
6.717	47386	29520	0.623	0.117	
6.761	69334	37075	0.535	0.147	
6.902	417073	143494	0.344	0.569	
6.953	184323	92694	0.503	0.368	
7.030	28896	14387	0.498	0.057	
7.123	104910	44338	0.423	0.176	
7.217	279081	92752	0.332	0.368	
7.270	94191	40555	0.431	0.161	
7.344	8801	8419	0.957	0.033	
7.382	86634	41853	0.483	0.166	
7.428	56158	36670	0.653	0.145	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\013F1301.D
 Report Date: 21-Feb-2007 08:56

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.458	111709	67743	0.606	0.269	
7.493	399298	194545	0.487	0.772	
7.559	106237	46798	0.441	0.185	
7.679	144011	42685	0.296	0.169	
7.707	109026	49982	0.458	0.198	
7.778	362955	80812	0.223	0.320	
7.897	114884	29809	0.259	0.118	
8.001	1537360	819171	0.533	3.253	\$ 9 DCB
8.083	66833	27940	0.418	0.110	
8.212	9785	5577	0.570	0.022	
8.293	11236	6104	0.543	0.024	
8.457	7652	4960	0.648	0.019	
8.525	6214	3791	0.610	0.015	
8.602	10771	4906	0.455	0.019	
8.723	10831	5218	0.482	0.020	
8.772	2885	2459	0.852	0.009	
8.782	4532	2928	0.646	0.011	
9.137	2671	1942	0.727	0.007	
9.154	3303	2143	0.649	0.008	
9.328	6619	4265	0.644	0.016	
9.419	2945	1897	0.644	0.007	
9.537	89217	28382	0.318	0.112	
9.609	3316	4754	1.434	0.018	
9.628	18764	7194	0.383	0.028	
9.692	4697	4624	0.984	0.018	
9.707	9658	5932	0.614	0.023	
9.803	91564	18328	0.200	0.072	
9.942	42385	12277	0.290	0.048	
10.069	4861	0	0.000	0.000	
10.312	7277	6686	0.919	0.026	
10.347	22687	8125	0.358	0.032	
10.445	2553	2502	0.980	0.009	
10.555	58663	17978	0.306	0.071	
10.612	7269	8801	1.211	0.034	
10.622	19013	9166	0.482	0.036	
10.805	3738	3276	0.877	0.013	
11.002	19766	7487	0.379	0.029	
11.034	32315	11834	0.366	0.047	
11.121	3967	5753	1.450	0.022	
11.177	127530	27164	0.213	0.107	
11.540	11027	6677	0.606	0.026	
	49497810	25177037		100.000	

Total unknown % height = 91.31

STANDARD DATA

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Start Cal Date: 02-FEB-2007 13:31
 End Cal Date : 02-FEB-2007 20:47
 Last Cal Level: 5
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
02-FEB-2007 19:35	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\027F2701.D
02-FEB-2007 18:08	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\021F2101.D
02-FEB-2007 16:40	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\015F1501.D
02-FEB-2007 15:13	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\009F0901.D
02-FEB-2007 13:31	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
02-FEB-2007 19:49	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\028F2801.D
02-FEB-2007 18:22	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\022F2201.D
02-FEB-2007 16:55	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\016F1601.D
02-FEB-2007 15:27	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\010F1001.D
02-FEB-2007 13:46	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
02-FEB-2007 20:04	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\029F2901.D
02-FEB-2007 18:37	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\023F2301.D
02-FEB-2007 17:09	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\017F1701.D
02-FEB-2007 15:42	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\011F1101.D
02-FEB-2007 14:00	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		
02-FEB-2007 20:18	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\030F3001.D
02-FEB-2007 18:51	3-AR1248	

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\\canpmob1\chem\GCS\B3.i\070202IC-1.b\024F2401.D
02-FEB-2007 17:24 |2-AR1242
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\018F1801.D
02-FEB-2007 15:57 |1-AR1232
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\012F1201.D
02-FEB-2007 14:15 |12-ar1660td
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\005F0501.D
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| Cal Level: 5 , Cal Amount: 2.00000
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02-FEB-2007 20:33 |9-AR2154
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02-FEB-2007 19:06 |3-AR1248
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\025F2501.D
02-FEB-2007 17:38 |2-AR1242
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\019F1901.D
02-FEB-2007 16:11 |1-AR1232
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\013F1301.D
02-FEB-2007 14:30 |12-ar1660td
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\006F0601.D
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| Cal Level: 6 , Cal Amount: 4.00000
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02-FEB-2007 20:47 |9-AR2154
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\032F3201.D
02-FEB-2007 19:20 |3-AR1248
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\026F2601.D
02-FEB-2007 17:53 |2-AR1242
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\020F2001.D
02-FEB-2007 16:26 |1-AR1232
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\014F1401.D
02-FEB-2007 14:44 |12-ar1660td
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\007F0701.D
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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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02-FEB-2007 20:18 |9-AR2154
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02-FEB-2007 18:51 |3-AR1248
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\024F2401.D
02-FEB-2007 17:24 |2-AR1242
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\018F1801.D
02-FEB-2007 15:57 |1-AR1232
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\012F1201.D
02-FEB-2007 14:59 |6-ar1660
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02-FEB-2007 14:15 |12-ar1660td
\\canpmob1\chem\GCS\B3.i\070202IC-1.b\005F0501.D
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Report Date : 07-Feb-2007 08:42

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-FEB-2007 13:31
End Cal Date : 02-FEB-2007 20:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Last Edit : 06-Feb-2007 13:05 target
Curve Type : Average

Calibration File Names:

Level 1: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\027F2701.D
Level 2: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\028F2801.D
Level 3: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\029F2901.D
Level 4: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\030F3001.D
Level 5: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\031F3101.D
Level 6: \\CANSVR11\DD\GCS\B3.i\070202IC-1.b\032F3201.D

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD
2 AROCLOR-1221(1)	311390	310835	317858	308964	308120	305620	310464	1.343
(2)	170410	163290	170166	163036	167677	158084	165444	2.918
(3)	848200	843230	832912	800811	791535	753187	811646	4.519
3 AROCLOR-1016(1)	553740	541140	526778	543129	478095	453566	516075	7.868
(2)	1111160	1112065	1083482	1074645	1053765	999393	1072418	3.930
(3)	2182680	2279095	2320258	2362679	2389880	2303653	2306374	3.150
(4)	838690	985575	989278	964927	969744	936754	947495	5.961
(5)	914890	927825	926474	955311	959659	943181	937890	1.887
4 AROCLOR-1232(1)	583050	635410	630828	507548	556965	542994	576132	8.756
(2)	429970	458240	451590	366456	402662	399581	418083	8.370
(3)	841430	930420	966122	799537	908813	937563	897314	7.095
(4)	336120	359075	412168	337784	379717	379054	367320	7.906
(5)	327830	358890	367312	303478	337385	345651	340091	6.735
5 AROCLOR-1242(1)	419350	428665	412346	401699	400162	392814	409173	3.276
(2)	852330	882990	839780	817270	817462	803741	835595	3.478
(3)	1775760	1847880	1734070	1746637	1805183	1827143	1789445	2.520
(4)	706470	763940	716842	715470	734473	744677	730312	2.952
(5)	699100	748515	730586	730649	747781	767167	737300	3.138
6 AROCLOR-1248(1)	419030	453565	432618	418909	403435	411795	423225	4.183
(2)	735660	747300	740466	716385	725385	747407	735434	1.691
(3)	1173160	1173430	1173098	1168190	1195120	1237847	1186808	2.253
(4)	593350	602200	606268	608790	635443	658251	617384	3.969
(5)	550520	550935	589312	578758	608676	641344	586591	5.968
7 AROCLOR-1254(1)	1816610	1808470	1815916	1806039	1835195	1854294	1822754	1.017
(2)	1979400	2015895	1990756	2018083	2088156	2121276	2035594	2.776
(3)	1423940	1442700	1477722	1496152	1552815	1583046	1496062	4.139
(4)	1409550	1393985	1429610	1428330	1461145	1482686	1434218	2.282
(5)	1981750	2054495	2149226	2185877	2287372	2334520	2165540	6.202

Report Date : 07-Feb-2007 08:42

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-FEB-2007 13:31
End Cal Date : 02-FEB-2007 20:47
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Last Edit : 06-Feb-2007 13:05 target
Curve Type : Average

Compound	0.10000	0.20000	0.50000	1.000	2.000	4.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
8 AROCLOR-1260 (1)	1397510	1396640	1439446	1441168	1467783	1459615	1433694	2.117
(2)	2226930	2286080	2342484	2374932	2412601	2402012	2340840	3.082
(3)	2494940	2552105	2669996	2768518	2868194	2862144	2702650	5.828
(4)	2708100	2856865	3088014	3224480	3354795	3336145	3094733	8.535
(5)	1708420	1671545	1778554	1839120	1925748	1933979	1809561	6.058
M 16 Total Pcb	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 1 TCMX	26866100	27892850	29650160	31077460	32236825	31706633	29905005	7.235
\$ 9 DCB	32927400	33248100	34179760	35025990	35759615	35561083	34450325	3.463

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\002F0201.D
 Report Date: 02-Feb-2007 14:20

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 13:31
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,1
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 14:20 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 13:31 Cal File: 002F0201.D
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 TCMX			CAS #: 877-09-8					
1.990	1.990	0.000	268661	0.01000	0.01000			

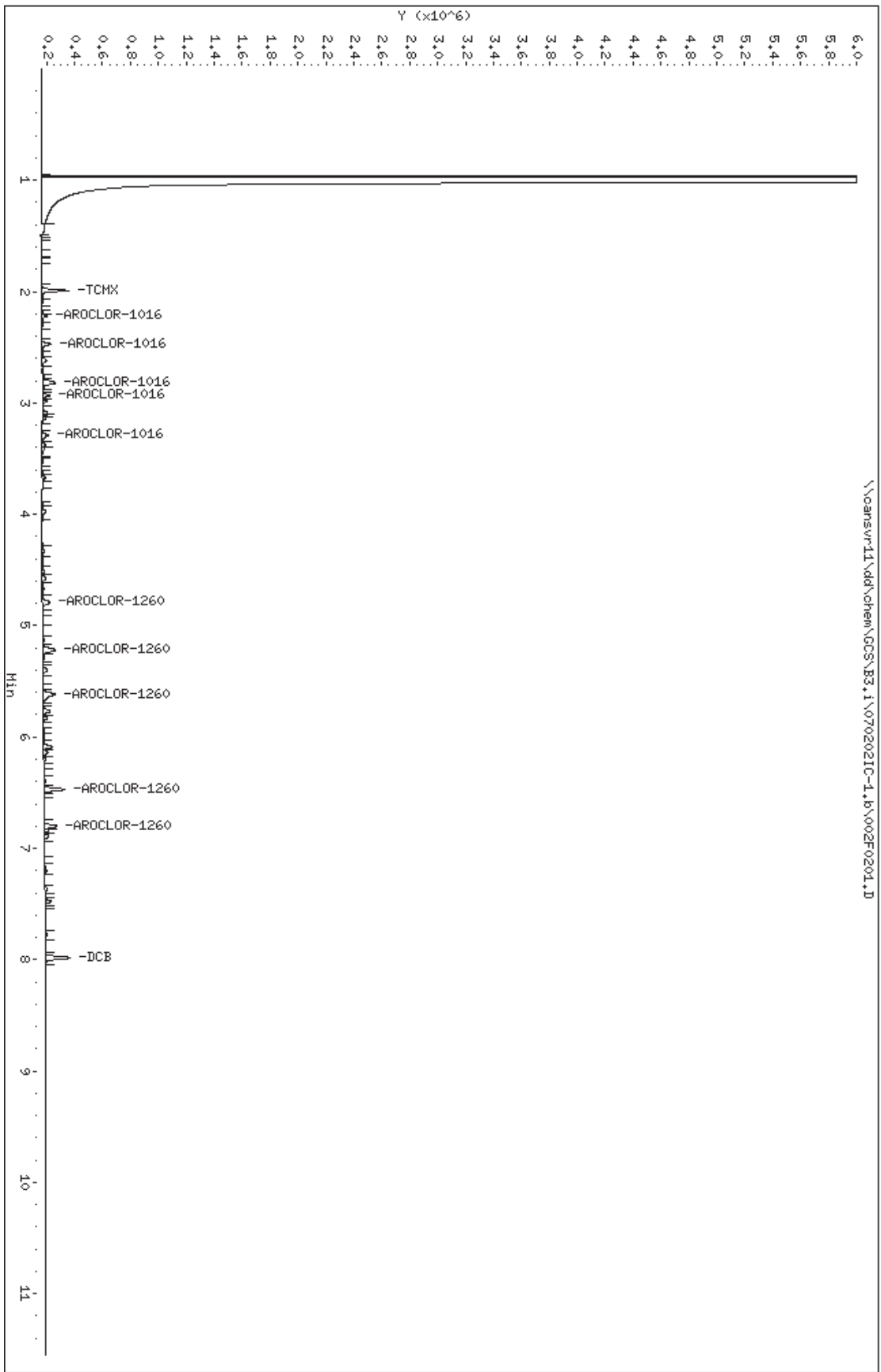
3 AROCLOR-1016			CAS #: 12674-11-2					
2.219	2.219	0.000	55374	0.10000	0.1000	0.00-	0.00	100.00
2.470	2.470	0.000	111116	0.10000	0.1000	0.00-	0.00	200.67
2.822	2.822	0.000	218268	0.10000	0.1000	0.00-	0.00	394.17
2.933	2.933	0.000	83869	0.10000	0.1000	0.00-	0.00	151.46
3.290	3.290	0.000	91489	0.10000	0.1000	0.00-	0.00	165.22
Average of Peak Amounts =				0.10000				

8 AROCLOR-1260			CAS #: 11096-82-5					
4.791	4.791	0.000	139751	0.10000	0.1000	0.00-	0.00	100.00
5.218	5.218	0.000	222693	0.10000	0.1000	0.00-	0.00	159.35
5.617	5.617	0.000	249494	0.10000	0.1000	0.00-	0.00	178.53
6.470	6.470	0.000	270810	0.10000	0.1000	0.00-	0.00	193.78
6.800	6.800	0.000	170842	0.10000	0.1000	0.00-	0.00	122.25
Average of Peak Amounts =				0.10000				

\$ 9 DCB			CAS #: 2051-24-3					
7.984	7.984	0.000	329274	0.01000	0.01000			

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\002F0201.D
Date: 02-FEB-2007 13:31
Client ID:
Sample Info: 1660,1,1
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\003F0301.D
 Report Date: 02-Feb-2007 14:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\003F0301.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 13:46
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,2
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 14:21 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 13:46 Cal File: 003F0301.D
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 TCMX			CAS #: 877-09-8					
1.993	1.993	0.000	557857	0.02000	0.02038			

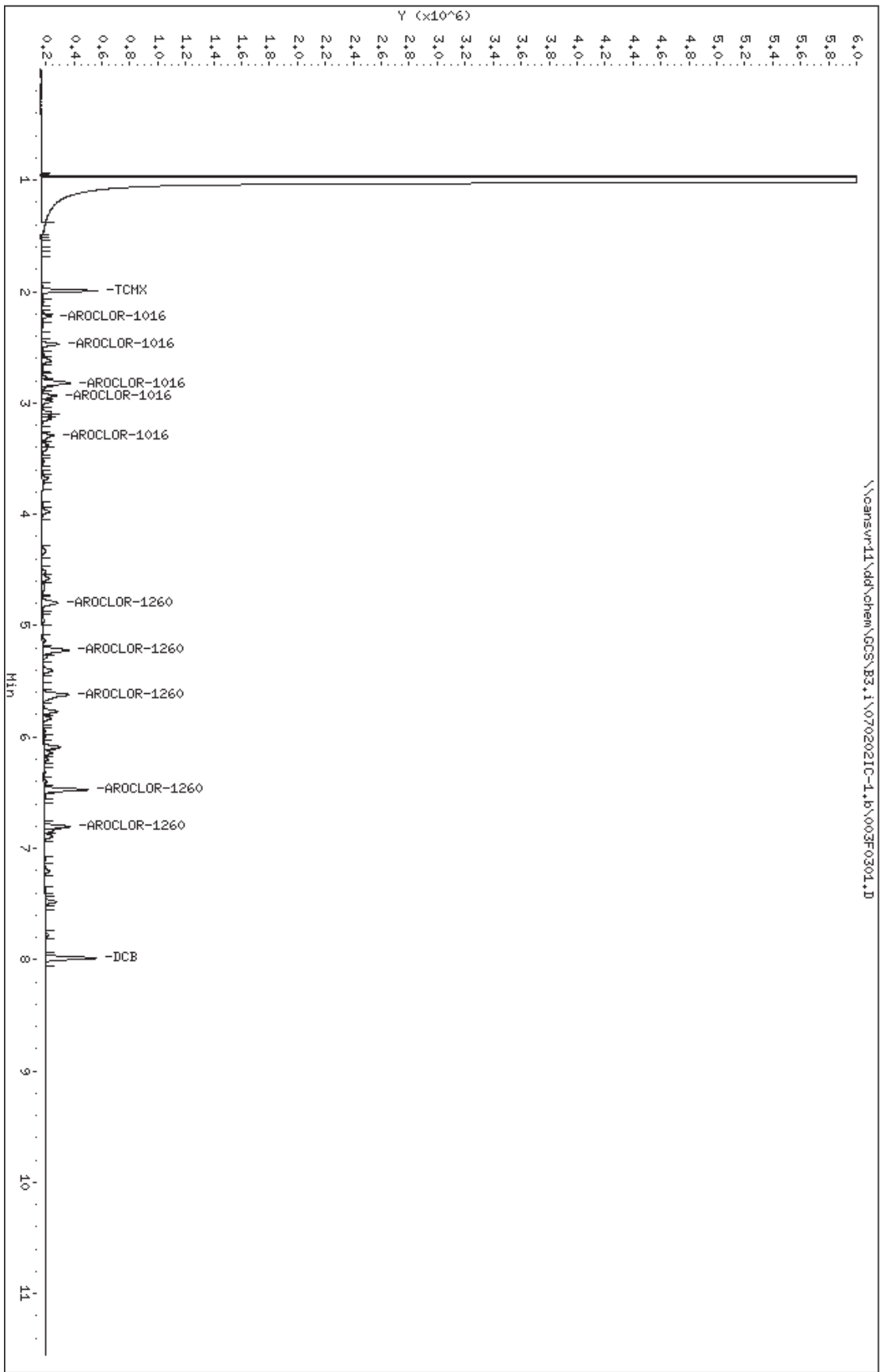
3 AROCLOR-1016			CAS #: 12674-11-2					
2.222	2.222	0.000	108228	0.20000	0.1977	0.00-	0.00	100.00
2.471	2.471	0.000	222413	0.20000	0.2001	0.00-	0.00	205.50
2.824	2.824	0.000	455819	0.20000	0.2043	0.00-	0.00	421.16
2.934	2.934	0.000	197115	0.20000	0.2161	0.00-	0.00	182.13
3.293	3.293	0.000	185565	0.20000	0.2014	0.00-	0.00	171.46
Average of Peak Amounts =				0.20392				

8 AROCLOR-1260			CAS #: 11096-82-5					
4.794	4.794	0.000	279328	0.20000	0.1999	0.00-	0.00	100.00
5.220	5.220	0.000	457216	0.20000	0.2026	0.00-	0.00	163.68
5.620	5.620	0.000	510421	0.20000	0.2023	0.00-	0.00	182.73
6.474	6.474	0.000	571373	0.20000	0.2053	0.00-	0.00	204.55
6.804	6.804	0.000	334309	0.20000	0.1978	0.00-	0.00	119.68
Average of Peak Amounts =				0.20158				

\$ 9 DCB			CAS #: 2051-24-3					
7.987	7.987	0.000	664962	0.02000	0.02010			

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.1\003F0301.D
Date : 02-FEB-2007 13:46
Client ID:
Sample Info: 1660,1,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\004F0401.D
 Report Date: 02-Feb-2007 14:22

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\004F0401.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 14:00
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,3
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 14:21 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 14:00 Cal File: 004F0401.D
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX					CAS #:	877-09-8
1.994	1.994	0.000	1482508	0.05000	0.05269		

3	AROCLOR-1016					CAS #:	12674-11-2
2.223	2.223	0.000	263389	0.50000	0.4872	0.00-	0.00 100.00
2.473	2.473	0.000	541741	0.50000	0.4915	0.00-	0.00 205.68
2.825	2.825	0.000	1160129	0.50000	0.5132	0.00-	0.00 440.46
2.935	2.935	0.000	494639	0.50000	0.5274	0.00-	0.00 187.80
3.295	3.295	0.000	463237	0.50000	0.5018	0.00-	0.00 175.88
	Average of Peak Amounts =				0.50422		

8	AROCLOR-1260					CAS #:	11096-82-5
4.799	4.799	0.000	719723	0.50000	0.5100	0.00-	0.00 100.00 (M)
5.224	5.224	0.000	1171242	0.50000	0.5125	0.00-	0.00 162.74
5.622	5.622	0.000	1334998	0.50000	0.5190	0.00-	0.00 185.49
6.476	6.476	0.000	1544007	0.50000	0.5353	0.00-	0.00 214.53
6.806	6.806	0.000	889277	0.50000	0.5172	0.00-	0.00 123.56
	Average of Peak Amounts =				0.51880		

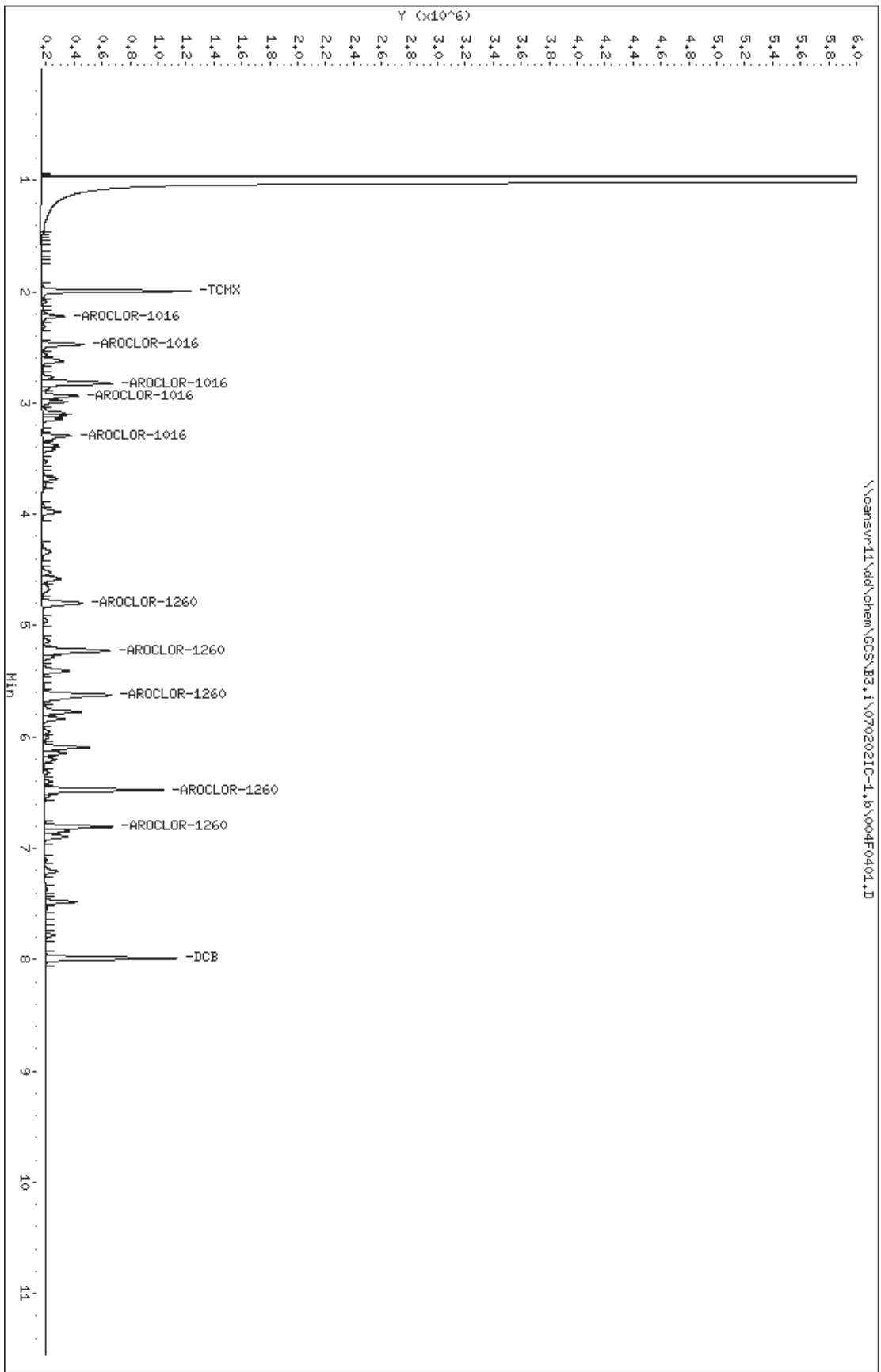
\$ 9	DCB					CAS #:	2051-24-3
7.988	7.988	0.000	1708988	0.05000	0.05109		

QC Flag Legend

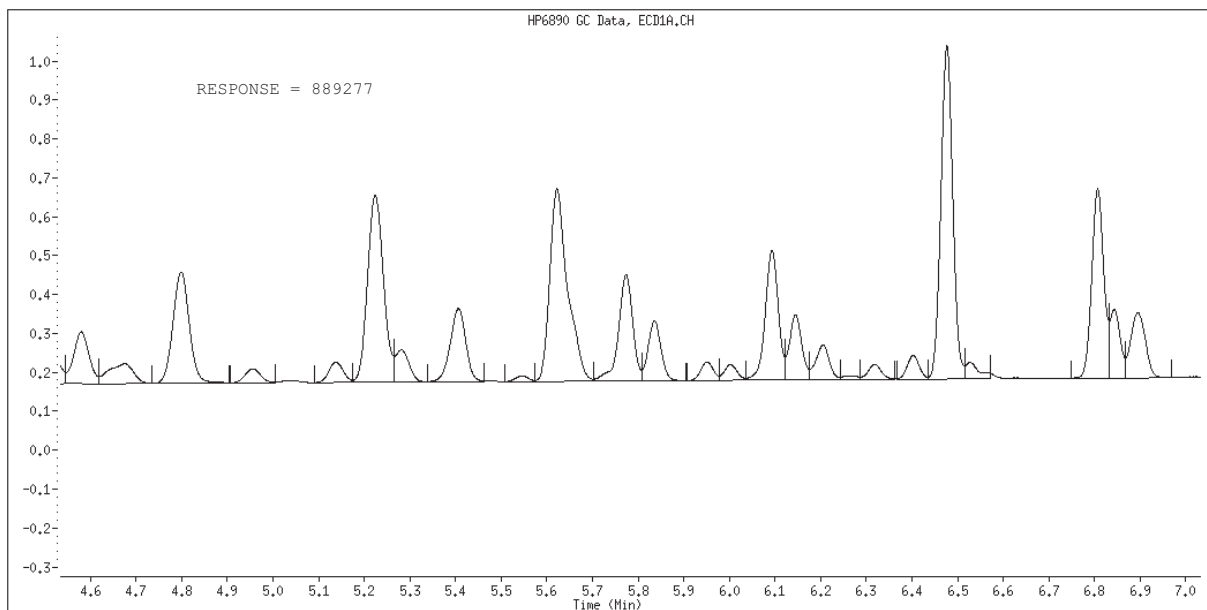
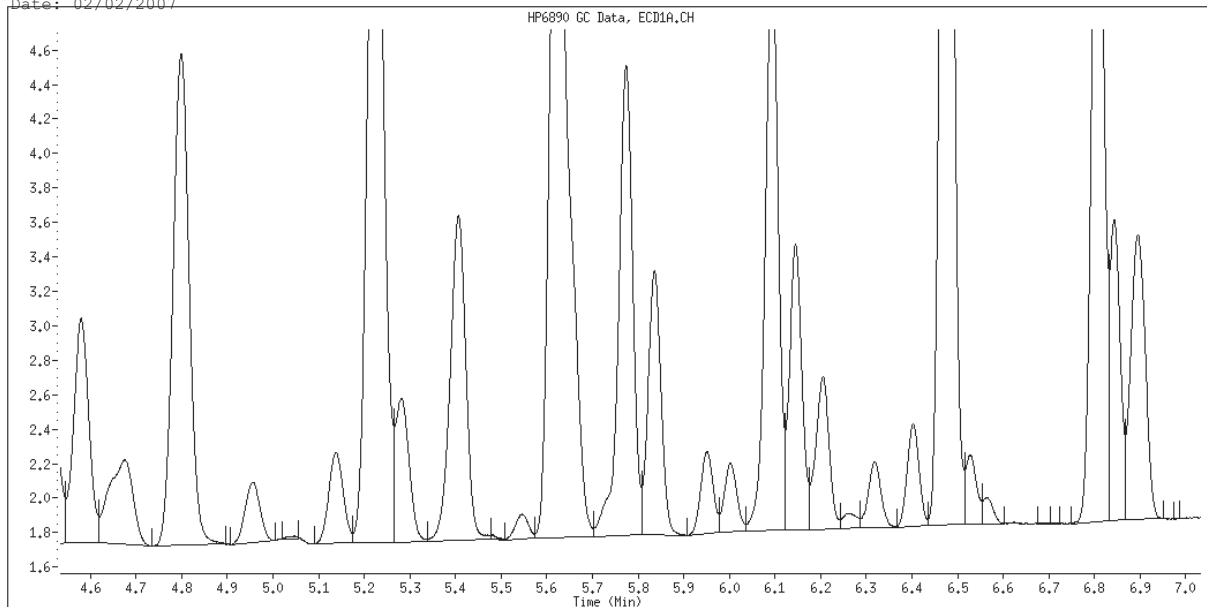
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.6\004F0401.D
Date : 02-FEB-2007 14:00
Client ID:
Sample Info: 1660,1.3
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 004F0401.D
Inj. Date and Time: 02-FEB-2007 14:00
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 02/02/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\005F0501.D
 Report Date: 02-Feb-2007 14:36

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\005F0501.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 14:15
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,4
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 14:36 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 14:15 Cal File: 005F0501.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
1.994	1.994	0.000	3107746	0.10000	0.1076	

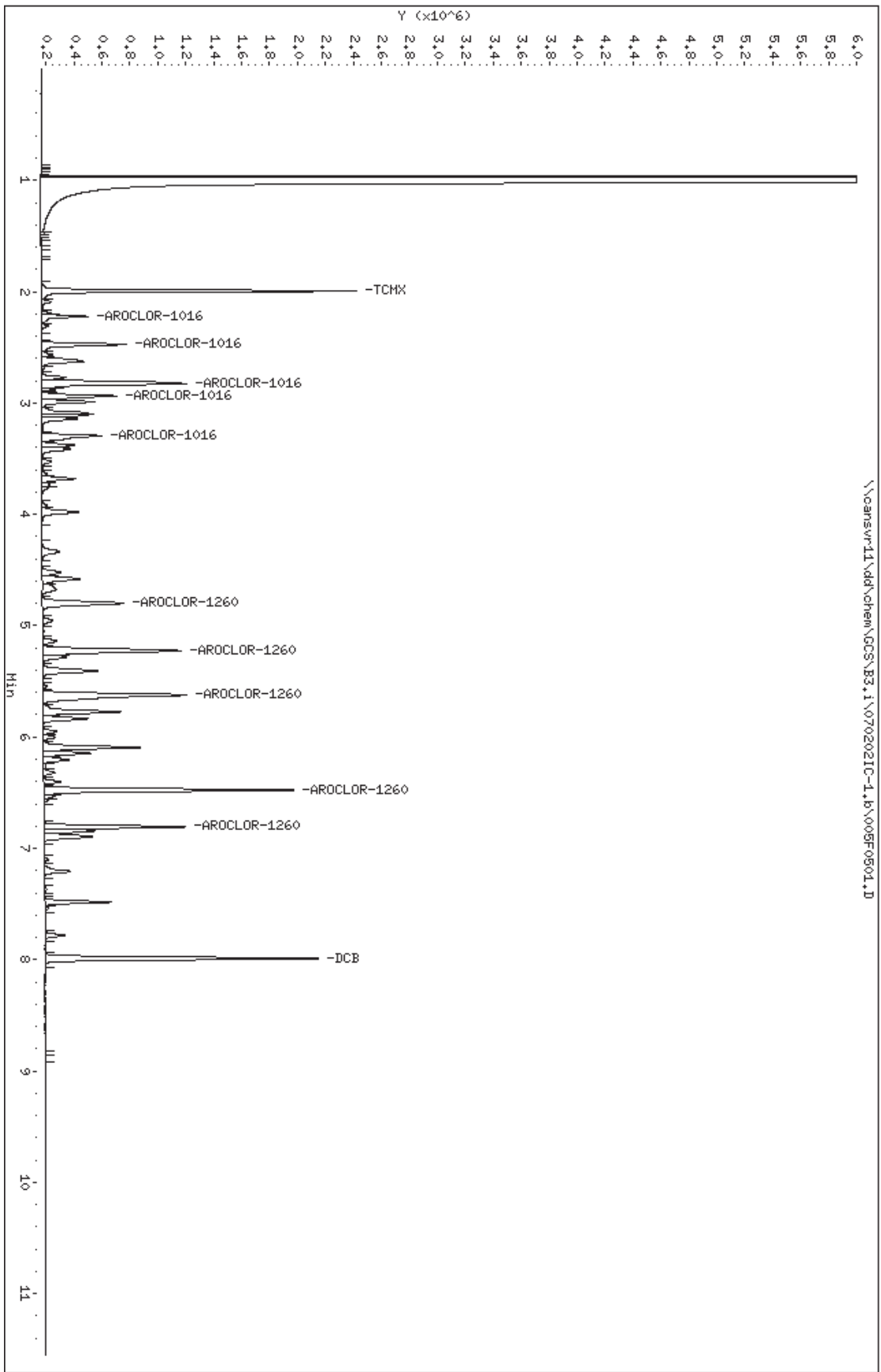
3 AROCLOR-1016 CAS #: 12674-11-2						
2.224	2.224	0.000	543129	1.00000	1.004 80.00- 120.00	100.00
2.474	2.474	0.000	1074645	1.00000	0.9811 148.40- 247.33	197.86
2.826	2.826	0.000	2362679	1.00000	1.033 326.26- 543.77	435.01
2.937	2.937	0.000	964927	1.00000	1.022 133.25- 222.08	177.66
3.295	3.295	0.000	955311	1.00000	1.026 131.92- 219.86	175.89
Average of Peak Amounts =			1.01322			

8 AROCLOR-1260 CAS #: 11096-82-5						
4.799	4.799	0.000	1441168	1.00000	1.016 80.00- 120.00	100.00
5.225	5.225	0.000	2374932	1.00000	1.029 123.59- 205.99	164.79
5.623	5.623	0.000	2768518	1.00000	1.056 144.08- 240.13	192.10
6.477	6.477	0.000	3224480	1.00000	1.086 167.81- 279.68	223.74
6.807	6.807	0.000	1839120	1.00000	1.051 95.71- 159.52	127.61
Average of Peak Amounts =			1.04760			

\$ 9 DCB CAS #: 2051-24-3						
7.989	7.989	0.000	3502599	0.10000	0.1035	

Data File: \\canonvr11\dd\chem\GCS\B3.1\0702021C-1.b\005F0501.D
Date : 02-FEB-2007 14:15
Client ID:
Sample Info: 1660,1,4
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\006F0601.D
 Report Date: 02-Feb-2007 14:44

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\006F0601.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 14:30
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,5
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 14:44 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 14:30 Cal File: 006F0601.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
RESPONSE (ng)						

\$ 1 TCMX				CAS #: 877-09-8		
1.995	1.995	0.000	6447365 0.20000	0.2182		

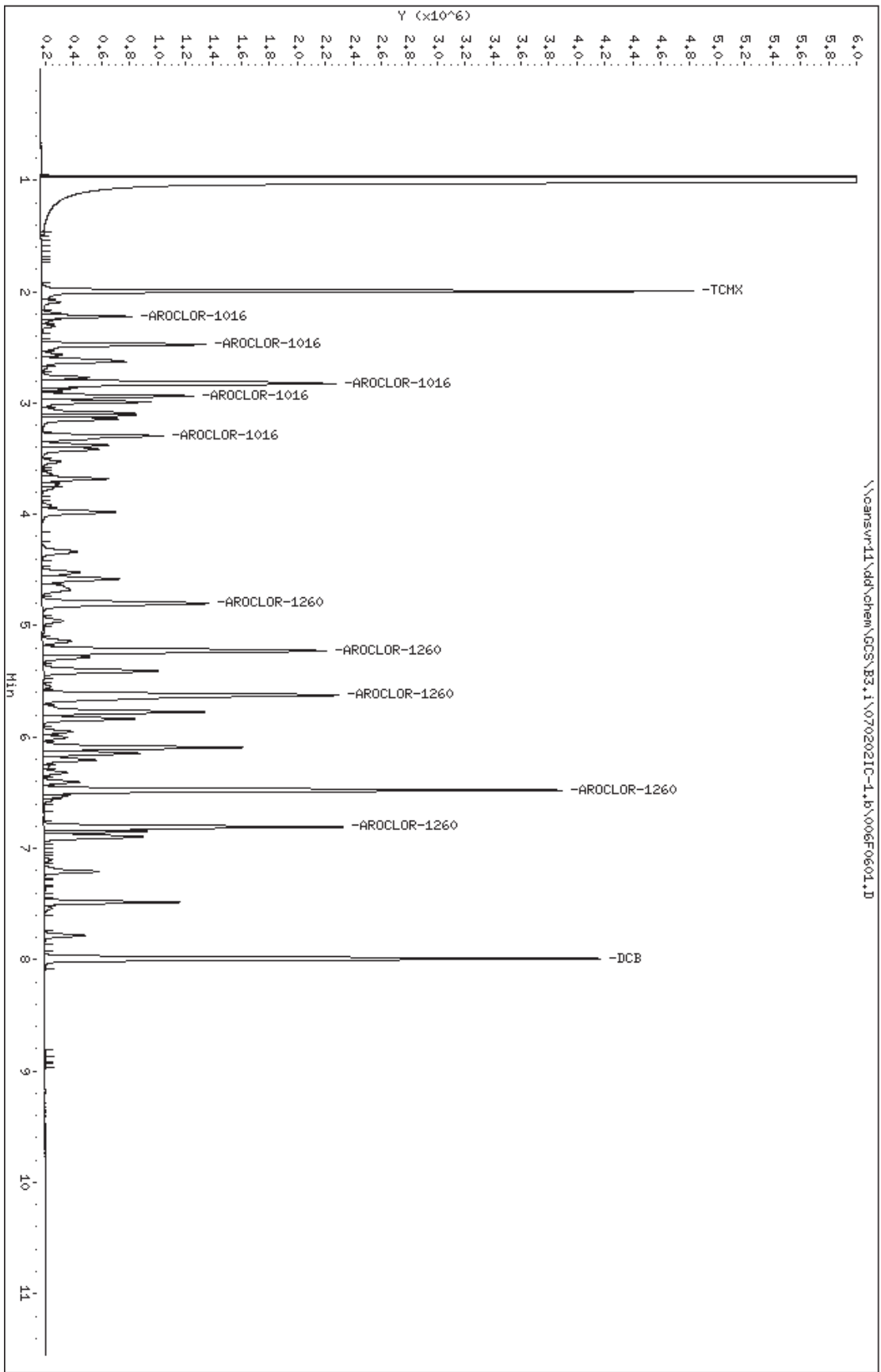
3 AROCLOR-1016						
				CAS #: 12674-11-2		
2.224	2.224	0.000	956190 2.00000	1.809 75.00- 125.00	100.00	
2.474	2.474	0.000	2107530 2.00000	1.939 148.40- 247.33	220.41	
2.827	2.827	0.000	4779760 2.00000	2.072 326.26- 543.77	499.88	
2.937	2.937	0.000	1939487 2.00000	2.042 133.25- 222.08	202.83	
3.296	3.296	0.000	1919318 2.00000	2.049 131.92- 219.86	200.73	
Average of Peak Amounts =			1.98220			

8 AROCLOR-1260						
				CAS #: 11096-82-5		
4.800	4.800	0.000	2935566 2.00000	2.055 75.00- 125.00	100.00	
5.225	5.225	0.000	4825201 2.00000	2.072 123.59- 205.99	164.37	
5.624	5.624	0.000	5736388 2.00000	2.148 144.08- 240.13	195.41	
6.477	6.477	0.000	6709589 2.00000	2.202 167.81- 279.68	228.56	
6.807	6.807	0.000	3851496 2.00000	2.158 95.71- 159.52	131.20	
Average of Peak Amounts =			2.12700			

\$ 9 DCB						
				CAS #: 2051-24-3		
7.990	7.990	0.000	7151923 0.20000	0.2089		

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\006F0601.D
Date: 02-FEB-2007 14:30
Client ID:
Sample Info: 1660,1.5
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\007F0701.D
 Report Date: 02-Feb-2007 15:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\007F0701.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 14:44
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,1,6
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 15:21 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 14:44 Cal File: 007F0701.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
1.996	1.996	0.000	12682653	0.40000	0.4241	

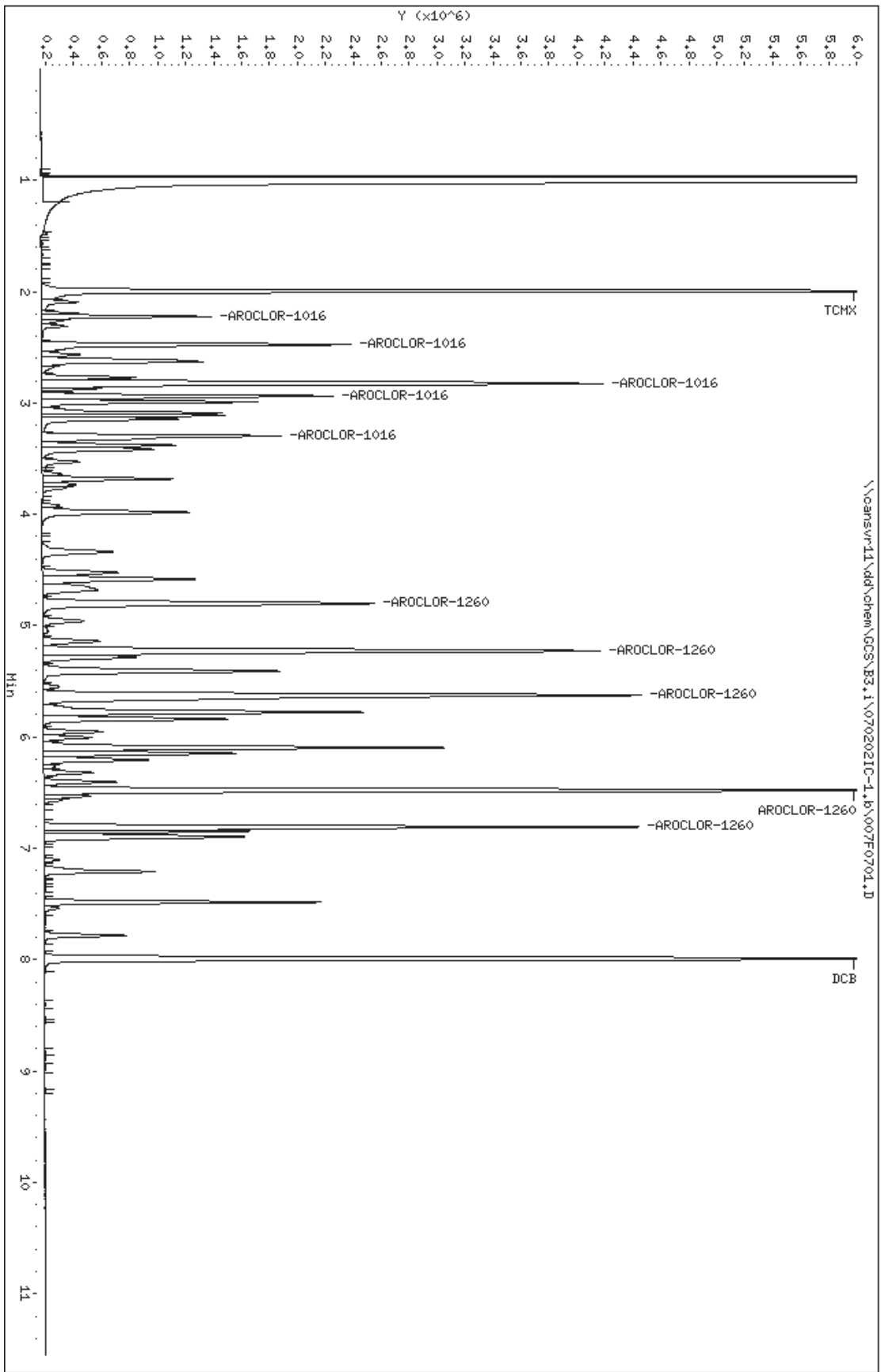
3	AROCLOR-1016				CAS #: 12674-11-2	
2.224	2.224	0.000	1814262	4.00000	3.516 75.00- 125.00	100.00
2.475	2.475	0.000	3997571	4.00000	3.728 148.40- 247.33	220.34
2.827	2.827	0.000	9214613	4.00000	3.995 326.26- 543.77	507.90
2.937	2.937	0.000	3747016	4.00000	3.955 133.25- 222.08	206.53
3.296	3.296	0.000	3772725	4.00000	4.022 131.92- 219.86	207.95
Average of Peak Amounts =			3.84320			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.801	4.801	0.000	5838461	4.00000	4.072 75.00- 125.00	100.00
5.226	5.226	0.000	9608048	4.00000	4.104 123.59- 205.99	164.56
5.625	5.625	0.000	11448577	4.00000	4.236 144.08- 240.13	196.09
6.478	6.478	0.000	13344579	4.00000	4.312 167.81- 279.68	228.56
6.807	6.807	0.000	7735914	4.00000	4.275 95.71- 159.52	132.50
Average of Peak Amounts =			4.19980			

\$ 9	DCB				CAS #: 2051-24-3	
7.989	7.989	0.000	14224433	0.40000	0.4129	

Data File: \\canonvr11\dd\chem\GCS\B3.1\070202IC-1.6\0070701.D
Date: 02-FEB-2007 14:44
Client ID:
Sample Info: 1660,1.6
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\008F0801.D
 Report Date: 02-Feb-2007 15:22

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B3.i Injection Date: 02-FEB-2007 14:59
 Lab File ID: 008F0801.D Init. Cal. Date(s): 02-FEB-2007 02-FEB-2007
 Analysis Type: Init. Cal. Times: 13:31 14:44
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
3 AROCLOR-1016 (1)	516075	487086	0.010	5.61713	15.00000		Averaged
(2)	1072418	1052657	0.010	1.84269	15.00000		Averaged
(3)	2306374	2303038	0.010	0.14465	15.00000		Averaged
(4)	947495	936578	0.010	1.15215	15.00000		Averaged
(5)	937890	915754	0.010	2.36020	15.00000		Averaged
8 AROCLOR-1260 (1)	1433694	1445578	0.010	-0.82893	15.00000		Averaged
(2)	2340840	2356860	0.010	-0.68438	15.00000		Averaged
(3)	2702650	2731956	0.010	-1.08436	15.00000		Averaged
(4)	3094733	3219366	0.010	-4.02726	15.00000		Averaged
(5)	1809561	1849746	0.010	-2.22071	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\008F0801.D
 Report Date: 02-Feb-2007 15:22

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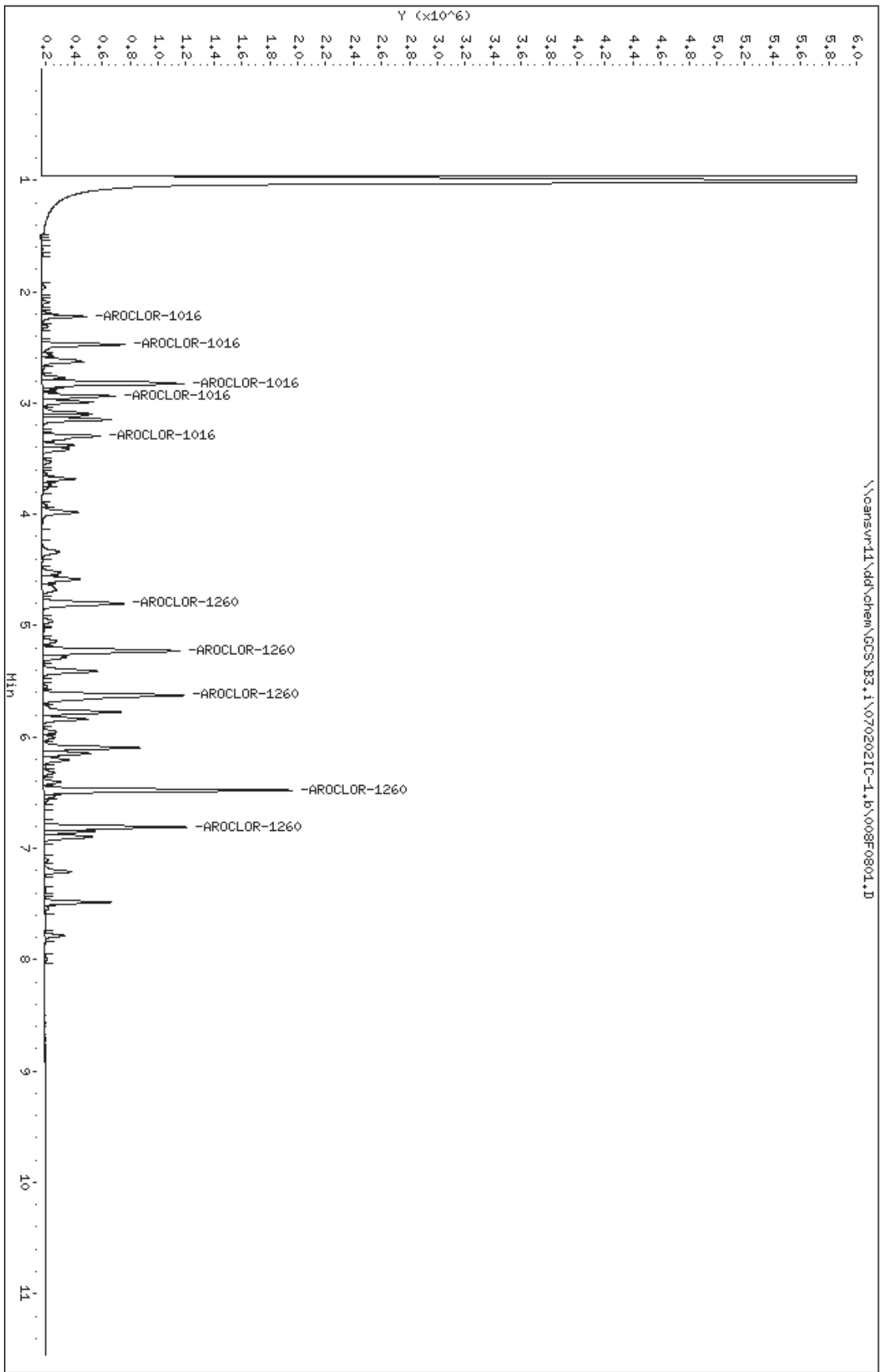
Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\008F0801.D
 Lab Smp Id: 1660
 Inj Date : 02-FEB-2007 14:59
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,2
 Misc Info : 6-ar1660.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 02-Feb-2007 15:22 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 14:44 Cal File: 007F0701.D
 Als bottle: 8 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 6-ar1660.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	
3 AROCLOR-1016			CAS #: 12674-11-2					
2.225	2.225	0.000	487086 1.00000	0.9438	80.00- 120.00	100.00		
2.475	2.475	0.000	1052657 1.00000	0.9816	162.08- 270.14	216.11		
2.827	2.827	0.000	2303038 1.00000	0.9986	354.61- 591.02	472.82		
2.938	2.938	0.000	936578 1.00000	0.9885	144.21- 240.35	192.28		
3.296	3.296	0.000	915754 1.00000	0.9764	141.00- 235.01	188.01		
Average of Peak Amounts =			0.97778					

8 AROCLOR-1260			CAS #: 11096-82-5					
4.801	4.801	0.000	1445578 1.00000	1.008	80.00- 120.00	100.00		
5.226	5.226	0.000	2356860 1.00000	1.007	122.28- 203.80	163.04		
5.626	5.626	0.000	2731956 1.00000	1.011	141.74- 236.23	188.99		
6.478	6.478	0.000	3219366 1.00000	1.040	167.03- 278.38	222.70		
6.808	6.808	0.000	1849746 1.00000	1.022	95.97- 159.95	127.96		
Average of Peak Amounts =			1.01760					

Data File: \\canonvr11\dd\chem\GCS\B3.1\0702021C-1.b\008F0801.D
Date : 02-FEB-2007 14:59
Client ID:
Sample Info: 1660,,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\009F0901.D
Report Date: 02-Feb-2007 16:34

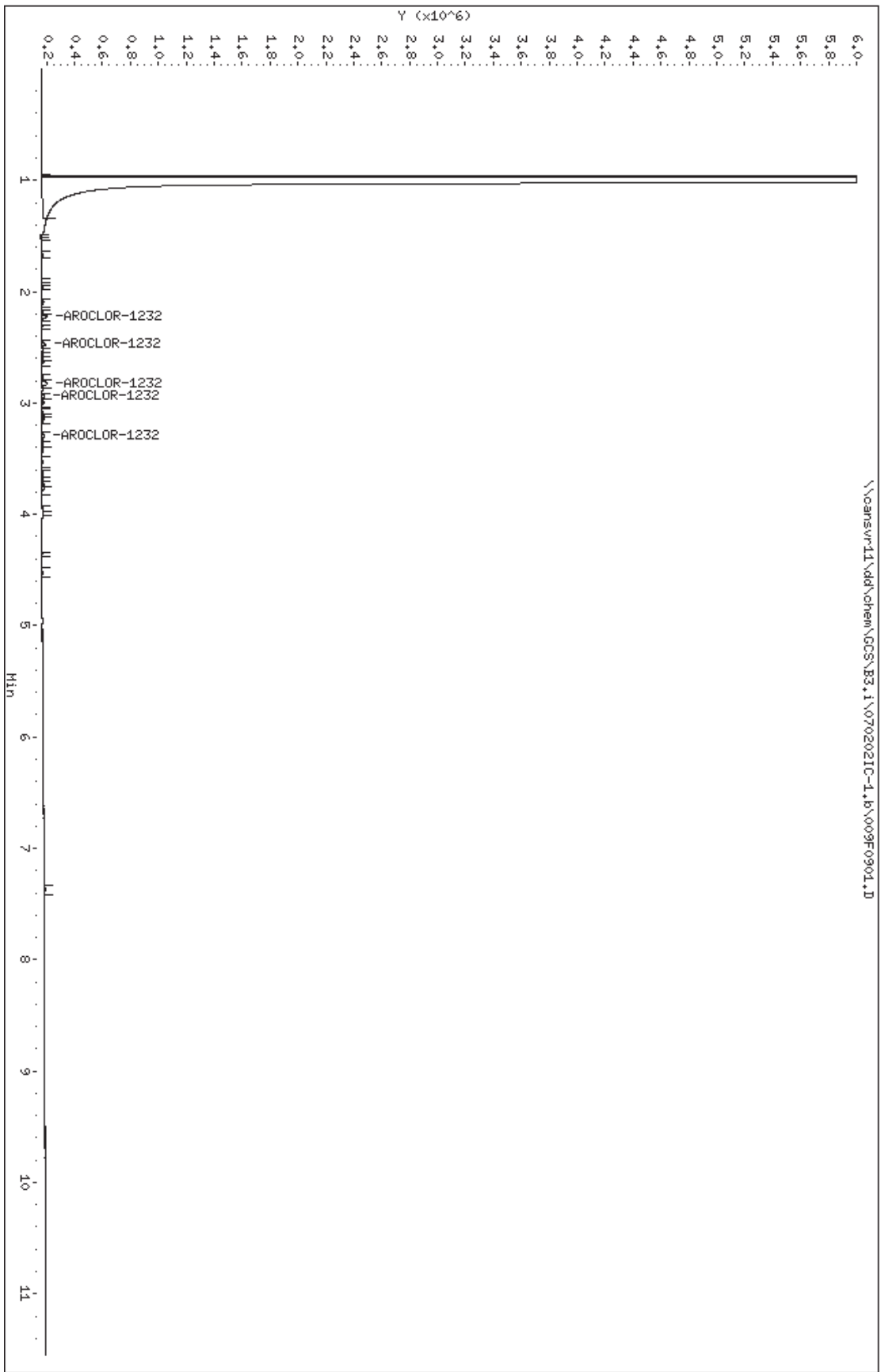
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Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\009F0901.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 15:13
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,1
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:34 target Quant Type: ESTD
Cal Date : 02-FEB-2007 15:13 Cal File: 009F0901.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.225	2.225	0.000	58305	0.10000	0.1000	0.00- 0.00	100.00	
2.475	2.475	0.000	42997	0.10000	0.1000	0.00- 0.00	73.74	
2.827	2.827	0.000	84143	0.10000	0.1000	0.00- 0.00	144.31	
2.939	2.939	0.000	33612	0.10000	0.1000	0.00- 0.00	57.65	
3.297	3.297	0.000	32783	0.10000	0.1000	0.00- 0.00	56.23	
Average of Peak Amounts =			0.10000					

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\009F0901.D
Date : 02-FEB-2007 15:13
Client ID:
Sample Info: 1232,1,1
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\010F1001.D
Report Date: 02-Feb-2007 16:35

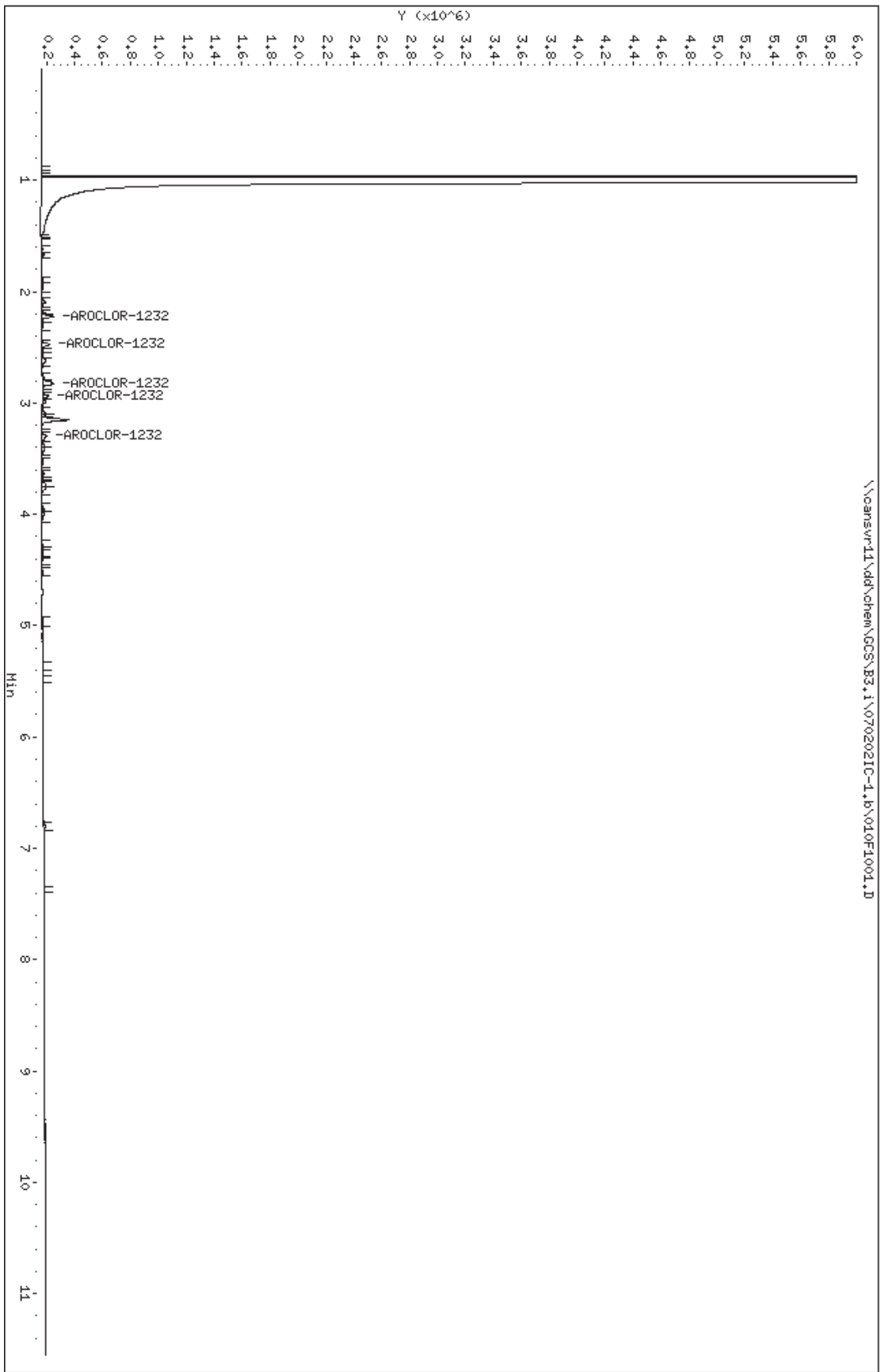
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\010F1001.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 15:27
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,2
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:35 target Quant Type: ESTD
Cal Date : 02-FEB-2007 15:27 Cal File: 010F1001.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.224	2.224	0.000	127082	0.20000	0.2086	0.00- 0.00	100.00	
2.474	2.474	0.000	91648	0.20000	0.2064	0.00- 0.00	72.12	
2.827	2.827	0.000	186084	0.20000	0.2100	0.00- 0.00	146.43	
2.937	2.937	0.000	71815	0.20000	0.2066	0.00- 0.00	56.51	
3.296	3.296	0.000	71778	0.20000	0.2090	0.00- 0.00	56.48	
Average of Peak Amounts =				0.20812				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.6\010F1001.D
Date : 02-FEB-2007 15:27
Client ID:
Sample Info: 1232,1,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\011F1101.D
Report Date: 02-Feb-2007 16:35

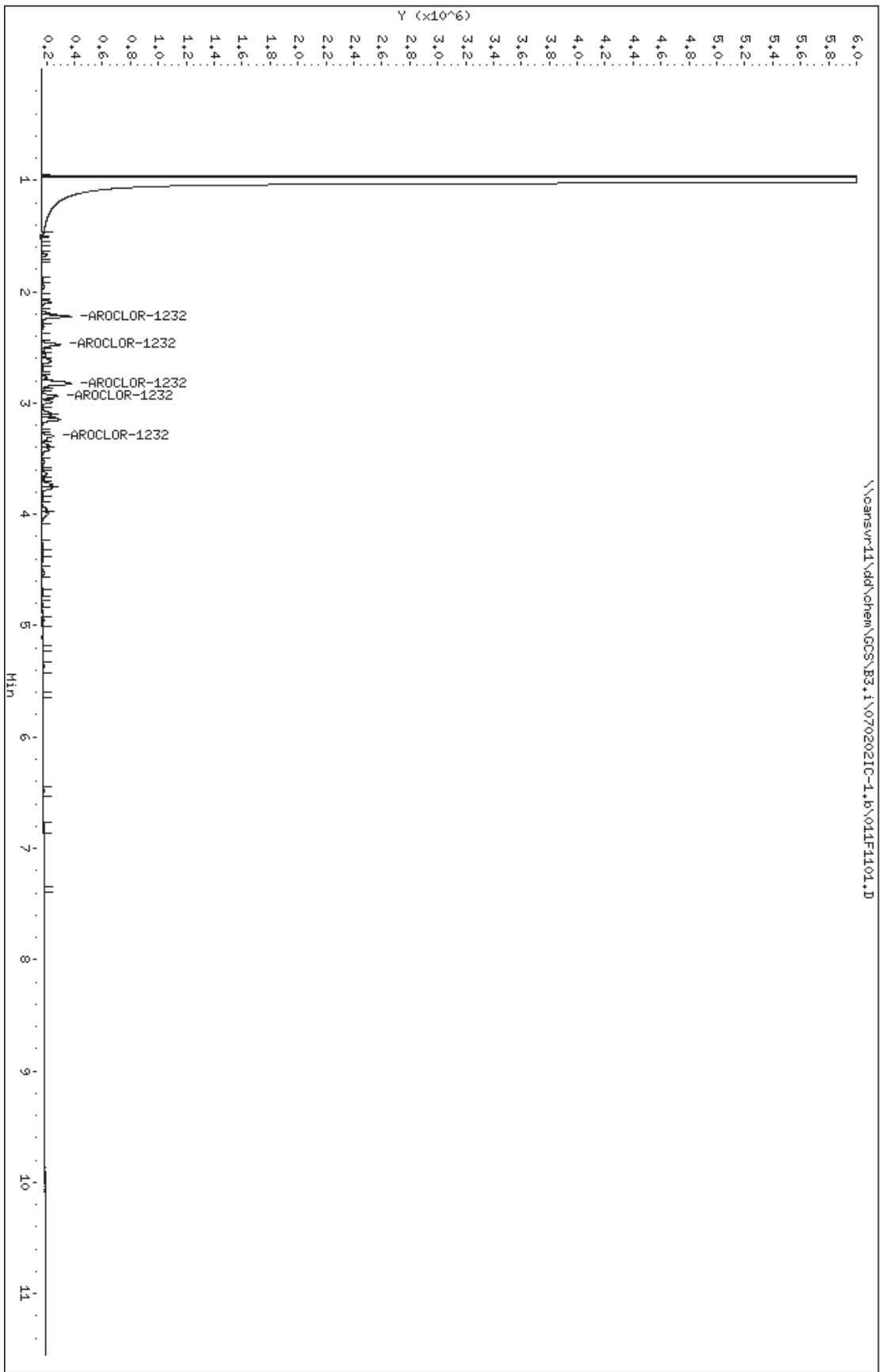
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\011F1101.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 15:42
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,3
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:35 target Quant Type: ESTD
Cal Date : 02-FEB-2007 15:42 Cal File: 011F1101.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.224	2.224	0.000	315414	0.50000	0.5117	0.00- 0.00	100.00	
2.475	2.475	0.000	225795	0.50000	0.5056	0.00- 0.00	71.59	
2.827	2.827	0.000	483061	0.50000	0.5293	0.00- 0.00	153.15	
2.937	2.937	0.000	206084	0.50000	0.5583	0.00- 0.00	65.34	
3.295	3.295	0.000	183656	0.50000	0.5227	0.00- 0.00	58.23	
Average of Peak Amounts =				0.52552				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\011F1101.D
Date : 02-FEB-2007 15:42
Client ID:
Sample Info: 1232,1,3
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\012F1201.D
Report Date: 02-Feb-2007 16:36

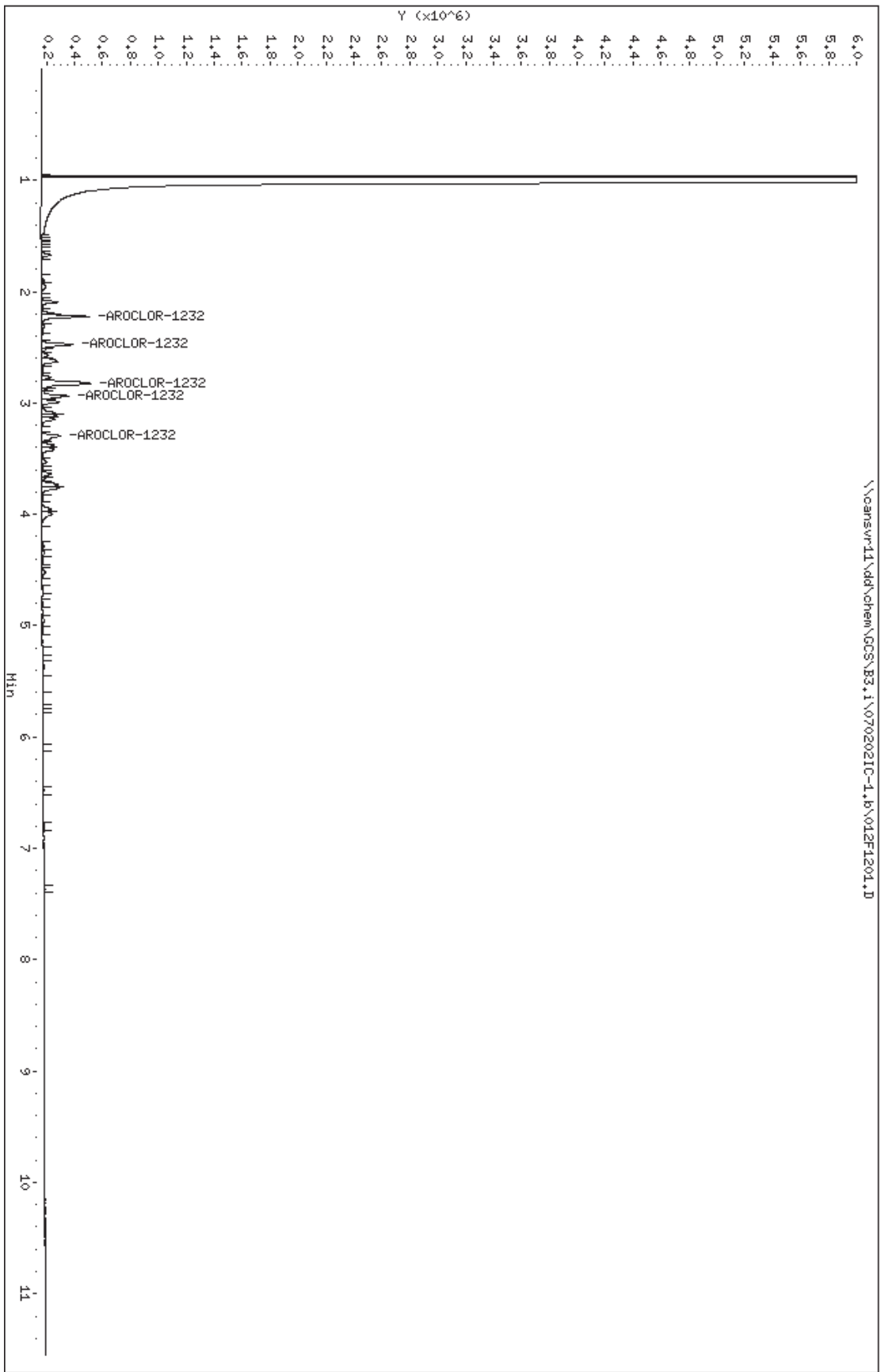
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\012F1201.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 15:57
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,4
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:36 target Quant Type: ESTD
Cal Date : 02-FEB-2007 15:57 Cal File: 012F1201.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
4 AROCLOR-1232			CAS #: 11141-16-5				
2.224	2.224	0.000	507548 1.00000	0.8614	80.00- 120.00	100.00	
2.474	2.474	0.000	366456 1.00000	0.8591	54.15- 90.25	72.20	
2.827	2.827	0.000	799537 1.00000	0.9041	118.15- 196.91	157.53	
2.937	2.937	0.000	337784 1.00000	0.9349	49.91- 83.19	66.55	
3.296	3.296	0.000	303478 1.00000	0.8942	44.84- 74.74	59.79	
Average of Peak Amounts =			0.89074				

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\012F1201.D
Date : 02-FEB-2007 15:57
Client ID:
Sample Info: 1232,1,4
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\013F1301.D
Report Date: 02-Feb-2007 16:36

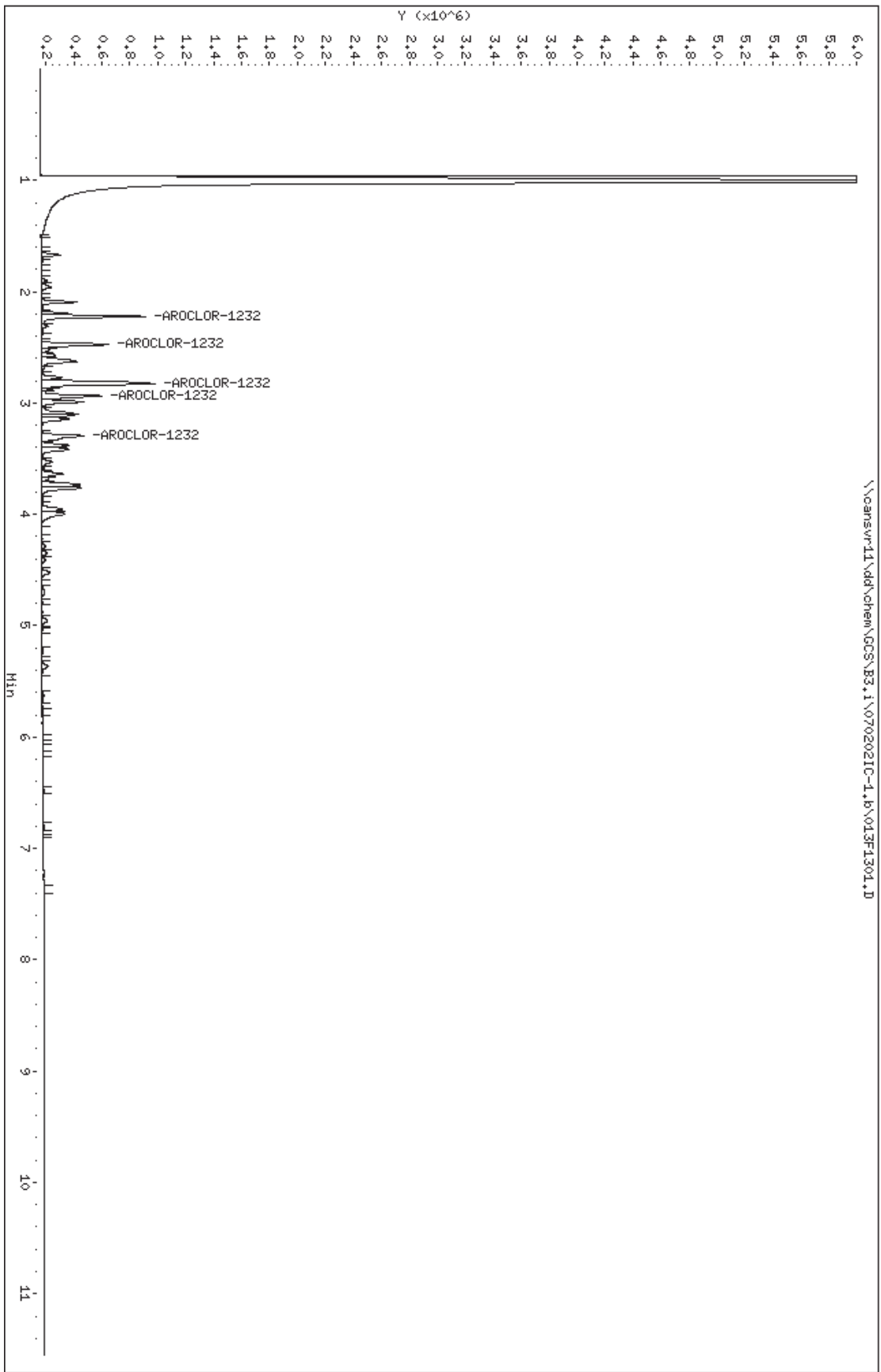
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\013F1301.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 16:11
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,5
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:36 target Quant Type: ESTD
Cal Date : 02-FEB-2007 16:11 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.223	2.223	0.000	1113930	2.00000	1.911	75.00- 125.00	100.00	
2.474	2.474	0.000	805323	2.00000	1.909	54.15- 90.25	72.30	
2.827	2.827	0.000	1817626	2.00000	2.044	118.15- 196.91	163.17	
2.937	2.937	0.000	759433	2.00000	2.081	49.91- 83.19	68.18	
3.296	3.296	0.000	674770	2.00000	1.990	44.84- 74.74	60.58	
Average of Peak Amounts =				1.98700				

Data File: \\canonvr11\dd\chem\GCS\B3.1\0702021C-1.6\013F1301.D
Date : 02-FEB-2007 16:11
Client ID:
Sample Info: 1232,1,5
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\014F1401.D
Report Date: 02-Feb-2007 16:41

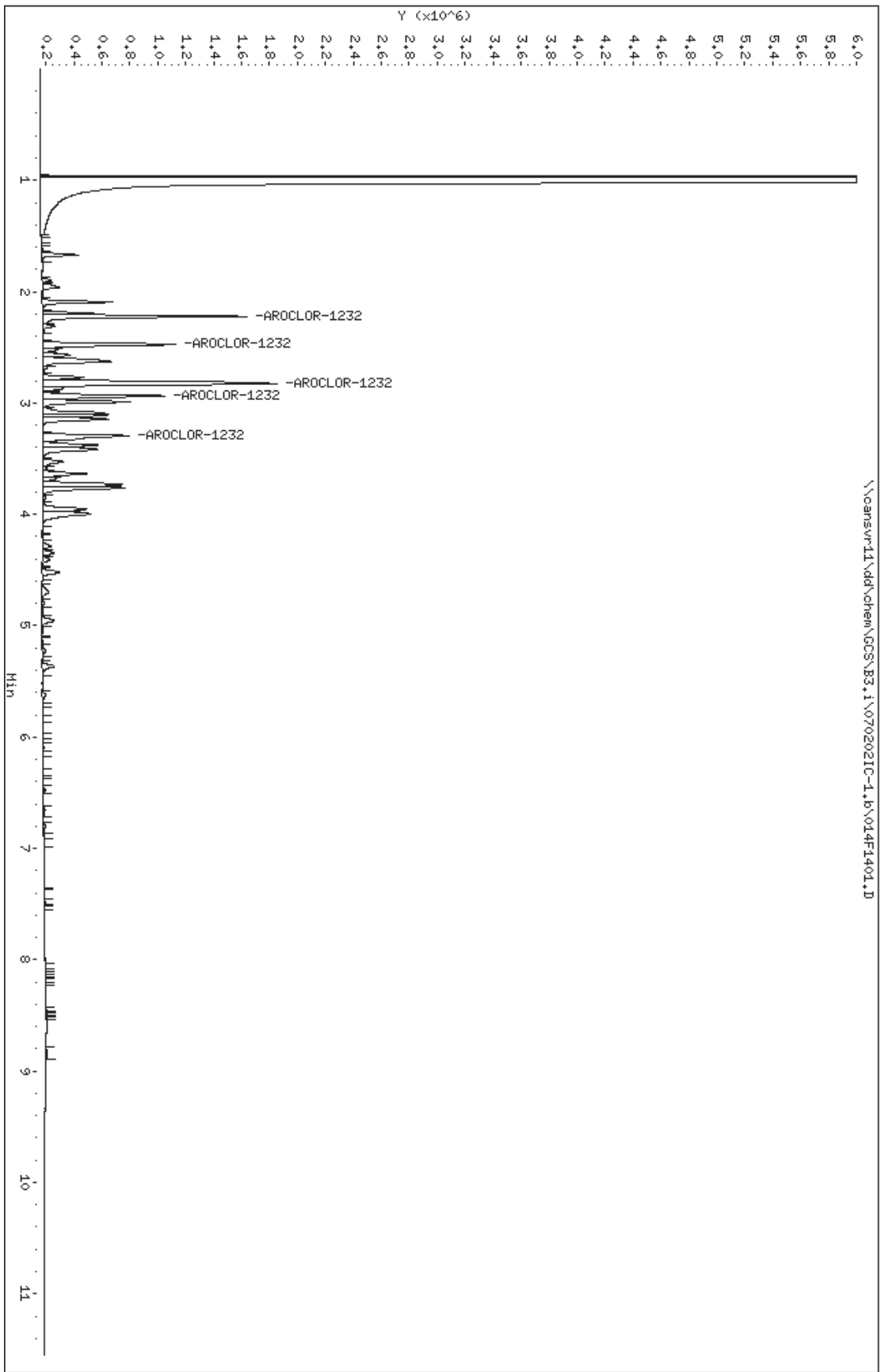
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\014F1401.D
Lab Smp Id: 1232
Inj Date : 02-FEB-2007 16:26
Operator : 402338 Inst ID: B3.i
Smp Info : 1232,,1,6
Misc Info : 1-AR1232.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 02-Feb-2007 16:41 target Quant Type: ESTD
Cal Date : 02-FEB-2007 16:26 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1232.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.223	2.223	0.000	2171974	4.00000	3.770	75.00- 125.00	100.00	
2.474	2.474	0.000	1598322	4.00000	3.823	54.15- 90.25	73.59	
2.827	2.827	0.000	3750253	4.00000	4.179	118.15- 196.91	172.67	
2.937	2.937	0.000	1516217	4.00000	4.128	49.91- 83.19	69.81	
3.296	3.296	0.000	1382602	4.00000	4.065	44.84- 74.74	63.66	
Average of Peak Amounts =				3.99300				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.6\014F1401.D
Date : 02-FEB-2007 16:26
Client ID:
Sample Info: 1232,1.6
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\015F1501.D
Report Date: 03-Feb-2007 09:28

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\015F1501.D
Lab Smp Id: 1242
Inj Date : 02-FEB-2007 16:40
Operator : 402338 Inst ID: B3.i
Smp Info : 1242,,1,1
Misc Info : 2-AR1242.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
Cal Date : 02-FEB-2007 16:40 Cal File: 015F1501.D
Als bottle: 15 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1242.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

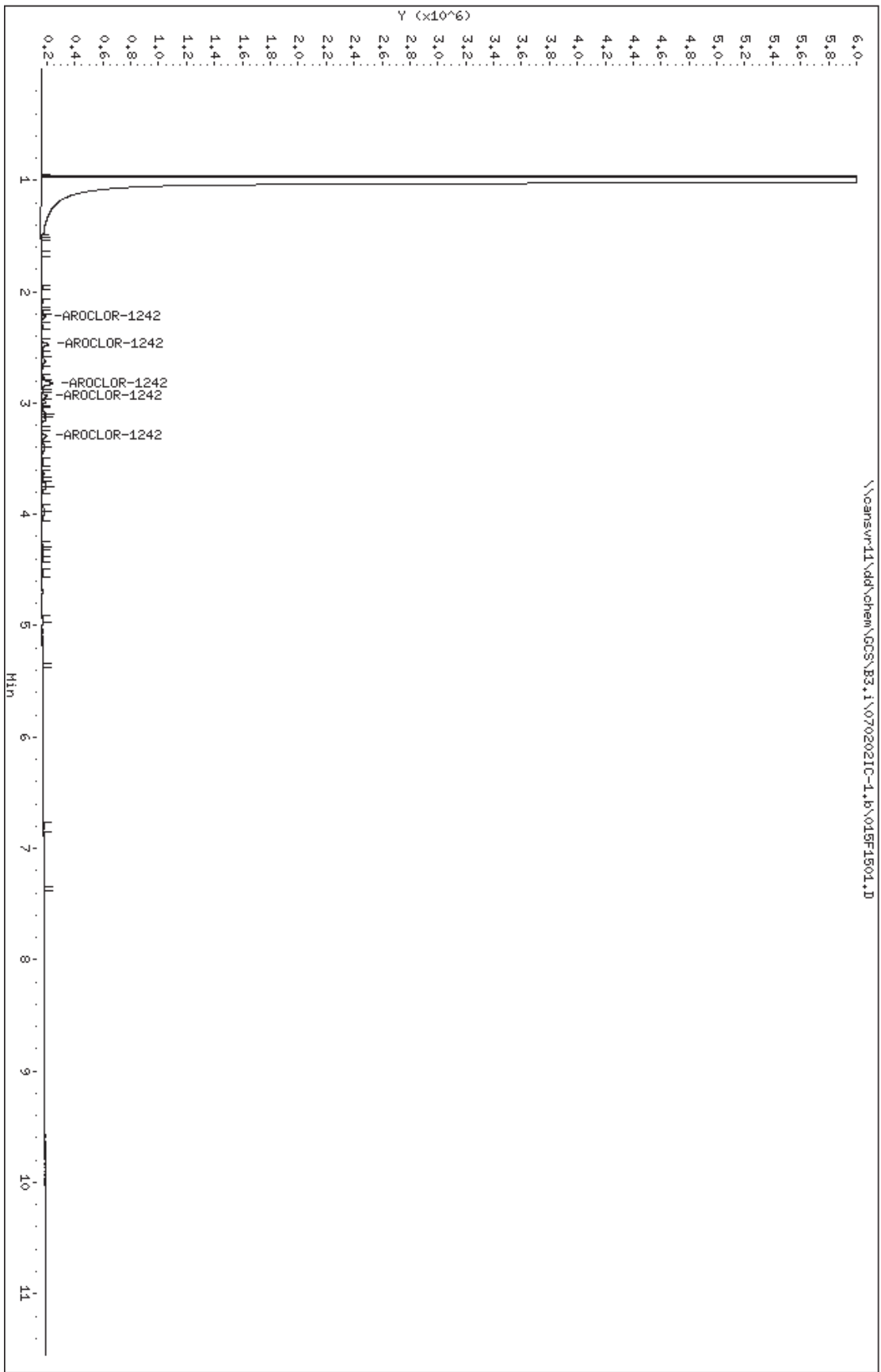
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.223	2.223	0.000	41935 0.10000	0.1025	75.00- 125.00	100.00 (M)	
2.474	2.474	0.000	85233 0.10000	0.1021	152.59- 254.32	203.25	
2.825	2.825	0.000	177576 0.10000	0.1006	326.11- 543.52	423.46	
2.936	2.936	0.000	70647 0.10000	0.09906	133.58- 222.64	168.47	
3.296	3.296	0.000	69910 0.10000	0.09470	136.42- 227.36	166.71	
Average of Peak Amounts =				0.09979			

QC Flag Legend

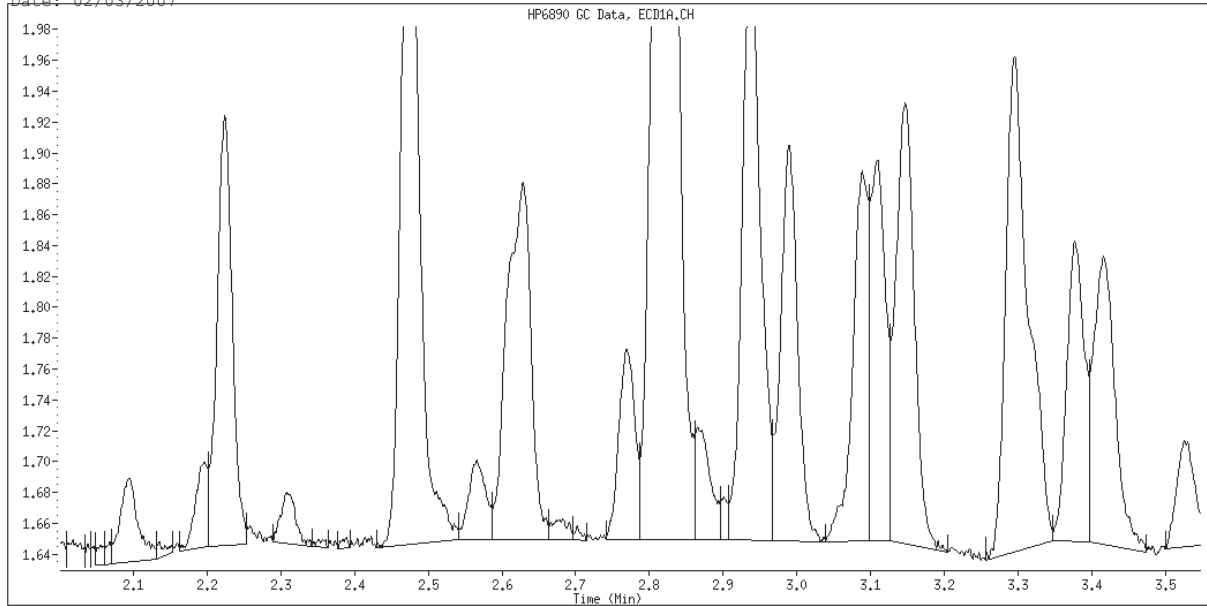
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\01SF1501.D
Date : 02-FEB-2007 16:40
Client ID:
Sample Info: 1242,1,1
Column phase: restek pest c1p1

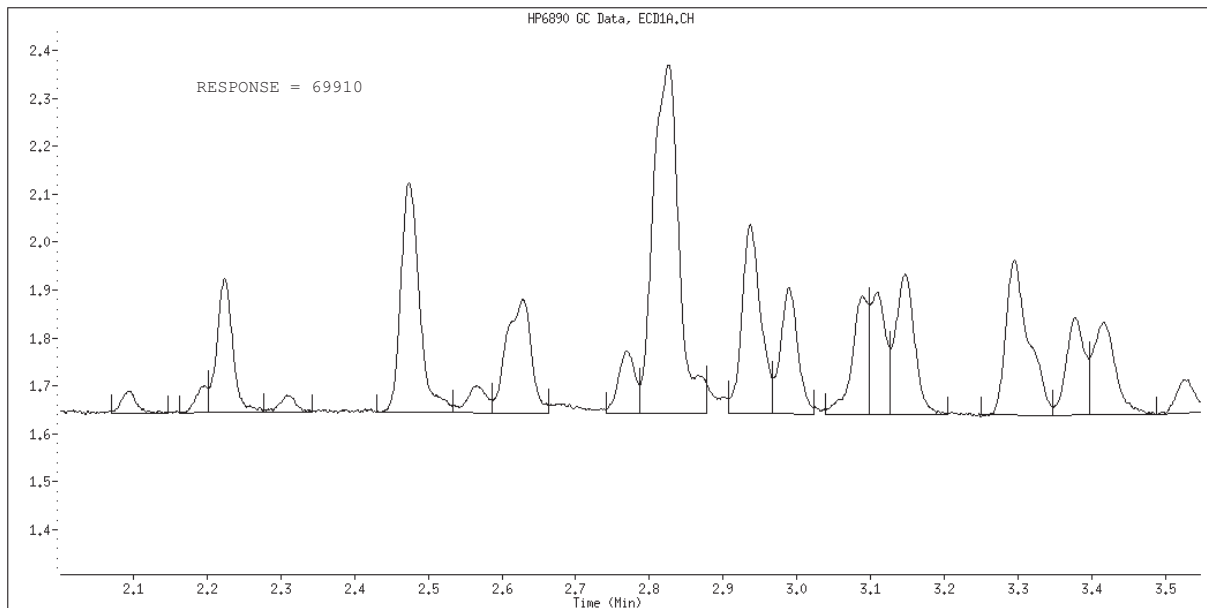
Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 015F1501.D
Inj. Date and Time: 02-FEB-2007 16:40
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1242
CAS #: 53469-21-9
Report Date: 02/03/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\016F1601.D
 Report Date: 03-Feb-2007 09:28

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\016F1601.D
 Lab Smp Id: 1242
 Inj Date : 02-FEB-2007 16:55
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1242,,1,2
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 16:55 Cal File: 016F1601.D
 Als bottle: 16 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-AR1242.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

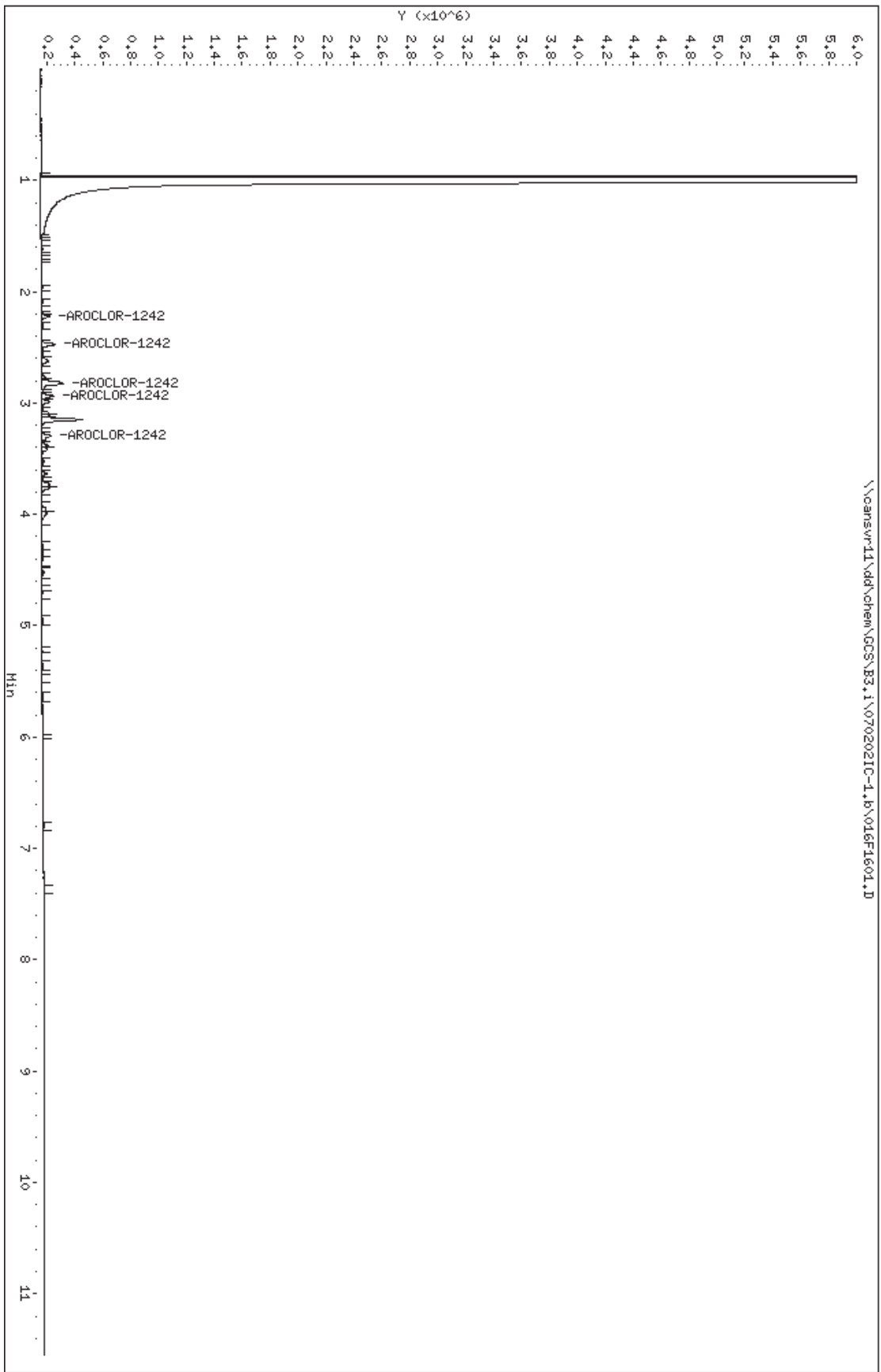
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
5 AROCLOR-1242				CAS #: 53469-21-9			
2.223	2.223	0.000	85733 0.20000	0.2095	75.00- 125.00	100.00 (M)	
2.473	2.473	0.000	176598 0.20000	0.2113	152.59- 254.32	205.99	
2.825	2.825	0.000	369576 0.20000	0.2065	326.11- 543.52	431.08	
2.936	2.936	0.000	152788 0.20000	0.2092	133.58- 222.64	178.21	
3.295	3.295	0.000	149703 0.20000	0.2030	136.42- 227.36	174.62	
Average of Peak Amounts =				0.20790			

QC Flag Legend

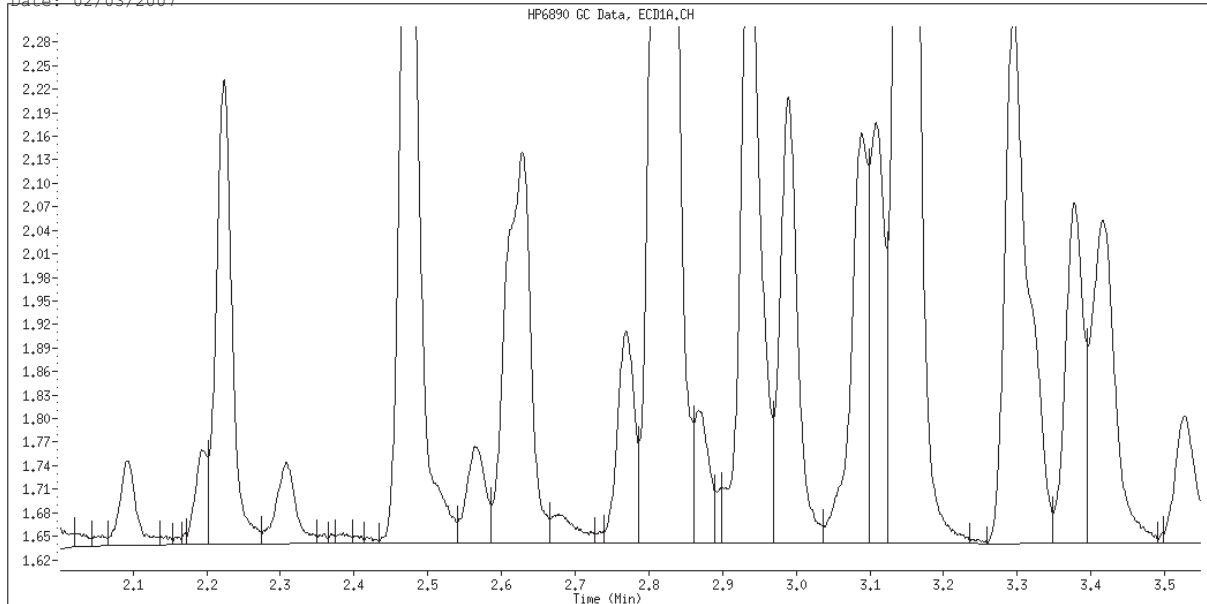
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\016F1601.D
Date : 02-FEB-2007 16:55
Client ID:
Sample Info: 1242,1,2
Column phase: restek pest c1p1

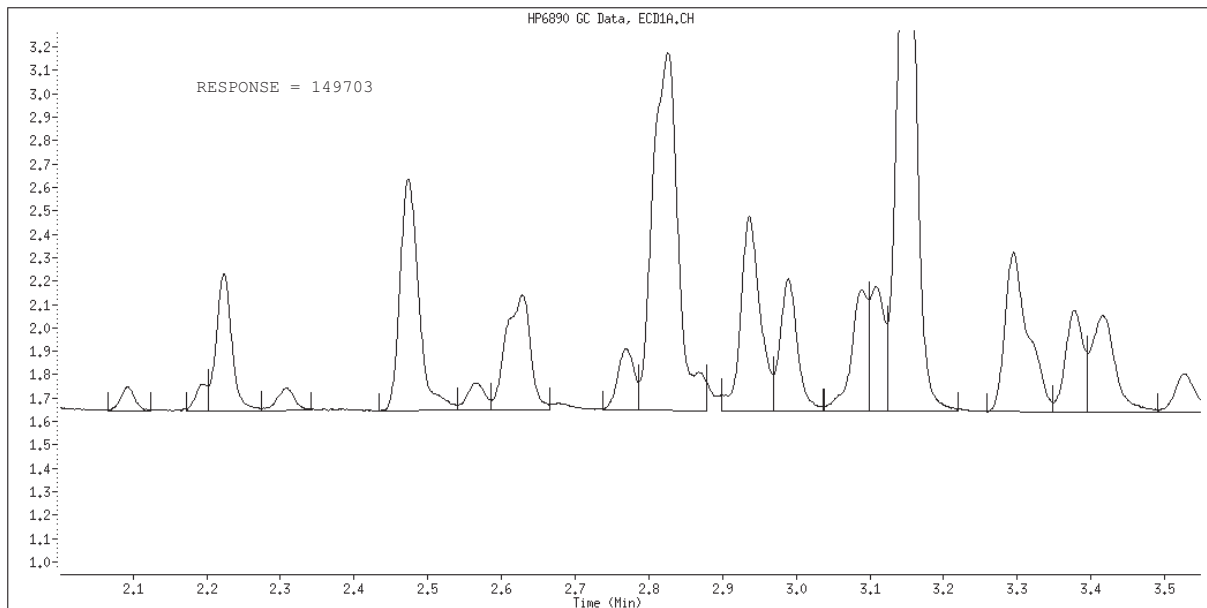
Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 016F1601.D
Inj. Date and Time: 02-FEB-2007 16:55
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1242
CAS #: 53469-21-9
Report Date: 02/03/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\017F1701.D
Report Date: 03-Feb-2007 09:23

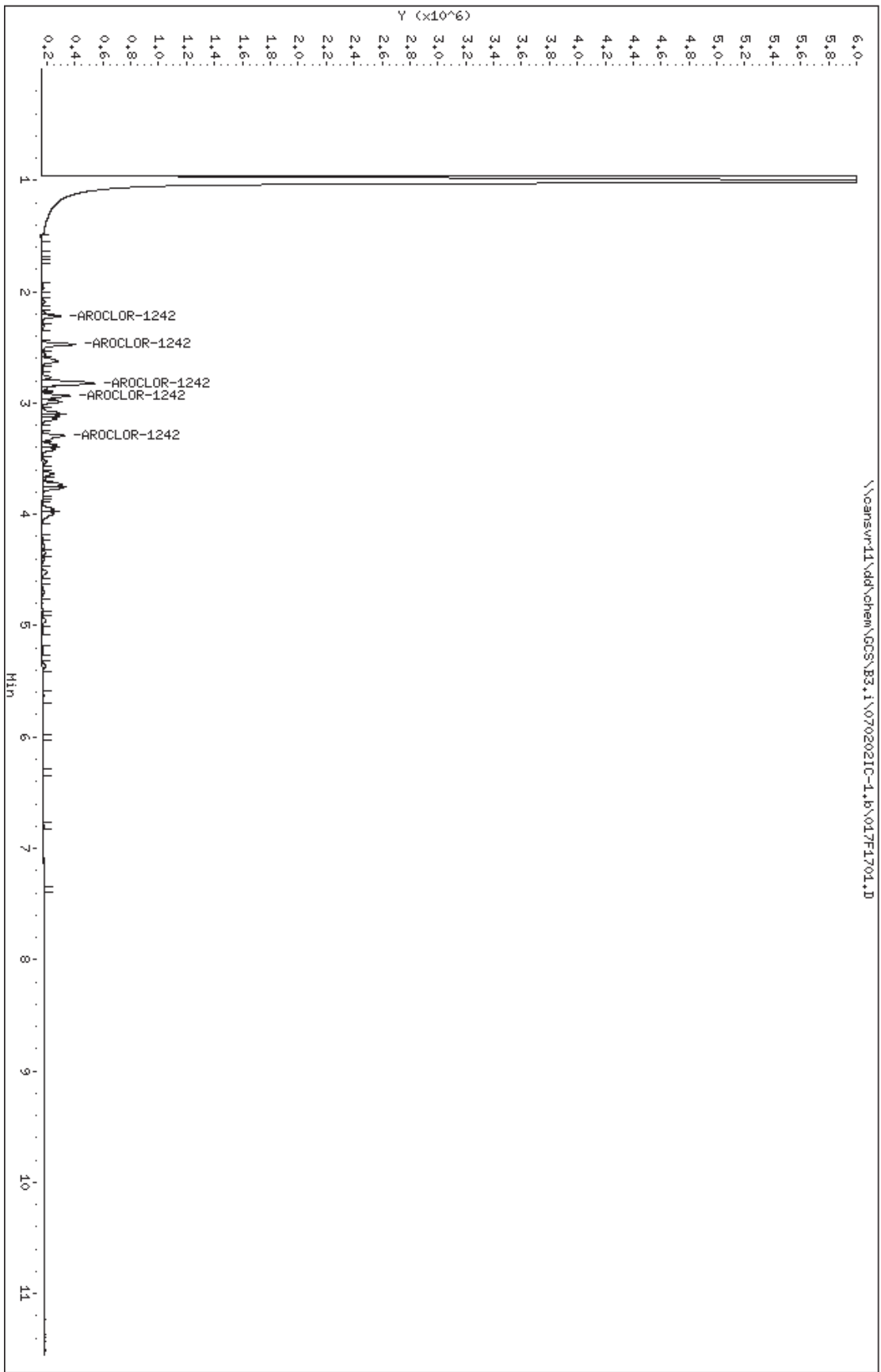
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\017F1701.D
Lab Smp Id: 1242
Inj Date : 02-FEB-2007 17:09
Operator : 402338 Inst ID: B3.i
Smp Info : 1242,,1,3
Misc Info : 2-AR1242.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:23 target Quant Type: ESTD
Cal Date : 02-FEB-2007 17:09 Cal File: 017F1701.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1242.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9					
2.223	2.223	0.000	206173	0.50000	0.4907	0.00- 0.00	100.00	
2.473	2.473	0.000	419890	0.50000	0.4929	0.00- 0.00	203.66	
2.825	2.825	0.000	867035	0.50000	0.5149	0.00- 0.00	420.54	
2.935	2.935	0.000	358421	0.50000	0.5378	0.00- 0.00	173.84	
3.295	3.295	0.000	365293	0.50000	0.4993	0.00- 0.00	177.18	
Average of Peak Amounts =				0.50712				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\017F1701.D
Date : 02-FEB-2007 17:09
Client ID:
Sample Info: 1242,1,3
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\018F1801.D
 Report Date: 03-Feb-2007 09:23

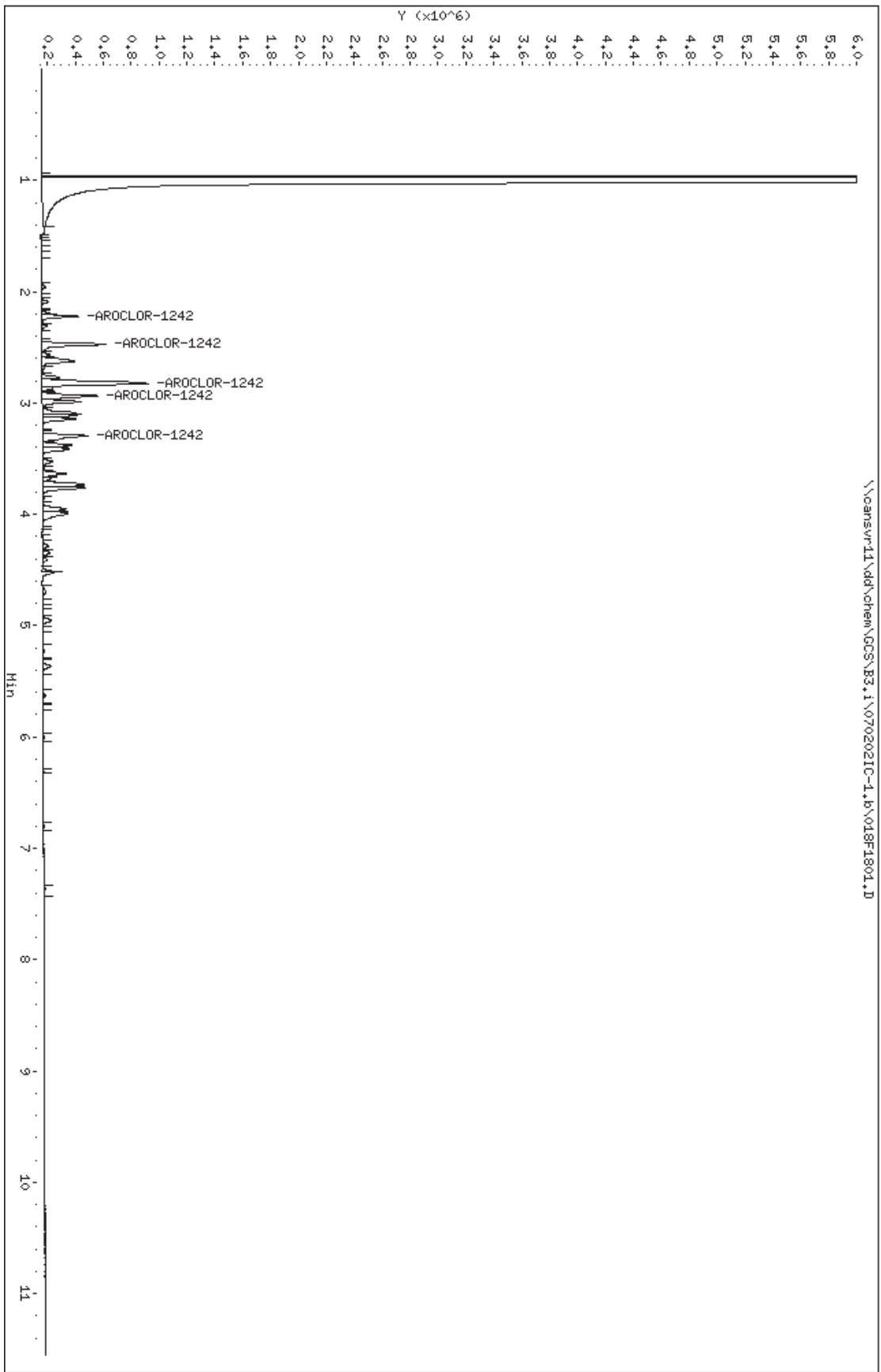
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\018F1801.D
 Lab Smp Id: 1242
 Inj Date : 02-FEB-2007 17:24
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1242,,1,4
 Misc Info : 2-AR1242.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:23 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 17:24 Cal File: 018F1801.D
 Als bottle: 18 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-AR1242.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.223	2.223	0.000	401699 1.00000	0.9667	80.00- 120.00	100.00	
2.473	2.473	0.000	817270 1.00000	0.9693	152.59- 254.32	203.45	
2.826	2.826	0.000	1746637 1.00000	1.028	326.11- 543.52	434.81	
2.936	2.936	0.000	715470 1.00000	1.054	133.58- 222.64	178.11	
3.294	3.294	0.000	730649 1.00000	0.9990	136.42- 227.36	181.89	
Average of Peak Amounts =			1.00340				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\018F1801.D
Date : 02-FEB-2007 17:24
Client ID:
Sample Info: 1242,1,4
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\019F1901.D
Report Date: 03-Feb-2007 09:24

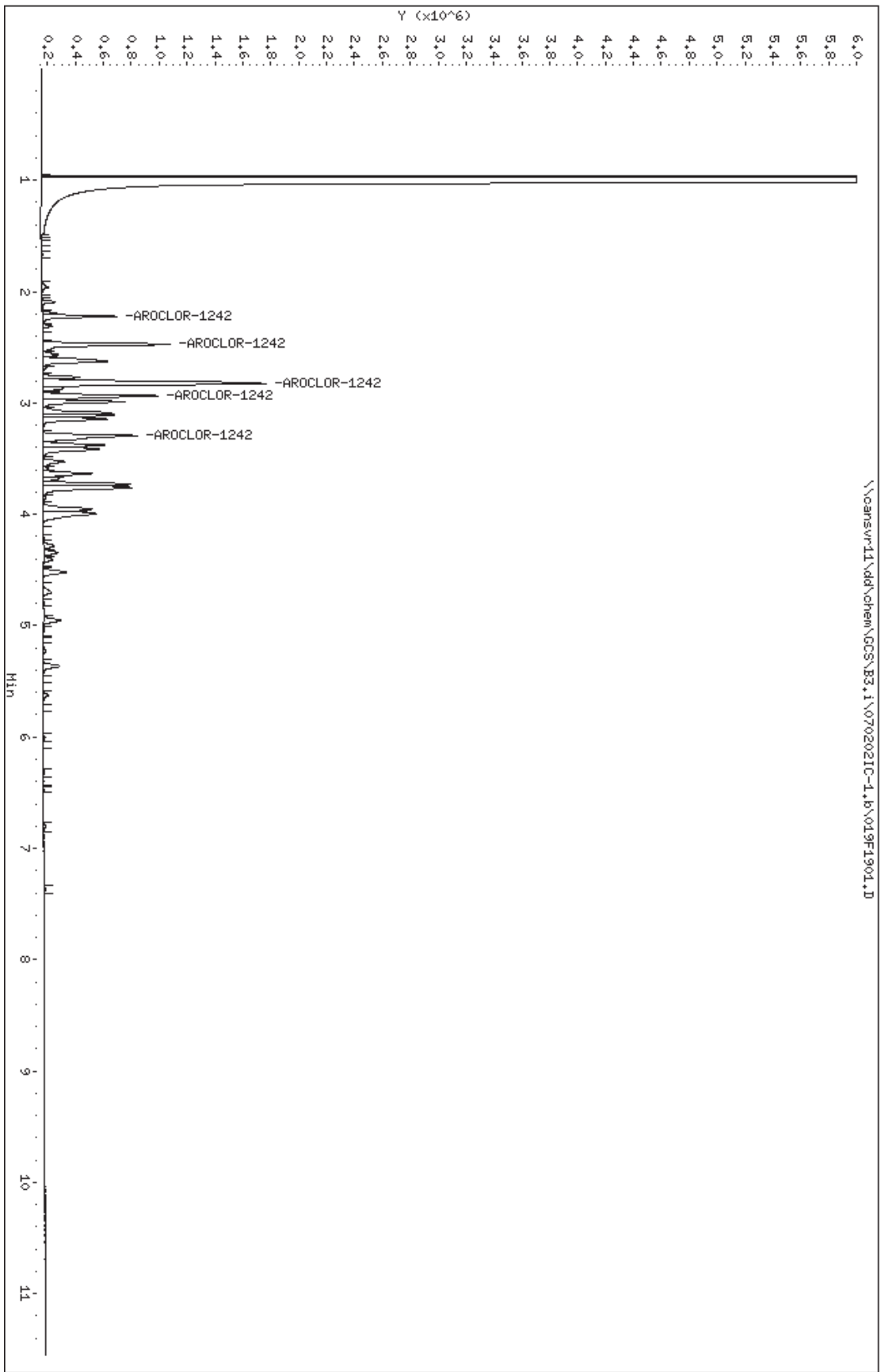
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\019F1901.D
Lab Smp Id: 1242
Inj Date : 02-FEB-2007 17:38
Operator : 402338 Inst ID: B3.i
Smp Info : 1242,,1,5
Misc Info : 2-AR1242.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:24 target Quant Type: ESTD
Cal Date : 02-FEB-2007 17:38 Cal File: 019F1901.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1242.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.223	2.223	0.000	800323 2.00000	1.940	75.00- 125.00	100.00	
2.474	2.474	0.000	1634924 2.00000	1.951	152.59- 254.32	204.28	
2.826	2.826	0.000	3610365 2.00000	2.098	326.11- 543.52	451.11	
2.936	2.936	0.000	1468945 2.00000	2.129	133.58- 222.64	183.54	
3.294	3.294	0.000	1495561 2.00000	2.036	136.42- 227.36	186.87	
Average of Peak Amounts =			2.03080				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\019F1901.D
Date : 02-FEB-2007 17:38
Client ID:
Sample Info: 1242,1,5
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\020F2001.D
Report Date: 03-Feb-2007 09:24

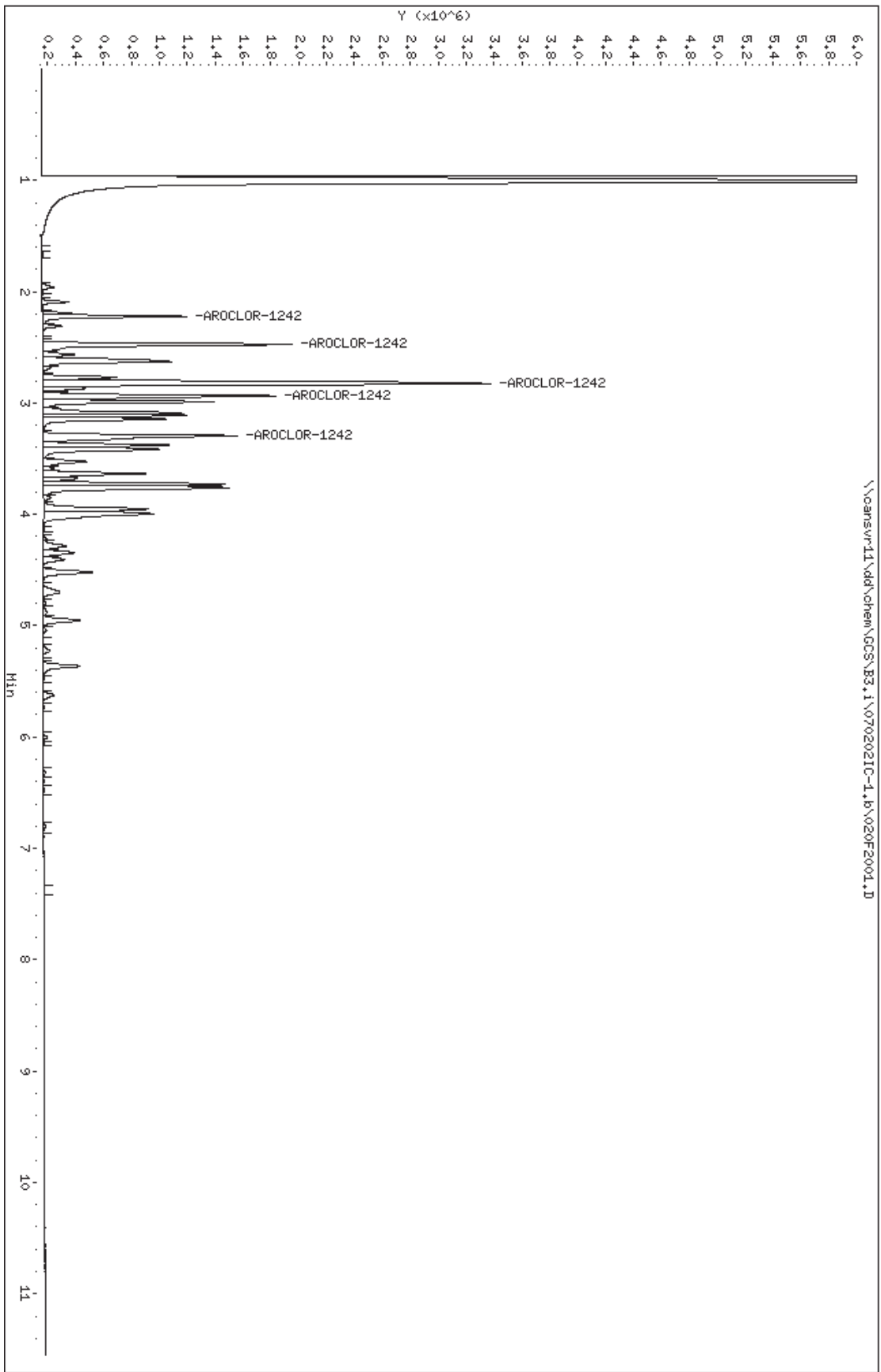
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\020F2001.D
Lab Smp Id: 1242
Inj Date : 02-FEB-2007 17:53
Operator : 402338 Inst ID: B3.i
Smp Info : 1242,,1,6
Misc Info : 2-AR1242.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:24 target Quant Type: ESTD
Cal Date : 02-FEB-2007 17:53 Cal File: 020F2001.D
Als bottle: 20 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1242.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.223	2.223	0.000	1571254	4.00000	3.840 75.00- 125.00	100.00	
2.473	2.473	0.000	3214962	4.00000	3.863 152.59- 254.32	204.61	
2.826	2.826	0.000	7308571	4.00000	4.204 326.11- 543.52	465.14	
2.936	2.936	0.000	2978707	4.00000	4.261 133.58- 222.64	189.58	
3.294	3.294	0.000	3068669	4.00000	4.146 136.42- 227.36	195.30	
Average of Peak Amounts =			4.06280				

Data File: \\canonvr11\dd\chem\GCS\B3.1\0702021C-1.1\020F2001.D
Date : 02-FEB-2007 17:53
Client ID:
Sample Info: 1242,1,6
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\021F2101.D
Report Date: 03-Feb-2007 09:29

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\021F2101.D
Lab Smp Id: 1248
Inj Date : 02-FEB-2007 18:08
Operator : 402338 Inst ID: B3.i
Smp Info : 1248,,1,1
Misc Info : 3-AR1248.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
Cal Date : 02-FEB-2007 18:08 Cal File: 021F2101.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1248.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

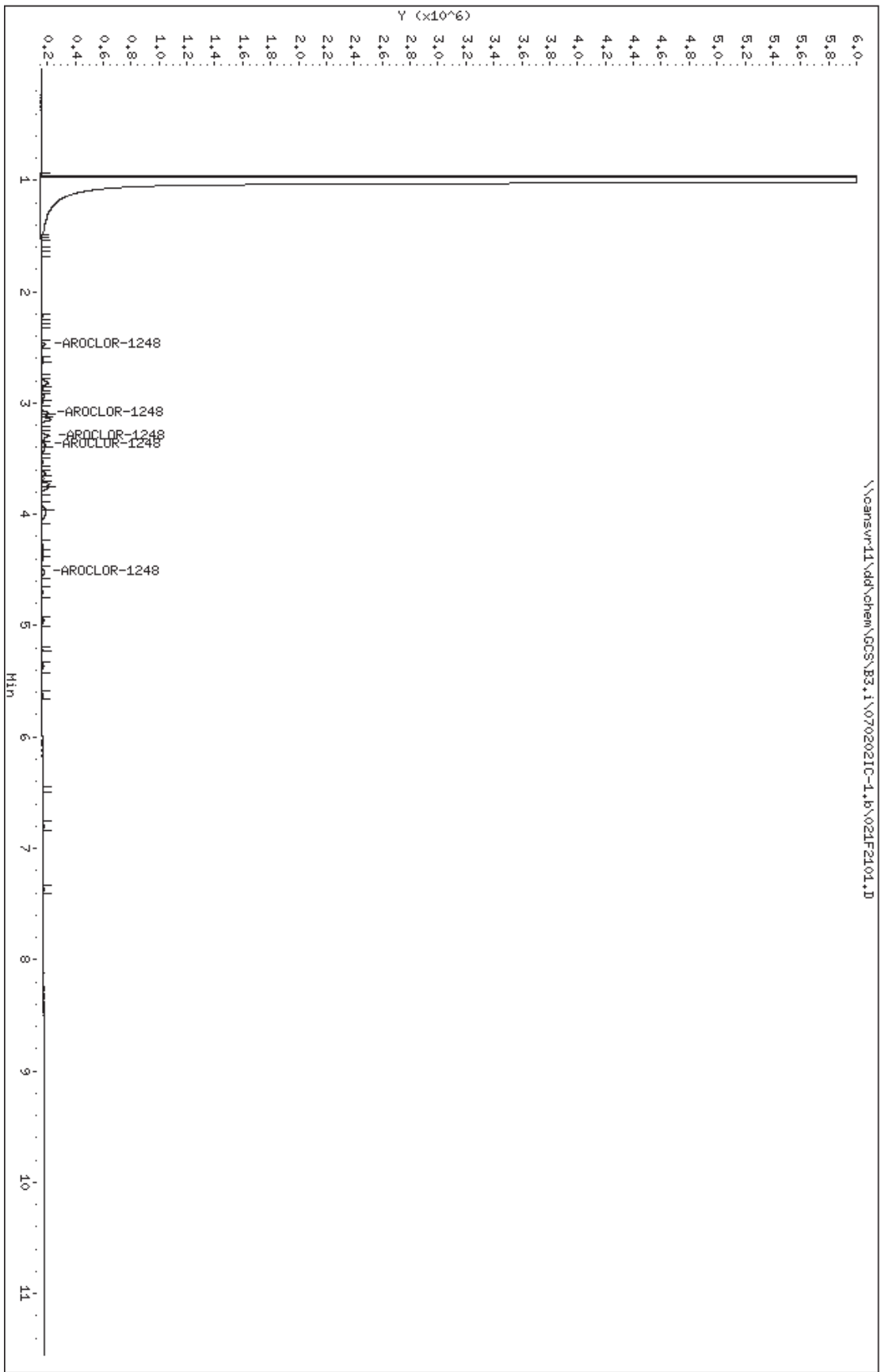
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.471	2.471	0.000	41903 0.10000	0.09933	75.00- 125.00	100.00 (M)	
3.088	3.088	0.000	73566 0.10000	0.1016	128.26- 213.77	295.55	
3.294	3.294	0.000	117316 0.10000	0.09908	209.15- 348.58	279.97	
3.376	3.376	0.000	59335 0.10000	0.09689	109.00- 181.66	141.60	
4.517	4.517	0.000	55052 0.10000	0.09429	103.62- 172.70	131.38	
Average of Peak Amounts =				0.09824			

QC Flag Legend

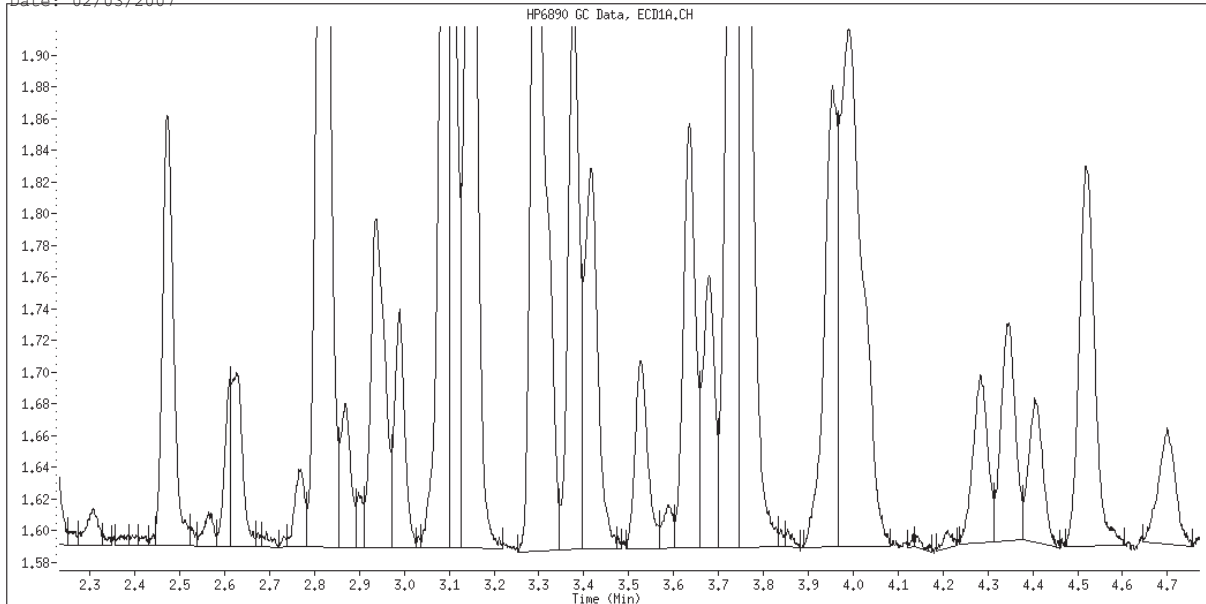
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\021F2101.D
Date : 02-FEB-2007 18:08
Client ID:
Sample Info: 1248, 1, 1
Column phase: restek pest c1p1

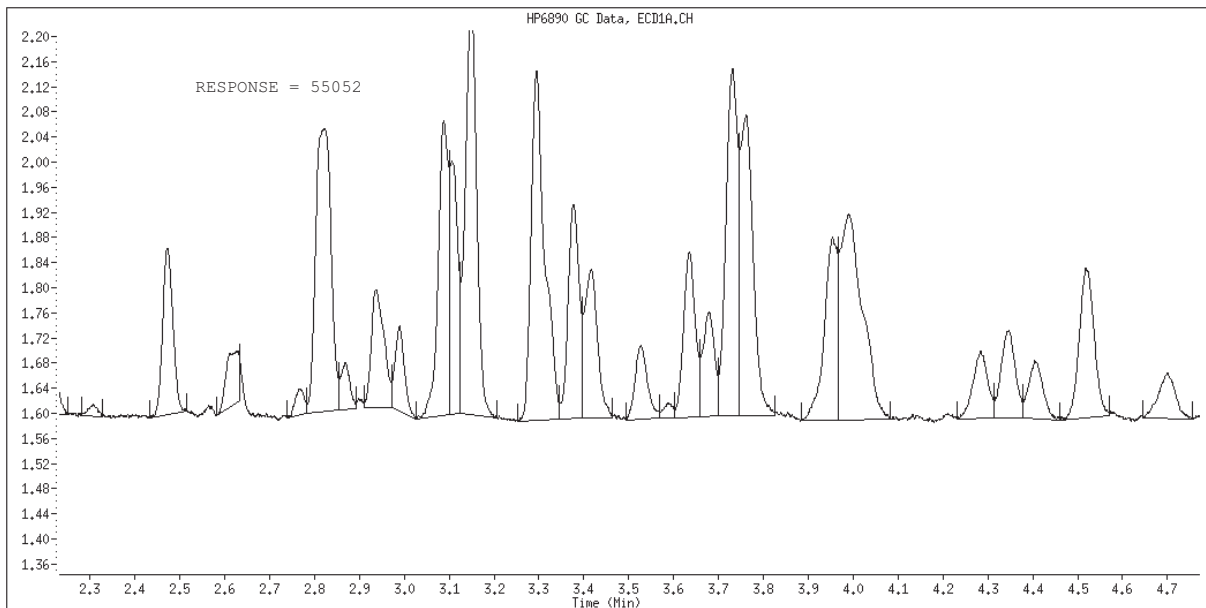
Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 021F2101.D
Inj. Date and Time: 02-FEB-2007 18:08
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/03/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\022F2201.D
Report Date: 03-Feb-2007 09:29

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\022F2201.D
Lab Smp Id: 1248
Inj Date : 02-FEB-2007 18:22
Operator : 402338 Inst ID: B3.i
Smp Info : 1248,,1,2
Misc Info : 3-AR1248.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
Cal Date : 02-FEB-2007 18:22 Cal File: 022F2201.D
Als bottle: 22 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1248.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

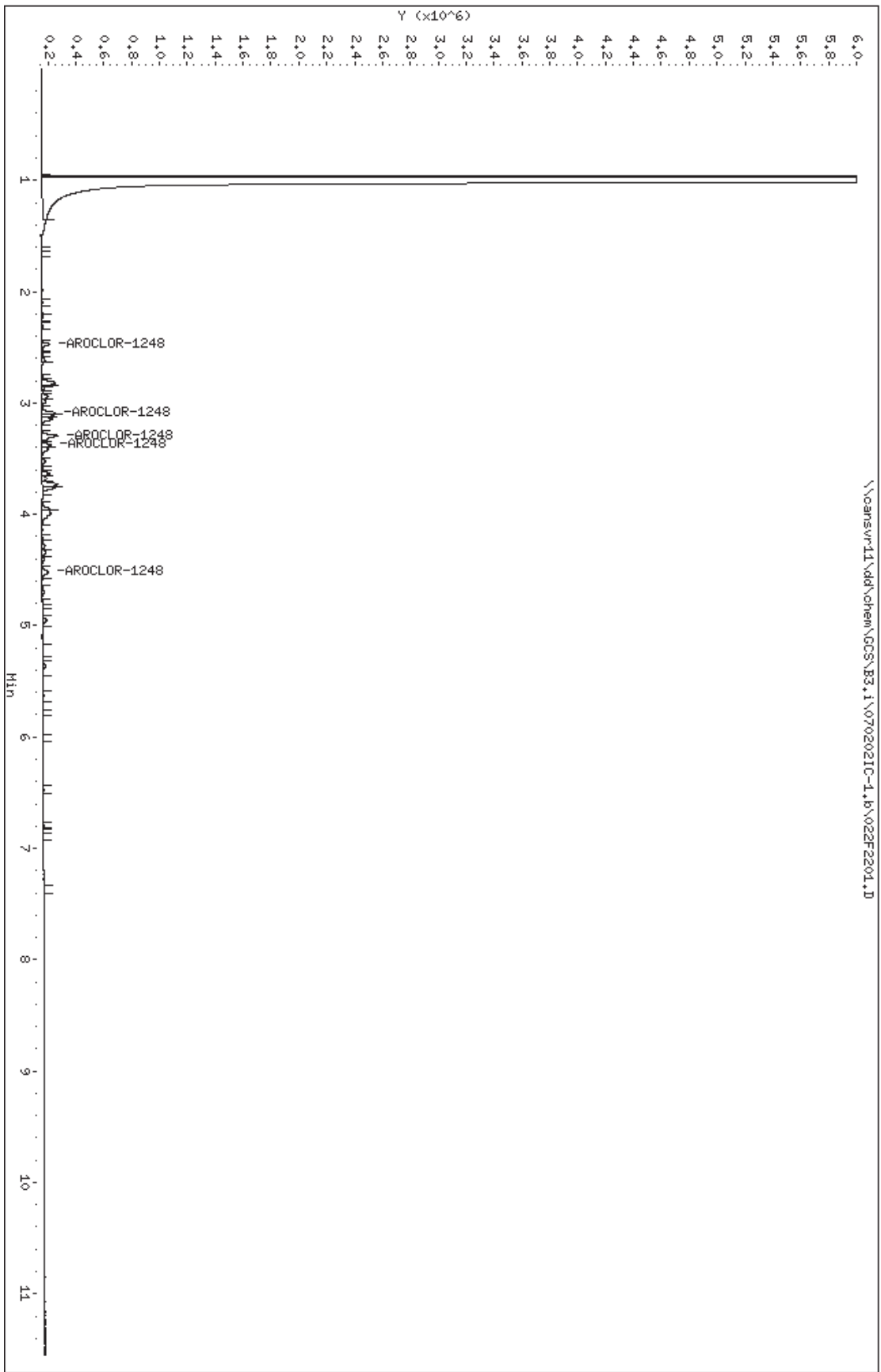
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.472	2.472	0.000	90713 0.20000	0.2140	75.00- 125.00	100.00(M)	
3.088	3.088	0.000	149460 0.20000	0.2045	128.26- 213.77	164.76	
3.294	3.294	0.000	234686 0.20000	0.1985	209.15- 348.58	258.71	
3.376	3.376	0.000	120440 0.20000	0.1966	109.00- 181.66	132.77	
4.518	4.518	0.000	110187 0.20000	0.1887	103.62- 172.70	121.47	
Average of Peak Amounts =			0.20046				

QC Flag Legend

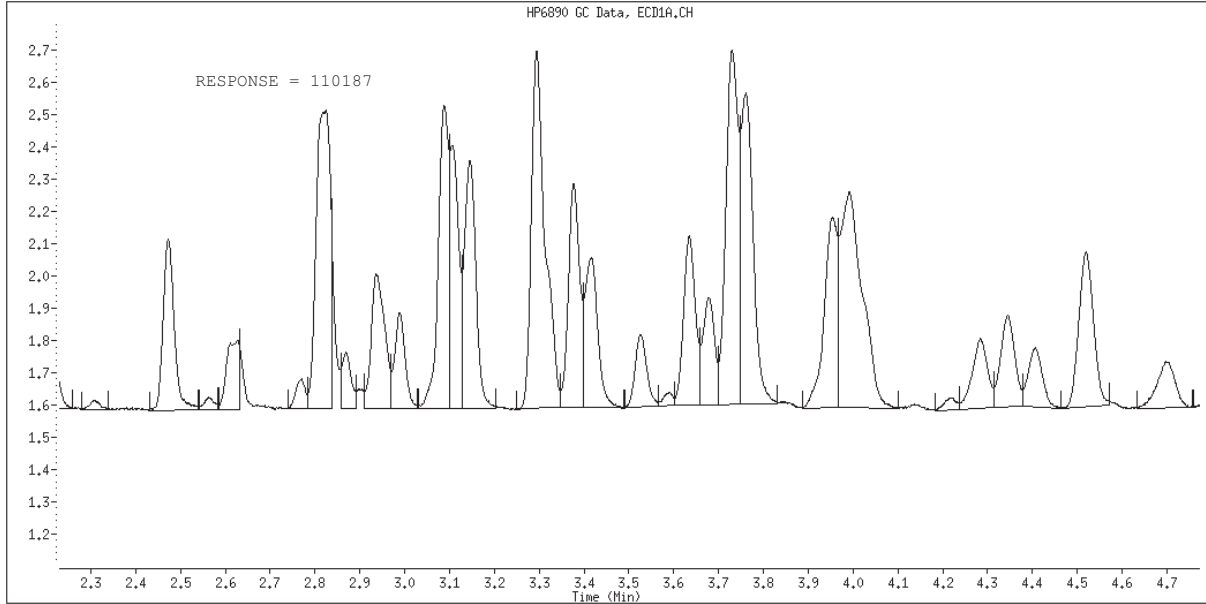
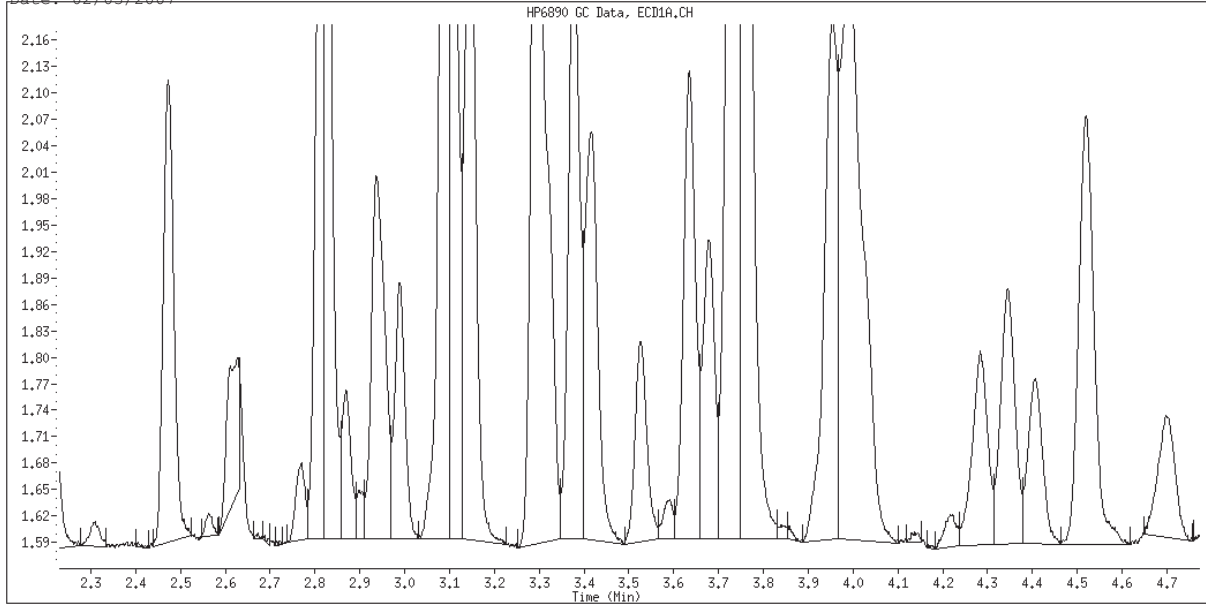
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.6\02EF2201.D
Date : 02-FEB-2007 18:22
Client ID:
Sample Info: 1248, 1, 2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 022F2201.D
Inj. Date and Time: 02-FEB-2007 18:22
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/03/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\023F2301.D
Report Date: 03-Feb-2007 09:24

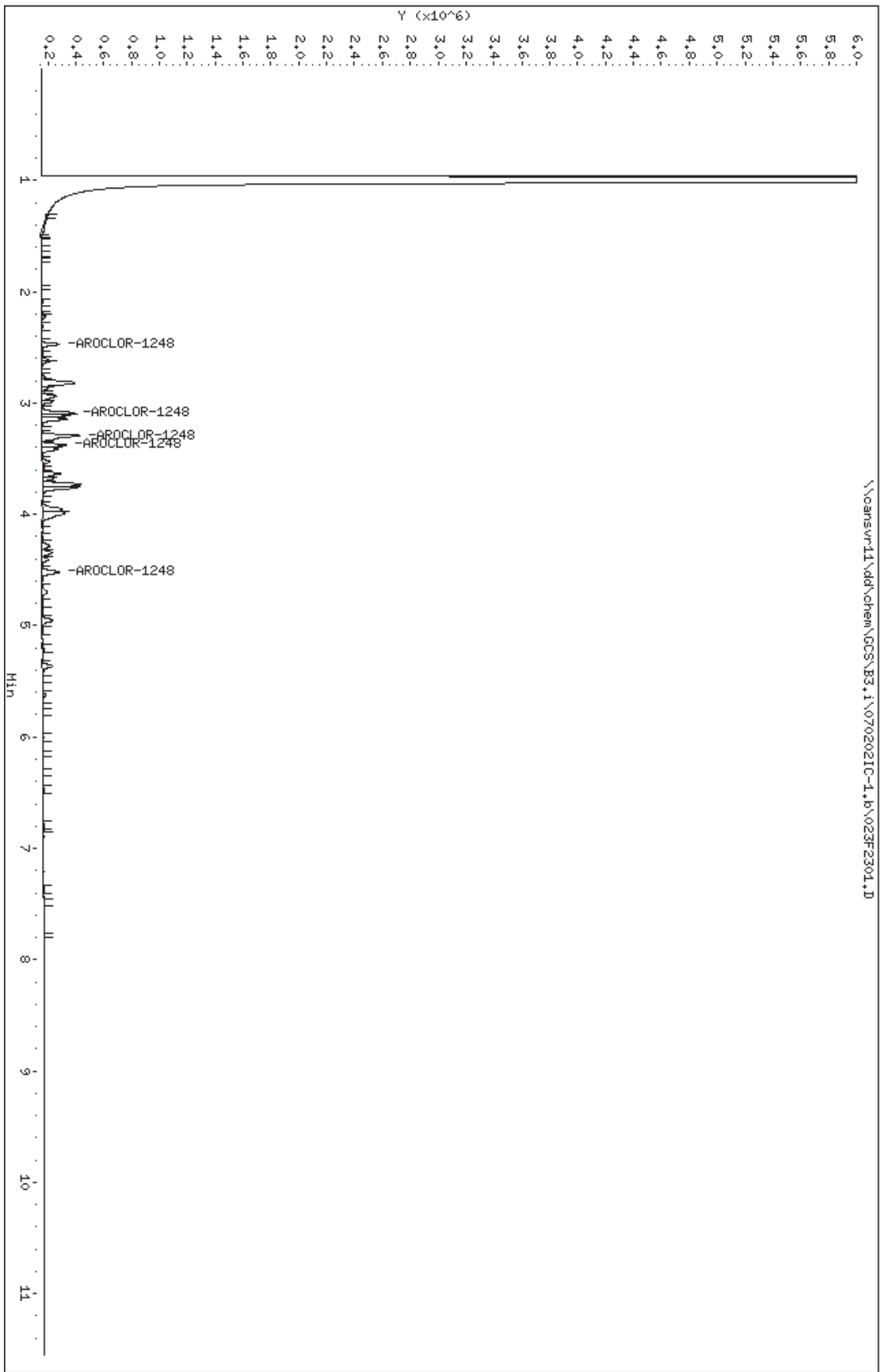
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\023F2301.D
Lab Smp Id: 1248
Inj Date : 02-FEB-2007 18:37
Operator : 402338 Inst ID: B3.i
Smp Info : 1248,,1,3
Misc Info : 3-AR1248.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:24 target Quant Type: ESTD
Cal Date : 02-FEB-2007 18:37 Cal File: 023F2301.D
Als bottle: 23 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1248.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.472	2.472	0.000	216309	0.50000	0.5021	0.00- 0.00	100.00	
3.088	3.088	0.000	370233	0.50000	0.4133	0.00- 0.00	171.16	
3.294	3.294	0.000	586549	0.50000	0.4982	0.00- 0.00	271.16	
3.376	3.376	0.000	303134	0.50000	0.5052	0.00- 0.00	140.14	
4.520	4.520	0.000	294656	0.50000	0.5228	0.00- 0.00	136.22	
Average of Peak Amounts =				0.48832				

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\023F2301.D
Date : 02-FEB-2007 18:37
Client ID:
Sample Info: 1248,1,3
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\024F2401.D
Report Date: 03-Feb-2007 09:24

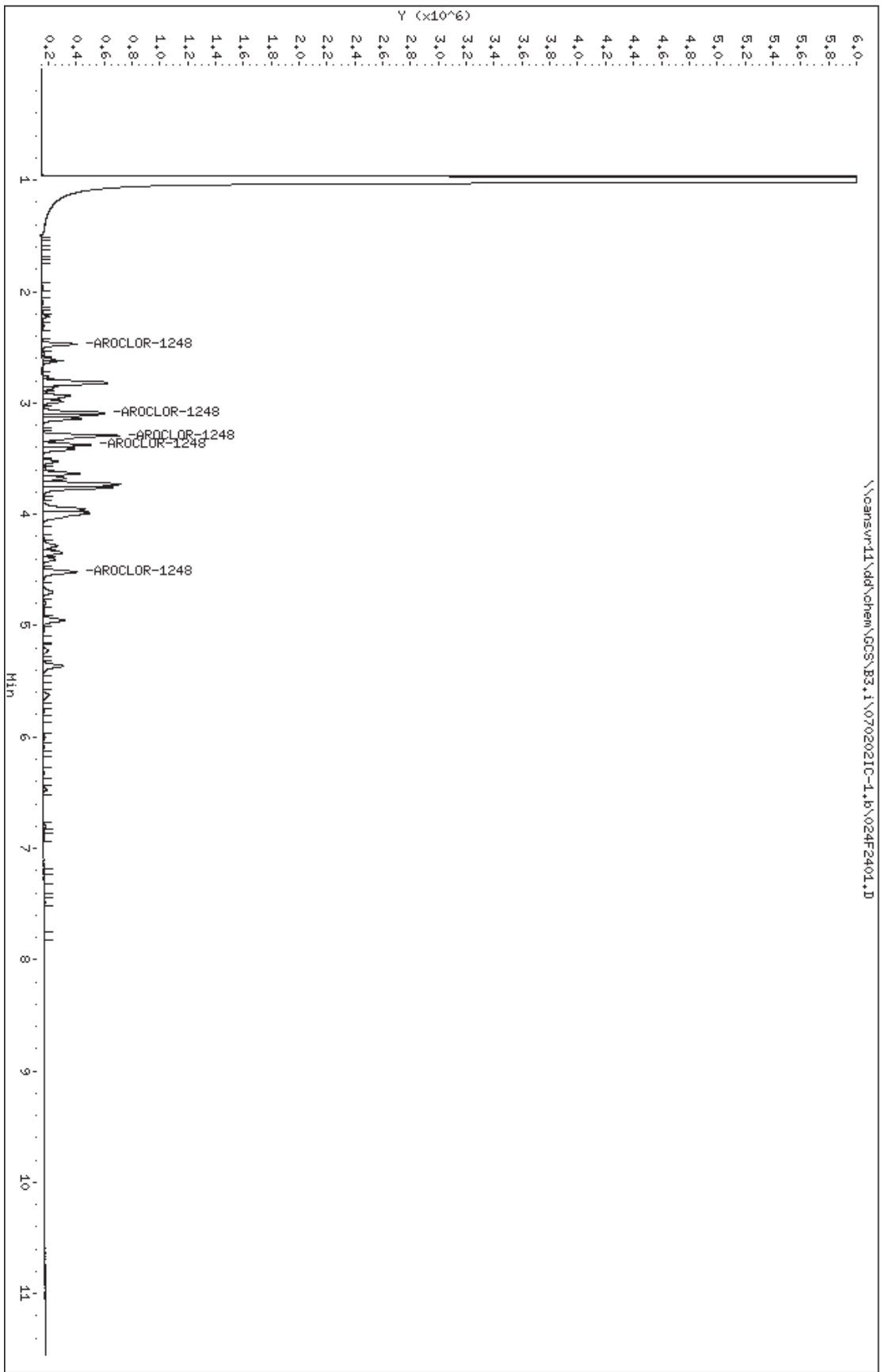
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\024F2401.D
Lab Smp Id: 1248
Inj Date : 02-FEB-2007 18:51
Operator : 402338 Inst ID: B3.i
Smp Info : 1248,,1,4
Misc Info : 3-AR1248.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:24 target Quant Type: ESTD
Cal Date : 02-FEB-2007 18:51 Cal File: 024F2401.D
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1248.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6				
2.472	2.472	0.000	418909 1.00000	0.9792	80.00- 120.00	100.00	
3.087	3.087	0.000	716385 1.00000	0.8419	128.26- 213.77	171.01	
3.294	3.294	0.000	1168190 1.00000	0.9942	209.15- 348.58	278.86	
3.376	3.376	0.000	608790 1.00000	1.011	109.00- 181.66	145.33	
4.519	4.519	0.000	578758 1.00000	1.020	103.62- 172.70	138.16	
Average of Peak Amounts =				0.96926			

Data File: \\cansvr11\dd\chem\GCS\B3.1\070202IC-1.b\024F2401.D
Date : 02-FEB-2007 18:51
Client ID:
Sample Info: 1248,1,4
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\025F2501.D
Report Date: 03-Feb-2007 09:30

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\025F2501.D
Lab Smp Id: 1248
Inj Date : 02-FEB-2007 19:06
Operator : 402338 Inst ID: B3.i
Smp Info : 1248,,1,5
Misc Info : 3-AR1248.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
Cal Date : 02-FEB-2007 19:06 Cal File: 025F2501.D
Als bottle: 25 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1248.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

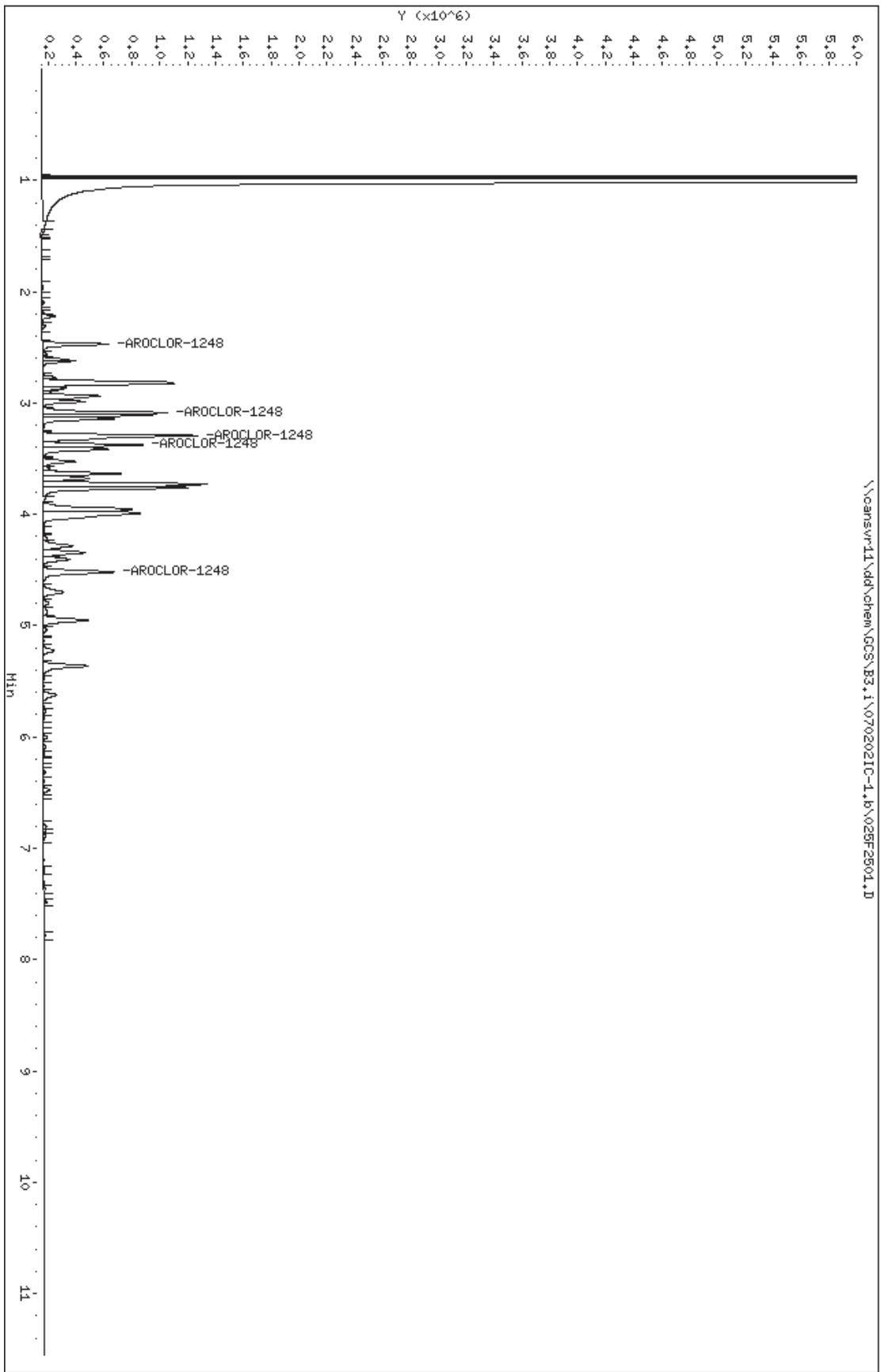
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.472	2.472	0.000	806869 2.00000	1.906	75.00- 125.00	100.00 (M)	
3.087	3.087	0.000	1450769 2.00000	1.973	128.26- 213.77	179.80	
3.294	3.294	0.000	2390240 2.00000	2.014	209.15- 348.58	296.24	
3.376	3.376	0.000	1270886 2.00000	2.058	109.00- 181.66	157.51	
4.519	4.519	0.000	1217352 2.00000	2.075	103.62- 172.70	150.87	
Average of Peak Amounts =			2.00520				

QC Flag Legend

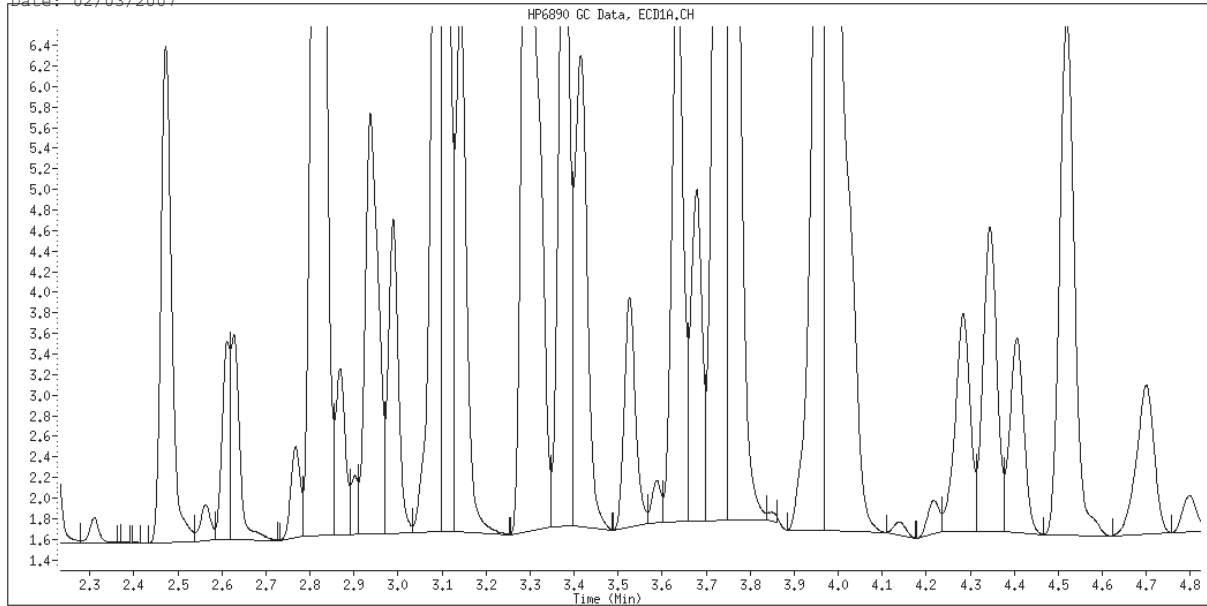
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\02SF2501.D
Date : 02-FEB-2007 19:06
Client ID:
Sample Info: 1248,1,5
Column phase: restek pest c1p1

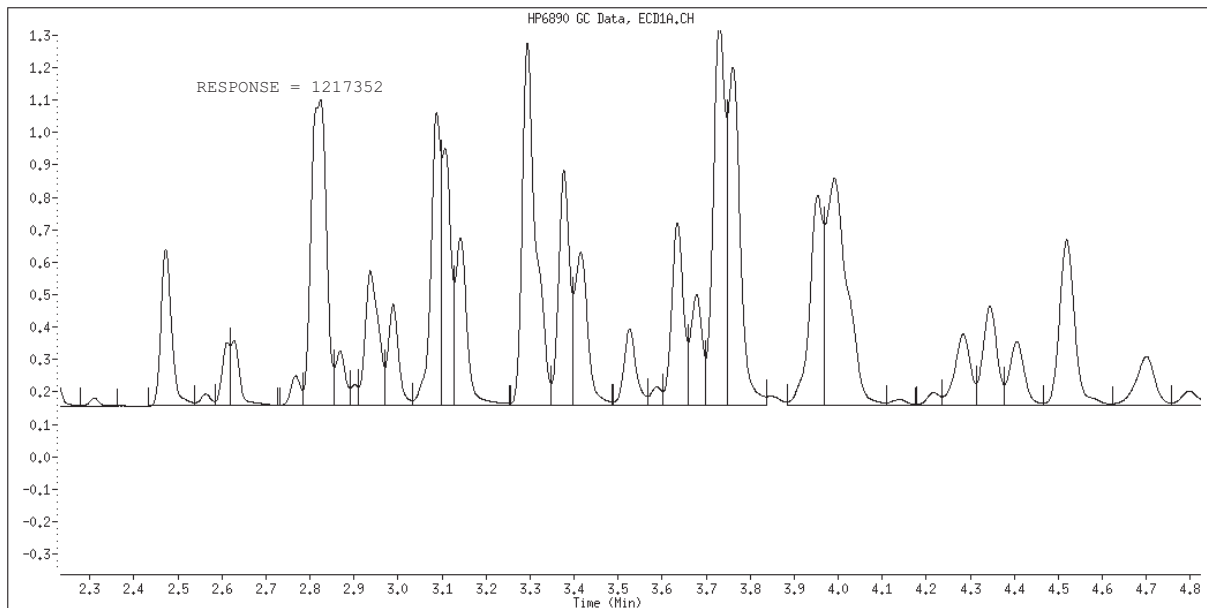
Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 025F2501.D
Inj. Date and Time: 02-FEB-2007 19:06
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 02/03/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\026F2601.D
 Report Date: 03-Feb-2007 09:25

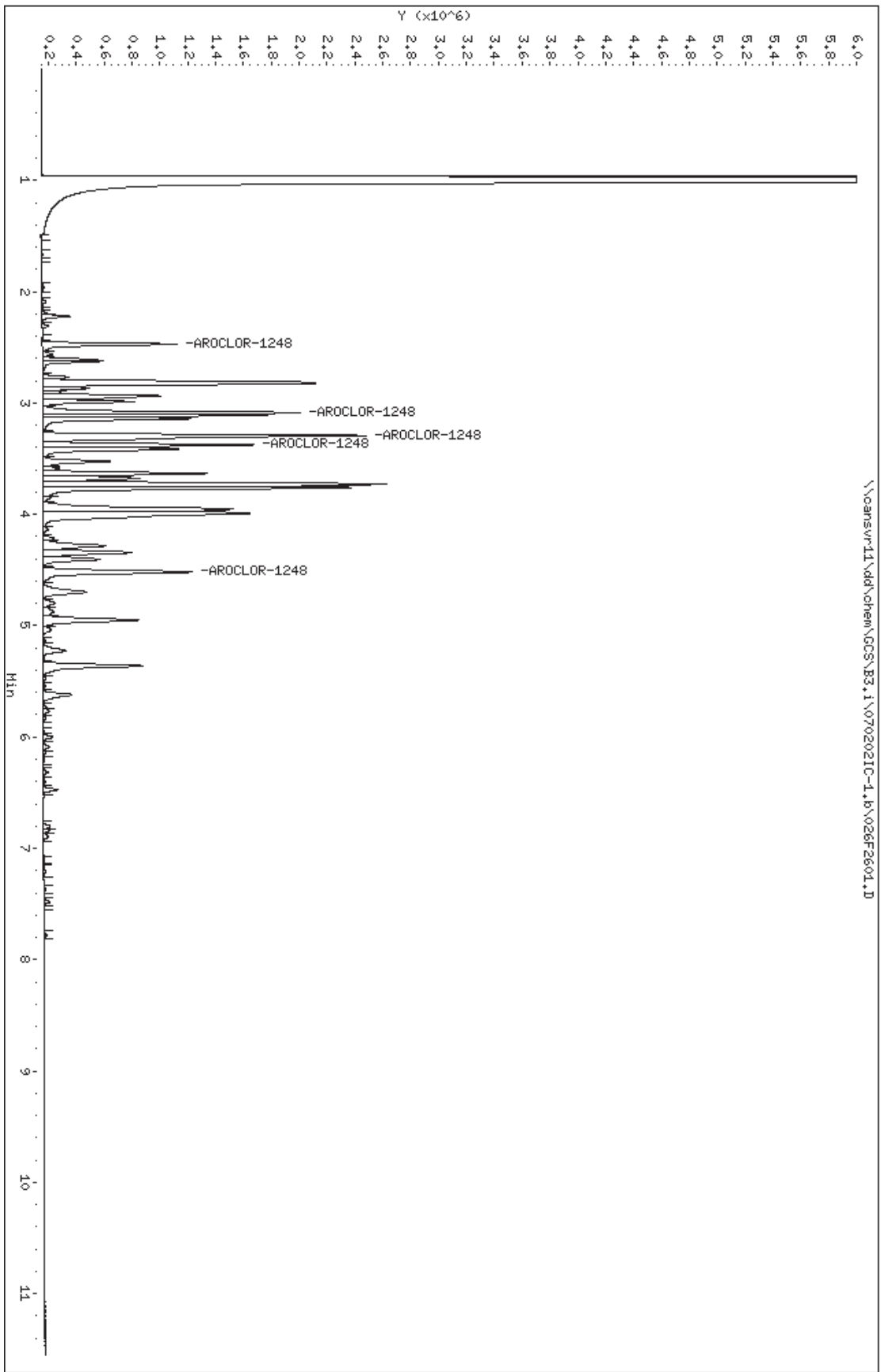
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\026F2601.D
 Lab Smp Id: 1248
 Inj Date : 02-FEB-2007 19:20
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1248,,1,6
 Misc Info : 3-AR1248.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:25 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 19:20 Cal File: 026F2601.D
 Als bottle: 26 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-AR1248.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.472	2.472	0.000	1647178	4.00000	3.905 75.00- 125.00	100.00	
3.087	3.087	0.000	2989627	4.00000	3.700 128.26- 213.77	181.50	
3.293	3.293	0.000	4951388	4.00000	4.182 209.15- 348.58	300.60	
3.376	3.376	0.000	2633005	4.00000	4.299 109.00- 181.66	159.85	
4.518	4.518	0.000	2565376	4.00000	4.394 103.62- 172.70	155.74	
Average of Peak Amounts =			4.09600				

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\026F2601.D
Date : 02-FEB-2007 19:20
Client ID:
Sample Info: 1248, 1, 6
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\027F2701.D
 Report Date: 03-Feb-2007 09:30

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\027F2701.D
 Lab Smp Id: 2154
 Inj Date : 02-FEB-2007 19:35
 Operator : 402338 Inst ID: B3.i
 Smp Info : 2154,,1,1
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 19:35 Cal File: 027F2701.D
 Als bottle: 27 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-AR2154.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
3.977	3.977	0.000	181661 0.10000	0.1008	75.00- 125.00	100.00	(M)	
4.517	4.517	0.000	197940 0.10000	0.09985	83.71- 139.51	108.96		
4.951	4.951	0.000	142394 0.10000	0.1006	59.19- 98.66	78.38		
5.224	5.224	0.000	140955 0.10000	0.09975	58.57- 97.61	77.59		
5.622	5.622	0.000	198175 0.10000	0.09286	90.35- 150.58	109.09		
Average of Peak Amounts =				0.09877				

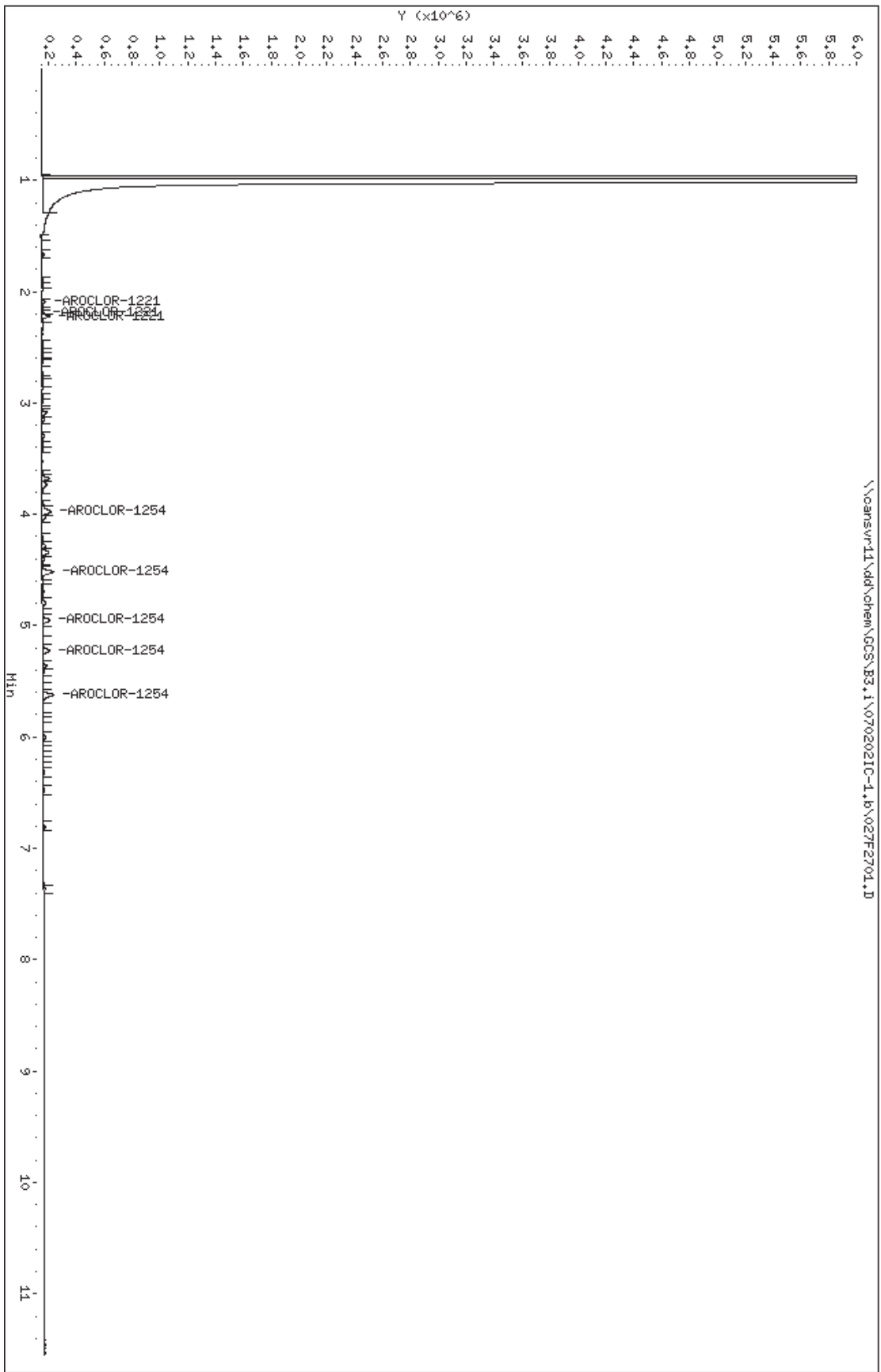
2 AROCLOR-1221			CAS #: 11104-28-2					
2.092	2.092	0.000	31139 0.10000	0.1003	75.00- 125.00	100.00		
2.192	2.192	0.000	17041 0.10000	0.1035	39.58- 65.96	54.73		
2.222	2.222	0.000	84820 0.10000	0.1047	194.39- 323.99	272.39		
Average of Peak Amounts =				0.10283				

QC Flag Legend

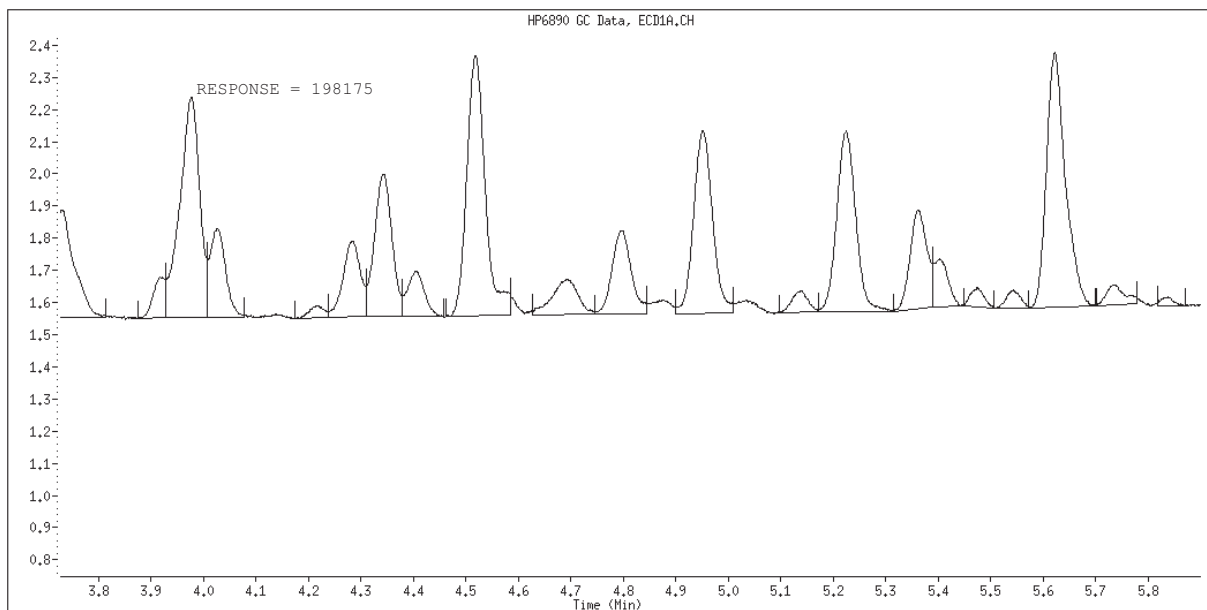
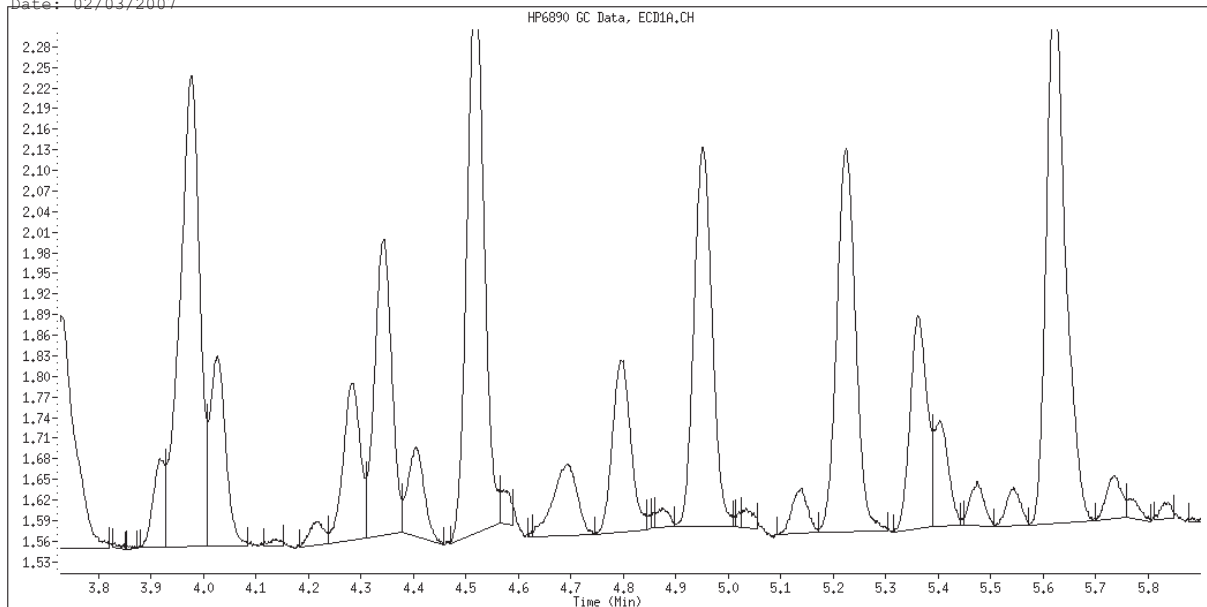
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.1\027F2701.D
Date : 02-FEB-2007 19:35
Client ID:
Sample Info: 2154,1,1
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 02-FEB-2007 19:35
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 02/03/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\028F2801.D
 Report Date: 03-Feb-2007 09:30

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\028F2801.D
 Lab Smp Id: 2154
 Inj Date : 02-FEB-2007 19:49
 Operator : 402338 Inst ID: B3.i
 Smp Info : 2154,,1,2
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 19:49 Cal File: 028F2801.D
 Als bottle: 28 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-AR2154.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
7 AROCLOR-1254					CAS #: 11097-69-1				
3.976	3.976	0.000	361694	0.20000	0.2007	75.00-	125.00	100.00	(M)
4.517	4.517	0.000	403179	0.20000	0.2005	83.71-	139.51	111.47	
4.951	4.951	0.000	288540	0.20000	0.2004	59.19-	98.66	79.77	
5.224	5.224	0.000	278797	0.20000	0.1974	58.57-	97.61	77.08	
5.620	5.620	0.000	410899	0.20000	0.1922	90.35-	150.58	113.60	
Average of Peak Amounts =					0.19824				

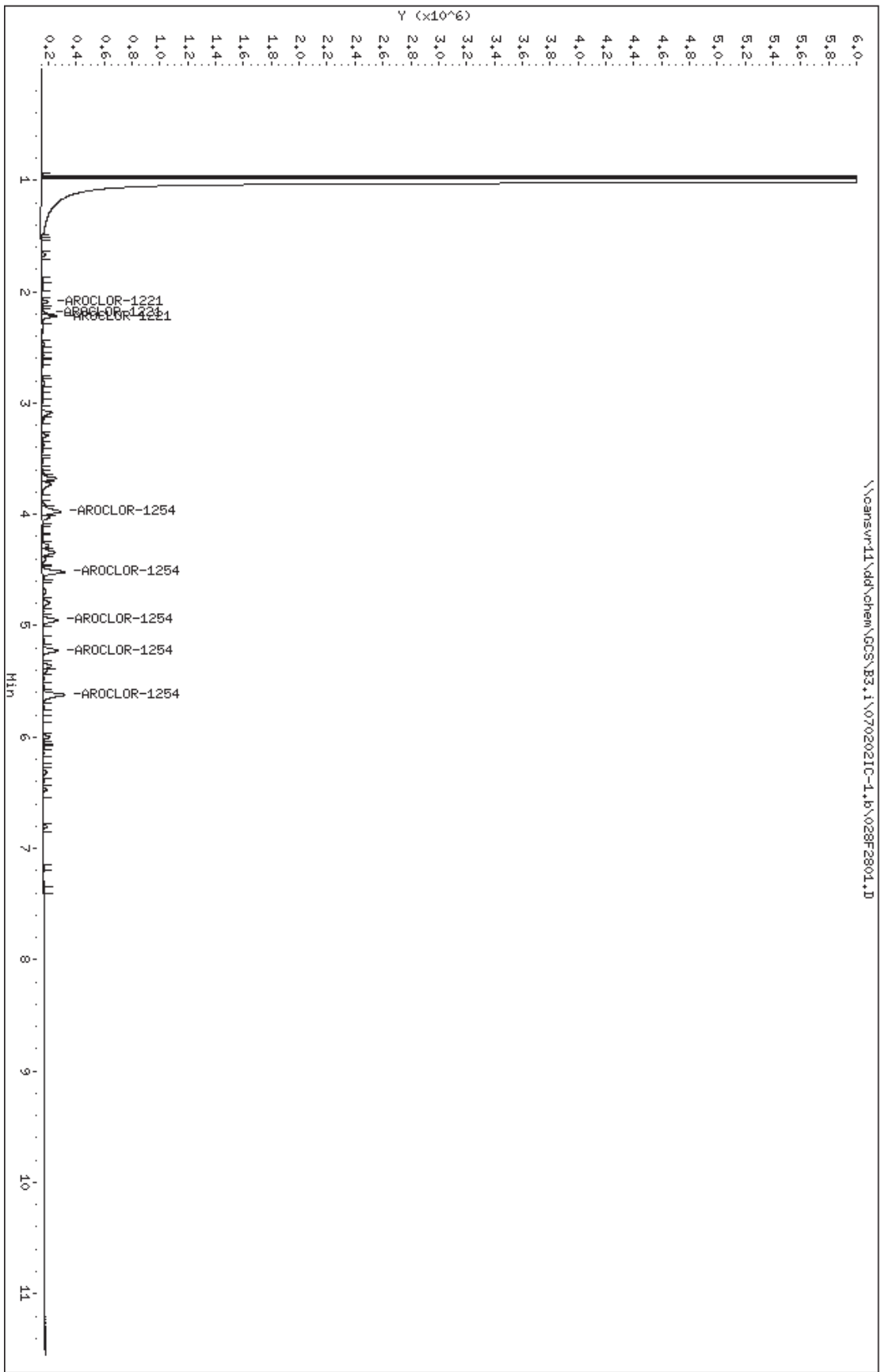
2 AROCLOR-1221					CAS #: 11104-28-2				
2.092	2.092	0.000	62167	0.20000	0.2002	75.00-	125.00	100.00	
2.194	2.194	0.000	32658	0.20000	0.1984	39.58-	65.96	52.53	
2.222	2.222	0.000	168646	0.20000	0.2082	194.39-	323.99	271.28	
Average of Peak Amounts =					0.20227				

QC Flag Legend

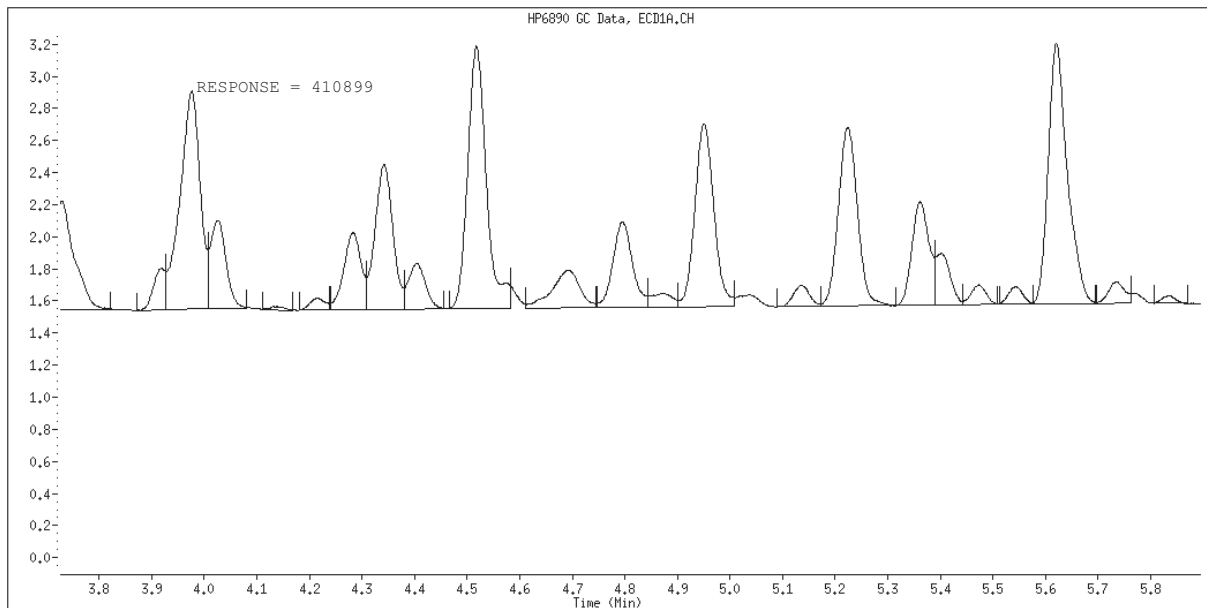
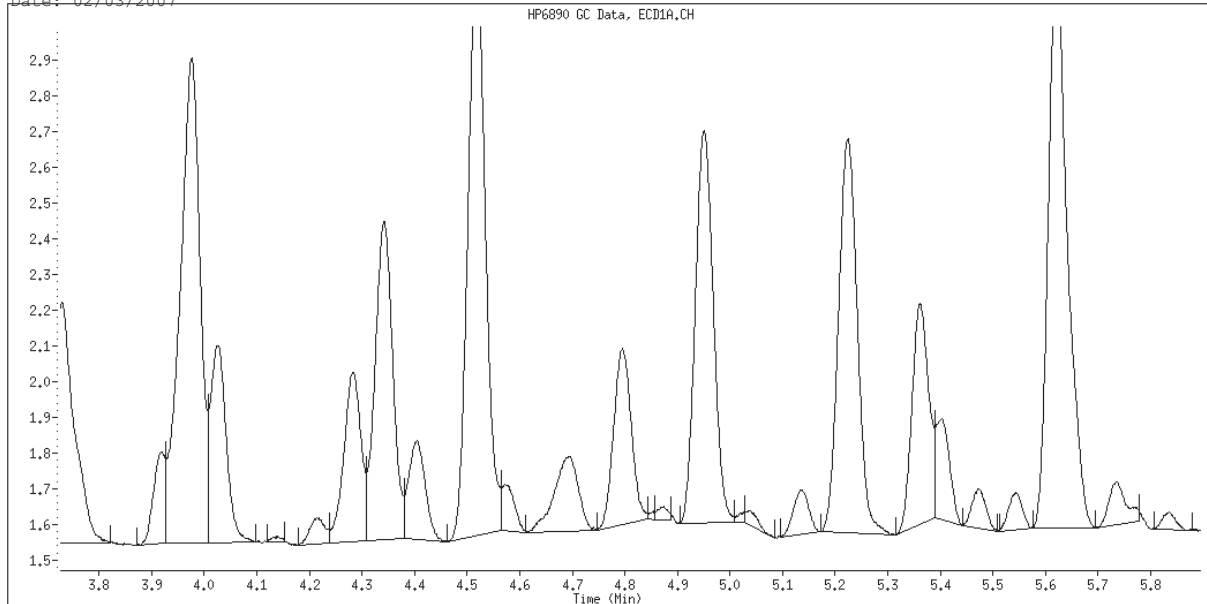
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\028F2801.D
Date : 02-FEB-2007 19:49
Client ID:
Sample Info: 2154,1,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 028F2801.D
Inj. Date and Time: 02-FEB-2007 19:49
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 02/03/2007



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\029F2901.D
 Report Date: 03-Feb-2007 09:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\029F2901.D
 Lab Smp Id: 2154
 Inj Date : 02-FEB-2007 20:04
 Operator : 402338 Inst ID: B3.i
 Smp Info : 2154,,1,3
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:04 Cal File: 029F2901.D
 Als bottle: 29 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-AR2154.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
3.976	3.976	0.000	907958 0.50000	0.5031	75.00- 125.00	100.00 (M)		
4.516	4.516	0.000	995378 0.50000	0.4934	83.71- 139.51	109.63		
4.949	4.949	0.000	738861 0.50000	0.5066	59.19- 98.66	81.38		
5.223	5.223	0.000	714805 0.50000	0.5040	58.57- 97.61	78.73		
5.619	5.619	0.000	1074613 0.50000	0.5007	90.35- 150.58	118.35		
Average of Peak Amounts =				0.50156				

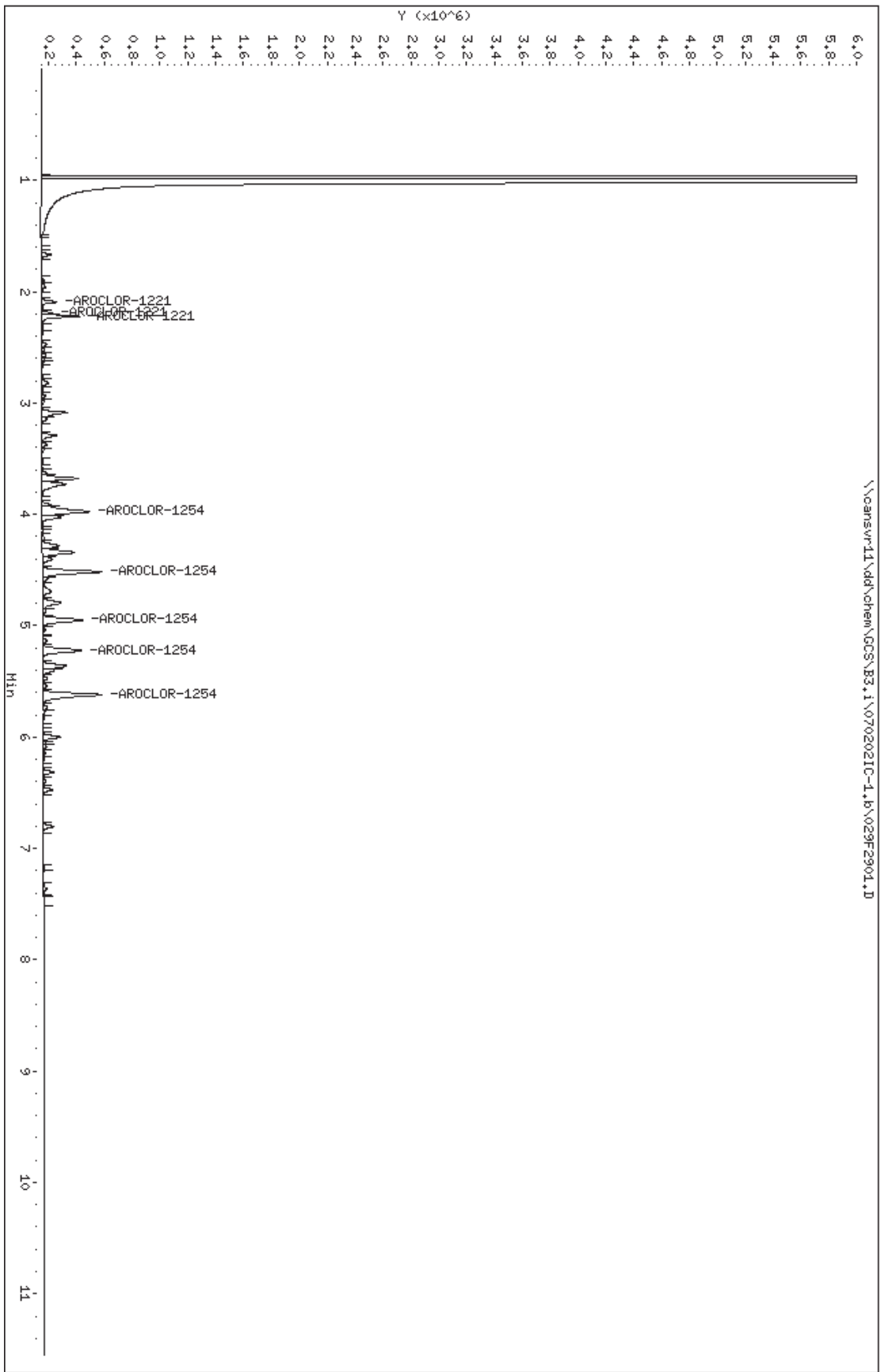
2 AROCLOR-1221			CAS #: 11104-28-2					
2.092	2.092	0.000	158929 0.50000	0.5119	75.00- 125.00	100.00		
2.193	2.193	0.000	85083 0.50000	0.5170	39.58- 65.96	53.54		
2.222	2.222	0.000	416456 0.50000	0.5141	194.39- 323.99	262.04		
Average of Peak Amounts =				0.51433				

QC Flag Legend

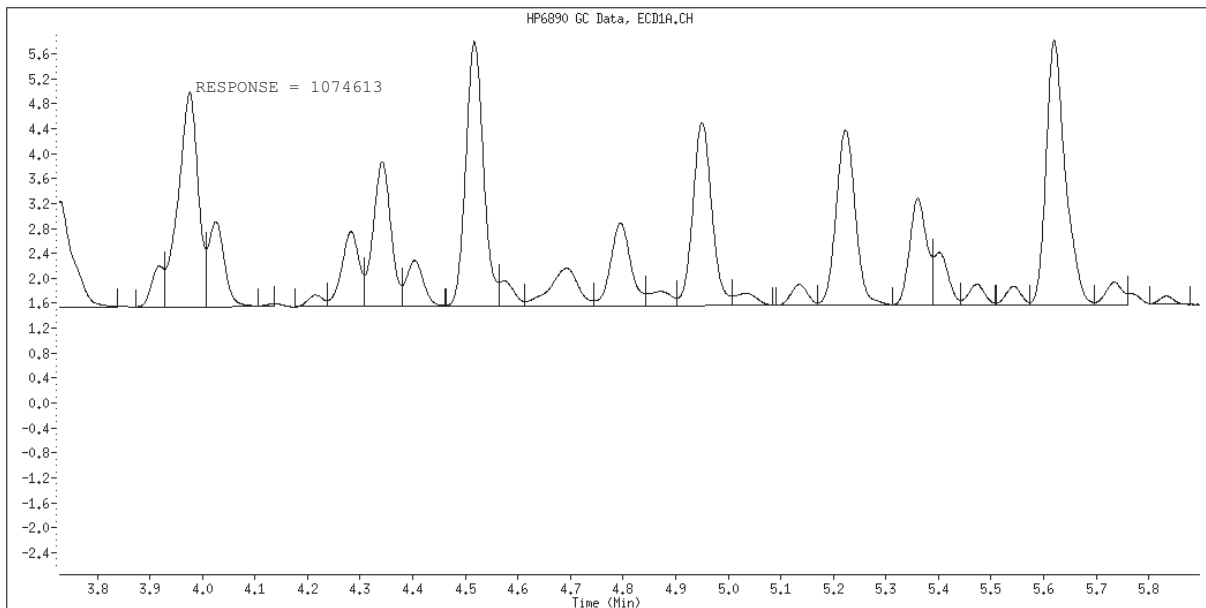
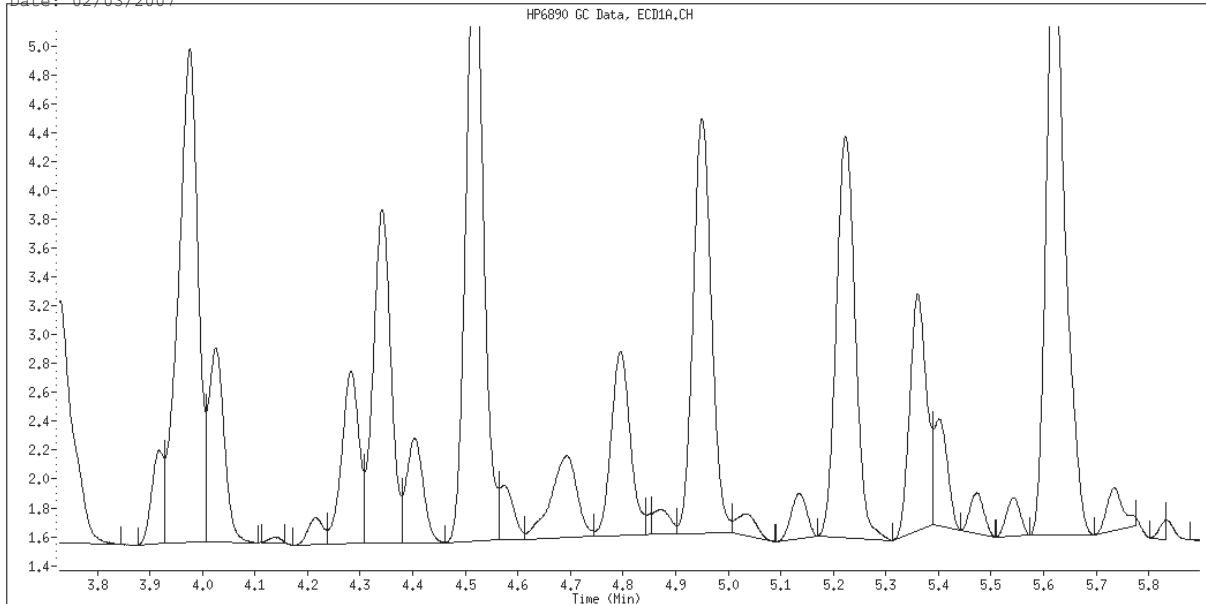
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.1\029F2901.D
Date : 02-FEB-2007 20:04
Client ID:
Sample Info: 2154,1.3
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 029F2901.D
Inj. Date and Time: 02-FEB-2007 20:04
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 02/03/2007



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\030F3001.D
 Report Date: 03-Feb-2007 09:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\030F3001.D
 Lab Smp Id: 2154
 Inj Date : 02-FEB-2007 20:18
 Operator : 402338 Inst ID: B3.i
 Smp Info : 2154,,1,4
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:18 Cal File: 030F3001.D
 Als bottle: 30 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-AR2154.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
7 AROCLOR-1254				CAS #: 11097-69-1			
3.975	3.975	0.000	1806039 1.00000	0.9970	80.00- 120.00	100.00 (M)	
4.515	4.515	0.000	2018083 1.00000	0.9963	83.81- 139.68	111.74	
4.948	4.948	0.000	1496152 1.00000	1.014	62.13- 103.55	82.84	
5.221	5.221	0.000	1428330 1.00000	1.001	59.31- 98.86	79.09	
5.619	5.619	0.000	2185877 1.00000	1.014	90.77- 151.29	121.03	
Average of Peak Amounts =				1.00446			

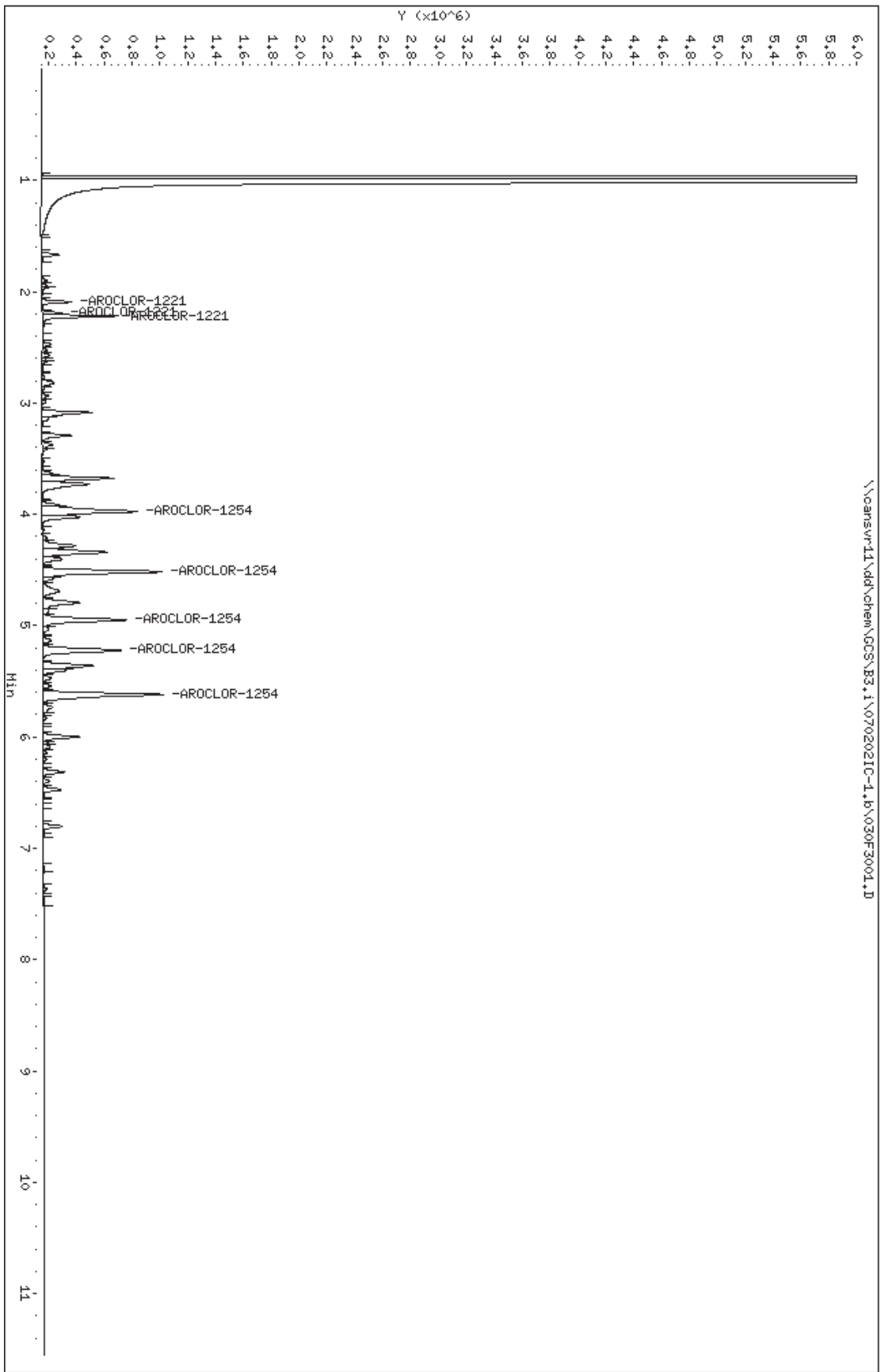
2 AROCLOR-1221				CAS #: 11104-28-2			
2.092	2.092	0.000	308964 1.00000	0.9951	80.00- 120.00	100.00	
2.193	2.193	0.000	163036 1.00000	0.9906	39.58- 65.96	52.77	
2.222	2.222	0.000	800811 1.00000	0.9886	194.39- 323.99	259.19	
Average of Peak Amounts =				0.99143			

QC Flag Legend

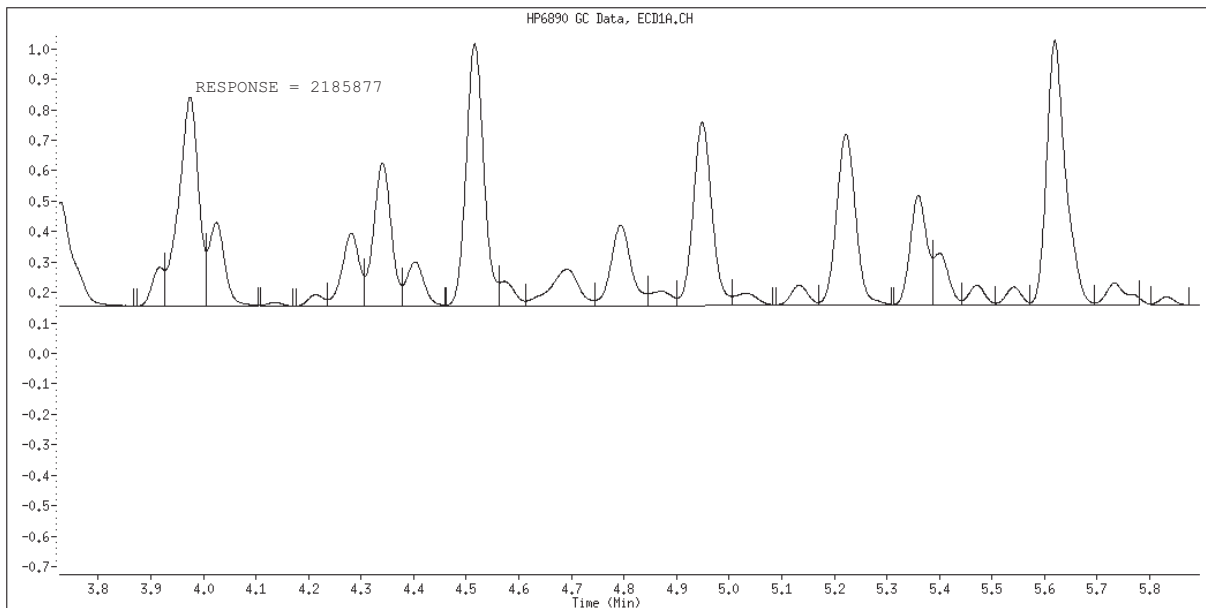
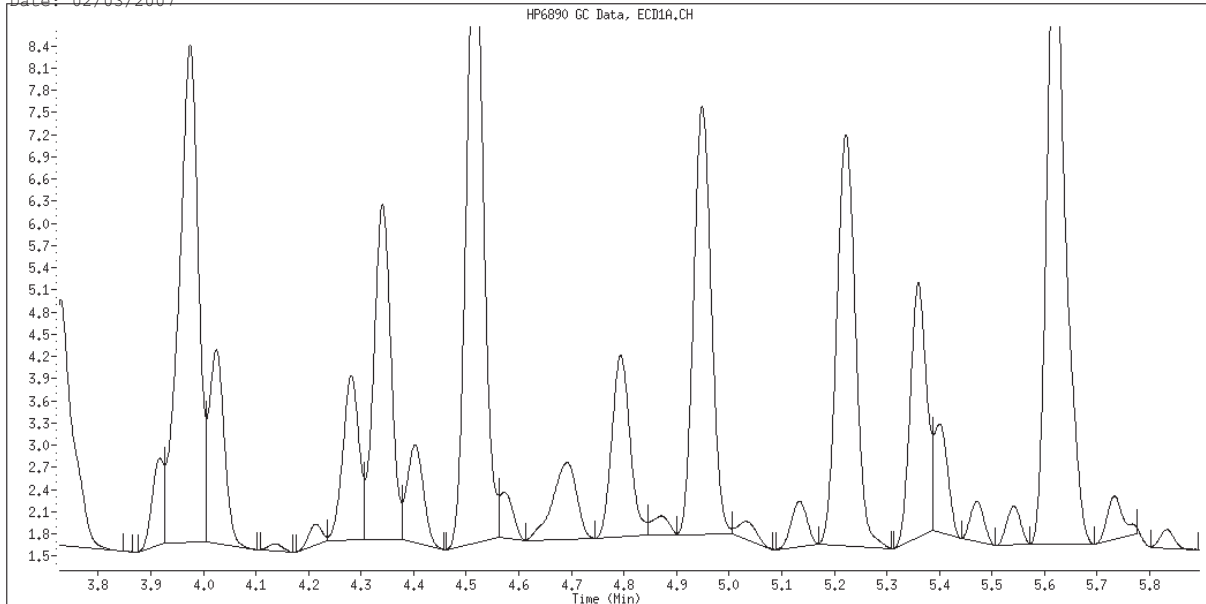
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\030F3001.D
Date : 02-FEB-2007 20:18
Client ID:
Sample Info: 2154,1,4
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 030F3001.D
Inj. Date and Time: 02-FEB-2007 20:18
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 02/03/2007



Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\031F3101.D
Report Date: 03-Feb-2007 09:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\031F3101.D
Lab Smp Id: 2154
Inj Date : 02-FEB-2007 20:33
Operator : 402338 Inst ID: B3.i
Smp Info : 2154,,1,5
Misc Info : 9-AR2154.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 9-AR2154.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
3.974	3.974	0.000	3670389 2.00000	2.014	75.00- 125.00	100.00(M)	
4.515	4.515	0.000	4176312 2.00000	2.052	83.81- 139.68	113.78	
4.947	4.947	0.000	3105629 2.00000	2.076	62.13- 103.55	84.61	
5.221	5.221	0.000	2922290 2.00000	2.038	59.31- 98.86	79.62	
5.618	5.618	0.000	4574743 2.00000	2.112	90.77- 151.29	124.64	
Average of Peak Amounts =				2.05840			

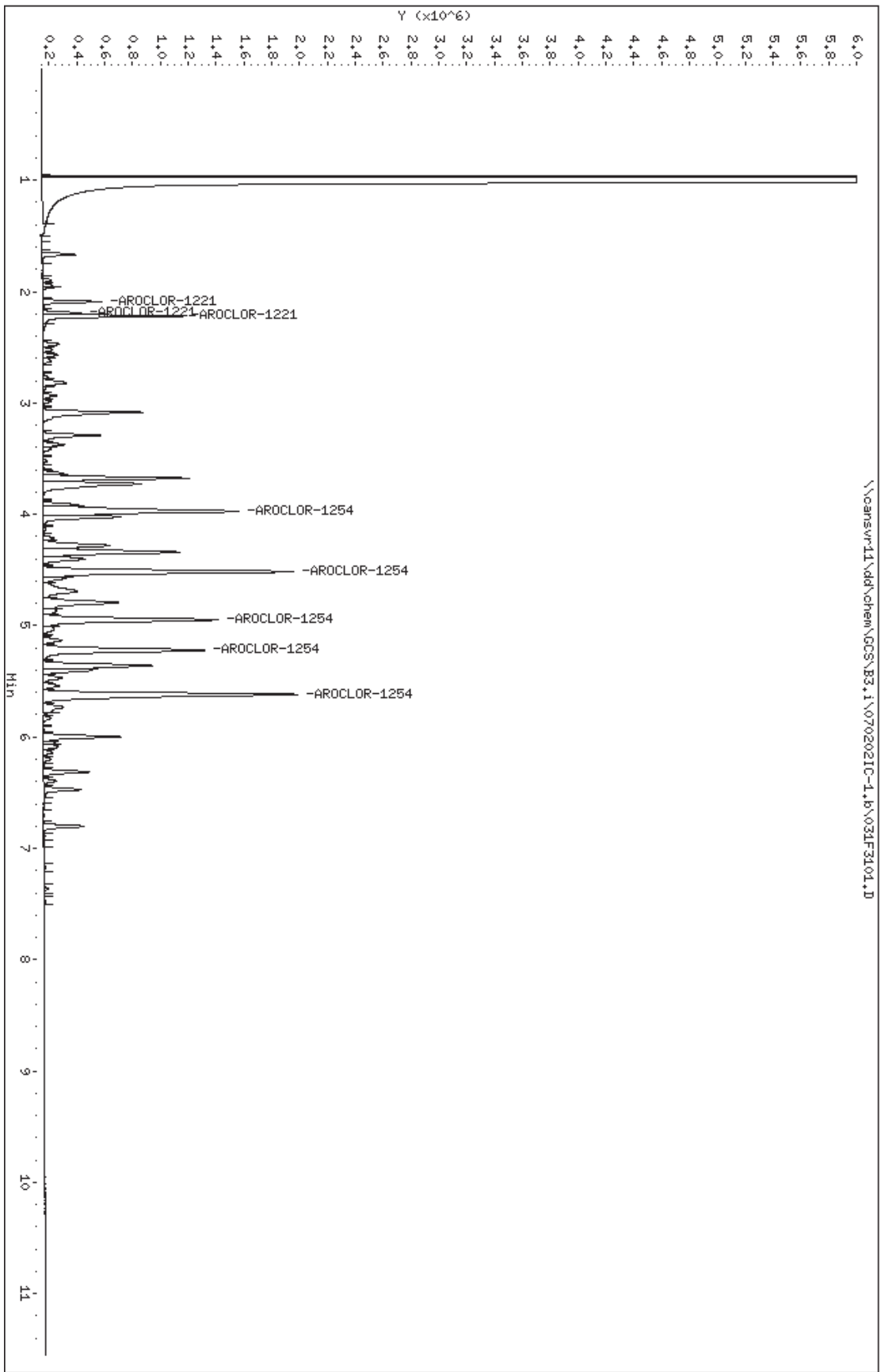
2 AROCLOR-1221				CAS #: 11104-28-2			
2.091	2.091	0.000	616239 2.00000	1.985	75.00- 125.00	100.00(M)	
2.192	2.192	0.000	335354 2.00000	2.027	39.58- 65.96	54.42	
2.220	2.220	0.000	1583069 2.00000	1.950	194.39- 323.99	256.89	
Average of Peak Amounts =				1.98733			

QC Flag Legend

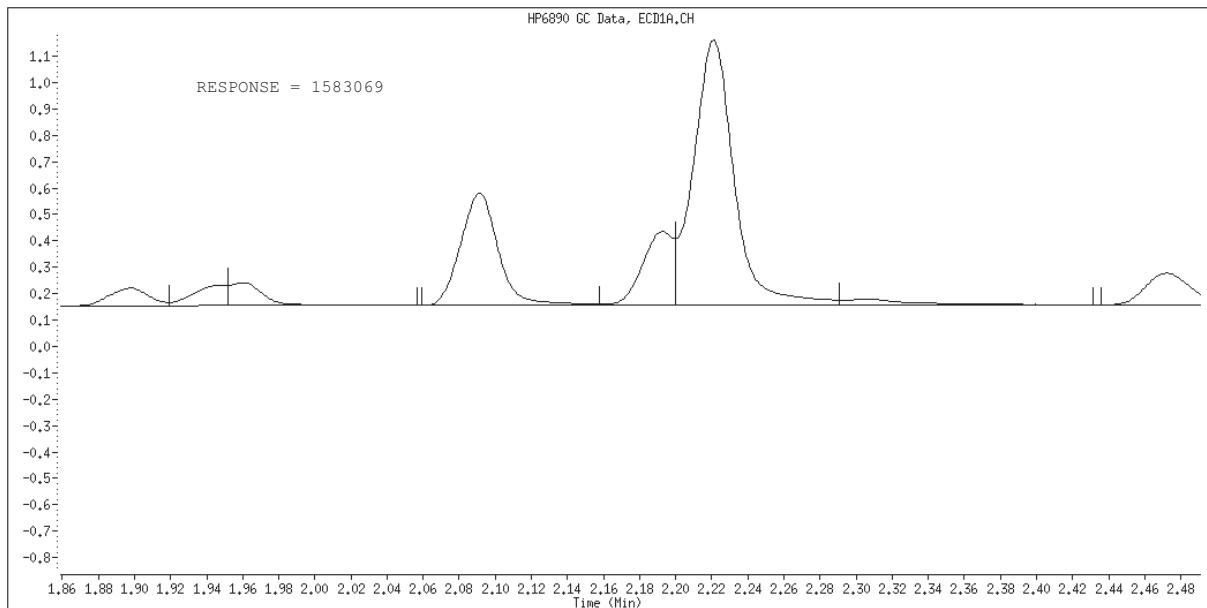
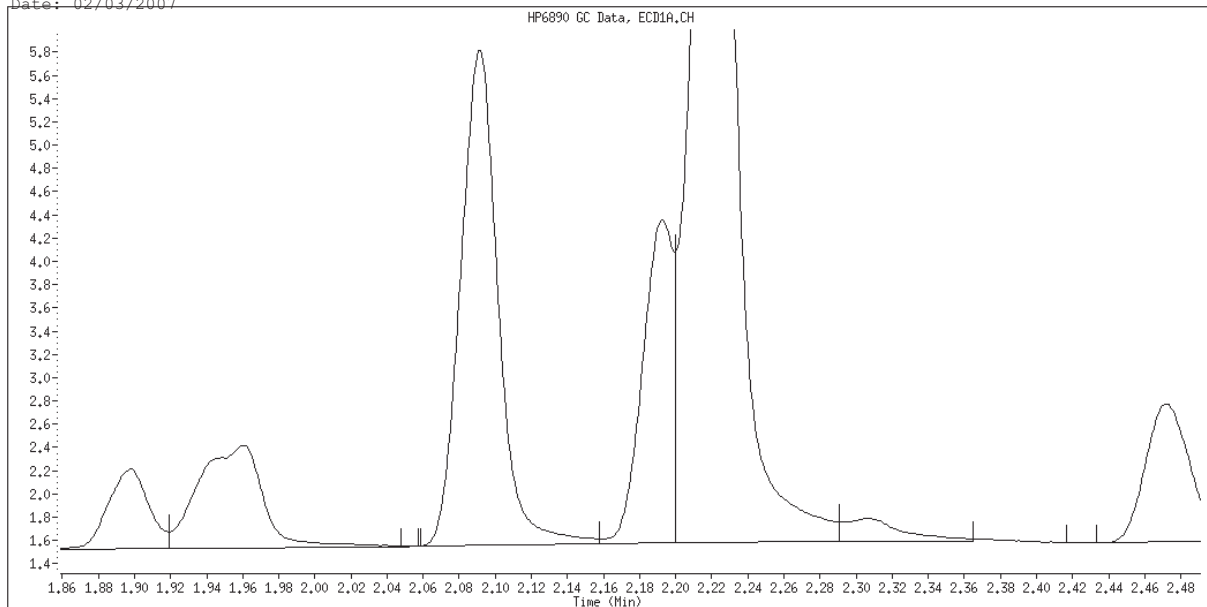
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.b\031F3101.D
Date : 02-FEB-2007 20:33
Client ID:
Sample Info: 2154,1,5
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53

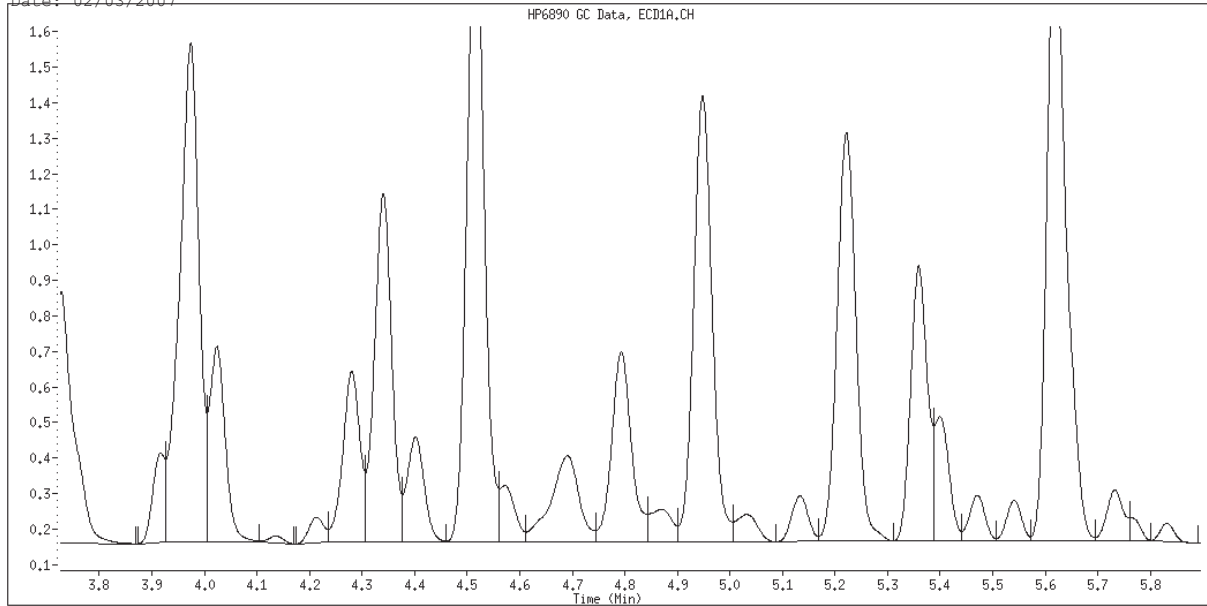


Data File Name: 031F3101.D
Inj. Date and Time: 02-FEB-2007 20:33
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1221
CAS #: 11104-28-2
Report Date: 02/03/2007

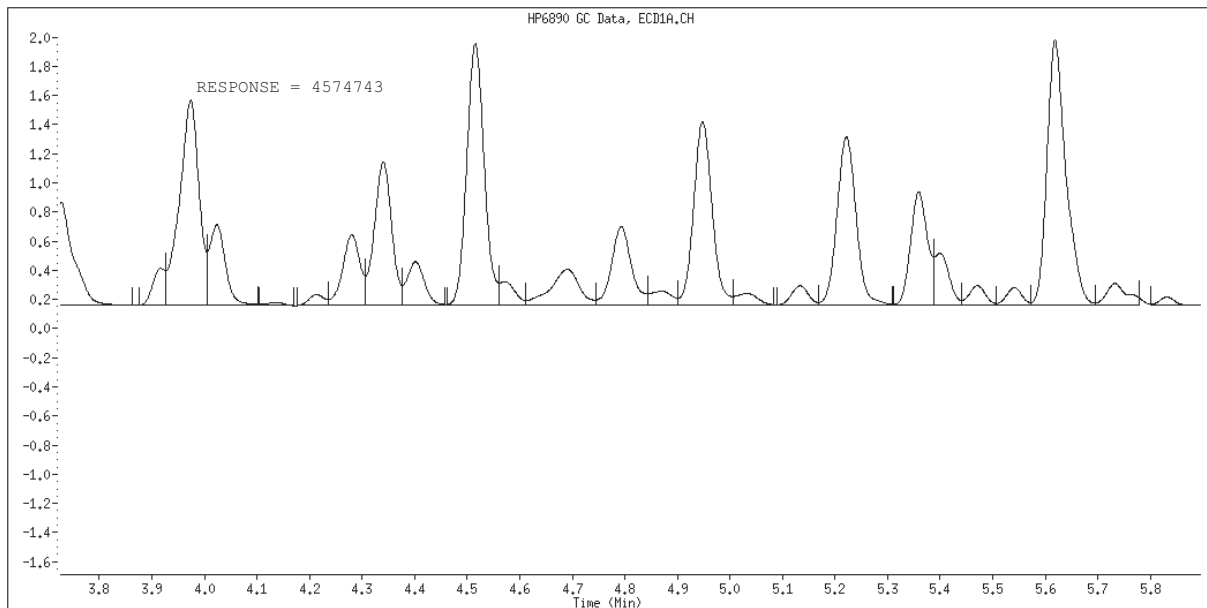


Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File Name: 031F3101.D
Inj. Date and Time: 02-FEB-2007 20:33
Instrument ID: B3.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 02/03/2007



Original Integration



Manual Integration

Data File: \\canpmob1\chem\GCS\B3.i\070202IC-1.b\032F3201.D
 Report Date: 03-Feb-2007 09:26

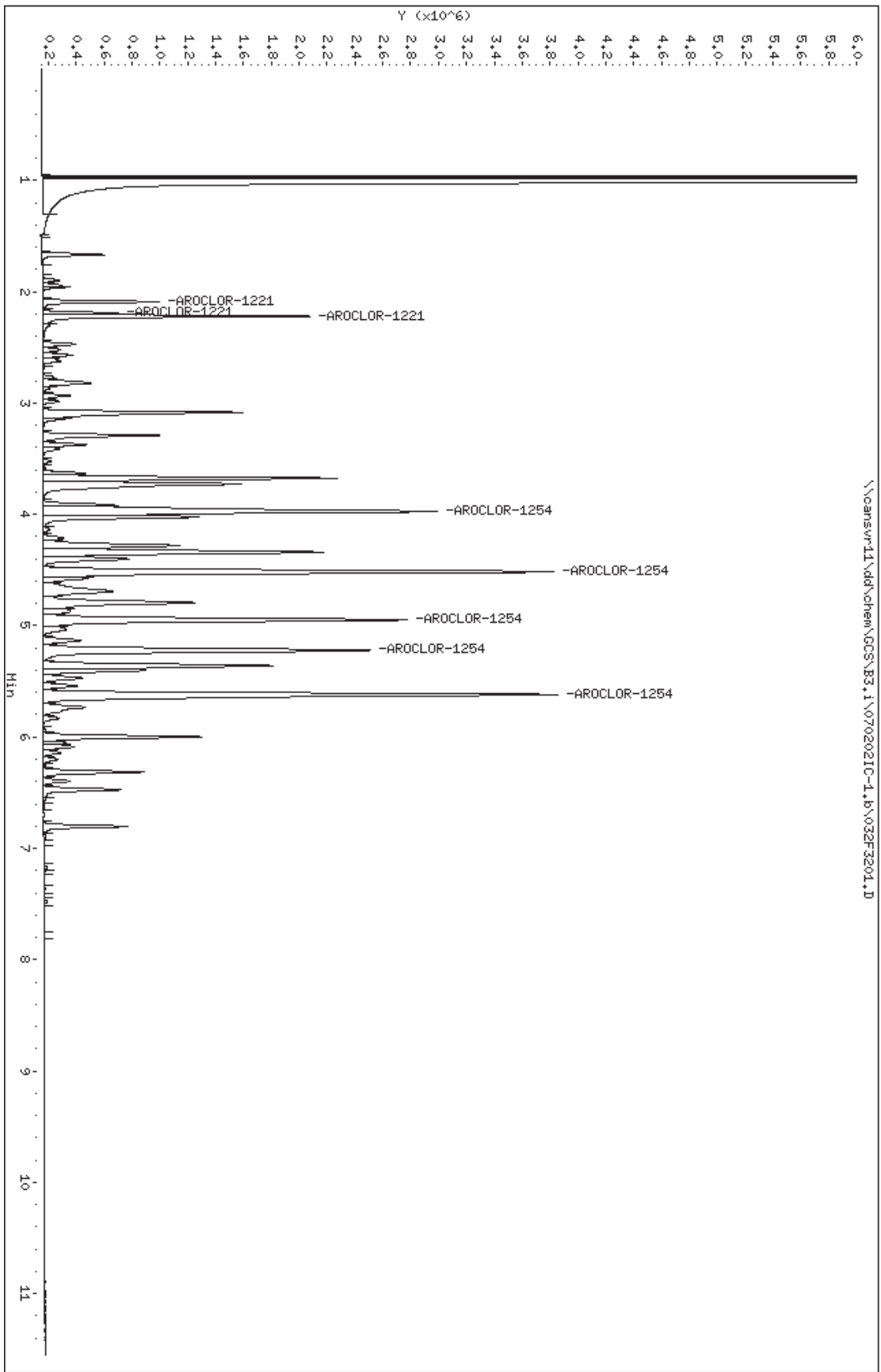
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\032F3201.D
 Lab Smp Id: 2154
 Inj Date : 02-FEB-2007 20:47
 Operator : 402338 Inst ID: B3.i
 Smp Info : 2154,,1,6
 Misc Info : 9-AR2154.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070202IC-1.b\B3PCBF.m
 Meth Date : 03-Feb-2007 09:26 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:47 Cal File: 032F3201.D
 Als bottle: 32 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-AR2154.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
7 AROCLOR-1254				CAS #: 11097-69-1			
3.974	3.974	0.000	7417174 4.00000	4.116	75.00- 125.00	100.00	
4.515	4.515	0.000	8485102 4.00000	4.318	83.71- 139.51	114.40	
4.947	4.947	0.000	6332183 4.00000	4.550	59.19- 98.66	85.37	
5.221	5.221	0.000	5930745 4.00000	4.205	58.57- 97.61	79.96	
5.619	5.619	0.000	9338081 4.00000	4.375	90.35- 150.58	125.90	
Average of Peak Amounts =				4.31280			

2 AROCLOR-1221				CAS #: 11104-28-2			
2.091	2.091	0.000	1222480 4.00000	3.937	75.00- 125.00	100.00	
2.192	2.192	0.000	632334 4.00000	3.842	39.58- 65.96	51.73	
2.221	2.221	0.000	3012748 4.00000	3.719	194.39- 323.99	246.45	
Average of Peak Amounts =				3.83267			

Data File: \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.1\032F3201.D
 Date: 02-FEB-2007 20:47
 Client ID:
 Sample Info: 2154,1.6
 Instrument: B3.i
 Operator: 402338
 Column diameter: 0.53
 Column phase: restek pest c1p1
 \\cansvr11\dd\chem\GCS\B3.1\0702021C-1.1\032F3201.D



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON

Contract:

Lab Code: STLCAN

Case No.:

SAS No.:

SDG No.: A7B200269

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/02/07 02/02/07

Instrument ID: B3

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
S1 : 2.00		S2 : 8.00				
CLIENT	LAB	DATE	TIME	S1	S2	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT #
01		02/20/07	2109	2.00		7.99
02	JPQJNBLK	02/20/07	2123	2.00		8.00
03	JPQJNCHK	02/20/07	2137	2.00		8.00
04	JPQJNCKDUP	02/20/07	2151	2.00		8.00
05	S-389-022007	02/20/07	2205	2.00		8.00
06	SE-389-02200	02/20/07	2219	2.00		8.00
07	SE-389-02200	02/20/07	2233	2.00		8.00
08	SE-389-02200	02/20/07	2248	2.00		8.00
09	1660	02/20/07	2330	2.00		8.00
10						
11						
12						
13						
14						
15						
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31						
32						

QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

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

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
Start Cal Date: 02-FEB-2007 13:31
End Cal Date : 02-FEB-2007 20:47
Last Cal Level: 5
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
02-FEB-2007 19:35	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\027F2701.D
02-FEB-2007 18:08	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\021F2101.D
02-FEB-2007 16:40	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\015F1501.D
02-FEB-2007 15:13	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\009F0901.D
02-FEB-2007 13:31	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
02-FEB-2007 19:49	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\028F2801.D
02-FEB-2007 18:22	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\022F2201.D
02-FEB-2007 16:55	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\016F1601.D
02-FEB-2007 15:27	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\010F1001.D
02-FEB-2007 13:46	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
02-FEB-2007 20:04	9-AR2154	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\029F2901.D
02-FEB-2007 18:37	3-AR1248	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\023F2301.D
02-FEB-2007 17:09	2-AR1242	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\017F1701.D
02-FEB-2007 15:42	1-AR1232	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\011F1101.D
02-FEB-2007 14:00	12-ar1660td	\\canpmobl\chem\GCS\B3.i\070202IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		

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02-FEB-2007 20:18 |9-AR2154 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\030F3001.D
02-FEB-2007 18:51 |3-AR1248 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\024F2401.D
02-FEB-2007 17:24 |2-AR1242 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\018F1801.D
02-FEB-2007 15:57 |1-AR1232 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\012F1201.D
02-FEB-2007 14:15 |12-ar1660td |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\005F0501.D
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Cal Level: 5 , Cal Amount: 2.00000

```
02-FEB-2007 20:33 |9-AR2154 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\031F3101.D
02-FEB-2007 19:06 |3-AR1248 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\025F2501.D
02-FEB-2007 17:38 |2-AR1242 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\019F1901.D
02-FEB-2007 16:11 |1-AR1232 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\013F1301.D
02-FEB-2007 14:30 |12-ar1660td |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\006F0601.D
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Cal Level: 6 , Cal Amount: 4.00000

```
02-FEB-2007 20:47 |9-AR2154 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\032F3201.D
02-FEB-2007 19:20 |3-AR1248 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\026F2601.D
02-FEB-2007 17:53 |2-AR1242 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\020F2001.D
02-FEB-2007 16:26 |1-AR1232 |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\014F1401.D
02-FEB-2007 14:44 |12-ar1660td |
\\canpmobl\chem\GCS\B3.i\070202IC-1.b\007F0701.D
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Continuing Calibration

Cal Level Mode: GLOBAL LEVEL 4

```
20-FEB-2007 23:30 |12-AR1660TD |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\016F1601.D
20-FEB-2007 21:09 |12-AR1660TD |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\006F0601.D
20-FEB-2007 20:55 |9-AR2154 |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\005F0501.D
20-FEB-2007 20:40 |3-AR1248 |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\004F0401.D
20-FEB-2007 20:26 |2-AR1242 |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\003F0301.D
20-FEB-2007 20:11 |1-AR1232 |
\\canpmobl\chem\GCS\B3.i\070220P3-1.b\002F0201.D
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Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\006F0601.D
 Report Date: 21-Feb-2007 08:11

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B3.i Injection Date: 20-FEB-2007 21:09
 Lab File ID: 006F0601.D Init. Cal. Date(s): 02-FEB-2007 02-FEB-2007
 Analysis Type: Init. Cal. Times: 13:31 20:47
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	29905005	29557420	0.010	1.16230	15.00000		Averaged
3 AROCLOR-1016 (1)	516075	454683	0.010	11.89587	15.00000		Averaged
(2)	1072418	1013746	0.010	5.47103	15.00000		Averaged
(3)	2306374	2203062	0.010	4.47942	15.00000		Averaged
(4)	947495	904746	0.010	4.51175	15.00000		Averaged
(5)	937890	858279	0.010	8.48831	15.00000		Averaged
8 AROCLOR-1260 (1)	1433694	1370355	0.010	4.41787	15.00000		Averaged
(2)	2340840	2245659	0.010	4.06609	15.00000		Averaged
(3)	2702650	2655161	0.010	1.75711	15.00000		Averaged
(4)	3094733	3059899	0.010	1.12559	15.00000		Averaged
(5)	1809561	1757245	0.010	2.89108	15.00000		Averaged
9 DCB	34450325	32200770	0.010	6.52985	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\006F0601.D
 Report Date: 21-Feb-2007 08:11

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\006F0601.D
 Lab Smp Id: 1660
 Inj Date : 20-FEB-2007 21:09
 Operator : 402338 Inst ID: B3.i
 Smp Info : 1660,,2
 Misc Info : 12-AR1660TD.SUB
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 6 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
1.999	1.999	0.000	2955742	0.10000	0.09884		

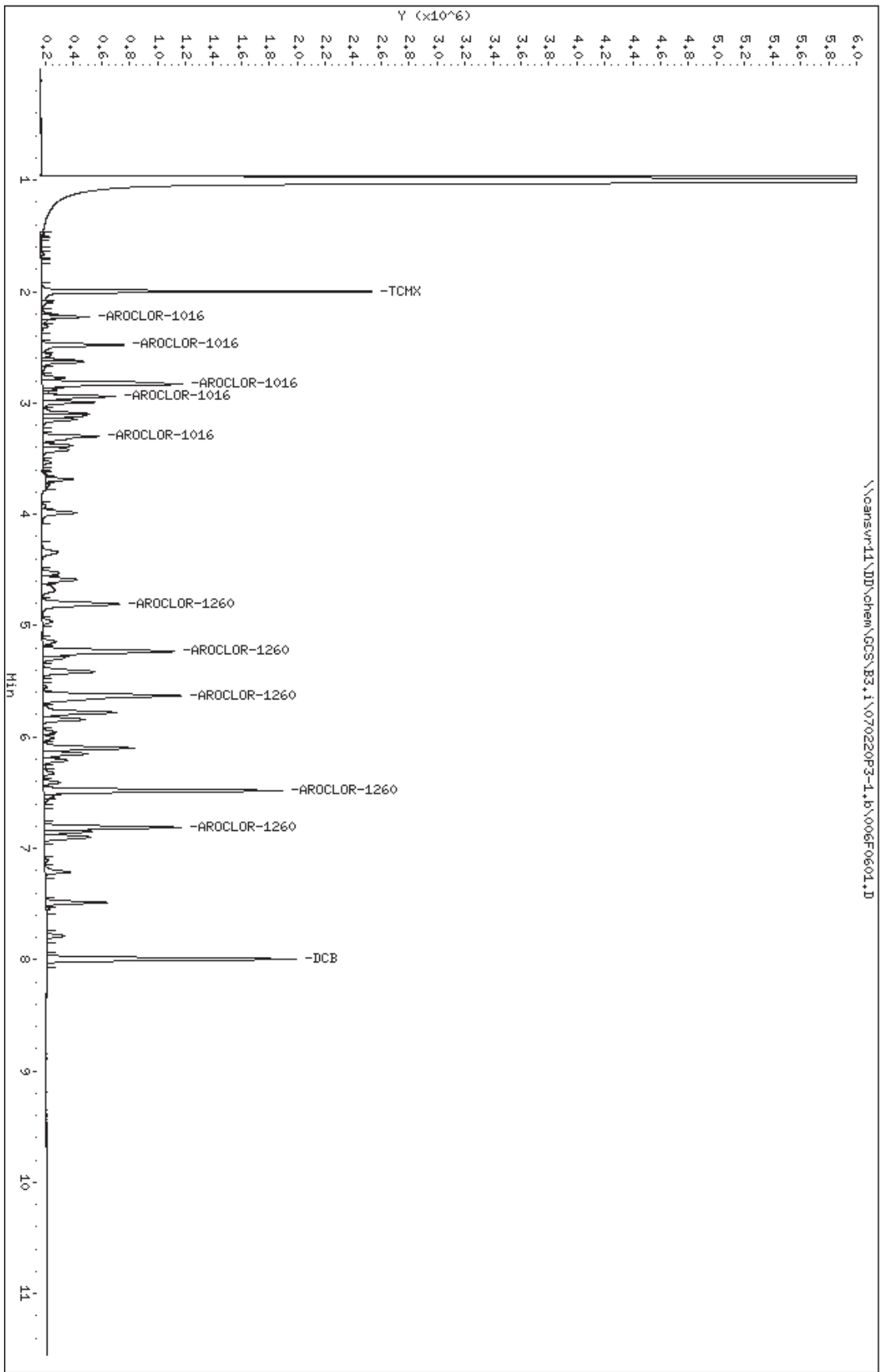
3	AROCLOR-1016				CAS #: 12674-11-2		
2.228	2.228	0.000	454683	1.00000	0.8810	80.00-	120.00
2.478	2.478	0.000	1013746	1.00000	0.9453	167.22-	278.70
2.831	2.831	0.000	2203062	1.00000	0.9552	363.40-	605.66
2.941	2.941	0.000	904746	1.00000	0.9549	149.24-	248.73
3.300	3.300	0.000	858279	1.00000	0.9151	141.57-	235.96
Average of Peak Amounts =			0.93030				

8	AROCLOR-1260				CAS #: 11096-82-5		
4.807	4.807	0.000	1370355	1.00000	0.9558	80.00-	120.00
5.232	5.232	0.000	2245659	1.00000	0.9593	122.91-	204.84
5.629	5.629	0.000	2655161	1.00000	0.9824	145.32-	242.20
6.482	6.482	0.000	3059899	1.00000	0.9887	167.47-	279.12
6.812	6.812	0.000	1757245	1.00000	0.9711	96.17-	160.29
Average of Peak Amounts =			0.97146				

\$ 9	DCB				CAS #: 2051-24-3		
7.994	7.994	0.000	3220077	0.10000	0.09347		

Data File: \\cansvr11\DD\chem\GCS\B3.1\070220P3-1.b\006F0601.D
Date: 20-FEB-2007 21:09
Client ID:
Sample Info: 1660,,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\016F1601.D
 Report Date: 21-Feb-2007 08:11

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B3.i Injection Date: 20-FEB-2007 23:30
 Lab File ID: 016F1601.D Init. Cal. Date(s): 02-FEB-2007 02-FEB-2007
 Analysis Type: Init. Cal. Times: 13:31 20:47
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	29905005	28495070	0.010	4.71471	15.00000		Averaged
3 AROCLOR-1016 (1)	516075	425120	0.010	17.62431	15.00000		Averaged|<-
(2)	1072418	985347	0.010	8.11915	15.00000		Averaged
(3)	2306374	2144164	0.010	7.03313	15.00000		Averaged
(4)	947495	890324	0.010	6.03387	15.00000		Averaged
(5)	937890	865209	0.010	7.74942	15.00000		Averaged
8 AROCLOR-1260 (1)	1433694	1341901	0.010	6.40253	15.00000		Averaged
(2)	2340840	2177595	0.010	6.97377	15.00000		Averaged
(3)	2702650	2565783	0.010	5.06416	15.00000		Averaged
(4)	3094733	2936491	0.010	5.11327	15.00000		Averaged
(5)	1809561	1674628	0.010	7.45667	15.00000		Averaged
9 DCB	34450325	30816740	0.010	10.54732	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\016F1601.D
Report Date: 21-Feb-2007 08:11

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\016F1601.D
Lab Smp Id: 1660
Inj Date : 20-FEB-2007 23:30
Operator : 402338 Inst ID: B3.i
Smp Info : 1660,,2
Misc Info : 12-AR1660TD.SUB
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.003	2.003	0.000	2849507	0.10000	0.09528		

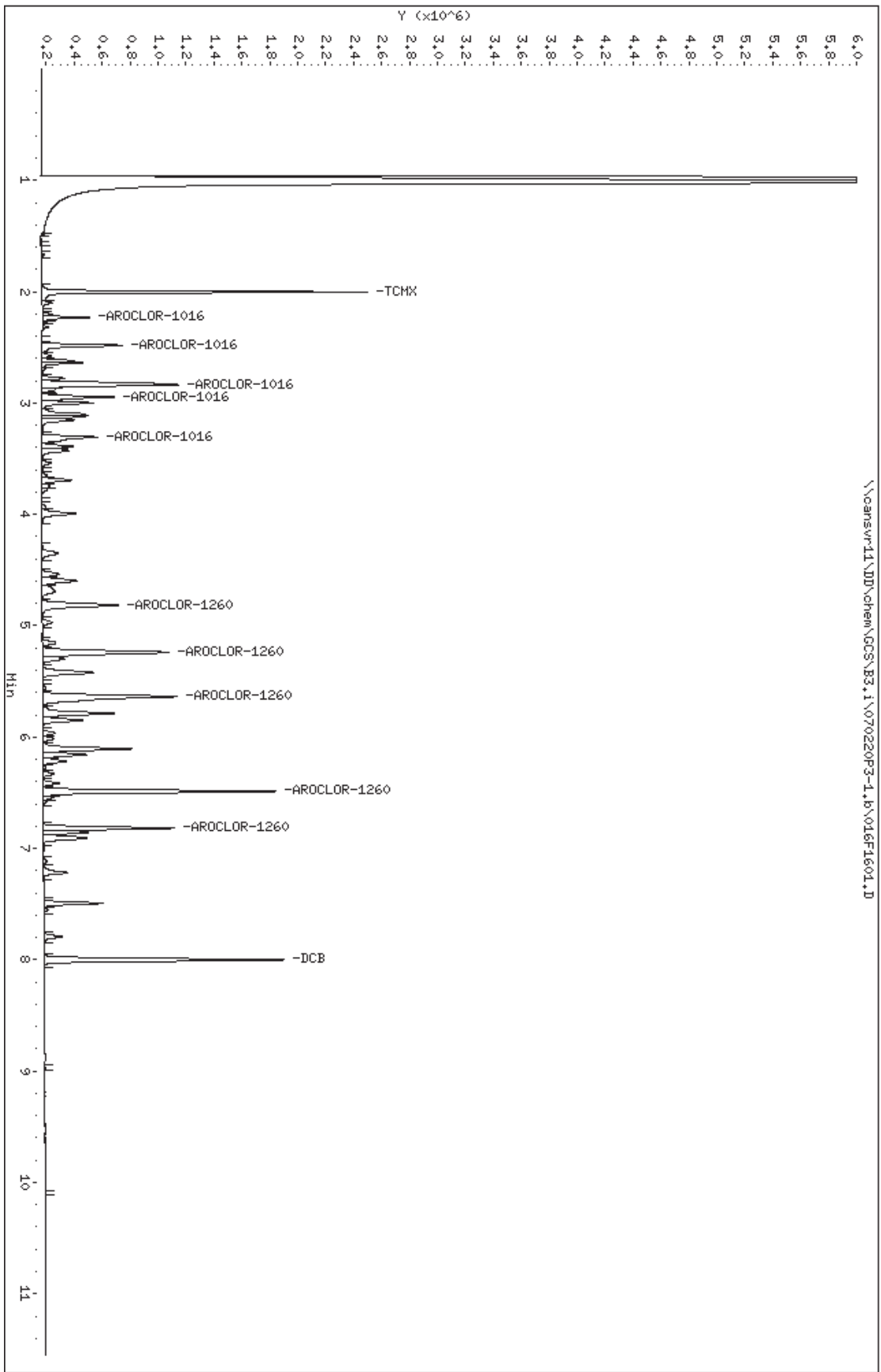
3 AROCLOR-1016 CAS #: 12674-11-2							
2.232	2.232	0.000	425120	1.00000	0.8238	80.00-	120.00
2.482	2.482	0.000	985347	1.00000	0.9188	173.84-	289.73
2.836	2.836	0.000	2144164	1.00000	0.9297	378.28-	630.46
2.946	2.946	0.000	890324	1.00000	0.9397	157.07-	261.79
3.306	3.306	0.000	865209	1.00000	0.9225	152.64-	254.40
Average of Peak Amounts =				0.90690			

8 AROCLOR-1260 CAS #: 11096-82-5							
4.816	4.816	0.000	1341901	1.00000	0.9360	80.00-	120.00
5.239	5.239	0.000	2177595	1.00000	0.9303	121.71-	202.85
5.636	5.636	0.000	2565783	1.00000	0.9494	143.40-	239.01
6.488	6.488	0.000	2936491	1.00000	0.9489	164.12-	273.54
6.818	6.818	0.000	1674628	1.00000	0.9254	93.60-	155.99
Average of Peak Amounts =				0.93800			

\$ 9 DCB CAS #: 2051-24-3							
8.001	8.001	0.000	3081674	0.10000	0.08945		

Data File: \\cansvr11\DD\chem\GCS\B3.1\070220P3-1.b\016F1601.D
Date: 20-FEB-2007 23:30
Client ID:
Sample Info: 1660,,2
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



RAW QC DATA

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: A7B200269 Work Order #....: JPQJN1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7B200000-450 JPQJN1AD-LCSD
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	330	220	ug/kg	65		SW846 PCBs (8082)
	330	220	ug/kg	67	3.4	SW846 PCBs (8082)
Aroclor 1260	330	230	ug/kg	70		SW846 PCBs (8082)
	330	250	ug/kg	75	6.3	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	72	(10 - 127)
	70	(10 - 127)
Decachlorobiphenyl	88	(40 - 138)
	87	(40 - 138)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: A7B200269 Work Order #....: JPQJN1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7B200000-450 JPQJN1AD-LCSD
 Prep Date.....: 02/20/07 Analysis Date...: 02/20/07
 Prep Batch #....: 7051450
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	65	(41 - 130)			SW846 PCBs (8082)
	67	(41 - 130)	3.4	(0-30)	SW846 PCBs (8082)
Aroclor 1260	70	(42 - 130)			SW846 PCBs (8082)
	75	(42 - 130)	6.3	(0-30)	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	72	(10 - 127)
	70	(10 - 127)
Decachlorobiphenyl	88	(40 - 138)
	87	(40 - 138)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\008F0801.D
 Report Date: 21-Feb-2007 08:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\008F0801.D
 Lab Smp Id: JPQJN1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 20-FEB-2007 21:37
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQJN1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 8 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

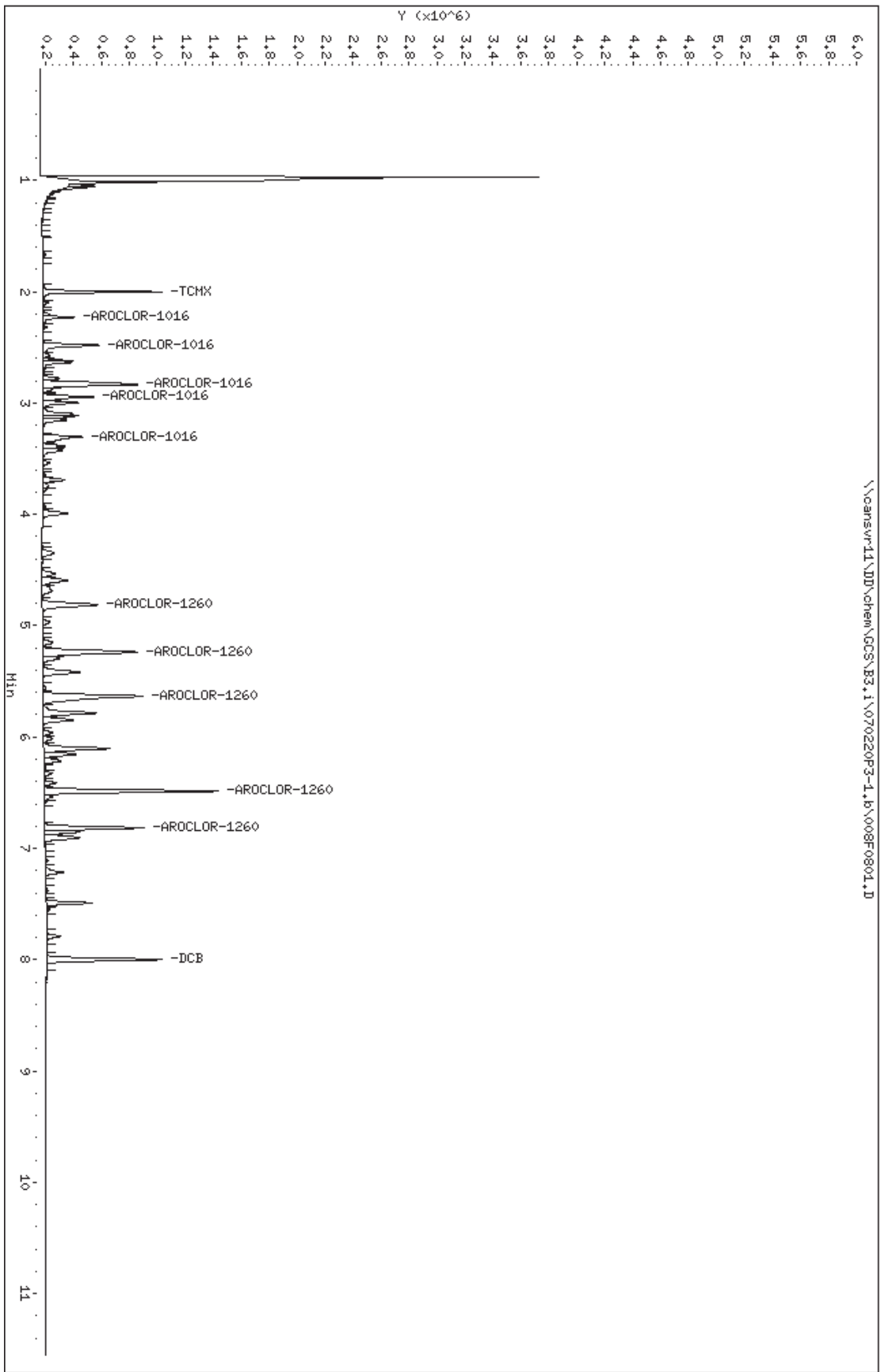
Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
S 1 TCMX				CAS #: 877-09-8			
2.001	2.003	-0.002		1070690	0.03580	11.93	
3 AROCLOR-1016				CAS #: 12674-11-2			
2.230	2.232	-0.002		314196	0.60882	202.9 80.00- 120.00	100.00
2.480	2.482	-0.002		713455	0.66528	221.8 173.84- 289.73	227.07
2.835	2.836	-0.001		1489382	0.64577	215.2 378.28- 630.46	474.03
2.945	2.946	-0.001		623680	0.65824	219.4 157.07- 261.79	198.50
3.304	3.306	-0.002		609470	0.64983	216.6 152.64- 254.40	193.98
Average of Peak Concentrations =					215.2		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.812	4.816	-0.004		986997	0.68843	229.5 80.00- 120.00	100.00
5.236	5.239	-0.003		1635676	0.69876	232.9 121.71- 202.85	165.72
5.634	5.636	-0.002		1897664	0.70215	234.0 143.40- 239.01	192.27
6.486	6.488	-0.002		2197395	0.71004	236.7 164.12- 273.54	222.63
6.815	6.818	-0.003		1273482	0.70375	234.6 93.60- 155.99	129.03
Average of Peak Concentrations =					233.5		

\$ 9 DCB CAS #: 2051-24-3
7.998 8.001 -0.003 1516735 0.04403 14.68

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.6\008F0801.D
Date : 20-FEB-2007 21:37
Client ID: INTRA-LAB CHECK
Sample Info: JFQJNDAC.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\008F0801.D
 Report Date: 21-Feb-2007 08:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\008F0801.D
 Lab Smp Id: JPQJN1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 20-FEB-2007 21:37
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQJN1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 8 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.968	5308129	3512637	0.662	52.360	
1.048	157672	172586	1.095	0.980	
1.062	163044	153867	0.944	0.874	
1.123	31474	27519	0.874	0.156	
1.180	11329	9938	0.877	0.056	
1.266	3899	3022	0.775	0.017	
1.365	9237	6024	0.652	0.034	
1.423	3683	3012	0.818	0.017	
1.510	2909	3272	1.125	0.018	
1.668	29911	23959	0.801	0.136	
1.733	7179	4139	0.577	0.023	
2.002	1070691	854458	0.798	4.853	\$ 1 TCMX
2.100	59138	40275	0.681	0.228	
2.202	46763	42632	0.912	0.242	
2.318	37927	27818	0.733	0.158	
2.573	82806	48820	0.590	0.277	
2.619	169763	161320	0.950	0.916	
2.637	283199	200668	0.709	1.139	
2.686	28619	15035	0.525	0.085	
2.736	8888	6898	0.776	0.039	
2.777	175258	111084	0.634	0.631	
2.877	112206	71557	0.638	0.406	
2.910	26459	30140	1.139	0.171	
2.998	408290	256687	0.629	1.458	
3.097	335149	219300	0.654	1.245	

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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\008F0801.D
 Report Date: 21-Feb-2007 08:50

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.118	326820	221201	0.677	1.256	
3.153	307874	169434	0.550	0.962	
3.388	262146	155573	0.593	0.883	
3.426	299910	136009	0.453	0.772	
3.538	99631	50842	0.510	0.288	
3.594	4590	3603	0.785	0.020	
3.647	36837	23871	0.648	0.135	
3.691	287580	158042	0.550	0.897	
3.742	83717	42642	0.509	0.242	
3.772	50319	30545	0.607	0.173	
3.931	39655	22562	0.569	0.128	
3.991	404957	180508	0.446	1.025	
4.297	5890	6065	1.030	0.034	
4.347	220075	84874	0.386	0.482	
4.533	202835	91066	0.449	0.517	
4.593	432046	181737	0.421	1.032	
4.689	258664	68775	0.266	0.390	
4.968	111140	50041	0.450	0.284	
5.048	7122	3322	0.466	0.018	
5.152	161607	72207	0.447	0.410	
5.293	242166	116268	0.480	0.660	
5.418	644103	270601	0.420	1.537	
5.556	38924	20486	0.526	0.116	
5.785	820157	384421	0.469	2.183	
5.847	430110	216885	0.504	1.232	
5.962	130645	68114	0.521	0.386	
6.014	128617	59644	0.464	0.338	
6.104	933788	474688	0.508	2.696	
6.156	445466	232310	0.521	1.319	
6.215	257839	125410	0.486	0.712	
6.270	28281	12630	0.447	0.071	
6.328	107797	56573	0.525	0.321	
6.413	151728	84721	0.558	0.481	
6.538	97655	56312	0.577	0.319	
6.573	32423	22280	0.687	0.126	
6.853	380038	249562	0.657	1.417	
6.903	565628	250256	0.442	1.421	
6.992	13915	6275	0.451	0.035	
7.112	34342	19862	0.578	0.112	
7.216	262693	132755	0.505	0.754	
7.375	23074	12724	0.551	0.072	
7.491	526927	324910	0.617	1.845	
7.548	36604	19580	0.535	0.111	
7.790	173989	96187	0.553	0.546	
7.998	1516736	831432	0.548	4.723	\$ 9 DCB
	31942083	17603492		100.000	

Total unknown % height = 90.42

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
 Report Date: 21-Feb-2007 08:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
 Lab Smp Id: JPQJN1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 20-FEB-2007 21:51
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQJN1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 9 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1 TCMX				CAS #: 877-09-8			
2.001	2.003	-0.002		1049120 0.03508	11.69		(M)
3 AROCLOR-1016				CAS #: 12674-11-2			
2.230	2.232	-0.002		327784 0.63515	211.7	80.00- 120.00	100.00 (M)
2.480	2.482	-0.002		704845 0.65725	219.1	173.84- 289.73	215.03
2.834	2.836	-0.002		1554735 0.67410	224.7	378.28- 630.46	474.32
2.943	2.946	-0.003		651157 0.68724	229.1	157.07- 261.79	198.65
3.303	3.306	-0.003		642499 0.68505	228.3	152.64- 254.40	196.01
Average of Peak Concentrations =					222.6		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.811	4.816	-0.005		1046637 0.73003	243.3	80.00- 120.00	100.00
5.235	5.239	-0.004		1733615 0.74060	246.9	121.71- 202.85	165.64
5.633	5.636	-0.003		2028918 0.75071	250.2	143.40- 239.01	193.85
6.485	6.488	-0.003		2355501 0.76113	253.7	164.12- 273.54	225.05
6.816	6.818	-0.002		1351854 0.74706	249.0	93.60- 155.99	129.16
Average of Peak Concentrations =					248.6		

\$ 9 DCB CAS #: 2051-24-3
7.998 8.001 -0.003 1504266 0.04366 14.55

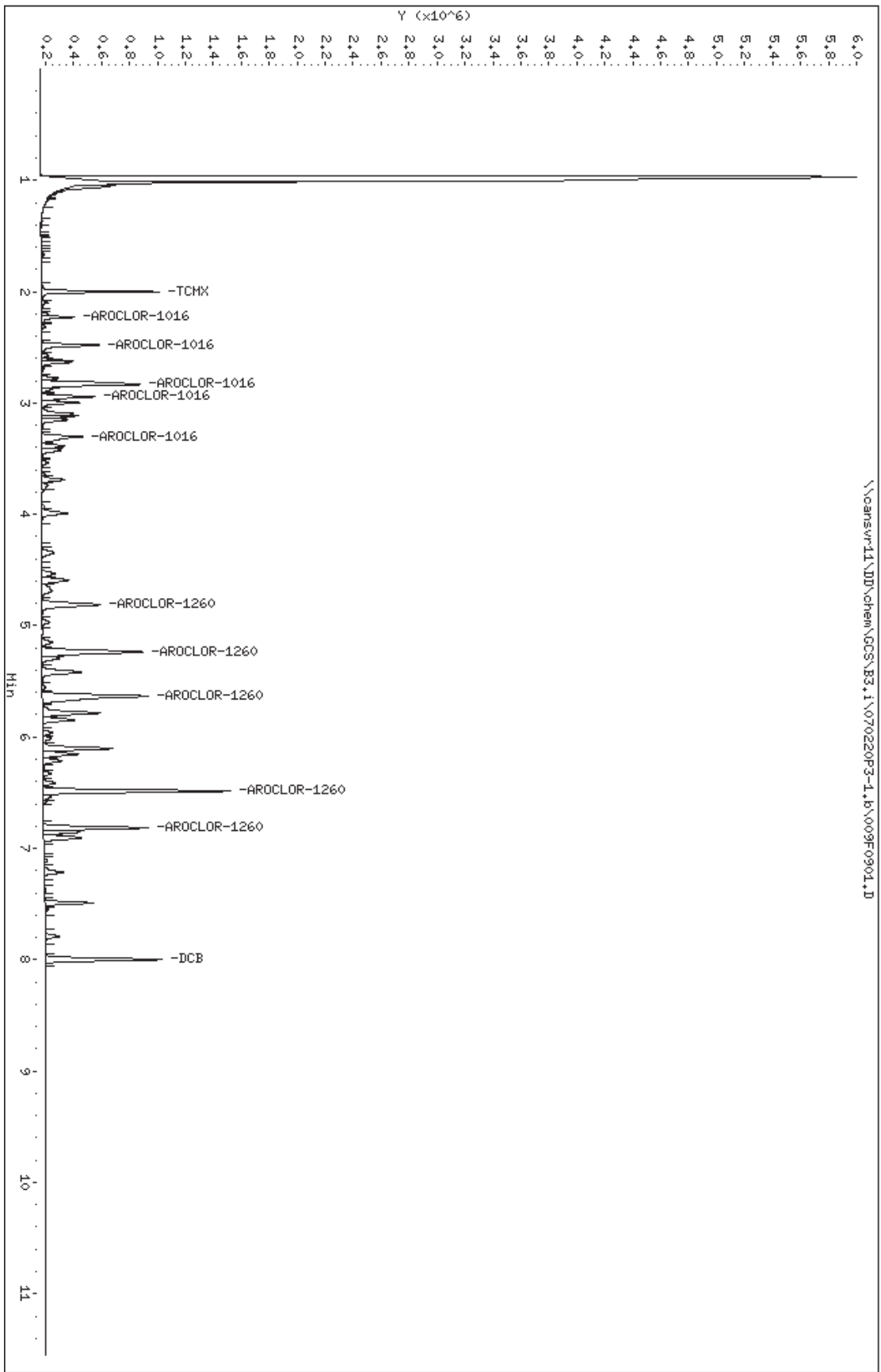
Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
Report Date: 21-Feb-2007 08:53

QC Flag Legend

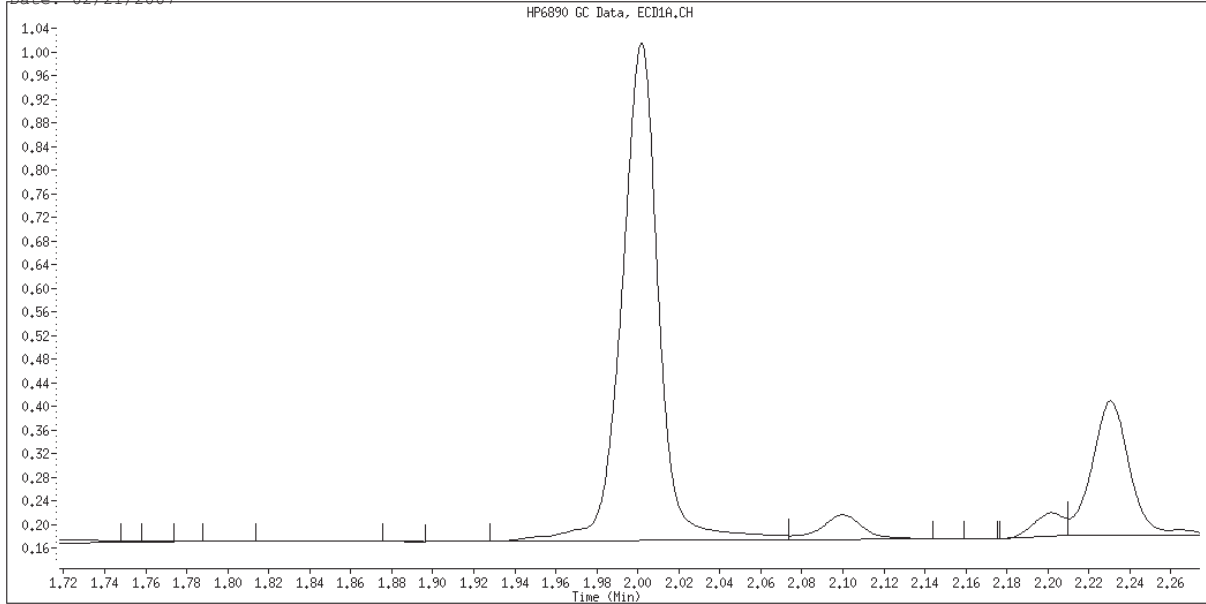
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.6\009F0901.D
Date : 20-FEB-2007 21:51
Client ID: INTRA-LAB CHECK
Sample Info: JFQJN14D.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

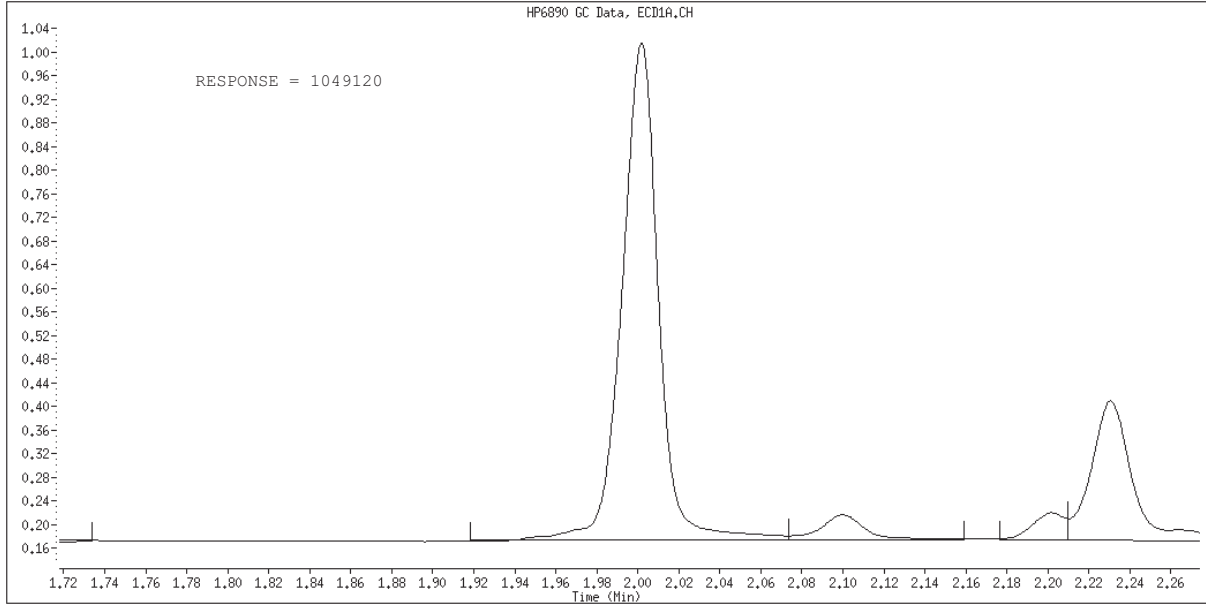
Instrument: B3.i
Operator: 402338
Column diameter: 0.53



Data File Name: 009F0901.D
Inj. Date and Time: 20-FEB-2007 21:51
Instrument ID: B3.i
Client ID: INTRA-LAB CHECK
Compound Name: TCMX
CAS #: 877-09-8
Report Date: 02/21/2007



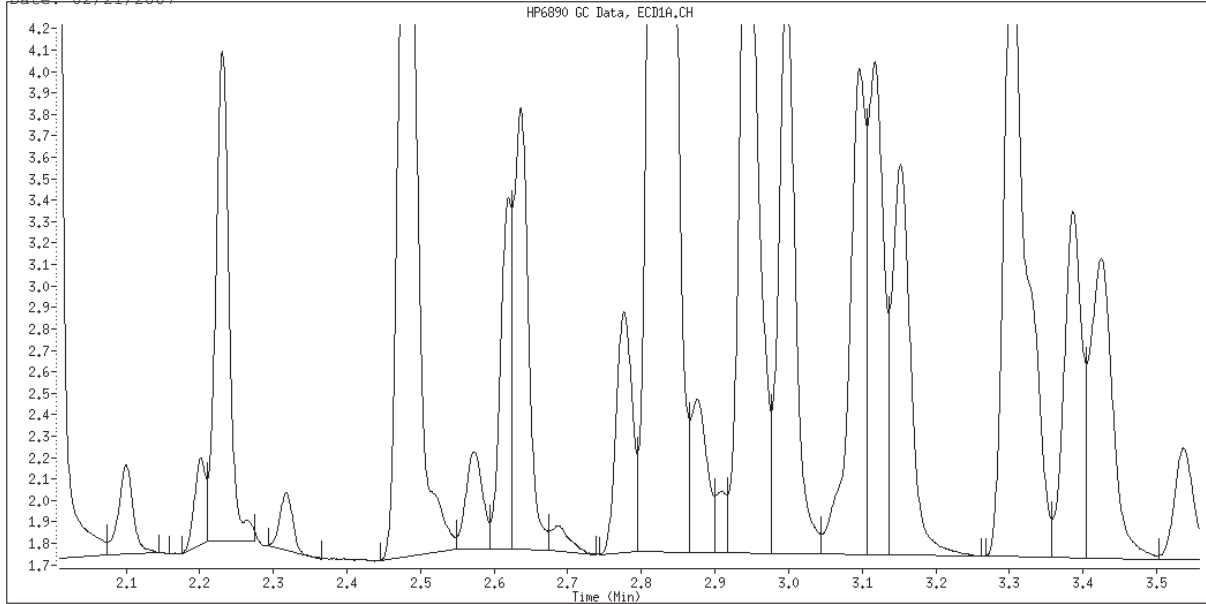
Original Integration



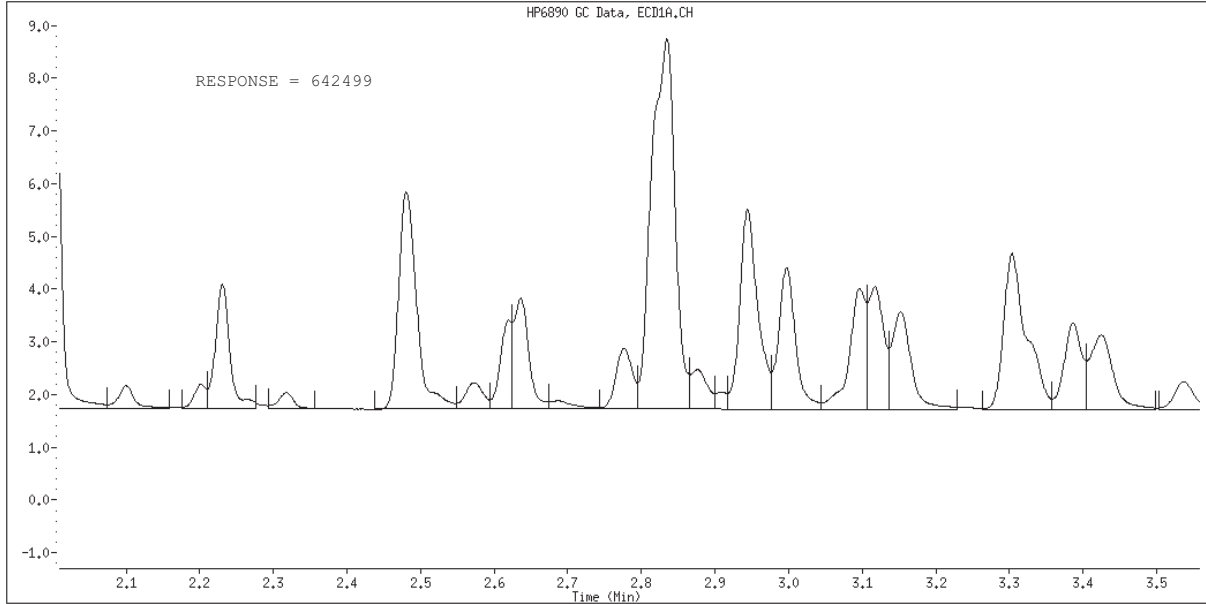
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File Name: 009F0901.D
Inj. Date and Time: 20-FEB-2007 21:51
Instrument ID: B3.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 02/21/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
 Report Date: 21-Feb-2007 08:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
 Lab Smp Id: JPQJN1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 20-FEB-2007 21:51
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQJN1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 9 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.968	13224574	9385051	0.710	64.004	
1.047	580689	282266	0.486	1.172	
1.122	31767	26332	0.829	0.109	
1.179	15100	8974	0.594	0.037	
1.365	13562	8203	0.605	0.034	
1.476	2746	1908	0.695	0.007	
1.510	6550	6843	1.045	0.028	
1.570	8064	3779	0.469	0.015	
1.622	4245	2952	0.695	0.012	
1.667	33154	25034	0.755	0.103	
1.725	4031	2349	0.583	0.009	
2.001	1049120	843147	0.804	3.501	\$ 1 TCMX
2.100	69525	43512	0.626	0.180	
2.201	52574	46950	0.893	0.194	
2.317	44968	30762	0.684	0.127	
2.573	85784	49937	0.582	0.207	
2.620	185920	168762	0.908	0.700	
2.636	296339	210280	0.710	0.873	
2.686	34720	15561	0.448	0.064	
2.776	181071	115421	0.637	0.479	
2.876	118883	74600	0.628	0.309	
2.910	34024	32007	0.941	0.132	
2.997	434035	268915	0.620	1.116	
3.096	369676	228908	0.619	0.950	
3.117	337726	232143	0.687	0.964	

•
 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\009F0901.D
 Report Date: 21-Feb-2007 08:53

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.152	335715	184338	0.549	0.765	
3.386	276836	162897	0.588	0.676	
3.425	303900	140717	0.463	0.584	
3.536	101830	52520	0.516	0.218	
3.645	40602	25248	0.622	0.104	
3.690	304440	166901	0.548	0.693	
3.741	125593	45810	0.365	0.190	
3.932	39532	22240	0.563	0.092	
3.991	420704	187764	0.446	0.779	
4.296	7124	6685	0.938	0.027	
4.346	241725	91146	0.377	0.378	
4.533	217612	97090	0.446	0.403	
4.592	454733	192696	0.424	0.800	
4.689	279165	73079	0.262	0.303	
4.967	117954	52986	0.449	0.220	
5.151	169856	77537	0.456	0.321	
5.293	258985	123687	0.478	0.513	
5.418	681419	285716	0.419	1.186	
5.556	41266	21571	0.523	0.089	
5.785	877322	411296	0.469	1.707	
5.847	460958	232729	0.505	0.966	
5.961	135672	72817	0.537	0.302	
6.014	131054	62394	0.476	0.259	
6.104	1001370	504763	0.504	2.096	
6.156	480633	251226	0.523	1.043	
6.215	275462	134163	0.487	0.557	
6.271	28842	13636	0.473	0.056	
6.329	116107	61449	0.529	0.255	
6.412	162951	90097	0.553	0.374	
6.539	103862	59882	0.577	0.248	
6.573	35206	23610	0.671	0.098	
6.853	408298	260948	0.639	1.083	
6.904	601954	270317	0.449	1.122	
6.991	18564	7540	0.406	0.031	
7.111	36683	21602	0.589	0.089	
7.216	281992	140529	0.498	0.583	
7.376	15235	8485	0.557	0.035	
7.491	567633	344914	0.608	1.432	
7.547	43488	22497	0.517	0.093	
7.791	184710	103535	0.561	0.429	
7.999	1504267	836841	0.556	3.475	\$ 9 DCB
	41507649	24080968		100.000	

Total unknown % height = 93.02

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7B200269
MB Lot-Sample #: A7B200000-450

Work Order #...: JPQJN1AA
Prep Date.....: 02/20/07
Prep Batch #...: 7051450
Initial Wgt/Vol: 30 g

Matrix.....: SOLID
Final Wgt/Vol...: 10 mL

Analysis Date...: 02/20/07
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1221	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1232	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1242	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1248	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1254	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1260	ND	33	ug/kg	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	70	(10 - 127)
Decachlorobiphenyl	82	(40 - 138)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\007F0701.D
Report Date: 21-Feb-2007 08:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\007F0701.D
Lab Smp Id: JPQJN1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 20-FEB-2007 21:23
Operator : 402338 Inst ID: B3.i
Smp Info : JPQJN1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
Meth Date : 21-Feb-2007 08:11 target Quant Type: ESTD
Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
Als bottle: 7 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX CAS #: 877-09-8
2.000 2.003 -0.003 1043451 0.03489 11.63

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

3 AROCLOR-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

4 AROCLOR-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\007F0701.D
Report Date: 21-Feb-2007 08:50

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ng)	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5					AROCLOR-1242	CAS #: 53469-21-9	
Peaks not detected for Quant. or Qual. signal(s).							

6					AROCLOR-1248	CAS #: 12672-29-6	
Peaks not detected for Quant. or Qual. signal(s).							

7					AROCLOR-1254	CAS #: 11097-69-1	
Peaks not detected for Quant. or Qual. signal(s).							

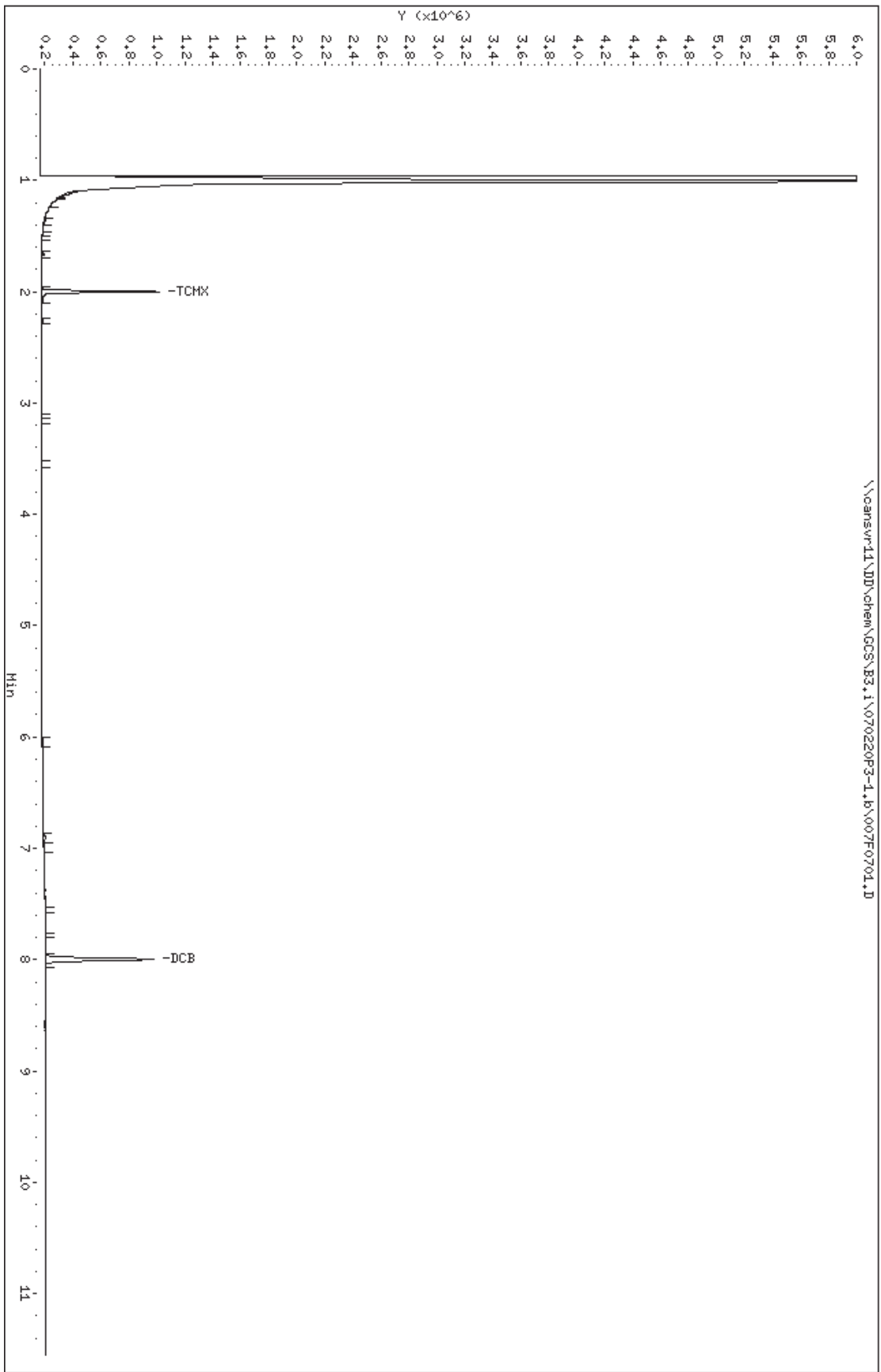
8					AROCLOR-1260	CAS #: 11096-82-5	
Peaks not detected for Quant. or Qual. signal(s).							

\$	9				DCB	CAS #: 2051-24-3	
7.996	8.001	-0.005	1406597	0.04083		13.61	

M	16				Total Pcb	CAS #: 1336-36-3	
Compound Not Detected							

Data File: \\canonvr11\DD\chem\GCS\B3.1\070220P3-1.6\0070701.D
Date : 20-FEB-2007 21:23
Client ID: INTRA-LAB BLANK
Sample Info: JFQJN1A0.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: B3.i
Operator: 402338
Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B3.i\070220P3-1.b\007F0701.D
 Report Date: 21-Feb-2007 08:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\007F0701.D
 Lab Smp Id: JPQJN1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 20-FEB-2007 21:23
 Operator : 402338 Inst ID: B3.i
 Smp Info : JPQJN1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B3.i\070220P3-1.b\B3PCBF.m
 Meth Date : 21-Feb-2007 08:11 target Quant Type: AREA%
 Cal Date : 02-FEB-2007 20:33 Cal File: 031F3101.D
 Als bottle: 7 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
0.968	29277418	27007904	0.922	93.901	
1.120	34026	26793	0.787	0.093	
1.178	23229	10920	0.470	0.037	
1.363	23992	11896	0.496	0.041	
1.478	7532	5613	0.745	0.019	
1.512	8041	5647	0.702	0.019	
1.667	21626	17881	0.827	0.062	
2.001	1043451	839518	0.805	2.918	\$ 1 TCMX
2.265	9204	8090	0.879	0.028	
3.134	5888	3947	0.670	0.013	
3.158	10222	7007	0.685	0.024	
3.543	7000	4307	0.615	0.014	
6.043	17384	8201	0.472	0.028	
6.905	37986	18493	0.487	0.064	
6.992	12900	5776	0.448	0.020	
7.549	7213	3425	0.475	0.011	
7.783	4154	2334	0.562	0.008	
7.997	1406598	776682	0.552	2.700	\$ 9 DCB
=====	=====	=====	=====	=====	
	31957864	28764434		100.000	

Total unknown % height = 94.38

MISCELLANEOUS DATA

Data Acquisition: on
Standard Data Analysis: on
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: on
Name: macro "gcacqB3.mac", go
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====
6890 GC METHOD
=====

OVEN

Initial temp: 175 'C (On) Maximum temp: 450 'C
Initial time: 0.25 min Equilibration time: 0.50 min
Ramps:
Rate Final temp Final time
1 20.00 225 2.00
2 25.00 295 4.00
3 0.0 (Off)
Post temp: 170 'C
Post time: 0.00 min
Run time: 11.55 min

FRONT INLET (UNKNOWN)

BACK INLET ()

Mode: Splitless
Initial temp: 250 'C (On)
Pressure: 9.50 psi (On)
Purge flow: 20.0 mL/min
Purge time: 0.50 min
Total flow: 39.9 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 2.00 min
Gas type: Helium

COLUMN 1

COLUMN 2

Capillary Column
Model Number: Restek 11140
RTX-CLPesticides I
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: constant pressure
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

Capillary Column
Model Number: Restek 11340
RTX-CLPesticides II
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: (see column 1)
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μ ECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%
Electrometer: On

BACK DETECTOR (μ ECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%
Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1

Derive from front detector

COLUMN COMP 2

Derive from back detector

POST RUN

Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

GC Injector

Front Injector:

Sample Washes	1
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	2
PostInj Solvent B Washes	2
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

Sequence Parameters:

B3 - ICAL

Operator: 402338

Data File Naming: Auto

Data Directory: C:\HPCHEM\3\DATA\

Data Subdirectory: 070202IC

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro:

Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 1	HEXANE	B3PCBF	3	Sample		
2	Vial 2	1660,,1,1	B3PCBF	1	Sample ✓		
3	Vial 3	1660,,1,2	B3PCBF	1	Sample ✓		
4	Vial 4	1660,,1,3	B3PCBF	1	Sample ✓		
5	Vial 5	1660,,1,4	B3PCBF	1	Sample ✓		
6	Vial 6	1660,,1,5	B3PCBF	1	Sample ✓		
7	Vial 7	1660,,1,6	B3PCBF	1	Sample ✓		
8	Vial 8	1660,,2	B3PCBF	1	Sample ✓		
9	Vial 9	1232,,1,1	B3PCBF	1	Sample ✓		
10	Vial 10	1232,,1,2	B3PCBF	1	Sample ✓		
11	Vial 11	1232,,1,3	B3PCBF	1	Sample ✓		
12	Vial 12	1232,,1,4	B3PCBF	1	Sample ✓		
13	Vial 13	1232,,1,5	B3PCBF	1	Sample ✓		
14	Vial 14	1232,,1,6	B3PCBF	1	Sample ✓		
15	Vial 15	1242,,1,1	B3PCBF	1	Sample ✓		
16	Vial 16	1242,,1,2	B3PCBF	1	Sample ✓		
17	Vial 17	1242,,1,3	B3PCBF	1	Sample ✓		
18	Vial 18	1242,,1,4	B3PCBF	1	Sample ✓		
19	Vial 19	1242,,1,5	B3PCBF	1	Sample ✓		
20	Vial 20	1242,,1,6	B3PCBF	1	Sample ✓		
21	Vial 21	1248,,1,1	B3PCBF	1	Sample ✓		
22	Vial 22	1248,,1,2	B3PCBF	1	Sample ✓		
23	Vial 23	1248,,1,3	B3PCBF	1	Sample ✓		
24	Vial 24	1248,,1,4	B3PCBF	1	Sample ✓		
25	Vial 25	1248,,1,5	B3PCBF	1	Sample ✓		
26	Vial 26	1248,,1,6	B3PCBF	1	Sample ✓		
27	Vial 27	2154,,1,1	B3PCBF	1	Sample ✓		
28	Vial 28	2154,,1,2	B3PCBF	1	Sample ✓		
29	Vial 29	2154,,1,3	B3PCBF	1	Sample ✓		
30	Vial 30	2154,,1,4	B3PCBF	1	Sample ✓		
31	Vial 31	2154,,1,5	B3PCBF	1	Sample ✓		
32	Vial 32	2154,,1,6	B3PCBF	1	Sample ✓		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\3\DATA\
 Data Subdirectory: 070220P3
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

B3

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 1	HEXANE	B3PCBF	3	Sample		
2	Vial 2	1232,,2	B3PCBF	1	Sample		
3	Vial 3	1242,,2	B3PCBF	1	Sample		
4	Vial 4	1248,,2	B3PCBF	1	Sample		
5	Vial 5	2154,,2	B3PCBF	1	Sample		
6	Vial 6	1660,,2	B3PCBF	1	Sample		
7	Vial 7	JPQJN1AA,1 MB	B3PCBF	1	Sample		
8	Vial 8	JPQJN1AC,1 CCS	B3PCBF	1	Sample		
9	Vial 9	JPQJN1AD,1 CCSD	B3PCBF	1	Sample		
10	Vial 10	JPQGM1AA,136	B3PCBF	1	Sample		
11	Vial 11	JPQGN1AA,137	B3PCBF	1	Sample		
12	Vial 12	JPQGP1AA,138	B3PCBF	1	Sample		
13	Vial 13	JPQGQ1AA,139	B3PCBF	1	Sample		
14	Vial 14	JPQGV1AA,140	B3PCBF	1	Sample		
15	Vial 15	JPQGW1AA,141	B3PCBF	1	Sample		
16	Vial 16	1660,,2	B3PCBF	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

Run Date: 2/26/2007
Time: 14:06:08

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
-	-	-	-
-	-	-	-

Blank Weights/Volumes
Check Spike & Surrogate Worksheet
MS/MSD Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct &
Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 402594 Amy Woolston

Concentrationist: 402594 Amy Woolston

Reviewer/Date: SHOCKR / 2/20/07

*
* **QC BATCH: 7051450** *
*

PREP DATE: 2/20/07
COMP DATE: 2/20/07

**PCBs by SW-846 8082
SONICATION - Low Level**

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S		ADJ2	EXTRACTION	SOLVENTS		VOL	SPIKE STANDARD/ SURROGATE ID
							WT/VOL	INIT	ADJ1	VOL			EXCHANGE			
3/06/07 COMMENTS:		A7B200000-450 JPQJN-1-AA B		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML	
3/06/07 COMMENTS:		A7B200000-450 JPQJN-1-AC C		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL 100UG/ML 50UL 10UG/ML	
3/06/07 COMMENTS:		A7B200000-450 JPQJN-1-AD L		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL 100UG/ML 50UL 10UG/ML	
3/06/07 COMMENTS:	2/21/07	A7B200269-001 JPQGM-1-AA	D	13	47	SOLID	30.14g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML	
3/06/07 COMMENTS:	2/21/07	A7B200269-002 JPQGN-1-AA	D	13	47	SOLID	30.12g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML	
3/06/07 COMMENTS:	2/21/07	A7B200269-003 JPQGP-1-AA	D	13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML	

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
QC BATCH: 7051450
*

PREP DATE: 2/20/07
COMP DATE: 2/20/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S		EXTRACTION	SOLVENTS		VOL	SPIKE STANDARD/ SURROGATE ID
							WT/VOL	INIT	ADJ1	ADJ2		VOL	EXCHANGE		
3/06/07 COMMENTS:	2/21/07	A7B200269-004 JPQGQ-1-AA	D	13	47	SOLID	30.13g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
3/06/07 COMMENTS:	2/21/07	A7B200270-001 JPQGV-1-AA	D	13	47	SOLID	30.15g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
3/06/07 COMMENTS:	2/21/07	A7B200270-002 JPQGW-1-AA	D	13	47	SOLID	30.13g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML

DCM/ACE C45E16 HEXANE C40E36

NUMBER OF WORK ORDERS IN BATCH: 9

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	7051464	
Prep Date	2/20/07	Time In	16:30	Analyst	AW/RC	
Anal Date	2/21/07	Time Out	9:00	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
JPQJP1AA	0.98	0.98	0.98	0	ND	
JPQGM1AC	0.98	21.22	15.39	71.196	28.804	
JPQGM1AD	0.98	18.72	13.29	69.391	30.609	
JPQGN1AC	0.98	15.34	9.93	62.326	37.674	
JPQGP1AC	0.98	19.03	12.07	61.440	38.560	
JPQQQ1AC	0.98	20.03	15.01	73.648	26.352	
JPQGV1AC	0.98	25.66	20.76	80.146	19.854	
JPQGW1AC	0.98	30.45	24.24	78.928	21.072	

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A7B200269

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Solids	ND	Work Order #: JPQJP1AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A7B200000-464 02/20-02/21/07	7051464
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A7B200269

Work Order #....: JPQGM-SMP
JPQGM-DUP

Matrix.....: SO

Date Sampled...: 02/20/07 10:10 Date Received...: 02/20/07

% Moisture.....: 29

<u>PARAM RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids							
71.2	69.4	%	2.6	(0-20)	SD Lot-Sample #: A7B200269-001 MCAWW 160.3 MOD	02/20-02/21/07	7051464
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	

Sample Control Chain of Custody – STL North Canton
GC Semivolatiles**Lot/SDG
Number:** **A7B200269**

<u>Lot Number</u>	<u>Work Order</u>	<u>Analysis Type</u>	<u>Prep Date</u>	<u>Prep Analyst</u>	<u>Date of Transfer</u>	<u>Transferred By</u>	<u>Analysis Date</u>	<u>Analyst</u>
A7B200269-001	JPQGM1AA	PCBs by SW-846 8082	02/20/07	Ray Shock		Ray Shock	02/20/07	Richard Charles
A7B200269-002	JPQGN1AA	PCBs by SW-846 8082	02/20/07	Ray Shock		Ray Shock	02/20/07	Richard Charles
A7B200269-003	JPQGP1AA	PCBs by SW-846 8082	02/20/07	Ray Shock		Ray Shock	02/20/07	Richard Charles
A7B200269-004	JPQQQ1AA	PCBs by SW-846 8082	02/20/07	Ray Shock		Ray Shock	02/20/07	Richard Charles

END OF REPORT

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Total # of Pages in this Document	197

ANALYTICAL REPORT

PROJECT NO. E117001

GMPT BEDFORD - (013968-OS)

Lot #: A7J290197

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

TESTAMERICA LABORATORIES, INC.



Alesia M. Danford
Project Manager

November 2, 2007

CASE NARRATIVE

CASE NARRATIVE

A7J290197

The following report contains the analytical results for four solid samples submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT Bedford - (013968-OS) Site, project number E117001. The samples were received October 29, 2007, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to the Chemistry Department, Jeffrey Nichols, Chris Heij, GM Edds, Katie Kamm, Mary Kelly, Kathy Willy, Paul Gallaway, Pete Bridcut, Rick Charles and Sarah Heikoop on October 30, 2007. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters, which are never reported on a dry weight basis, is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Alesia M. Danford, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (Continued)

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP (#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

N:\QAQC\Customer Service\Narrative - Combined RCRA_CWA 061807.doc

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A7J290197

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-387-102907-AH-26095 10/29/07 10:17 001				
Percent Solids	78.1	10.0	%	MCAWW 160.3 MOD
S-387-102907-AH-26096 10/29/07 10:19 002				
Aroclor 1248	820	53	ug/kg	SW846 PCBs (8082)
Aroclor 1260	220	53	ug/kg	SW846 PCBs (8082)
Percent Solids	62.8	10.0	%	MCAWW 160.3 MOD
S-387-102907-AH-26097 10/29/07 10:23 003				
Aroclor 1248	1500	45	ug/kg	SW846 PCBs (8082)
Aroclor 1260	580	45	ug/kg	SW846 PCBs (8082)
Percent Solids	73.8	10.0	%	MCAWW 160.3 MOD
S-387-102907-AH-26098 10/29/07 10:35 004				
Aroclor 1248	170	46	ug/kg	SW846 PCBs (8082)
Aroclor 1260	67	46	ug/kg	SW846 PCBs (8082)
Percent Solids	71.1	10.0	%	MCAWW 160.3 MOD

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7J290197

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs by SW-846 8082	SW846 PCBs (8082)
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SAMPLE SUMMARY

A7J290197

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
J94DR	001	S-387-102907-AH-26095	10/29/07	10:17
J94DT	002	S-387-102907-AH-26096	10/29/07	10:19
J94DV	003	S-387-102907-AH-26097	10/29/07	10:23
J94DW	004	S-387-102907-AH-26098	10/29/07	10:35

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

***SHIPPING
AND
RECEIVING DOCUMENTS***

etOC in Use

ID: # C#10292007_155149
SSOW Ref. Code: E117001


LOT: A75280197
 PCB: 7302599
 IS: 7302597

PAGE: 1 OF 1

Laboratory: TA On-Site Mobile Laboratory
 Laboratory Location: On-Site in Bedford, IN
 Laboratory Contact: TAT: 1 Day
 Requested Due Date:
 QA/QC Requirements:

Report To: Contestoga-Rovers & Associates
 Copy To: Paul Wiseman
 Invoice To:
 P.O.:
 Project Name: GM - BEDFORD
 Project Number: 013968
 E-mail:

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative	Analysis and Method		Remarks/Lab ID
						/PCBS, TOTAL	/SOLIDS, TOTAL	
1 S-387-102907-AH-26095	SO	10/29/07	10:17	1		X	X	
2 S-387-102907-AH-26096	SO	10/29/07	10:19	1		X	X	
3 S-387-102907-AH-26097	SO	10/29/07	10:23	1		X	X	
4 S-387-102907-AH-26098	SO	10/29/07	10:35	1		X	X	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

SHIPMENT METHOD		NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Direct to On-Site Lab		0	Andy D. Henderson / CRA	10/29/07	16:20		10/29/07	16:20
AIRBH L. NO. NA								
Additional Comments:								
Sample Condition								
Temp in C								
Received on Ice	Y / N							
Sealed Cooler	Y / N							
Samples Intact	Y / N							
Sampler Name: Andy D. Henderson								
Sampler Signature: 								
Date: 10/29/07								

Fully Executed Copy

Test America Cooler Receipt Form/Narrative

Lot Number: A7J290197

GM Bedford Site

Client: CRA Project: BEDFORD Quote#: 060673
 Cooler Received on: 10/29/07 Client Cooler by: Ray Shock
 (Signature)
 Client Drop Off
 1. Did custody papers accompany the samples? Yes No Relinquished by client? Yes No
 2. Did you sign the custody papers in the appropriate place? Yes No
 3. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial Coolant & Sample Against Bottles IR ICE/H₂O Slurry
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 4. Did all bottles arrive in good condition (Unbroken)? Yes No
 5. Could all bottle labels and/or tags be reconciled with the COC? Yes No
 12. Sufficient quantity received to perform indicated analyses? Yes No
 Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning:

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.

4. Other (see below or back)

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Coolant</u>
<u>Discrepancies Cont.</u>			

***POLYCHLORINATED
BIPHENYLS DATA***

QC SUMMARY DATA

SW846 PCBs (8082) SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290197

Extraction: XXA1347BD

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	S-387-102907-AH-26095	67	101	00
02	S-387-102907-AH-26096	80	99	00
03	S-387-102907-AH-26097	92	106	00
04	S-387-102907-AH-26098	80	119	00
05	METHOD BLK. J94EX1AA	83	106	00
06	LCS J94EX1AC	83	112	00
07	LCSD J94EX1AD	82	115	00

<u>SURROGATES</u>		<u>QC LIMITS</u>
SRG01	= Tetrachloro-m-xylene	(10-196)
SRG02	= Decachlorobiphenyl	(10-199)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 PCBs (8082) CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290000

WO #: J94EX1AC

BATCH: 7302599

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	310	93	34- 127	
Aroclor 1260	330	350	105	32- 141	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290000

WO #: J94EX1AD

BATCH: 7302599

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	300	90	34- 127	
Aroclor 1260	330	340	102	32- 141	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) METHOD BLANK SUMMARY

BLANK WORKORDER NO.

Lab Name: TestAmerica Laboratories, Inc.

J94EX1AA

Lab Code: TALCAN

SDG Number:

Lab File ID: 003F0301.

Lot Number: A7J290197

Matrix: SOLID

Extraction Method:

Date Extracted: 10/29/07

Date Analyzed(1): 10/29/07

Date Analyzed(2): N/A

Time Analyzed(1): 18:55

Time Analyzed(2): N/A

Instrument ID(1): B2

Instrument ID(2): N/A

GC Column(1): N/A ID: N/A GC Column(2): N/A ID: N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 | S-387-102907-AH-26095	| J94DR1AA	| 10/29/07	| N/A
02 | S-387-102907-AH-26096	| J94DT1AA	| 10/29/07	| N/A
03 | S-387-102907-AH-26097	| J94DV1AA	| 10/29/07	| N/A
04 | S-387-102907-AH-26098	| J94DW1AA	| 10/29/07	| N/A
05 | CHECK SAMPLE	| J94EX1AC C	| 10/29/07	| N/A
06 | DUPLICATE CHECK	| J94EX1AD L	| 10/29/07	| N/A
07 |	|	|	|
08 |	|	|	|
09 |	|	|	|
10 |	|	|	|
11 |	|	|	|
12 |	|	|	|
13 |	|	|	|
14 |	|	|	|
15 |	|	|	|
16 |	|	|	|
17 |	|	|	|
18 |	|	|	|
19 |	|	|	|
20 |	|	|	|

COMMENTS:

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-102907-AH-26095

GC Semivolatiles

Lot-Sample #....: A7J290197-001 Work Order #....: J94DR1AA Matrix.....: SO
 Date Sampled...: 10/29/07 10:17 Date Received...: 10/29/07
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 22 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	ND	42	ug/kg
Aroclor 1260	ND	42	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	67	(10 - 196)
Decachlorobiphenyl	101	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
Report Date: 30-Oct-2007 09:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
Lab Smp Id: J94DR1AA Client Smp ID: S-387-102907-AH-260
Inj Date : 29-OCT-2007 19:38
Operator : 402338 Inst ID: B2.i
Smp Info : J94DR1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.057	2.057	0.000	1428187	0.03332	11.03		

2	AROCLOR-1221					CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
 Report Date: 30-Oct-2007 09:18

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ng)	ON-COL FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242					CAS #: 53469-21-9		
Compound Not Detected							

6 AROCLOR-1248					CAS #: 12672-29-6		
2.527	2.527	0.000	0	0.0000	0.0000	75.00- 125.00	0.00 (M)
3.145	3.145	0.000	5510	0.00447	1.480	129.13- 215.22	0.00
3.352	3.353	-0.001	6507	0.00319	1.057	212.84- 354.73	0.00
3.460	3.437	0.023	39896	0.03592	11.89	118.78- 197.96	0.00
4.593	4.592	0.001	8312	0.00780	2.581	114.23- 190.39	0.00
Average of Peak Concentrations =					4.253		

7 AROCLOR-1254					CAS #: 11097-69-1		
Compound Not Detected							

8 AROCLOR-1260					CAS #: 11096-82-5		
4.867	4.867	0.000	3513	0.00165	0.5458	80.00- 120.00	100.00 (M)
5.283	5.282	0.001	13779	0.00414	1.370	118.78- 197.97	392.17
5.678	5.677	0.001	29331	0.00771	2.554	140.75- 234.58	834.80
6.530	6.528	0.002	18687	0.00447	1.480	152.37- 253.95	531.86
6.860	6.860	0.000	18890	0.00790	2.617	85.18- 141.97	537.62
Average of Peak Concentrations =					1.713		

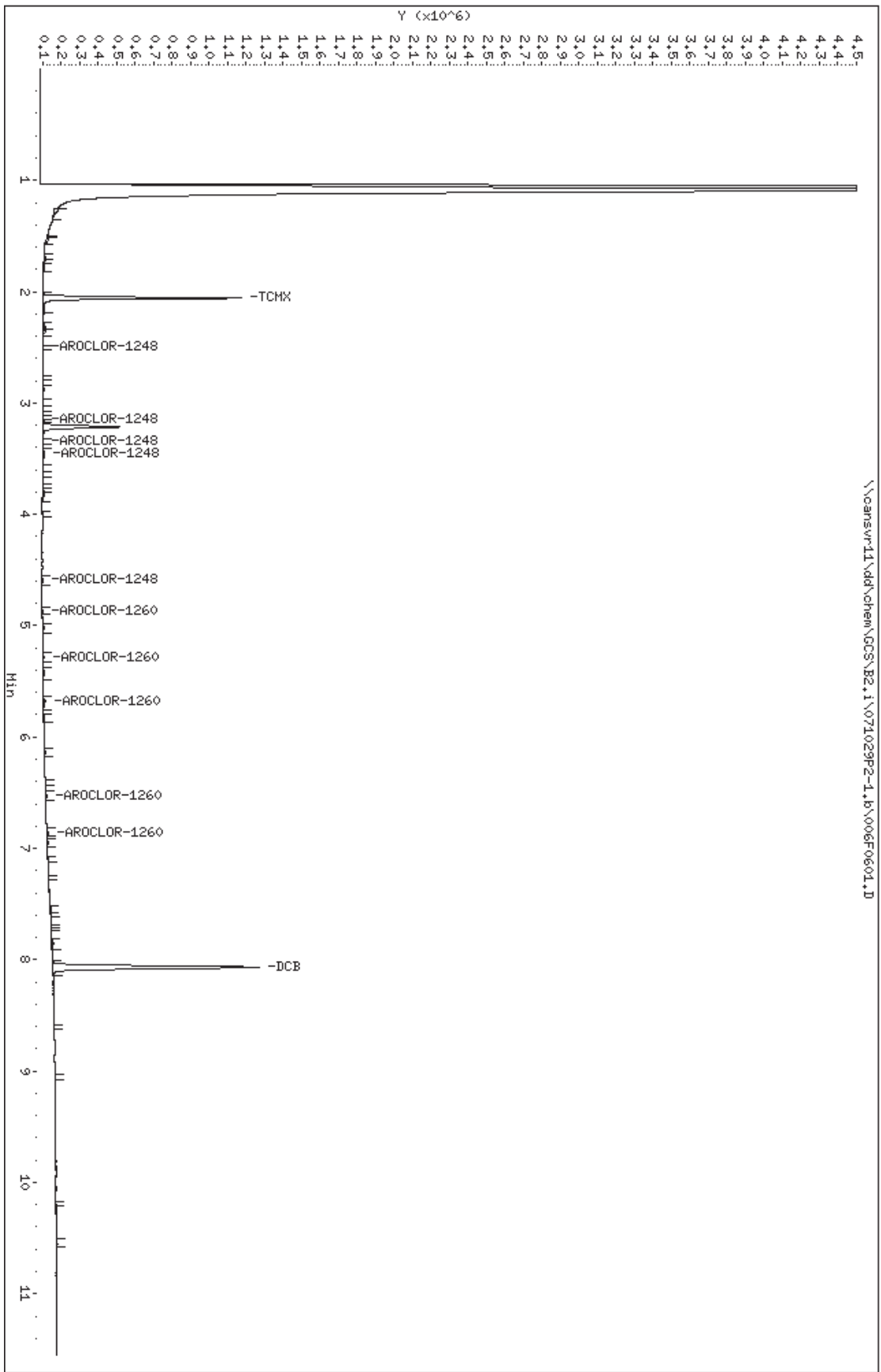
\$ 9 DCB					CAS #: 2051-24-3		
8.067	8.066	0.001	2114791	0.05053	16.73		

QC Flag Legend

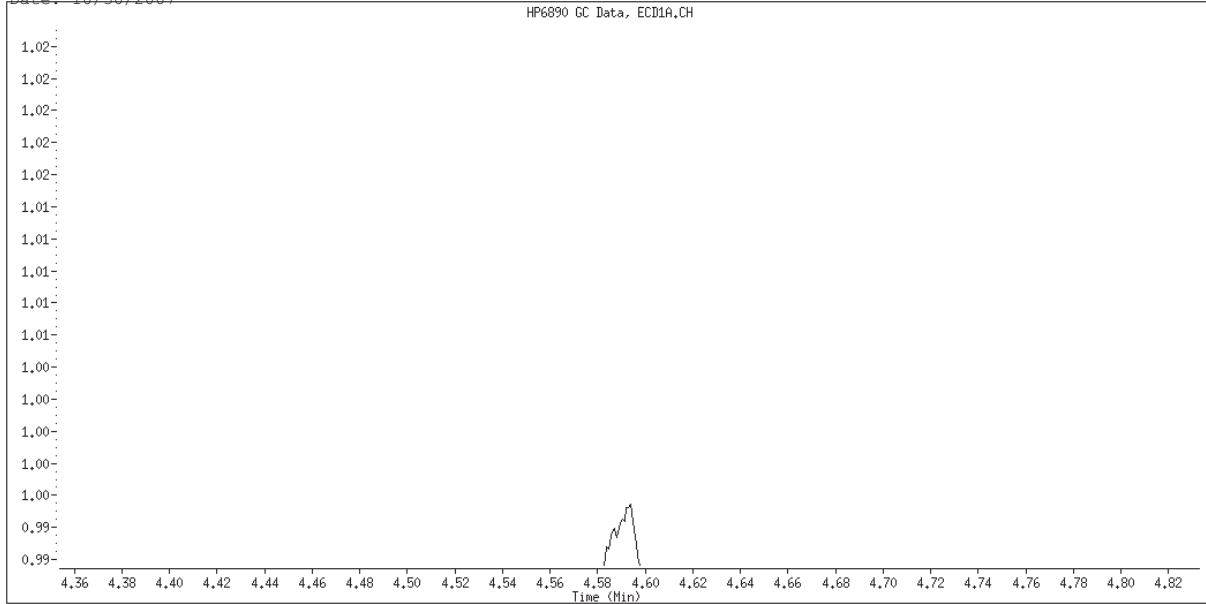
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\006F0601.D
 Date: 29-OCT-2007 19:38
 Client ID: S-387-102907-4H-260
 Sample Info: J94DE1A0.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

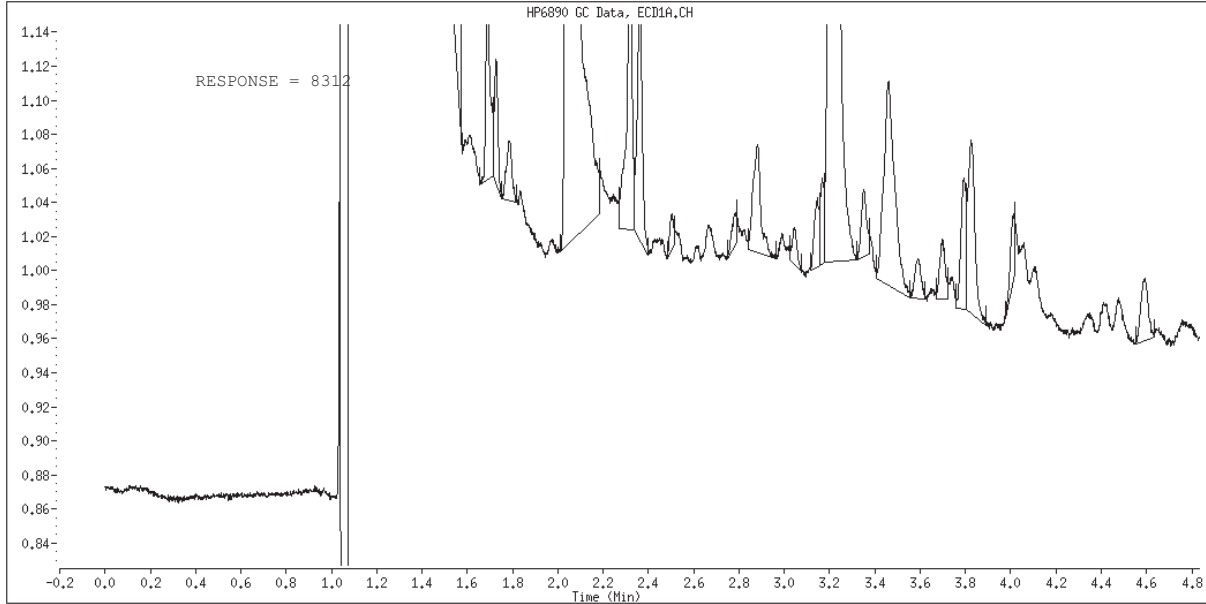
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 006F0601.D
Inj. Date and Time: 29-OCT-2007 19:38
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/30/2007



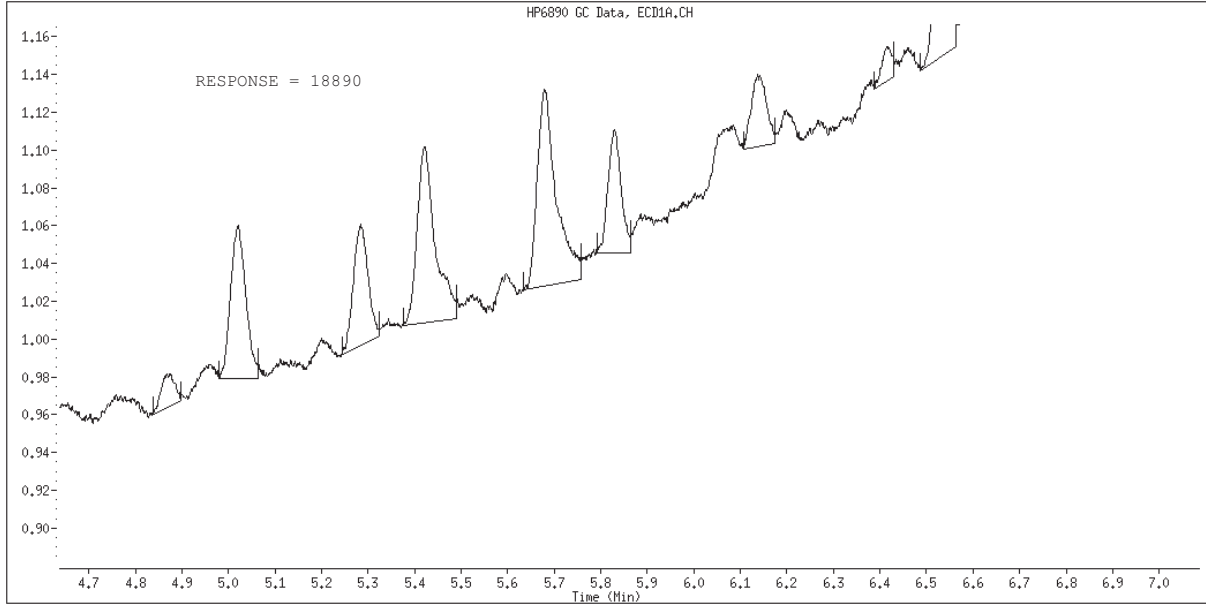
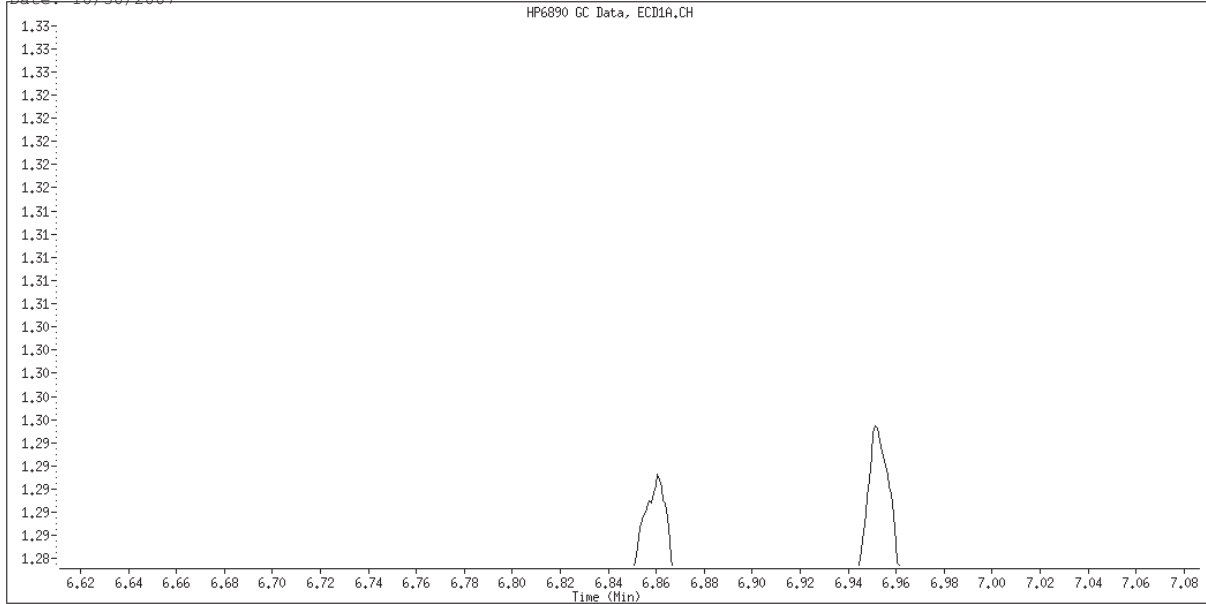
Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 006F0601.D
Inj. Date and Time: 29-OCT-2007 19:38
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
 Report Date: 30-Oct-2007 09:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
 Lab Smp Id: J94DR1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 19:38
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DR1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.045	15036923	12506421	0.832	81.285	
1.270	78743	25472	0.323	0.165	
1.360	23079	2980	0.129	0.019	
1.533	40538	12636	0.312	0.082	
1.689	14767	11145	0.755	0.072	
1.727	8262	7293	0.883	0.047	
1.785	5904	3519	0.596	0.022	
2.058	1428188	1073721	0.752	6.976	\$ 1 TCMX
2.319	28254	17081	0.605	0.110	
2.360	21509	13651	0.635	0.088	
2.503	2487	2109	0.848	0.013	6 AROCLOR-1248
2.784	2787	1912	0.686	0.012	
2.881	15155	6377	0.421	0.041	
3.044	3126	2147	0.687	0.013	
3.145	5511	4036	0.732	0.026	6 AROCLOR-1248
3.168	6092	4982	0.818	0.032	
3.215	681875	418183	0.613	2.717	
3.352	6508	3964	0.609	0.025	6 AROCLOR-1248
3.460	39896	11955	0.300	0.077	6 AROCLOR-1248
3.590	4442	2352	0.529	0.015	
3.699	5964	3492	0.586	0.022	
3.792	12647	7689	0.608	0.049	
3.825	21054	10171	0.483	0.066	
4.011	5211	3980	0.764	0.025	
4.594	8312	3657	0.440	0.023	6 AROCLOR-1248

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\006F0601.D
 Report Date: 30-Oct-2007 09:18

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
4.867	3514	1745	0.497	0.011	8 AROCLOR-1260
5.021	18594	8122	0.437	0.052	
5.284	13779	6386	0.463	0.041	8 AROCLOR-1260
5.422	25231	9307	0.369	0.060	
5.679	29332	10412	0.355	0.067	8 AROCLOR-1260
5.830	12708	6505	0.512	0.042	
6.137	8580	3816	0.445	0.024	
6.415	2730	1786	0.654	0.011	
6.530	18688	9824	0.526	0.063	8 AROCLOR-1260
6.860	18890	7513	0.398	0.048	8 AROCLOR-1260
6.900	6654	4160	0.625	0.027	
6.951	14431	6285	0.436	0.040	
7.100	3678	2365	0.643	0.015	
7.265	4484	2371	0.529	0.015	
7.547	13886	5774	0.416	0.037	
7.616	4356	2703	0.621	0.017	
7.706	2791	2268	0.813	0.014	
7.737	4654	3048	0.655	0.019	
7.858	25794	9032	0.350	0.058	
8.068	2114792	1115333	0.527	7.246	\$ 9 DCB
8.593	2456	1695	0.690	0.011	
9.053	4603	2052	0.446	0.013	
10.200	2491	1667	0.669	0.010	
10.551	13614	5760	0.423	0.037	
	19877964	15390854		100.000	

Total unknown % height = 85.38

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-102907-AH-26096

GC Semivolatiles

Lot-Sample #....: A7J290197-002 Work Order #....: J94DT1AA Matrix.....: SO
 Date Sampled...: 10/29/07 10:19 Date Received...: 10/29/07
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30.13 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 37 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	53	ug/kg
Aroclor 1221	ND	53	ug/kg
Aroclor 1232	ND	53	ug/kg
Aroclor 1242	ND	53	ug/kg
Aroclor 1248	820	53	ug/kg
Aroclor 1254	ND	53	ug/kg
Aroclor 1260	220	53	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	80	(10 - 196)
Decachlorobiphenyl	99	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Report Date: 30-Oct-2007 09:19

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Lab Smp Id: J94DT1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 19:52
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DT1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.130	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.057	2.057	0.000		1704964	0.03978	13.20	

2	AROCLOR-1221					CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Report Date: 30-Oct-2007 09:19

CONCENTRATIONS									
RT	EXP RT	DLT RT	RESPONSE (	ng)	ON-COL FINAL	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9						
Compound Not Detected									

6 AROCLOR-1248			CAS #: 12672-29-6						
2.527	2.527	0.000	0	0.0000	0.0000	75.00-	125.00	0.00 (M)	
3.143	3.145	-0.002	1450165	1.17596	390.3	129.13-	215.22	0.00	
3.351	3.353	-0.002	1773233	0.86979	288.7	212.84-	354.73	0.00	
3.435	3.437	-0.002	2169386	1.95323	648.3	118.78-	197.96	0.00	
4.589	4.592	-0.003	2359241	2.21252	734.3	114.23-	190.39	0.00	
Average of Peak Concentrations =					515.4				

7 AROCLOR-1254			CAS #: 11097-69-1						
Compound Not Detected									

8 AROCLOR-1260			CAS #: 11096-82-5						
4.869	4.867	0.002	683369	0.32062	106.4	80.00-	120.00	100.00 (M)	
5.285	5.282	0.003	1594743	0.47876	158.9	118.78-	197.97	233.36	
5.675	5.677	-0.002	1948600	0.51236	170.0	140.75-	234.58	285.15	
6.529	6.528	0.001	938394	0.22444	74.49	152.37-	253.95	137.32	
6.865	6.860	0.005	1265760	0.52967	175.8	85.18-	141.97	185.22	
Average of Peak Concentrations =					137.1				

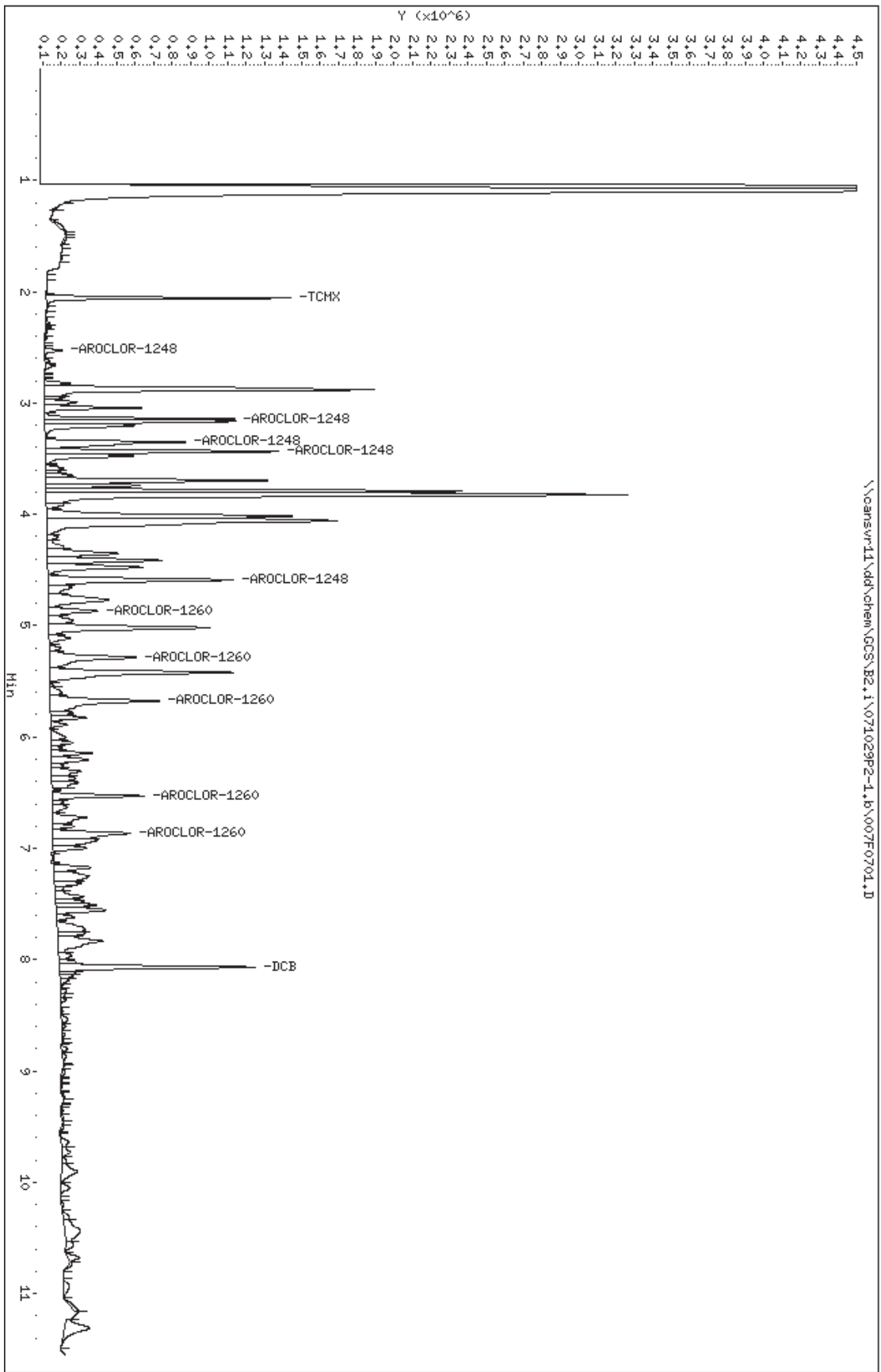
9 DCB			CAS #: 2051-24-3						
8.067	8.066	0.001	2064857	0.04934	16.38				

QC Flag Legend

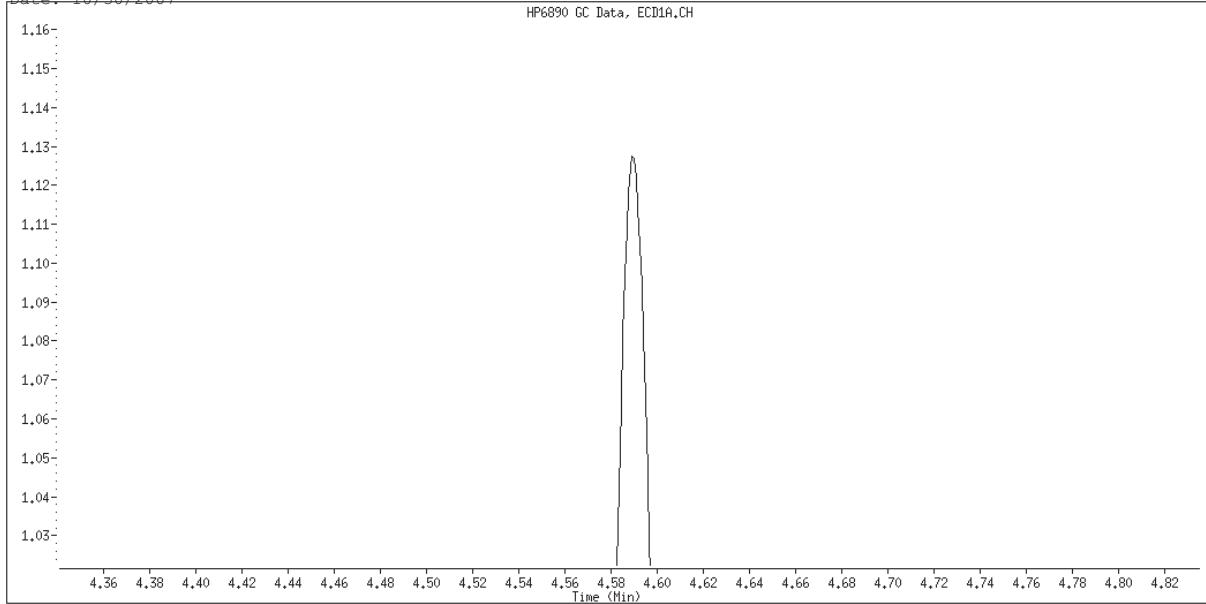
M - Compound response manually integrated.

Data File: \\canusvr11\dd\chem\GCS\B2.1\071029P2-1.b\007F0701.D
 Date : 29-OCT-2007 19:52
 Client ID: S-387-102907-4H-260
 Sample Info: J940T1A0.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

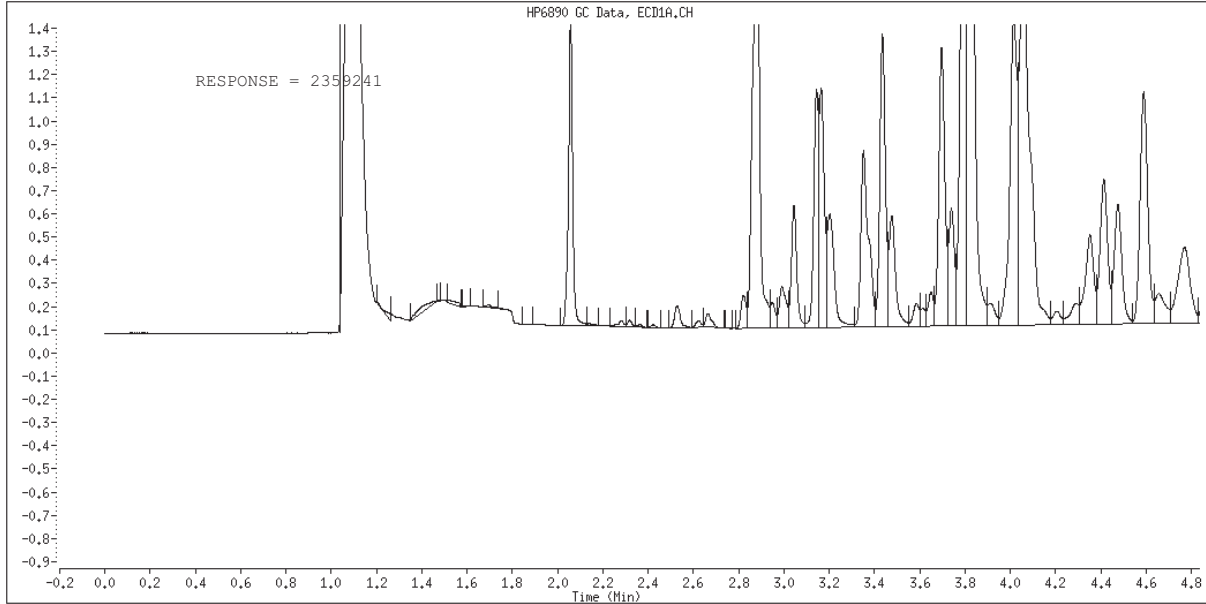
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 007F0701.D
Inj. Date and Time: 29-OCT-2007 19:52
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/30/2007



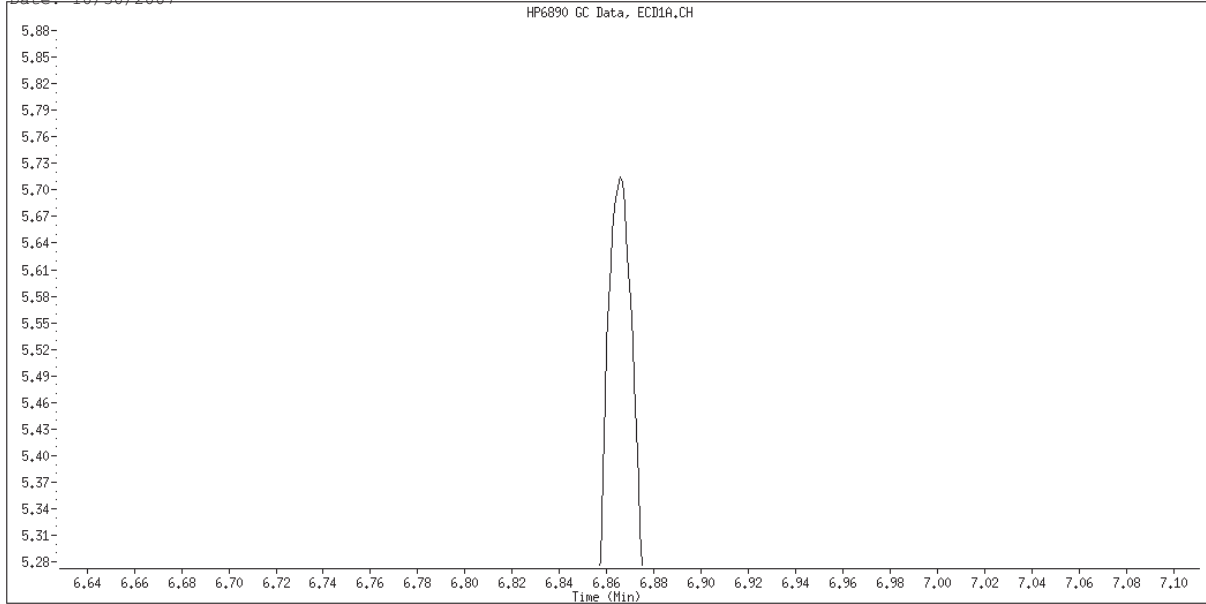
Original Integration



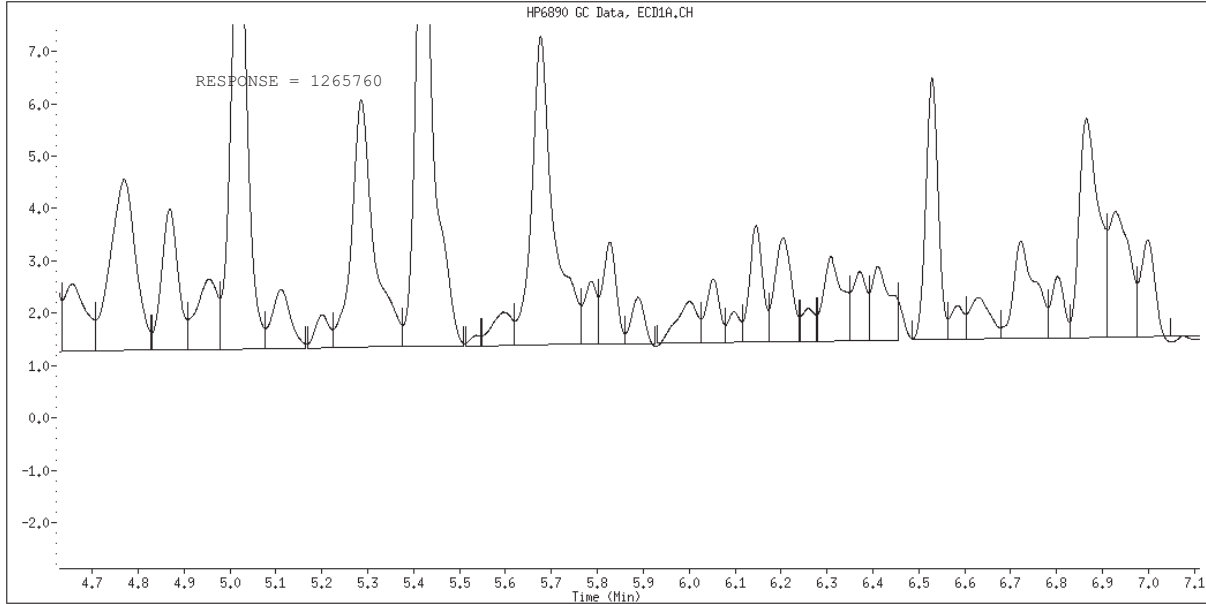
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 007F0701.D
Inj. Date and Time: 29-OCT-2007 19:52
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Report Date: 30-Oct-2007 09:19

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Lab Smp Id: J94DT1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 19:52
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DT1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.130	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	19026637	15622034	0.821	31.305	
1.204	37417	6741	0.180	0.013	
1.464	108933	5044	0.046	0.010	
1.480	5904	6589	1.116	0.013	
1.520	46079	12748	0.277	0.025	
1.593	3582	2291	0.640	0.004	
1.694	21211	11904	0.561	0.023	
1.870	4103	3759	0.916	0.007	
2.058	1704965	1324811	0.777	2.649	\$ 1 TCMX
2.140	14383	7654	0.532	0.015	
2.282	47003	25182	0.536	0.050	
2.318	36702	28120	0.766	0.056	
2.363	15942	10133	0.636	0.020	
2.422	16694	13075	0.783	0.026	
2.528	163427	95026	0.581	0.190	6 AROCLOR-1248
2.623	43391	26870	0.619	0.053	
2.663	106627	58953	0.553	0.117	
2.753	3396	2958	0.871	0.005	
2.821	226358	143473	0.634	0.286	
2.881	3920836	1784933	0.455	3.569	
2.948	173798	110680	0.637	0.221	
2.991	380985	177499	0.466	0.354	
3.044	867222	526283	0.607	1.052	
3.143	1450166	1028680	0.709	2.057	6 AROCLOR-1248
3.165	1644091	1034120	0.629	2.068	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Report Date: 30-Oct-2007 09:19

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.202	1093230	487872	0.446	0.975	
3.352	1773233	761527	0.429	1.522	6 AROCLOR-1248
3.435	2169387	1260964	0.581	2.521	6 AROCLOR-1248
3.477	972565	477637	0.491	0.955	
3.585	191108	98868	0.517	0.197	
3.613	112246	77735	0.693	0.155	
3.649	254165	146620	0.577	0.293	
3.697	2228962	1200496	0.539	2.400	
3.740	907976	506912	0.558	1.013	
3.792	3824105	2245786	0.587	4.491	
3.825	6602900	3141872	0.476	6.283	
3.912	218498	95863	0.439	0.191	
4.016	2894439	1331394	0.460	2.662	
4.058	5208815	1572207	0.302	3.144	
4.205	137448	57662	0.420	0.115	
4.289	238754	90577	0.379	0.181	
4.353	1021618	387163	0.379	0.774	
4.413	1452803	622448	0.428	1.244	
4.475	1230567	515239	0.419	1.030	
4.589	2359242	1000808	0.424	2.001	6 AROCLOR-1248
4.656	421308	128596	0.305	0.257	
4.769	1256988	326351	0.260	0.652	
4.869	683370	268030	0.392	0.535	8 AROCLOR-1260
4.956	420673	134081	0.319	0.268	
5.019	2165327	871733	0.403	1.743	
5.110	315515	112401	0.356	0.224	
5.199	134167	62746	0.468	0.125	
5.286	1594744	472179	0.296	0.944	8 AROCLOR-1260
5.421	2639494	990021	0.375	1.979	
5.536	30844	20000	0.648	0.039	
5.595	198554	63569	0.320	0.127	
5.676	1948600	589453	0.303	1.178	8 AROCLOR-1260
5.788	235739	119851	0.508	0.239	
5.828	396898	194575	0.490	0.389	
5.888	169726	88759	0.523	0.177	
6.002	250898	79218	0.316	0.158	
6.052	244193	121443	0.497	0.242	
6.098	105876	58381	0.551	0.116	
6.146	452077	221985	0.491	0.443	
6.205	509955	197837	0.388	0.395	
6.259	124615	62691	0.503	0.125	
6.308	470819	161467	0.343	0.322	
6.371	281685	132137	0.469	0.264	
6.411	399021	141462	0.355	0.282	
6.529	938395	500959	0.534	1.001	8 AROCLOR-1260
6.583	126267	64284	0.509	0.128	
6.631	251622	79621	0.316	0.159	
6.723	613945	185602	0.302	0.371	
6.803	225896	117397	0.520	0.234	
6.866	1265761	417957	0.330	0.835	8 AROCLOR-1260
6.928	747423	239888	0.321	0.479	
6.998	390216	184053	0.472	0.368	
7.074	26821	919	0.034	0.001	
7.171	477439	204504	0.428	0.408	
7.249	785055	189209	0.241	0.378	
7.318	346811	144423	0.416	0.288	
7.361	76389	48351	0.633	0.096	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\007F0701.D
 Report Date: 30-Oct-2007 09:19

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.432	401895	151243	0.376	0.302	
7.476	280896	154854	0.551	0.309	
7.508	420414	217552	0.517	0.435	
7.556	666540	267933	0.402	0.535	
7.617	202412	96471	0.477	0.192	
7.732	574920	148310	0.258	0.296	
7.763	320925	148164	0.462	0.296	
7.832	1052234	240413	0.228	0.480	
7.963	188334	71350	0.379	0.142	
8.021	155250	90085	0.580	0.180	
8.068	2064857	1054386	0.511	2.108	\$ 9 DCB
8.118	131627	83534	0.635	0.167	
8.147	134716	69884	0.519	0.139	
8.188	84013	45053	0.536	0.090	
8.228	21309	14841	0.696	0.029	
8.278	68655	31552	0.460	0.063	
8.315	39079	22639	0.579	0.045	
8.363	67187	28723	0.428	0.057	
8.459	22379	11543	0.516	0.023	
8.538	99734	35412	0.355	0.070	
8.601	39117	22453	0.574	0.044	
8.676	35211	18476	0.525	0.036	
8.730	10345	6966	0.673	0.013	
8.805	66179	30304	0.458	0.060	
8.872	59151	20126	0.340	0.040	
8.944	6650	7199	1.083	0.014	
9.010	42151	17588	0.417	0.035	
9.081	4790	3600	0.752	0.007	
9.123	4086	1875	0.459	0.003	
9.230	22650	9294	0.410	0.018	
9.289	2835	2499	0.882	0.004	
9.354	20734	12305	0.593	0.024	
9.420	27263	11493	0.422	0.022	
9.510	27220	13890	0.510	0.027	
9.641	140343	41964	0.299	0.083	
9.727	154859	43680	0.282	0.087	
9.803	74254	27277	0.367	0.054	
9.905	454192	88151	0.194	0.176	
10.051	148669	46658	0.314	0.093	
10.203	34919	13782	0.395	0.027	
10.308	102725	36305	0.353	0.072	
10.435	682424	87059	0.128	0.174	
10.564	163319	45171	0.277	0.090	
10.676	173374	62383	0.360	0.124	
10.737	57478	20540	0.357	0.041	
10.933	171610	32199	0.188	0.064	
11.154	116985	21579	0.184	0.043	
11.310	715270	131596	0.184	0.263	
	97241215	50005697		100.000	

Total unknown % height = 82.46

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-102907-AH-26097

GC Semivolatiles

Lot-Sample #....: A7J290197-003 Work Order #....: J94DV1AA Matrix.....: SO
 Date Sampled...: 10/29/07 10:23 Date Received...: 10/29/07
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30.01 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 26 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	45	ug/kg
Aroclor 1221	ND	45	ug/kg
Aroclor 1232	ND	45	ug/kg
Aroclor 1242	ND	45	ug/kg
Aroclor 1248	1500	45	ug/kg
Aroclor 1254	ND	45	ug/kg
Aroclor 1260	580	45	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	92	(10 - 196)
Decachlorobiphenyl	106	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
Report Date: 30-Oct-2007 08:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
Lab Smp Id: J94DV1AA Client Smp ID: S-387-102907-AH-260
Inj Date : 29-OCT-2007 20:06
Operator : 402338 Inst ID: B2.i
Smp Info : J94DV1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.010	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.057	2.058	-0.001		1963820	0.04582	15.27	

2	AROCLOR-1221					CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
 Report Date: 30-Oct-2007 08:21

CONCENTRATIONS								
RT	EXP RT	DLT RT	RESPONSE (	ng)	ON-COL	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242					CAS #: 53469-21-9			
Compound Not Detected								

6 AROCLOR-1248					CAS #: 12672-29-6			
2.527	2.527	0.000	618950	0.85364	284.4	75.00-	125.00	100.00(M)
3.143	3.145	-0.002	3916469	3.17592	1058	129.13-	215.22	632.76
3.350	3.353	-0.003	5455471	2.67596	891.7	212.84-	354.73	881.41
3.434	3.437	-0.003	5071733	4.56639	1522	118.78-	197.96	819.41
4.588	4.592	-0.004	5767950	5.40924	1802	114.23-	190.39	931.89
Average of Peak Concentrations =					1112			

7 AROCLOR-1254					CAS #: 11097-69-1			
Compound Not Detected								

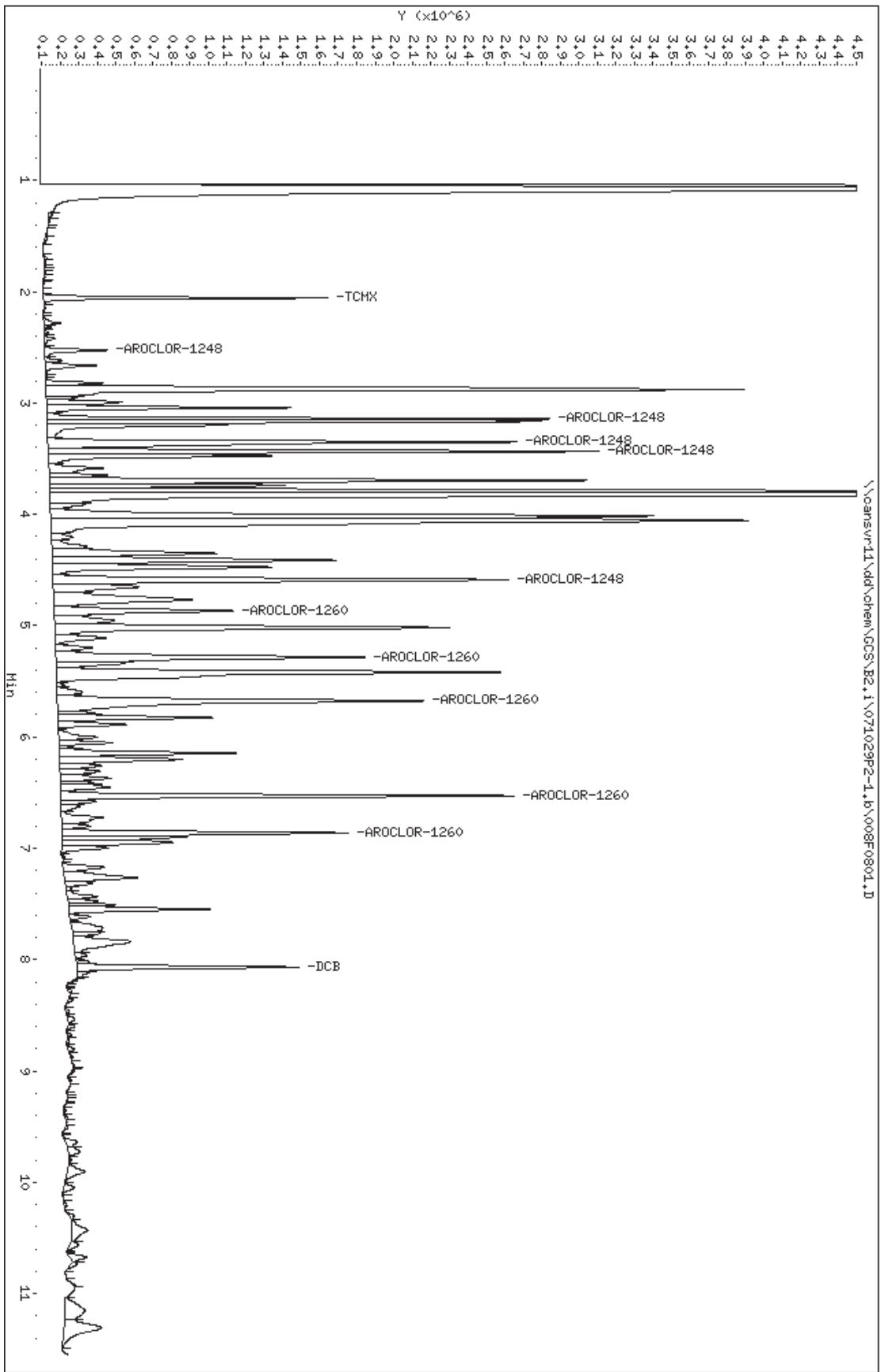
8 AROCLOR-1260					CAS #: 11096-82-5			
4.867	4.873	-0.006	2467775	1.15781	385.8	80.00-	120.00	100.00(M)
5.283	5.288	-0.005	4453321	1.33694	445.5	118.21-	197.01	180.46
5.675	5.682	-0.007	5889295	1.54853	516.0	140.04-	233.40	238.65
6.528	6.533	-0.005	4536058	1.08489	361.5	152.39-	253.99	183.81
6.861	6.863	-0.002	3086813	1.29172	430.4	84.59-	140.99	125.08
Average of Peak Concentrations =					427.8			

9 DCB					CAS #: 2051-24-3			
8.067	8.071	-0.004	2209344	0.05279	17.59			

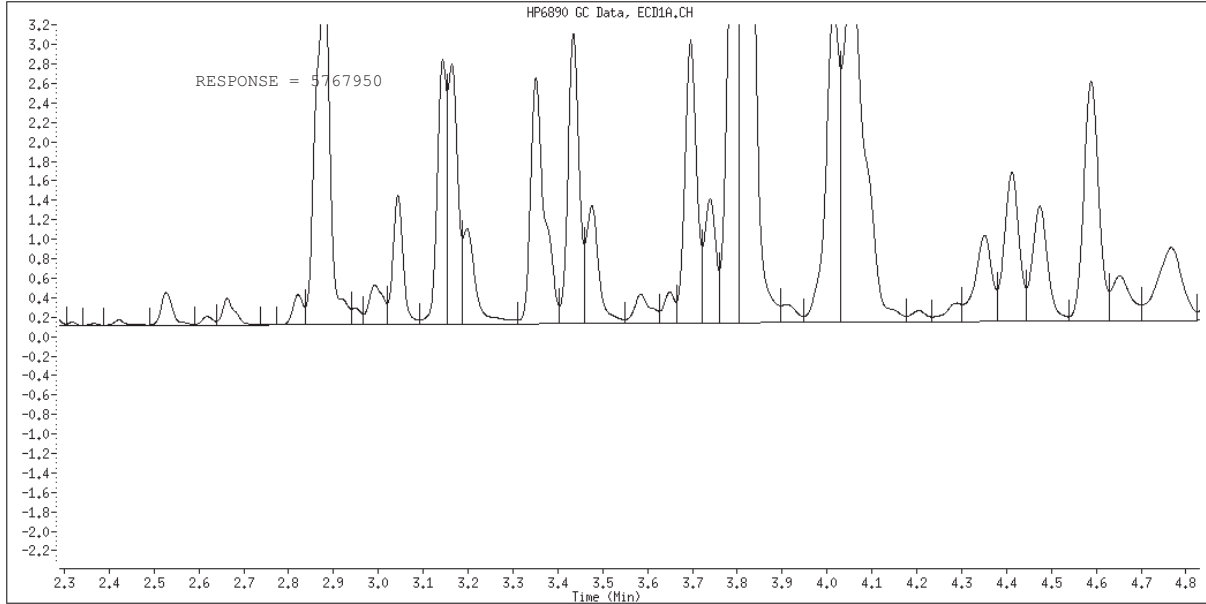
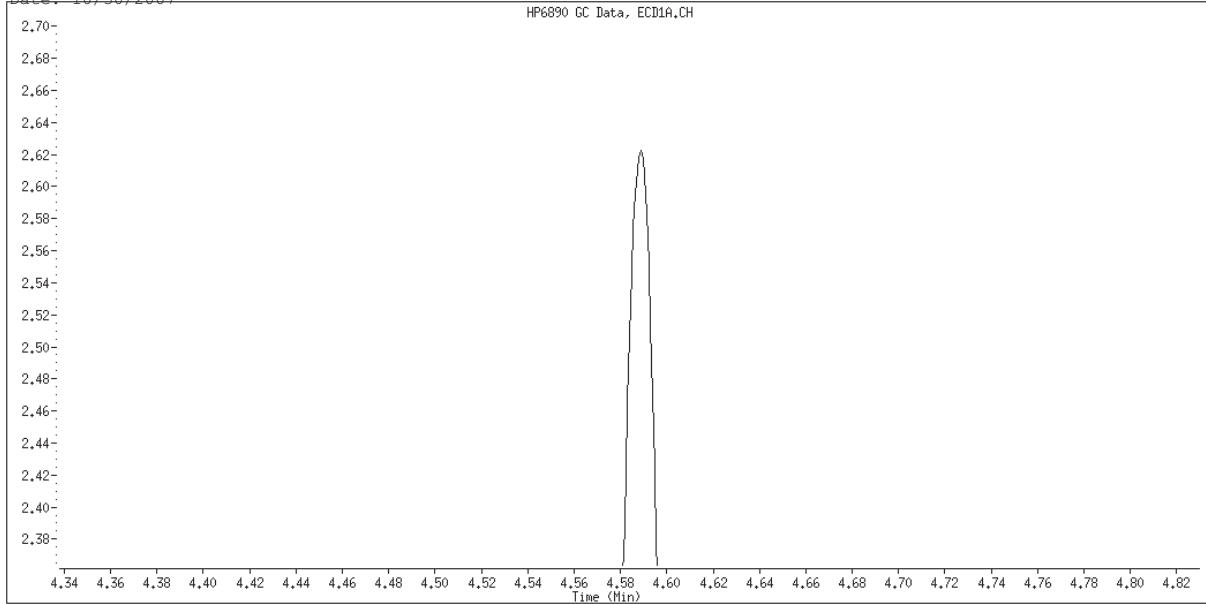
QC Flag Legend

M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\008F0801.D
 Date: 29-OCT-2007 20:06
 Client ID: S-387-102907-4H-260
 Sample Info: J94D\1A9.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1
 Instrument: B2.1
 Operator: 402338
 Column diameter: 0.53

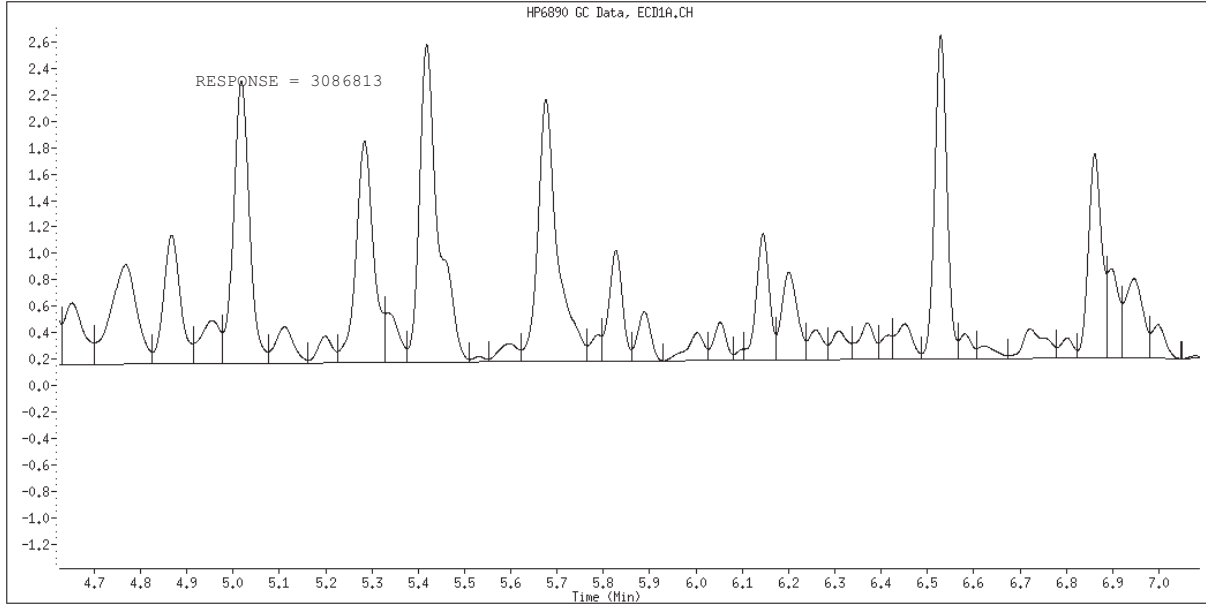
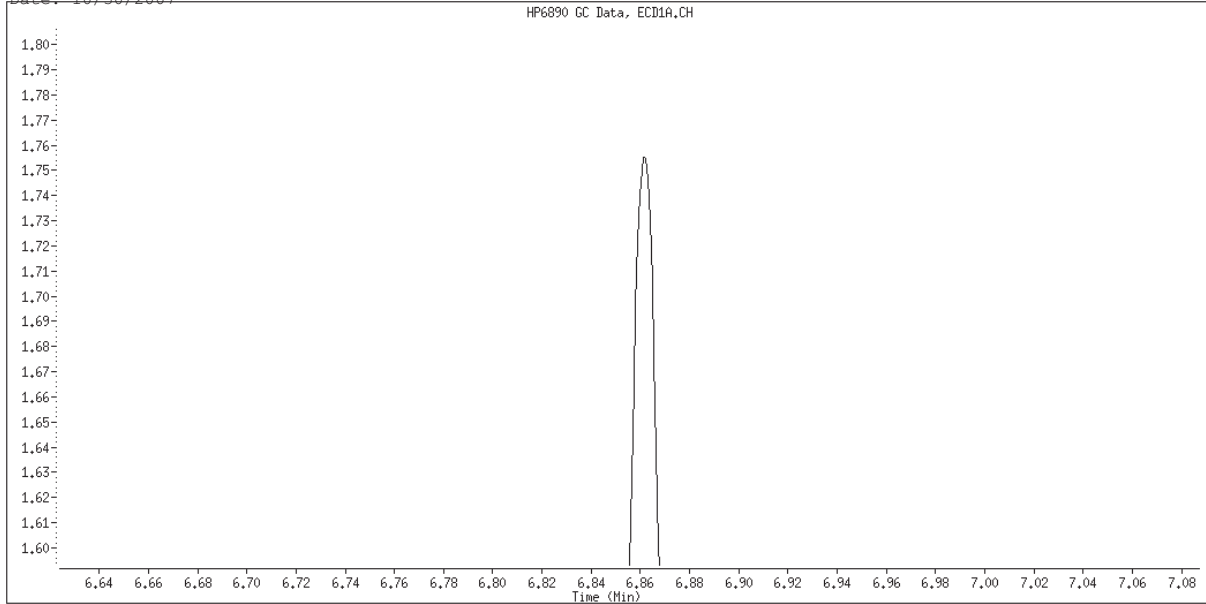


Data File Name: 008F0801.D
Inj. Date and Time: 29-OCT-2007 20:06
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/30/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 008F0801.D
Inj. Date and Time: 29-OCT-2007 20:06
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
 Report Date: 30-Oct-2007 08:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
 Lab Smp Id: J94DV1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 20:06
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DV1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.010	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	9494634	11794683	1.242	12.917	
1.308	38837	16922	0.436	0.018	
1.357	14131	7268	0.514	0.007	
1.413	6524	6473	0.992	0.007	
1.451	22648	6843	0.302	0.007	
1.521	41285	10553	0.256	0.011	
1.697	31152	22292	0.716	0.024	
1.728	15481	9625	0.622	0.010	
1.771	5879	4537	0.772	0.004	
1.821	12520	11635	0.929	0.012	
1.868	7800	6600	0.846	0.007	
1.930	3660	2518	0.688	0.002	
2.057	1963820	1538565	0.783	1.675	\$ 1 TCMX
2.150	23497	10145	0.432	0.011	
2.281	158036	92249	0.584	0.100	
2.317	45485	36970	0.813	0.040	
2.366	33495	23022	0.687	0.025	
2.421	121726	61207	0.503	0.066	
2.527	618950	337766	0.546	0.367	6 AROCLOR-1248
2.618	154471	89726	0.581	0.097	
2.663	535873	274606	0.512	0.299	
2.752	15723	9994	0.636	0.010	
2.821	482303	311316	0.645	0.339	
2.881	8319275	3774056	0.454	4.110	
2.949	243068	169493	0.697	0.184	

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
 Report Date: 30-Oct-2007 08:21

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
=====	=====	=====	=====	=====	=====
2.991	889299	406232	0.457	0.442	
3.043	2110234	1322384	0.627	1.440	
3.143	3916470	2715261	0.693	2.957	6 AROCLOR-1248
3.164	3994075	2669293	0.668	2.907	
3.198	1903477	978671	0.514	1.066	
3.351	5455472	2530790	0.464	2.756	6 AROCLOR-1248
3.435	5071734	2975195	0.587	3.240	6 AROCLOR-1248
3.476	2376371	1206239	0.508	1.313	
3.585	755406	297263	0.394	0.323	
3.649	530658	316197	0.596	0.344	
3.696	5304619	2903103	0.547	3.162	
3.740	2216643	1274916	0.575	1.388	
3.792	8101393	4892290	0.604	5.329	
3.824	14223085	6868618	0.483	7.481	
3.911	433698	187866	0.433	0.204	
4.015	6884060	3258425	0.473	3.549	
4.056	12059603	3767670	0.312	4.104	
4.205	284612	115165	0.405	0.125	
4.289	457481	190535	0.416	0.207	
4.351	2316484	886905	0.383	0.966	
4.412	3517687	1533323	0.436	1.670	
4.474	2814724	1182165	0.420	1.287	
4.589	5767950	2462722	0.427	2.682	6 AROCLOR-1248
4.652	1347912	464470	0.345	0.505	
4.767	2972248	751134	0.253	0.818	
4.867	2467776	971009	0.393	1.057	8 AROCLOR-1260
4.955	954678	323960	0.339	0.352	
5.018	5091961	2132658	0.419	2.323	
5.111	759992	273718	0.360	0.298	
5.199	442415	200426	0.453	0.218	
5.284	4453321	1671110	0.375	1.820	8 AROCLOR-1260
5.334	735299	376286	0.512	0.409	
5.419	6843368	2400988	0.351	2.615	
5.531	72726	40554	0.558	0.044	
5.596	391058	134906	0.345	0.146	
5.676	5889296	1977287	0.336	2.153	8 AROCLOR-1260
5.788	308540	197664	0.641	0.215	
5.826	1714799	836336	0.488	0.911	
5.889	733701	370039	0.504	0.403	
6.002	534820	208573	0.390	0.227	
6.052	538179	288204	0.536	0.313	
6.101	91953	83202	0.905	0.090	
6.145	1892545	955690	0.505	1.041	
6.201	1577096	662123	0.420	0.721	
6.259	489168	226695	0.463	0.246	
6.308	514777	215509	0.419	0.234	
6.371	631047	274505	0.435	0.299	
6.417	299440	181735	0.607	0.197	
6.451	651839	268493	0.412	0.292	
6.528	4536058	2445538	0.539	2.663	8 AROCLOR-1260
6.581	342425	188898	0.552	0.205	
6.623	262947	97973	0.373	0.106	
6.721	772581	223837	0.290	0.243	
6.801	295815	152465	0.515	0.166	
6.861	3086814	1544441	0.500	1.682	8 AROCLOR-1260
6.896	1175681	673256	0.573	0.733	
6.946	1565545	596475	0.381	0.649	

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\008F0801.D
 Report Date: 30-Oct-2007 08:21

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
6.998	497873	250549	0.503	0.272	
7.079	25952	15351	0.592	0.016	
7.170	538398	223568	0.415	0.243	
7.265	1276591	395527	0.310	0.430	
7.316	281253	147765	0.525	0.160	
7.362	40183	26591	0.662	0.028	
7.431	349698	165497	0.473	0.180	
7.476	256679	161068	0.628	0.175	
7.507	405607	250235	0.617	0.272	
7.546	1547054	762958	0.493	0.831	
7.614	200950	111332	0.554	0.121	
7.710	653323	171471	0.262	0.186	
7.762	312644	151998	0.486	0.165	
7.836	1411416	310904	0.220	0.338	
7.961	135370	66480	0.491	0.072	
8.021	93943	66264	0.705	0.072	
8.067	2209344	1192457	0.540	1.298	\$ 9 DCB
8.114	134263	66925	0.498	0.072	
8.187	31860	25651	0.805	0.027	
8.227	4711	4362	0.926	0.004	
8.281	34240	20860	0.609	0.022	
8.321	5181	5315	1.026	0.005	
8.362	49637	27564	0.555	0.030	
8.462	33124	17347	0.524	0.018	
8.534	101524	36346	0.358	0.039	
8.598	67305	36972	0.549	0.040	
8.678	43605	23102	0.530	0.025	
8.729	23482	12651	0.539	0.013	
8.804	75137	36019	0.479	0.039	
8.874	24734	12421	0.502	0.013	
8.947	17003	10994	0.647	0.011	
9.004	35110	15918	0.453	0.017	
9.084	25212	14302	0.567	0.015	
9.217	3751	4906	1.308	0.005	
9.246	6004	4811	0.801	0.005	
9.288	6837	3028	0.443	0.003	
9.354	28163	16778	0.596	0.018	
9.420	16269	8646	0.531	0.009	
9.461	4774	3829	0.802	0.004	
9.510	34696	17709	0.510	0.019	
9.639	195276	64934	0.333	0.070	
9.726	224756	66043	0.294	0.071	
9.797	35259	16390	0.465	0.017	
9.904	434547	100913	0.232	0.109	
10.047	175260	57867	0.330	0.063	
10.206	41244	16732	0.406	0.018	
10.306	70910	26346	0.372	0.028	
10.430	485504	86495	0.178	0.094	
10.562	143699	45338	0.316	0.049	
10.674	246755	88904	0.360	0.096	
10.734	74312	27863	0.375	0.030	
10.925	32330	13793	0.427	0.015	
11.154	848682	109454	0.129	0.119	
11.308	1306625	205857	0.158	0.224	
	183591392	91803849		100.000	

Total unknown % height = 75.65

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-102907-AH-26098

GC Semivolatiles

Lot-Sample #....: A7J290197-004 Work Order #....: J94DW1AA Matrix.....: SO
 Date Sampled...: 10/29/07 10:35 Date Received...: 10/29/07
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30.15 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 29 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	46	ug/kg
Aroclor 1221	ND	46	ug/kg
Aroclor 1232	ND	46	ug/kg
Aroclor 1242	ND	46	ug/kg
Aroclor 1248	170	46	ug/kg
Aroclor 1254	ND	46	ug/kg
Aroclor 1260	67	46	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	80	(10 - 196)
Decachlorobiphenyl	119	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Report Date: 30-Oct-2007 09:20

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Lab Smp Id: J94DW1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 20:20
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DW1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.150	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.057	2.057	0.000	1717675	0.04008	13.29		

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Report Date: 30-Oct-2007 09:20

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	0	0.0000	0.0000	75.00- 125.00	0.00 (M)
3.143	3.145	-0.002	326648	0.26488	87.86	129.13- 215.22	0.00
3.351	3.353	-0.002	341973	0.16774	55.64	212.84- 354.73	0.00
3.435	3.437	-0.002	489856	0.44105	146.3	118.78- 197.96	0.00
4.588	4.592	-0.004	652936	0.61233	203.1	114.23- 190.39	0.00
Average of Peak Concentrations =					123.2		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.867	4.867	0.000	228787	0.10734	35.60	80.00- 120.00	100.00 (M)
5.283	5.282	0.001	498136	0.14955	49.60	118.78- 197.97	217.73
5.675	5.677	-0.002	647350	0.17021	56.46	140.75- 234.58	282.95
6.527	6.528	-0.001	423102	0.10119	33.56	152.37- 253.95	184.93
6.862	6.860	0.002	449896	0.18827	62.44	85.18- 141.97	196.64
Average of Peak Concentrations =					47.53		

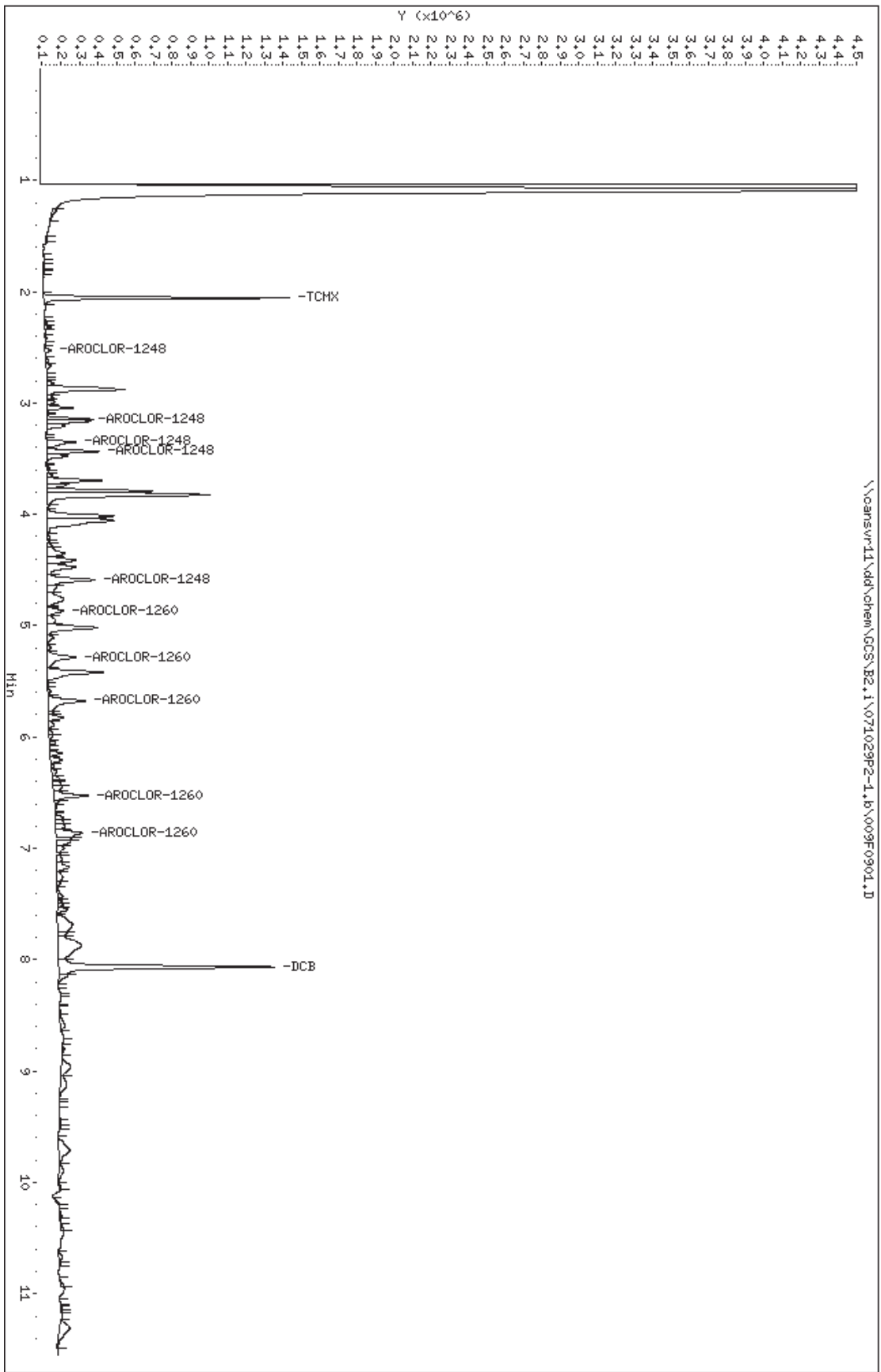
9 DCB			CAS #: 2051-24-3				
8.066	8.066	0.000	2495756	0.05964	19.78		(M)

QC Flag Legend

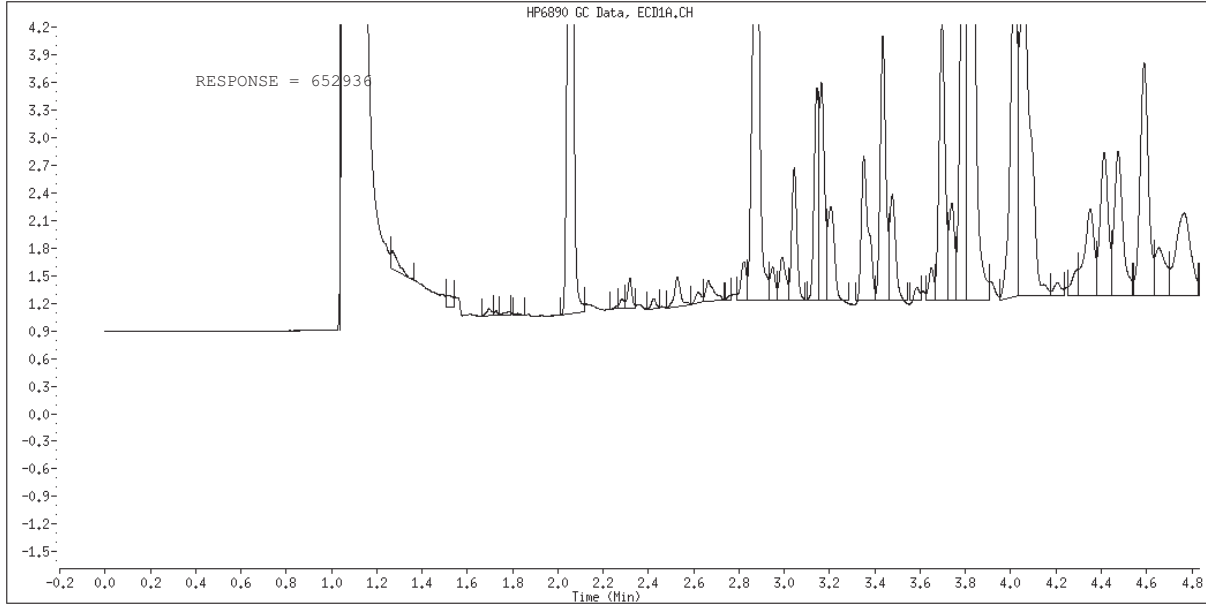
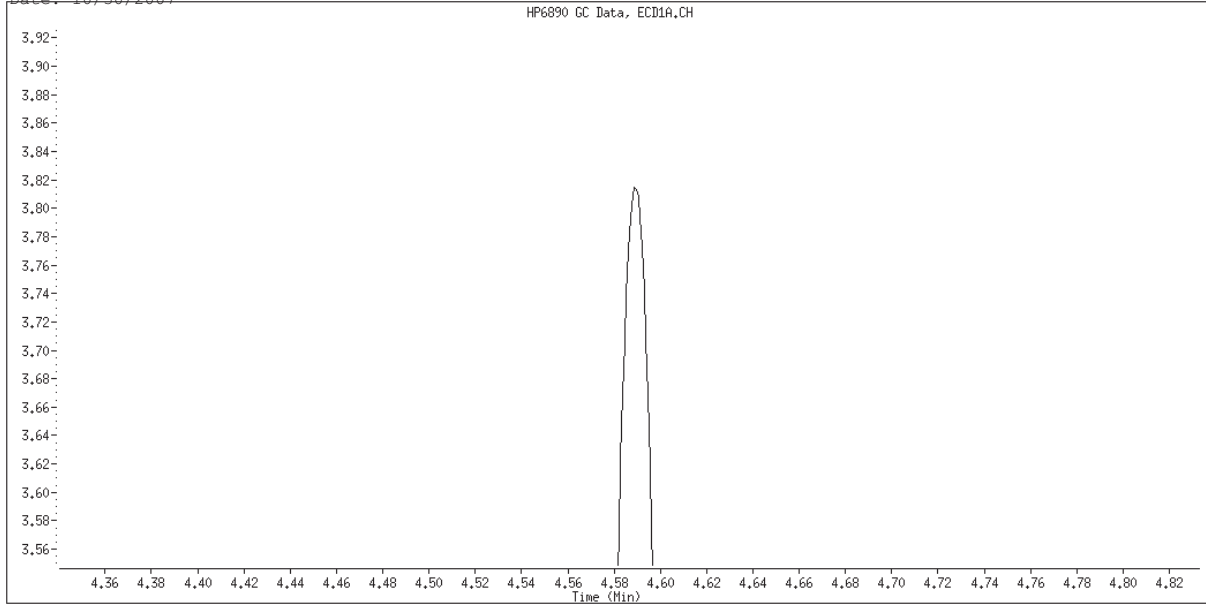
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.6\009F0901.D
 Date: 29-OCT-2007 20:20
 Client ID: S-387-102907-4H-260
 Sample Info: J940H1A4.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: B2.1
 Operator: 402338
 Column diameter: 0.53

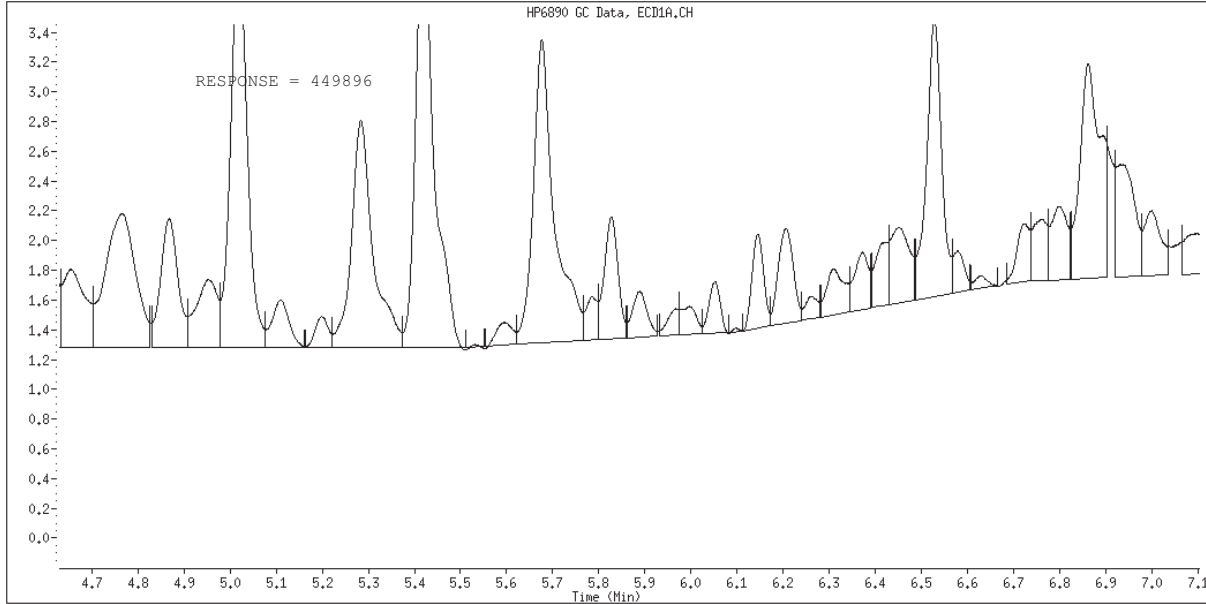
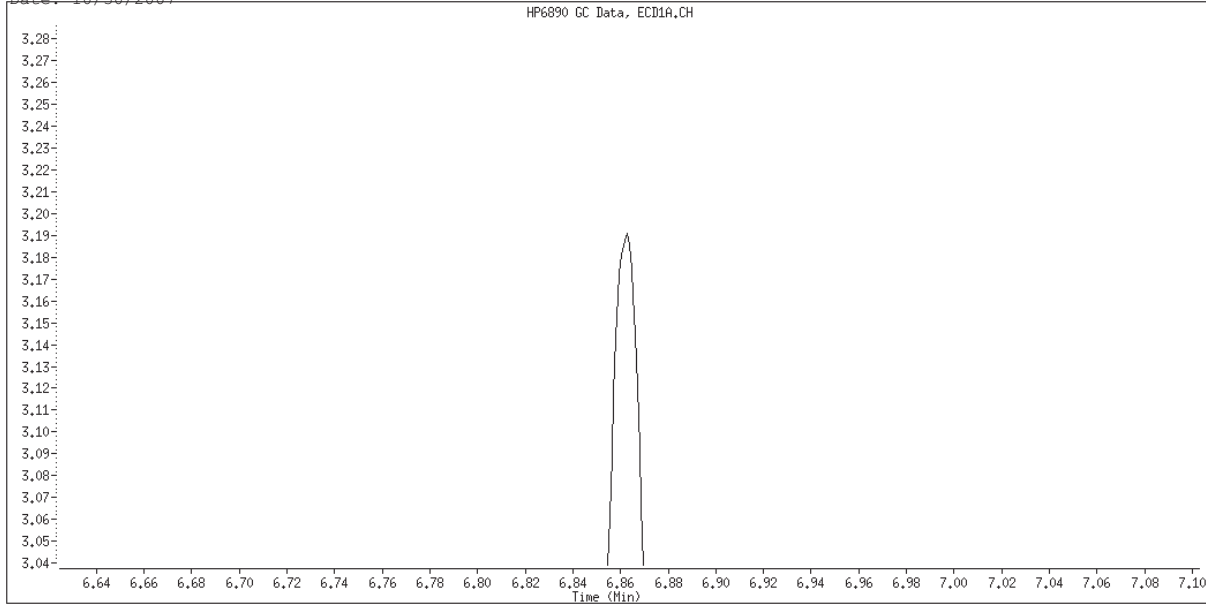


Data File Name: 009F0901.D
Inj. Date and Time: 29-OCT-2007 20:20
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/30/2007



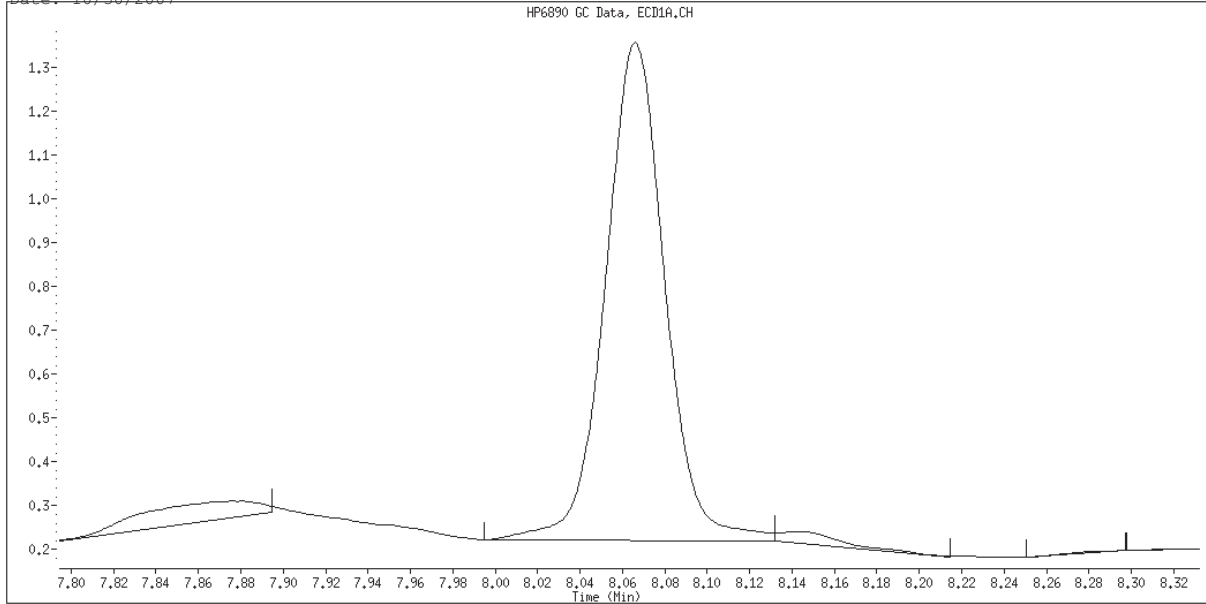
Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 009F0901.D
Inj. Date and Time: 29-OCT-2007 20:20
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007

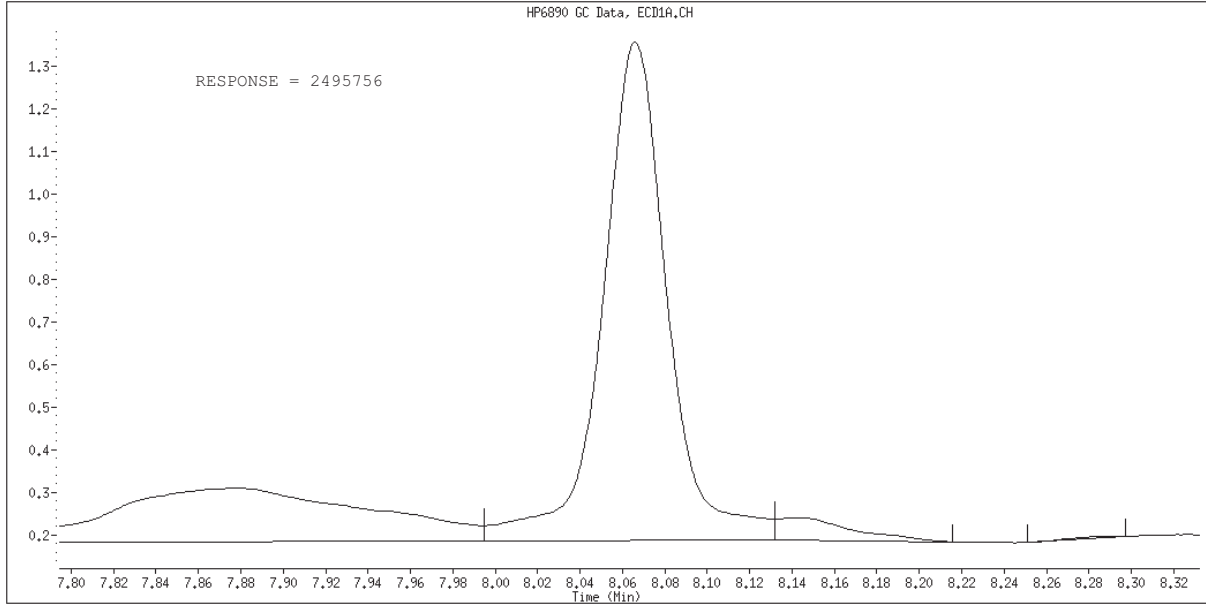


Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 009F0901.D
Inj. Date and Time: 29-OCT-2007 20:20
Instrument ID: B2.i
Client ID: S-387-102907-AH-260
Compound Name: DCB
CAS #: 2051-24-3
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Report Date: 30-Oct-2007 09:20

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Lab Smp Id: J94DW1AA Client Smp ID: S-387-102907-AH-260
 Inj Date : 29-OCT-2007 20:20
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94DW1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.150	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	16740029	13914804	0.831	55.376	
1.270	47312	20124	0.425	0.079	
1.517	27482	12972	0.472	0.051	
1.697	10775	6973	0.647	0.027	
1.725	4225	4224	1.000	0.016	
1.770	6625	2601	0.393	0.010	
1.821	3209	2337	0.728	0.009	
2.057	1717675	1326462	0.772	5.272	\$ 1 TCMX
2.261	2910	2754	0.946	0.010	
2.283	13314	10160	0.763	0.040	
2.319	42998	32524	0.756	0.129	
2.422	14731	10577	0.718	0.042	
2.528	61460	31748	0.517	0.126	6 AROCLOR-1248
2.620	19518	10918	0.559	0.043	
2.664	55832	22686	0.406	0.090	
2.765	6164	5550	0.900	0.022	
2.821	70680	41740	0.591	0.165	
2.880	977264	422757	0.433	1.680	
2.949	57922	36172	0.624	0.143	
2.990	88870	46760	0.526	0.185	
3.044	227100	143634	0.632	0.570	
3.144	326649	230005	0.704	0.914	6 AROCLOR-1248
3.165	371153	236380	0.637	0.939	
3.206	202638	101173	0.499	0.402	
3.351	341973	156933	0.459	0.623	6 AROCLOR-1248

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Report Date: 30-Oct-2007 09:20

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.435	489856	286703	0.585	1.139	6 AROCLOR-1248
3.477	212424	114860	0.541	0.456	
3.586	18758	13669	0.729	0.054	
3.650	54063	35077	0.649	0.139	
3.697	561302	300824	0.536	1.195	
3.740	181425	105480	0.581	0.419	
3.792	954651	574117	0.601	2.282	
3.825	1887256	879752	0.466	3.497	
4.015	805954	360991	0.448	1.435	
4.056	1178498	362469	0.308	1.440	
4.207	34602	14184	0.410	0.056	
4.295	56410	28667	0.508	0.113	
4.351	284559	94878	0.333	0.377	
4.413	386463	155976	0.404	0.620	
4.475	424089	156466	0.369	0.621	
4.589	652937	253554	0.388	1.007	6 AROCLOR-1248
4.654	177732	52709	0.297	0.209	
4.767	413947	90021	0.217	0.357	
4.868	228787	86715	0.379	0.344	8 AROCLOR-1260
4.951	149403	45976	0.308	0.182	
5.018	682497	272158	0.399	1.081	
5.110	85329	32146	0.377	0.127	
5.199	41935	20904	0.498	0.083	
5.284	498137	152725	0.307	0.607	8 AROCLOR-1260
5.420	810608	300222	0.370	1.193	
5.532	397	1359	3.427	0.005	
5.595	37000	15060	0.407	0.059	
5.675	647350	203791	0.315	0.810	8 AROCLOR-1260
5.786	49115	28891	0.588	0.114	
5.827	173972	82091	0.472	0.326	
5.890	70395	30815	0.438	0.122	
5.968	30410	17940	0.590	0.071	
5.996	44495	18900	0.425	0.075	
6.053	58453	34800	0.595	0.138	
6.098	1863	2224	1.193	0.008	
6.145	111180	63129	0.568	0.250	
6.207	145576	63432	0.436	0.252	
6.260	28600	14815	0.518	0.058	
6.310	82726	30886	0.373	0.122	
6.372	81266	38384	0.472	0.152	
6.428	81708	42246	0.517	0.167	
6.450	143648	50835	0.354	0.202	
6.528	423102	187797	0.444	0.746	8 AROCLOR-1260
6.579	46283	27760	0.600	0.110	
6.631	15815	8251	0.522	0.032	
6.722	75410	38776	0.514	0.154	
6.761	90093	41071	0.456	0.163	
6.799	120099	49098	0.409	0.195	
6.863	449896	144486	0.321	0.574	8 AROCLOR-1260
6.931	213160	75699	0.355	0.300	
7.000	111636	43729	0.392	0.173	
7.099	89403	27133	0.303	0.107	
7.168	202897	69289	0.341	0.275	
7.261	117275	31213	0.266	0.124	
7.313	35953	18679	0.520	0.074	
7.430	84727	30508	0.360	0.121	
7.474	32287	21387	0.662	0.085	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\009F0901.D
 Report Date: 30-Oct-2007 09:20

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.509	54428	31966	0.587	0.127	
7.548	124434	57000	0.458	0.226	
7.680	559620	88248	0.158	0.350	
7.759	113104	53848	0.476	0.214	
7.875	1033638	126236	0.122	0.501	
8.066	2495757	1167978	0.468	4.642	\$ 9 DCB
8.142	132277	52227	0.395	0.207	
8.295	5720	1221	0.213	0.004	
8.357	11442	6196	0.542	0.024	
8.459	9466	5008	0.529	0.019	
8.590	94868	23862	0.252	0.094	
8.719	8654	3966	0.458	0.015	
8.802	32045	12588	0.393	0.050	
8.963	263586	47781	0.181	0.189	
9.124	220470	34404	0.156	0.136	
9.293	3579	2187	0.611	0.008	
9.468	7854	3903	0.497	0.015	
9.500	9025	5410	0.599	0.021	
9.713	443606	62068	0.140	0.246	
9.901	151188	29811	0.197	0.118	
10.045	26009	11811	0.454	0.046	
10.197	16883	4898	0.290	0.019	
10.300	32533	10037	0.309	0.039	
10.360	6517	2623	0.402	0.010	
10.425	25932	13648	0.526	0.054	
10.671	56073	20215	0.361	0.080	
10.730	12687	5940	0.468	0.023	
10.941	48806	18608	0.381	0.073	
11.088	2937	1836	0.625	0.007	
11.139	7256	6688	0.922	0.026	
11.158	10651	7636	0.717	0.030	
11.309	387107	57279	0.148	0.227	
	43014471	25155812		100.000	

Total unknown % height = 83.20

STANDARD DATA

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		
08-OCT-2007 19:36	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11	3-ar1248	

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09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
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08-OCT-2007 13:42 |12-ar1660td |
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Cal Level: 5 , Cal Amount: 2.00000

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\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
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Cal Level: 6 , Cal Amount: 4.00000

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\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
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Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

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09-OCT-2007 12:26 |2-ar1242 |
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08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
08-OCT-2007 19:36 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
08-OCT-2007 16:46 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\018F1801.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 14:24 |6-ar1660 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
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Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Calibration File Names:

Level 1: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\027F2701.D
Level 2: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\028F2801.D
Level 3: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\029F2901.D
Level 4: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\030F3001.D
Level 5: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\031F3101.D
Level 6: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\032F3201.D

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD
2 AROCLOR-1221(1)	631630	635680	590104	537818	514074	478597	564650	11.440
(2)	376430	365385	348072	320099	287597	262904	326748	13.734
(3)	1645930	1576660	1440216	1288442	1248275	1185848	1397562	13.371
3 AROCLOR-1016(1)	722330	749335	652596	706183	685606	666803	697142	5.163
(2)	1660950	1633930	1364112	1441096	1433089	1373020	1484366	8.779
(3)	3593310	3328715	2958570	3268445	3373015	3241803	3293976	6.265
(4)	1464140	1500765	1291114	1384743	1406189	1410237	1409531	5.111
(5)	1467660	1496500	1309642	1375307	1390717	1357520	1399558	5.007
4 AROCLOR-1232(1)	1093890	1069290	979002	1116628	1119510	1067918	1074373	4.813
(2)	752910	772530	706382	797164	816986	770574	769424	4.962
(3)	1607240	1718340	1550946	1828584	1912558	1878970	1749440	8.488
(4)	640830	705540	708110	785161	809385	804644	742278	9.145
(5)	630150	654225	648270	729674	751784	723016	689520	7.419
5 AROCLOR-1242(1)	845120	753950	698394	722505	819211	777041	769370	7.296
(2)	1409500	1469515	1342662	1406638	1384966	1320576	1388976	3.818
(3)	3077190	3012860	2867098	3146597	3174883	3132992	3068603	3.724
(4)	1316390	1402135	1305588	1345801	1388889	1351989	1351799	2.833
(5)	1276350	1404550	1290416	1380697	1375376	1357906	1347549	3.865
6 AROCLOR-1248(1)	824630	830520	740680	669486	658067	627044	725071	12.097
(2)	1387580	1333280	1219738	1152706	1155998	1149756	1233176	8.383
(3)	2245010	2165685	2051588	1899906	1918965	1951017	2038695	6.942
(4)	1188210	1161355	1123250	1060243	1056750	1074186	1110666	5.016
(5)	1087160	1142790	1101556	1019714	975721	1070941	1066314	5.615
7 AROCLOR-1254(1)	3441610	3291650	3094026	2877123	2900973	2808995	3069063	8.265
(2)	3895220	3678625	3503072	3286638	3394145	3313098	3511800	6.726
(3)	2944650	2746085	2804792	2591924	2687230	2634447	2734855	4.677
(4)	2595580	2448065	2457700	2228730	2282788	2217339	2371700	6.409
(5)	3969210	3804150	3764462	3482902	3627307	3573391	3703570	4.767

Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Compound	0.10000	0.20000	0.50000	1.000	2.000	4.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
8 AROCLOR-1260 (1)	2213240	2219030	1953660	2111211	2169444	2121944	2131421	4.593
(2)	3420230	3343315	3025928	3329113	3484712	3382534	3330972	4.793
(3)	3682190	3685840	3402928	3877669	4092114	4078182	3803154	6.989
(4)	4084980	3981090	3830818	4282983	4522348	4384508	4181121	6.238
(5)	2448370	2315010	2249732	2378774	2483236	2463049	2389695	3.874
\$ 1 TCMX	38555400	39754300	39457480	45468760	48194105	45711500	42856924	9.515
\$ 9 DCB	41449200	40735400	38289840	42835790	44443760	43341568	41849260	5.235

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
 Report Date: 08-Oct-2007 13:28

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 12:59
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,1
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 08-Oct-2007 13:27 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 12:59 Cal File: 002F0201.D
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 TCMX			CAS #: 877-09-8					
2.061	2.061	0.000	385554	0.01000	0.01000			

3 AROCLOR-1016			CAS #: 12674-11-2					
2.285	2.285	0.000	72233	0.10000	0.1000	0.00-	0.00	100.00
2.532	2.532	0.000	166095	0.10000	0.1000	0.00-	0.00	229.94
2.885	2.885	0.000	359331	0.10000	0.1000	0.00-	0.00	497.46
2.996	2.996	0.000	146414	0.10000	0.1000	0.00-	0.00	202.70
3.357	3.357	0.000	146766	0.10000	0.1000	0.00-	0.00	203.18
Average of Peak Amounts =			0.10000					

8 AROCLOR-1260			CAS #: 11096-82-5					
4.879	4.879	0.000	221324	0.10000	0.1000	0.00-	0.00	100.00 (M)
5.294	5.294	0.000	342023	0.10000	0.1000	0.00-	0.00	154.53
5.687	5.687	0.000	368219	0.10000	0.1000	0.00-	0.00	166.37
6.537	6.537	0.000	408498	0.10000	0.1000	0.00-	0.00	184.57
6.868	6.868	0.000	244837	0.10000	0.1000	0.00-	0.00	110.62
Average of Peak Amounts =			0.10000					

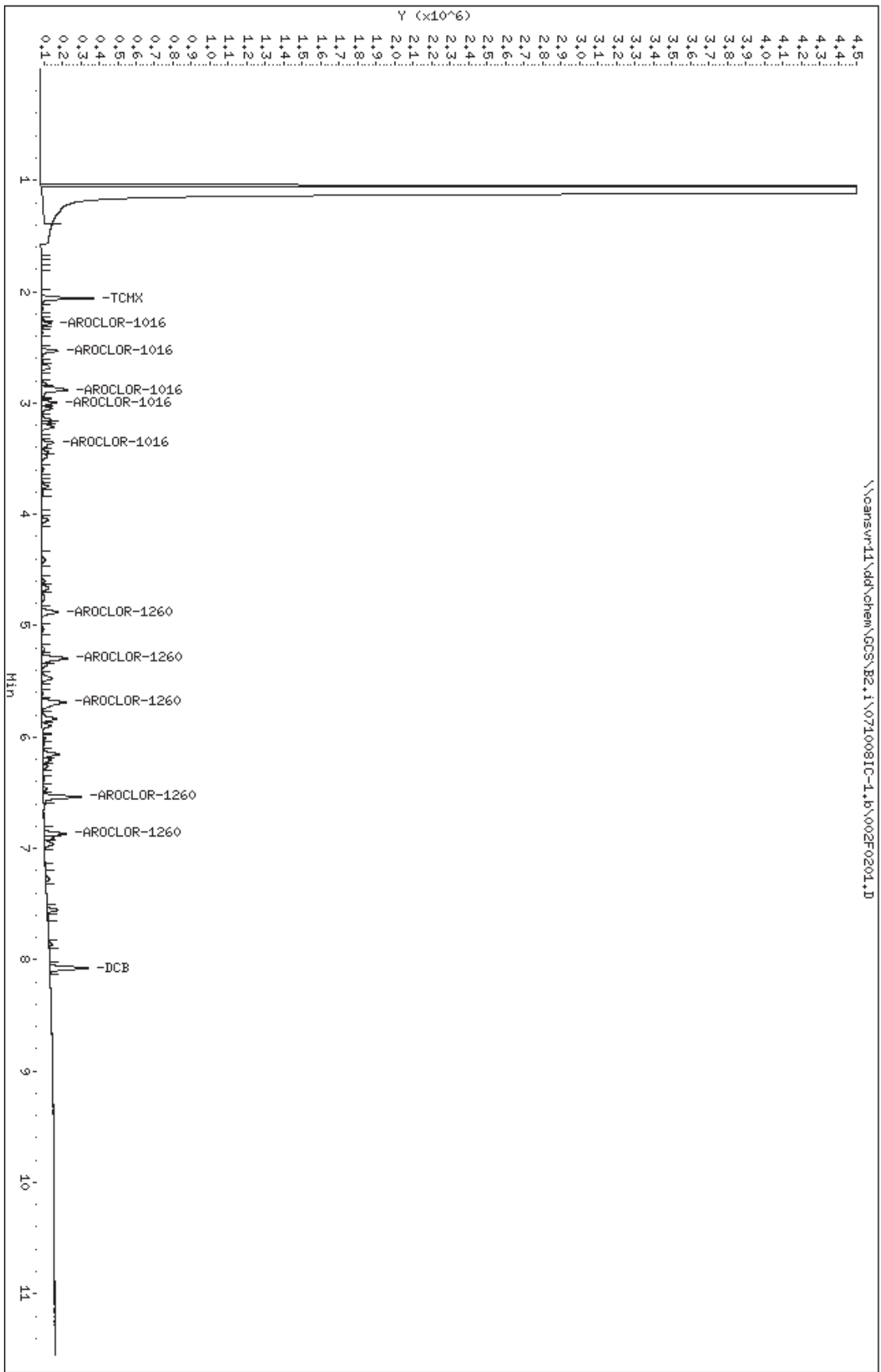
\$ 9 DCB			CAS #: 2051-24-3					
8.076	8.076	0.000	414492	0.01000	0.01000			

QC Flag Legend

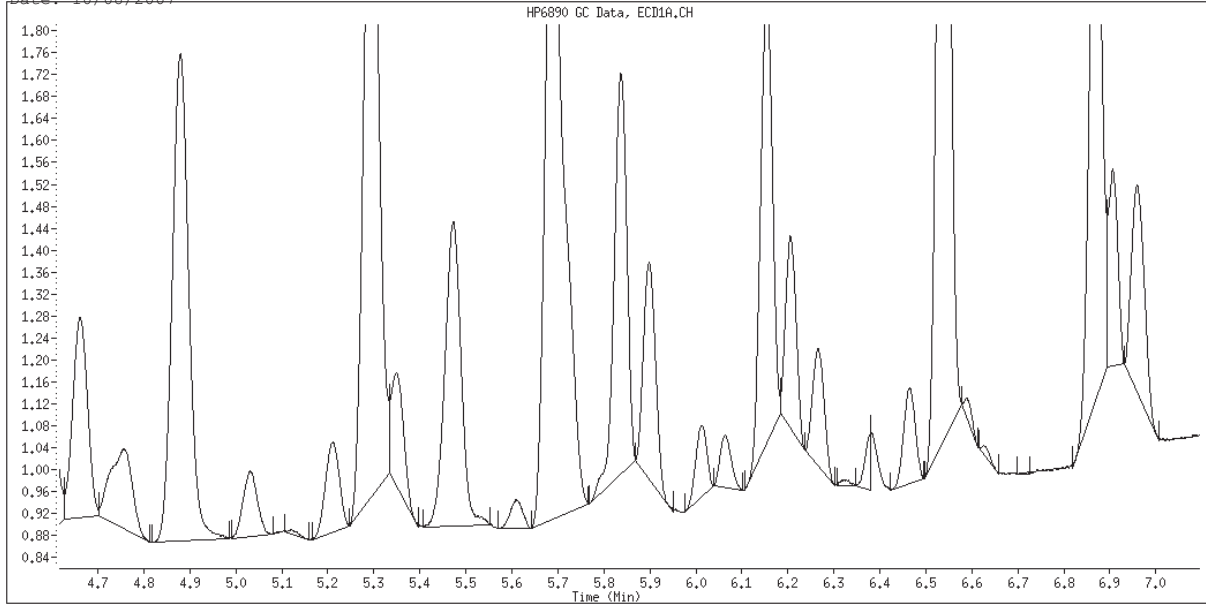
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\002F0201.D
 Date : 08-OCT-2007 12:59
 Client ID:
 Sample Info: 1660,1,1
 Column phase: restek pest c1p1

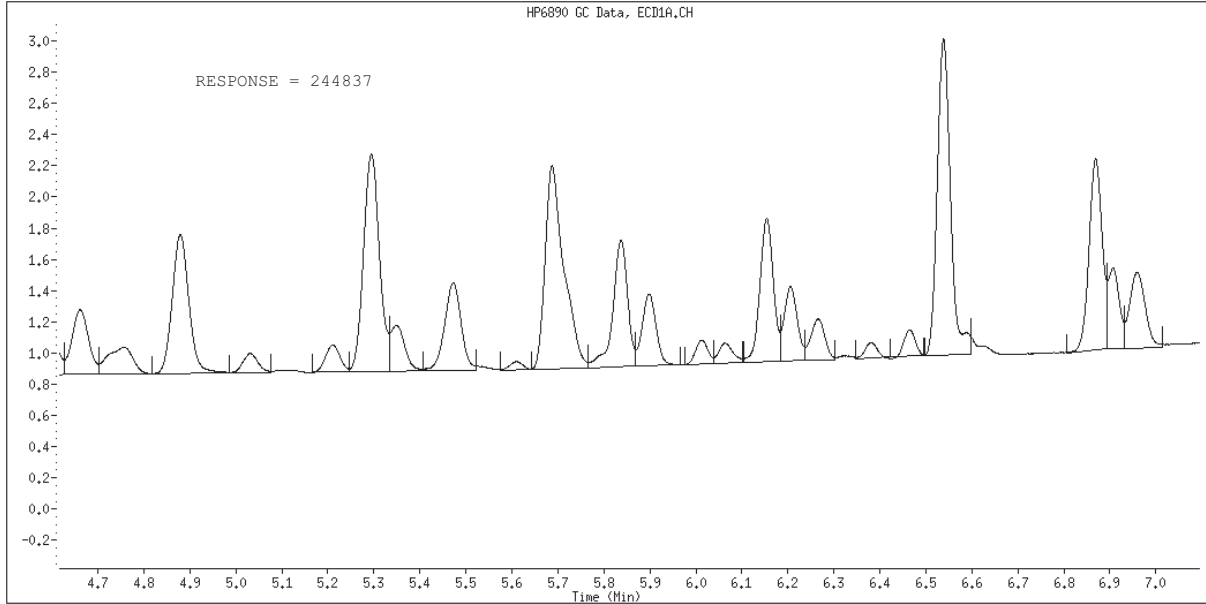
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 002F0201.D
Inj. Date and Time: 08-OCT-2007 12:59
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/08/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:13
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,2
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:13 Cal File: 003F0301.D
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8		
2.061	2.061	0.000	795086	0.02000	0.01855		

3	AROCLOR-1016				CAS #: 12674-11-2		
2.285	2.285	0.000	149867	0.20000	0.2025	75.00- 125.00	100.00 (M)
2.531	2.531	0.000	326786	0.20000	0.2202	129.14- 215.24	196.97
2.884	2.884	0.000	665743	0.20000	0.2021	292.90- 488.16	401.28
2.996	2.996	0.000	300153	0.20000	0.2129	124.09- 206.82	180.92
3.357	3.357	0.000	299300	0.20000	0.2138	123.25- 205.41	180.40
Average of Peak Amounts =			0.21030				

8	AROCLOR-1260				CAS #: 11096-82-5		
4.878	4.878	0.000	443806	0.20000	0.2087	75.00- 125.00	100.00 (M)
5.293	5.293	0.000	668663	0.20000	0.2010	118.27- 197.11	150.67
5.686	5.686	0.000	737168	0.20000	0.1940	137.75- 229.59	166.10
6.537	6.537	0.000	796218	0.20000	0.1905	152.15- 253.59	179.41
6.869	6.869	0.000	463002	0.20000	0.1937	84.51- 140.84	104.33
Average of Peak Amounts =			0.19758				

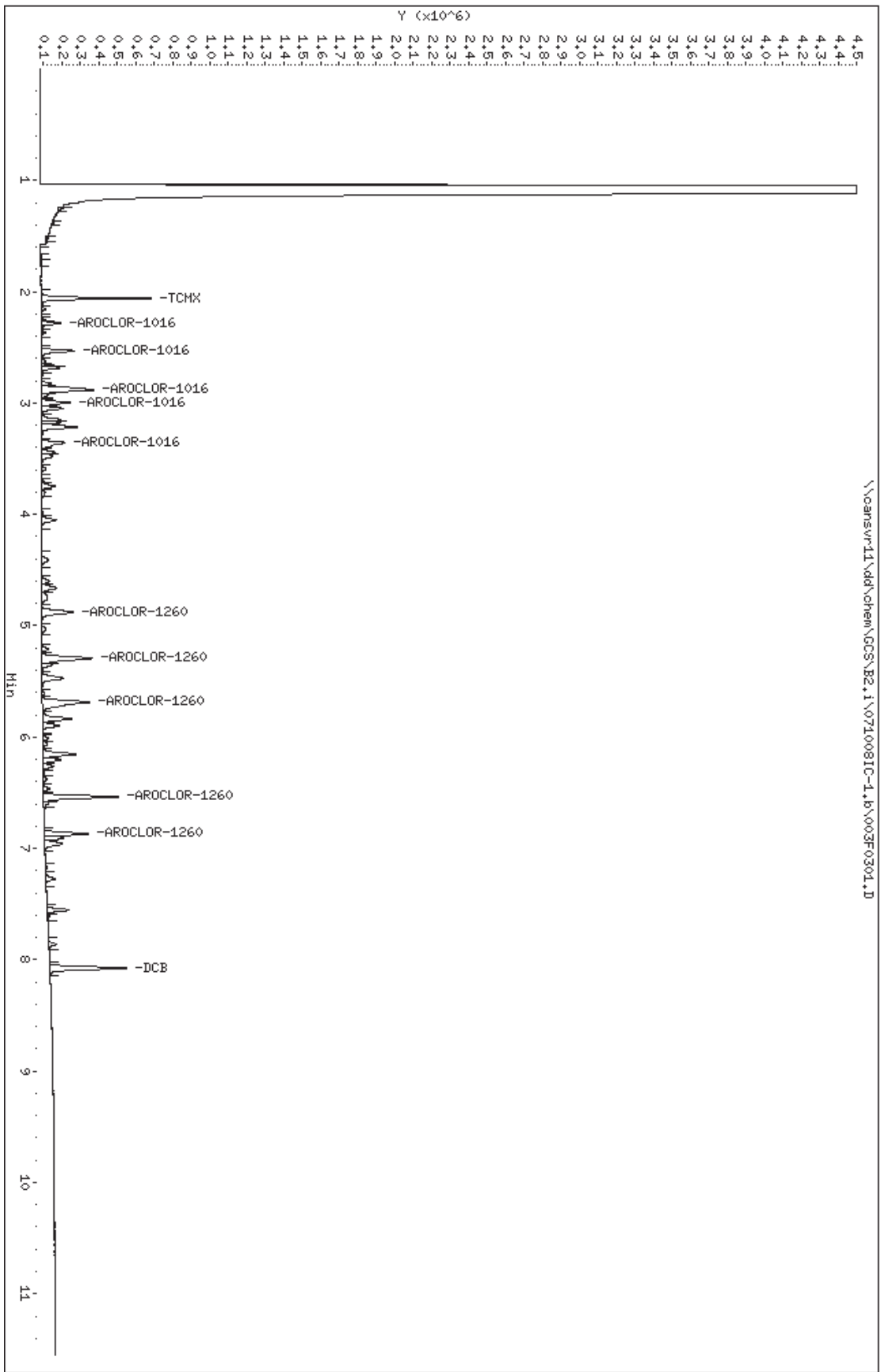
\$ 9	DCB				CAS #: 2051-24-3		
8.076	8.076	0.000	814708	0.02000	0.01947		

QC Flag Legend

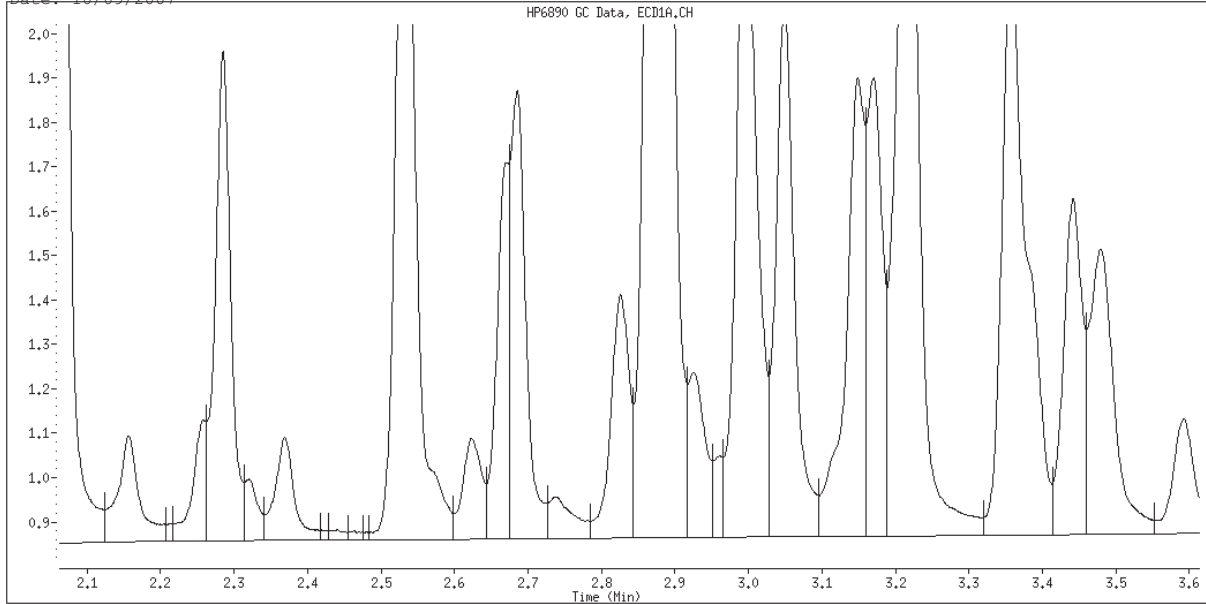
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.6\003F0301.D
 Date : 08-OCT-2007 13:13
 Client ID:
 Sample Info: 1660,1,2
 Column phase: restek pest c1p1

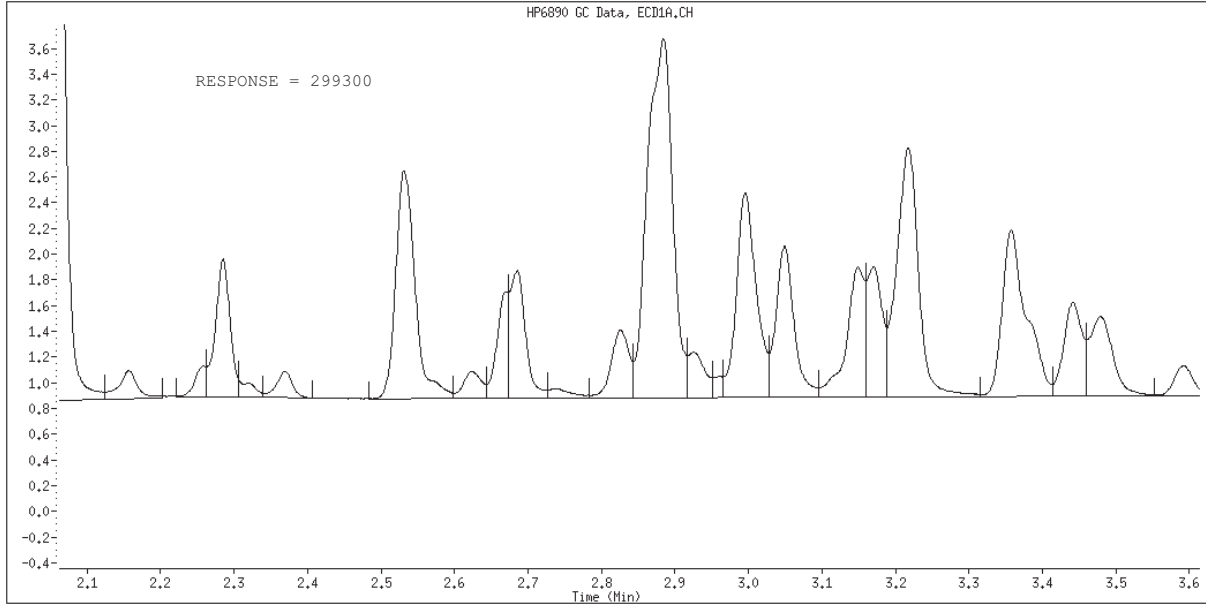
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



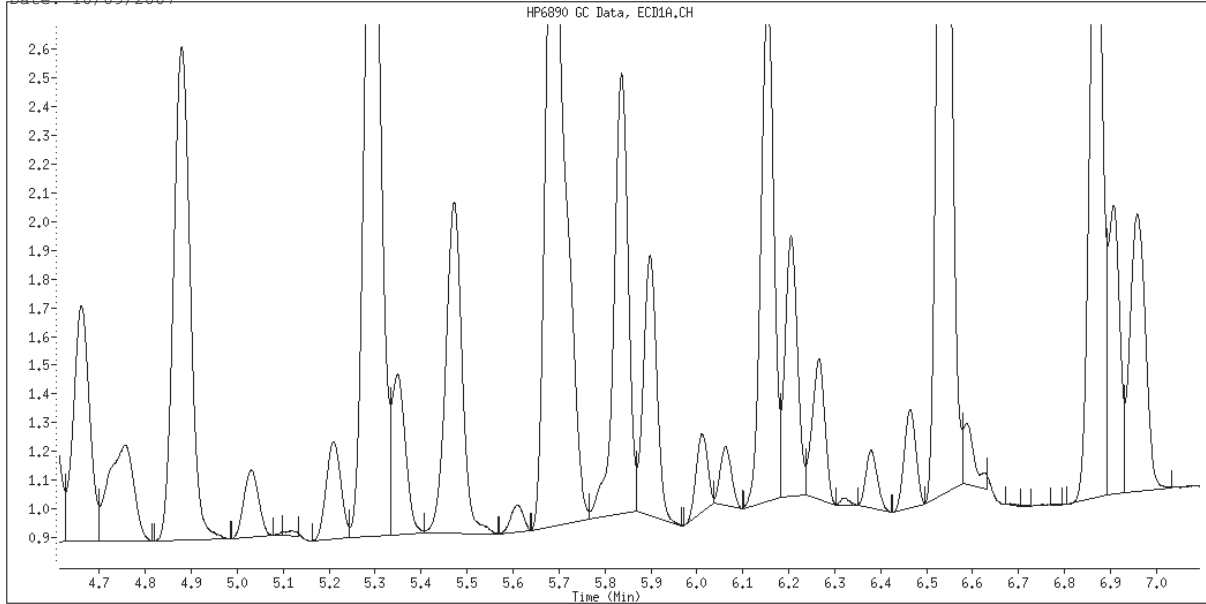
Original Integration



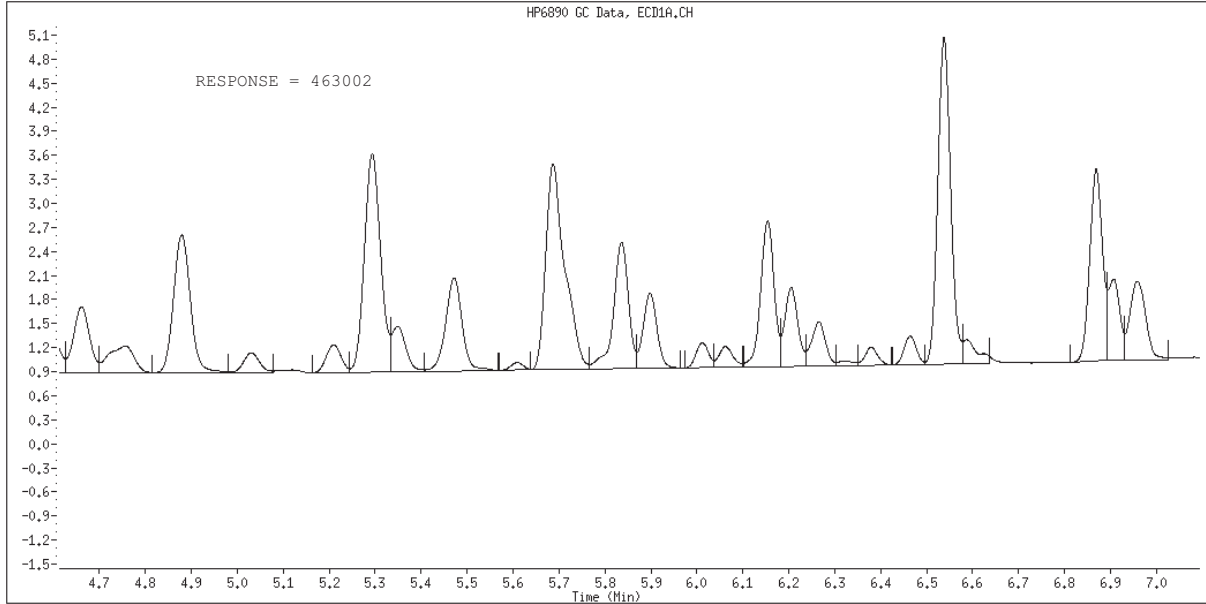
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:27
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,3
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:27 Cal File: 004F0401.D
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.060	2.060	0.000	1972874	0.05000	0.04603		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.284	2.284	0.000	326298	0.50000	0.4331	75.00-	125.00
2.530	2.530	0.000	682056	0.50000	0.4595	129.14-	215.24
2.883	2.883	0.000	1479285	0.50000	0.4491	292.90-	488.16
2.994	2.994	0.000	645557	0.50000	0.4580	124.09-	206.82
3.356	3.356	0.000	654821	0.50000	0.4679	123.25-	205.41
Average of Peak Amounts =			0.45352				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.877	4.877	0.000	976830	0.50000	0.4593	75.00-	125.00
5.292	5.292	0.000	1512964	0.50000	0.4548	118.27-	197.11
5.686	5.686	0.000	1701464	0.50000	0.4479	137.75-	229.59
6.536	6.536	0.000	1915409	0.50000	0.4584	152.15-	253.59
6.867	6.867	0.000	1124866	0.50000	0.4705	84.51-	140.84
Average of Peak Amounts =			0.45818				

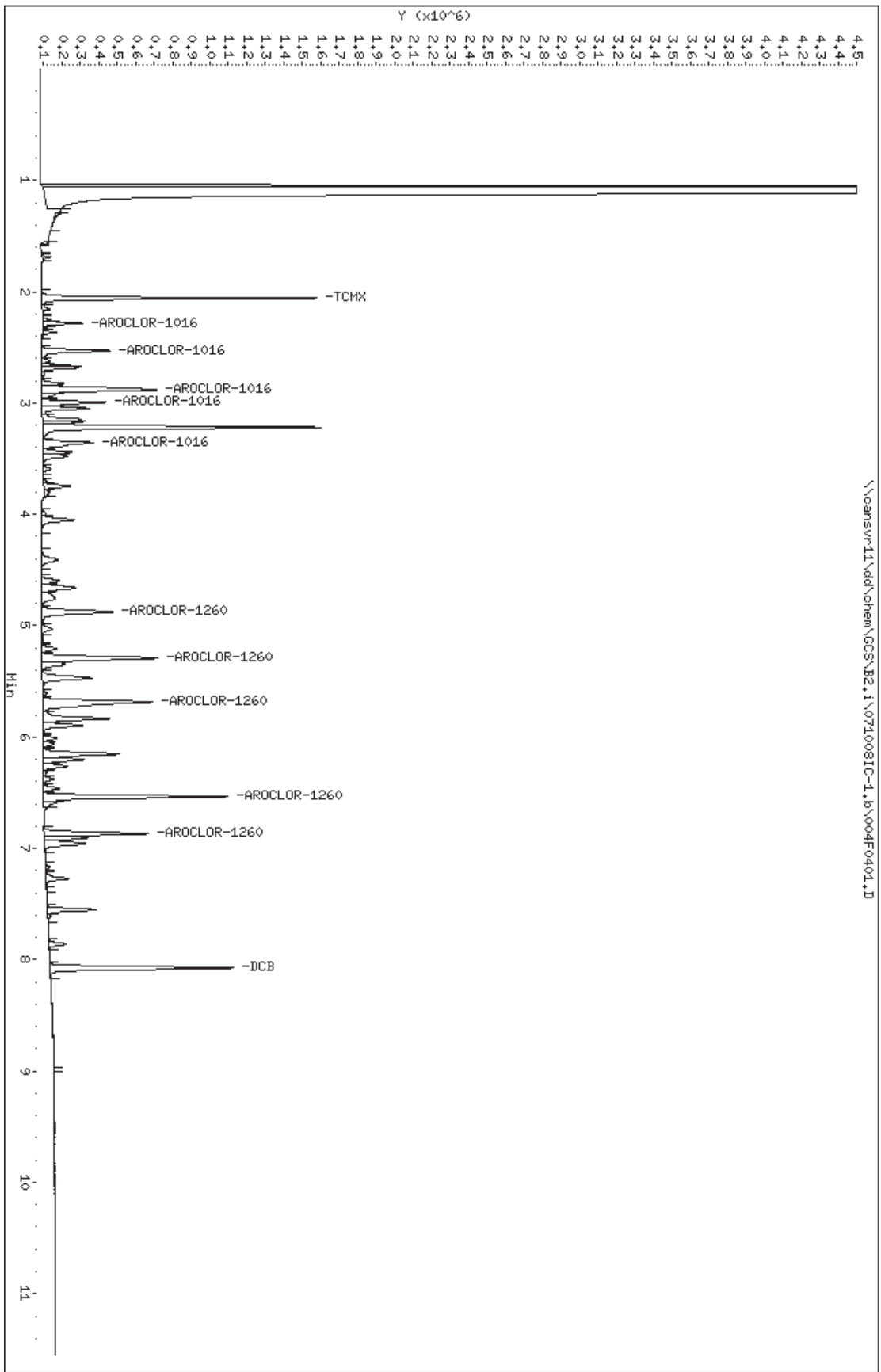
\$ 9	DCB				CAS #: 2051-24-3		
8.073	8.073	0.000	1914492	0.05000	0.04575		

QC Flag Legend

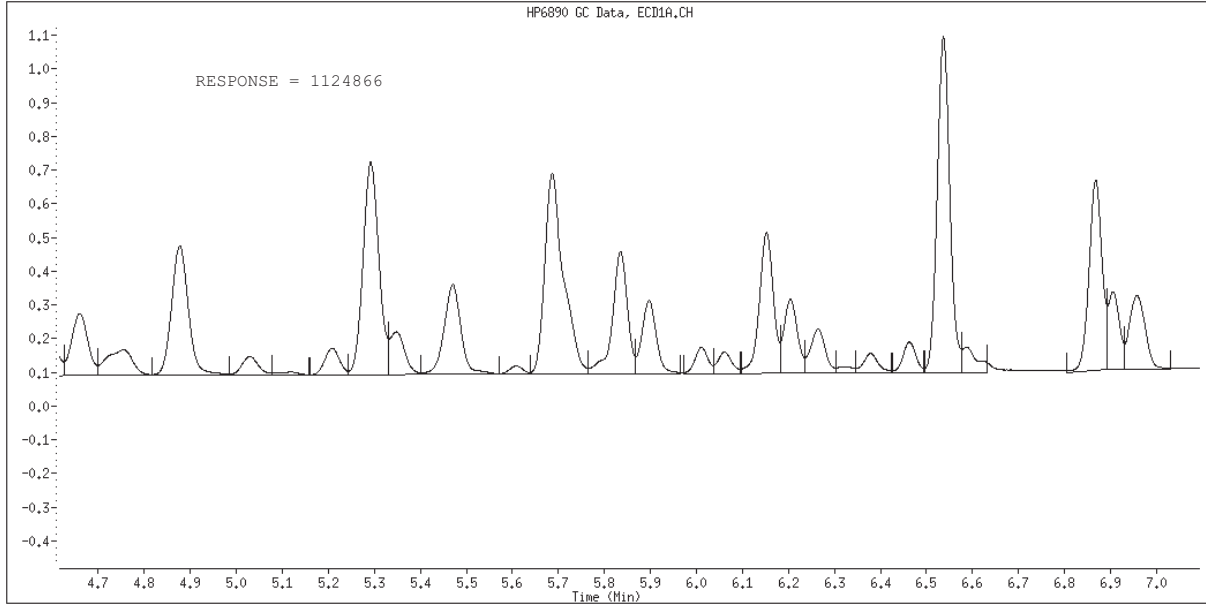
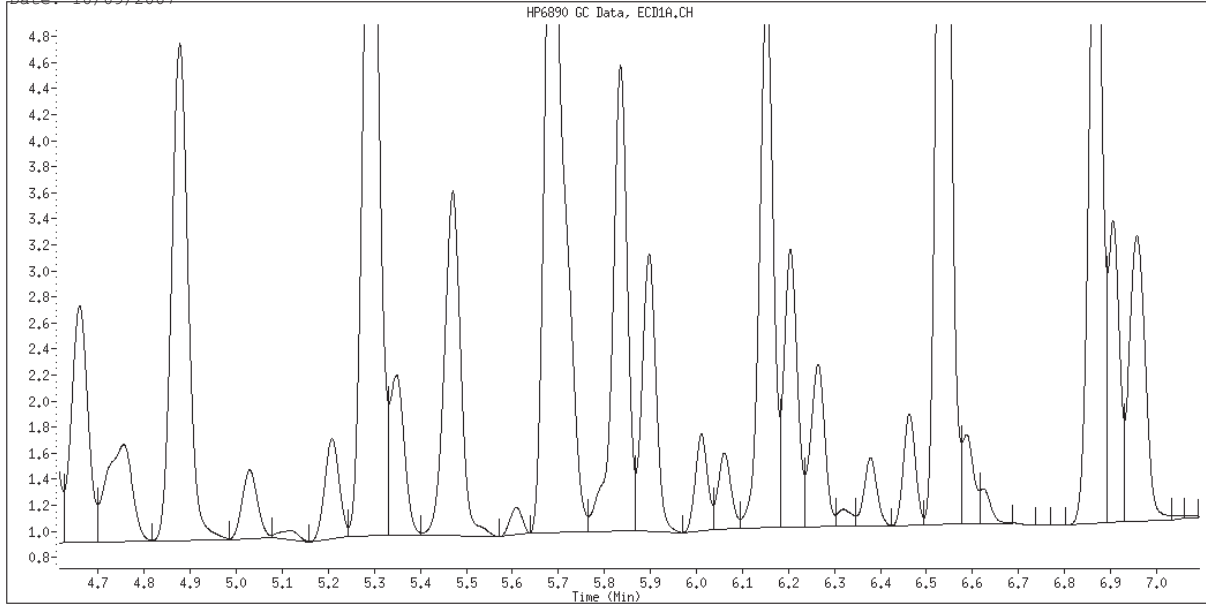
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\004F0401.D
 Date: 08-OCT-2007 13:27
 Client ID:
 Sample Info: 1660, 1.3
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 004F0401.D
Inj. Date and Time: 08-OCT-2007 13:27
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Report Date: 09-Oct-2007 12:36

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:42
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,4
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:42 Cal File: 005F0501.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	4546876	0.10000	0.1061	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.284	2.284	0.000	706183	1.00000	1.013 80.00- 120.00	100.00(M)
2.531	2.531	0.000	1441096	1.00000	0.9708 153.05- 255.09	204.07
2.884	2.884	0.000	3268445	1.00000	0.9922 347.12- 578.54	462.83
2.995	2.995	0.000	1384743	1.00000	0.9824 147.07- 245.11	196.09
3.356	3.356	0.000	1375307	1.00000	0.9827 146.06- 243.44	194.75
Average of Peak Amounts =			0.98822			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.878	4.878	0.000	2111211	1.00000	0.9905 80.00- 120.00	100.00
5.292	5.292	0.000	3329113	1.00000	0.9994 118.27- 197.11	157.69
5.685	5.685	0.000	3877669	1.00000	1.020 137.75- 229.59	183.67
6.536	6.536	0.000	4282983	1.00000	1.024 152.15- 253.59	202.87
6.868	6.868	0.000	2378774	1.00000	0.9954 84.51- 140.84	112.67
Average of Peak Amounts =			1.00586			

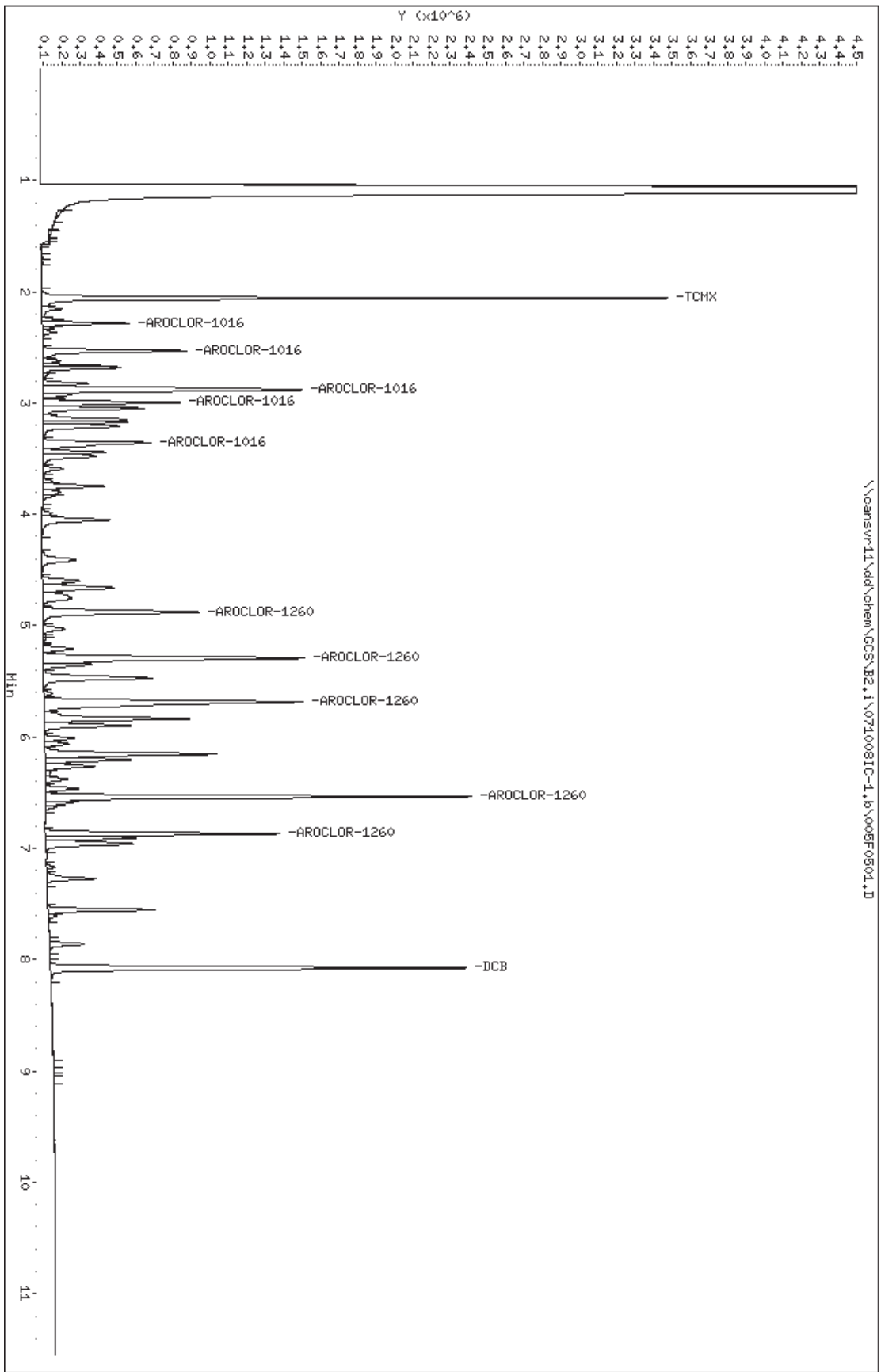
\$ 9	DCB				CAS #: 2051-24-3	
8.074	8.074	0.000	4283579	0.10000	0.1024	

QC Flag Legend

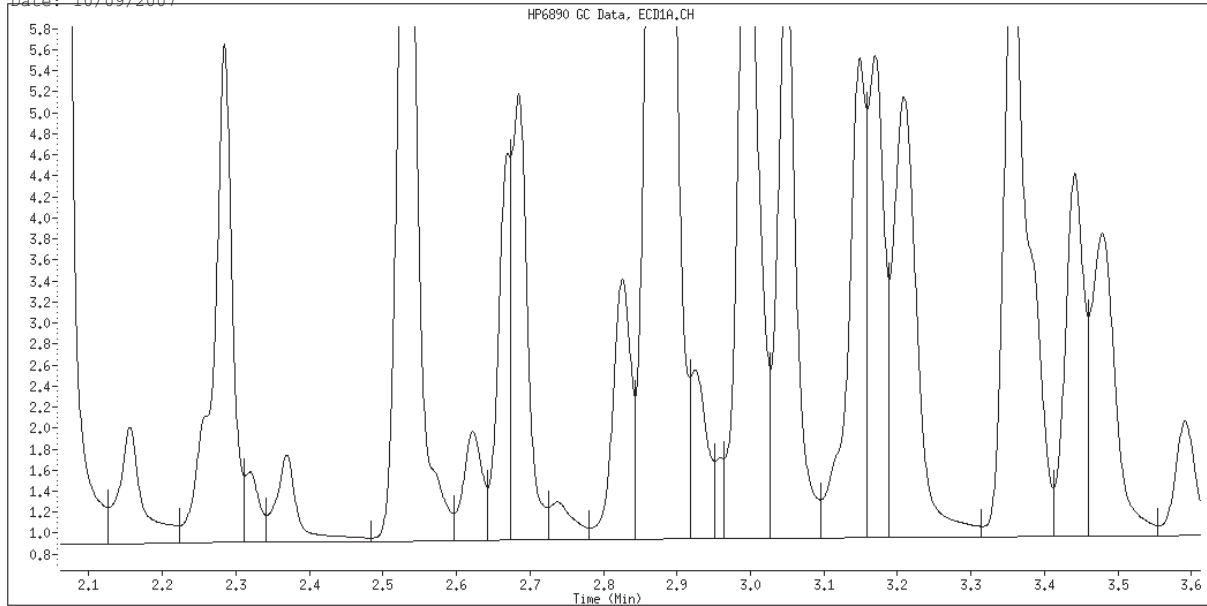
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.1\005F0501.D
 Date: 08-OCT-2007 13:42
 Client ID:
 Sample Info: 1660,1,4
 Column phase: restek pest c1p1

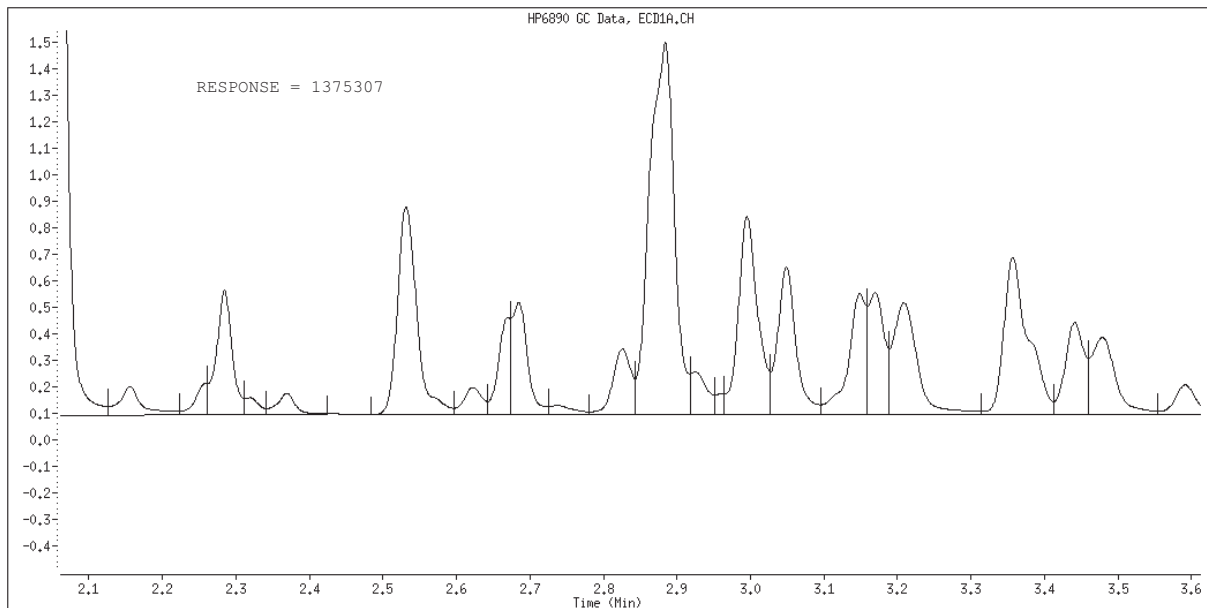
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 005F0501.D
Inj. Date and Time: 08-OCT-2007 13:42
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Report Date: 09-Oct-2007 10:06

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:56
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,5
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:56 Cal File: 006F0601.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	9638821	0.20000	0.2249	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.283	2.283	0.000	1371211	2.00000	2.199 75.00- 125.00	100.00
2.530	2.530	0.000	2866178	2.00000	1.931 781.00-1301.66	209.03
2.883	2.883	0.000	6746029	2.00000	2.048 1771.32-2952.20	491.98
2.993	2.993	0.000	2812377	2.00000	1.995 750.46-1250.76	205.10
3.355	3.355	0.000	2781434	2.00000	1.987 745.34-1242.24	202.85
Average of Peak Amounts =			2.03200			

8 AROCLOR-1260 CAS #: 11096-82-5						
4.875	4.875	0.000	4338888	2.00000	2.036 75.00- 125.00	100.00 (M)
5.290	5.290	0.000	6969424	2.00000	2.092 118.27- 197.11	160.63
5.684	5.684	0.000	8184228	2.00000	2.152 137.75- 229.59	188.62
6.535	6.535	0.000	9044695	2.00000	2.163 152.15- 253.59	208.46
6.866	6.866	0.000	4966472	2.00000	2.078 84.51- 140.84	114.46
Average of Peak Amounts =			2.10420			

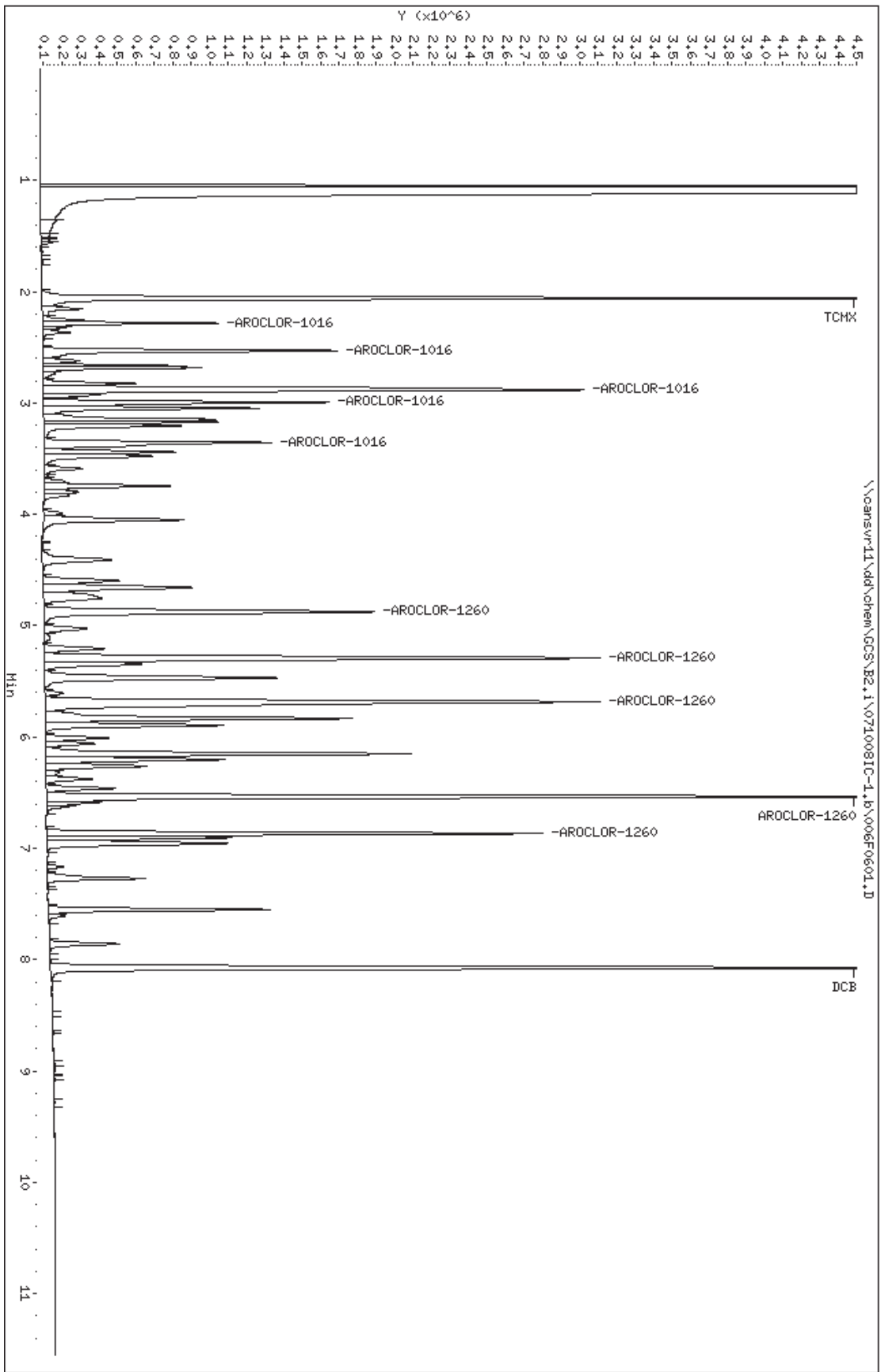
\$ 9 DCB CAS #: 2051-24-3						
8.072	8.072	0.000	8888752	0.20000	0.2124	

QC Flag Legend

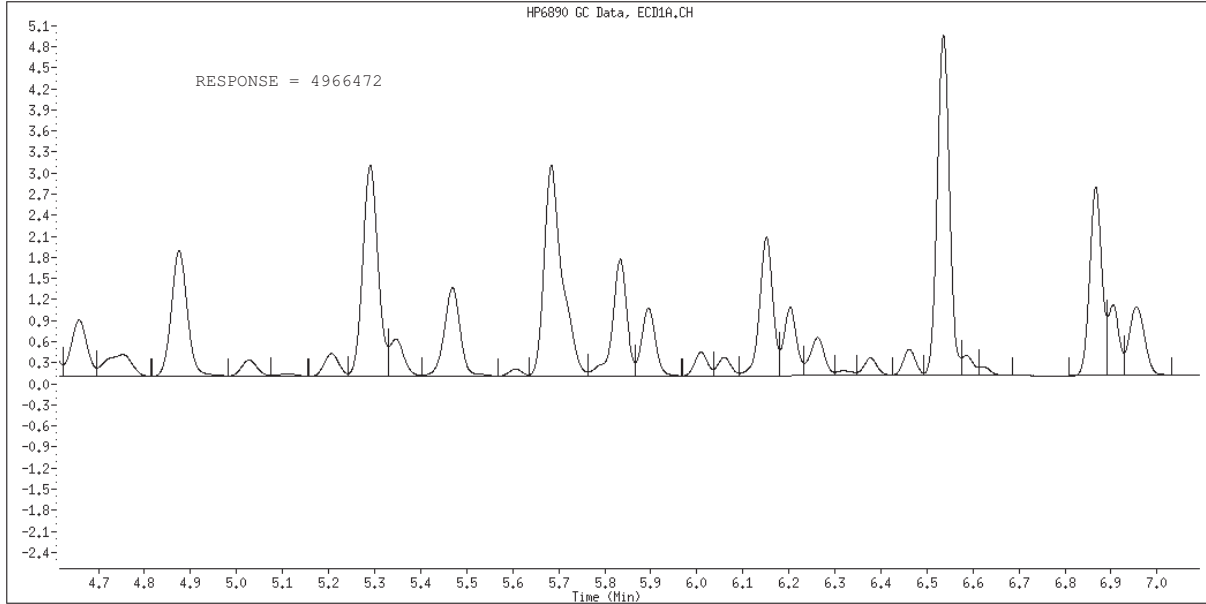
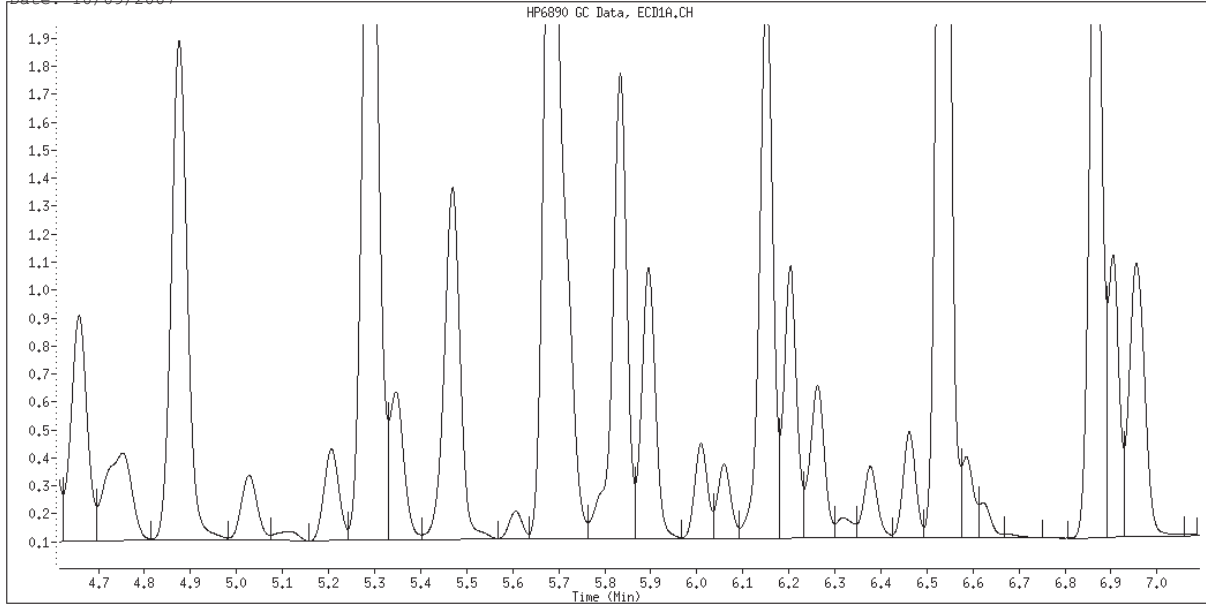
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\006F0601.D
 Date : 08-OCT-2007 13:56
 Client ID:
 Sample Info: 1660,1.5
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 006F0601.D
Inj. Date and Time: 08-OCT-2007 13:56
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Report Date: 09-Oct-2007 10:07

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:10
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,6
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX					CAS #: 877-09-8	
2.058	2.058	0.000	18284600	0.40000	0.4266	

3 AROCLOR-1016						
					CAS #: 12674-11-2	
2.283	2.283	0.000	2667210	4.00000	4.427 75.00- 125.00	100.00(M)
2.529	2.529	0.000	5492081	4.00000	3.700 781.00-1301.66	205.91
2.882	2.882	0.000	12967212	4.00000	3.937 1771.32-2952.20	486.17
2.993	2.993	0.000	5640947	4.00000	4.002 750.46-1250.76	211.49
3.354	3.354	0.000	5430080	4.00000	3.880 745.34-1242.24	203.59
Average of Peak Amounts =			3.98920			

8 AROCLOR-1260						
					CAS #: 11096-82-5	
4.873	4.873	0.000	8487775	4.00000	3.982 75.00- 125.00	100.00
5.289	5.289	0.000	13530137	4.00000	4.062 118.27- 197.11	159.41
5.682	5.682	0.000	16312729	4.00000	4.289 137.75- 229.59	192.19
6.533	6.533	0.000	17538030	4.00000	4.194 152.15- 253.59	206.63
6.865	6.865	0.000	9852194	4.00000	4.123 84.51- 140.84	116.08
Average of Peak Amounts =			4.13000			

\$ 9 DCB						
					CAS #: 2051-24-3	
8.072	8.072	0.000	17336627	0.40000	0.4143	

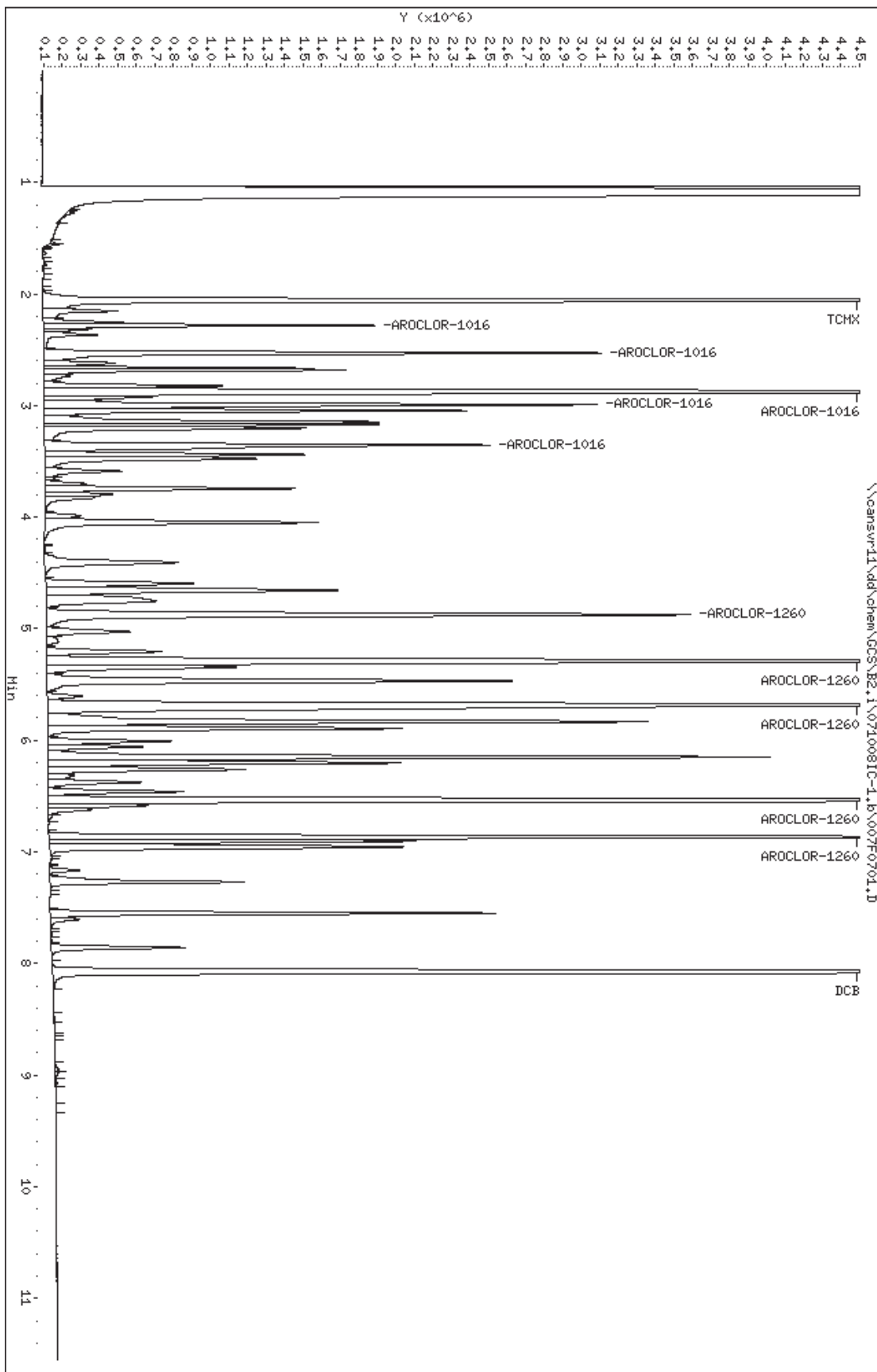
QC Flag Legend

M - Compound response manually integrated.

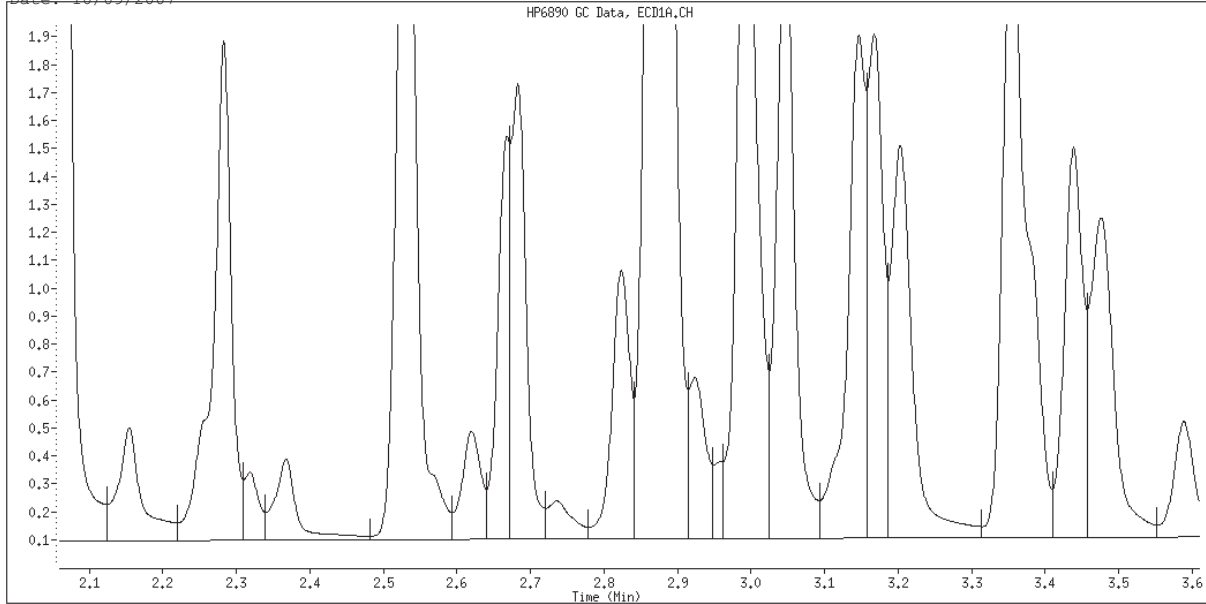
Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\007F0701.D
Date: 08-OCT-2007 14:10
Client ID:
Sample Info: 1660, 1.6

Column phase: restek pest c1p1

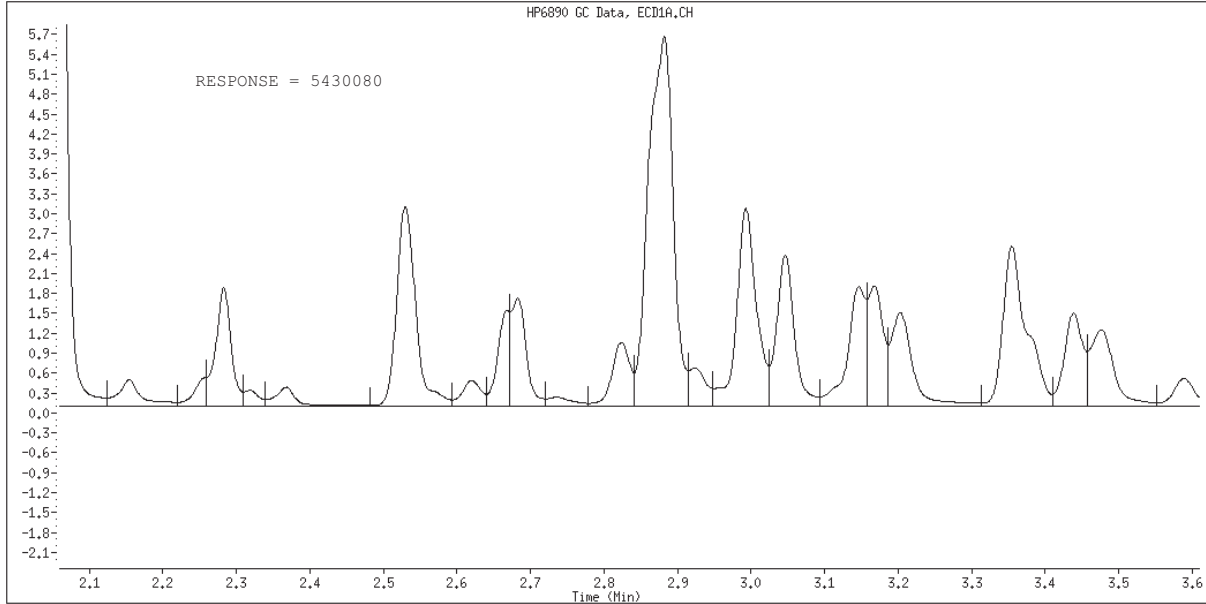
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 007F0701.D
Inj. Date and Time: 08-OCT-2007 14:10
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 08-OCT-2007 14:24
 Lab File ID: 008F0801.D Init. Cal. Date(s): 08-OCT-2007 08-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 14:10
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
3 AROCLOR-1016 (1)	602510	699456	0.010	-16.09039	15.00000		Averaged|<-
(2)	1484366	1533979	0.010	-3.34236	15.00000		Averaged|
(3)	3293976	3492185	0.010	-6.01731	15.00000		Averaged|
(4)	1409531	1479752	0.010	-4.98185	15.00000		Averaged|
(5)	1399558	1463925	0.010	-4.59912	15.00000		Averaged|
8 AROCLOR-1260 (1)	2131421	2278382	0.010	-6.89495	15.00000		Averaged|
(2)	3330972	3577062	0.010	-7.38793	15.00000		Averaged|
(3)	3803154	4013170	0.010	-5.52216	15.00000		Averaged|
(4)	4181121	4573023	0.010	-9.37313	15.00000		Averaged|
(5)	2389695	2549412	0.010	-6.68357	15.00000		Averaged|

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 6-ar1660.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:25 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 8 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 6-ar1660.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
3 AROCLOR-1016			CAS #: 12674-11-2				
2.282	2.282	0.000	699456 1.00000	1.161	80.00- 120.00	100.00 (M)	
2.529	2.529	0.000	1533979 1.00000	1.033	164.48- 274.14	219.31	
2.881	2.881	0.000	3492185 1.00000	1.060	374.45- 624.09	499.27	
2.992	2.992	0.000	1479752 1.00000	1.050	158.67- 264.45	211.56	
3.354	3.354	0.000	1463925 1.00000	1.046	156.97- 261.62	209.29	
Average of Peak Amounts =			1.07000				

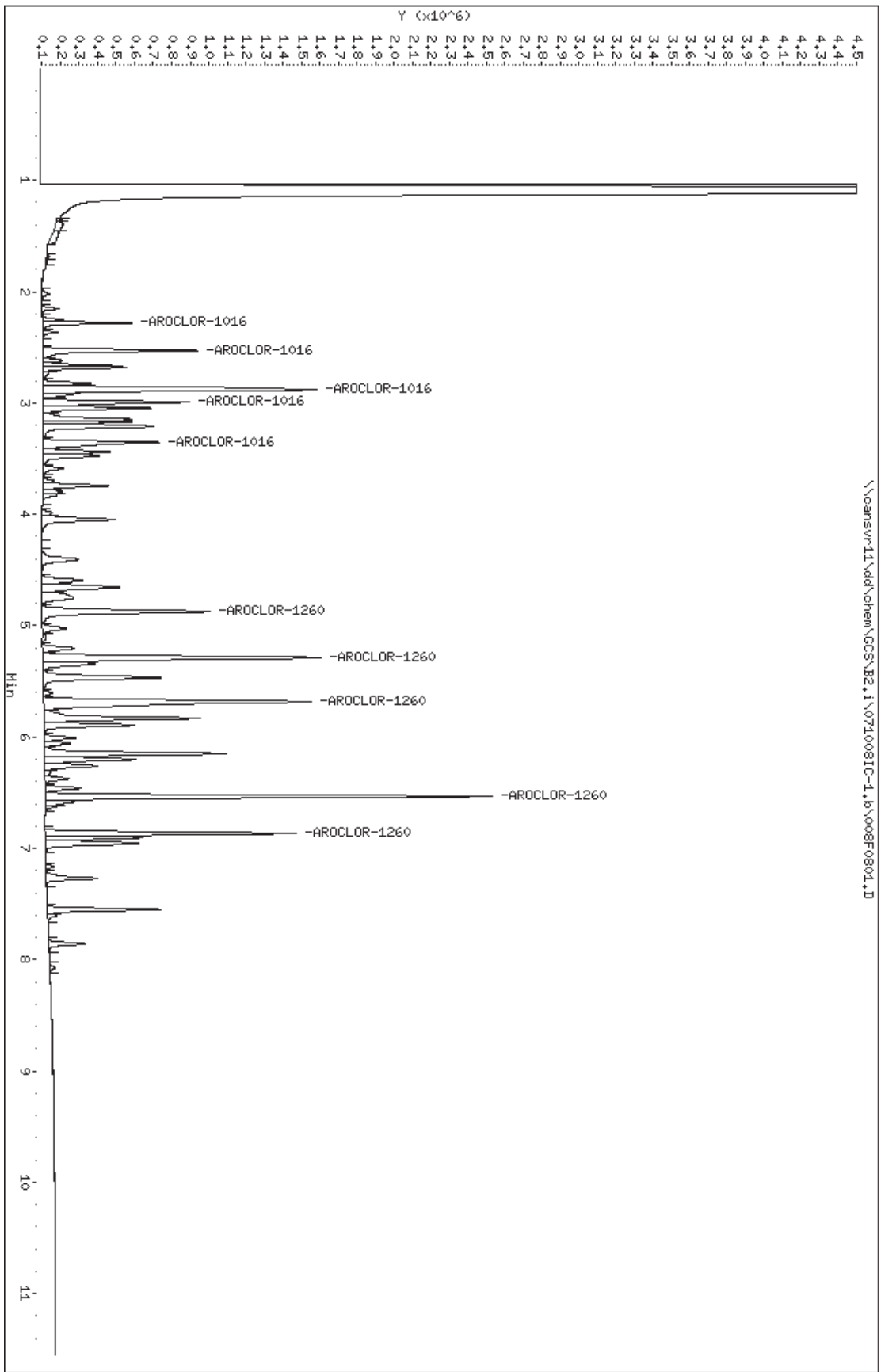
8 AROCLOR-1260			CAS #: 11096-82-5				
4.873	4.873	0.000	2278382 1.00000	1.069	80.00- 120.00	100.00	
5.289	5.289	0.000	3577062 1.00000	1.074	117.75- 196.25	157.00	
5.683	5.683	0.000	4013170 1.00000	1.055	132.11- 220.18	176.14	
6.534	6.534	0.000	4573023 1.00000	1.094	150.54- 250.89	200.71	
6.864	6.864	0.000	2549412 1.00000	1.067	83.92- 139.87	111.90	
Average of Peak Amounts =			1.07180				

QC Flag Legend

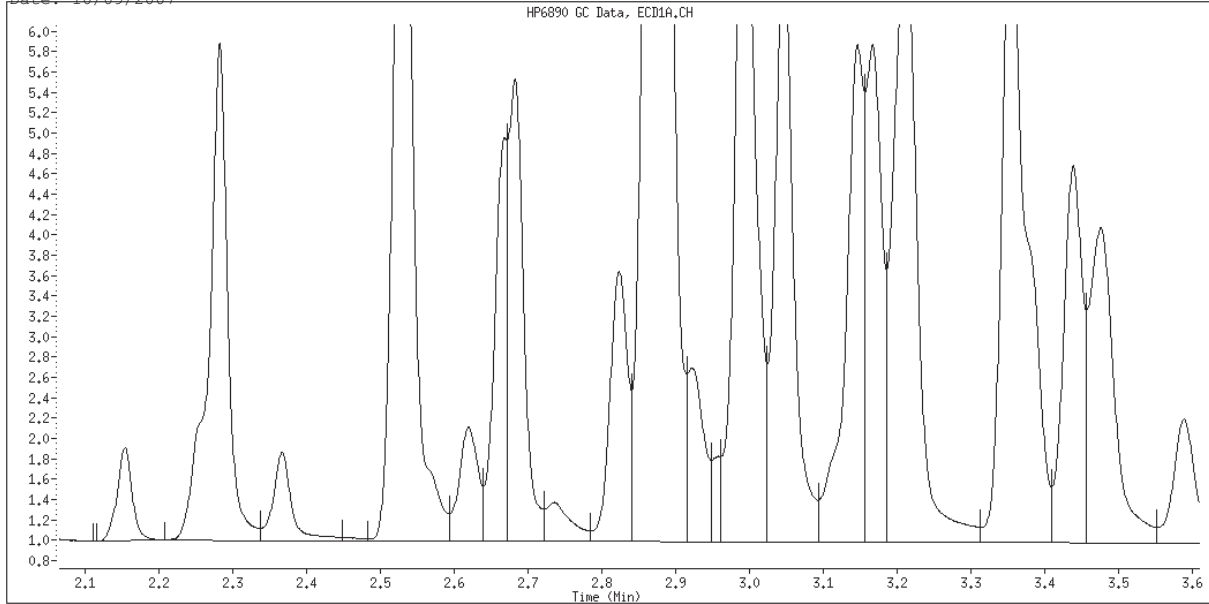
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\008F0801.D
Date: 08-OCT-2007 14:24
Client ID:
Sample Info: 1660,,2
Column phase: restek pest c1p1

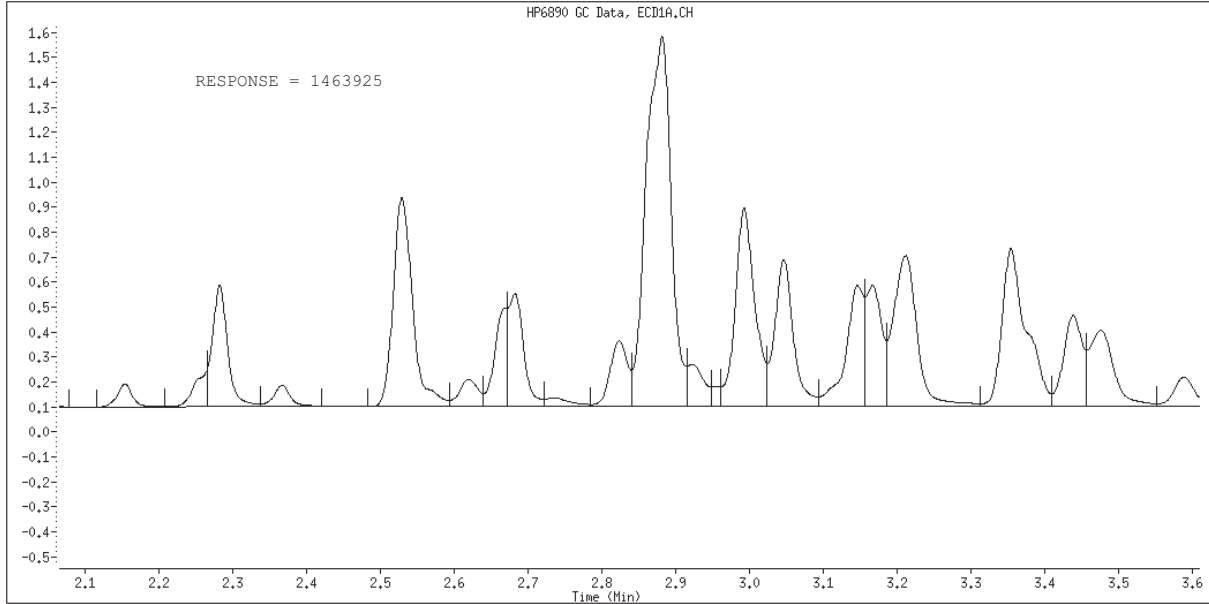
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 008F0801.D
Inj. Date and Time: 08-OCT-2007 14:24
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Report Date: 09-Oct-2007 10:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 14:38
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,1
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
Cal Date : 08-OCT-2007 14:38 Cal File: 009F0901.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

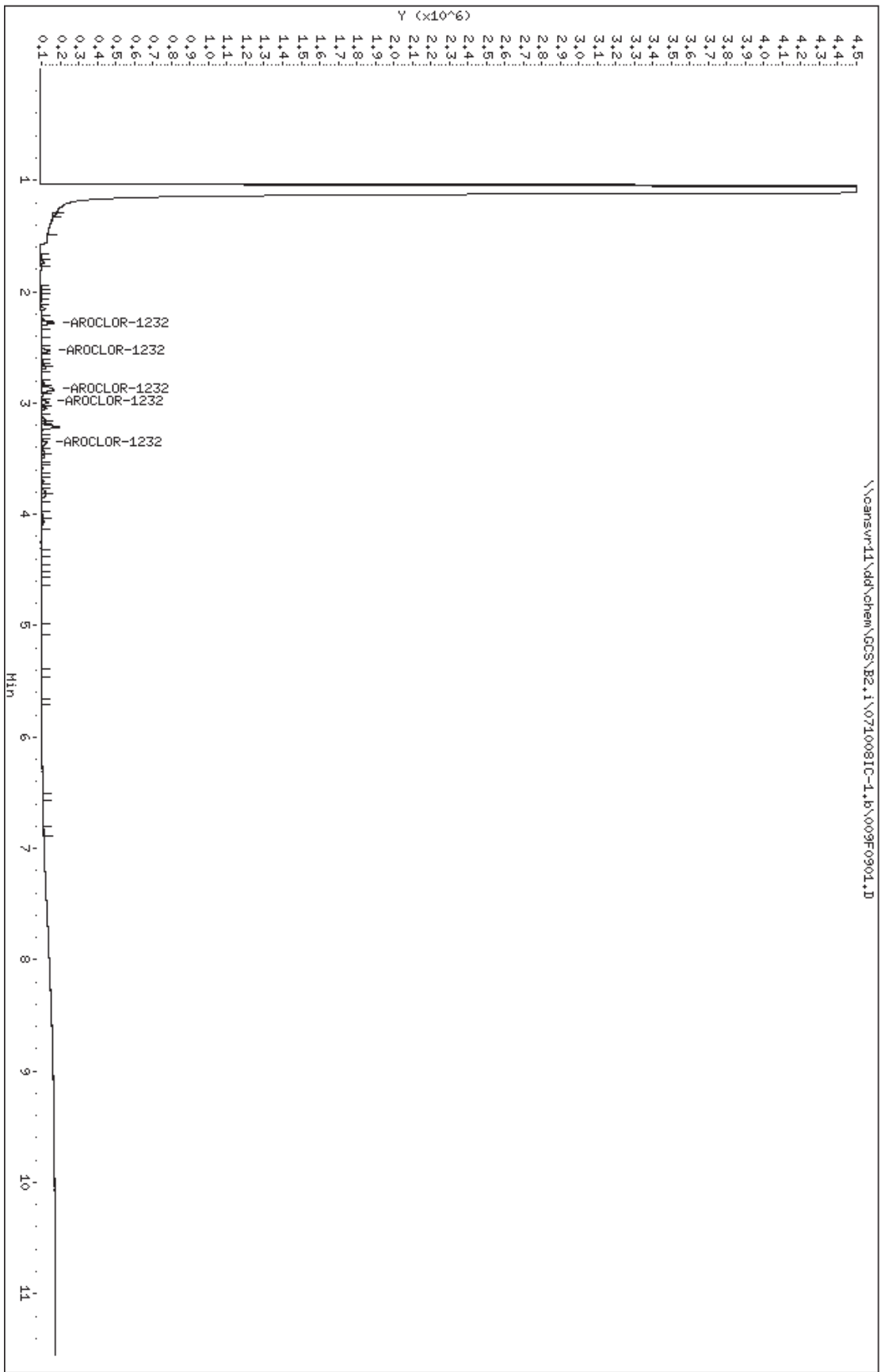
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET	RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	109389	0.10000	0.1000	0.00-	0.00	100.00 (M)
2.529	2.529	0.000	75291	0.10000	0.1000	0.00-	0.00	68.83
2.882	2.882	0.000	160724	0.10000	0.1000	0.00-	0.00	146.93
2.993	2.993	0.000	64083	0.10000	0.1000	0.00-	0.00	58.58
3.354	3.354	0.000	63015	0.10000	0.1000	0.00-	0.00	57.61
Average of Peak Amounts =				0.10000				

QC Flag Legend

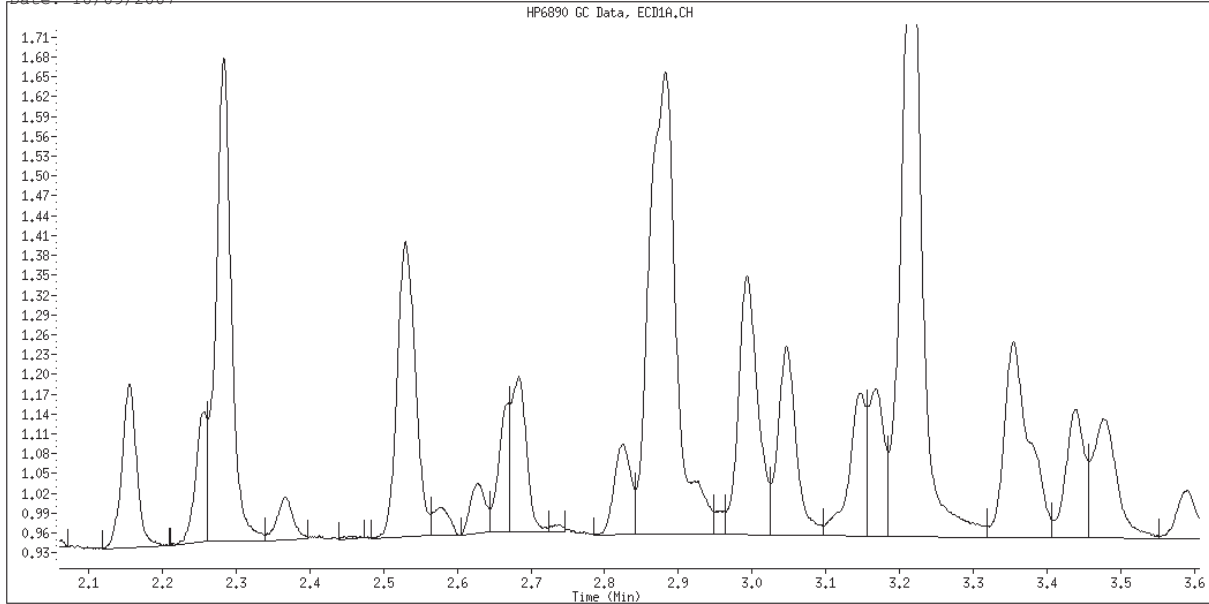
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.1\009F0901.D
 Date : 08-OCT-2007 14:38
 Client ID:
 Sample Info: 1232,1,1
 Column phase: restek pest c1p1

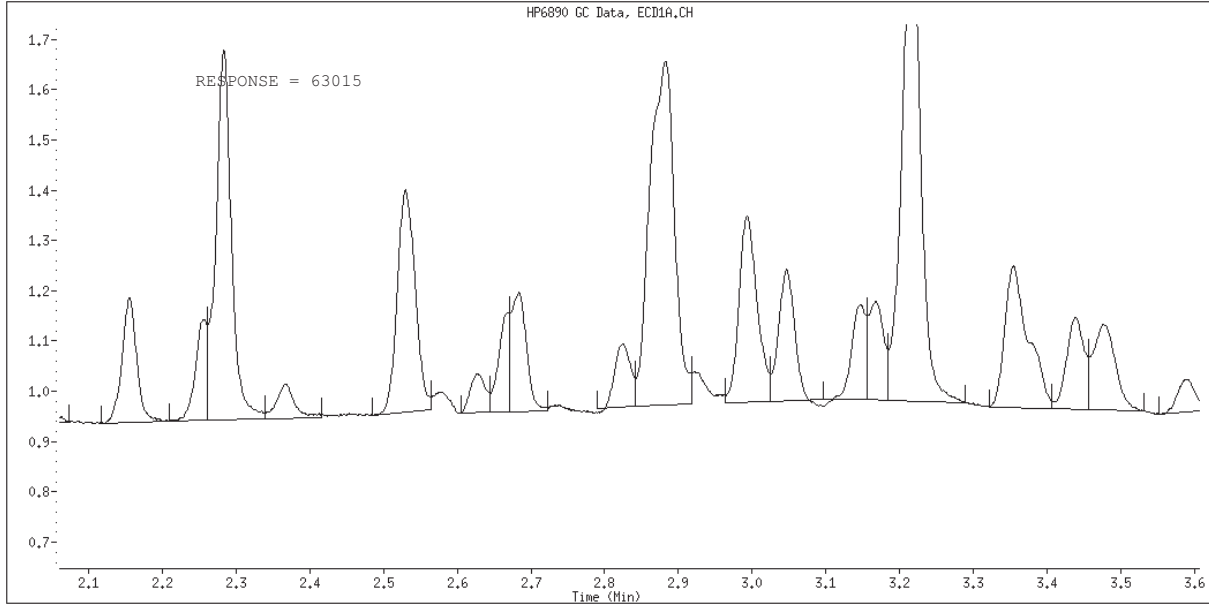
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 009F0901.D
Inj. Date and Time: 08-OCT-2007 14:38
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
 Report Date: 09-Oct-2007 10:48

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
 Lab Smp Id: 1232
 Inj Date : 08-OCT-2007 14:53
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1232,,1,2
 Misc Info : 1-ar1232.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:53 Cal File: 010F1001.D
 Als bottle: 10 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-ar1232.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

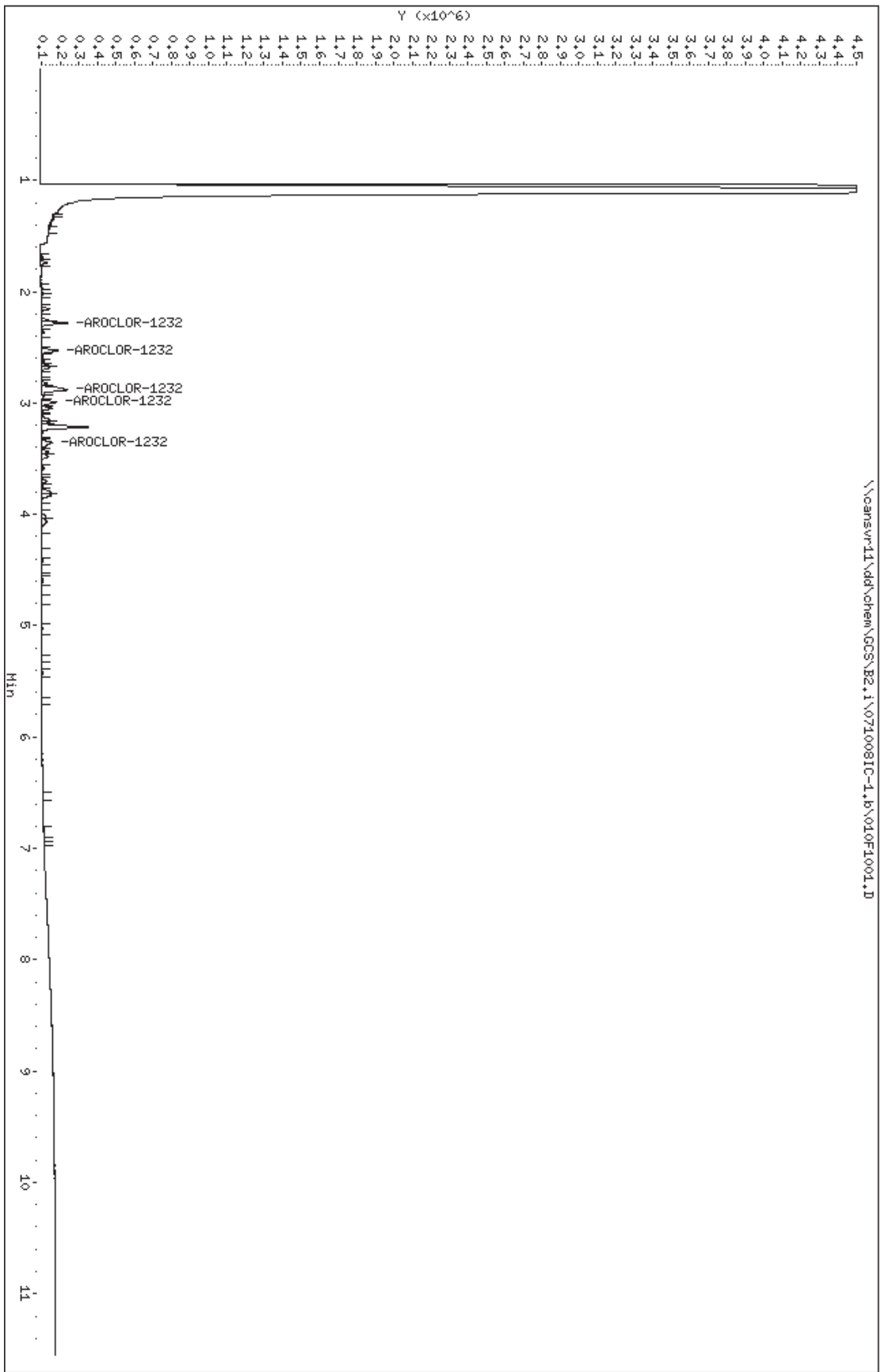
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	213858 0.20000	0.1990	75.00- 125.00	100.00 (M)		
2.530	2.530	0.000	154506 0.20000	0.2008	53.54- 89.24	72.25		
2.882	2.882	0.000	343668 0.20000	0.1964	122.82- 204.70	160.70		
2.993	2.993	0.000	141108 0.20000	0.1901	52.74- 87.89	65.98		
3.355	3.355	0.000	130845 0.20000	0.1898	49.01- 81.68	61.18		
Average of Peak Amounts =				0.19522				

QC Flag Legend

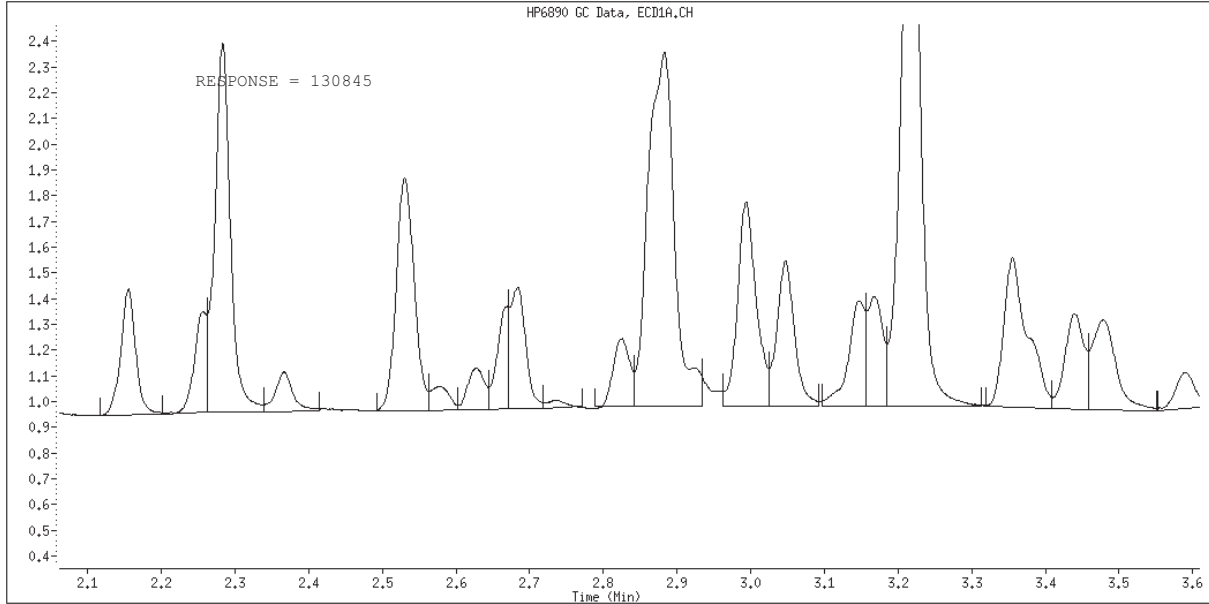
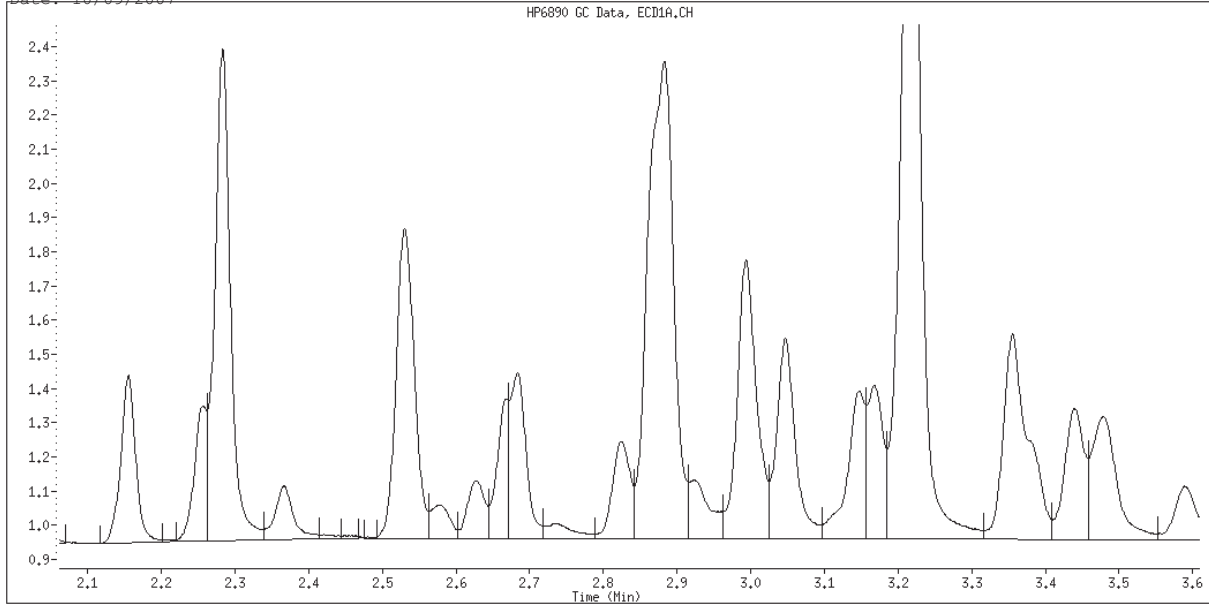
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\010F1001.D
Date : 08-OCT-2007 14:53
Client ID:
Sample Info: 1232,1,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 010F1001.D
Inj. Date and Time: 08-OCT-2007 14:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
Report Date: 09-Oct-2007 10:43

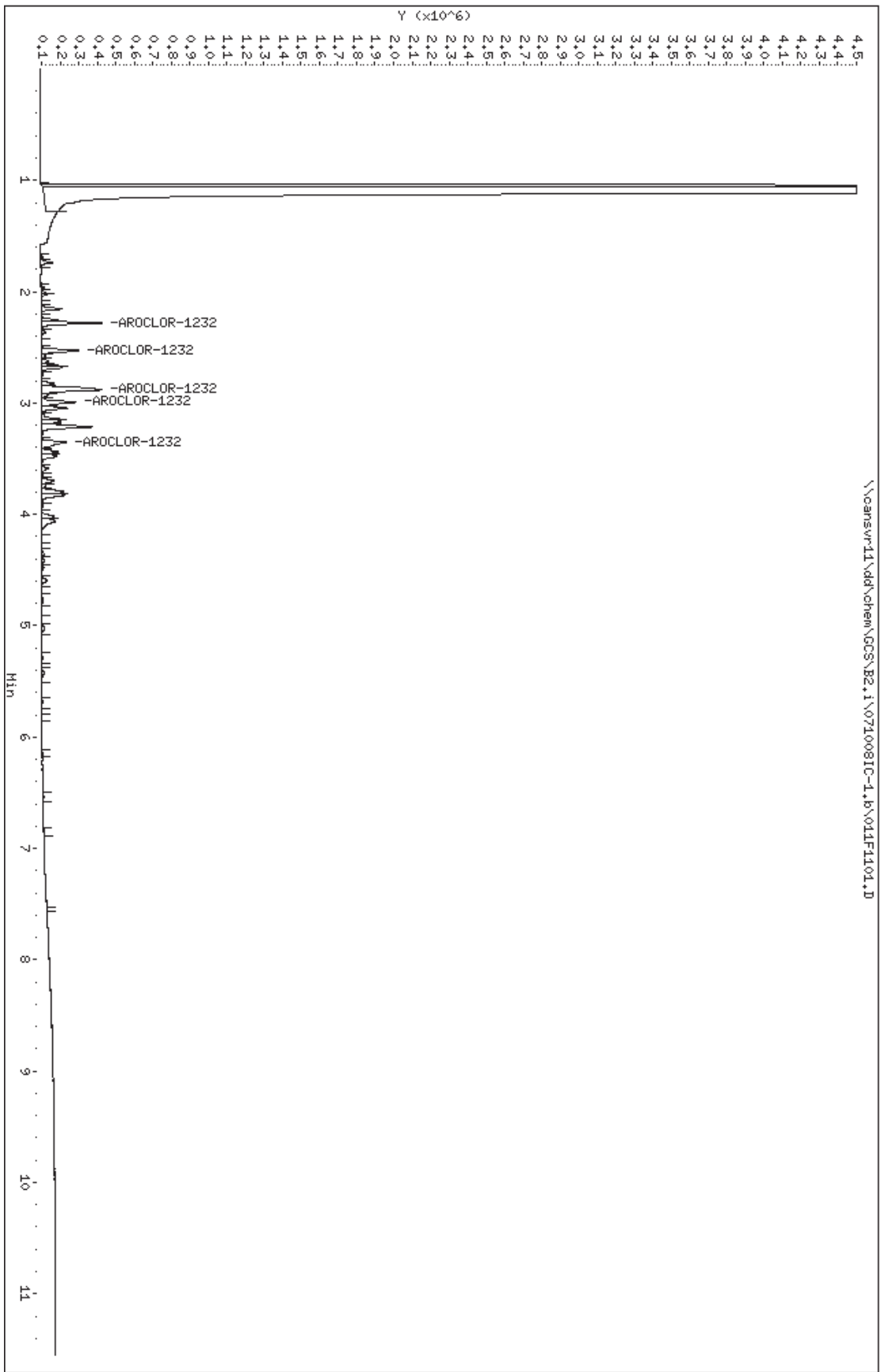
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:07
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,3
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:43 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:07 Cal File: 011F1101.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	489501	0.50000	0.4674	0.00- 0.00	100.00	
2.528	2.528	0.000	353191	0.50000	0.4748	0.00- 0.00	72.15	
2.881	2.881	0.000	775473	0.50000	0.4865	0.00- 0.00	158.42	
2.992	2.992	0.000	354055	0.50000	0.5405	0.00- 0.00	72.33	
3.354	3.354	0.000	324135	0.50000	0.5180	0.00- 0.00	66.22	
Average of Peak Amounts =					0.49744			

Data File: \\cansvr11\dd\chem\CCS\B2.1\0710081C-1.b\011F1101.D
Date : 08-OCT-2007 15:07
Client ID:
Sample Info: 1232,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
Report Date: 09-Oct-2007 10:44

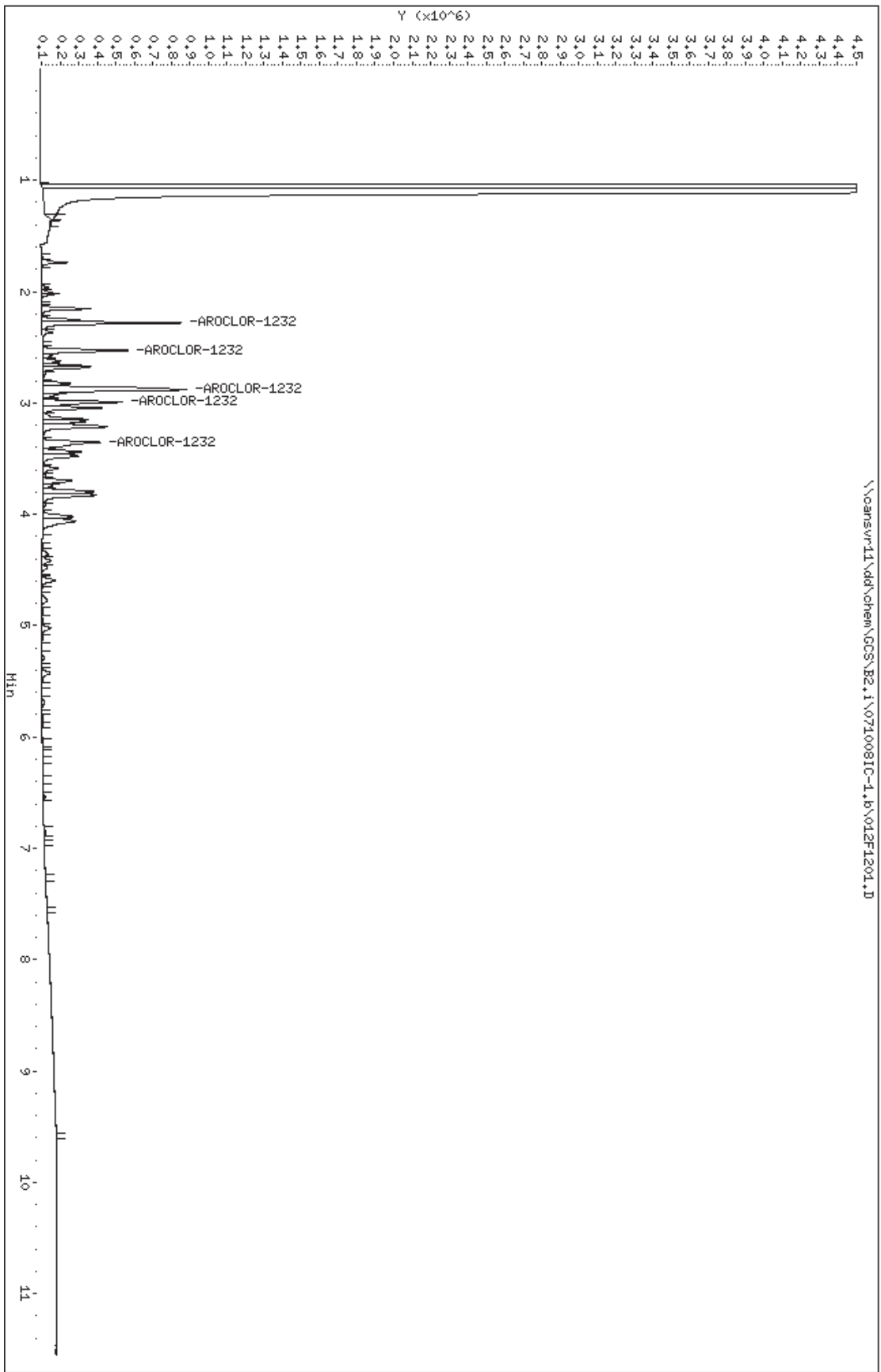
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:21
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,4
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:21 Cal File: 012F1201.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	1116628	1.00000	1.049	80.00- 120.00	100.00	
2.529	2.529	0.000	797164	1.00000	1.053	53.54- 89.24	71.39	
2.881	2.881	0.000	1828584	1.00000	1.106	122.82- 204.70	163.76	
2.992	2.992	0.000	785161	1.00000	1.142	52.74- 87.89	70.32	
3.354	3.354	0.000	729674	1.00000	1.120	49.01- 81.68	65.35	
Average of Peak Amounts =			1.09400					

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.b\012F1201.D
Date : 08-OCT-2007 15:21
Client ID:
Sample Info: 1232,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Report Date: 09-Oct-2007 10:44

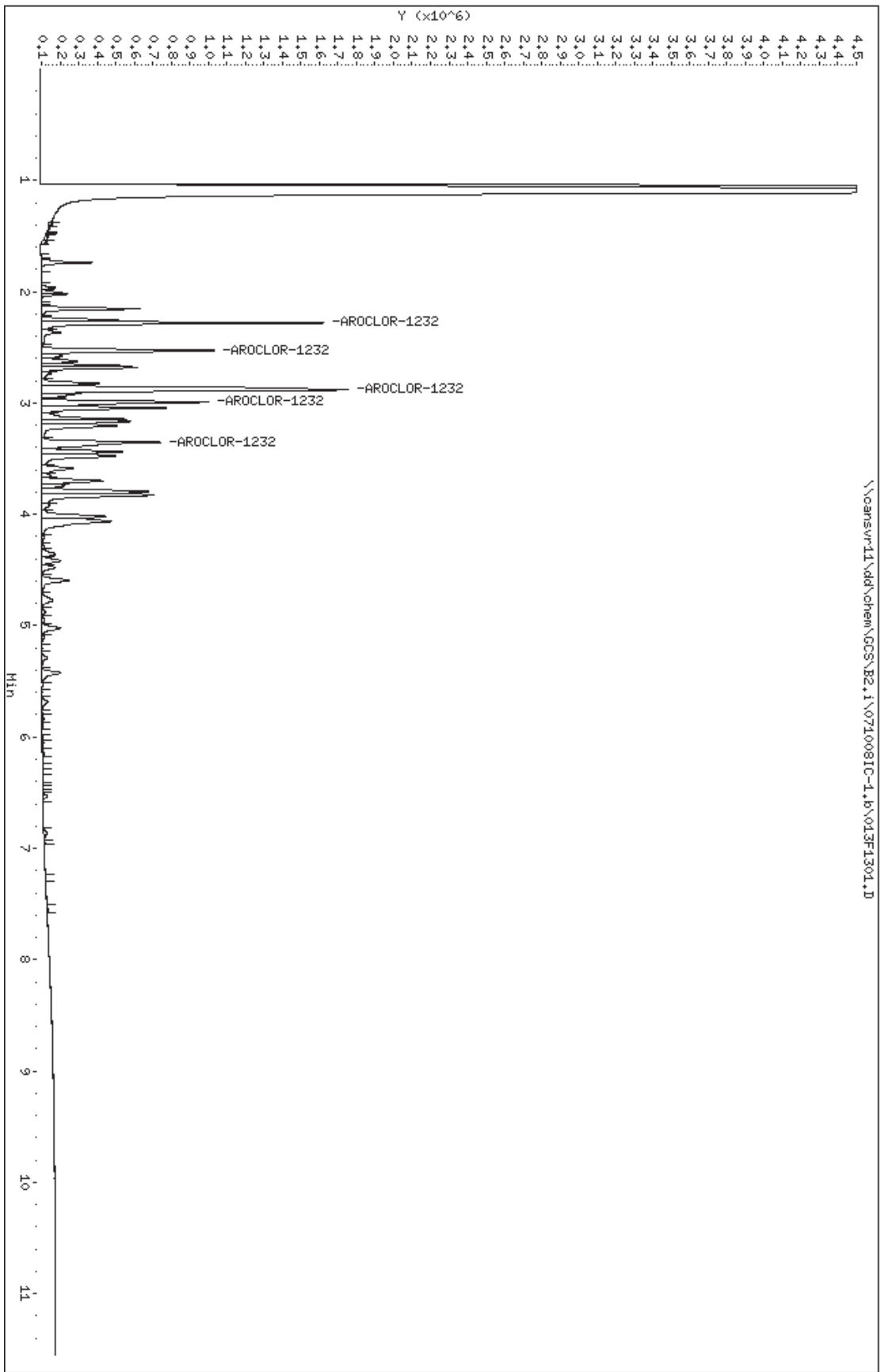
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:35
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,5
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:35 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	2239019	2.00000	2.082	75.00- 125.00	100.00	
2.529	2.529	0.000	1633971	2.00000	2.124	53.54- 89.24	72.98	
2.881	2.881	0.000	3825116	2.00000	2.244	122.82- 204.70	170.84	
2.991	2.991	0.000	1618769	2.00000	2.274	52.74- 87.89	72.30	
3.353	3.353	0.000	1503568	2.00000	2.238	49.01- 81.68	67.15	
Average of Peak Amounts =				2.19240				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\013F1301.D
Date: 08-OCT-2007 15:35
Client ID:
Sample Info: 1232,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Report Date: 09-Oct-2007 10:44

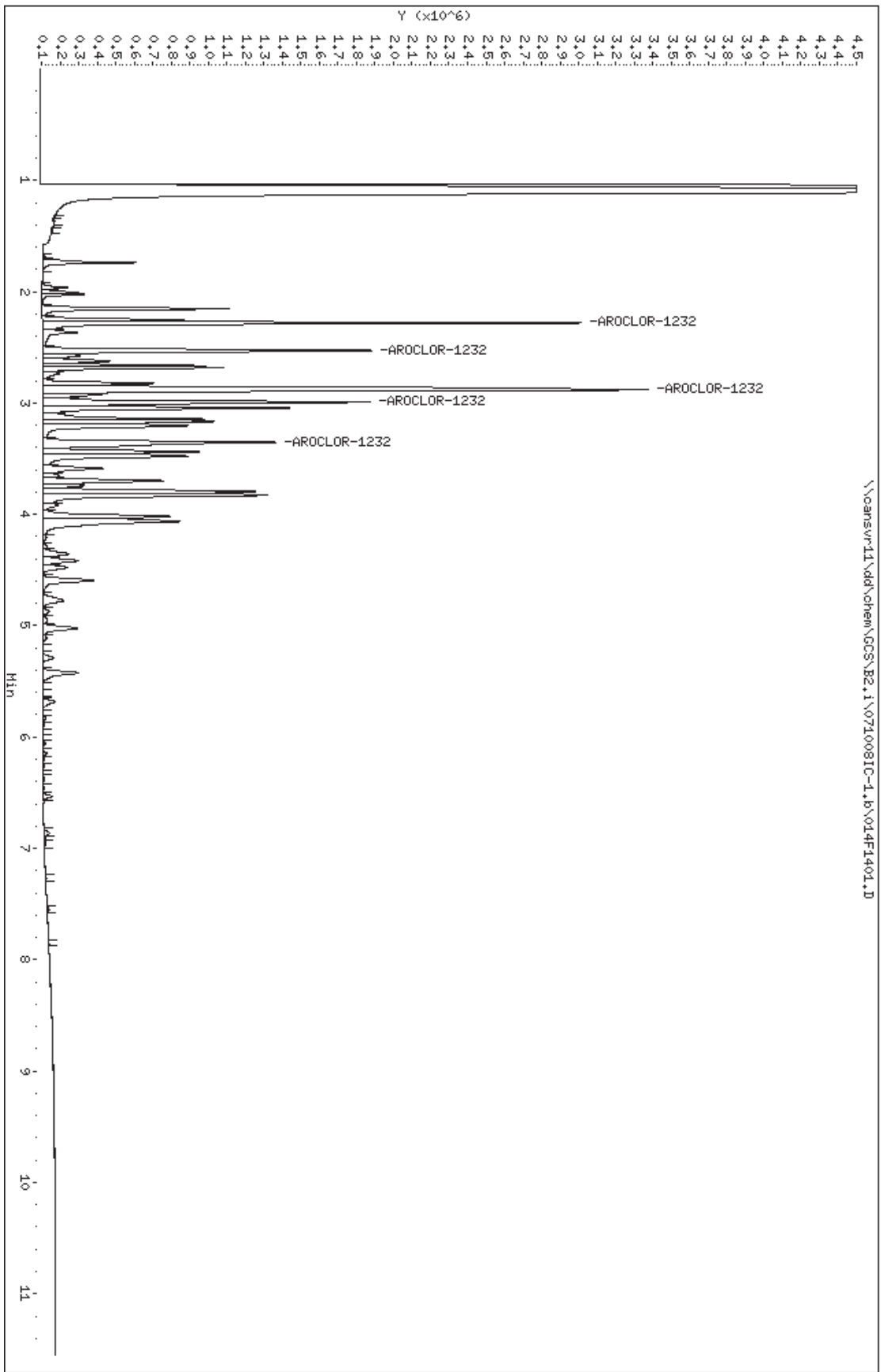
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:49
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,6
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:49 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	4271672	4.00000	3.976	75.00- 125.00	100.00	
2.528	2.528	0.000	3082296	4.00000	4.006	53.54- 89.24	72.16	
2.881	2.881	0.000	7515880	4.00000	4.335	122.82- 204.70	175.95	
2.992	2.992	0.000	3218576	4.00000	4.425	52.74- 87.89	75.35	
3.353	3.353	0.000	2892062	4.00000	4.251	49.01- 81.68	67.70	
Average of Peak Amounts =			4.19860					

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\014F1401.D
Date : 08-OCT-2007 15:49
Client ID:
Sample Info: 1232,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:29
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,1
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
Cal Date : 08-OCT-2007 17:29 Cal File: 021F2101.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

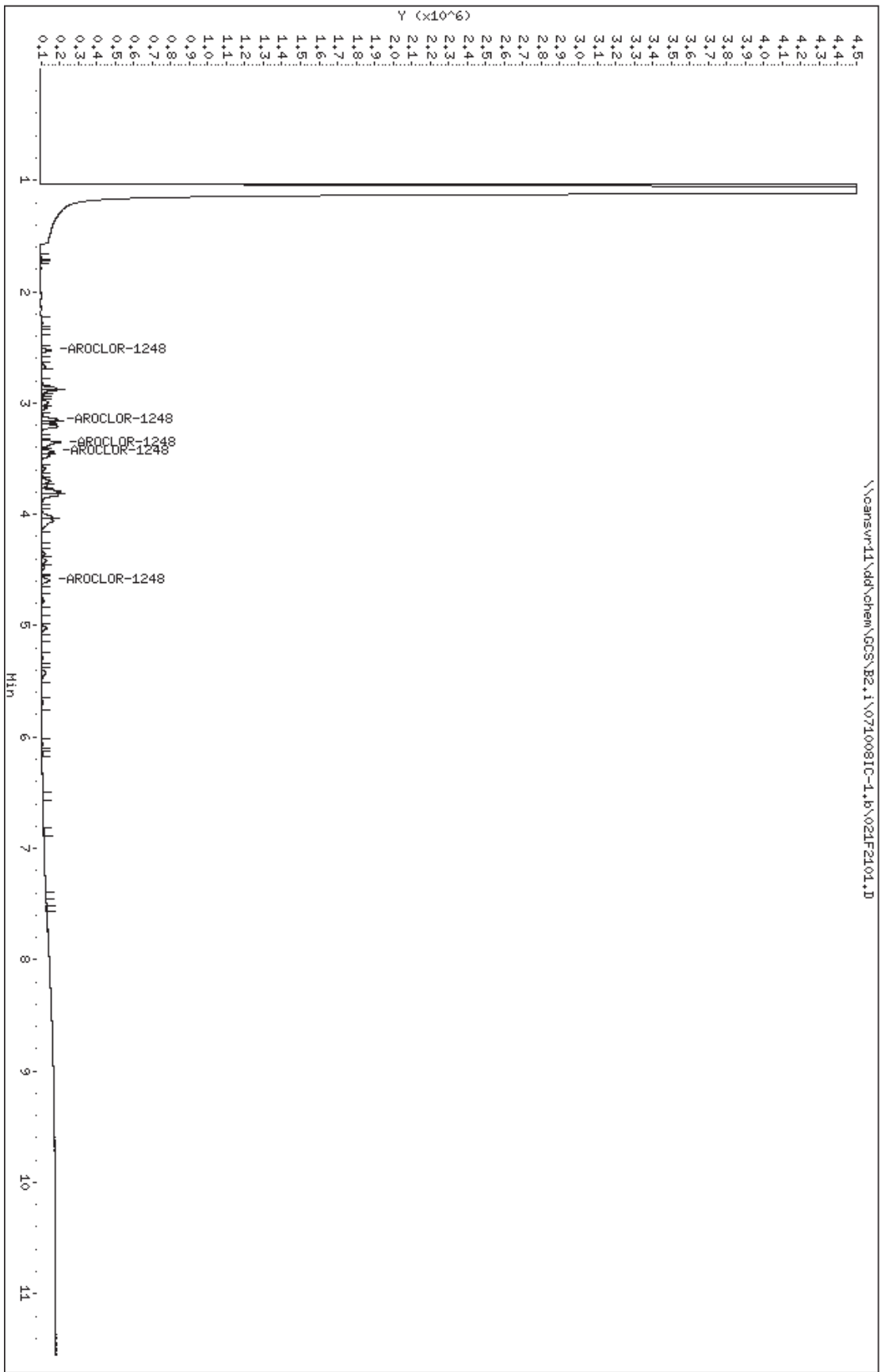
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	82463	0.10000	0.1000	0.00- 0.00	100.00 (M)	
3.145	3.145	0.000	138758	0.10000	0.1000	0.00- 0.00	168.27	
3.353	3.353	0.000	224501	0.10000	0.1000	0.00- 0.00	272.24	
3.437	3.437	0.000	118821	0.10000	0.1000	0.00- 0.00	144.09	
4.593	4.593	0.000	108716	0.10000	0.1000	0.00- 0.00	131.84	
Average of Peak Amounts =				0.10000				

QC Flag Legend

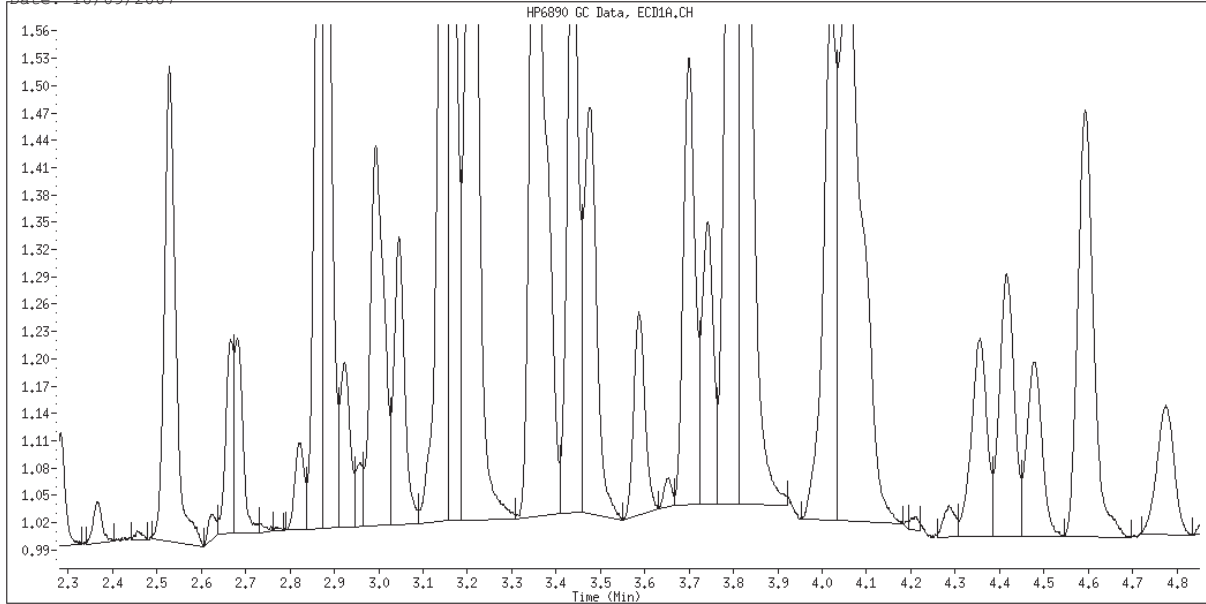
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\021F2101.D
Date : 08-OCT-2007 17:29
Client ID:
Sample Info: 1248,1,1
Column phase: restek pest c1p1

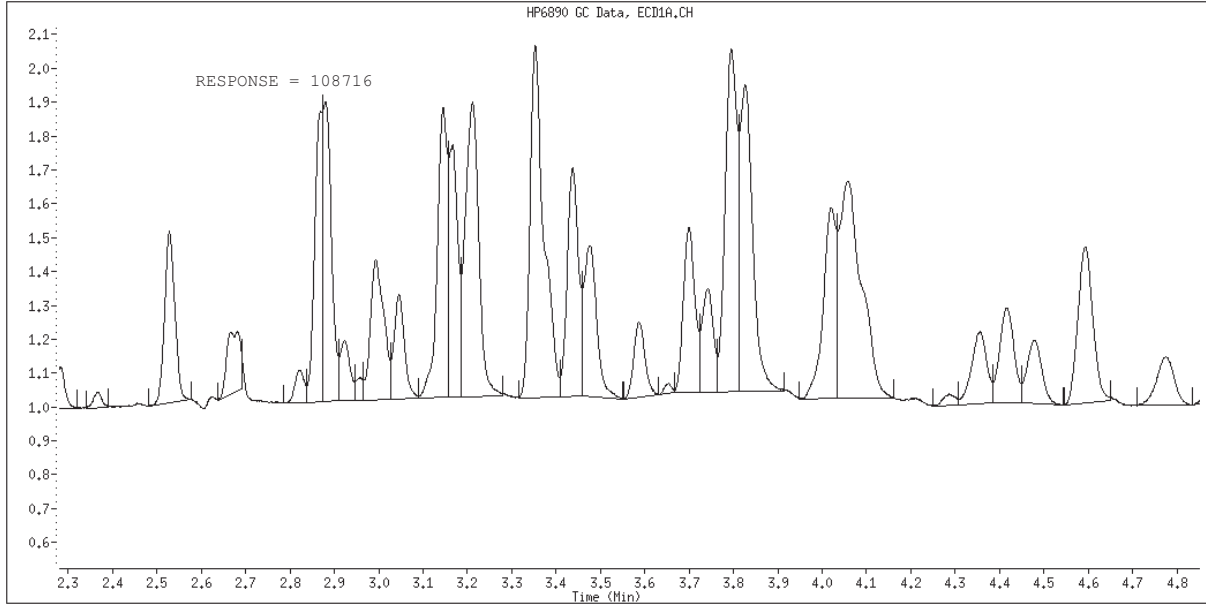
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 021F2101.D
Inj. Date and Time: 08-OCT-2007 17:29
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
Report Date: 09-Oct-2007 10:45

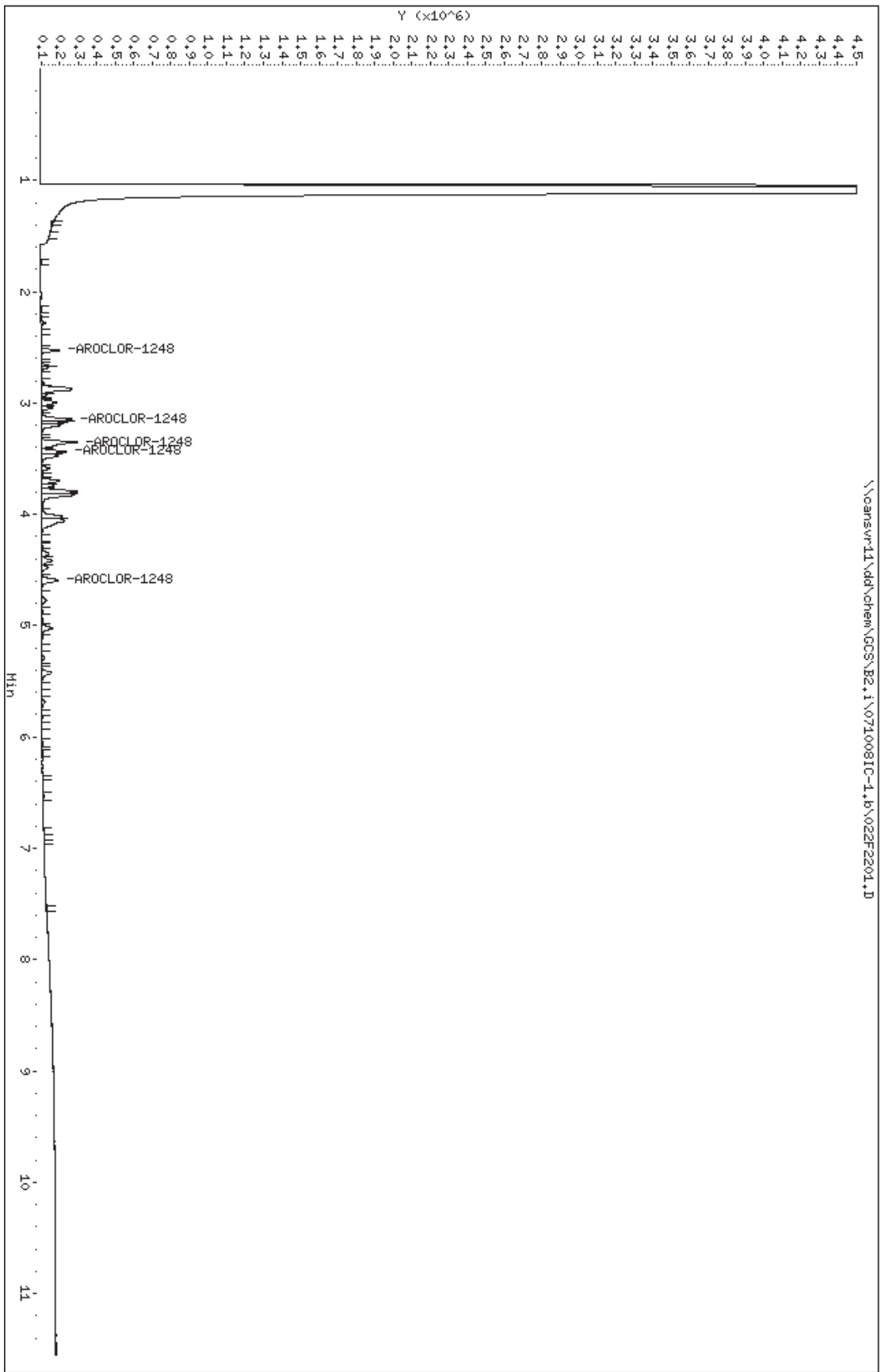
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:43
Operator : 402338
Smp Info : 1248,,1,2
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:45 target
Cal Date : 08-OCT-2007 17:43
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.14
Processing Host: CANPMOB1
Inst ID: B2.i
Quant Type: ESTD
Cal File: 022F2201.D
Calibration Sample, Level: 2
Compound Sublist: 3-ar1248.sub
Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.528	2.528	0.000	166104	0.20000	0.2007	0.00- 0.00	100.00	
3.145	3.145	0.000	266656	0.20000	0.1960	0.00- 0.00	160.54	
3.353	3.353	0.000	433137	0.20000	0.1964	0.00- 0.00	260.76	
3.437	3.437	0.000	232271	0.20000	0.1977	0.00- 0.00	139.83	
4.593	4.593	0.000	228558	0.20000	0.2050	0.00- 0.00	137.60	
Average of Peak Amounts =				0.19916				

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\02EF2201.D
 Date : 08-OCT-2007 17:43
 Client ID:
 Sample Info: 1248, 1, 2
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
Report Date: 09-Oct-2007 10:46

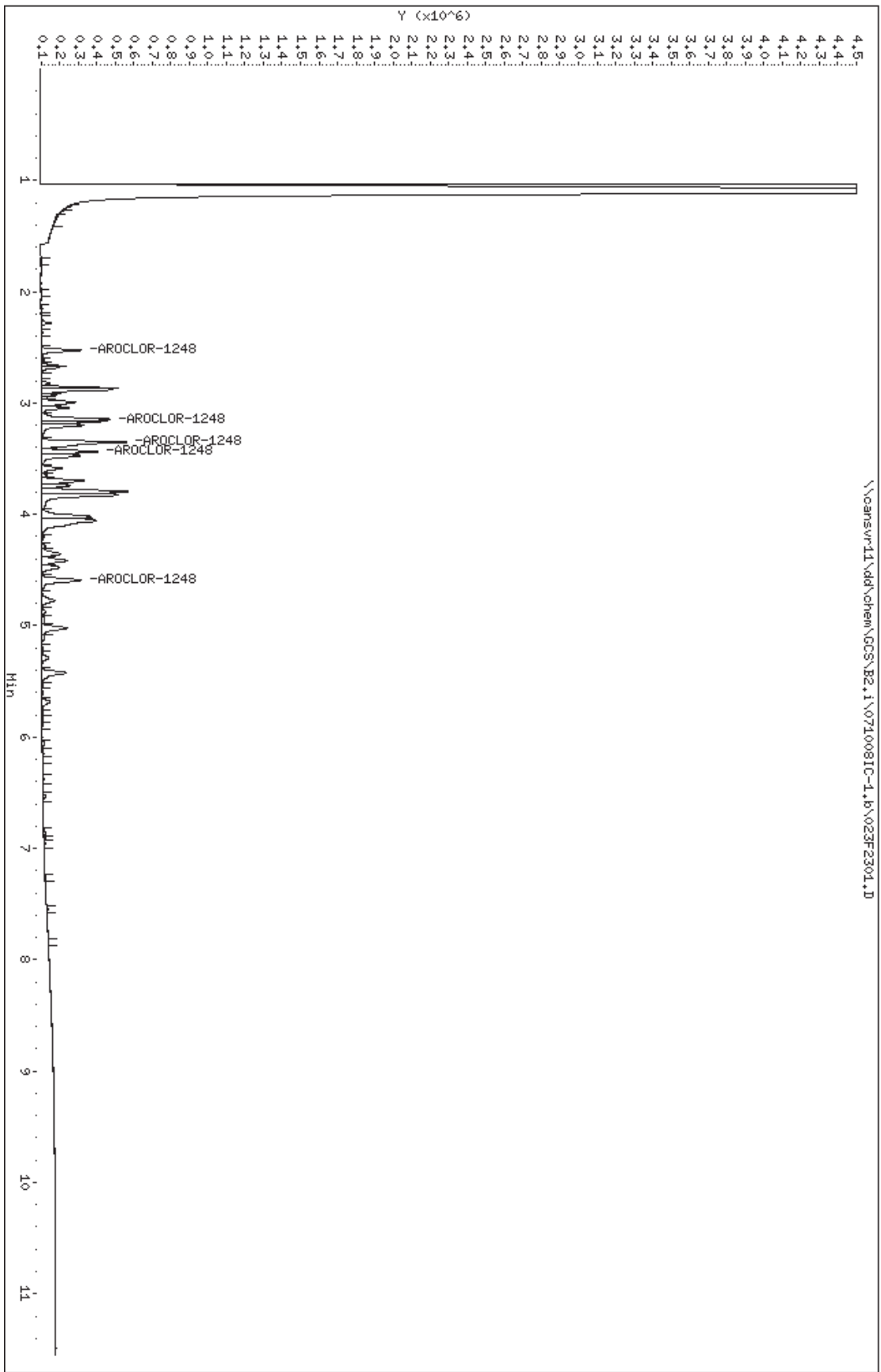
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:57
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,3
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:46 target Quant Type: ESTD
Cal Date : 08-OCT-2007 17:57 Cal File: 023F2301.D
Als bottle: 23 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	370340	0.50000	0.4637	0.00- 0.00	100.00	
3.144	3.144	0.000	609869	0.50000	0.4643	0.00- 0.00	164.68	
3.351	3.351	0.000	1025794	0.50000	0.4762	0.00- 0.00	276.99	
3.436	3.436	0.000	561625	0.50000	0.4852	0.00- 0.00	151.65	
4.592	4.592	0.000	550778	0.50000	0.4960	0.00- 0.00	148.72	
Average of Peak Amounts =					0.47708			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\023F2301.D
Date : 08-OCT-2007 17:57
Client ID:
Sample Info: 1248,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:11
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,4
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:11 Cal File: 024F2401.D
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

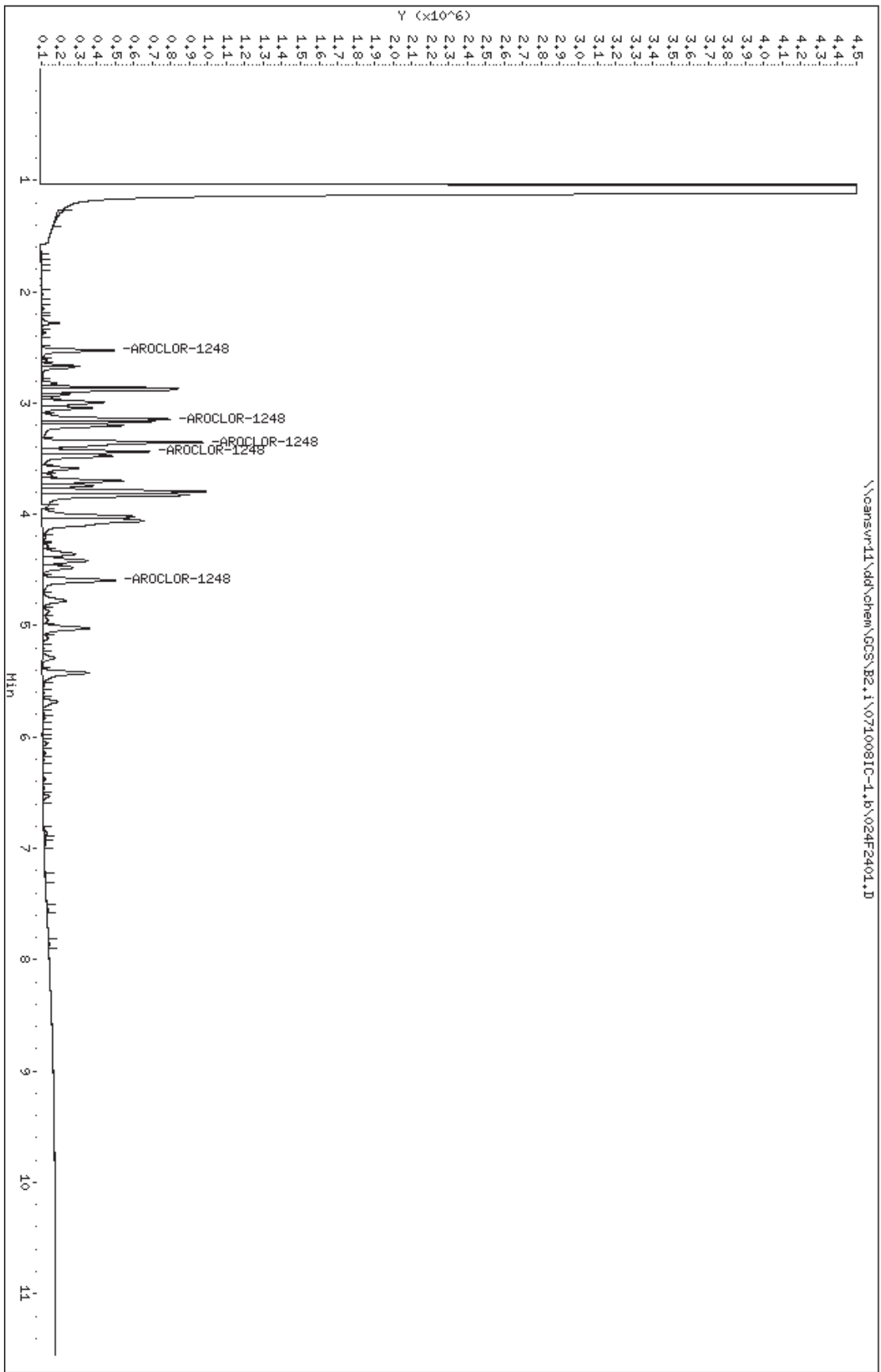
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	669486 1.00000	0.9235	80.00- 120.00	100.00 (M)	
3.145	3.145	0.000	1152706 1.00000	0.9409	129.13- 215.22	172.18	
3.353	3.353	0.000	1899906 1.00000	0.9382	212.84- 354.73	283.79	
3.437	3.437	0.000	1060243 1.00000	0.9634	118.78- 197.96	158.37	
4.592	4.592	0.000	1019714 1.00000	0.9666	114.23- 190.39	152.31	
Average of Peak Amounts =				0.94652			

QC Flag Legend

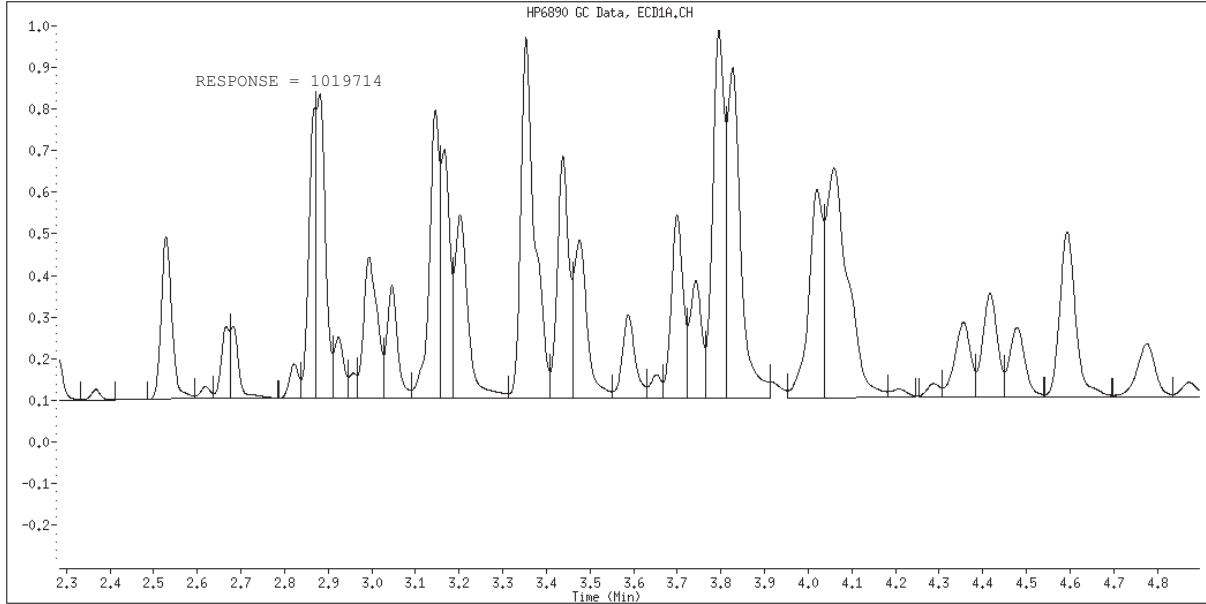
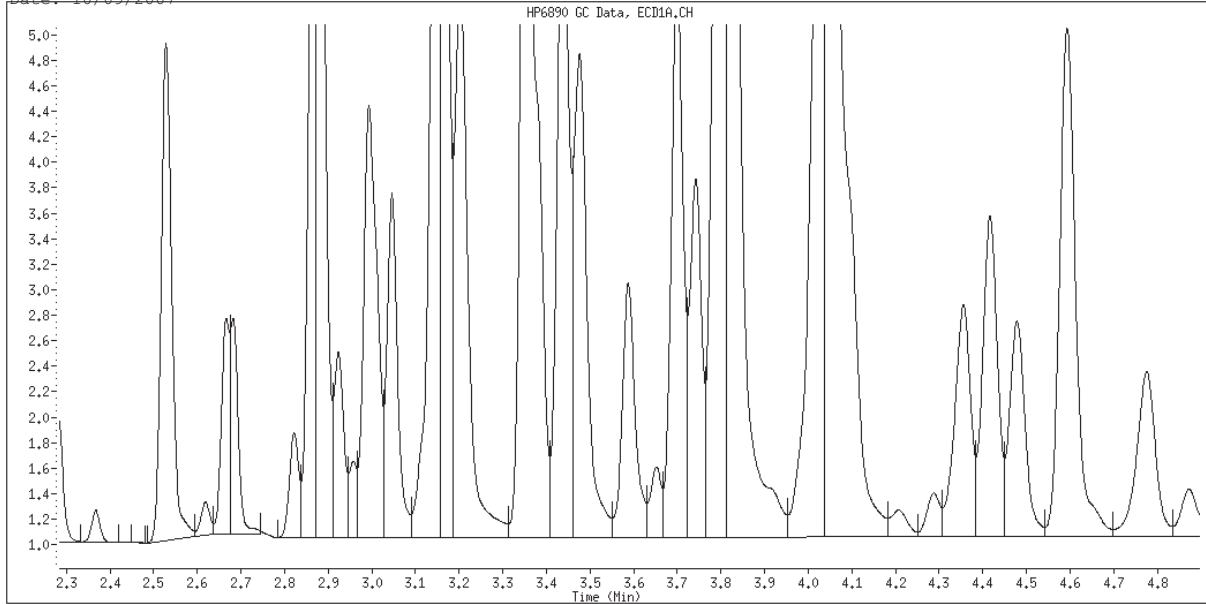
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\024F2401.D
Date : 08-OCT-2007 18:11
Client ID:
Sample Info: 1248,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 024F2401.D
Inj. Date and Time: 08-OCT-2007 18:11
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:25
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,5
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:25 Cal File: 025F2501.D
Als bottle: 25 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

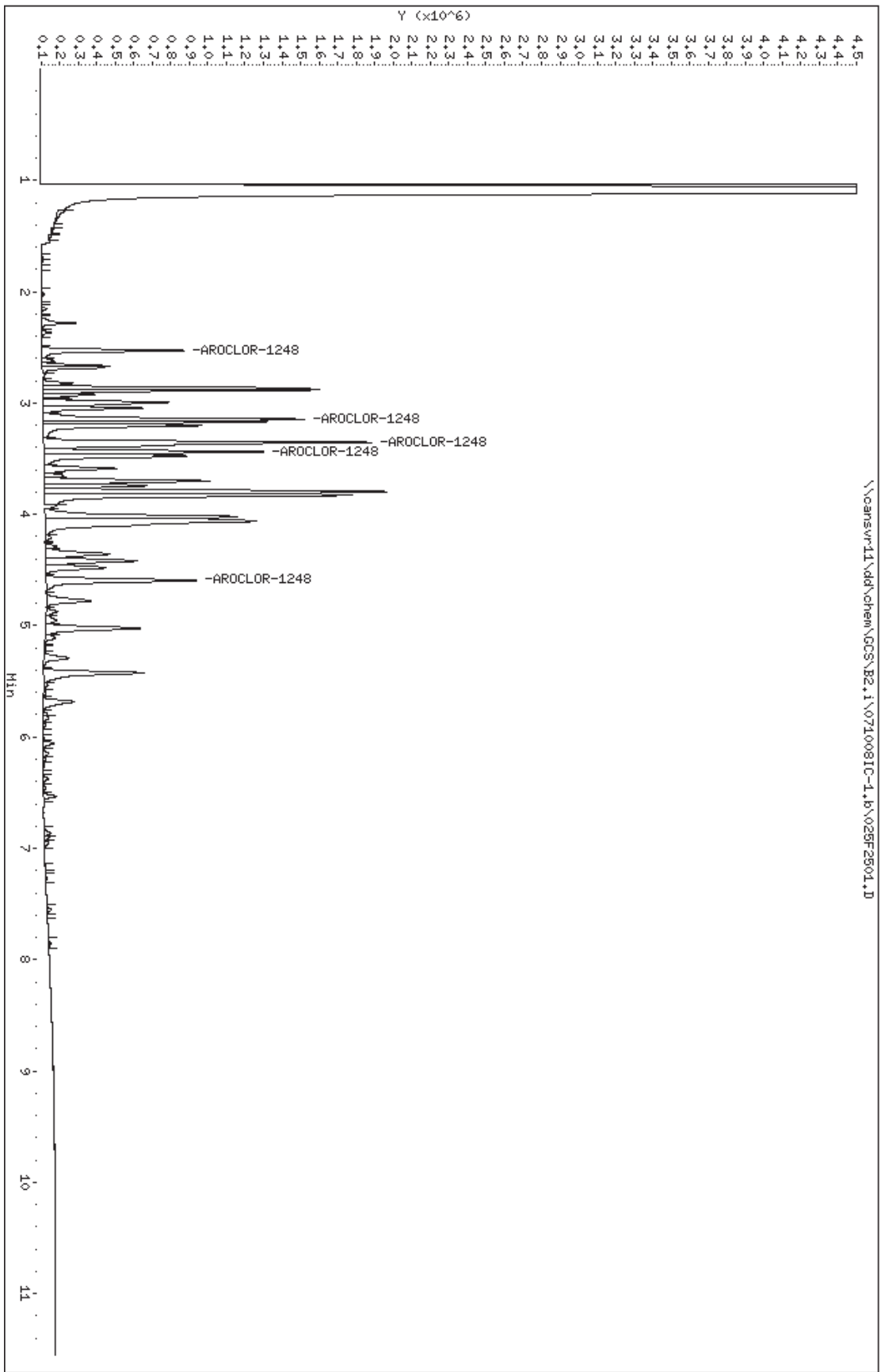
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6				
2.528	2.528	0.000	1316133	2.00000	1.816 75.00- 125.00	100.00 (M)	
3.145	3.145	0.000	2311995	2.00000	1.906 121.27- 202.12	175.67	
3.354	3.354	0.000	3837929	2.00000	1.910 202.33- 337.22	291.61	
3.438	3.438	0.000	2113500	2.00000	1.945 109.77- 182.95	160.58	
4.594	4.594	0.000	1951441	2.00000	1.864 109.01- 181.68	148.27	
Average of Peak Amounts =			1.88820				

QC Flag Legend

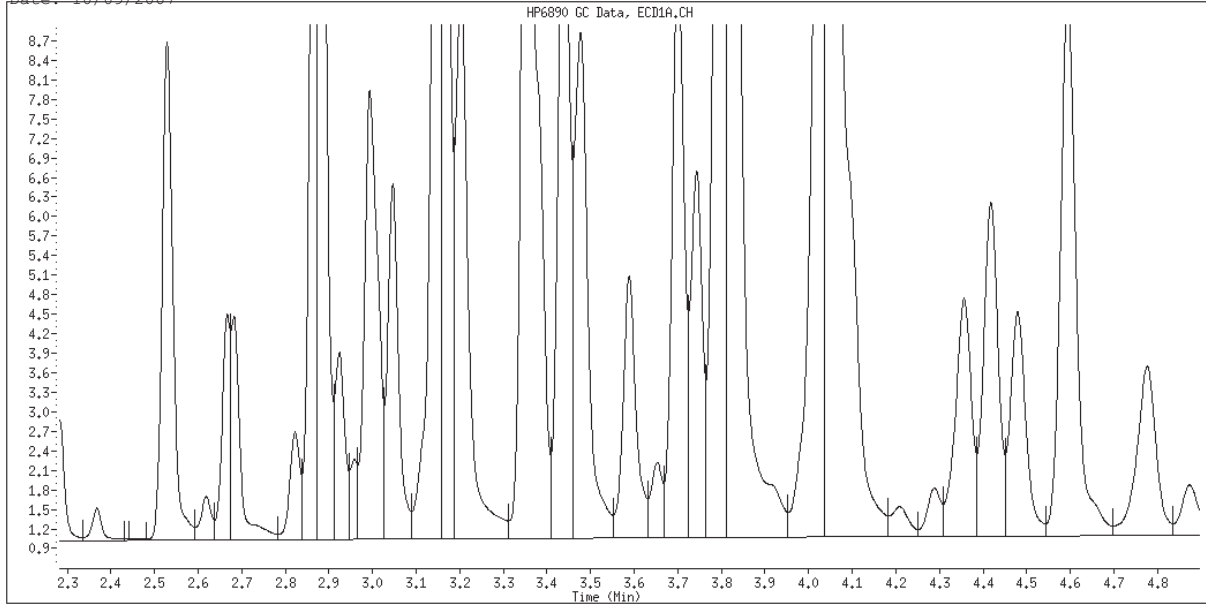
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\025F2501.D
Date : 08-OCT-2007 18:25
Client ID:
Sample Info: 1248, 1.5
Column phase: restek pest c1p1

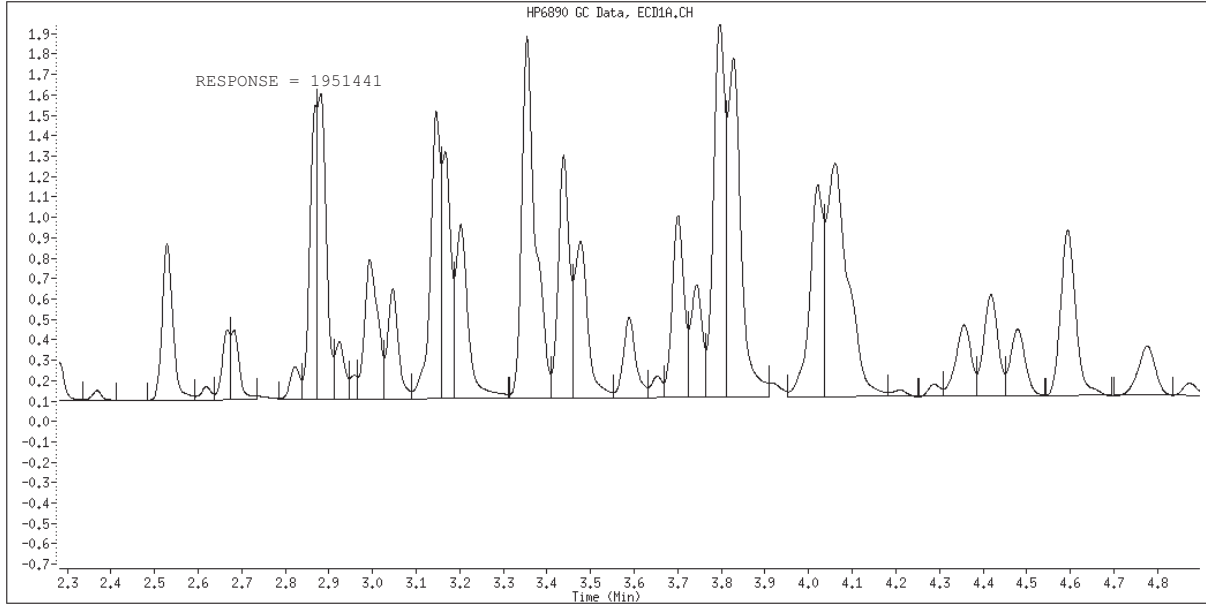
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 025F2501.D
Inj. Date and Time: 08-OCT-2007 18:25
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:39
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,6
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:39 Cal File: 026F2601.D
Als bottle: 26 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

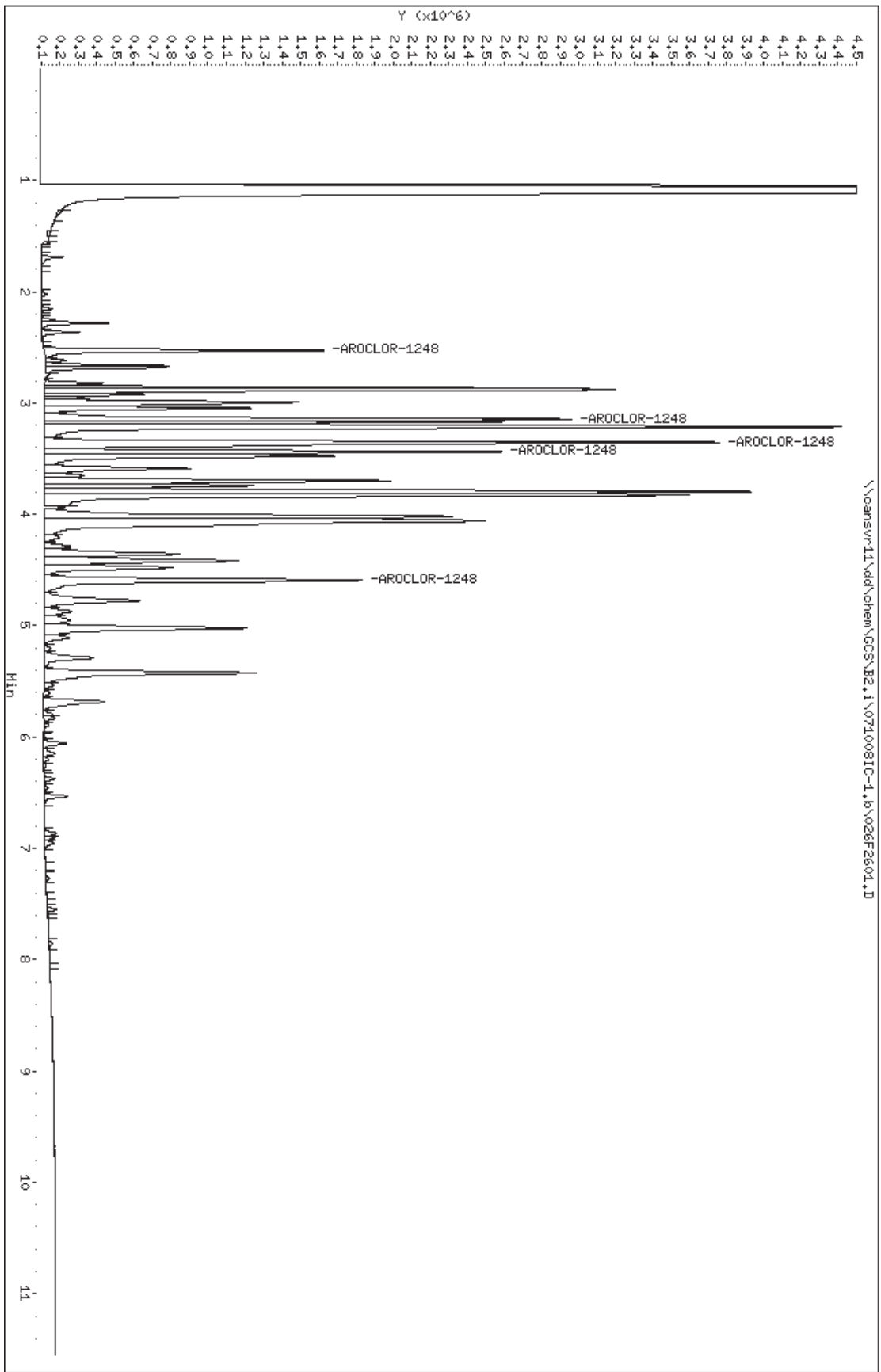
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	2508176	4.00000	3.459 75.00- 125.00	100.00(M)	
3.145	3.145	0.000	4599023	4.00000	3.729 129.13- 215.22	183.36	
3.353	3.353	0.000	7804069	4.00000	3.828 212.84- 354.73	311.15	
3.437	3.437	0.000	4296743	4.00000	3.869 118.78- 197.96	171.31	
4.592	4.592	0.000	4283765	4.00000	4.017 114.23- 190.39	170.79	
Average of Peak Amounts =			3.78040				

QC Flag Legend

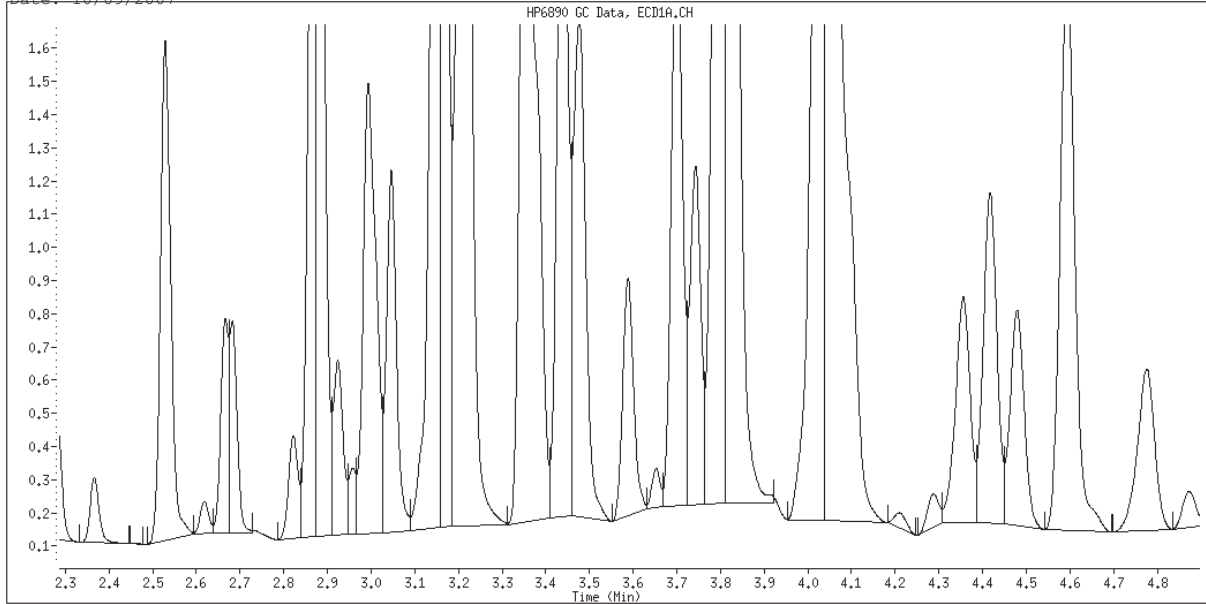
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.b\026F2601.D
Date : 08-OCT-2007 18:39
Client ID:
Sample Info: 1248,1,6
Column phase: restek pest c1p1

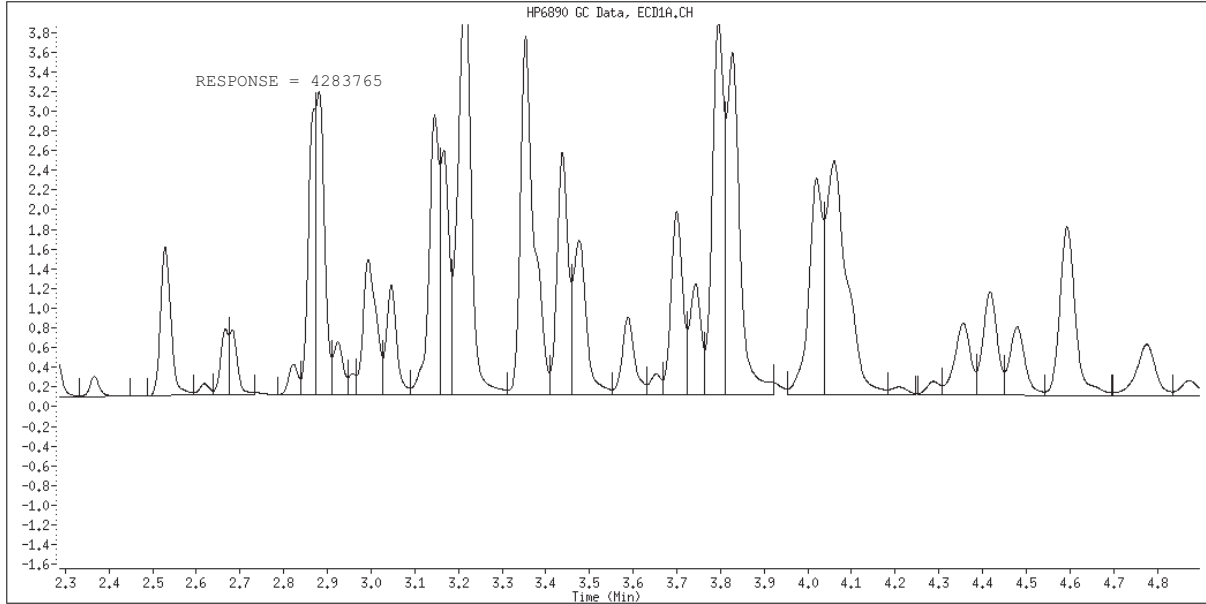
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 026F2601.D
Inj. Date and Time: 08-OCT-2007 18:39
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 18:53
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,1
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
 Als bottle: 27 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	344161	0.10000	0.1000	0.00-	0.00	100.00 (M)
4.592	4.592	0.000	389522	0.10000	0.1000	0.00-	0.00	113.18
5.022	5.022	0.000	294465	0.10000	0.1000	0.00-	0.00	85.56
5.290	5.290	0.000	259558	0.10000	0.1000	0.00-	0.00	75.42
5.682	5.682	0.000	396921	0.10000	0.1000	0.00-	0.00	115.33
Average of Peak Amounts =				0.10000				

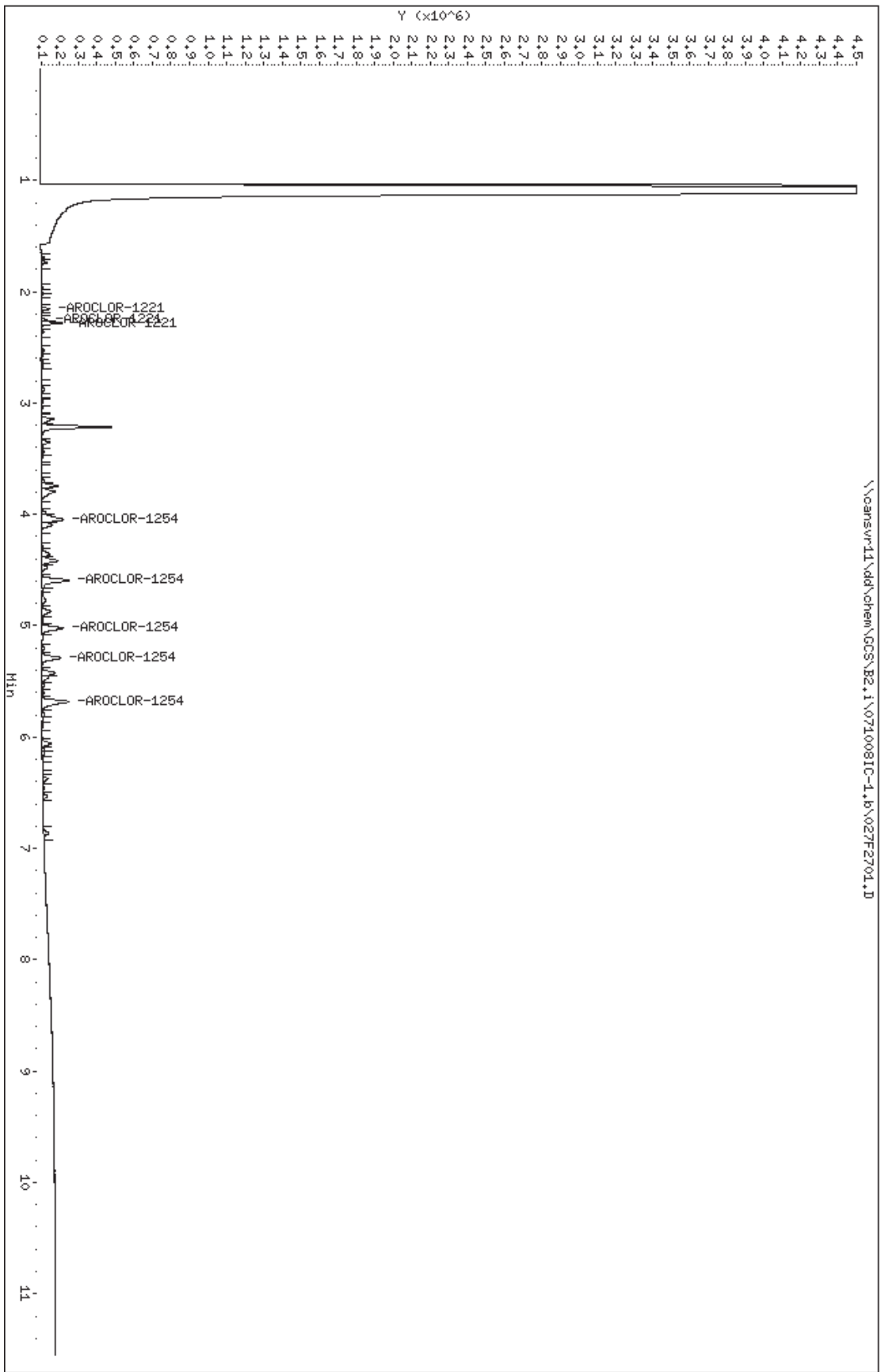
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	63163	0.10000	0.1000	0.00-	0.00	100.00
2.255	2.255	0.000	37643	0.10000	0.1000	0.00-	0.00	59.60
2.282	2.282	0.000	164593	0.10000	0.1000	0.00-	0.00	260.58
Average of Peak Amounts =				0.10000				

QC Flag Legend

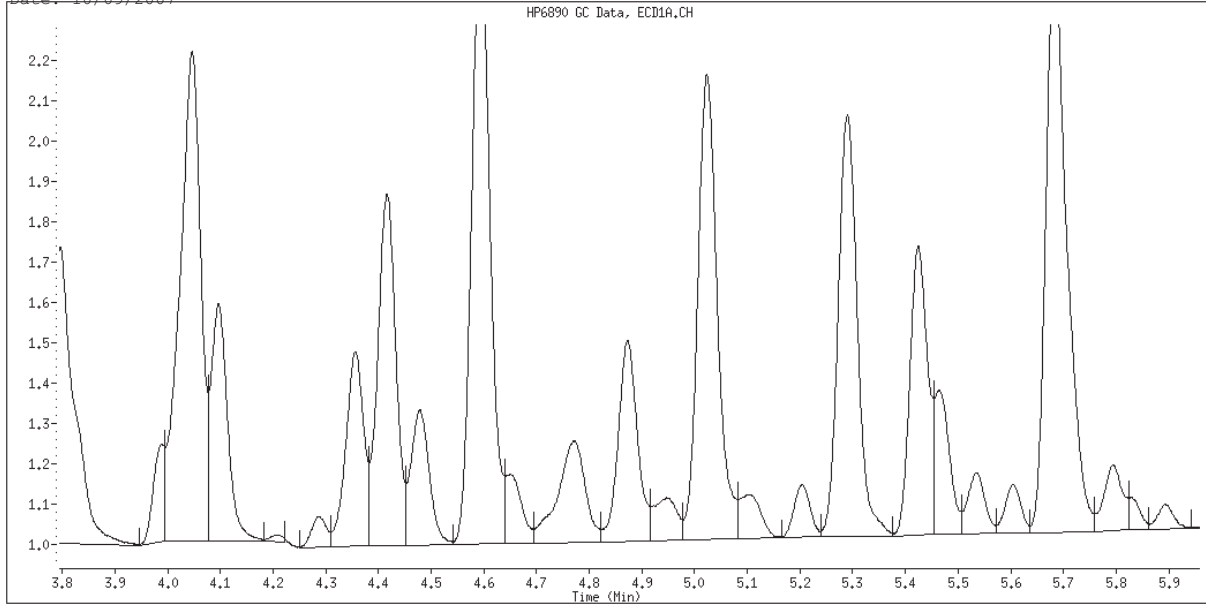
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\027F2701.D
 Date : 08-OCT-2007 18:53
 Client ID:
 Sample Info: 2154,1,1
 Column phase: restek pest c1p1

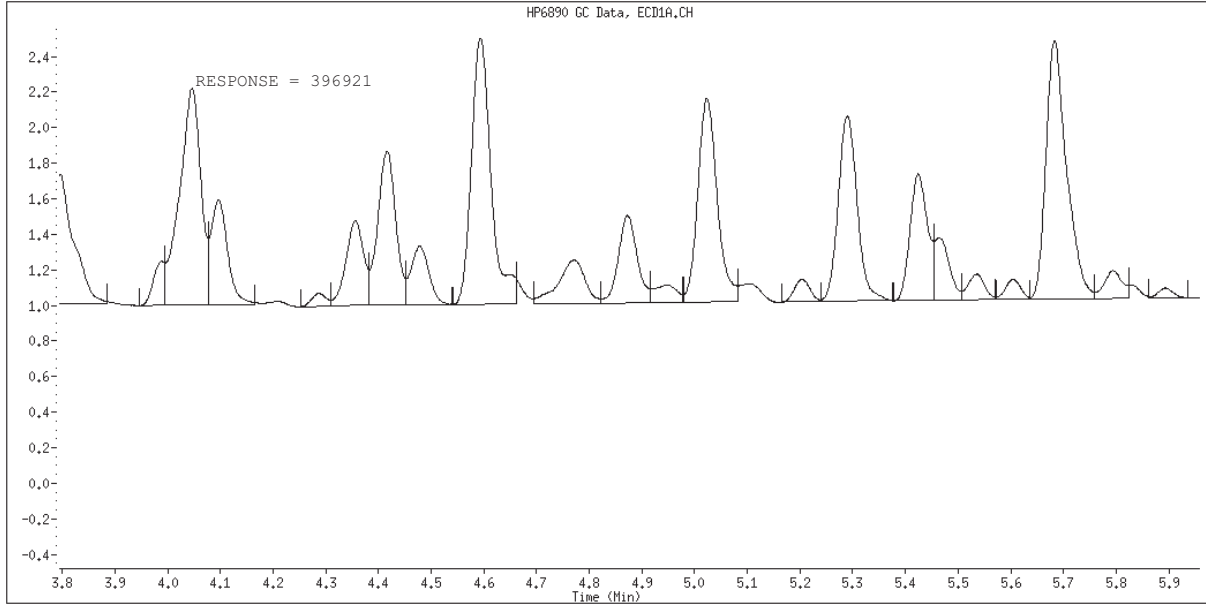
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 08-OCT-2007 18:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:08
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,2
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
 Als bottle: 28 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	658330	0.20000	0.2204	75.00-	125.00	100.00(M)
4.593	4.594	-0.001	735725	0.20000	0.2150	86.44-	144.07	111.76
5.023	5.022	0.001	549217	0.20000	0.2137	64.92-	108.19	83.43
5.289	5.289	0.000	489613	0.20000	0.2143	58.07-	96.78	74.37
5.681	5.682	-0.001	760830	0.20000	0.2124	91.03-	151.72	115.57
Average of Peak Amounts =				0.21516				

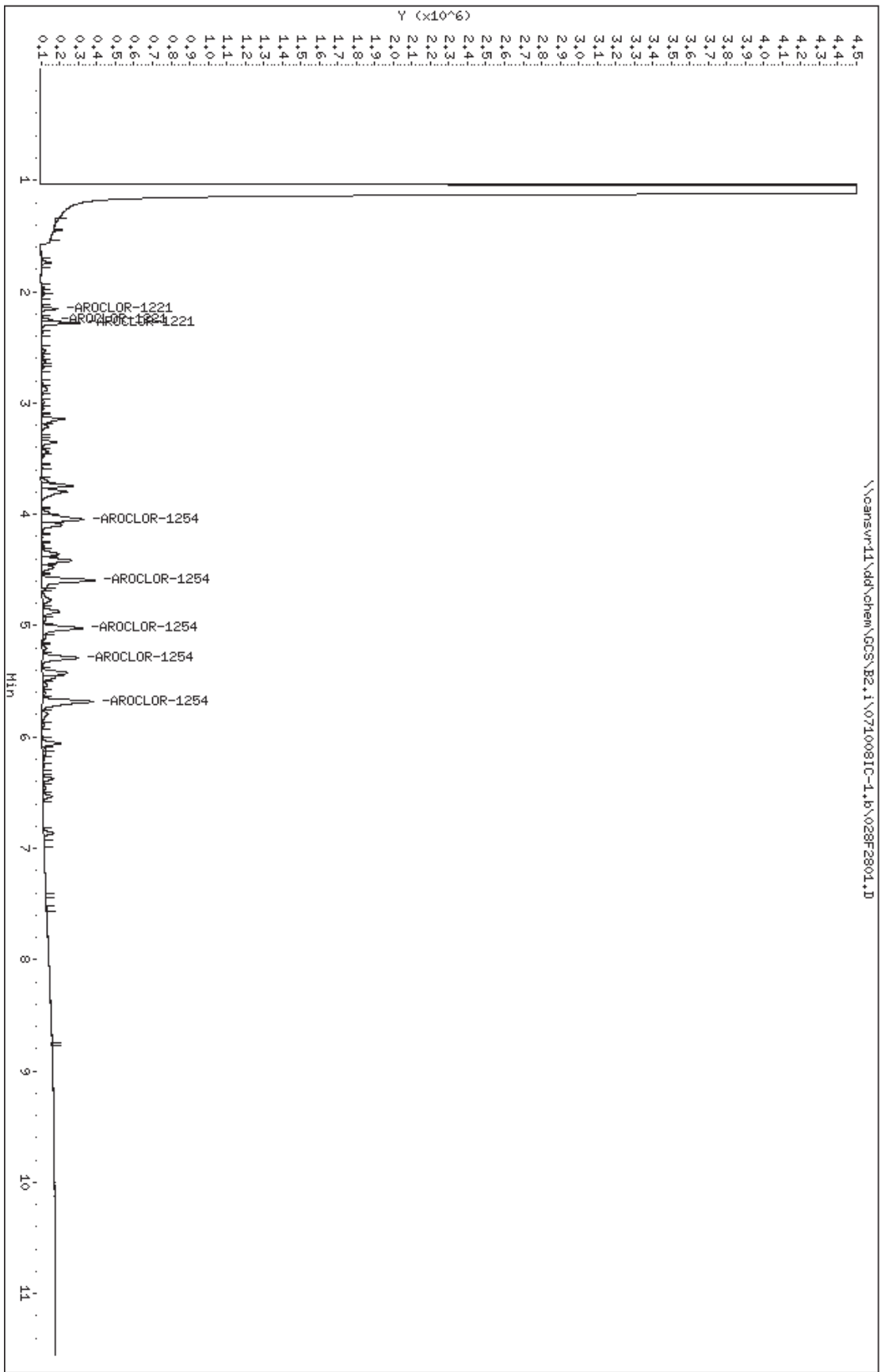
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	127136	0.20000	0.2252	75.00-	125.00	100.00
2.254	2.254	0.000	73077	0.20000	0.2236	44.64-	74.40	57.48
2.282	2.282	0.000	315332	0.20000	0.2256	179.68-	299.46	248.03
Average of Peak Amounts =				0.22480				

QC Flag Legend

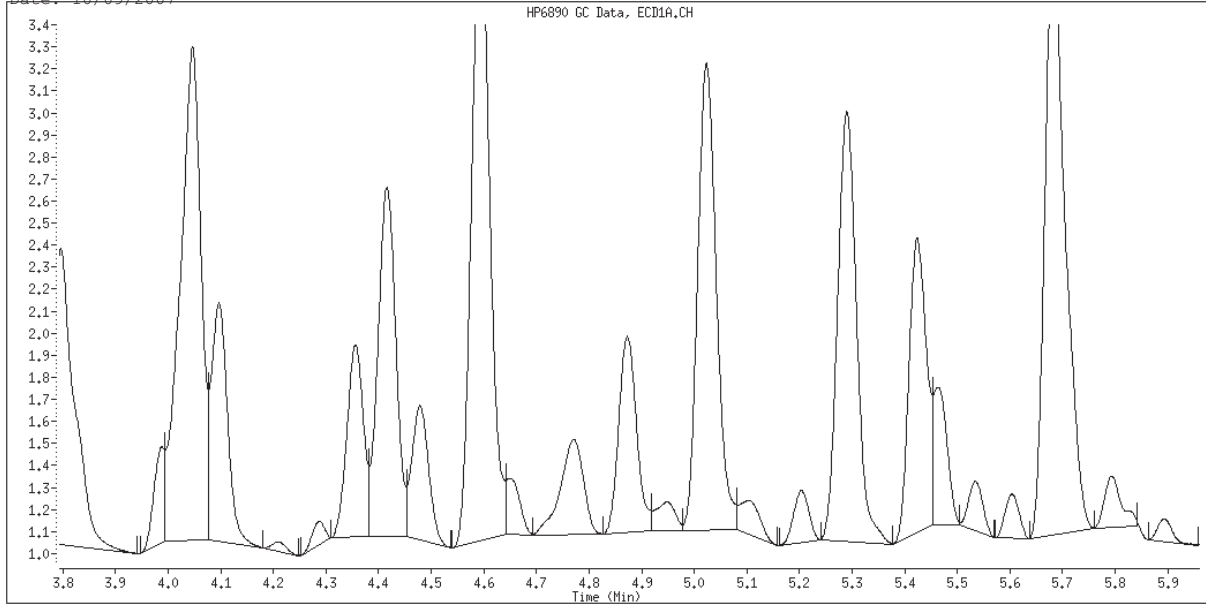
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\028F2801.D
 Date : 08-OCT-2007 19:08
 Client ID:
 Sample Info: 2154,1,2
 Column phase: restek pest c1p1

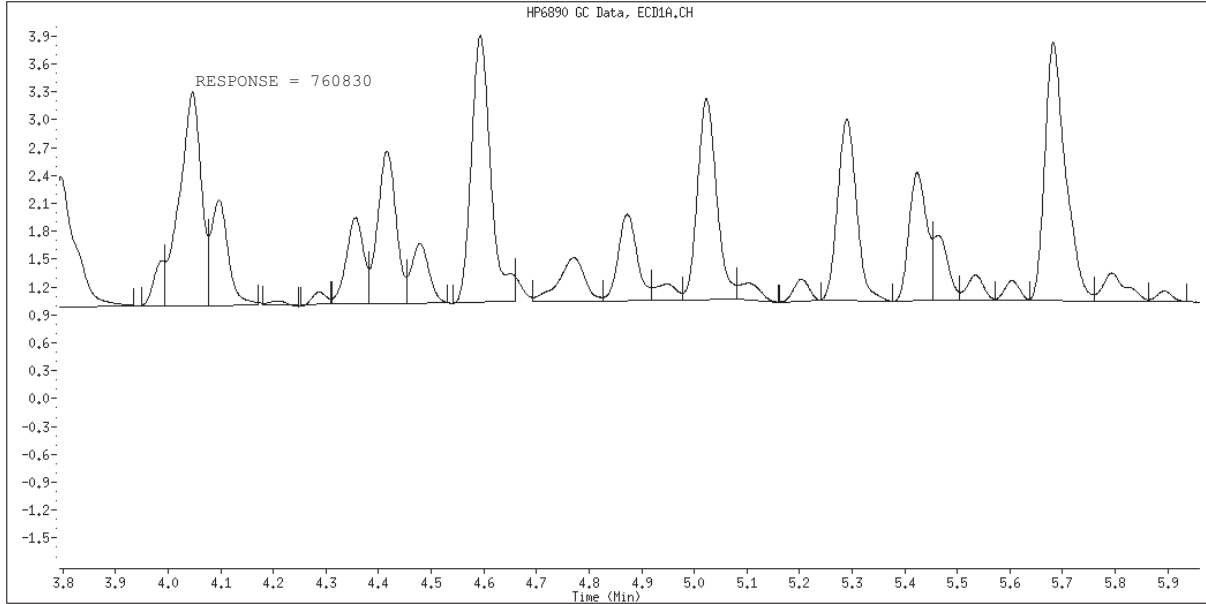
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 028F2801.D
Inj. Date and Time: 08-OCT-2007 19:08
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:22
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,3
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
 Als bottle: 29 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	1547013 0.50000	0.5154	75.00- 125.00	100.00 (M)	
4.594	4.594	0.000	1751536 0.50000	0.5084	86.44- 144.07	113.22	
5.022	5.022	0.000	1402396 0.50000	0.5353	64.92- 108.19	90.65	
5.289	5.289	0.000	1228850 0.50000	0.5317	58.07- 96.78	79.43	
5.682	5.682	0.000	1882231 0.50000	0.5198	91.03- 151.72	121.67	
Average of Peak Amounts =				0.52212			

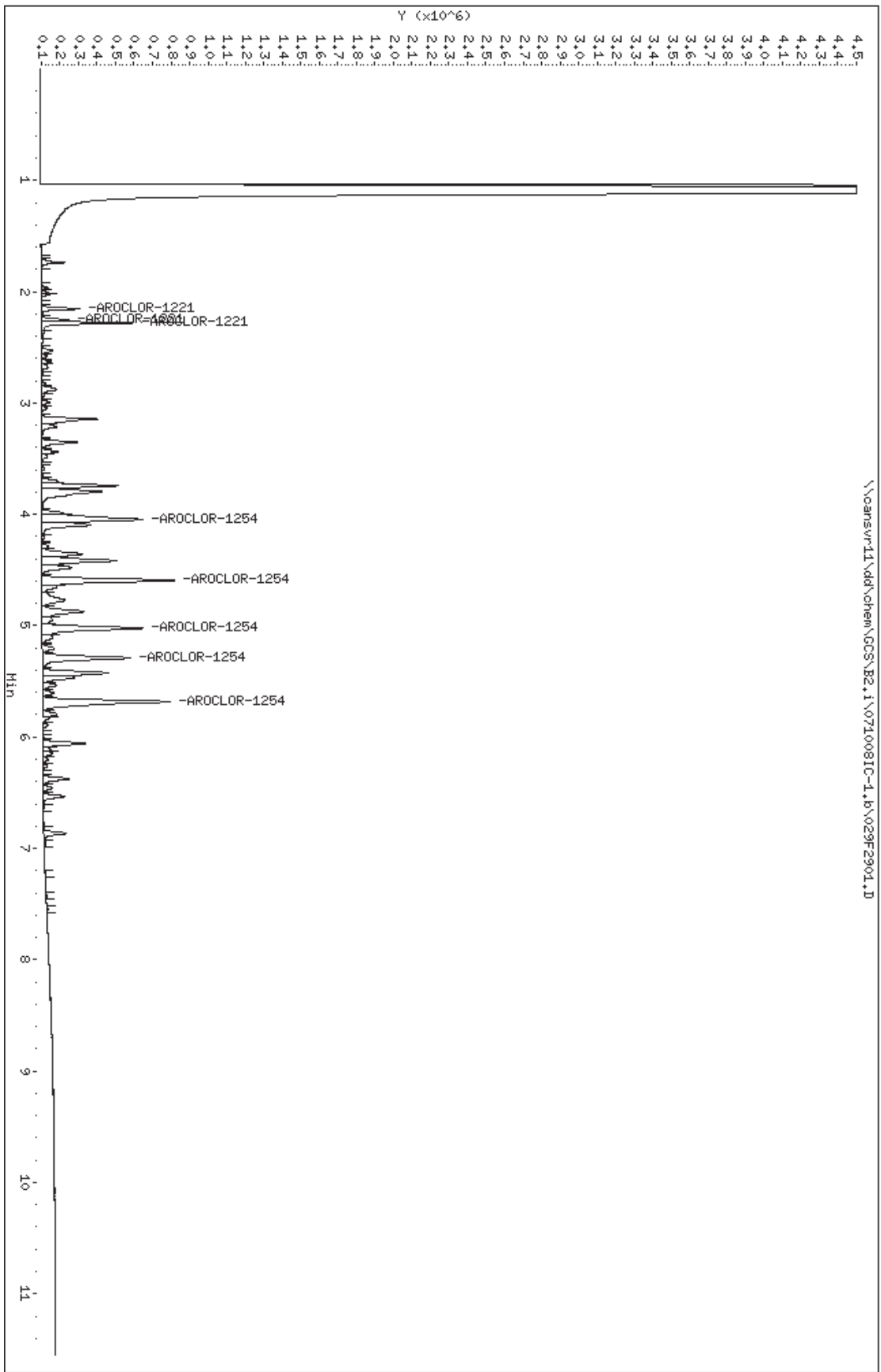
2 AROCLOR-1221				CAS #: 11104-28-2			
2.154	2.154	0.000	295052 0.50000	0.5225	75.00- 125.00	100.00	
2.254	2.254	0.000	174036 0.50000	0.5326	44.64- 74.40	58.98	
2.282	2.282	0.000	720108 0.50000	0.5153	179.68- 299.46	244.06	
Average of Peak Amounts =				0.52347			

QC Flag Legend

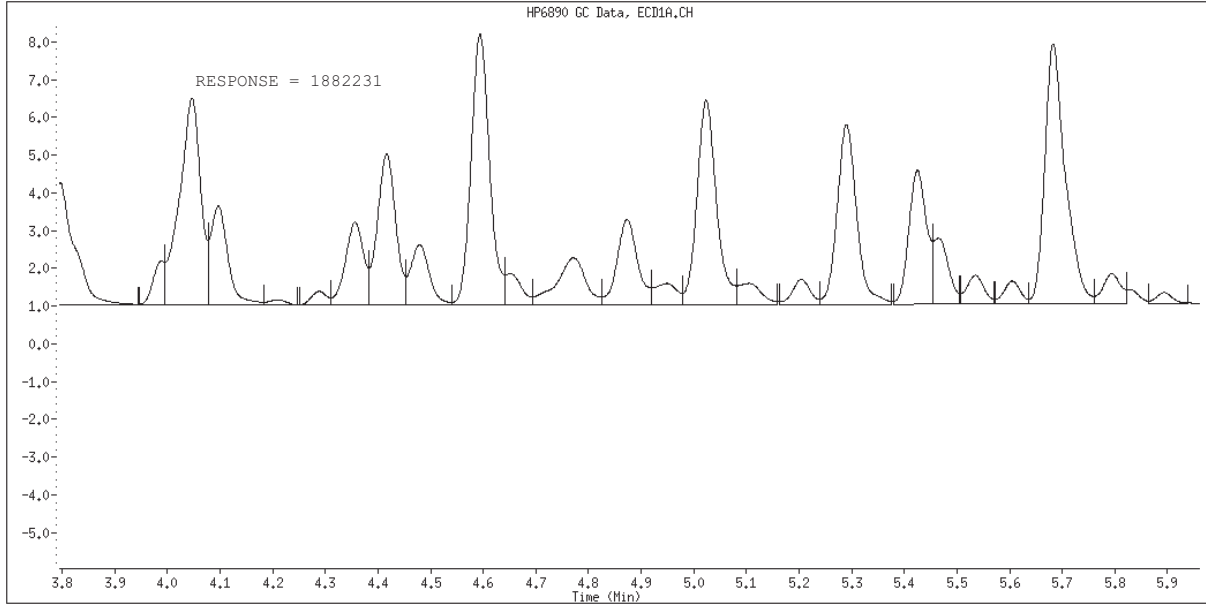
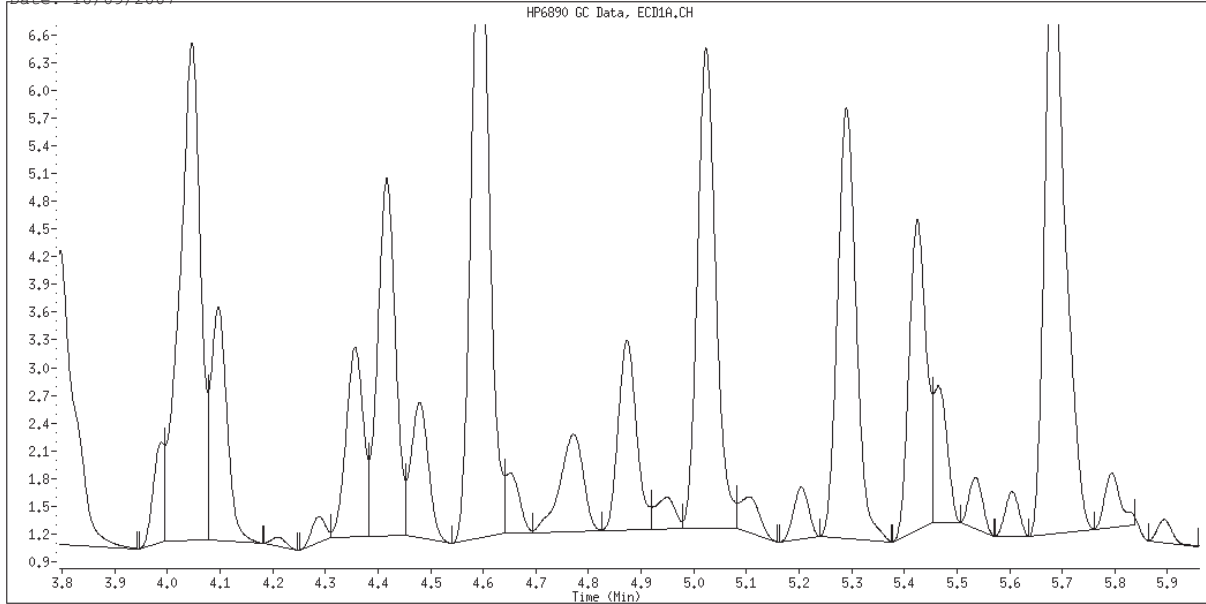
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\029F2901.D
Date : 08-OCT-2007 19:22
Client ID:
Sample Info: 2154,1.3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 029F2901.D
Inj. Date and Time: 08-OCT-2007 19:22
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:36
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,4
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
 Als bottle: 30 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	2877123 1.00000	0.9513	80.00- 120.00	100.00(M)	
4.595	4.595	0.000	3286638 1.00000	0.9480	85.68- 142.79	114.23	
5.024	5.024	0.000	2591924 1.00000	0.9758	67.57- 112.61	90.09	
5.290	5.290	0.000	2228730 1.00000	0.9570	58.10- 96.83	77.46	
5.683	5.683	0.000	3482902 1.00000	0.9550	90.79- 151.32	121.06	
Average of Peak Amounts =				0.95742			

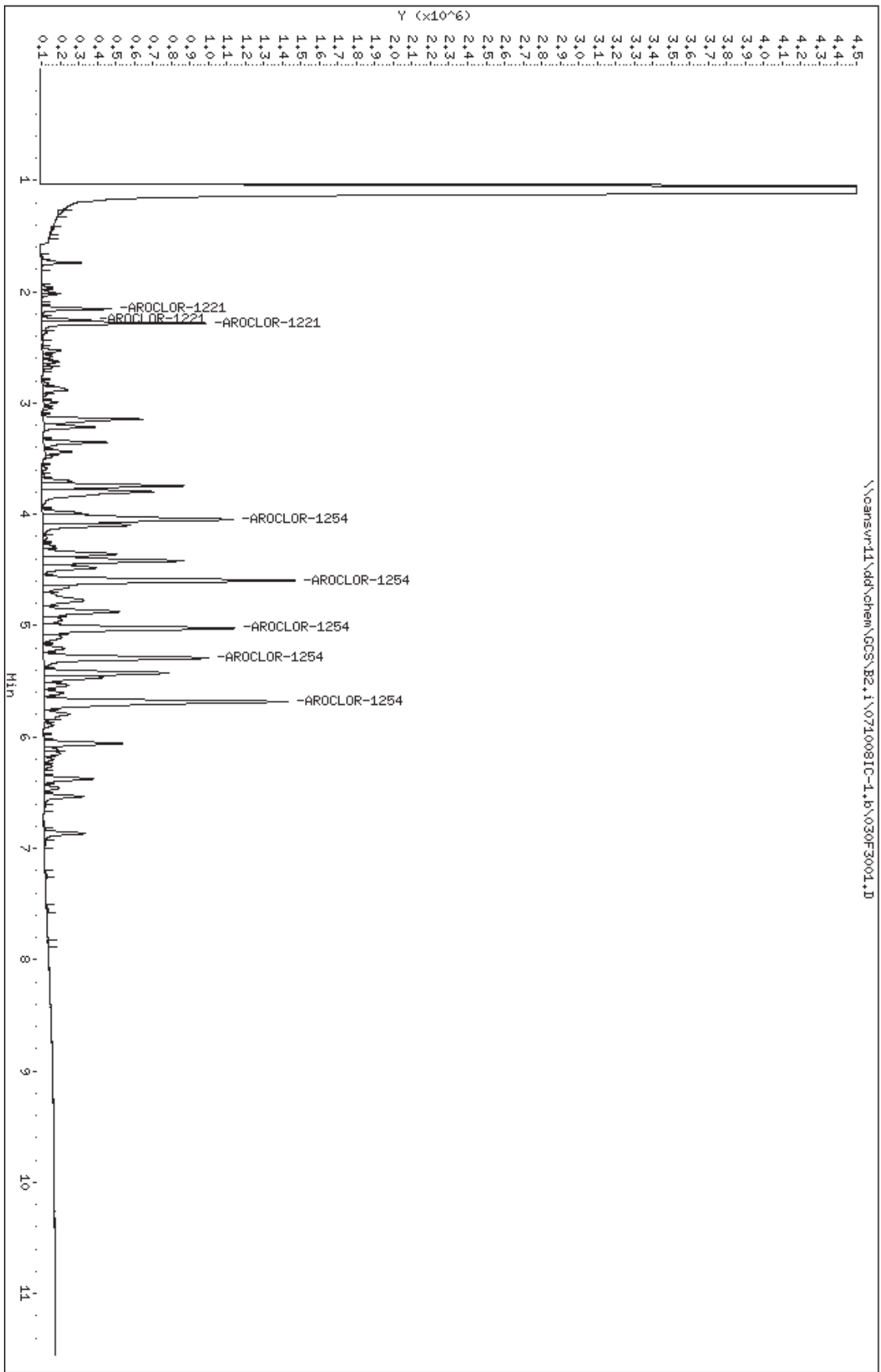
2 AROCLOR-1221				CAS #: 11104-28-2			
2.155	2.155	0.000	537818 1.00000	0.9525	80.00- 120.00	100.00	
2.255	2.255	0.000	320099 1.00000	0.9796	44.64- 74.40	59.52	
2.282	2.282	0.000	1288442 1.00000	0.9219	179.68- 299.46	239.57	
Average of Peak Amounts =				0.95133			

QC Flag Legend

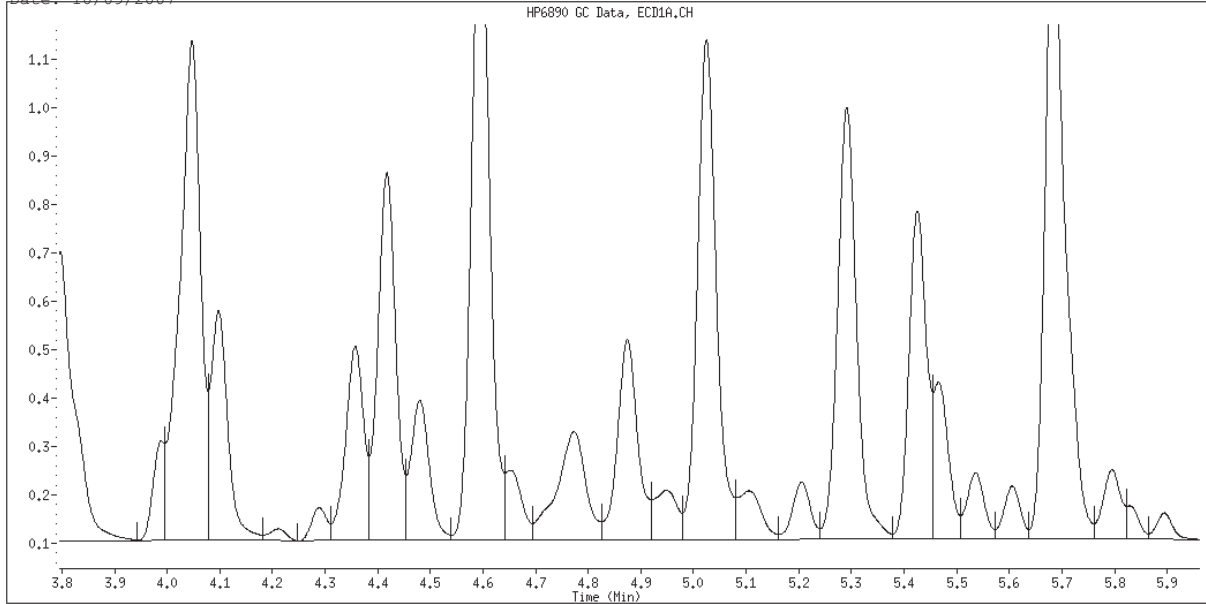
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\030F3001.D
 Date : 08-OCT-2007 19:36
 Client ID:
 Sample Info: 2154,1,4
 Column phase: restek pest c1p1

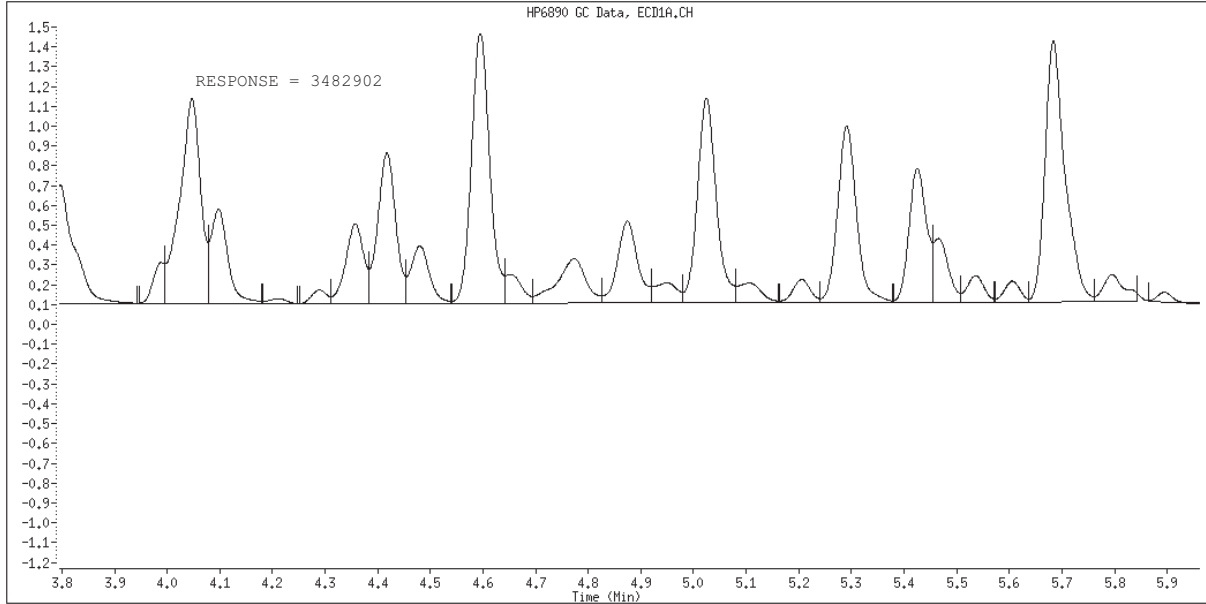
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 030F3001.D
Inj. Date and Time: 08-OCT-2007 19:36
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:50
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,5
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
 Als bottle: 31 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.047	4.047	0.000	5801945	2.00000	1.904	75.00-	125.00	100.00(M)
4.593	4.593	0.000	6788289	2.00000	1.945	85.68-	142.79	117.00
5.023	5.023	0.000	5374460	2.00000	1.992	67.57-	112.61	92.63
5.290	5.290	0.000	4565576	2.00000	1.942	58.10-	96.83	78.69
5.682	5.682	0.000	7254614	2.00000	1.973	90.79-	151.32	125.04
Average of Peak Amounts =				1.95120				

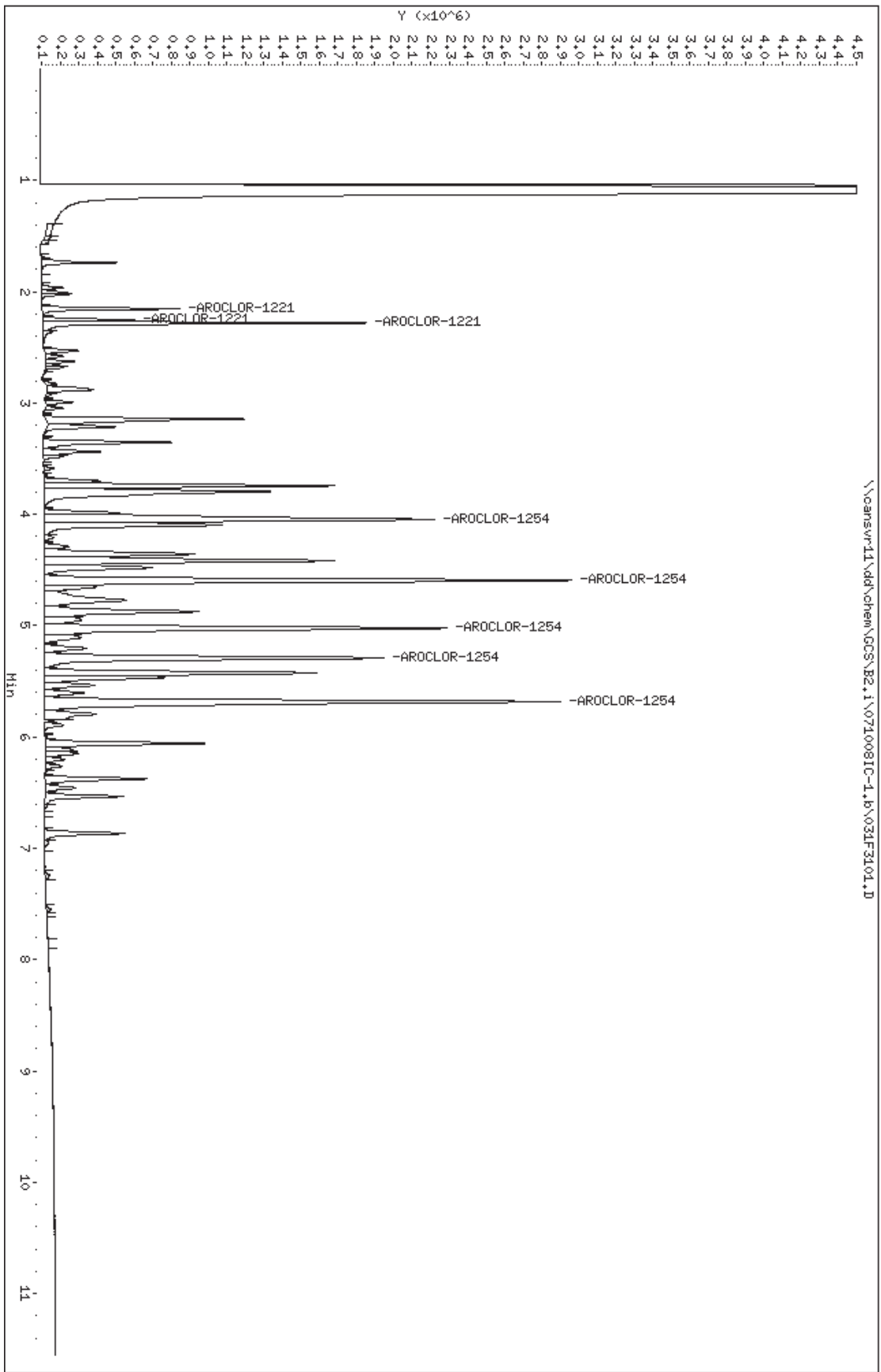
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	1028147	2.00000	1.821	75.00-	125.00	100.00
2.254	2.254	0.000	575194	2.00000	1.760	44.64-	74.40	55.94
2.282	2.282	0.000	2496550	2.00000	1.786	179.68-	299.46	242.82
Average of Peak Amounts =				1.78900				

QC Flag Legend

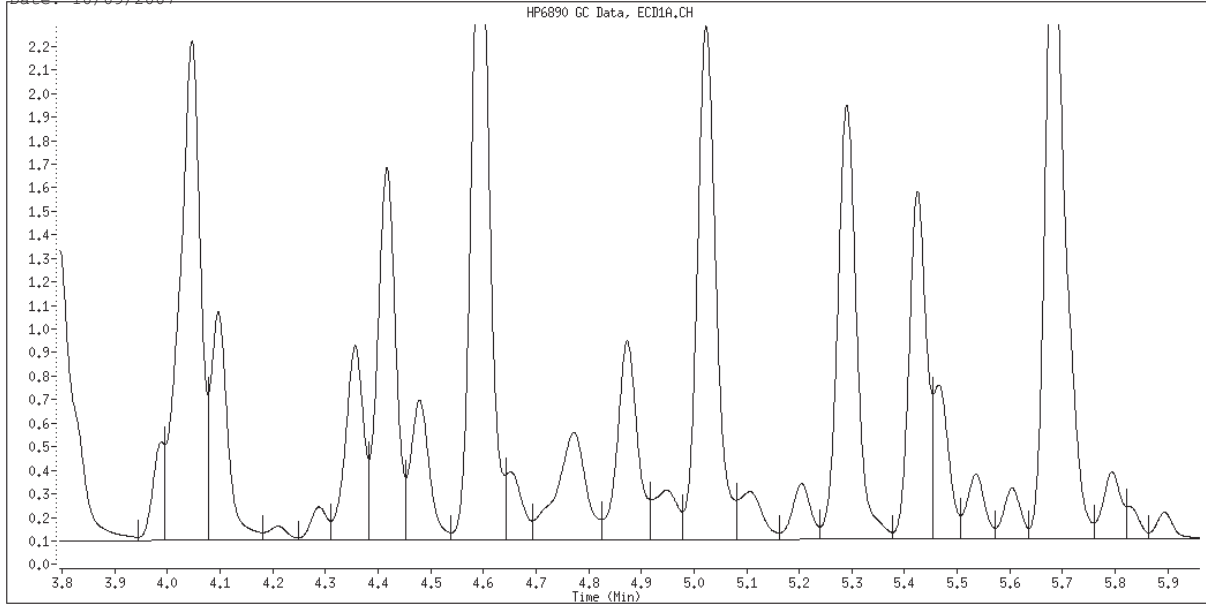
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\031F3101.D
Date : 08-OCT-2007 19:50
Client ID:
Sample Info: 2154,1,5
Column phase: restek pest c1p1

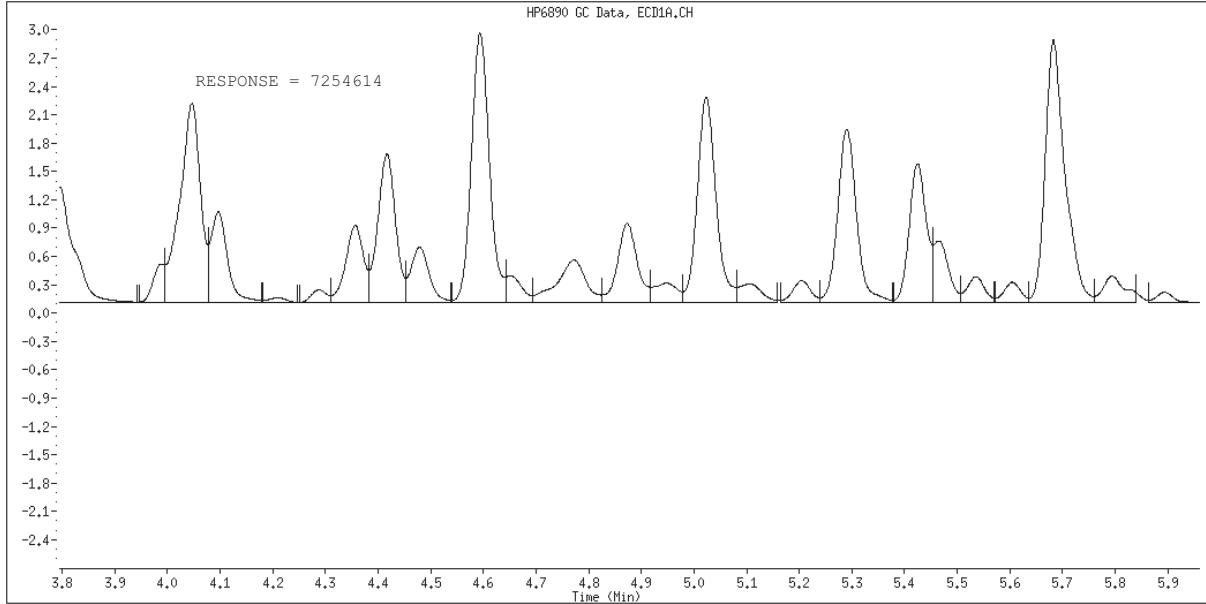
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 031F3101.D
Inj. Date and Time: 08-OCT-2007 19:50
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
 Report Date: 09-Oct-2007 10:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 20:04
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,6
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 32 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	11235978	4.00000	3.661	75.00-	125.00	100.00(M)
4.593	4.593	0.000	13252393	4.00000	3.774	85.68-	142.79	117.95
5.022	5.022	0.000	10537789	4.00000	3.853	67.57-	112.61	93.79
5.290	5.290	0.000	8869355	4.00000	3.740	58.10-	96.83	78.94
5.682	5.682	0.000	14293565	4.00000	3.859	90.79-	151.32	127.21
Average of Peak Amounts =				3.77740				

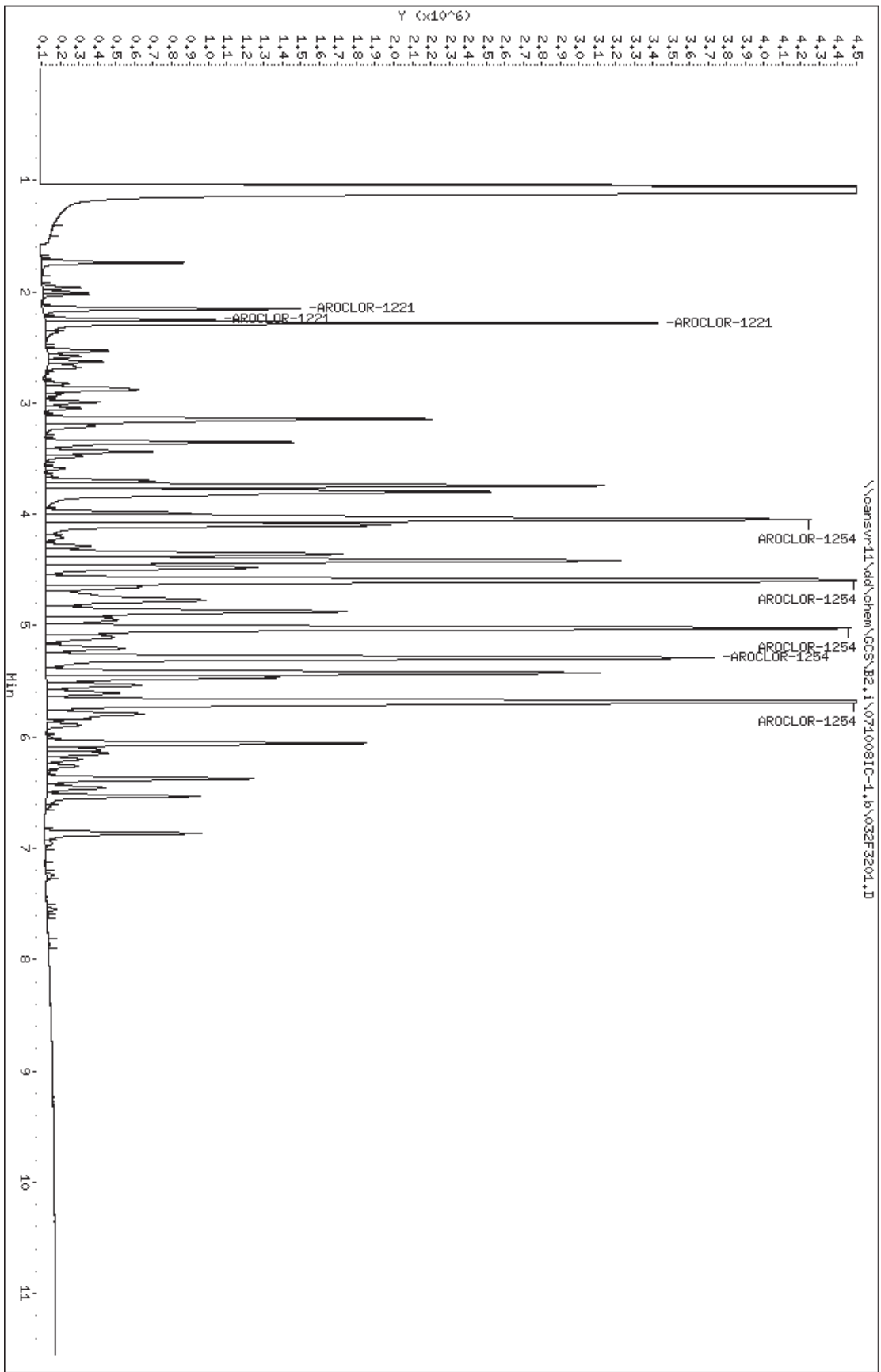
2 AROCLOR-1221			CAS #: 11104-28-2					
2.155	2.155	0.000	1914387	4.00000	3.390	75.00-	125.00	100.00
2.255	2.255	0.000	1051617	4.00000	3.218	44.64-	74.40	54.93
2.282	2.282	0.000	4743393	4.00000	3.394	179.68-	299.46	247.78
Average of Peak Amounts =				3.33400				

QC Flag Legend

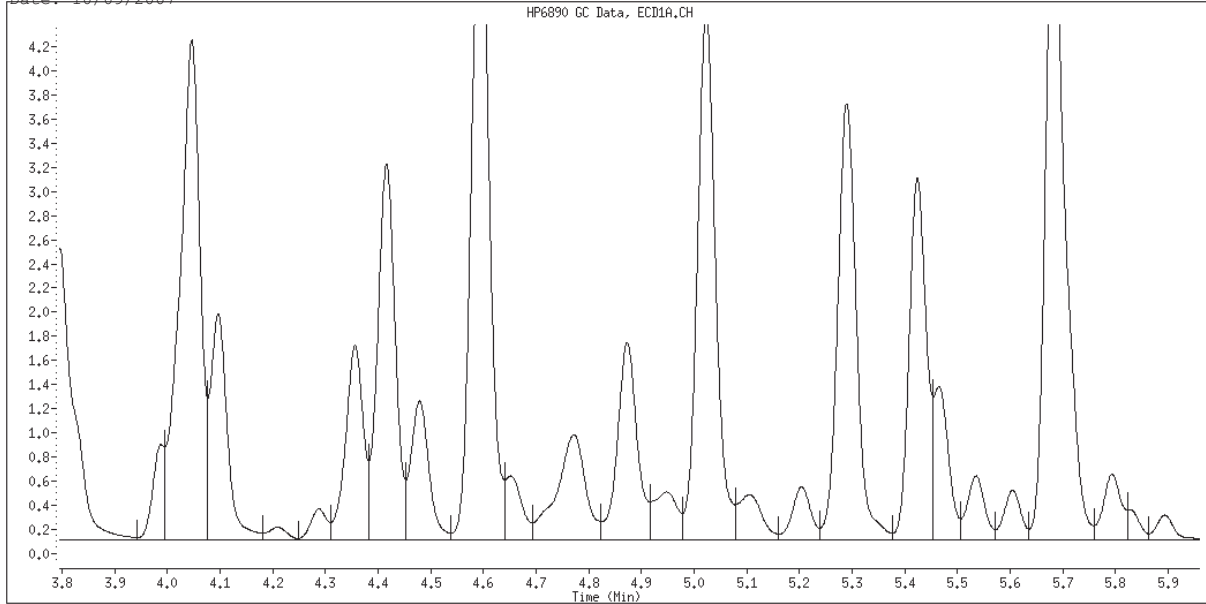
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\CCS\B2.1\0710081C-1.1\032F3201.D
Date : 08-OCT-2007 20:04
Client ID:
Sample Info: 2154,1,6
Column phase: restek pest c1p1

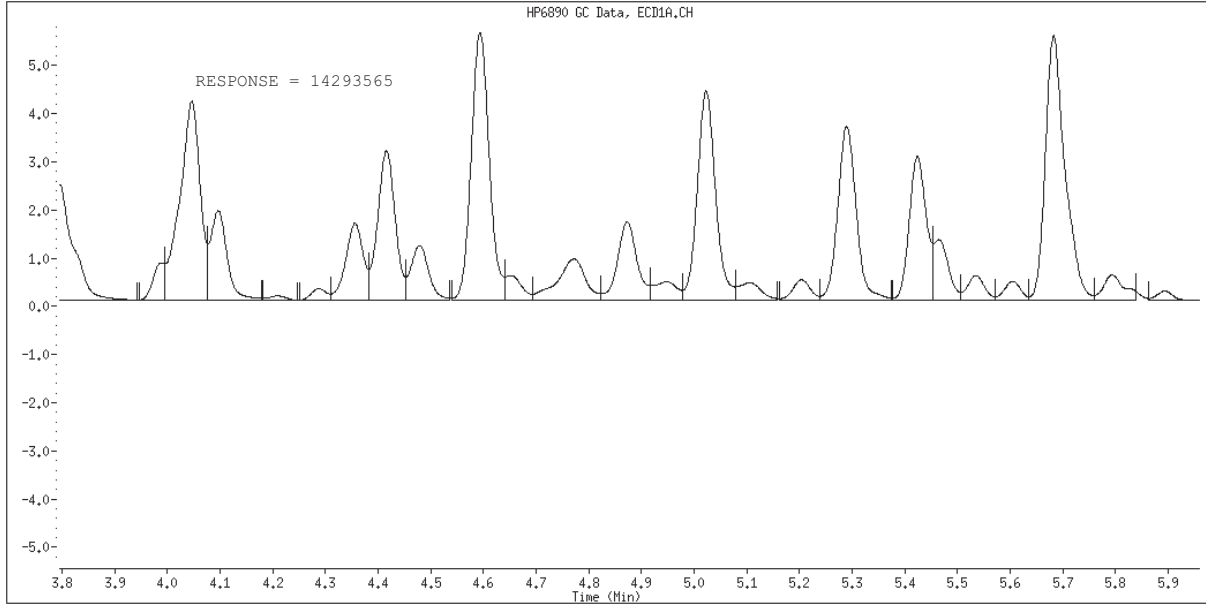
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 032F3201.D
Inj. Date and Time: 08-OCT-2007 20:04
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Report Date: 09-Oct-2007 12:39

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:43
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,1
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
Als bottle: 15 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

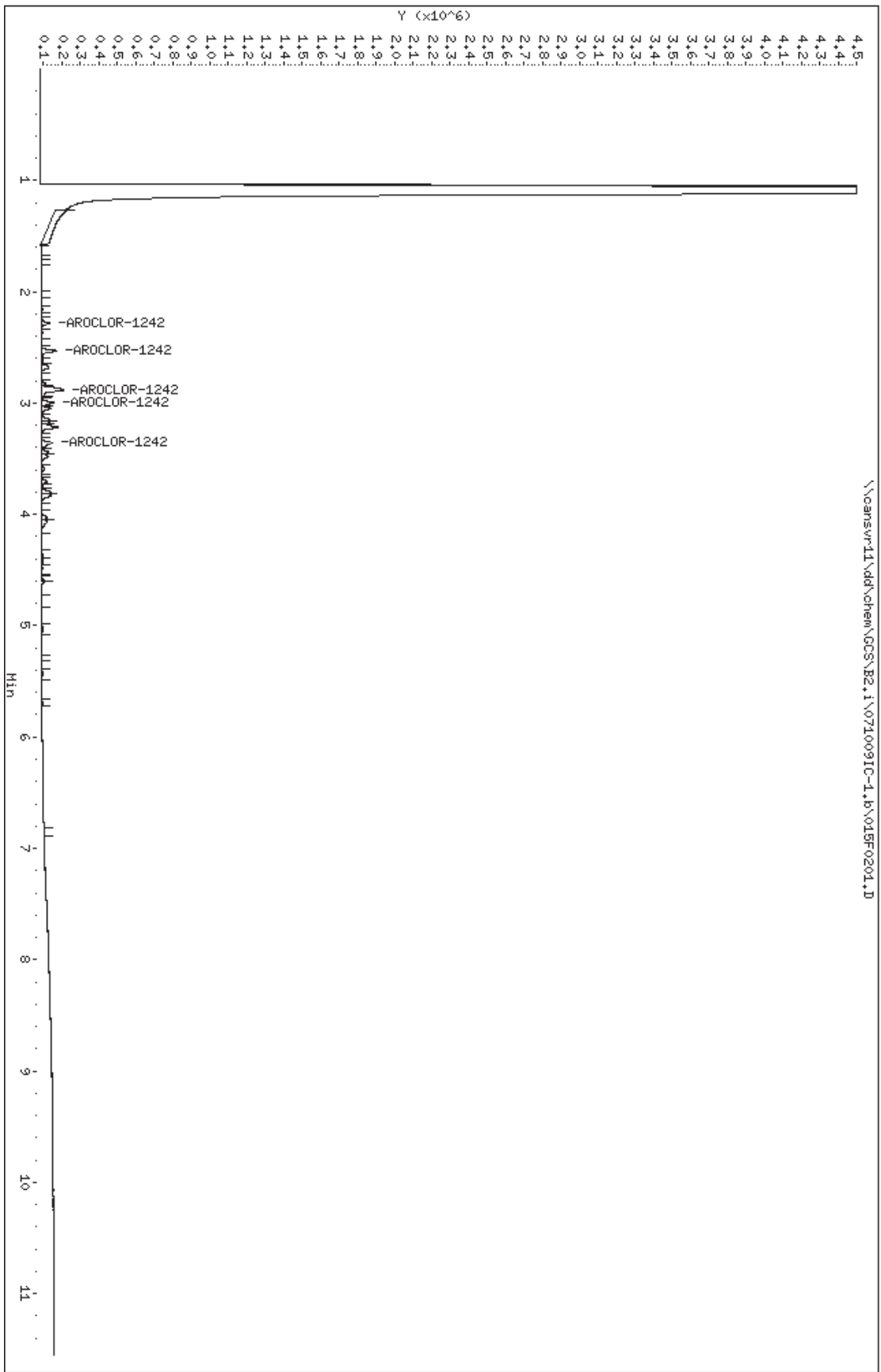
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	84512 0.10000	0.1062	75.00- 125.00	100.00 (M)	
2.531	2.531	0.000	140950 0.10000	0.09546	148.91- 248.19	166.78	
2.885	2.885	0.000	307719 0.10000	0.09444	323.40- 539.00	364.11	
2.995	2.995	0.000	131639 0.10000	0.09177	144.54- 240.90	155.76	
3.358	3.358	0.000	127635 0.10000	0.08579	174.04- 290.06	151.03	
Average of Peak Amounts =				0.09473			

QC Flag Legend

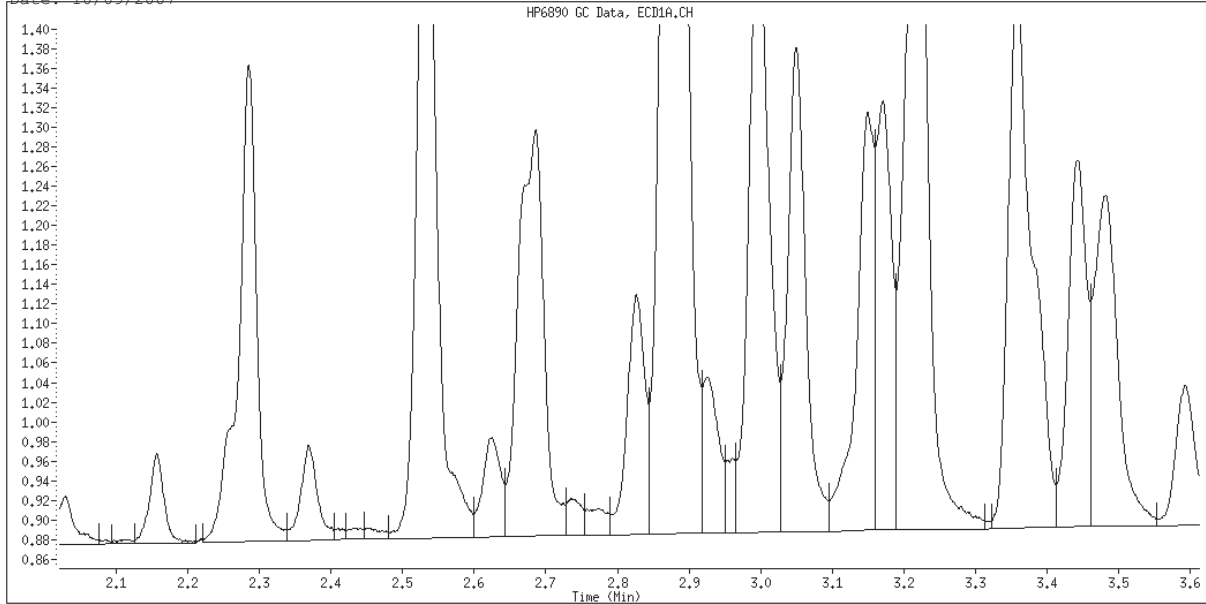
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\01SF0201.D
 Date : 09-OCT-2007 11:43
 Client ID:
 Sample Info: 1242,1,1
 Column phase: restek pest c1p1

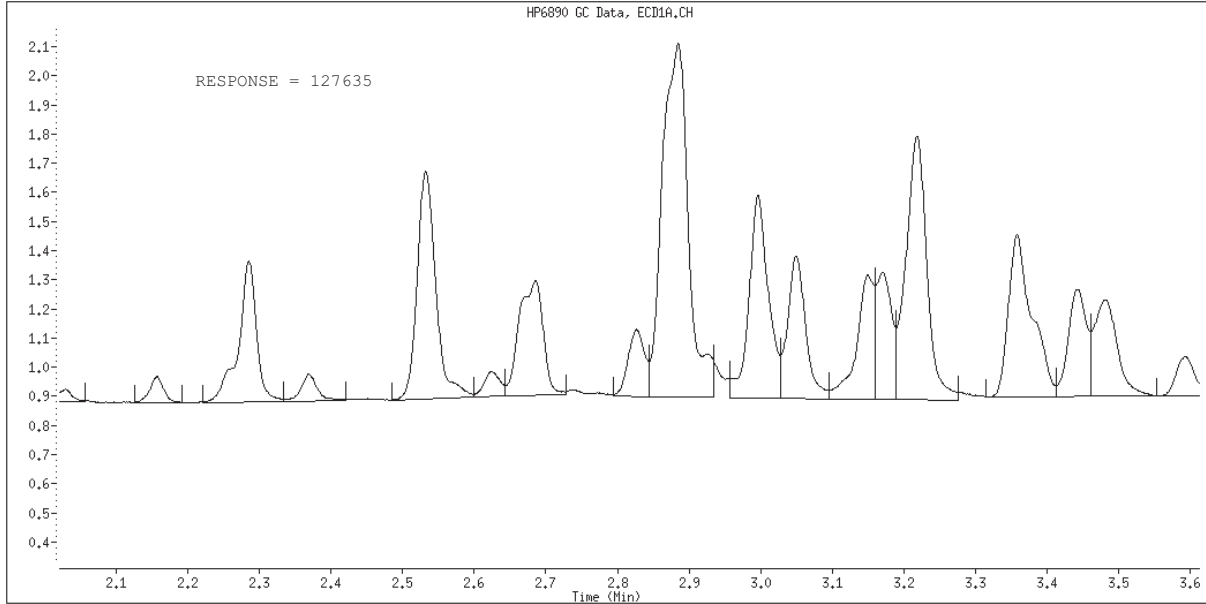
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 015F0201.D
Inj. Date and Time: 09-OCT-2007 11:43
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1242
CAS #: 53469-21-9
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Report Date: 09-Oct-2007 12:37

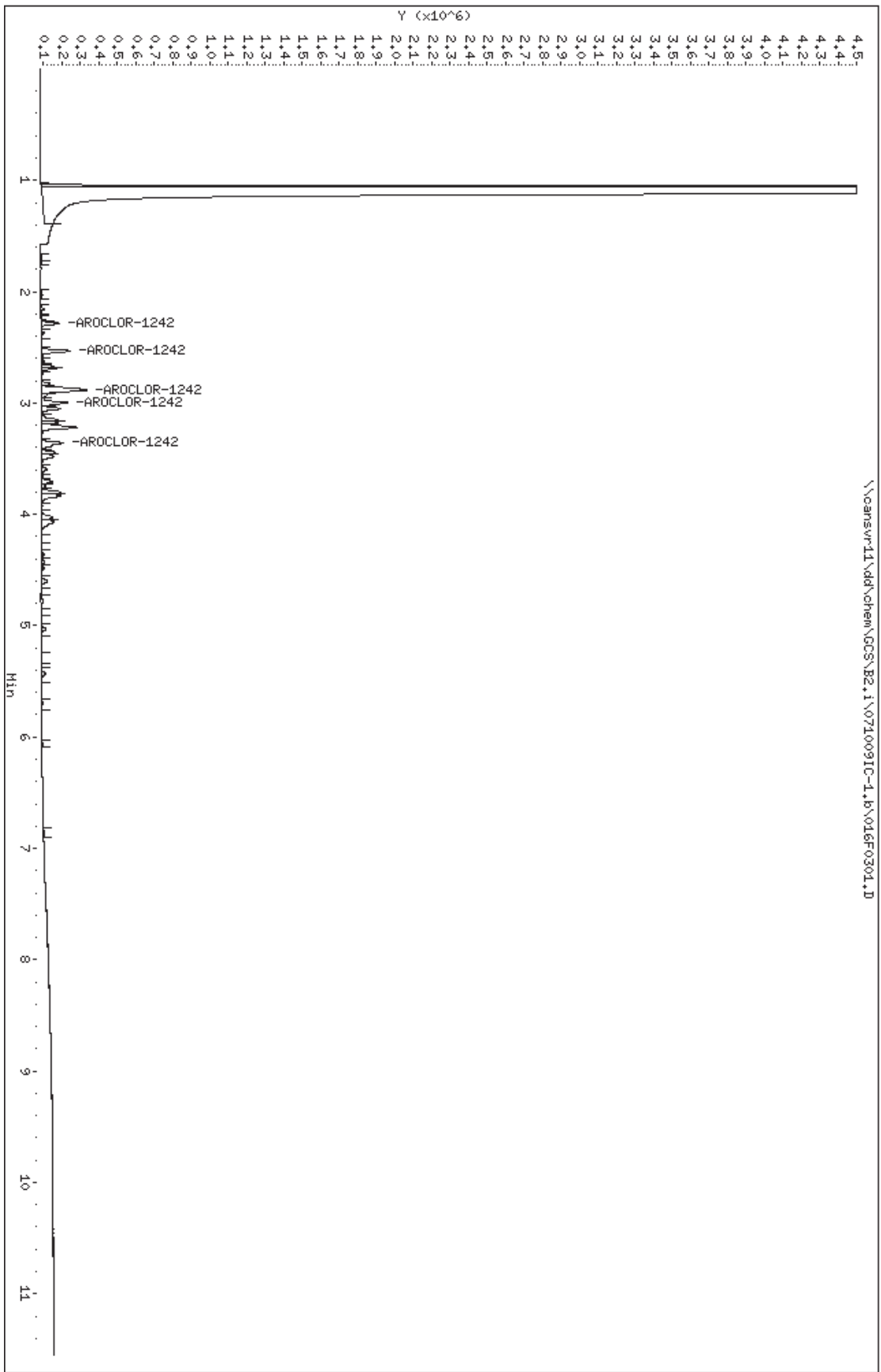
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:57
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,2
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.286	2.286	0.000	150790	0.20000	0.07807	75.00- 125.00	100.00
2.533	2.533	0.000	293903	0.20000	0.07914	148.91- 248.19	194.91
2.886	2.886	0.000	602572	0.20000	0.07043	323.40- 539.00	399.61
2.997	2.997	0.000	280427	0.20000	0.07734	144.54- 240.90	185.97
3.359	3.359	0.000	280910	0.20000	0.07340	174.04- 290.06	186.29
Average of Peak Amounts =				0.07568			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\016F0301.D
 Date : 09-OCT-2007 11:57
 Client ID:
 Sample Info: 1242,1,2
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
Report Date: 09-Oct-2007 12:37

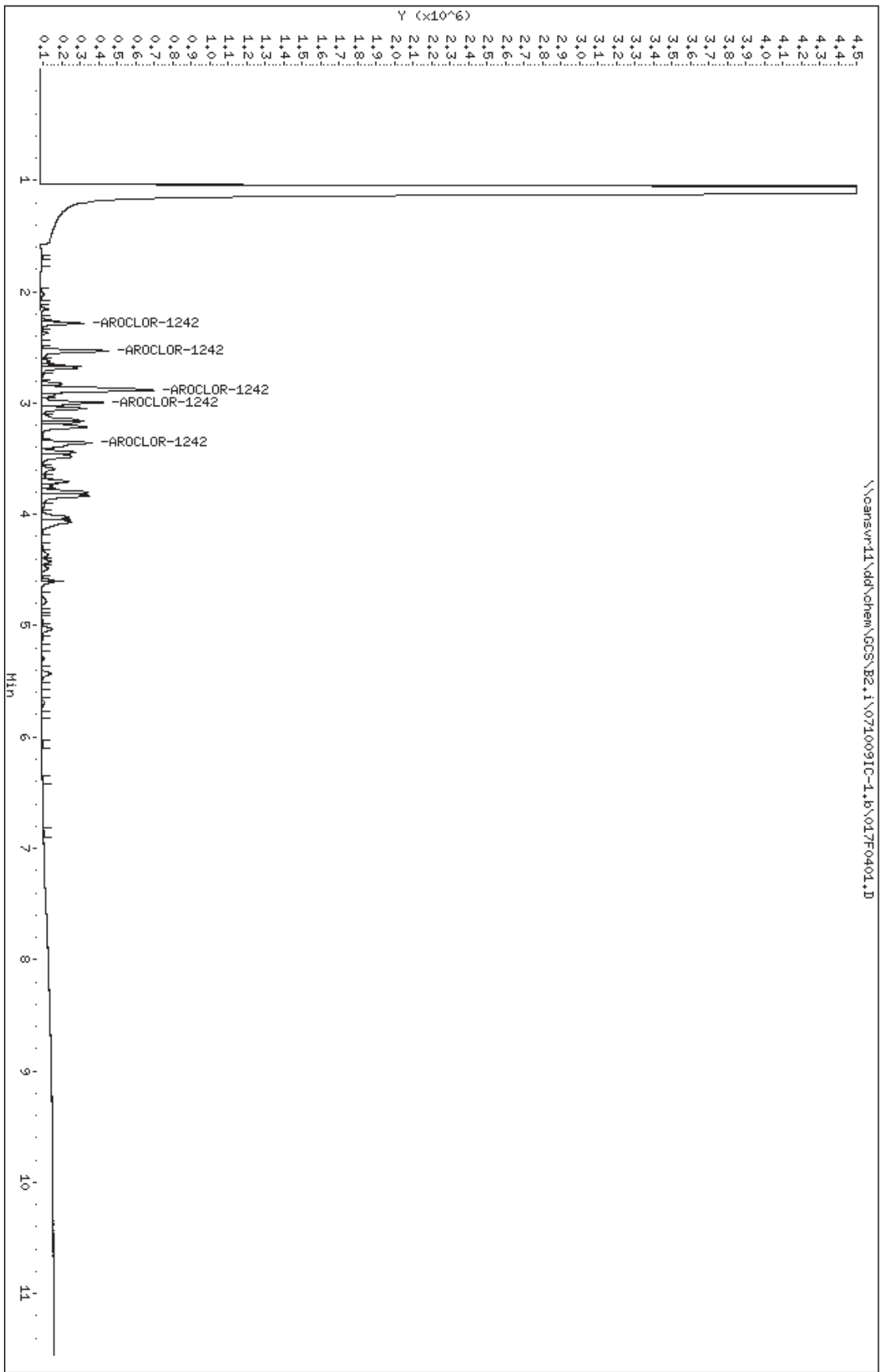
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:11
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,3
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	349197 0.50000	0.4388	75.00- 125.00	100.00	
2.532	2.532	0.000	671331 0.50000	0.4547	148.91- 248.19	192.25	
2.885	2.885	0.000	1433549 0.50000	0.4467	323.40- 539.00	410.53	
2.996	2.996	0.000	652794 0.50000	0.4671	144.54- 240.90	186.94	
3.358	3.358	0.000	645208 0.50000	0.4337	174.04- 290.06	184.77	
Average of Peak Amounts =				0.44820			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.6\017F0401.D
Date : 09-OCT-2007 12:11
Client ID:
Sample Info: 1242,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Report Date: 09-Oct-2007 12:46

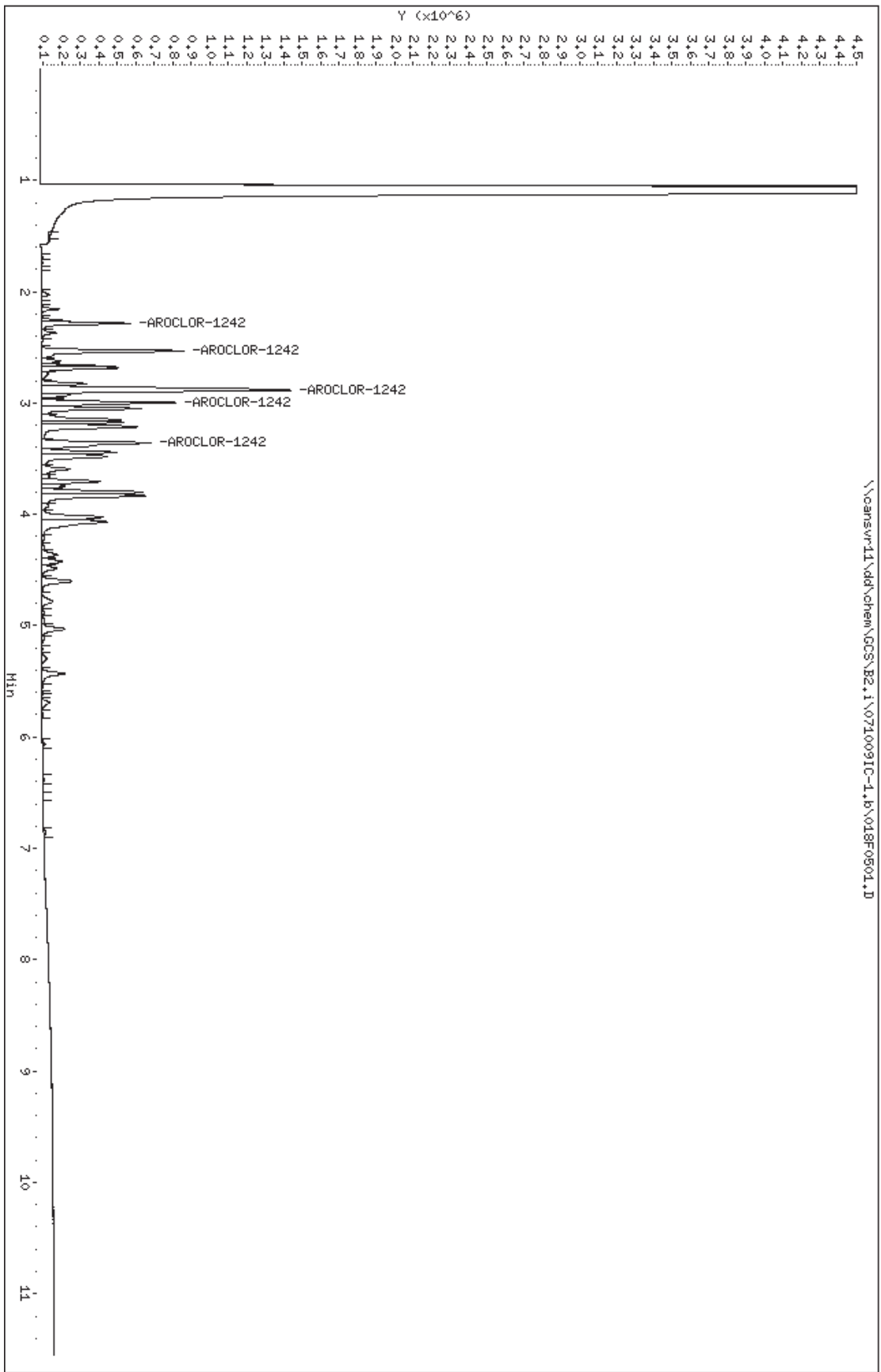
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:26
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,4
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:46 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5	AROCLOR-1242				CAS #: 53469-21-9		
2.286	2.286	0.000	722505	1.00000	0.9276 80.00- 120.00	100.00	
2.532	2.532	0.000	1406638	1.00000	0.9779 146.02- 243.36	194.69	
2.885	2.885	0.000	3146597	1.00000	0.9861 326.63- 544.39	435.51	
2.996	2.996	0.000	1345801	1.00000	0.9652 139.70- 232.84	186.27	
3.358	3.358	0.000	1380697	1.00000	0.9866 143.32- 238.87	191.10	
Average of Peak Amounts =			0.96868				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.1\018F0501.D
 Date : 09-OCT-2007 12:26
 Client ID:
 Sample Info: 1242,1,4
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
Report Date: 09-Oct-2007 12:55

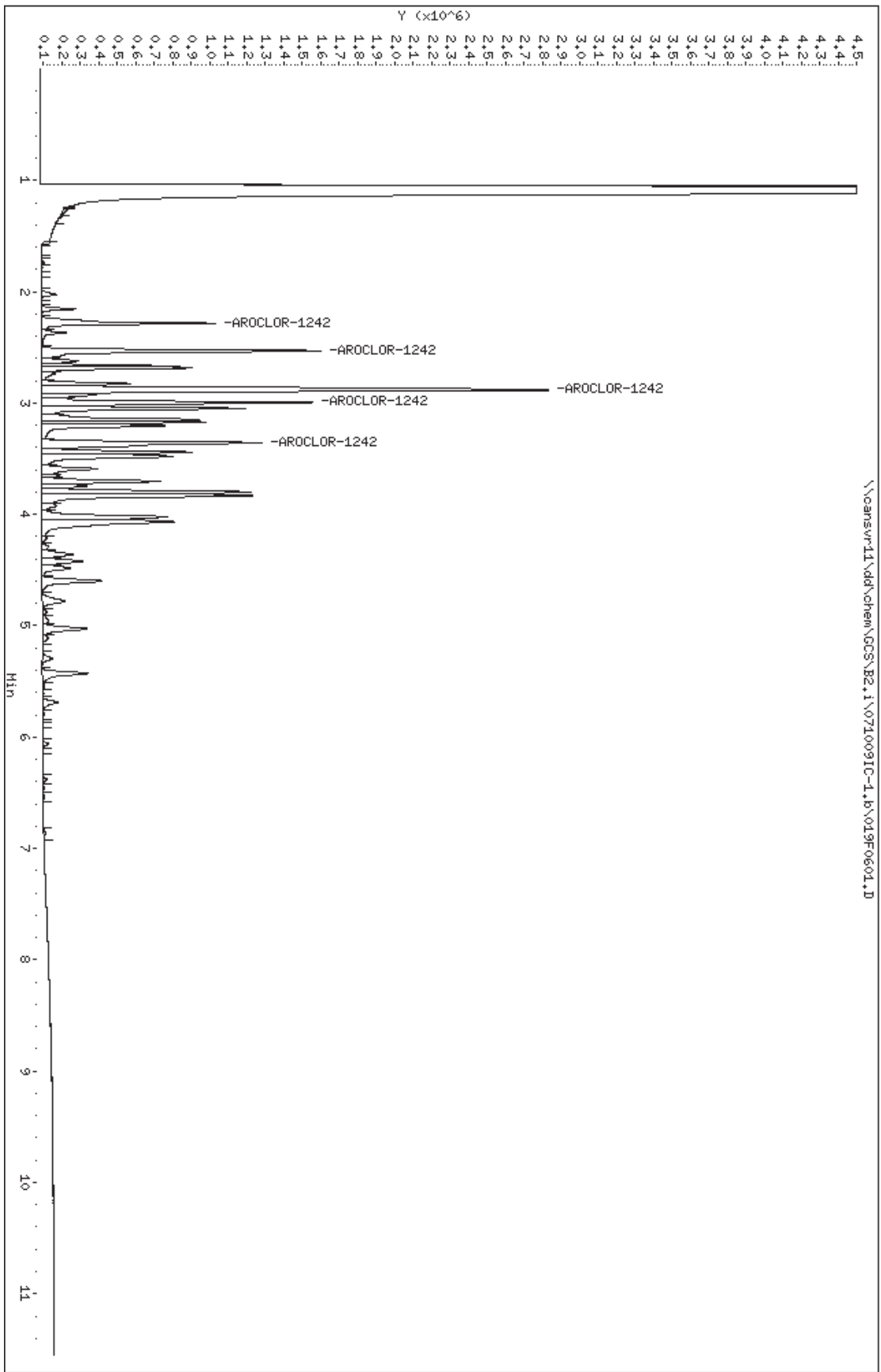
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:40
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,5
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:55 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	1638422	2.00000	2.135	75.00- 125.00	100.00
2.531	2.531	0.000	2769931	2.00000	1.949	146.02- 243.36	169.06
2.884	2.884	0.000	6349766	2.00000	2.019	326.63- 544.39	387.55
2.995	2.995	0.000	2777777	2.00000	2.019	139.70- 232.84	169.54
3.356	3.356	0.000	2750752	2.00000	1.992	143.32- 238.87	167.89
Average of Peak Amounts =				2.02280			

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710091C-1.b\019F0601.D
Date : 09-OCT-2007 12:40
Client ID:
Sample Info: 1242,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
 Report Date: 09-Oct-2007 13:10

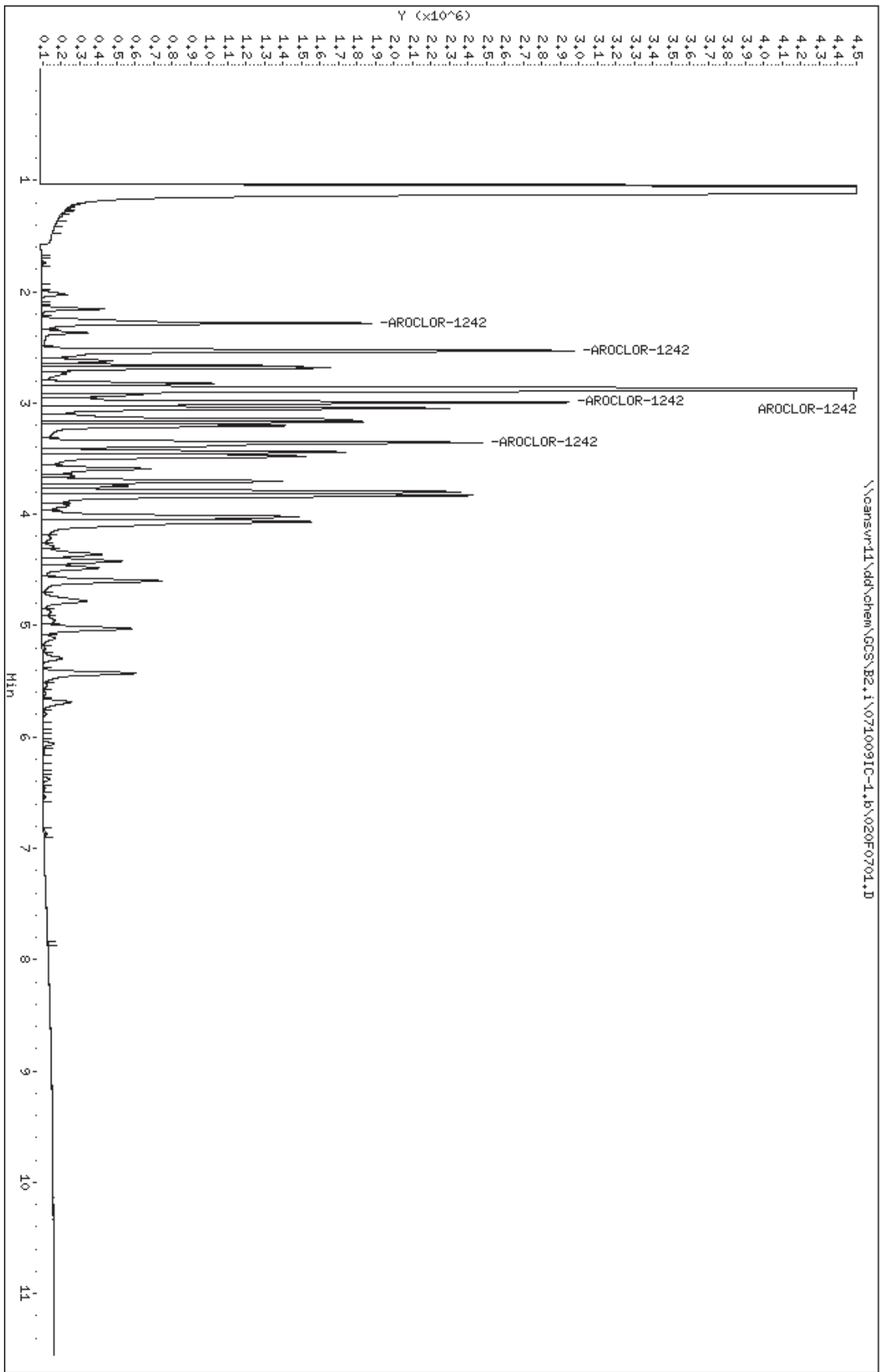
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
 Lab Smp Id: 1242
 Inj Date : 09-OCT-2007 12:54
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1242,,1,6
 Misc Info : 2-ar1242.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 13:10 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 20 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-ar1242.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.284	2.284	0.000	3108162	4.00000	4.040 75.00- 125.00	100.00	
2.531	2.531	0.000	5282303	4.00000	3.803 146.02- 243.36	169.95	
2.884	2.884	0.000	12531967	4.00000	4.084 326.63- 544.39	403.20	
2.994	2.994	0.000	5407955	4.00000	4.000 139.70- 232.84	173.99	
3.356	3.356	0.000	5431624	4.00000	4.031 143.32- 238.87	174.75	
Average of Peak Amounts =				3.99160			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\020F0701.D
Date : 09-OCT-2007 12:54
Client ID:
Sample Info: 1242,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA-NORTH CANTON Contract:

Lab Code: TALCAN Case No.: SAS No.: SDG No.: A7J290197

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 10/08/07 10/09/07

Instrument ID: B2

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
			S1 : 2.06 S2 : 8.07			
CLIENT	LAB	DATE	TIME	S1	S2	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT
#				#		#
01		1660	10/29/07	1841	2.06	8.07
02	J94EXBLK	J94EX1AA	10/29/07	1855	2.06	8.07
03	J94EXCHK	J94EX1AC	10/29/07	1909	2.06	8.07
04	J94EXCKDUP	J94EX1AD	10/29/07	1924	2.06	8.07
05	S-387-102907	J94DR1AA	10/29/07	1938	2.06	8.07
06	S-387-102907	J94DT1AA	10/29/07	1952	2.06	8.07
07	S-387-102907	J94DV1AA	10/29/07	2006	2.06	8.07
08	S-387-102907	J94DW1AA	10/29/07	2020	2.06	8.07
09		1660	10/29/07	2145	2.06	8.07
10						
11						
12						
13						
14						
15						
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31						
32						

QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

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

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		

```

08-OCT-2007 19:36 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
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-----+-----+-----+
Cal Level: 5 , Cal Amount: 2.00000
-----+-----+-----+

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08-OCT-2007 19:50 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
08-OCT-2007 18:25 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
-----+-----+-----+

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-----+-----+-----+
Cal Level: 6 , Cal Amount: 4.00000
-----+-----+-----+

```

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08-OCT-2007 20:04 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
08-OCT-2007 18:39 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
-----+-----+-----+

```

```

Continuing Calibration
Cal Level Mode: GLOBAL LEVEL 4
-----+-----+-----+

```

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29-OCT-2007 21:45 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
29-OCT-2007 18:41 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
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```

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Report Date: 30-Oct-2007 08:17

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 29-OCT-2007 18:41
 Lab File ID: 002F0201.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	42856924	42529800	0.010	0.76329	15.00000		Averaged
3 AROCLOR-1016 (1)	697142	655043	0.010	6.03880	15.00000		Averaged
(2)	1484366	1366333	0.010	7.95176	15.00000		Averaged
(3)	3293976	3094657	0.010	6.05102	15.00000		Averaged
(4)	1409531	1308817	0.010	7.14523	15.00000		Averaged
(5)	1399558	1294708	0.010	7.49163	15.00000		Averaged
8 AROCLOR-1260 (1)	2131421	1965564	0.010	7.78154	15.00000		Averaged
(2)	3330972	3097962	0.010	6.99526	15.00000		Averaged
(3)	3803154	3670085	0.010	3.49891	15.00000		Averaged
(4)	4181121	3993802	0.010	4.48011	15.00000		Averaged
(5)	2389695	2216972	0.010	7.22783	15.00000		Averaged
9 DCB	41849260	39987470	0.010	4.44880	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Report Date: 30-Oct-2007 08:17

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 29-OCT-2007 18:41
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8		
2.058	2.058	0.000	4252980	0.10000	0.09924		

3	AROCLOR-1016				CAS #: 12674-11-2		
2.283	2.283	0.000	655043	1.00000	0.9396	80.00- 120.00	100.00 (M)
2.529	2.529	0.000	1366333	1.00000	0.9205	156.44- 260.73	208.59
2.881	2.881	0.000	3094657	1.00000	0.9395	354.33- 590.54	472.44
2.993	2.993	0.000	1308817	1.00000	0.9285	149.85- 249.76	199.81
3.354	3.354	0.000	1294708	1.00000	0.9251	148.24- 247.07	197.65
Average of Peak Amounts =			0.93064				

8	AROCLOR-1260				CAS #: 11096-82-5		
4.873	4.873	0.000	1965564	1.00000	0.9222	80.00- 120.00	100.00
5.288	5.288	0.000	3097962	1.00000	0.9300	118.21- 197.01	157.61
5.682	5.682	0.000	3670085	1.00000	0.9650	140.04- 233.40	186.72
6.533	6.533	0.000	3993802	1.00000	0.9552	152.39- 253.99	203.19
6.863	6.863	0.000	2216972	1.00000	0.9277	84.59- 140.99	112.79
Average of Peak Amounts =			0.94002				

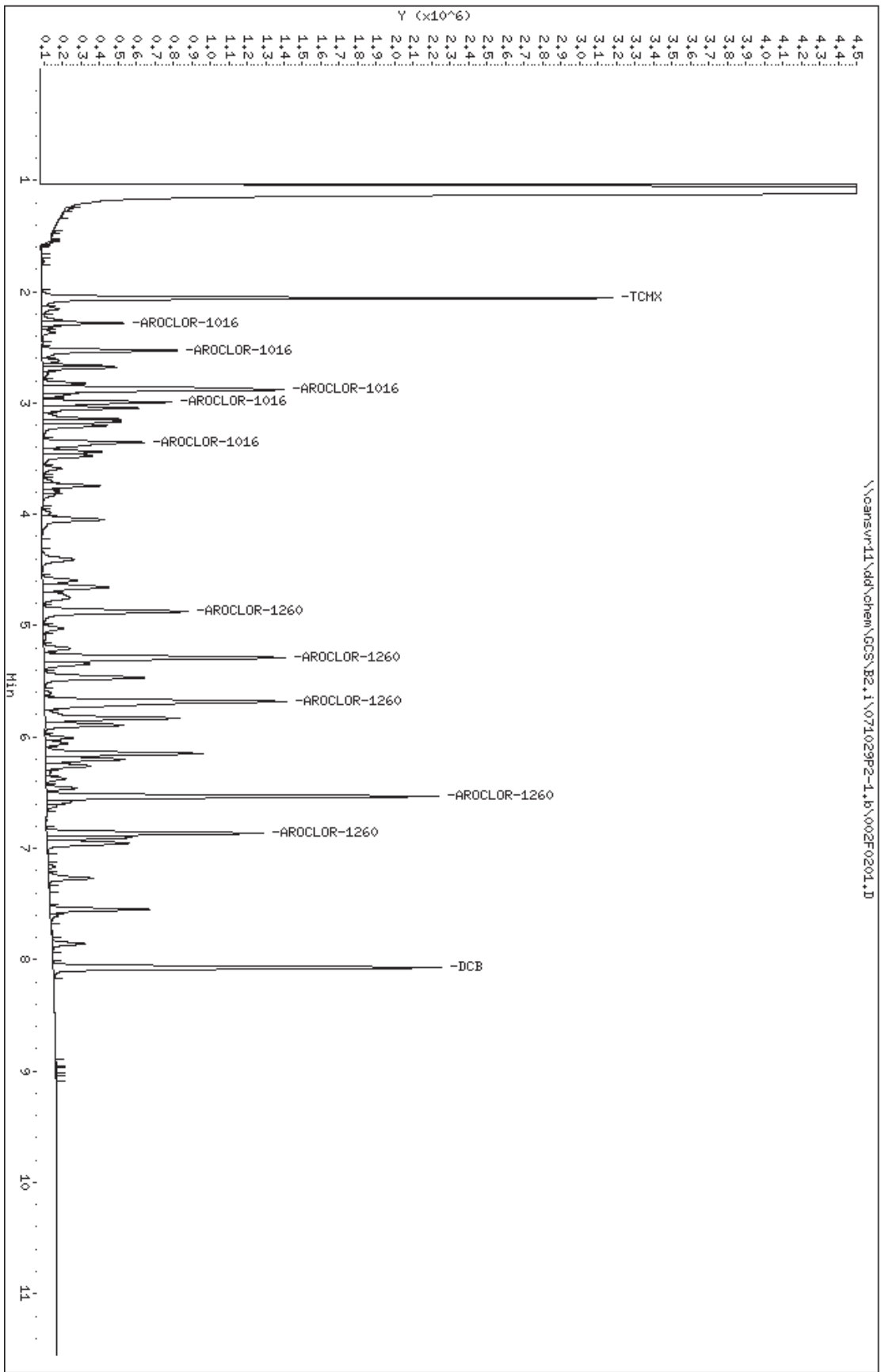
\$ 9	DCB				CAS #: 2051-24-3		
8.071	8.071	0.000	3998747	0.10000	0.09555		

QC Flag Legend

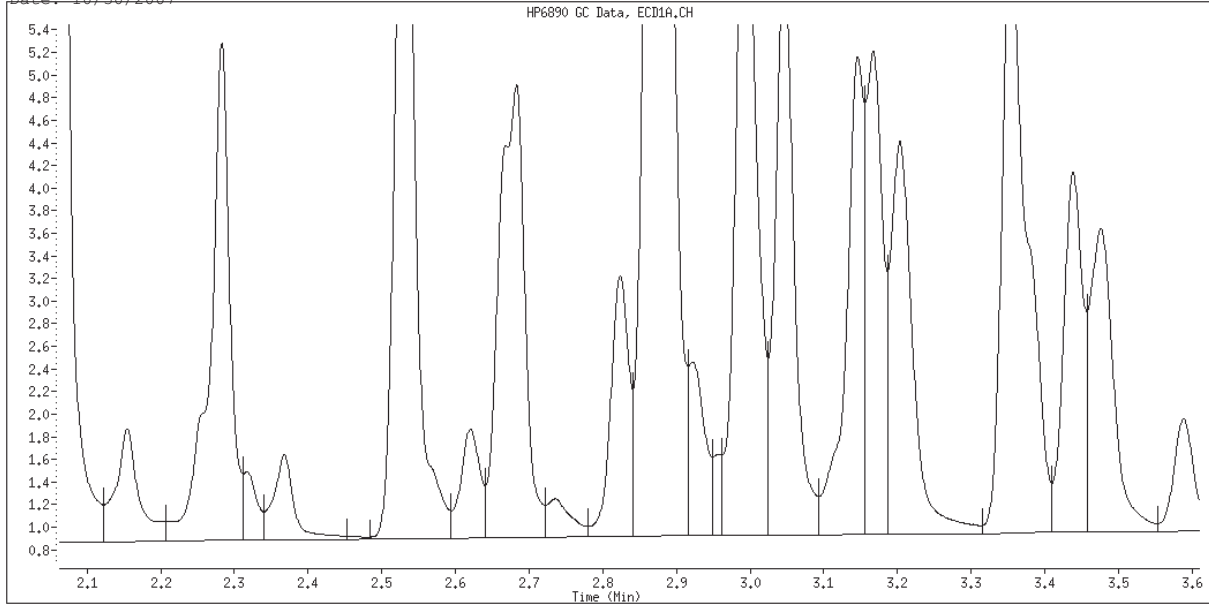
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\071029P2-1.b\002F0201.D
 Date: 29-OCT-2007 18:44
 Client ID:
 Sample Info: 1660,2
 Column phase: restek pest c1p1

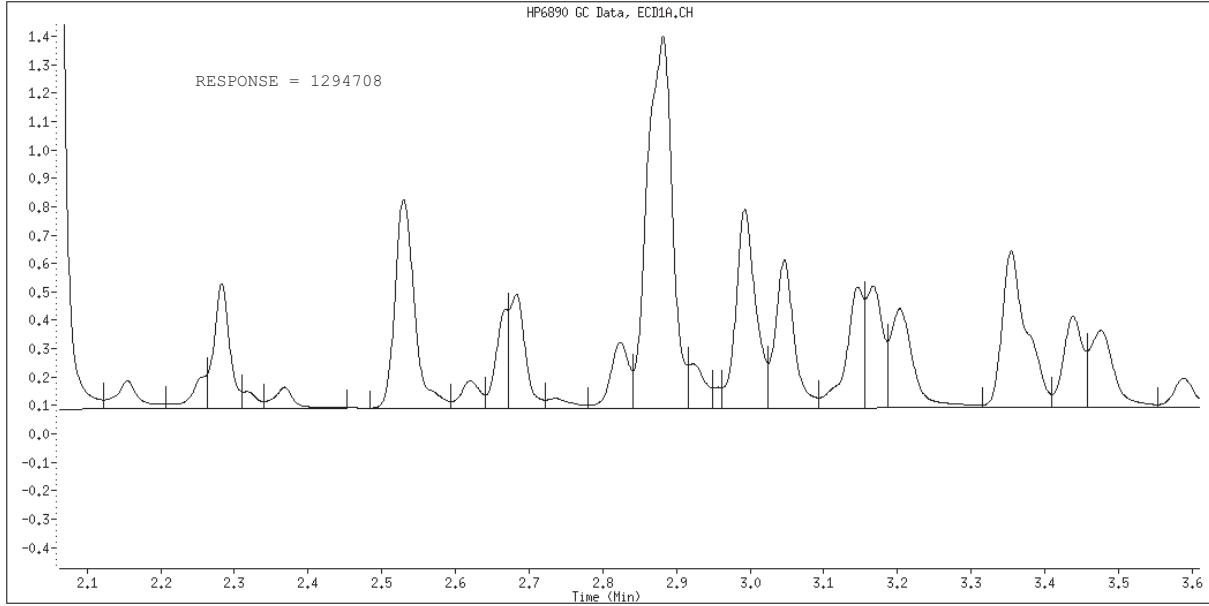
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 002F0201.D
Inj. Date and Time: 29-OCT-2007 18:41
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Report Date: 30-Oct-2007 08:22

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 29-OCT-2007 21:45
 Lab File ID: 015F1501.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN	MAX	CURVE TYPE	
1 TCMX	42856924	46547740	0.010	-8.61195	15.00000	Averaged
3 AROCLOR-1016 (1)	697142	714493	0.010	-2.48888	15.00000	Averaged
(2)	1484366	1486905	0.010	-0.17104	15.00000	Averaged
(3)	3293976	3387138	0.010	-2.82825	15.00000	Averaged
(4)	1409531	1440024	0.010	-2.16333	15.00000	Averaged
(5)	1399558	1408270	0.010	-0.62251	15.00000	Averaged
8 AROCLOR-1260 (1)	2131421	2135926	0.010	-0.21134	15.00000	Averaged
(2)	3330972	3382786	0.010	-1.55552	15.00000	Averaged
(3)	3803154	4008320	0.010	-5.39463	15.00000	Averaged
(4)	4181121	4339328	0.010	-3.78384	15.00000	Averaged
(5)	2389695	2425887	0.010	-1.51450	15.00000	Averaged
9 DCB	41849260	43562270	0.010	-4.09329	15.00000	Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Report Date: 30-Oct-2007 08:22

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Lab Smp Id: 1660
 Inj Date : 29-OCT-2007 21:45
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 15 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.057	2.057	0.000	4654774	0.10000	0.1086		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.280	2.280	0.000	714493	1.00000	1.025	80.00-	120.00
2.527	2.527	0.000	1486905	1.00000	1.002	156.08-	260.13
2.878	2.878	0.000	3387138	1.00000	1.028	355.55-	592.58
2.989	2.989	0.000	1440024	1.00000	1.022	151.16-	251.93
3.350	3.350	0.000	1408270	1.00000	1.006	147.83-	246.38
Average of Peak Amounts =			1.01660				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.867	4.867	0.000	2135926	1.00000	1.002	80.00-	120.00
5.282	5.282	0.000	3382786	1.00000	1.016	118.78-	197.97
5.677	5.677	0.000	4008320	1.00000	1.054	140.75-	234.58
6.528	6.528	0.000	4339328	1.00000	1.038	152.37-	253.95
6.860	6.860	0.000	2425887	1.00000	1.015	85.18-	141.97
Average of Peak Amounts =			1.02500				

\$ 9	DCB				CAS #: 2051-24-3		
8.066	8.066	0.000	4356227	0.10000	0.1041		

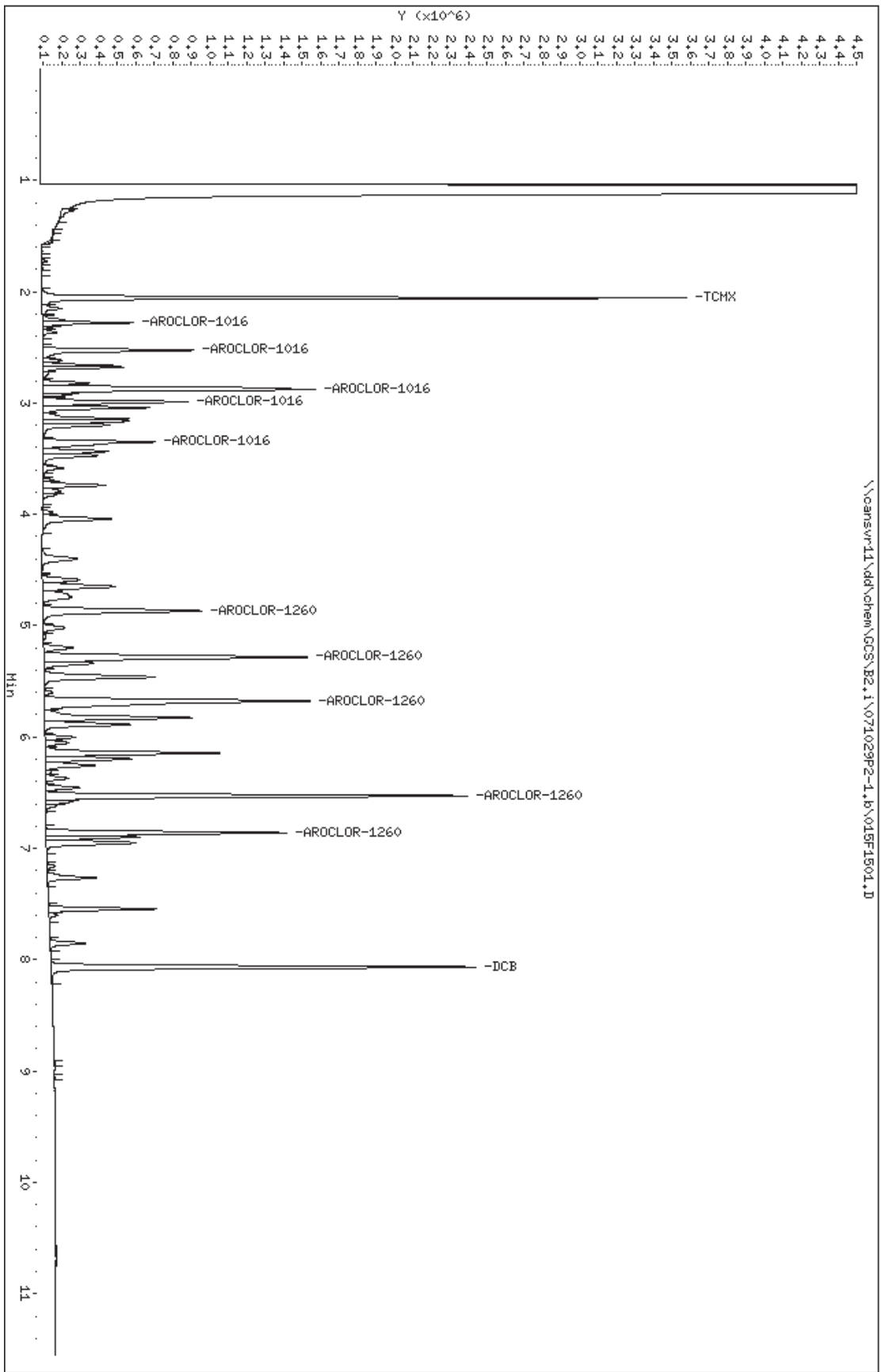
QC Flag Legend

M - Compound response manually integrated.

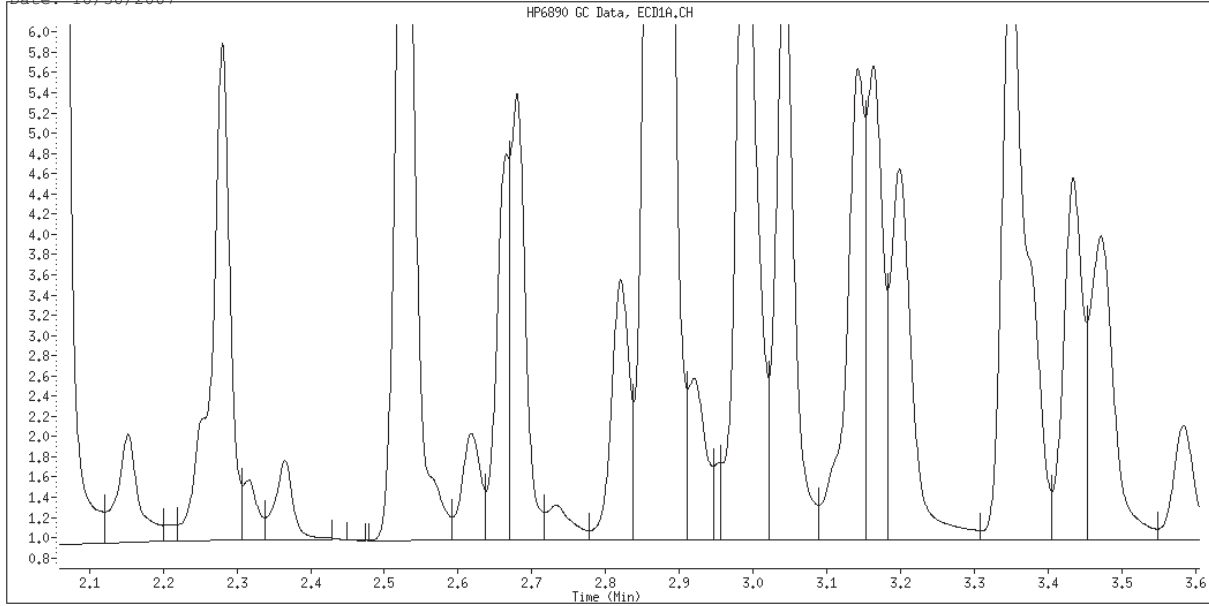
Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\01SF1501.D
Date: 29-OCT-2007 21:45
Client ID:
Sample Info: 1660,2

Column phase: restek pest c1p1

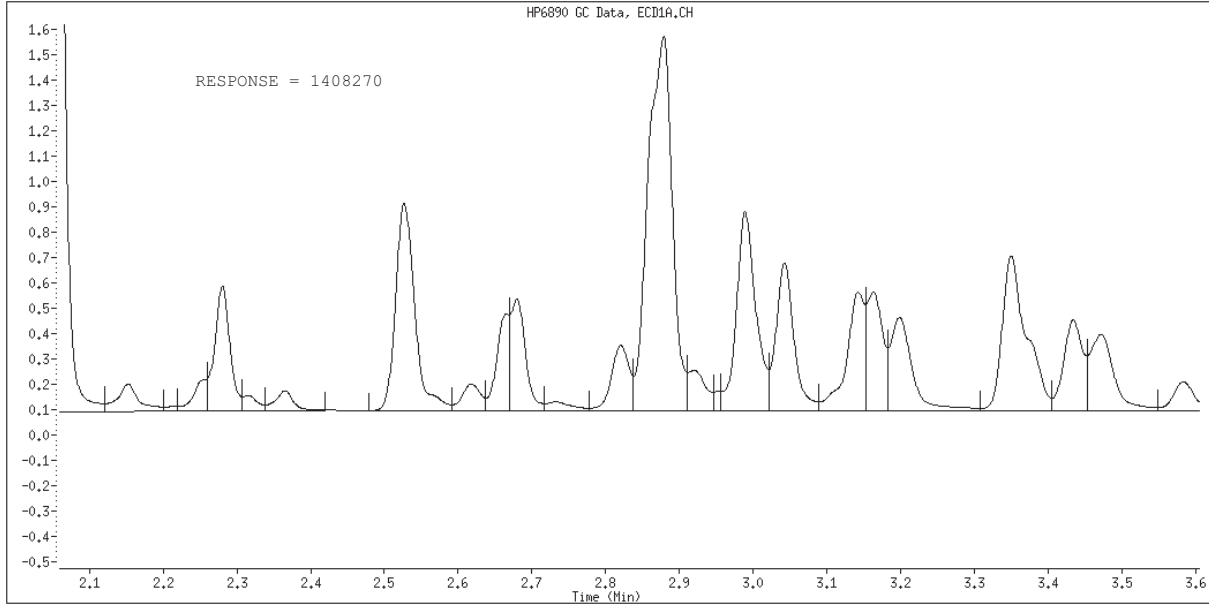
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 015F1501.D
Inj. Date and Time: 29-OCT-2007 21:45
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

RAW QC DATA

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: A7J290197 Work Order #....: J94EX1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7J290000-599 J94EX1AD-LCSD
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	330	310	ug/kg	93		SW846 PCBs (8082)
	330	300	ug/kg	90	3.1	SW846 PCBs (8082)
Aroclor 1260	330	350	ug/kg	105		SW846 PCBs (8082)
	330	340	ug/kg	102	2.0	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	83	(10 - 196)
	82	(10 - 196)
Decachlorobiphenyl	112	(10 - 199)
	115	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: A7J290197 Work Order #....: J94EX1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7J290000-599 J94EX1AD-LCSD
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	93	(34 - 127)			SW846 PCBs (8082)
	90	(34 - 127)	3.1	(0-30)	SW846 PCBs (8082)
Aroclor 1260	105	(32 - 141)			SW846 PCBs (8082)
	102	(32 - 141)	2.0	(0-30)	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	83	(10 - 196)
	82	(10 - 196)
Decachlorobiphenyl	112	(10 - 199)
	115	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Lab Smp Id: J94EX1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:09
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1 TCMX				CAS #: 877-09-8			
2.058	2.058	0.000		1780300 0.04154	13.85		(M)
3 AROCLOR-1016				CAS #: 12674-11-2			
2.282	2.283	-0.001		724516 1.03927	346.4	80.00- 120.00	100.00 (M)
2.528	2.529	-0.001		1246945 0.84005	280.0	156.44- 260.73	172.11
2.881	2.881	0.000		2942139 0.89319	297.7	354.33- 590.54	406.08
2.992	2.993	-0.001		1321687 0.93768	312.6	149.85- 249.76	182.42
3.353	3.354	-0.001		1295317 0.92552	308.5	148.24- 247.07	178.78
Average of Peak Concentrations =					309.0		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.871	4.873	-0.002		2138937 1.00353	334.5	80.00- 120.00	100.00 (M)
5.286	5.288	-0.002		3416831 1.02578	341.9	118.21- 197.01	159.74
5.679	5.682	-0.003		4086148 1.07441	358.1	140.04- 233.40	191.04
6.532	6.533	-0.001		4513462 1.07949	359.8	152.39- 253.99	211.01
6.863	6.863	0.000		2500080 1.04619	348.7	84.59- 140.99	116.88
Average of Peak Concentrations =					348.6		

\$ 9 DCB

CAS #: 2051-24-3

8.068 8.071 -0.003 2354578 0.05626 18.75

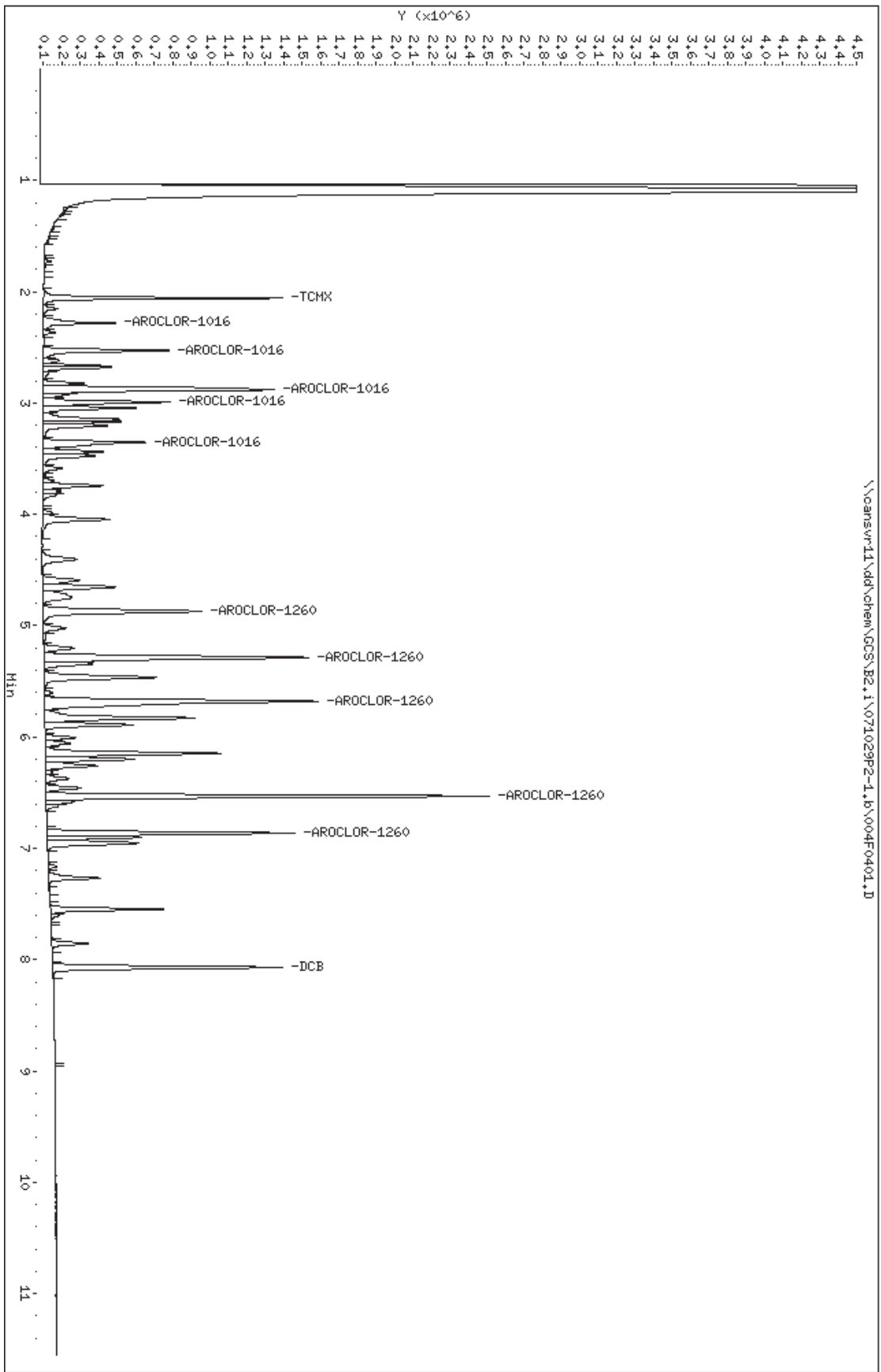
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Report Date: 30-Oct-2007 08:18

QC Flag Legend

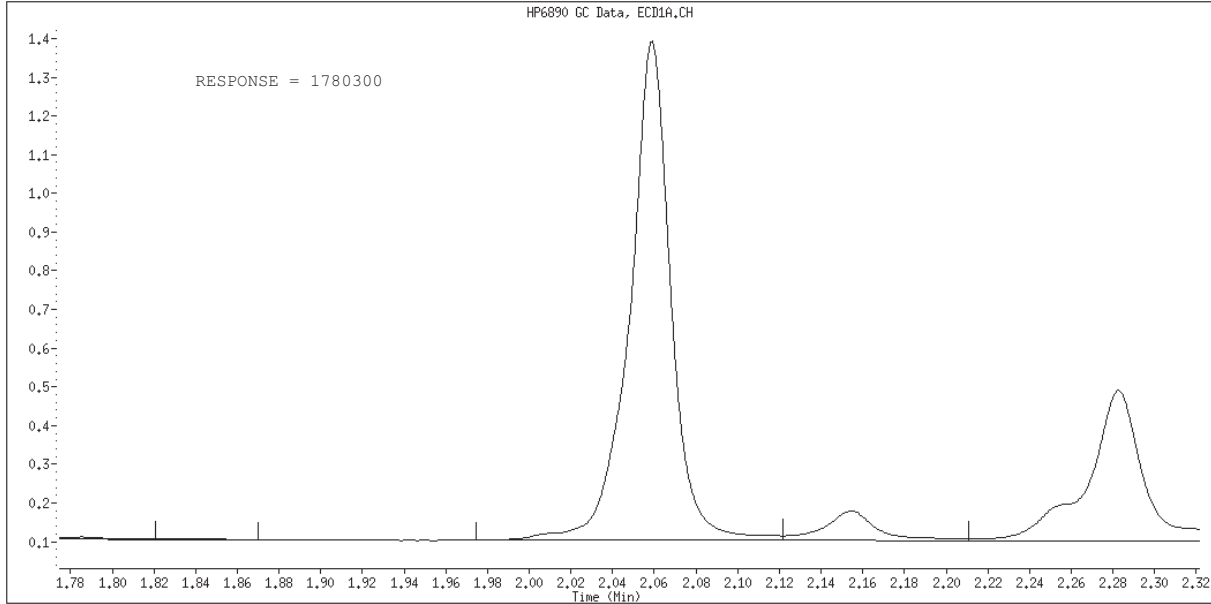
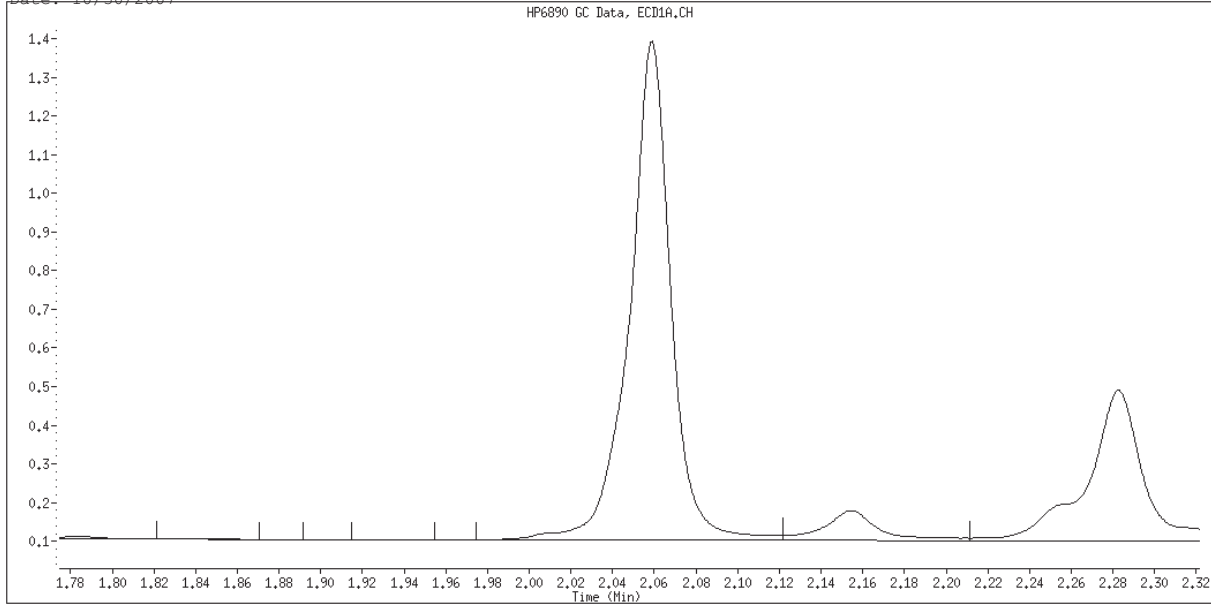
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\004F0401.D
 Date: 29-OCT-2007 19:09
 Client ID: INTRA-LAB CHECK
 Sample Info: J94EX1AC.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

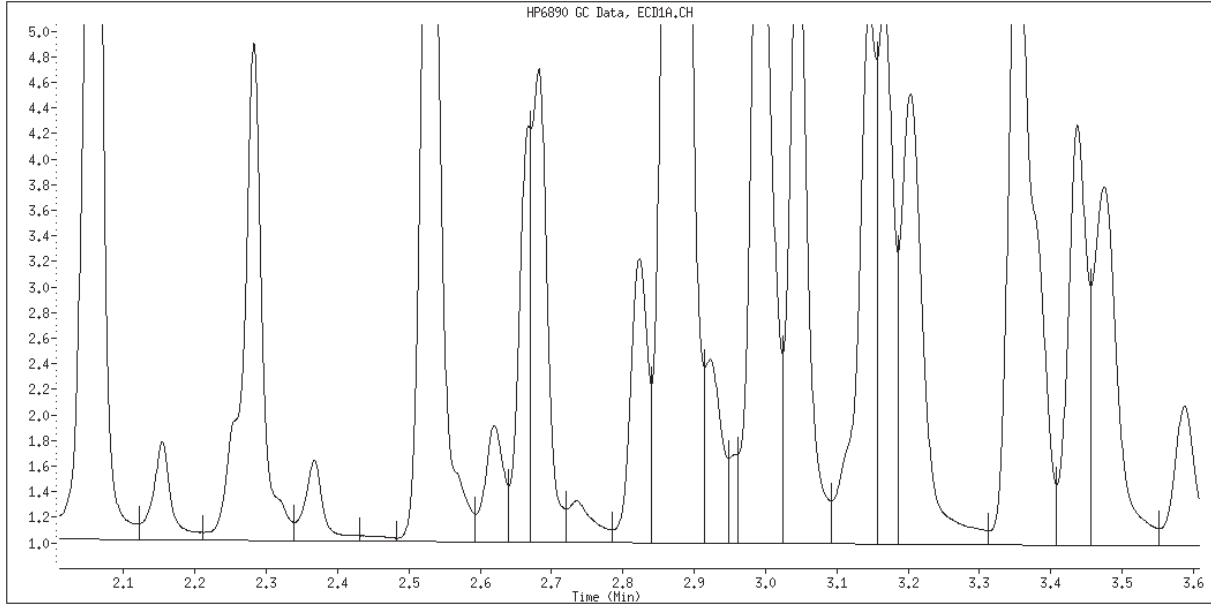
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



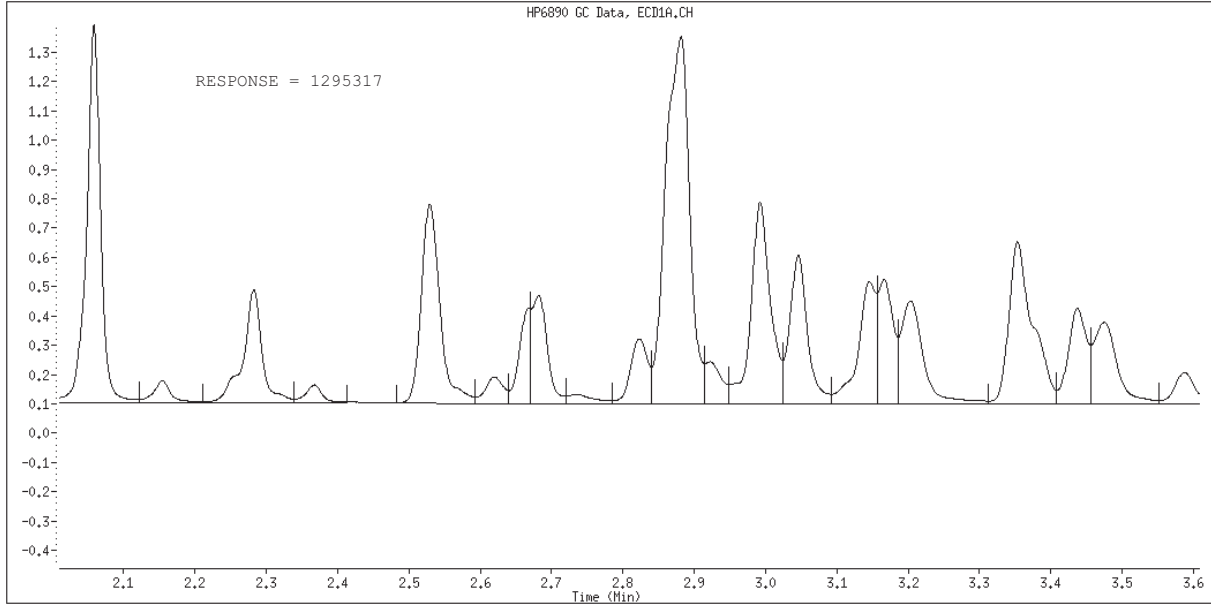
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Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: TCMX
CAS #: 877-09-8
Report Date: 10/30/2007



Data File Name: 004F0401.D
Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



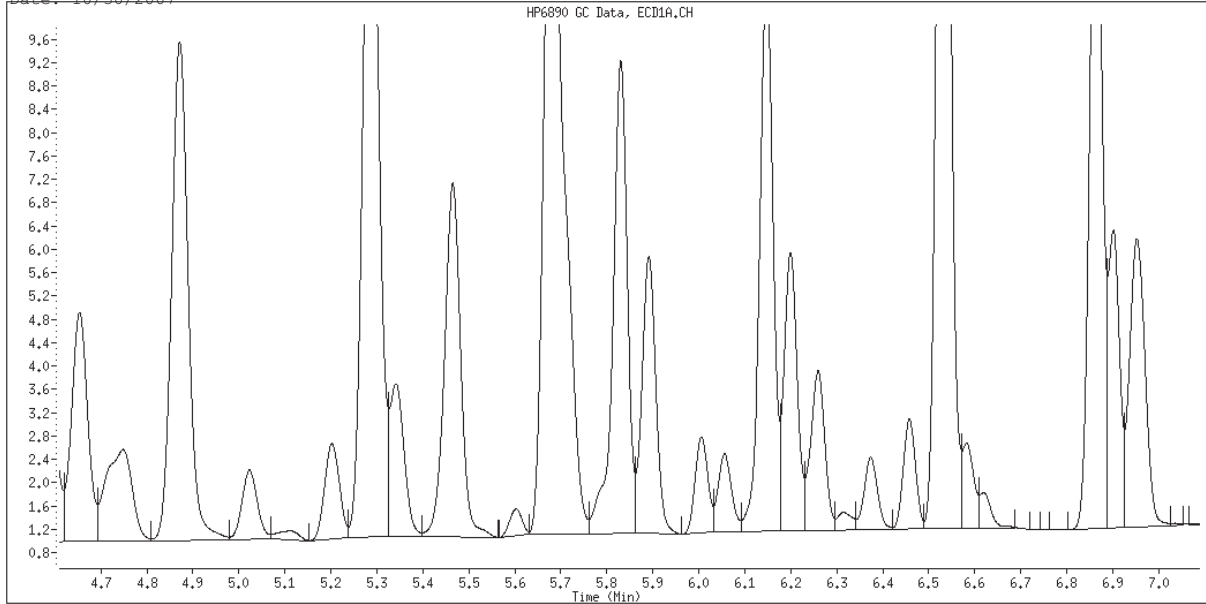
Original Integration



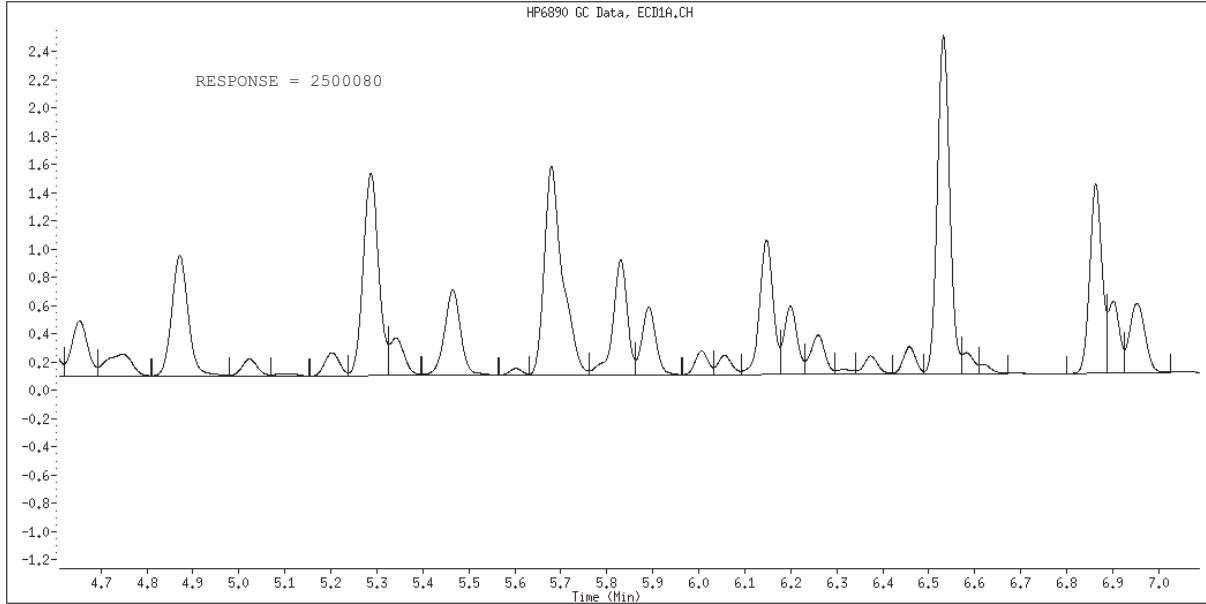
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File Name: 004F0401.D
Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Lab Smp Id: J94EX1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:09
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	20686900	16676158	0.806	38.488	
1.245	41330	29101	0.704	0.067	
1.287	7813	10151	1.299	0.023	
1.312	20076	16858	0.840	0.038	
1.434	17951	12245	0.682	0.028	
1.508	14853	11312	0.762	0.026	
1.546	29197	11948	0.409	0.027	
1.687	4325	4592	1.062	0.010	
1.728	49268	36470	0.740	0.084	
1.786	8499	5352	0.630	0.012	
1.835	3063	2017	0.658	0.004	
2.059	1780300	1290258	0.725	2.975	\$ 1 TCMX
2.154	134745	75875	0.563	0.174	
2.282	724517	387430	0.535	0.893	3 AROCLOR-1016
2.367	106001	62276	0.588	0.143	
2.529	1246946	678077	0.544	1.563	3 AROCLOR-1016
2.619	162309	90167	0.556	0.207	
2.667	350955	324103	0.923	0.747	
2.683	560544	368981	0.658	0.850	
2.736	79489	31665	0.398	0.073	
2.823	374818	221061	0.590	0.509	
2.881	2942140	1252421	0.426	2.887	3 AROCLOR-1016
2.923	226759	143083	0.631	0.329	
2.992	1321687	688462	0.521	1.587	3 AROCLOR-1016
3.046	893585	506871	0.567	1.168	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.146	730839	418070	0.572	0.964	
3.166	630370	423904	0.672	0.977	
3.203	777300	351262	0.452	0.809	
3.353	1295317	554243	0.428	1.278	3 AROCLOR-1016
3.437	602134	327592	0.544	0.755	
3.475	646960	279257	0.432	0.643	
3.587	235143	108613	0.462	0.250	
3.650	25707	14174	0.551	0.032	
3.699	98378	59614	0.606	0.137	
3.743	643379	327795	0.509	0.755	
3.795	200575	99353	0.495	0.229	
3.826	158119	75138	0.475	0.173	
3.986	101259	52484	0.518	0.121	
4.046	912066	365530	0.401	0.842	
4.403	555211	188783	0.340	0.435	
4.592	474416	202111	0.426	0.466	
4.654	969417	393411	0.406	0.907	
4.748	634823	157893	0.249	0.364	
4.871	2138938	855575	0.400	1.972	8 AROCLOR-1260
5.022	283813	119998	0.423	0.276	
5.112	44423	14361	0.323	0.033	
5.201	362908	162961	0.449	0.375	
5.286	3416832	1433263	0.419	3.304	8 AROCLOR-1260
5.341	566891	263987	0.466	0.608	
5.465	1479903	607338	0.410	1.400	
5.602	89251	46966	0.526	0.108	
5.680	4086149	1478269	0.362	3.408	8 AROCLOR-1260
5.830	1806367	813708	0.450	1.876	
5.891	1002178	477728	0.477	1.101	
6.006	324049	166819	0.515	0.384	
6.056	288919	137271	0.475	0.316	
6.147	1971511	950646	0.482	2.192	
6.200	963079	480577	0.499	1.108	
6.260	605229	278633	0.460	0.642	
6.314	77460	34710	0.448	0.080	
6.373	273352	128438	0.470	0.296	
6.458	366628	193963	0.529	0.447	
6.532	4513462	2396754	0.531	5.526	8 AROCLOR-1260
6.581	261516	150883	0.577	0.347	
6.620	116826	64814	0.555	0.149	
6.863	2500080	1338026	0.535	3.085	8 AROCLOR-1260
6.901	855296	508821	0.595	1.173	
6.953	1180566	493202	0.418	1.137	
7.163	78981	46031	0.583	0.106	
7.268	582428	279116	0.479	0.643	
7.372	12096	3956	0.327	0.009	
7.547	1068740	610980	0.572	1.408	
7.602	98181	46683	0.475	0.107	
7.681	3456	2499	0.723	0.005	
7.855	378339	195539	0.517	0.450	
8.069	2354579	1246394	0.529	2.874	\$ 9 DCB
8.941	4449	2749	0.618	0.006	
	=====	=====	=====	=====	
	75636358	43367819		100.000	

Total unknown % height = 68.65

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Lab Smp Id: J94EX1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 5 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
S 1 TCMX				CAS #: 877-09-8			
2.058	2.058	0.000		1762345	0.04112	13.71	
3 AROCLOR-1016				CAS #: 12674-11-2			
2.282	2.283	-0.001		695406	0.99751	332.5 80.00- 120.00	100.00 (M)
2.528	2.529	-0.001		1201979	0.80976	269.9 156.44- 260.73	172.85
2.882	2.881	0.001		2865860	0.87003	290.0 354.33- 590.54	412.11
2.992	2.993	-0.001		1291083	0.91597	305.3 149.85- 249.76	185.66
3.352	3.354	-0.002		1258940	0.89953	299.8 148.24- 247.07	181.04
Average of Peak Concentrations =					299.5		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.872	4.873	-0.001		2097877	0.98426	328.1 80.00- 120.00	100.00
5.287	5.288	-0.001		3326338	0.99861	332.9 118.21- 197.01	158.56
5.679	5.682	-0.003		3984097	1.04758	349.2 140.04- 233.40	189.91
6.531	6.533	-0.002		4399288	1.05218	350.7 152.39- 253.99	209.70
6.862	6.863	-0.001		2486360	1.04045	346.8 84.59- 140.99	118.52
Average of Peak Concentrations =					341.5		

\$ 9 DCB

CAS #: 2051-24-3

8.069 8.071 -0.002 2405127 0.05747 19.16

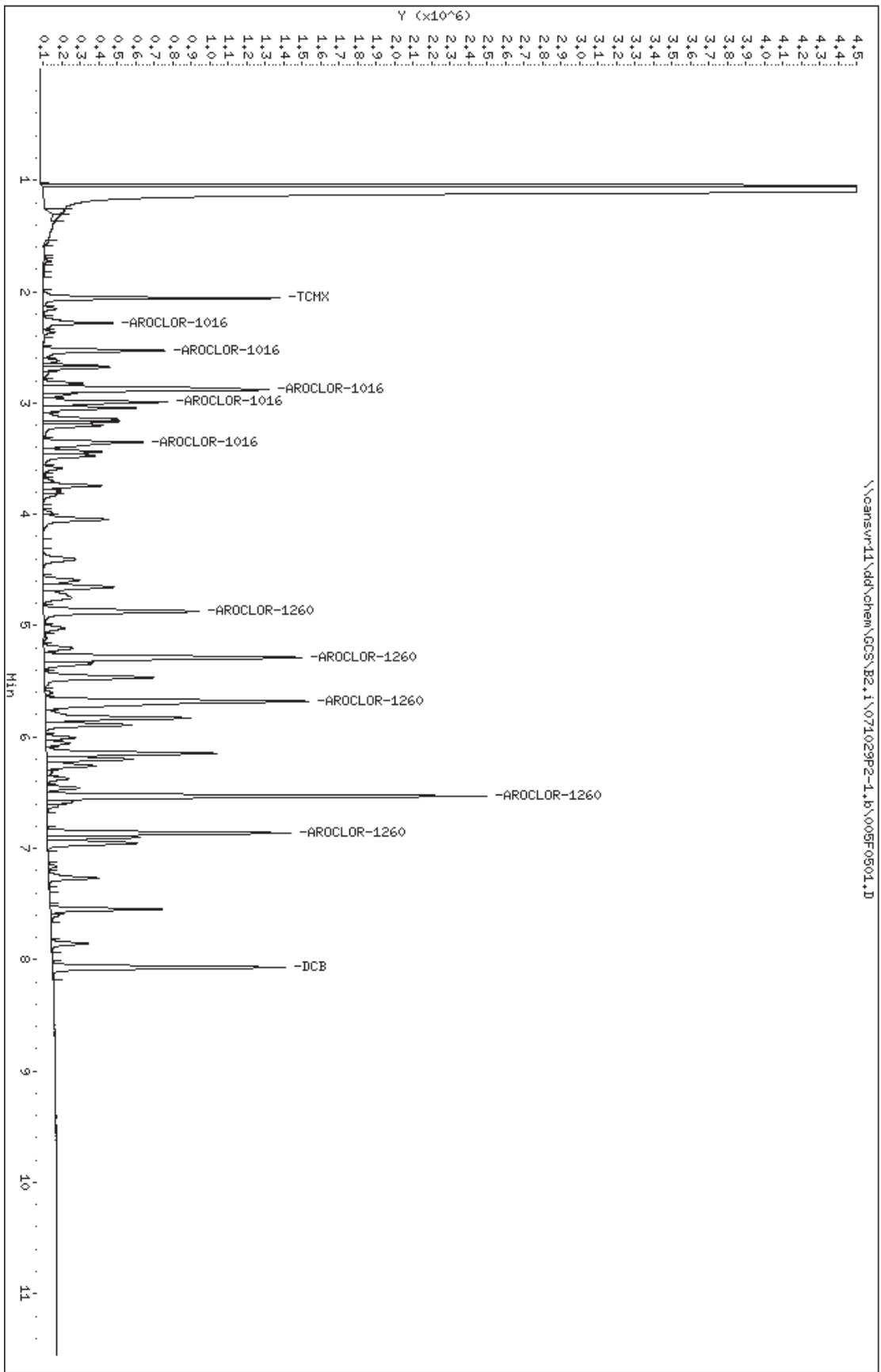
Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
Report Date: 30-Oct-2007 08:18

QC Flag Legend

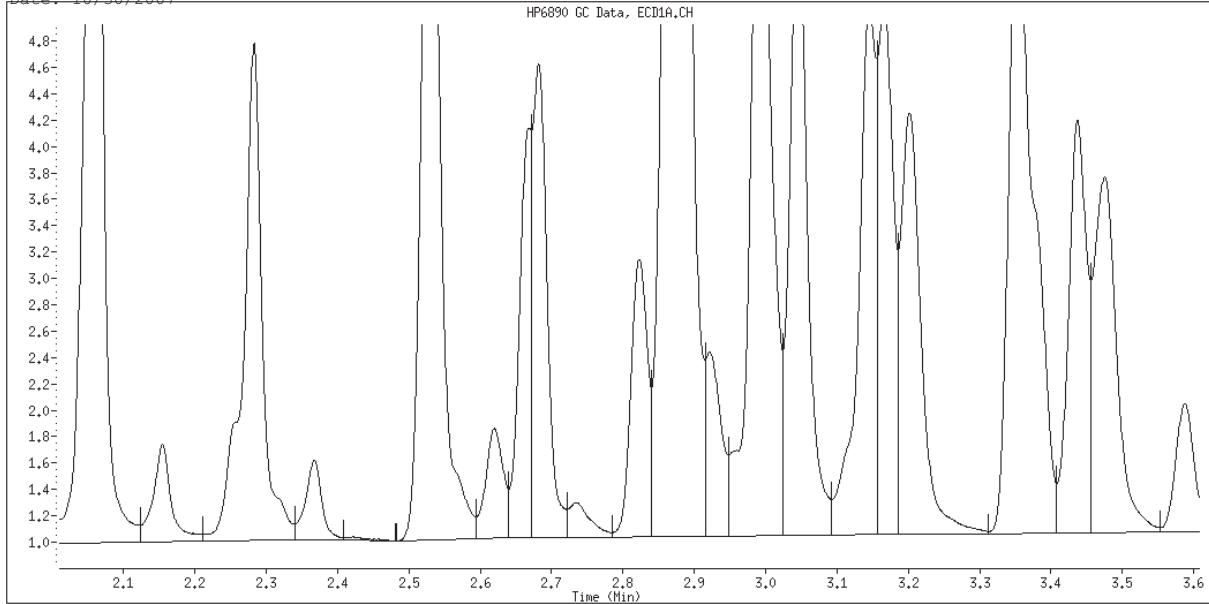
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\005F0501.D
 Date: 29-OCT-2007 19:24
 Client ID: INTRA-LAB CHECK
 Sample Info: J94EX1AD.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

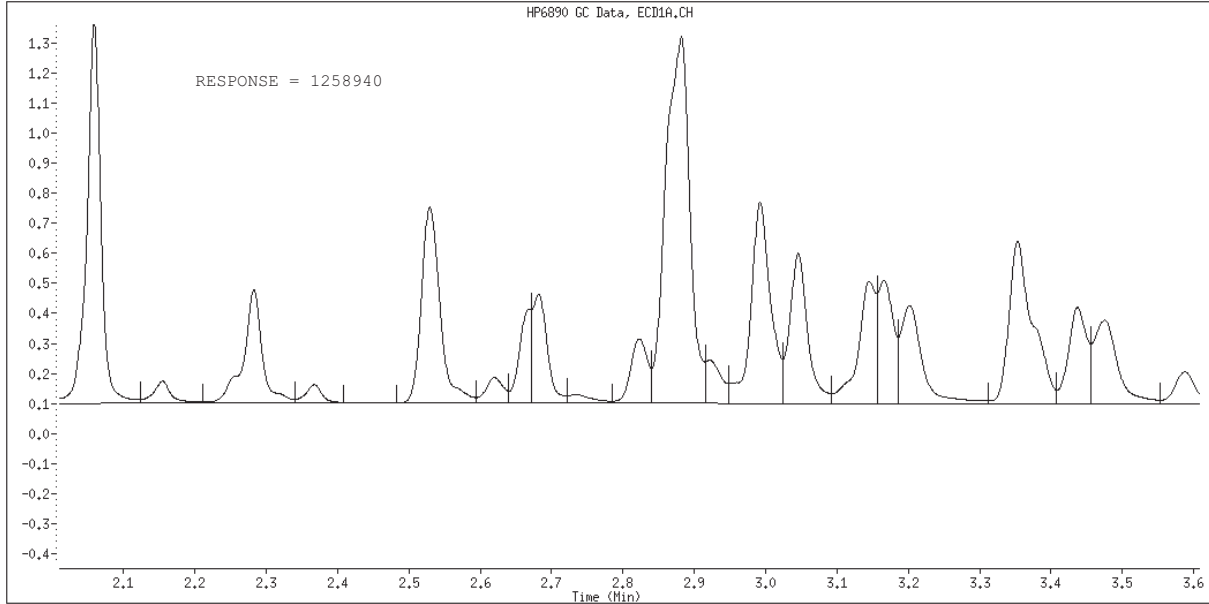
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 005F0501.D
Inj. Date and Time: 29-OCT-2007 19:24
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Lab Smp Id: J94EX1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 5 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	18368175	19487739	1.061	33.705	
1.063	31203660	12239129	0.392	21.143	
1.270	206624	104585	0.506	0.180	
1.313	120835	48066	0.398	0.083	
1.549	40440	20266	0.501	0.035	
1.690	8727	9022	1.034	0.015	
1.729	56401	39647	0.703	0.068	
1.785	12467	7404	0.594	0.012	
1.838	3543	2634	0.743	0.004	
2.059	1762345	1279046	0.726	2.209	\$ 1 TCMX
2.155	130081	73574	0.566	0.127	
2.283	695406	376493	0.541	0.650	3 AROCLOR-1016
2.367	93906	59943	0.638	0.103	
2.529	1201979	654415	0.544	1.130	3 AROCLOR-1016
2.620	149200	85859	0.575	0.148	
2.669	359229	313722	0.873	0.541	
2.682	510215	362691	0.711	0.626	
2.734	68348	29593	0.433	0.051	
2.823	355685	214060	0.602	0.369	
2.882	2865860	1222264	0.426	2.111	3 AROCLOR-1016
2.921	218444	143921	0.659	0.248	
2.992	1291084	670411	0.519	1.158	3 AROCLOR-1016
3.045	878334	500917	0.570	0.865	
3.145	698983	405721	0.580	0.700	
3.166	599173	410982	0.686	0.709	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.201	680581	325386	0.478	0.562	
3.353	1258941	539956	0.429	0.932	3 AROCLOR-1016
3.437	568732	319903	0.562	0.552	
3.475	647567	277025	0.428	0.478	
3.588	219104	105234	0.480	0.181	
3.650	19262	11435	0.594	0.019	
3.700	85651	55570	0.649	0.095	
3.743	622388	320088	0.514	0.552	
3.794	191114	94458	0.494	0.163	
3.825	133157	70810	0.532	0.122	
3.985	94917	50616	0.533	0.087	
4.046	888693	357624	0.402	0.617	
4.404	545828	183159	0.336	0.316	
4.592	462516	198089	0.428	0.342	
4.654	943851	380691	0.403	0.657	
4.750	618851	154886	0.250	0.267	
4.872	2097877	839209	0.400	1.449	8 AROCLOR-1260
5.023	273896	114859	0.419	0.198	
5.109	46974	14275	0.304	0.024	
5.203	357421	160024	0.448	0.276	
5.287	3326339	1395258	0.419	2.410	8 AROCLOR-1260
5.342	545895	257845	0.472	0.445	
5.465	1461239	594711	0.407	1.027	
5.603	82193	43916	0.534	0.075	
5.680	3984097	1422044	0.357	2.456	8 AROCLOR-1260
5.830	1750674	788792	0.451	1.362	
5.892	972468	466129	0.479	0.805	
6.006	309675	161417	0.521	0.278	
6.055	264250	128488	0.486	0.221	
6.147	1907519	925548	0.485	1.598	
6.200	925967	466139	0.503	0.805	
6.260	573812	266802	0.465	0.460	
6.314	61795	29018	0.470	0.050	
6.375	241512	118885	0.492	0.205	
6.458	335802	180209	0.537	0.311	
6.531	4399289	2373853	0.540	4.100	8 AROCLOR-1260
6.580	238953	140991	0.590	0.243	
6.620	94236	58546	0.621	0.101	
6.863	2486361	1316159	0.529	2.273	8 AROCLOR-1260
6.900	850513	504303	0.593	0.871	
6.952	1171016	489497	0.418	0.845	
7.162	80974	45491	0.562	0.078	
7.267	579297	272798	0.471	0.471	
7.372	6905	3221	0.466	0.005	
7.546	1054939	602656	0.571	1.041	
7.604	94641	45656	0.482	0.078	
7.855	379405	194781	0.513	0.336	
8.070	2405128	1256925	0.523	2.171	\$ 9 DCB
	103241359	57885479		100.000	

Total unknown % height = 76.95

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: A7J290197 Work Order #....: J94EX1AA Matrix.....: SOLID
 MB Lot-Sample #: A7J290000-599 Prep Date.....: 10/29/07 Final Wgt/Vol...: 10 mL
 Analysis Date...: 10/29/07 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1221	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1232	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1242	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1248	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1254	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1260	ND	33	ug/kg	SW846 PCBs (8082)
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Tetrachloro-m-xylene	83	(10 - 196)		
Decachlorobiphenyl	106	(10 - 199)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
Report Date: 30-Oct-2007 08:13

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
Lab Smp Id: J94EX1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-OCT-2007 18:55
Operator : 402338 Inst ID: B2.i
Smp Info : J94EX1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
Meth Date : 30-Oct-2007 08:12 ncmoblab Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 3 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX CAS #: 877-09-8
2.059 2.058 0.001 1785366 0.04166 13.89

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

3 AROCLOR-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

4 AROCLOR-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
Report Date: 30-Oct-2007 08:13

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5							
AROCLOR-1242			CAS #: 53469-21-9				
Peaks not detected for Quant. or Qual. signal(s).							

6							
AROCLOR-1248			CAS #: 12672-29-6				
Peaks not detected for Quant. or Qual. signal(s).							

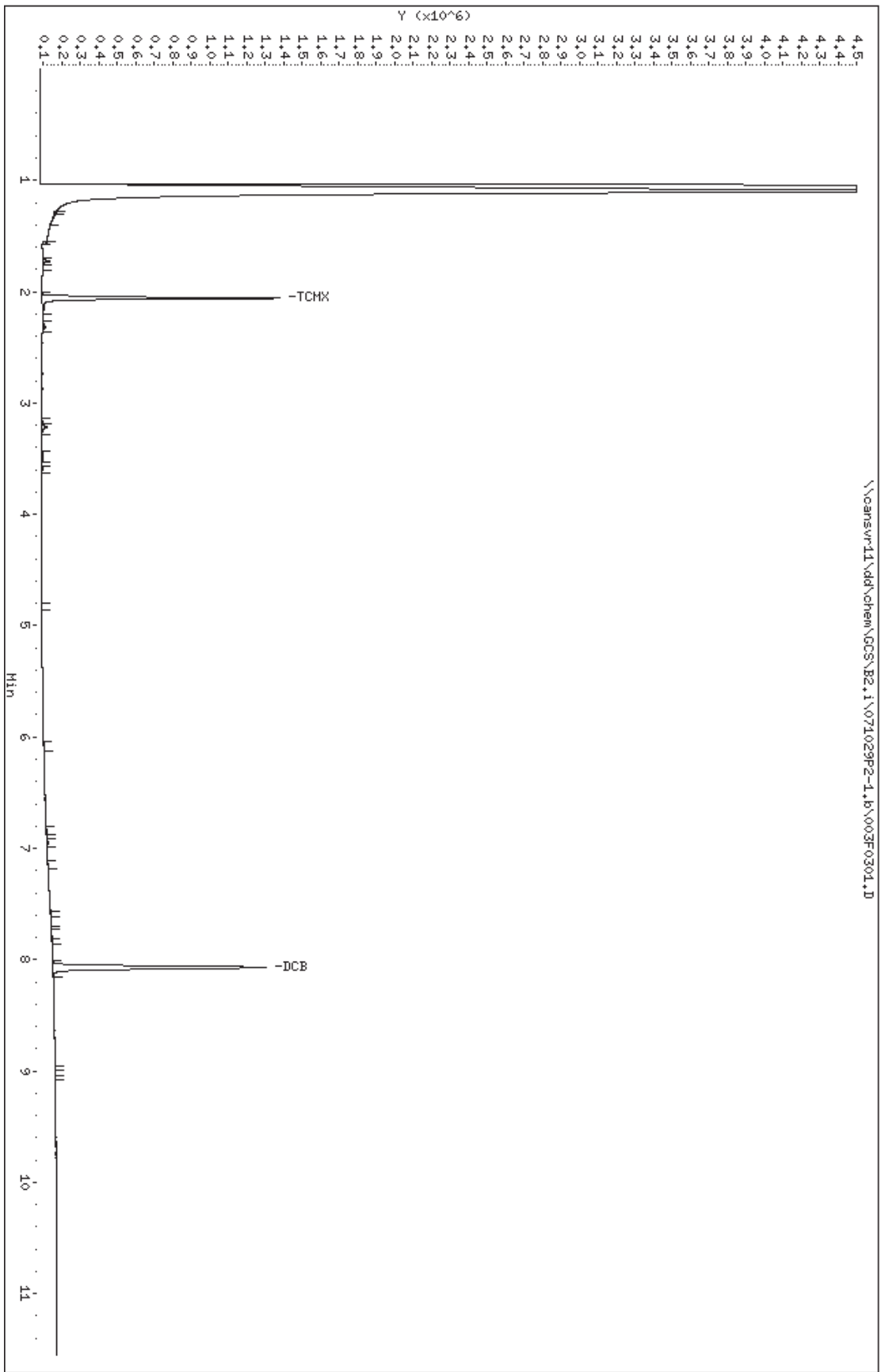
7							
AROCLOR-1254			CAS #: 11097-69-1				
Peaks not detected for Quant. or Qual. signal(s).							

8							
AROCLOR-1260			CAS #: 11096-82-5				
Peaks not detected for Quant. or Qual. signal(s).							

\$ 9							
DCB			CAS #: 2051-24-3				
8.069	8.071	-0.002	2225223	0.05317	17.72		

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\003F0301.D
Date : 29-OCT-2007 18:55
Client ID: INTRA-LAB BLANK
Sample Info: J94EX1A9.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
 Report Date: 30-Oct-2007 08:13

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
 Lab Smp Id: J94EX1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 29-OCT-2007 18:55
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:12 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 3 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	21058139	16432489	0.780	86.258	
1.287	16191	14100	0.871	0.074	
1.313	17036	9791	0.575	0.051	
1.555	32384	21617	0.668	0.113	
1.729	49587	36496	0.736	0.191	
1.782	4476	2655	0.593	0.013	
2.059	1785367	1285943	0.720	6.749	\$ 1 TCMX
2.319	24593	14561	0.592	0.076	
3.178	6350	4318	0.680	0.022	
3.217	48468	26635	0.550	0.139	
3.480	17725	6049	0.341	0.031	
3.593	10336	5609	0.543	0.029	
4.840	3566	1707	0.479	0.008	
6.082	14115	7042	0.499	0.036	
6.845	12585	5292	0.420	0.027	
6.956	17071	8576	0.502	0.045	
7.157	4590	1777	0.387	0.009	
7.594	6804	3304	0.486	0.017	
7.721	2914	1836	0.630	0.009	
7.852	3357	3431	1.022	0.018	
8.069	2225223	1155706	0.519	6.065	\$ 9 DCB
8.972	4234	2228	0.526	0.011	
9.063	2519	1840	0.730	0.009	
=====	=====	=====	=====	=====	
	25367631	19053002		100.000	

Total unknown % height = 87.19

MISCELLANEOUS DATA

Save GLP Data: off

Post-Run Cmd/Macro: on
Name: macro "gcacqB2.mac", go

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

6890 GC METHOD

=====

OVEN

Initial temp: 175 'C (On) Maximum temp: 330 'C
Initial time: 0.25 min Equilibration time: 0.50 min
Ramps:
Rate Final temp Final time
1 20.00 225 2.00
2 25.00 295 4.00
3 0.0 (Off)
Post temp: 50 'C
Post time: 0.00 min
Run time: 11.55 min

FRONT INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 250 'C (On)
Pressure: 9.50 psi (On)
Purge flow: 20.0 mL/min
Purge time: 1.00 min
Total flow: 39.0 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 2.00 min
Gas type: Helium

BACK INLET (SPLIT/SPLITLESS)

Mode: Split
Initial temp: 50 'C (Off)
Pressure: 0.00 psi (Off)
Total flow: 45.0 mL/min
Gas saver: Off
Gas type: Helium

COLUMN 1

Capillary Column
Model Number: Restek 11140
RTX-CLPesticides I
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: constant pressure
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: Restek 11340
RTX-CLPesticides II
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: (see column 1)
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%

BACK DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%

Electrometer: On

Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1

Derive from front detector

COLUMN COMP 2

Derive from back detector

POST RUN

Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

GC Injector

Front Injector:

Sample Washes	1
Sample Pumps	4
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	1
PostInj Solvent B Washes	0
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

B2-ICAL

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071008IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 2	1660,,1,1	B2PCBF	1	Sample		
3	Vial 3	1660,,1,2	B2PCBF	1	Sample		
4	Vial 4	1660,,1,3	B2PCBF	1	Sample		
5	Vial 5	1660,,1,4	B2PCBF	1	Sample		
6	Vial 6	1660,,1,5	B2PCBF	1	Sample		
7	Vial 7	1660,,1,6	B2PCBF	1	Sample		
8	Vial 8	1660,,2	B2PCBF	1	Sample		
9	Vial 9	1232,,1,1	B2PCBF	1	Sample		
10	Vial 10	1232,,1,2	B2PCBF	1	Sample		
11	Vial 11	1232,,1,3	B2PCBF	1	Sample		
12	Vial 12	1232,,1,4	B2PCBF	1	Sample		
13	Vial 13	1232,,1,5	B2PCBF	1	Sample		
14	Vial 14	1232,,1,6	B2PCBF	1	Sample		
15	Vial 15	1242,,1,1	B2PCBF	1	Sample		
16	Vial 16	1242,,1,2	B2PCBF	1	Sample		
17	Vial 17	1242,,1,3	B2PCBF	1	Sample		
18	Vial 18	1242,,1,4	B2PCBF	1	Sample		
19	Vial 19	1242,,1,5	B2PCBF	1	Sample		
20	Vial 20	1242,,1,6	B2PCBF	1	Sample		
21	Vial 21	1248,,1,1	B2PCBF	1	Sample		
22	Vial 22	1248,,1,2	B2PCBF	1	Sample		
23	Vial 23	1248,,1,3	B2PCBF	1	Sample		
24	Vial 24	1248,,1,4	B2PCBF	1	Sample		
25	Vial 25	1248,,1,5	B2PCBF	1	Sample		
26	Vial 26	1248,,1,6	B2PCBF	1	Sample		
27	Vial 27	2154,,1,1	B2PCBF	1	Sample		
28	Vial 28	2154,,1,2	B2PCBF	1	Sample		
29	Vial 29	2154,,1,3	B2PCBF	1	Sample		
30	Vial 30	2154,,1,4	B2PCBF	1	Sample		
31	Vial 31	2154,,1,5	B2PCBF	1	Sample		
32	Vial 32	2154,,1,6	B2PCBF	1	Sample		

RE-RUN 1242

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071009IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

B2-ICAL 1242

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 15	1242,,1,1	B2PCBF	1	Sample ✓		
3	Vial 16	1242,,1,2	B2PCBF	1	Sample ✓		
4	Vial 17	1242,,1,3	B2PCBF	1	Sample ✓		
5	Vial 18	1242,,1,4	B2PCBF	1	Sample ✓		
6	Vial 19	1242,,1,5	B2PCBF	1	Sample ✓		
7	Vial 20	1242,,1,6	B2PCBF	1	Sample ✓		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071029P2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

Sequence Table (Front Injector):

B2

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	PRIMER	B2PCBF	3	Sample		
2	Vial 2	1660,,2	B2PCBF	1	Sample		
3	Vial 3	J94EX1AA,1 MB	B2PCBF	1	Sample		
4	Vial 4	J94EX1AC,1 CS	B2PCBF	1	Sample		
5	Vial 5	J94EX1AD,1 CSD	B2PCBF	1	Sample		
6	Vial 6	J94DR1AA,1 13	B2PCBF	1	Sample		
7	Vial 7	J94DT1AA,1 14	B2PCBF	1	Sample		
8	Vial 8	J94DV1AA,1 15	B2PCBF	1	Sample		
9	Vial 9	J94DW1AA,1 16	B2PCBF	1	Sample		
10	Vial 10	J94D11AA,1 17	B2PCBF	1	Sample		
11	Vial 11	J94D21AA,1 18	B2PCBF	1	Sample		
12	Vial 12	J94D31AA,1 19	B2PCBF	1	Sample		
13	Vial 13	J94D41AA,1 20	B2PCBF	1	Sample		
14	Vial 14	J94D51AA,1 21	B2PCBF	1	Sample		
15	Vial 15	1660,,2	B2PCBF	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

TestAmerica Laboratories, Inc.
EXTRACTION BENCH SHEET

Run Date: 11/2/2007
Time: 12:52:50

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
-	-	-	-
-	-	-	-

Blank Weights/Volumes
Check Spike & Surrogate Worksheet
MS/MSD Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct &
Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 402582 RAY SHOCK

Concentrationist: 402582 RAY SHOCK

Reviewer/Date: SHOCKR / 10/29/07

*
* QC BATCH: 7302599 *
*

PREP DATE: 10/29/07
COMP DATE: 10/29/07

PCBs by SW-846 8082
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH'S		ADJ2	EXTRACTION	SOLVENTS		SPIKE STANDARD/ SURROGATE ID	
							WT/VOL	INIT	ADJ1	VOL			EXCHANGE	VOL		
11/12/07 /0/ COMMENTS:		A7J290000-599 J94EX-1-AA B		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL	10UG/ML
11/12/07 /0/ COMMENTS:		A7J290000-599 J94EX-1-AC C		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL	100UG/ML
11/12/07 /0/ COMMENTS:		A7J290000-599 J94EX-1-AD L		13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL	100UG/ML
11/12/07 10/30/07 COMMENTS:		A7J290197-001 J94DR-1-AA	D	13	47	SOLID	30.2g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL	10UG/ML
11/12/07 10/30/07 COMMENTS:		A7J290197-002 J94DT-1-AA	D	13	47	SOLID	30.13g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL	10UG/ML
11/12/07 10/30/07 COMMENTS:		A7J290197-003 J94DV-1-AA	D	13	47	SOLID	30.01g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL	10UG/ML

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
* QC BATCH: 7302599 *
*

PREP DATE: 10/29/07
COMP DATE: 10/29/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S			SOLVENTS		SPIKE STANDARD/ SURROGATE ID
							WT/VOL	INIT	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE		VOL
11/12/07 COMMENTS:	10/30/07	A7J290197-004 J94DW-1-AA	D	13	47	SOLID	30.15g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290198-001 J94D1-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-001 J94D2-1-AA	D	13	47	SOLID	30.19g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-002 J94D3-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-003 J94D4-1-AA	D	13	47	SOLID	30.19g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-004 J94D5-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0 50UL 10UG/ML

DCM/ACE E34E61 HEXANE E24E10

NUMBER OF WORK ORDERS IN BATCH: 12

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	7302597	
Prep Date	10/29/07	Time In	17:30	Analyst	WI/RC	
Anal Date	10/30/07	Time Out	8:40	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
J94E31AA	1.03	1.03	1.03	0	ND	
J94DR1AC	1.03	11.39	9.12	78.089	21.911	
J94DT1AC	1.03	12.96	8.52	62.783	37.217	
J94DV1AC	1.03	13.86	10.50	73.811	26.189	
J94DW1AC	1.03	13.74	10.07	71.125	28.875	
J94D11AC	1.03	13.81	10.57	74.648	25.352	
J94D21AC	1.03	16.88	13.60	79.306	20.694	
J94D21AD	1.03	11.07	8.99	79.283	20.717	
J94D31AC	1.03	14.53	11.96	80.963	19.037	
J94D41AC	1.03	14.80	12.18	80.973	19.027	
J94D51AC	1.03	16.79	13.46	78.871	21.129	

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A7J290197

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Solids	ND	Work Order #: J94E31AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A7J290000-597 10/29-10/30/07	7302597
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A7J290197

Work Order #....: J94D2-SMP
J94D2-DUP

Matrix.....: SOLID

Date Sampled....: 10/29/07 14:25 Date Received...: 10/29/07

% Moisture.....: 21

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	79.3	79.3	%	0.029	(0-20)	MCAWW 160.3 MOD	10/29-10/30/07	7302597
				Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
						SD Lot-Sample #: A7J290199-001		

Sample Control Chain of Custody – TAL North Canton
GC Semivolatiles

**Lot/SDG
Number:** **A7J290197**

<u>Lot Number</u>	<u>Work Order</u>	<u>Analysis Type</u>	<u>Prep Date</u>	<u>Prep Analyst</u>	<u>Date of Transfer</u>	<u>Transferred By</u>	<u>Analysis Date</u>	<u>Analyst</u>
A7J290197-001	J94DR1AA	PCBs by SW-846 8082	10/29/07	Ray Shock		Ray Shock	10/29/07	Richard Charles
A7J290197-002	J94DT1AA	PCBs by SW-846 8082	10/29/07	Ray Shock		Ray Shock	10/29/07	Richard Charles
A7J290197-003	J94DV1AA	PCBs by SW-846 8082	10/29/07	Ray Shock		Ray Shock	10/29/07	Richard Charles
A7J290197-004	J94DW1AA	PCBs by SW-846 8082	10/29/07	Ray Shock		Ray Shock	10/29/07	Richard Charles

END OF REPORT

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ANALYTICAL REPORT

PROJECT NO. E117001

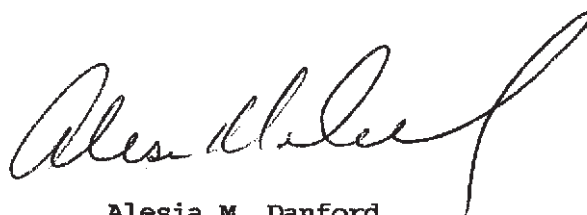
GMPT BEDFORD - (013968-OS)

Lot #: A7K080389

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

TESTAMERICA LABORATORIES, INC.



Alesia M. Danford
Project Manager

November 14, 2007

CASE NARRATIVE

CASE NARRATIVE

A7K080389

The following report contains the analytical results for two solid samples submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT Bedford - (013968-OS) Site, project number E117001. The samples were received November 08, 2007, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to the Chemistry Department, Jeffrey Nichols, Chris Heij, GM Edds, Katie Kamm, Mary Kelly, Kathy Willy, Paul Gallaway, Pete Bridcut, Rick Charles, and Sarah Heikoop on November 09, 2007. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Alesia M. Danford, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (Continued)

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP (#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

N:\QAQC\Customer Service\Narrative - Combined RCRA_CWA 061807.doc

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A7K080389

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-387-110807-AH-26170 11/08/07 16:05	001			
Aroclor 1248	1000	46	ug/kg	SW846 PCBs (8082)
Aroclor 1260	220	46	ug/kg	SW846 PCBs (8082)
Percent Solids	71.6	10.0	%	MCAWW 160.3 MOD
S-387-110807-AH-26171 11/08/07 16:07	002			
Aroclor 1248	1200	48	ug/kg	SW846 PCBs (8082)
Aroclor 1260	300	48	ug/kg	SW846 PCBs (8082)
Percent Solids	69.0	10.0	%	MCAWW 160.3 MOD

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7K080389

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs by SW-846 8082	SW846 PCBs (8082)
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SAMPLE SUMMARY

A7K080389

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
KAVFC	001	S-387-110807-AH-26170	11/08/07	16:05
KAVFD	002	S-387-110807-AH-26171	11/08/07	16:07

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

***SHIPPING
AND
RECEIVING DOCUMENTS***

PAGE 1 OF 1

eCOC in Use

Required Client Information:
 Ontostoga-Rovers & Associates
 Report To:
 Copy To: Paul Wiseman
 Address:
 47M Drive & 4th Street
 Bedford, Indiana 47421
 P.O.:
 Project Name: GM - BEDFORD
 Project Number: 013968
 Phone: (812) 277-8960
 Fax: (812) 277-8980
 E-mail:

Laboratory: IA On-Site Mobile Laboratory
 Laboratory Location: On-Site in Bedford, IN
 Laboratory Contact:
 Requested Due Date:
 QA/QC Requirements:
 TAT: 1 Day

ID: # C#11082007_165214

SSOW Ref. Code: E117001

LOT: A7K080389
 PCB: 7312626
 TS: 7312623

Valid Matrix Codes:
 WG Groundwater
 WB Borehole Water
 WS Surface Water
 SO Soil
 SE Sediment
 See Back for
 Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative	Analysis and Method		Remarks/Lab ID
						/PCBS, TOTAL	/SOLIDS, TOTAL	
1 S-387-110807-AH-26170	SO	11/08/07	16:05	1		X	X	
2 S-387-110807-AH-26171	SO	11/08/07	16:07	1		X	X	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

TOTAL NUMBER OF CONTAINERS: 2

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Direct to On-Site Lab	0	Andy D. Henderson / CRA	11/08/07	16:55	<i>[Signature]</i>	11/08/07	16:55
AIRBILL NO: NA							

Additional Comments:
 Sample Condition:
 Temp in C
 Received on Ice Y / N
 Sealed Cooler Y / N
 Samples Intact Y / N

Sampler Name: Andy D. Henderson
 Sampler Signature: *[Signature]* Date: 11/08/07

Fully Executed Copy

Test America Cooler Receipt Form/Narrative

Lot Number:A7K080389

GM Bedford Site

Client: CRA Project: BEDFORD Quote#:060673
 Cooler Received on:11/08/07 Client Cooler by: Ray Shock
 (Signature)
 Client Drop Off
 1. Did custody papers accompany the samples? Yes No Relinquished by client? Yes No
 2. Did you sign the custody papers in the appropriate place? Yes No
 3. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial Coolant & Sample Against Bottles IR ICE/H₂O Slurry
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 4. Did all bottles arrive in good condition (Unbroken)? Yes No
 5. Could all bottle labels and/or tags be reconciled with the COC? Yes No
 12. Sufficient quantity received to perform indicated analyses? Yes No
 Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning:

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.

4. Other (see below or back)

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Coolant</u>
<u>Discrepancies Cont.</u>			

***POLYCHLORINATED
BIPHENYLS DATA***

QC SUMMARY DATA

SW846 PCBs (8082) SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7K080389

Extraction: XXA1347BD

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	INTRA-LAB QC	82	99	00
02	S-387-110807-AH-26170	72	114	00
03	S-387-110807-AH-26171	78	120	00
04	METHOD BLK. KAVFK1AA	92	107	00
05	LCS KAVFK1AC	87	103	00
06	LAB MS/MSD D	73	94	00
07	LAB MS/MSD S	92	104	00

SURROGATES

SRG01 = Tetrachloro-m-xylene
 SRG02 = Decachlorobiphenyl

QC LIMITS

(10-196)
 (10-199)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 PCBs (8082) CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7K080000

WO #: KAVFK1AC

BATCH: 7312626

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	290	88	34- 127	
Aroclor 1260	330	310	92	32- 141	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A7K080388

WO #: KAVFA1AD

BATCH: 7312626

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	410	ND	420	104	10- 199	
Aroclor 1260	410	130	450	79	10- 199	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Matrix Spike ID: LAB MS/MSD

Level: (low/med) LOW

Lot #: A7K080388

WO #: KAVFA1AE

BATCH: 7312626

COMPOUND	SPIKE	MSD	MSD		QC LIMITS		QUAL
	ADDED (ug/kg)	CONCENT. (ug/kg)	% REC	% RPD	RPD	REC	
Aroclor 1016	410	370	91	13	30	10- 199	
Aroclor 1260	410	410	69	9.3	30	10- 199	

NOTES (S) :

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) METHOD BLANK SUMMARY

BLANK WORKORDER NO.

Lab Name: TestAmerica Laboratories, Inc.

KAVFK1AA

Lab Code: TALCAN

SDG Number:

Lab File ID: 003F0301.

Lot Number: A7K080389

Matrix: SOLID

Extraction Method:

Date Extracted: 11/08/07

Date Analyzed(1): 11/08/07

Date Analyzed(2): N/A

Time Analyzed(1): 22:14

Time Analyzed(2): N/A

Instrument ID(1): B2

Instrument ID(2): N/A

GC Column(1): N/A ID: N/A GC Column(2): N/A ID: N/A

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

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01 | INTRA-LAB QC	| KAVFA1AA	| 11/09/07	| N/A
02 | LAB MS/MSD	| KAVFA1AD S	| 11/09/07	| N/A
03 | LAB MS/MSD	| KAVFA1AE D	| 11/09/07	| N/A
04 | S-387-110807-AH-26170	| KAVFC1AA	| 11/09/07	| N/A
05 | S-387-110807-AH-26171	| KAVFD1AA	| 11/09/07	| N/A
06 | CHECK SAMPLE	| KAVFK1AC C	| 11/08/07	| N/A
07 |	|	|	|
08 |	|	|	|
09 |	|	|	|
10 |	|	|	|
11 |	|	|	|
12 |	|	|	|
13 |	|	|	|
14 |	|	|	|
15 |	|	|	|
16 |	|	|	|
17 |	|	|	|
18 |	|	|	|
19 |	|	|	|
20 |	|	|	|

COMMENTS:

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-110807-AH-26170

GC Semivolatiles

Lot-Sample #....: A7K080389-001 Work Order #....: KAVFC1AA Matrix.....: SO
 Date Sampled...: 11/08/07 16:05 Date Received...: 11/08/07
 Prep Date.....: 11/08/07 Analysis Date...: 11/09/07
 Prep Batch #....: 7312626
 Dilution Factor: 1 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 28 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	46	ug/kg
Aroclor 1221	ND	46	ug/kg
Aroclor 1232	ND	46	ug/kg
Aroclor 1242	ND	46	ug/kg
Aroclor 1248	1000	46	ug/kg
Aroclor 1254	ND	46	ug/kg
Aroclor 1260	220	46	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	72	(10 - 196)
Decachlorobiphenyl	114	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
Report Date: 09-Nov-2007 08:04

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
Lab Smp Id: KAVFC1AA Client Smp ID: S-387-110807-AH-261
Inj Date : 09-NOV-2007 03:40
Operator : 402338 Inst ID: B2.i
Smp Info : KAVFC1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====

\$	1	TCMX				CAS #: 877-09-8	
2.054	2.054	0.000	1535046	0.03582	11.86		

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

3 AROCLOR-1016 CAS #: 12674-11-2

Compound Not Detected

4 AROCLOR-1232 CAS #: 11141-16-5

Compound Not Detected

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
 Report Date: 09-Nov-2007 08:04

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	0	0.0000	0.0000	75.00- 125.00	0.00 (M)
3.139	3.145	-0.006	2014369	1.63348	540.9	129.13- 215.22	0.00
3.346	3.353	-0.007	2366383	1.16073	384.3	212.84- 354.73	0.00
3.430	3.437	-0.007	3006436	2.70688	896.3	118.78- 197.96	0.00
4.581	4.592	-0.011	3322437	3.11582	1032	114.23- 190.39	0.00
Average of Peak Concentrations =					713.3		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.860	4.861	-0.001	850936	0.39923	132.2	80.00- 120.00	100.00 (M)
5.278	5.278	0.000	1997833	0.59977	198.6	118.28- 197.13	234.78
5.670	5.671	-0.001	2138773	0.56237	186.2	139.37- 232.28	251.34
6.523	6.524	-0.001	1118434	0.26750	88.57	162.70- 271.17	131.44
6.858	6.856	0.002	1364279	0.57090	189.0	94.12- 156.86	160.33
Average of Peak Concentrations =					158.9		

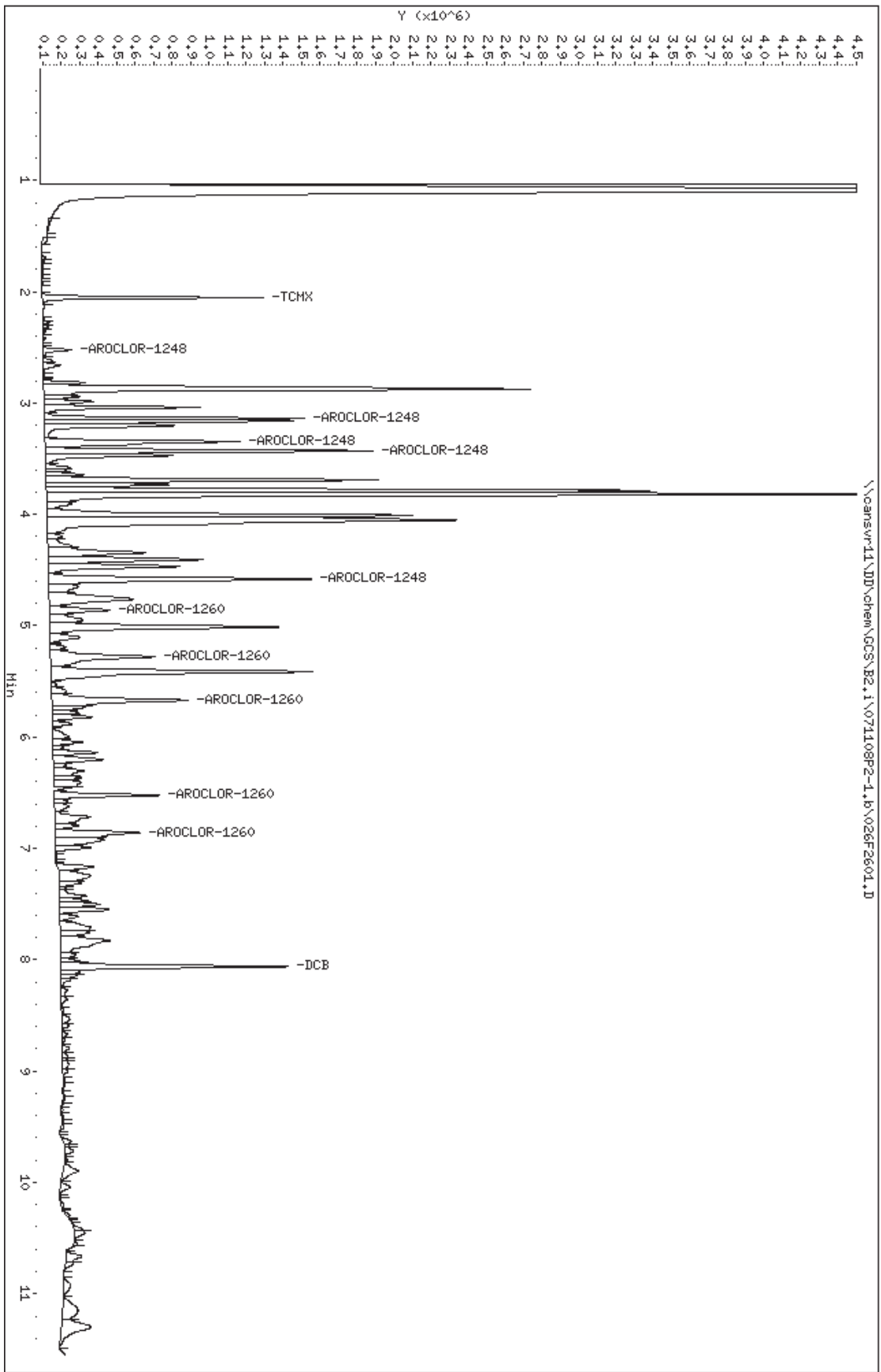
9 DCB			CAS #: 2051-24-3				
8.061	8.062	-0.001	2389861	0.05711	18.91		

QC Flag Legend

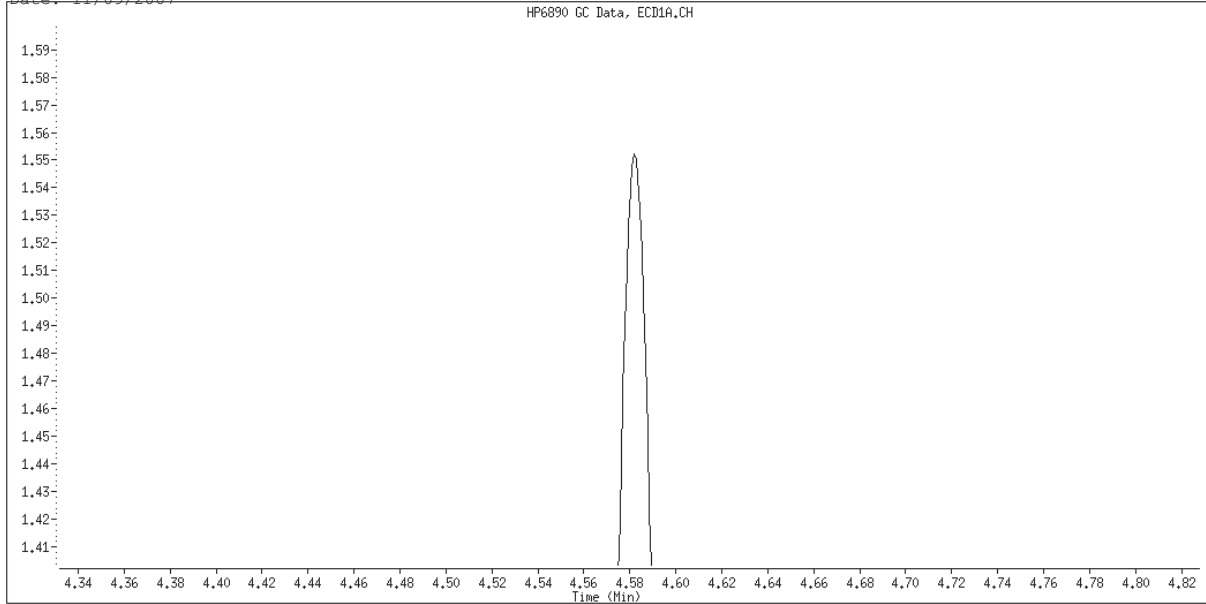
M - Compound response manually integrated.

Data File: \\canusvr11\DD\chem\GCS\B2.1\071108P2-1.b\026F2601.D
 Date: 09-NDW-2007 03:40
 Client ID: S-387-110807-4H-261
 Sample Info: KAWFC1A9.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

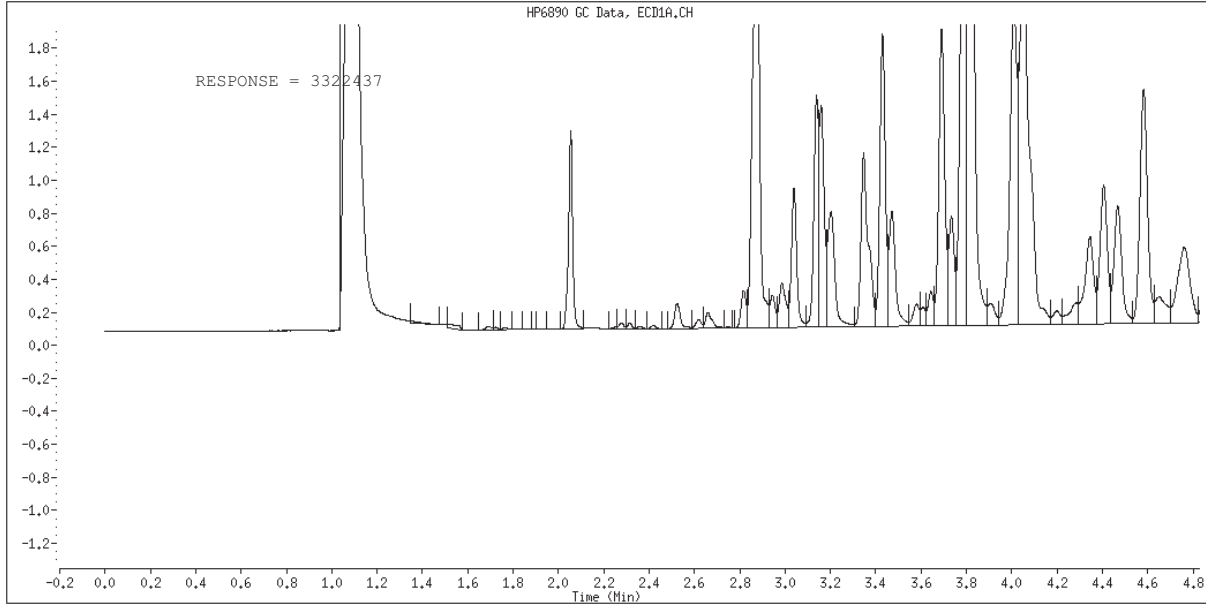
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 026F2601.D
Inj. Date and Time: 09-NOV-2007 03:40
Instrument ID: B2.i
Client ID: S-387-110807-AH-261
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 11/09/2007



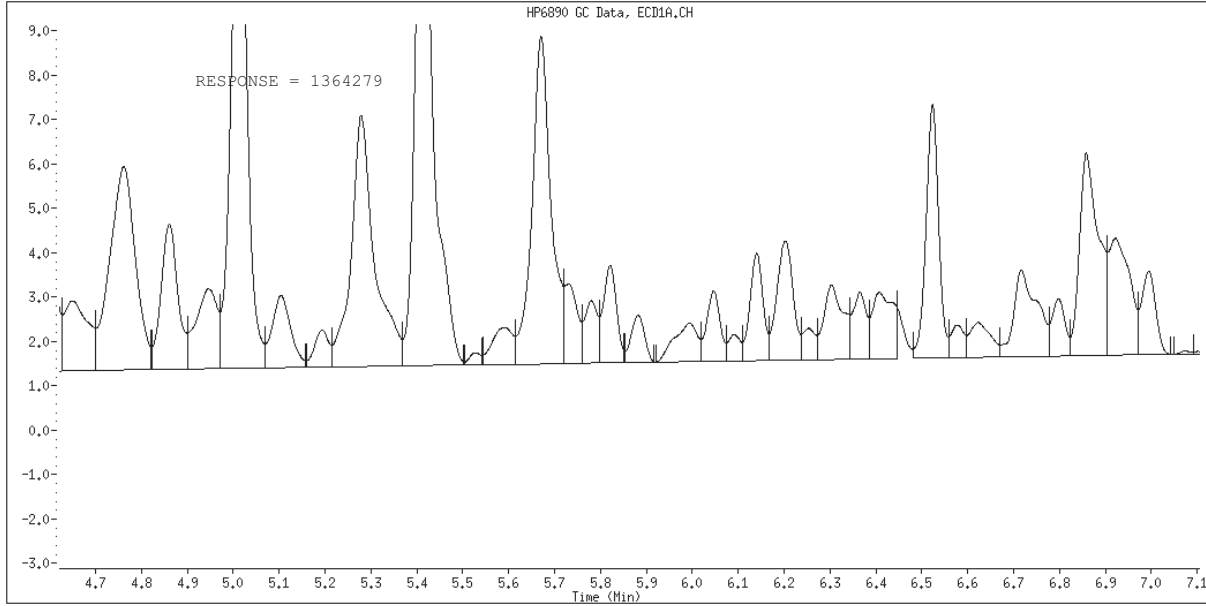
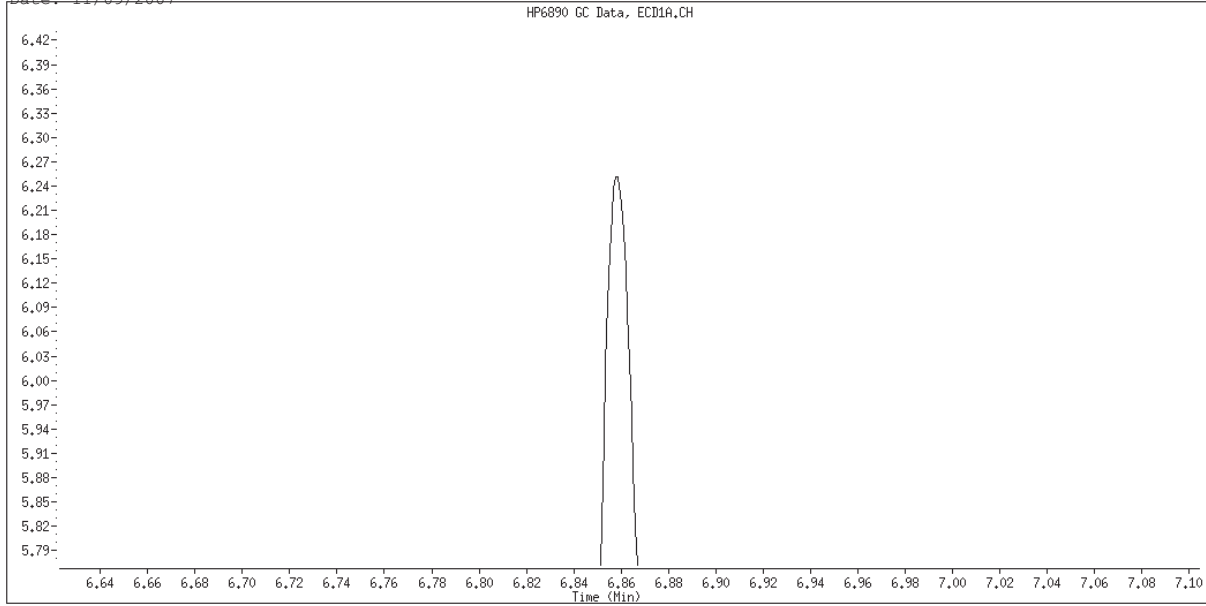
Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 026F2601.D
Inj. Date and Time: 09-NOV-2007 03:40
Instrument ID: B2.i
Client ID: S-387-110807-AH-261
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 11/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
 Report Date: 09-Nov-2007 08:04

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
 Lab Smp Id: KAVFC1AA Client Smp ID: S-387-110807-AH-261
 Inj Date : 09-NOV-2007 03:40
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFC1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	19932031	16935248	0.850	27.046	
1.355	53056	15082	0.284	0.024	
1.520	81464	22175	0.272	0.035	
1.693	34455	20096	0.583	0.032	
1.724	18013	14557	0.808	0.023	
1.766	17238	8353	0.485	0.013	
1.819	8436	5530	0.656	0.008	
1.867	7590	5907	0.778	0.009	
1.926	3017	2356	0.781	0.003	
2.054	1535046	1197952	0.780	1.908	\$ 1 TCMX
2.254	11127	11084	0.996	0.017	
2.278	49172	34696	0.706	0.055	
2.314	43697	33514	0.767	0.053	
2.361	21894	15223	0.695	0.024	
2.419	25580	19252	0.753	0.030	
2.524	278428	154301	0.554	0.245	6 AROCLOR-1248
2.619	89904	51349	0.571	0.081	
2.659	196941	95554	0.485	0.152	
2.751	10135	6458	0.637	0.010	
2.817	358836	226959	0.632	0.361	
2.876	5697200	2632772	0.462	4.194	
2.944	324332	196365	0.605	0.312	
2.986	541858	268316	0.495	0.427	
3.039	1353338	843863	0.624	1.344	
3.139	2014370	1402100	0.696	2.233	6 AROCLOR-1248

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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
 Report Date: 09-Nov-2007 08:04

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
=====	=====	=====	=====	=====	=====
3.160	2060074	1344832	0.653	2.142	
3.204	1594819	698023	0.438	1.111	
3.347	2366384	1052481	0.445	1.676	6 AROCLOR-1248
3.430	3006436	1769732	0.589	2.819	6 AROCLOR-1248
3.471	1383748	691768	0.500	1.102	
3.580	260815	131786	0.505	0.209	
3.609	160159	111727	0.698	0.177	
3.644	358316	208013	0.581	0.331	
3.691	3294379	1793839	0.545	2.857	
3.734	1155850	660527	0.571	1.052	
3.786	5549722	3259754	0.587	5.192	
3.819	9125680	4460927	0.489	7.106	
3.908	317543	133310	0.420	0.212	
4.009	4356674	1973819	0.453	3.144	
4.052	7027777	2213167	0.315	3.525	
4.198	196645	80891	0.411	0.128	
4.285	360389	128483	0.357	0.204	
4.345	1431327	529943	0.370	0.844	
4.406	1929962	841729	0.436	1.340	
4.468	1715796	712024	0.415	1.134	
4.582	3322438	1419385	0.427	2.261	6 AROCLOR-1248
4.650	565429	157489	0.279	0.250	
4.761	1787348	458362	0.256	0.730	
4.860	850937	326983	0.384	0.520	8 AROCLOR-1260
4.945	577503	180621	0.313	0.287	
5.012	3005618	1237645	0.412	1.971	
5.104	459738	163275	0.355	0.260	
5.193	184343	83016	0.450	0.132	
5.279	1997834	566202	0.283	0.901	8 AROCLOR-1260
5.413	3644190	1415001	0.388	2.254	
5.527	47486	27293	0.575	0.043	
5.590	259384	82963	0.320	0.132	
5.670	2138774	737453	0.345	1.174	8 AROCLOR-1260
5.731	359231	179912	0.501	0.286	
5.780	273285	140390	0.514	0.223	
5.820	439712	219716	0.500	0.350	
5.882	217925	106605	0.489	0.169	
5.994	300705	86348	0.287	0.137	
6.046	325272	159005	0.489	0.253	
6.093	105701	59117	0.559	0.094	
6.140	482143	241596	0.501	0.384	
6.204	680412	268726	0.395	0.428	
6.254	135567	71374	0.526	0.113	
6.303	496422	167465	0.337	0.266	
6.365	316287	150287	0.475	0.239	
6.409	471474	150041	0.318	0.239	
6.524	1118435	571347	0.511	0.910	8 AROCLOR-1260
6.577	146241	73195	0.501	0.116	
6.623	247209	78773	0.319	0.125	
6.717	688526	195577	0.284	0.311	
6.798	256823	129407	0.504	0.206	
6.859	1364279	456791	0.335	0.727	8 AROCLOR-1260
6.922	832304	263533	0.317	0.419	
6.994	406796	187896	0.462	0.299	
7.076	10276	6837	0.665	0.010	
7.100	7078	6314	0.892	0.010	
7.166	466349	197794	0.424	0.315	

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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\026F2601.D
 Report Date: 09-Nov-2007 08:04

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.245	709087	173121	0.244	0.275	
7.311	260545	119614	0.459	0.190	
7.355	50180	35421	0.706	0.056	
7.427	355860	148084	0.416	0.235	
7.470	249739	150772	0.604	0.240	
7.503	404192	219905	0.544	0.350	
7.549	650145	266334	0.410	0.424	
7.611	214727	100481	0.468	0.160	
7.708	651590	163393	0.251	0.260	
7.757	335403	158957	0.474	0.253	
7.827	1303949	270910	0.208	0.431	
7.955	217078	83331	0.384	0.132	
8.015	189000	106918	0.566	0.170	
8.062	2389861	1231192	0.515	1.961	\$ 9 DCB
8.109	169818	100819	0.594	0.160	
8.142	149880	84621	0.565	0.134	
8.182	112790	51859	0.460	0.082	
8.276	111605	32560	0.292	0.051	
8.356	78196	31955	0.409	0.050	
8.456	26045	13567	0.521	0.021	
8.534	140293	43067	0.307	0.068	
8.593	81035	37505	0.463	0.059	
8.671	66616	28284	0.425	0.045	
8.724	33154	15482	0.467	0.024	
8.797	91466	38498	0.421	0.061	
8.865	69436	26678	0.384	0.042	
8.900	27751	23993	0.865	0.038	
8.939	107347	32299	0.301	0.051	
9.001	69703	25211	0.362	0.040	
9.082	21240	10942	0.515	0.017	
9.118	34445	11864	0.344	0.018	
9.221	15787	9439	0.598	0.015	
9.244	21296	9276	0.436	0.014	
9.349	22078	12851	0.582	0.020	
9.414	26605	12432	0.467	0.019	
9.451	15509	8150	0.525	0.012	
9.502	34546	16128	0.467	0.025	
9.634	116765	43824	0.375	0.069	
9.676	22314	20629	0.924	0.032	
9.716	133596	43592	0.326	0.069	
9.793	20656	11256	0.545	0.017	
9.896	347634	79678	0.229	0.126	
10.044	150128	48969	0.326	0.078	
10.201	38317	14787	0.386	0.023	
10.299	42147	17080	0.405	0.027	
10.359	2940	1225	0.417	0.001	
10.428	89920	48330	0.537	0.076	
10.454	179102	56763	0.317	0.090	
10.545	35400	18658	0.527	0.029	
10.663	275172	85440	0.310	0.136	
10.724	131104	43366	0.331	0.069	
10.923	231652	41044	0.177	0.065	
11.150	697475	88426	0.127	0.140	
11.299	1038184	164685	0.159	0.262	
	122409626	62773236		100.000	

Total unknown % height = 82.66

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-387-110807-AH-26171

GC Semivolatiles

Lot-Sample #....: A7K080389-002 Work Order #....: KAVFD1AA Matrix.....: SO
 Date Sampled...: 11/08/07 16:07 Date Received...: 11/08/07
 Prep Date.....: 11/08/07 Analysis Date...: 11/09/07
 Prep Batch #....: 7312626
 Dilution Factor: 1 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 31 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	48	ug/kg
Aroclor 1221	ND	48	ug/kg
Aroclor 1232	ND	48	ug/kg
Aroclor 1242	ND	48	ug/kg
Aroclor 1248	1200	48	ug/kg
Aroclor 1254	ND	48	ug/kg
Aroclor 1260	300	48	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	78	(10 - 196)
Decachlorobiphenyl	120	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Report Date: 09-Nov-2007 08:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Lab Smp Id: KAVFD1AA Client Smp ID: S-387-110807-AH-261
 Inj Date : 09-NOV-2007 03:54
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFD1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.054	2.054	0.000		1673642	0.03905	12.93	

2	AROCLOR-1221					CAS #: 11104-28-2	
Compound Not Detected							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Report Date: 09-Nov-2007 08:05

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242				CAS #: 53469-21-9			
Compound Not Detected							

6 AROCLOR-1248				CAS #: 12672-29-6			
2.527	2.527	0.000	0	0.0000	0.0000	75.00- 125.00	0.00 (M)
3.139	3.145	-0.006	2448249	1.98532	657.4	129.13- 215.22	0.00
3.347	3.353	-0.006	2612951	1.28168	424.4	212.84- 354.73	0.00
3.430	3.437	-0.007	3527942	3.17642	1052	118.78- 197.96	0.00
4.582	4.592	-0.010	4028759	3.77821	1251	114.23- 190.39	0.00
Average of Peak Concentrations =					846.2		

7 AROCLOR-1254				CAS #: 11097-69-1			
Compound Not Detected							

8 AROCLOR-1260				CAS #: 11096-82-5			
4.861	4.861	0.000	1094688	0.51360	170.1	80.00- 120.00	100.00 (M)
5.279	5.278	0.001	2624149	0.78780	260.9	118.28- 197.13	239.72
5.671	5.671	0.000	2696609	0.70905	234.8	139.37- 232.28	246.34
6.522	6.524	-0.002	1536053	0.36738	121.6	162.70- 271.17	140.32
6.860	6.856	0.004	1896222	0.79350	262.7	94.12- 156.86	173.22
Average of Peak Concentrations =					210.0		

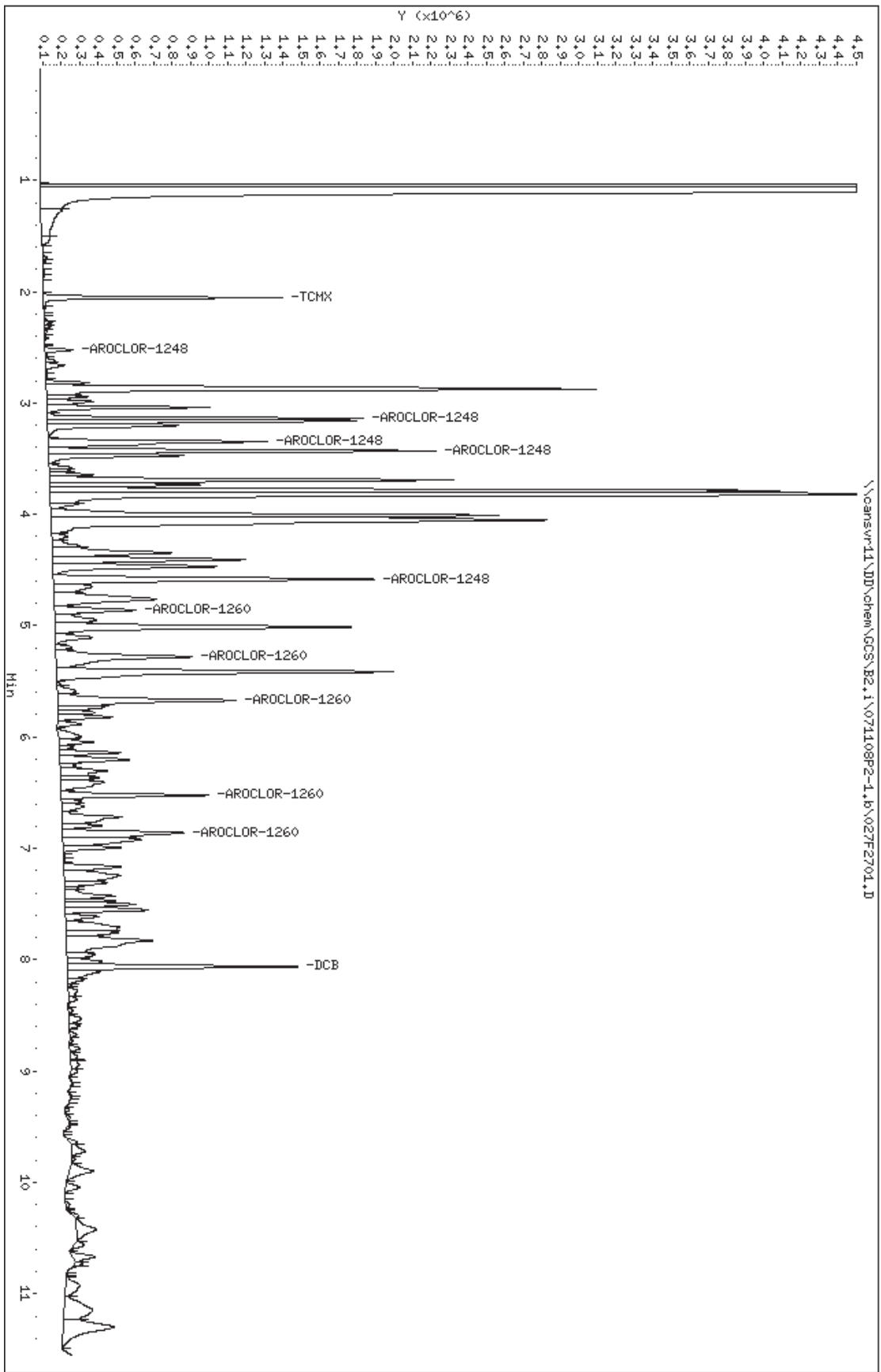
9 DCB				CAS #: 2051-24-3			
8.062	8.062	0.000	2514005	0.06007	19.89		

QC Flag Legend

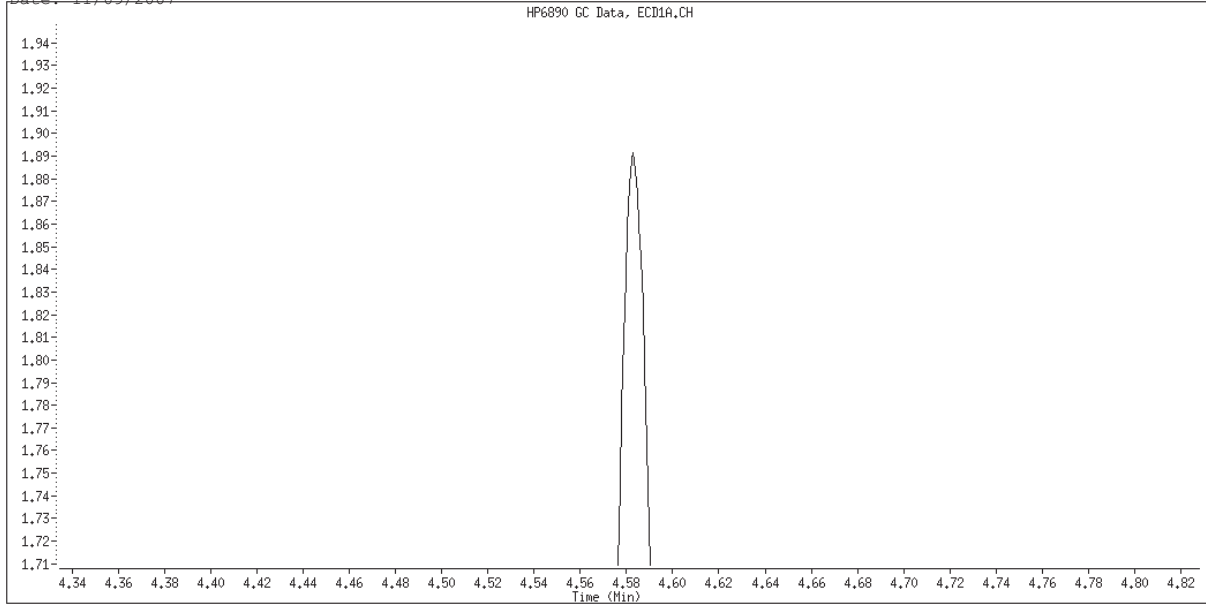
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B2.1\071108P2-1.b\027F2701.D
 Date : 09-NDW-2007 03:54
 Client ID: S-387-110807-4H-261
 Sample Info: KAFD1A0,1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

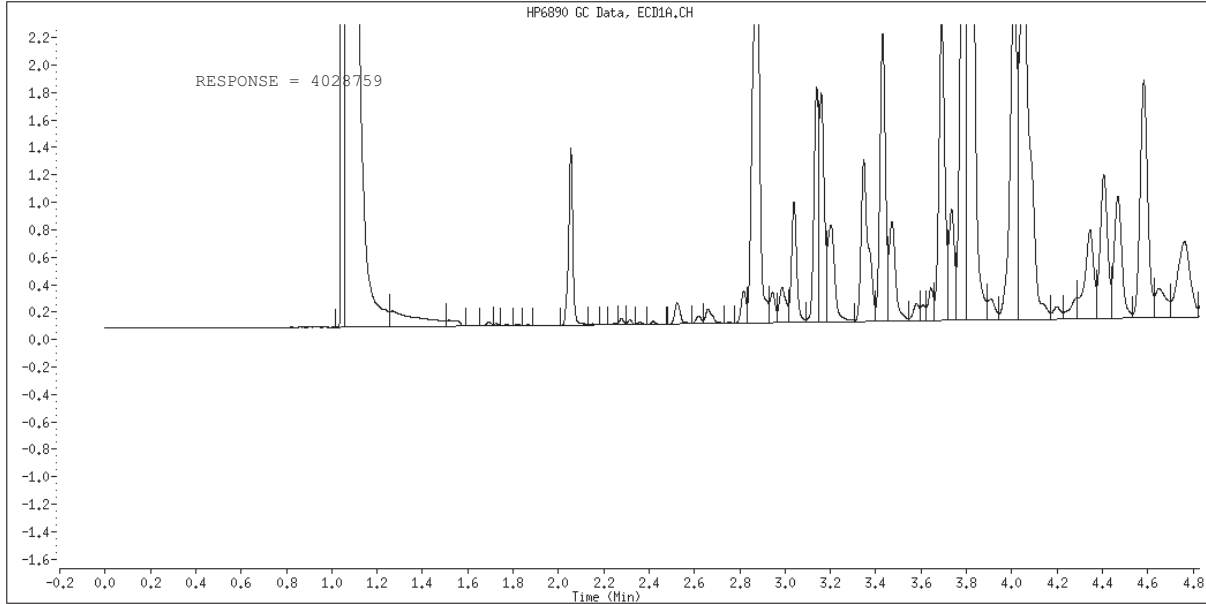
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 09-NOV-2007 03:54
Instrument ID: B2.i
Client ID: S-387-110807-AH-261
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 11/09/2007



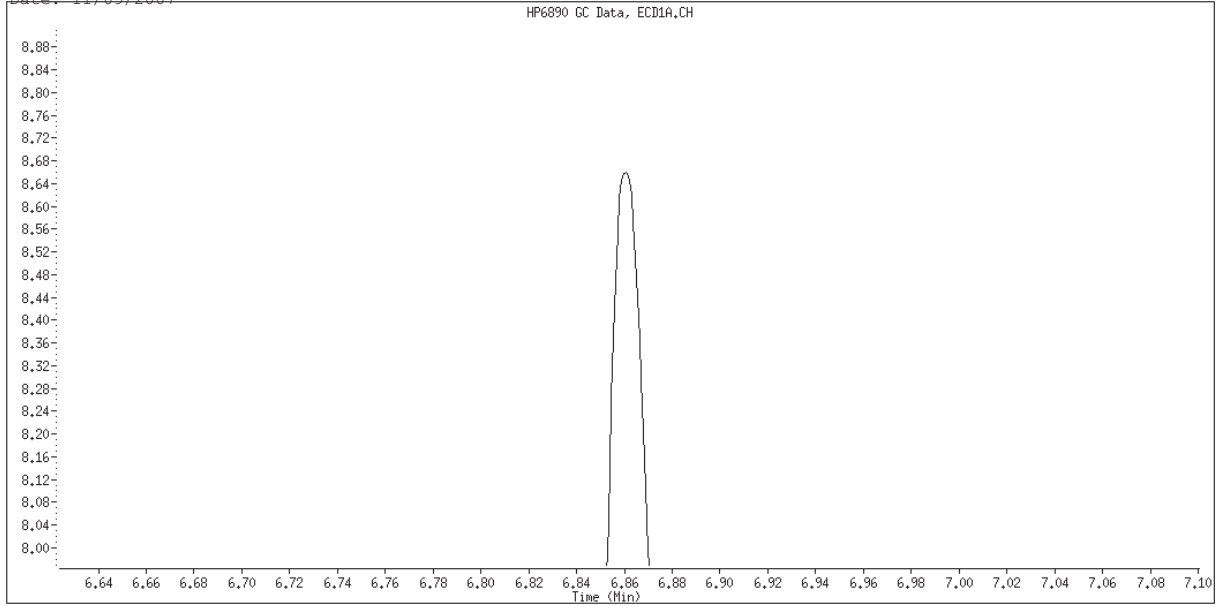
Original Integration



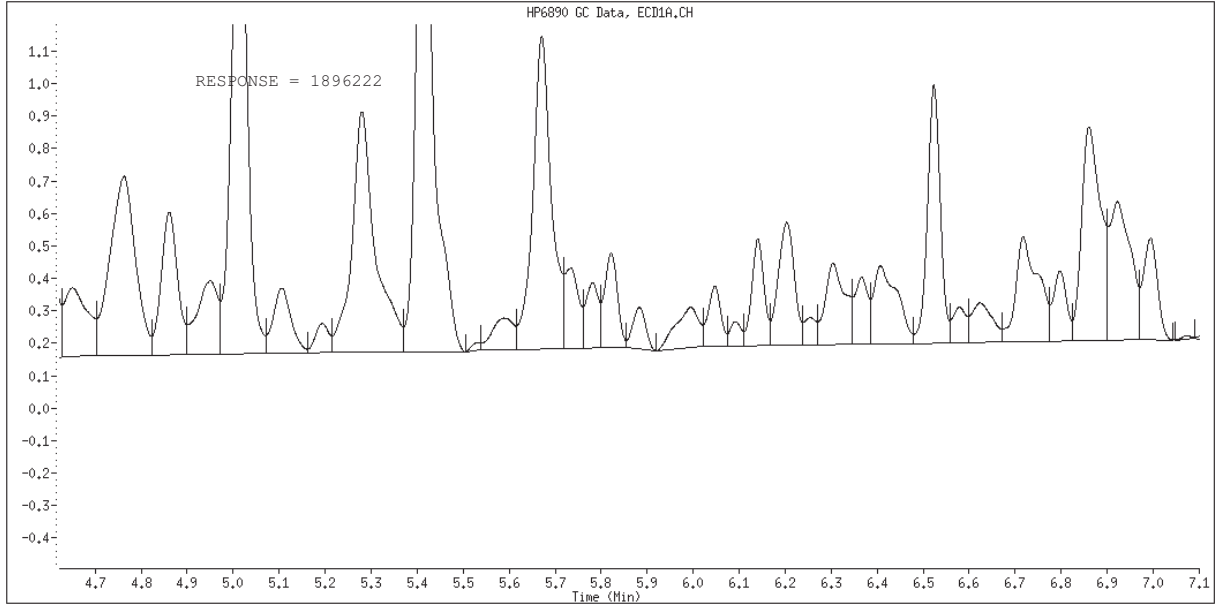
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 027F2701.D
Inj. Date and Time: 09-NOV-2007 03:54
Instrument ID: B2.i
Client ID: S-387-110807-AH-261
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 11/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

•
 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Report Date: 09-Nov-2007 08:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Lab Smp Id: KAVFD1AA Client Smp ID: S-387-110807-AH-261
 Inj Date : 09-NOV-2007 03:54
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFD1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.200	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	19504228	22523959	1.155	24.028	
1.060	35009804	14116819	0.403	15.016	
1.268	1032701	117521	0.114	0.125	
1.518	148512	44149	0.297	0.046	
1.694	41380	25589	0.618	0.027	
1.725	18566	15293	0.824	0.016	
1.772	13036	5128	0.393	0.005	
1.820	11638	8075	0.694	0.008	
1.868	8901	6688	0.751	0.007	
2.055	1673643	1293817	0.773	1.376	\$ 1 TCMX
2.150	18724	8750	0.467	0.009	
2.261	15918	13720	0.862	0.014	
2.279	55529	42121	0.759	0.044	
2.315	42749	34425	0.805	0.036	
2.361	22824	16556	0.725	0.017	
2.419	36136	25381	0.702	0.026	
2.524	279508	156436	0.560	0.166	6 AROCLOR-1248
2.619	88141	52634	0.597	0.055	
2.660	216481	105148	0.486	0.111	
2.751	11242	6634	0.590	0.007	
2.818	351937	232477	0.661	0.247	
2.877	6409568	2971594	0.464	3.160	
2.945	357006	221870	0.621	0.236	
2.987	514242	256076	0.498	0.272	
3.040	1389925	879090	0.632	0.935	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Report Date: 09-Nov-2007 08:05

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.140	2448249	1709073	0.698	1.817	6 AROCLOR-1248
3.160	2469795	1673430	0.678	1.780	
3.203	1552217	705277	0.454	0.750	
3.347	2612951	1182695	0.453	1.258	6 AROCLOR-1248
3.430	3527942	2093618	0.593	2.227	6 AROCLOR-1248
3.472	1397044	726951	0.520	0.773	
3.580	228531	123060	0.538	0.130	
3.610	158526	112343	0.709	0.119	
3.645	388925	236331	0.608	0.251	
3.691	3988950	2185547	0.548	2.324	
3.735	1367529	812255	0.594	0.864	
3.787	6564536	3946095	0.601	4.197	
3.819	11520165	5621038	0.488	5.979	
3.908	325352	150790	0.463	0.160	
4.010	5198649	2423881	0.466	2.578	
4.052	8565511	2682718	0.313	2.853	
4.200	213488	88289	0.414	0.093	
4.286	326882	150315	0.460	0.159	
4.345	1787863	644882	0.361	0.685	
4.407	2381493	1044665	0.439	1.111	
4.469	2130770	886271	0.416	0.942	
4.583	4028759	1733214	0.430	1.843	6 AROCLOR-1248
4.650	737742	210615	0.285	0.224	
4.763	2160995	552771	0.256	0.587	
4.861	1094689	438678	0.401	0.466	8 AROCLOR-1260
4.950	713249	226833	0.318	0.241	
5.013	3797206	1600201	0.421	1.702	
5.107	545485	200145	0.367	0.212	
5.194	182199	89395	0.491	0.095	
5.280	2624149	739148	0.282	0.786	8 AROCLOR-1260
5.413	4652072	1822702	0.392	1.938	
5.529	28681	22058	0.769	0.023	
5.589	314288	96849	0.308	0.103	
5.671	2696610	964069	0.358	1.025	8 AROCLOR-1260
5.735	524705	248121	0.473	0.263	
5.781	386514	200950	0.520	0.213	
5.821	574621	291415	0.507	0.309	
5.884	253008	128351	0.507	0.136	
5.995	431648	124751	0.289	0.132	
6.047	356920	185383	0.519	0.197	
6.092	128414	74995	0.584	0.079	
6.141	627130	328883	0.524	0.349	
6.204	931306	378445	0.406	0.402	
6.255	146161	84075	0.575	0.089	
6.304	753901	251154	0.333	0.267	
6.366	404704	205844	0.509	0.218	
6.407	858758	240281	0.280	0.255	
6.523	1536053	794518	0.517	0.845	8 AROCLOR-1260
6.579	218000	109078	0.500	0.116	
6.624	379754	121297	0.319	0.129	
6.718	1103284	324328	0.294	0.344	
6.798	430085	215710	0.502	0.229	
6.860	1896222	657233	0.347	0.699	8 AROCLOR-1260
6.923	1375700	427246	0.311	0.454	
6.995	665810	313663	0.471	0.333	
7.072	16130	11576	0.718	0.012	
7.103	10206	9185	0.900	0.009	

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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\027F2701.D
 Report Date: 09-Nov-2007 08:05

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.166	768069	310195	0.404	0.329	
7.244	1263078	305653	0.242	0.325	
7.310	515102	230244	0.447	0.244	
7.355	108869	73307	0.673	0.077	
7.427	688642	271804	0.395	0.289	
7.470	458792	269829	0.588	0.287	
7.504	731457	384616	0.526	0.409	
7.555	1058340	445460	0.421	0.473	
7.612	390466	179478	0.460	0.190	
7.709	1163359	288994	0.248	0.307	
7.757	617962	279360	0.452	0.297	
7.828	2245093	468369	0.209	0.498	
7.955	424632	154360	0.364	0.164	
8.015	355126	188571	0.531	0.200	
8.062	2514006	1245341	0.495	1.324	\$ 9 DCB
8.112	461180	173792	0.377	0.184	
8.182	171183	87484	0.511	0.093	
8.223	23512	16992	0.723	0.018	
8.277	184556	51800	0.281	0.055	
8.355	118596	50005	0.422	0.053	
8.458	48465	25454	0.525	0.027	
8.534	204145	65626	0.321	0.069	
8.593	110926	55089	0.497	0.058	
8.670	82959	40299	0.486	0.042	
8.725	38790	19520	0.503	0.020	
8.797	118609	55280	0.466	0.058	
8.871	89337	35709	0.400	0.037	
8.900	39533	31287	0.791	0.033	
8.947	140210	44700	0.319	0.047	
9.002	93348	36079	0.386	0.038	
9.083	8507	5113	0.601	0.005	
9.119	14178	8320	0.587	0.008	
9.218	18291	11194	0.612	0.011	
9.235	9389	7192	0.766	0.007	
9.287	6581	3655	0.555	0.003	
9.350	39127	22278	0.569	0.023	
9.415	25581	12529	0.490	0.013	
9.452	5303	3577	0.675	0.003	
9.502	44919	22292	0.496	0.023	
9.640	106857	40048	0.375	0.042	
9.721	262686	75119	0.286	0.079	
9.795	30646	17765	0.580	0.018	
9.899	553711	133325	0.241	0.141	
10.045	228228	75944	0.333	0.080	
10.202	54072	21842	0.404	0.023	
10.302	77468	29991	0.387	0.031	
10.423	574863	109975	0.191	0.116	
10.561	165029	53953	0.327	0.057	
10.665	341480	120027	0.351	0.127	
10.728	80939	40497	0.500	0.043	
10.830	2564	4428	1.727	0.004	
10.844	3532	5797	1.641	0.006	
10.926	478049	74663	0.156	0.079	
11.148	1209345	151842	0.126	0.161	
11.299	1759803	271716	0.154	0.289	
	=====	=====	=====	=====	
	185342357	94010413		100.000	

Total unknown % height = 86.17

STANDARD DATA

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		
08-OCT-2007 19:36	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11	3-ar1248	


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\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
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Cal Level: 5 , Cal Amount: 2.00000
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08-OCT-2007 19:50 |9-ar2154 |
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08-OCT-2007 18:25 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
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Cal Level: 6 , Cal Amount: 4.00000
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08-OCT-2007 20:04 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
08-OCT-2007 18:39 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
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Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

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09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
08-OCT-2007 19:36 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
08-OCT-2007 16:46 |2-ar1242 |
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08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 14:24 |6-ar1660 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
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Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Calibration File Names:

Level 1: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\027F2701.D
Level 2: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\028F2801.D
Level 3: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\029F2901.D
Level 4: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\030F3001.D
Level 5: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\031F3101.D
Level 6: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\032F3201.D

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD
2 AROCLOR-1221(1)	631630	635680	590104	537818	514074	478597	564650	11.440
(2)	376430	365385	348072	320099	287597	262904	326748	13.734
(3)	1645930	1576660	1440216	1288442	1248275	1185848	1397562	13.371
3 AROCLOR-1016(1)	722330	749335	652596	706183	685606	666803	697142	5.163
(2)	1660950	1633930	1364112	1441096	1433089	1373020	1484366	8.779
(3)	3593310	3328715	2958570	3268445	3373015	3241803	3293976	6.265
(4)	1464140	1500765	1291114	1384743	1406189	1410237	1409531	5.111
(5)	1467660	1496500	1309642	1375307	1390717	1357520	1399558	5.007
4 AROCLOR-1232(1)	1093890	1069290	979002	1116628	1119510	1067918	1074373	4.813
(2)	752910	772530	706382	797164	816986	770574	769424	4.962
(3)	1607240	1718340	1550946	1828584	1912558	1878970	1749440	8.488
(4)	640830	705540	708110	785161	809385	804644	742278	9.145
(5)	630150	654225	648270	729674	751784	723016	689520	7.419
5 AROCLOR-1242(1)	845120	753950	698394	722505	819211	777041	769370	7.296
(2)	1409500	1469515	1342662	1406638	1384966	1320576	1388976	3.818
(3)	3077190	3012860	2867098	3146597	3174883	3132992	3068603	3.724
(4)	1316390	1402135	1305588	1345801	1388889	1351989	1351799	2.833
(5)	1276350	1404550	1290416	1380697	1375376	1357906	1347549	3.865
6 AROCLOR-1248(1)	824630	830520	740680	669486	658067	627044	725071	12.097
(2)	1387580	1333280	1219738	1152706	1155998	1149756	1233176	8.383
(3)	2245010	2165685	2051588	1899906	1918965	1951017	2038695	6.942
(4)	1188210	1161355	1123250	1060243	1056750	1074186	1110666	5.016
(5)	1087160	1142790	1101556	1019714	975721	1070941	1066314	5.615
7 AROCLOR-1254(1)	3441610	3291650	3094026	2877123	2900973	2808995	3069063	8.265
(2)	3895220	3678625	3503072	3286638	3394145	3313098	3511800	6.726
(3)	2944650	2746085	2804792	2591924	2687230	2634447	2734855	4.677
(4)	2595580	2448065	2457700	2228730	2282788	2217339	2371700	6.409
(5)	3969210	3804150	3764462	3482902	3627307	3573391	3703570	4.767

Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Compound	0.10000	0.20000	0.50000	1.000	2.000	4.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
8 AROCLOR-1260 (1)	2213240	2219030	1953660	2111211	2169444	2121944	2131421	4.593
(2)	3420230	3343315	3025928	3329113	3484712	3382534	3330972	4.793
(3)	3682190	3685840	3402928	3877669	4092114	4078182	3803154	6.989
(4)	4084980	3981090	3830818	4282983	4522348	4384508	4181121	6.238
(5)	2448370	2315010	2249732	2378774	2483236	2463049	2389695	3.874
\$ 1 TCMX	38555400	39754300	39457480	45468760	48194105	45711500	42856924	9.515
\$ 9 DCB	41449200	40735400	38289840	42835790	44443760	43341568	41849260	5.235

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
 Report Date: 08-Oct-2007 13:28

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
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 Inj Date : 08-OCT-2007 12:59
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,1
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 08-Oct-2007 13:27 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 12:59 Cal File: 002F0201.D
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX					CAS #: 877-09-8		
2.061	2.061	0.000	385554	0.01000	0.01000			

3 AROCLOR-1016 CAS #: 12674-11-2								
2.285	2.285	0.000	72233	0.10000	0.1000	0.00-	0.00	100.00
2.532	2.532	0.000	166095	0.10000	0.1000	0.00-	0.00	229.94
2.885	2.885	0.000	359331	0.10000	0.1000	0.00-	0.00	497.46
2.996	2.996	0.000	146414	0.10000	0.1000	0.00-	0.00	202.70
3.357	3.357	0.000	146766	0.10000	0.1000	0.00-	0.00	203.18
Average of Peak Amounts =			0.10000					

8 AROCLOR-1260 CAS #: 11096-82-5								
4.879	4.879	0.000	221324	0.10000	0.1000	0.00-	0.00	100.00 (M)
5.294	5.294	0.000	342023	0.10000	0.1000	0.00-	0.00	154.53
5.687	5.687	0.000	368219	0.10000	0.1000	0.00-	0.00	166.37
6.537	6.537	0.000	408498	0.10000	0.1000	0.00-	0.00	184.57
6.868	6.868	0.000	244837	0.10000	0.1000	0.00-	0.00	110.62
Average of Peak Amounts =			0.10000					

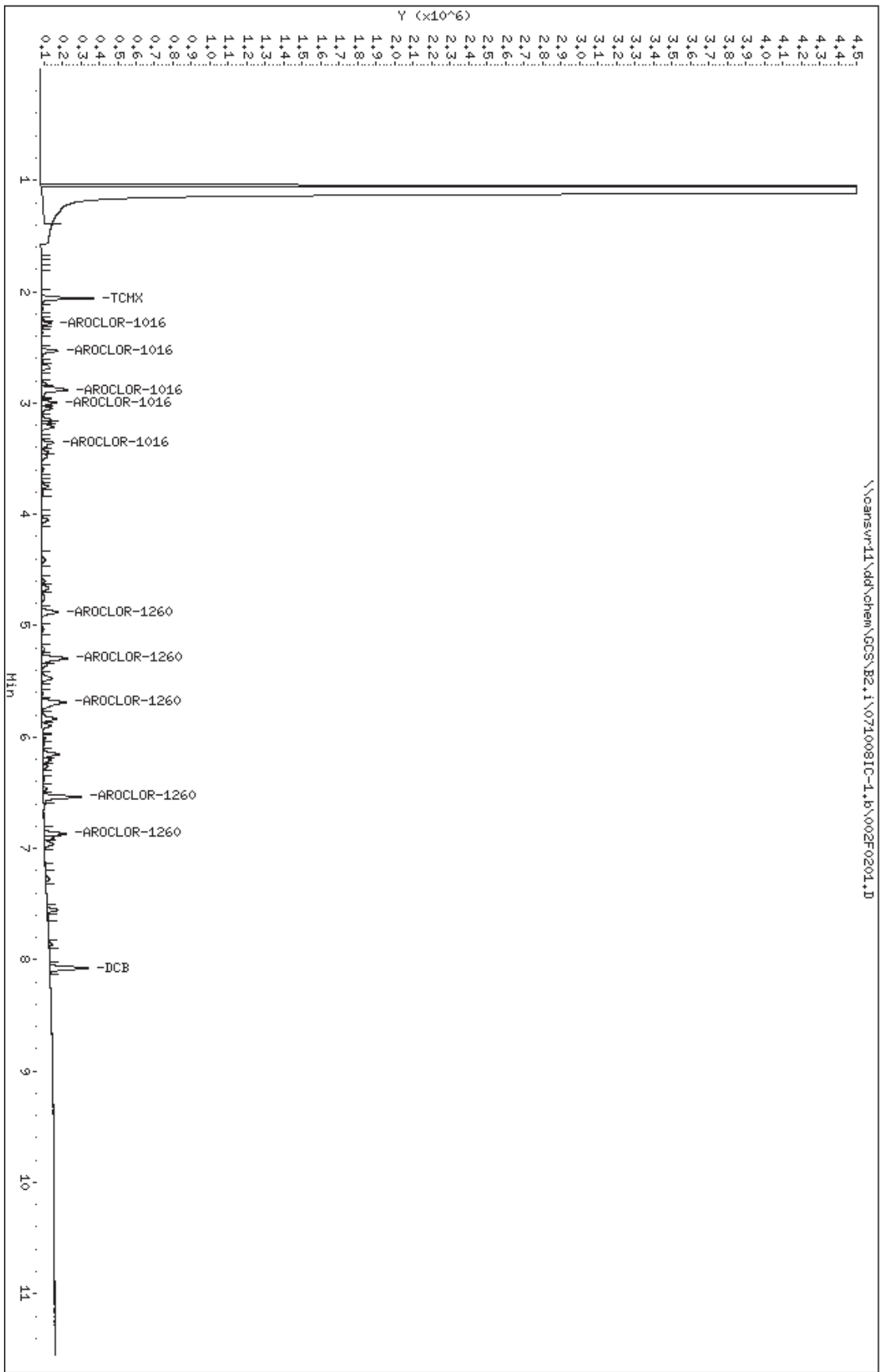
\$ 9 DCB CAS #: 2051-24-3								
8.076	8.076	0.000	414492	0.01000	0.01000			

QC Flag Legend

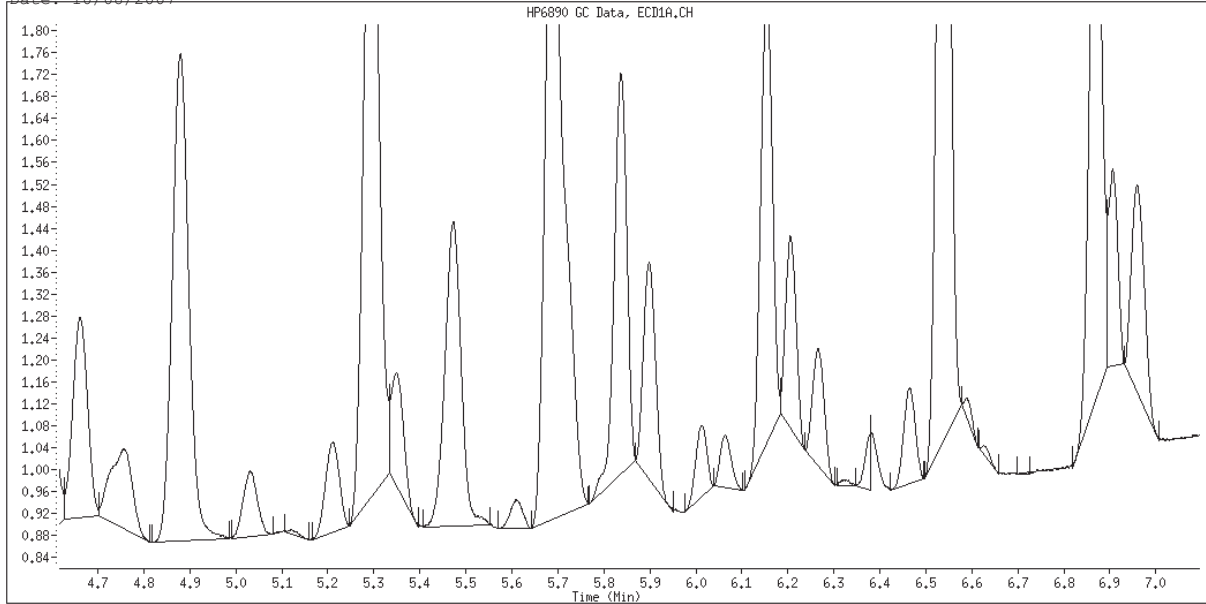
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\002F0201.D
 Date : 08-OCT-2007 12:59
 Client ID:
 Sample Info: 1660,1,1
 Column phase: restek pest c1p1

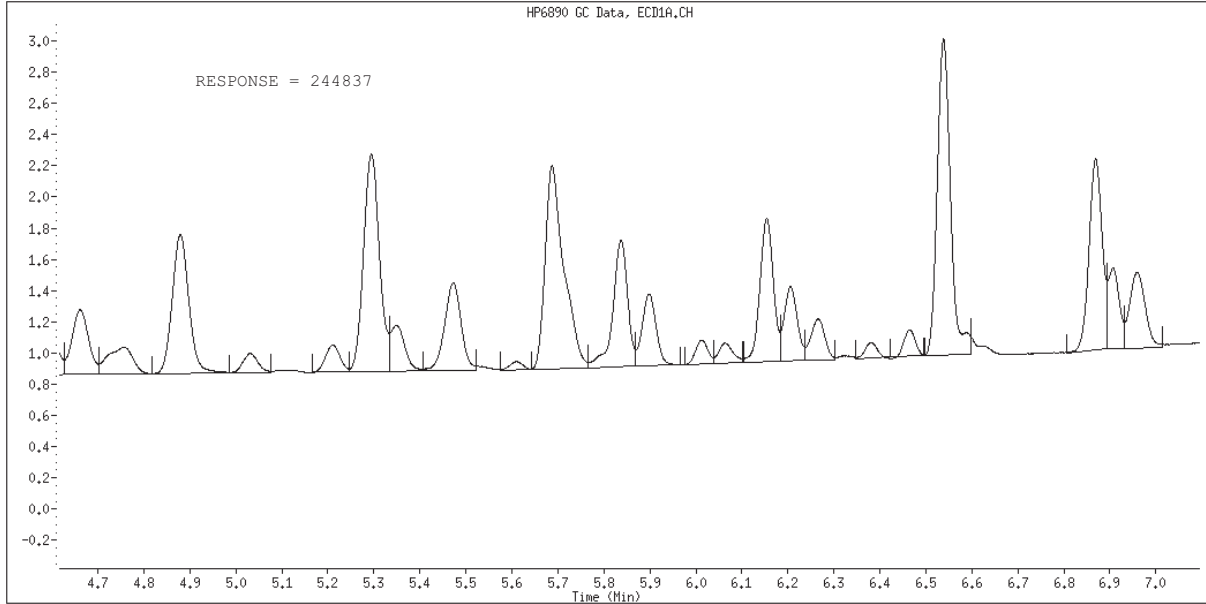
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 002F0201.D
Inj. Date and Time: 08-OCT-2007 12:59
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/08/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:13
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,2
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:13 Cal File: 003F0301.D
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.061	2.061	0.000	795086	0.02000	0.01855		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.285	2.285	0.000	149867	0.20000	0.2025	75.00-	125.00
						100.00(M)	
2.531	2.531	0.000	326786	0.20000	0.2202	129.14-	215.24
						196.97	
2.884	2.884	0.000	665743	0.20000	0.2021	292.90-	488.16
						401.28	
2.996	2.996	0.000	300153	0.20000	0.2129	124.09-	206.82
						180.92	
3.357	3.357	0.000	299300	0.20000	0.2138	123.25-	205.41
						180.40	
Average of Peak Amounts =			0.21030				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.878	4.878	0.000	443806	0.20000	0.2087	75.00-	125.00
						100.00(M)	
5.293	5.293	0.000	668663	0.20000	0.2010	118.27-	197.11
						150.67	
5.686	5.686	0.000	737168	0.20000	0.1940	137.75-	229.59
						166.10	
6.537	6.537	0.000	796218	0.20000	0.1905	152.15-	253.59
						179.41	
6.869	6.869	0.000	463002	0.20000	0.1937	84.51-	140.84
						104.33	
Average of Peak Amounts =			0.19758				

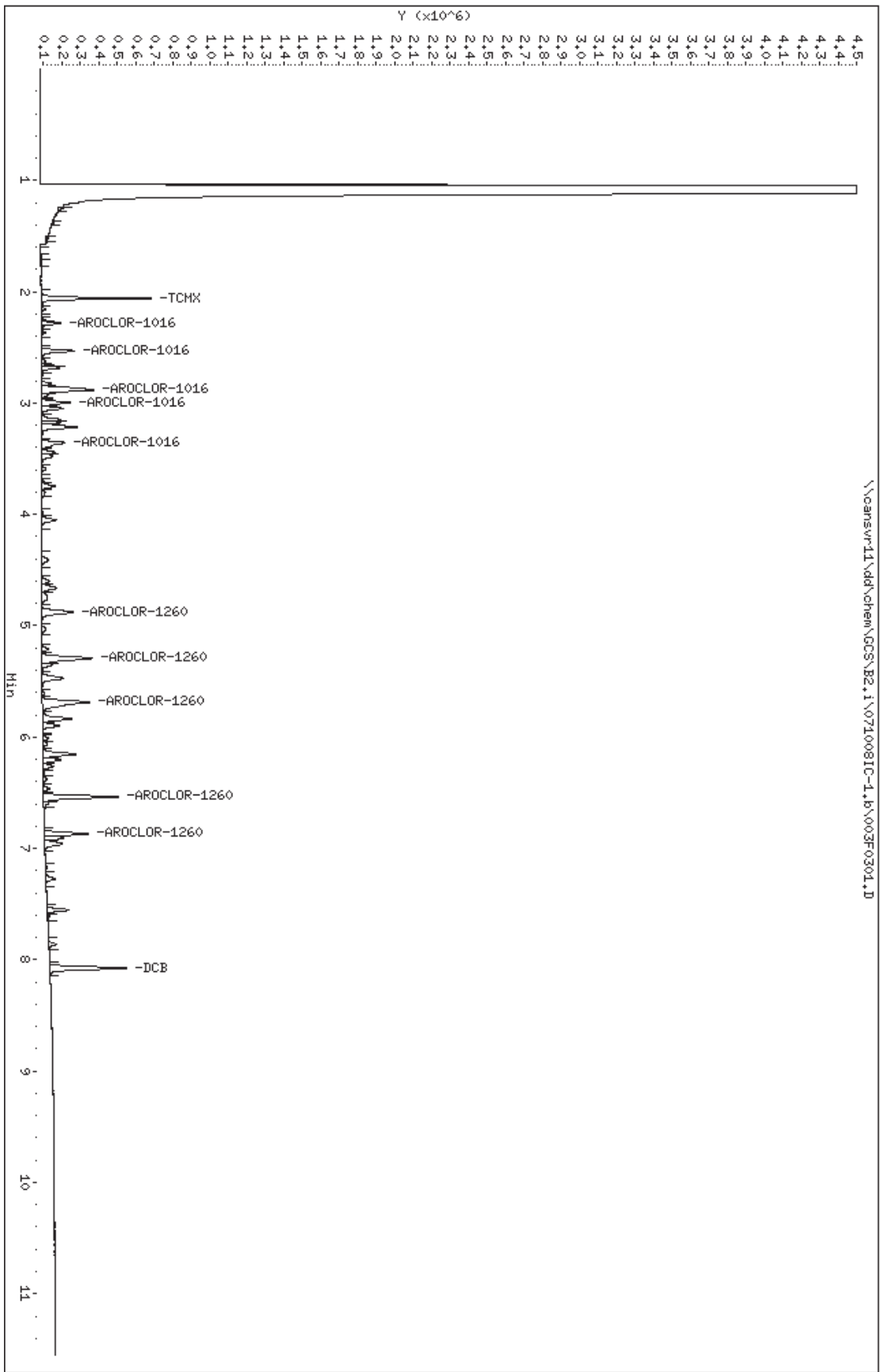
\$ 9 DCB CAS #: 2051-24-3							
8.076	8.076	0.000	814708	0.02000	0.01947		

QC Flag Legend

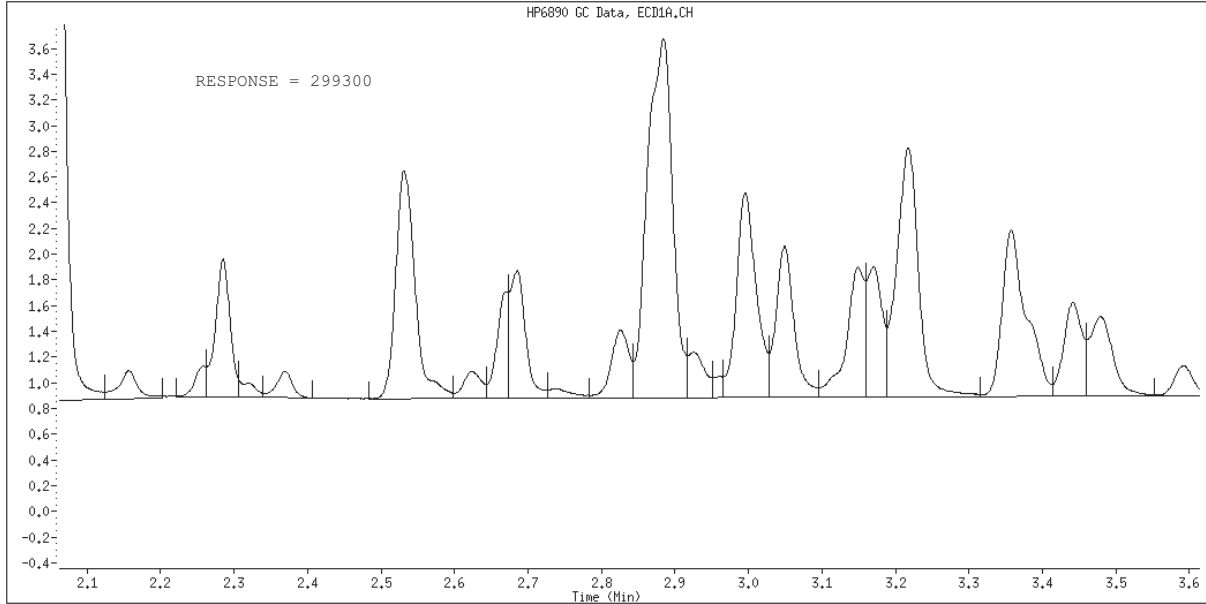
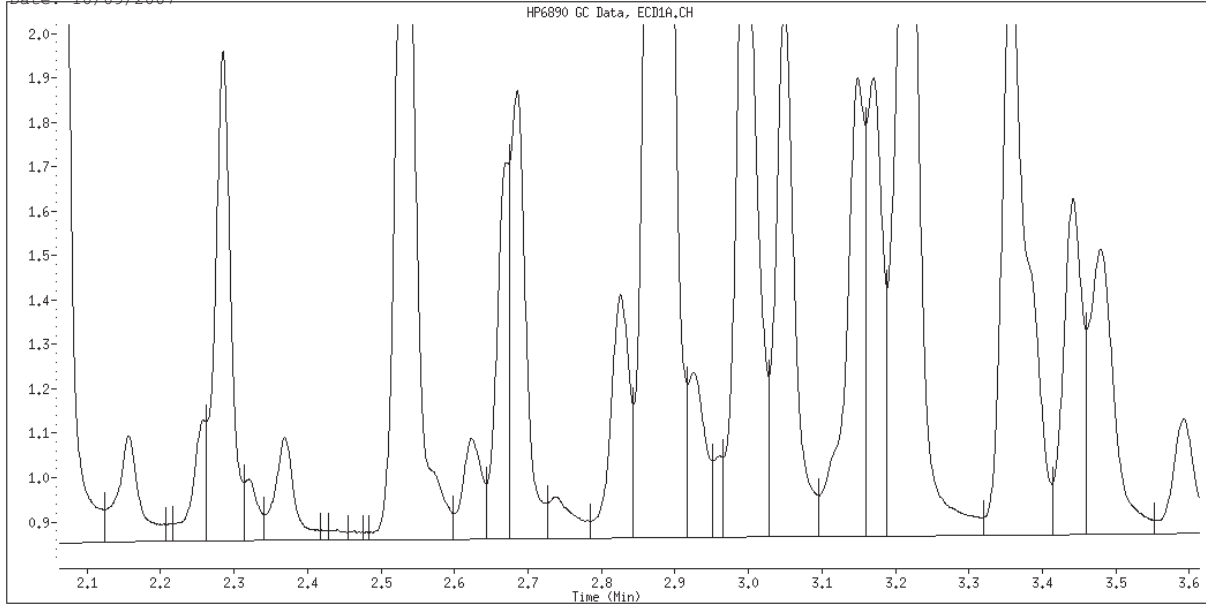
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\003F0301.D
 Date : 08-OCT-2007 13:13
 Client ID:
 Sample Info: 1660,1,2
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53

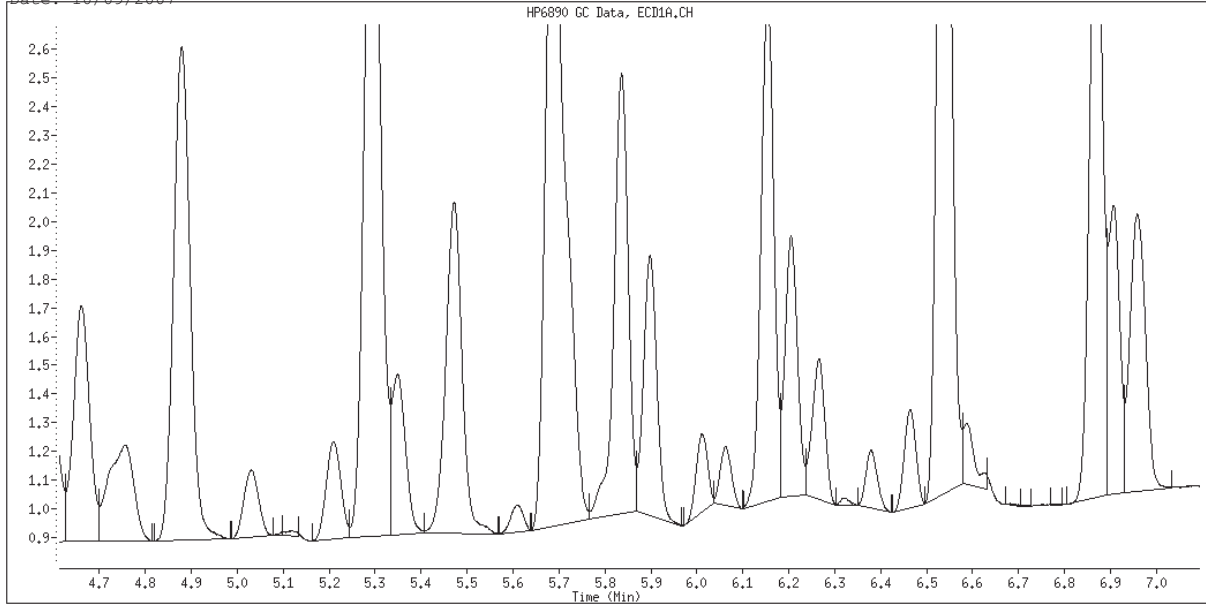


Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007

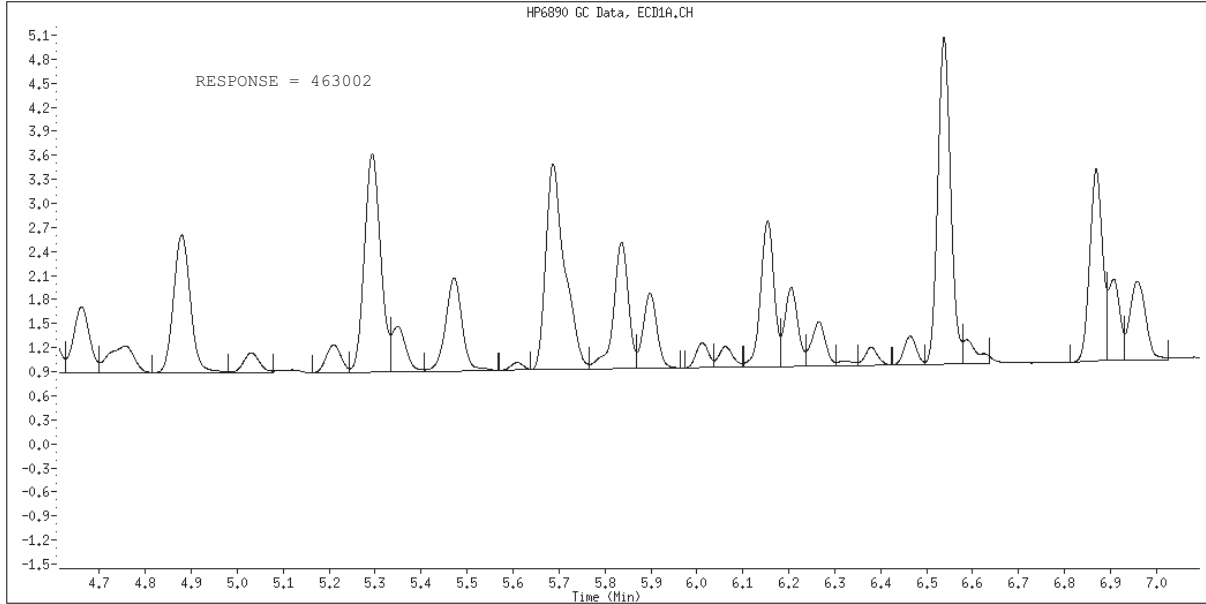


Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:27
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,3
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:27 Cal File: 004F0401.D
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	1972874	0.05000	0.04603	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.284	2.284	0.000	326298	0.50000	0.4331 75.00- 125.00	100.00
2.530	2.530	0.000	682056	0.50000	0.4595 129.14- 215.24	209.03
2.883	2.883	0.000	1479285	0.50000	0.4491 292.90- 488.16	453.35
2.994	2.994	0.000	645557	0.50000	0.4580 124.09- 206.82	197.84
3.356	3.356	0.000	654821	0.50000	0.4679 123.25- 205.41	200.68
Average of Peak Amounts =			0.45352			

8 AROCLOR-1260 CAS #: 11096-82-5						
4.877	4.877	0.000	976830	0.50000	0.4593 75.00- 125.00	100.00 (M)
5.292	5.292	0.000	1512964	0.50000	0.4548 118.27- 197.11	154.89
5.686	5.686	0.000	1701464	0.50000	0.4479 137.75- 229.59	174.18
6.536	6.536	0.000	1915409	0.50000	0.4584 152.15- 253.59	196.08
6.867	6.867	0.000	1124866	0.50000	0.4705 84.51- 140.84	115.15
Average of Peak Amounts =			0.45818			

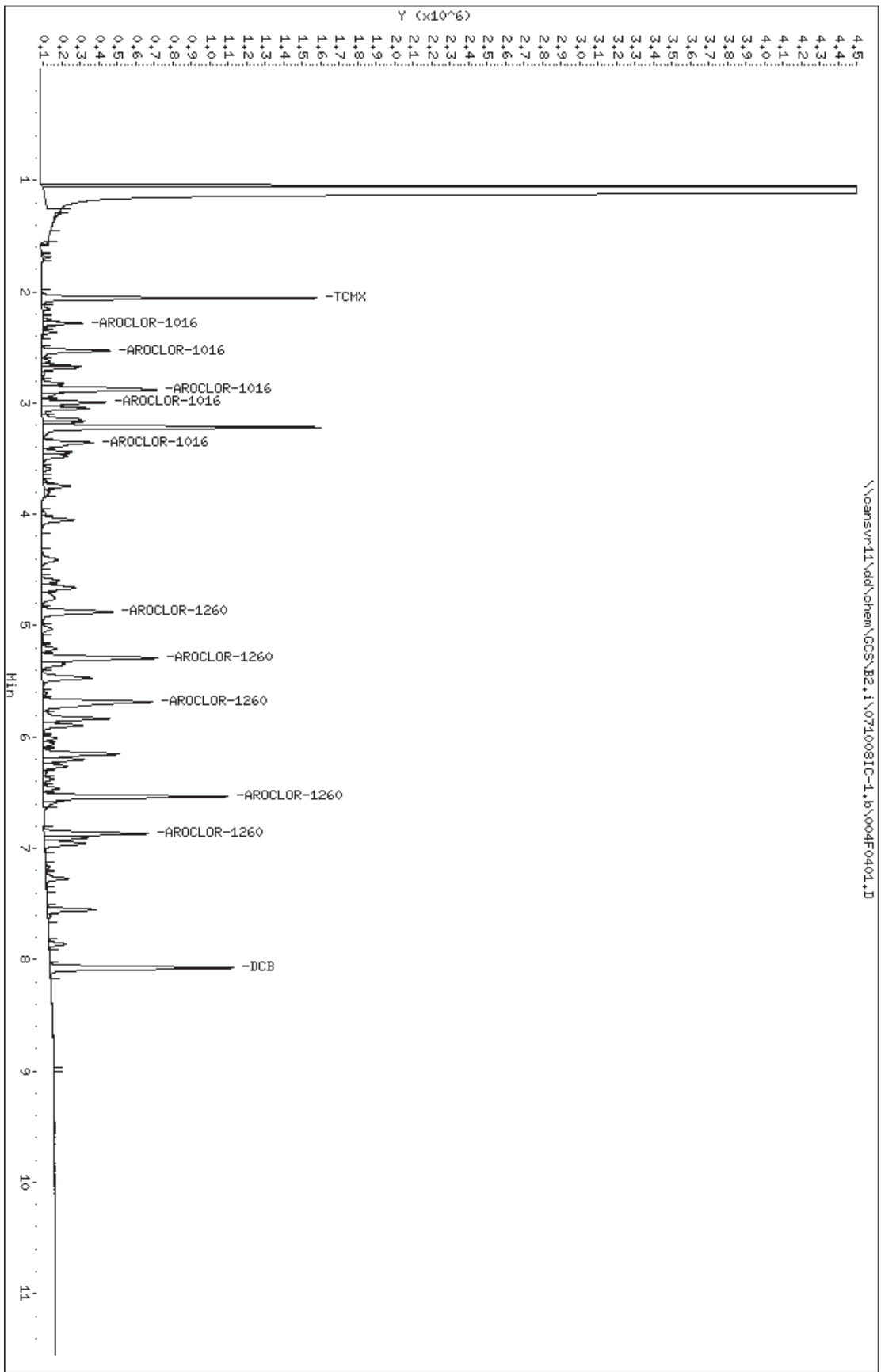
\$ 9	DCB				CAS #: 2051-24-3	
8.073	8.073	0.000	1914492	0.05000	0.04575	

QC Flag Legend

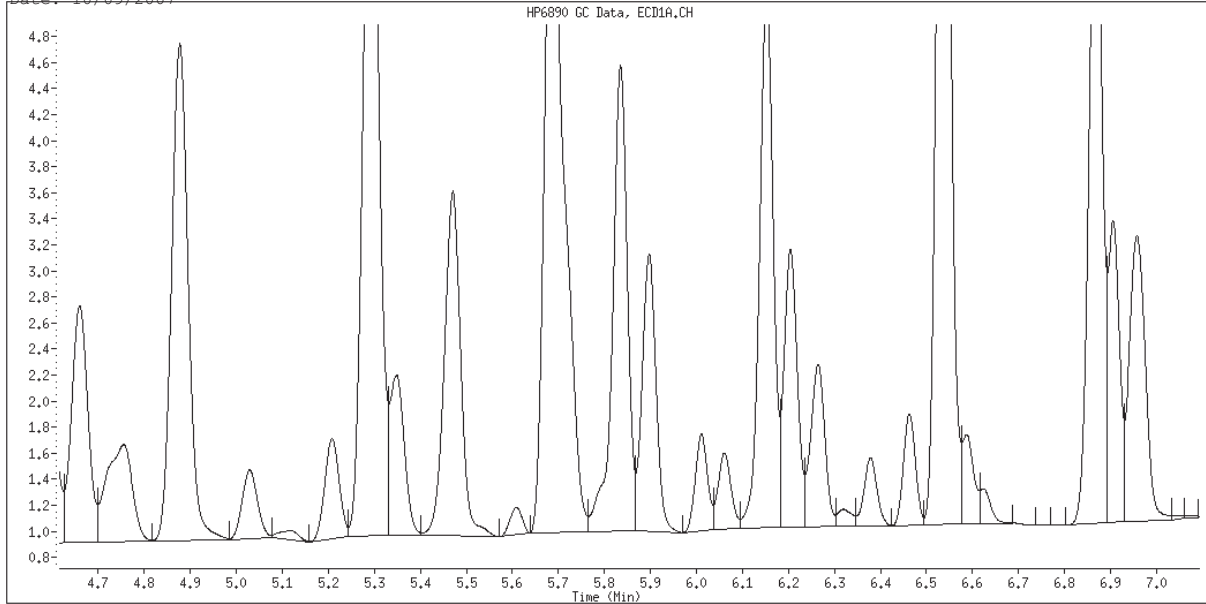
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\004F0401.D
 Date: 08-OCT-2007 13:27
 Client ID:
 Sample Info: 1660, 1.3
 Column phase: restek pest c1p1

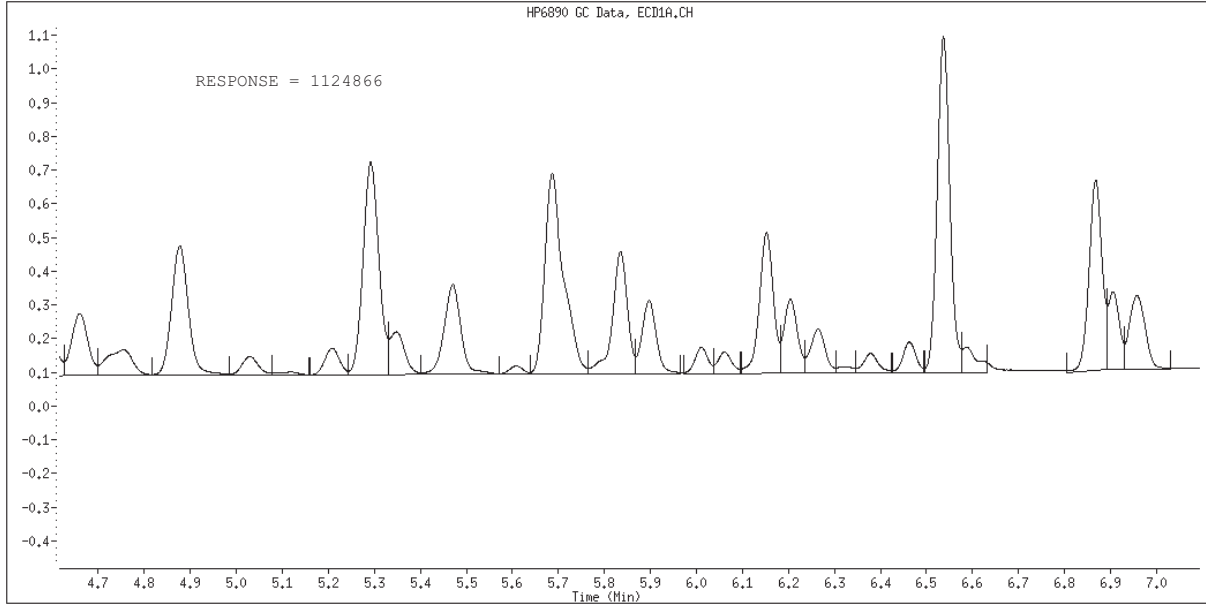
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 004F0401.D
Inj. Date and Time: 08-OCT-2007 13:27
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Report Date: 09-Oct-2007 12:36

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:42
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,4
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:42 Cal File: 005F0501.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	4546876	0.10000	0.1061	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.284	2.284	0.000	706183	1.00000	1.013 80.00- 120.00	100.00(M)
2.531	2.531	0.000	1441096	1.00000	0.9708 153.05- 255.09	204.07
2.884	2.884	0.000	3268445	1.00000	0.9922 347.12- 578.54	462.83
2.995	2.995	0.000	1384743	1.00000	0.9824 147.07- 245.11	196.09
3.356	3.356	0.000	1375307	1.00000	0.9827 146.06- 243.44	194.75
Average of Peak Amounts =			0.98822			

8 AROCLOR-1260 CAS #: 11096-82-5						
4.878	4.878	0.000	2111211	1.00000	0.9905 80.00- 120.00	100.00
5.292	5.292	0.000	3329113	1.00000	0.9994 118.27- 197.11	157.69
5.685	5.685	0.000	3877669	1.00000	1.020 137.75- 229.59	183.67
6.536	6.536	0.000	4282983	1.00000	1.024 152.15- 253.59	202.87
6.868	6.868	0.000	2378774	1.00000	0.9954 84.51- 140.84	112.67
Average of Peak Amounts =			1.00586			

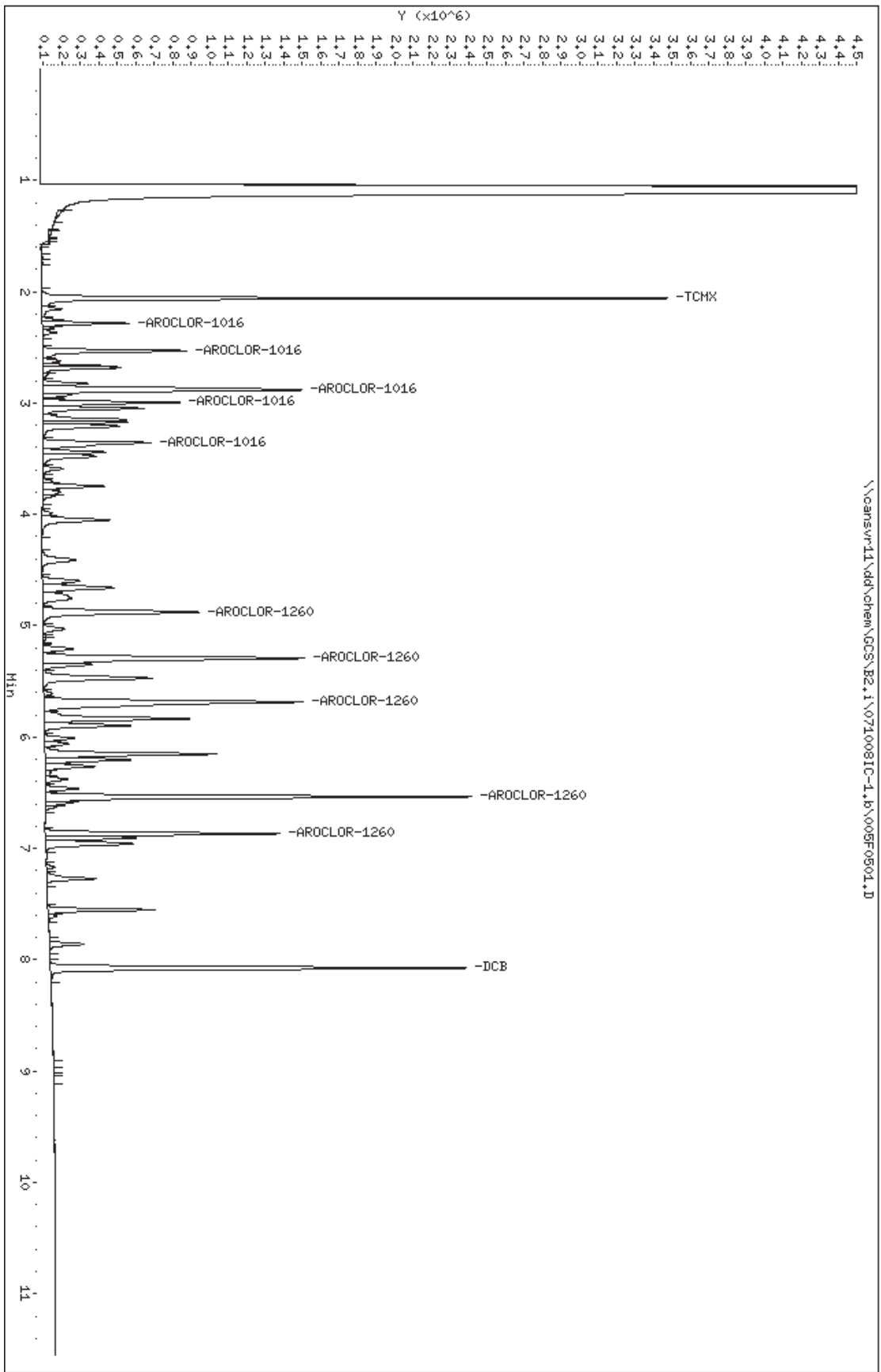
\$ 9	DCB				CAS #: 2051-24-3	
8.074	8.074	0.000	4283579	0.10000	0.1024	

QC Flag Legend

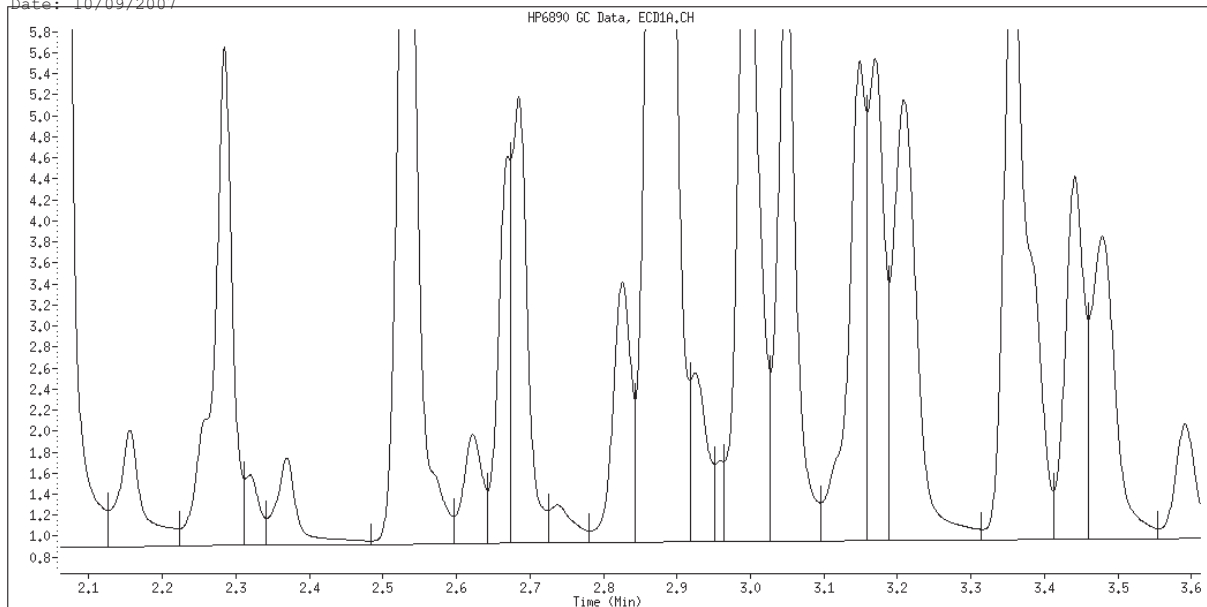
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\005F0501.D
 Date: 08-OCT-2007 13:42
 Client ID:
 Sample Info: 1660,1,4
 Column phase: restek pest c1p1

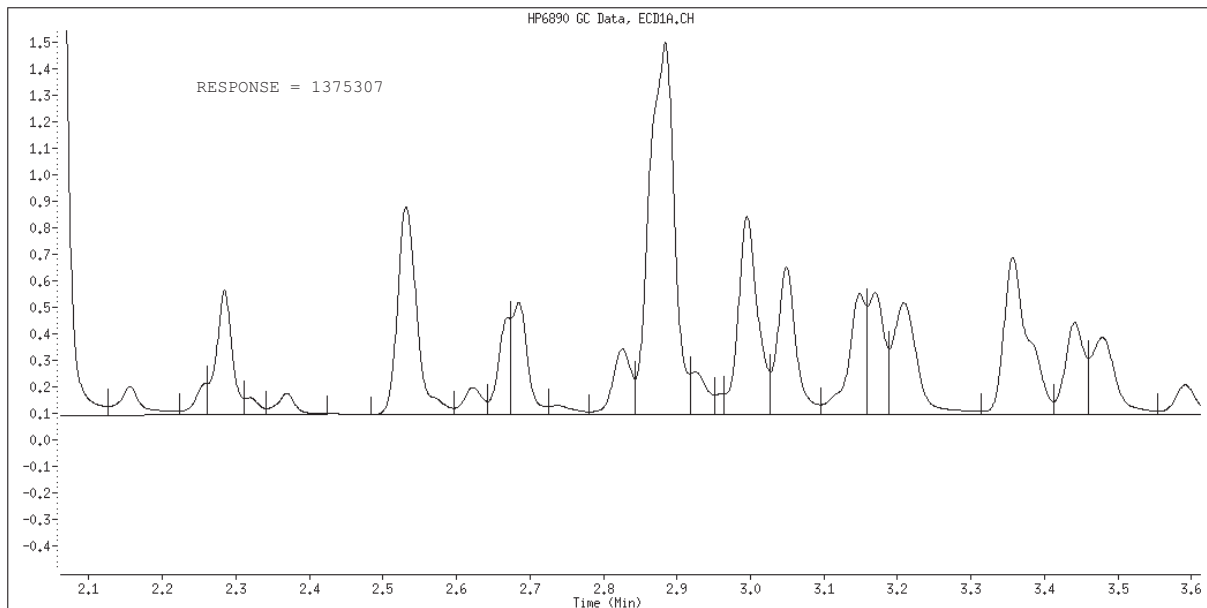
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 005F0501.D
Inj. Date and Time: 08-OCT-2007 13:42
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Report Date: 09-Oct-2007 10:06

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:56
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,5
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:56 Cal File: 006F0601.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	9638821	0.20000	0.2249	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.283	2.283	0.000	1371211	2.00000	2.199 75.00- 125.00	100.00
2.530	2.530	0.000	2866178	2.00000	1.931 781.00-1301.66	209.03
2.883	2.883	0.000	6746029	2.00000	2.048 1771.32-2952.20	491.98
2.993	2.993	0.000	2812377	2.00000	1.995 750.46-1250.76	205.10
3.355	3.355	0.000	2781434	2.00000	1.987 745.34-1242.24	202.85
Average of Peak Amounts =			2.03200			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.875	4.875	0.000	4338888	2.00000	2.036 75.00- 125.00	100.00 (M)
5.290	5.290	0.000	6969424	2.00000	2.092 118.27- 197.11	160.63
5.684	5.684	0.000	8184228	2.00000	2.152 137.75- 229.59	188.62
6.535	6.535	0.000	9044695	2.00000	2.163 152.15- 253.59	208.46
6.866	6.866	0.000	4966472	2.00000	2.078 84.51- 140.84	114.46
Average of Peak Amounts =			2.10420			

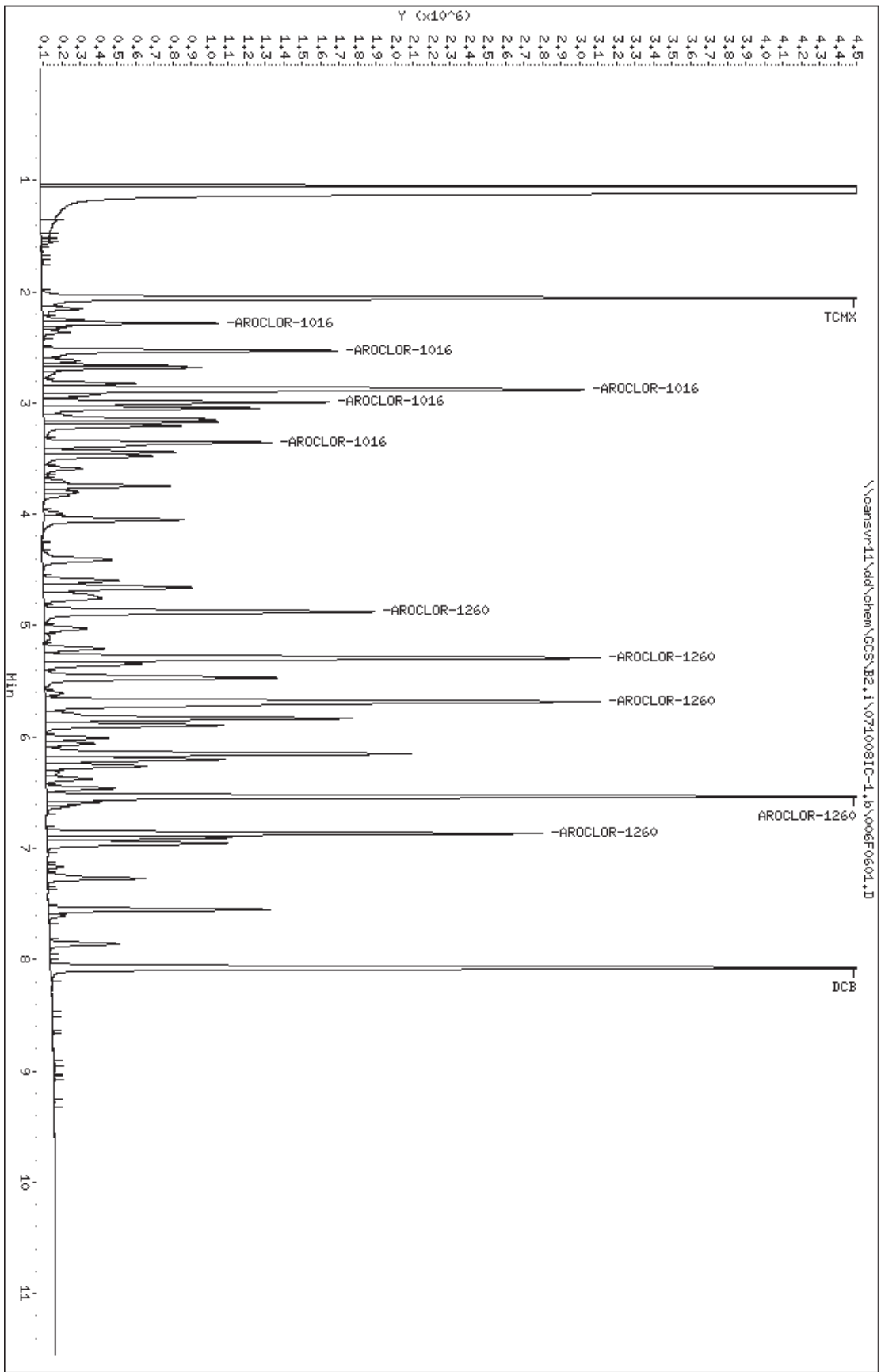
\$ 9	DCB				CAS #: 2051-24-3	
8.072	8.072	0.000	8888752	0.20000	0.2124	

QC Flag Legend

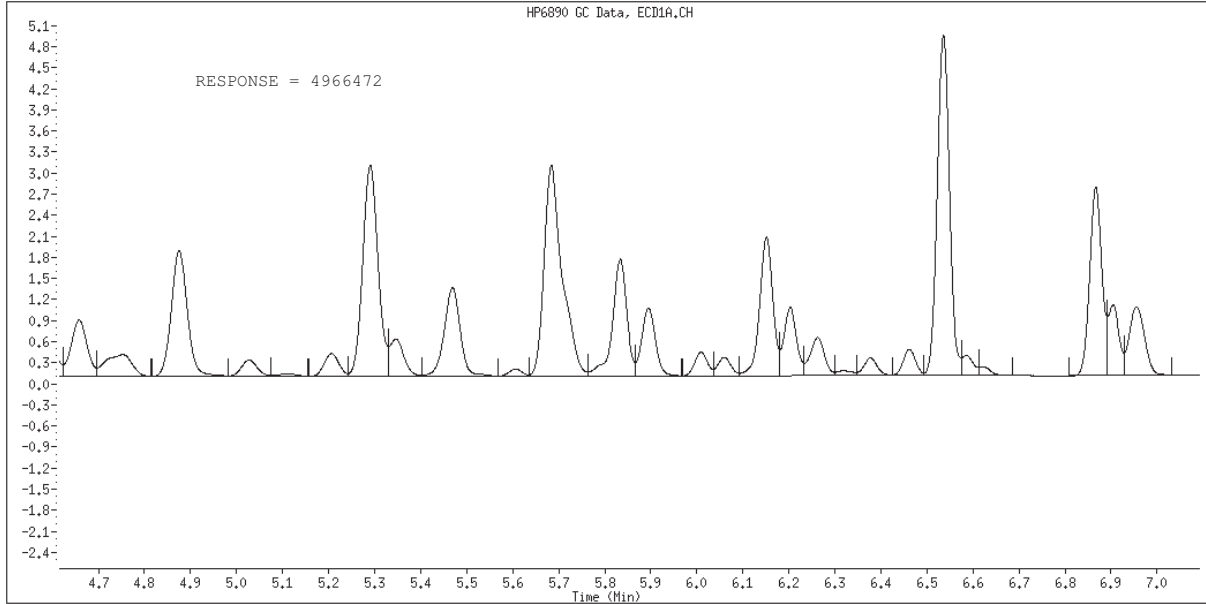
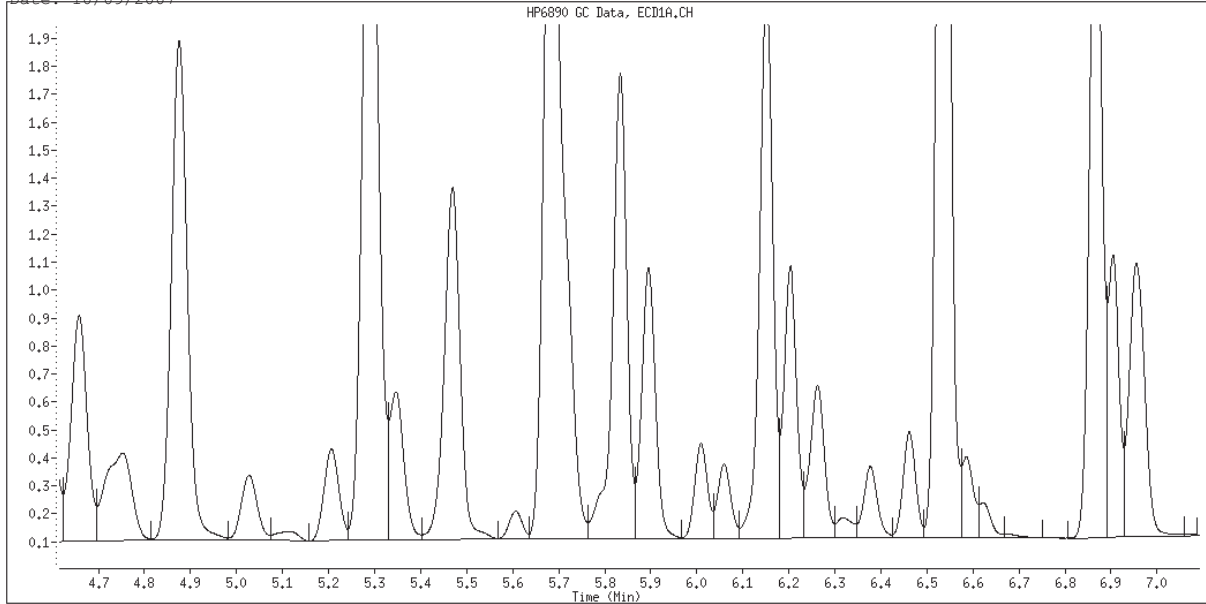
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\006F0601.D
 Date : 08-OCT-2007 13:56
 Client ID:
 Sample Info: 1660, 1.5
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 006F0601.D
Inj. Date and Time: 08-OCT-2007 13:56
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Report Date: 09-Oct-2007 10:07

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:10
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,6
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.058	2.058	0.000	18284600	0.40000	0.4266	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.283	2.283	0.000	2667210	4.00000	4.427 75.00- 125.00	100.00 (M)
2.529	2.529	0.000	5492081	4.00000	3.700 781.00-1301.66	205.91
2.882	2.882	0.000	12967212	4.00000	3.937 1771.32-2952.20	486.17
2.993	2.993	0.000	5640947	4.00000	4.002 750.46-1250.76	211.49
3.354	3.354	0.000	5430080	4.00000	3.880 745.34-1242.24	203.59
Average of Peak Amounts =			3.98920			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.873	4.873	0.000	8487775	4.00000	3.982 75.00- 125.00	100.00
5.289	5.289	0.000	13530137	4.00000	4.062 118.27- 197.11	159.41
5.682	5.682	0.000	16312729	4.00000	4.289 137.75- 229.59	192.19
6.533	6.533	0.000	17538030	4.00000	4.194 152.15- 253.59	206.63
6.865	6.865	0.000	9852194	4.00000	4.123 84.51- 140.84	116.08
Average of Peak Amounts =			4.13000			

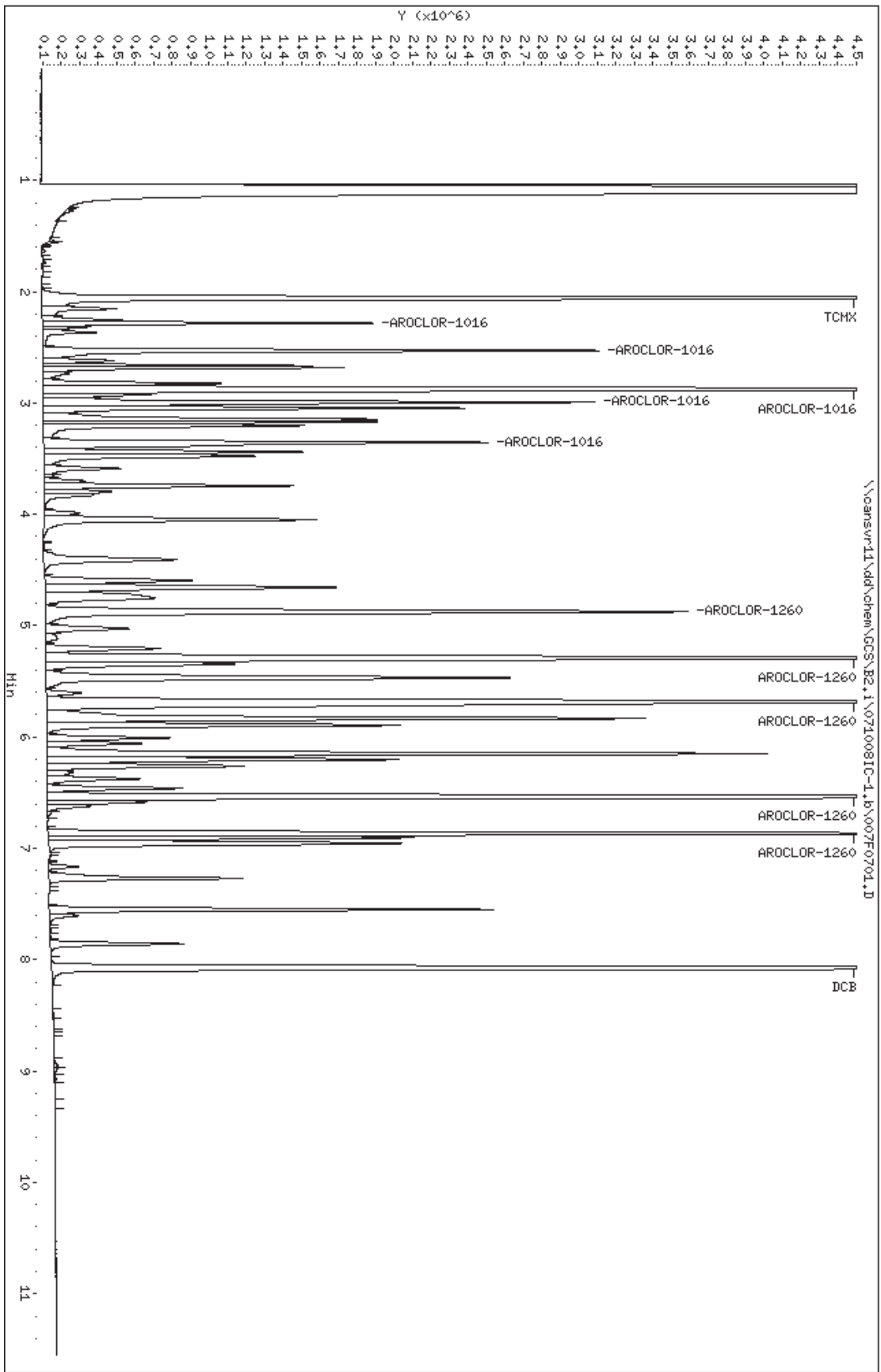
\$ 9	DCB				CAS #: 2051-24-3	
8.072	8.072	0.000	17336627	0.40000	0.4143	

QC Flag Legend

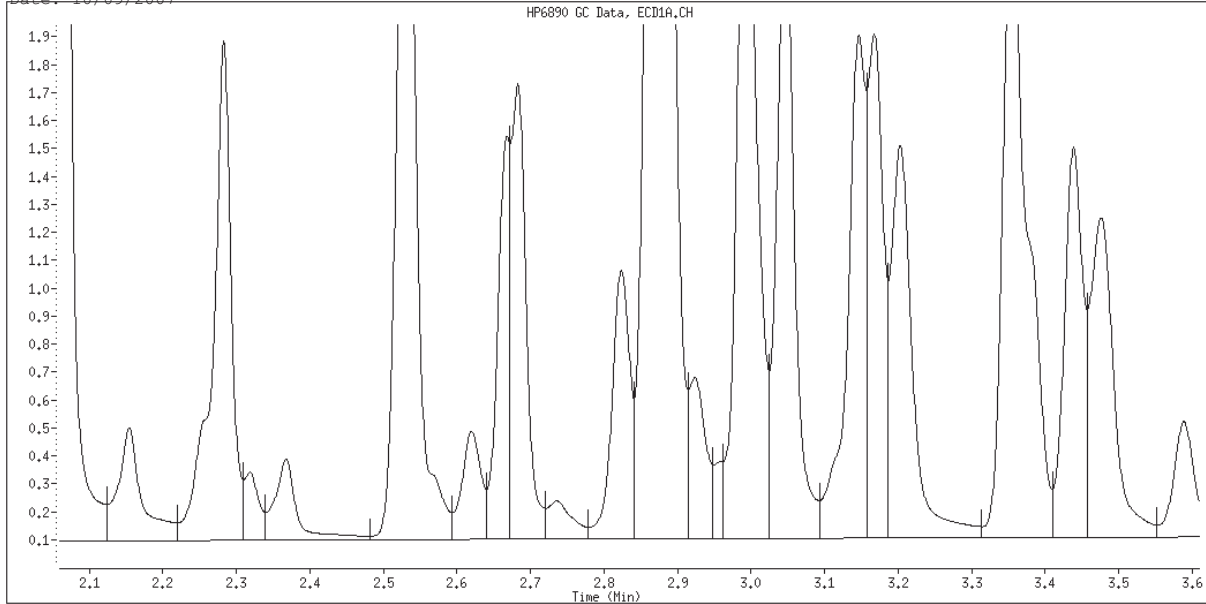
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\007F0701.D
 Date: 08-OCT-2007 14:10
 Client ID:
 Sample Info: 1660,1.6
 Column phase: restek pest c1p1

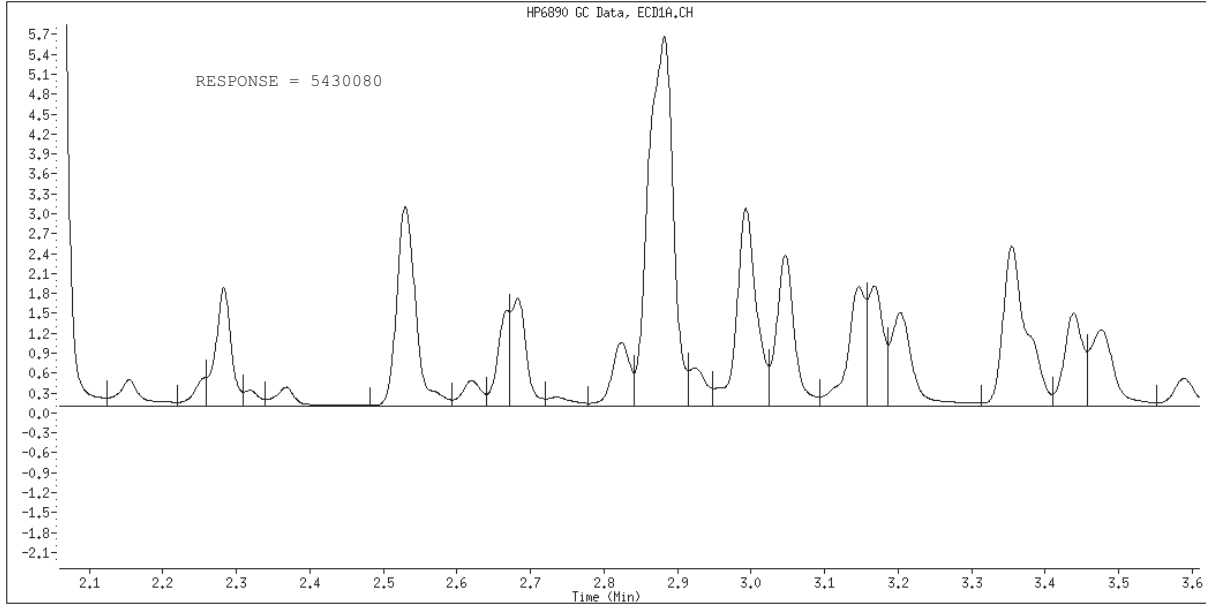
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 007F0701.D
Inj. Date and Time: 08-OCT-2007 14:10
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 08-OCT-2007 14:24
 Lab File ID: 008F0801.D Init. Cal. Date(s): 08-OCT-2007 08-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 14:10
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
3 AROCLOR-1016(1)	602510	699456	0.010	-16.09039	15.00000		Averaged|<-
(2)	1484366	1533979	0.010	-3.34236	15.00000		Averaged|
(3)	3293976	3492185	0.010	-6.01731	15.00000		Averaged|
(4)	1409531	1479752	0.010	-4.98185	15.00000		Averaged|
(5)	1399558	1463925	0.010	-4.59912	15.00000		Averaged|
8 AROCLOR-1260(1)	2131421	2278382	0.010	-6.89495	15.00000		Averaged|
(2)	3330972	3577062	0.010	-7.38793	15.00000		Averaged|
(3)	3803154	4013170	0.010	-5.52216	15.00000		Averaged|
(4)	4181121	4573023	0.010	-9.37313	15.00000		Averaged|
(5)	2389695	2549412	0.010	-6.68357	15.00000		Averaged|

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 6-ar1660.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:25 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 8 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 6-ar1660.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	
3 AROCLOR-1016			CAS #: 12674-11-2					
2.282	2.282	0.000	699456 1.00000	1.161	80.00- 120.00	100.00	(M)	
2.529	2.529	0.000	1533979 1.00000	1.033	164.48- 274.14	219.31		
2.881	2.881	0.000	3492185 1.00000	1.060	374.45- 624.09	499.27		
2.992	2.992	0.000	1479752 1.00000	1.050	158.67- 264.45	211.56		
3.354	3.354	0.000	1463925 1.00000	1.046	156.97- 261.62	209.29		
Average of Peak Amounts =			1.07000					

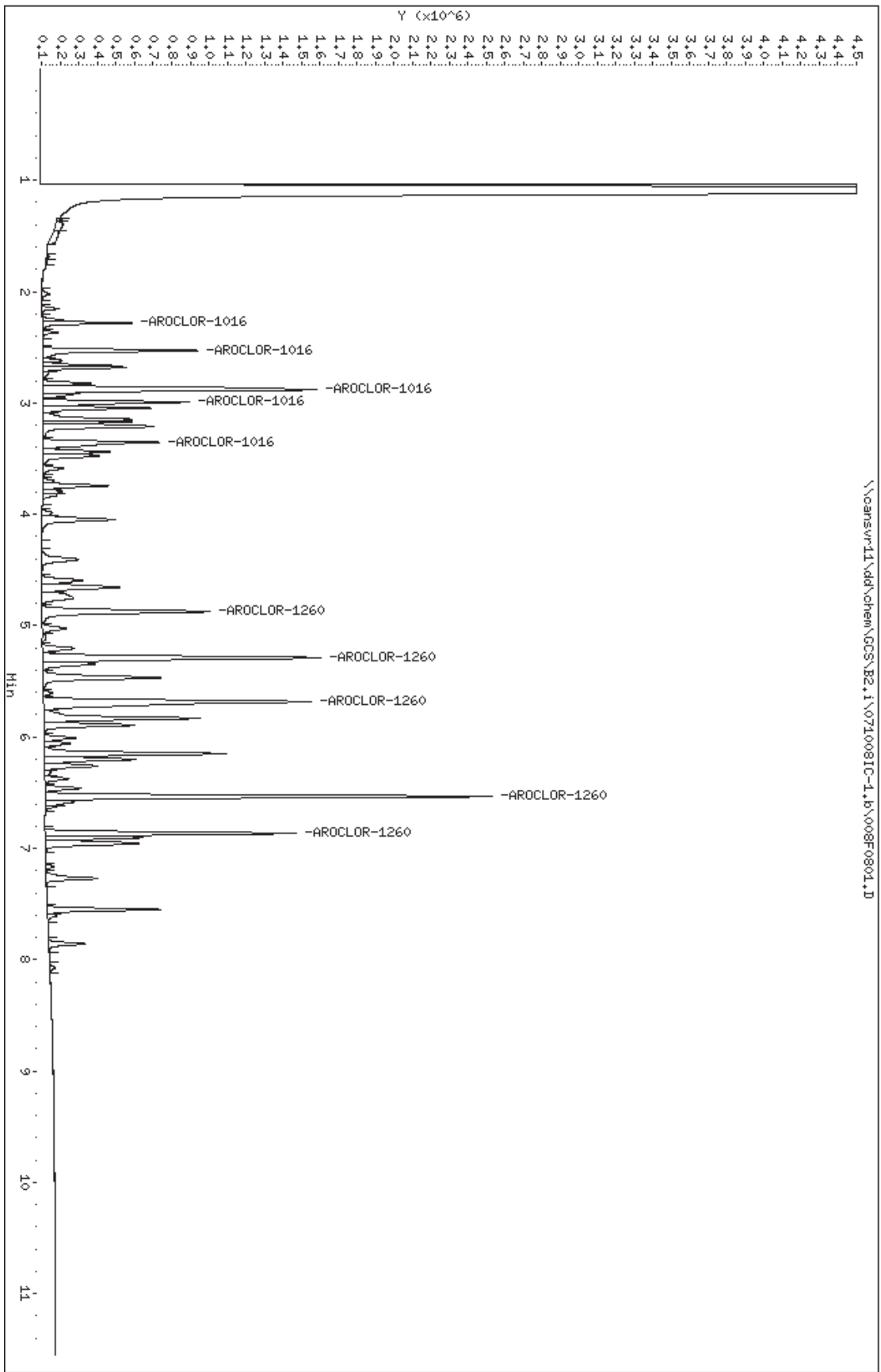
8 AROCLOR-1260			CAS #: 11096-82-5					
4.873	4.873	0.000	2278382 1.00000	1.069	80.00- 120.00	100.00		
5.289	5.289	0.000	3577062 1.00000	1.074	117.75- 196.25	157.00		
5.683	5.683	0.000	4013170 1.00000	1.055	132.11- 220.18	176.14		
6.534	6.534	0.000	4573023 1.00000	1.094	150.54- 250.89	200.71		
6.864	6.864	0.000	2549412 1.00000	1.067	83.92- 139.87	111.90		
Average of Peak Amounts =			1.07180					

QC Flag Legend

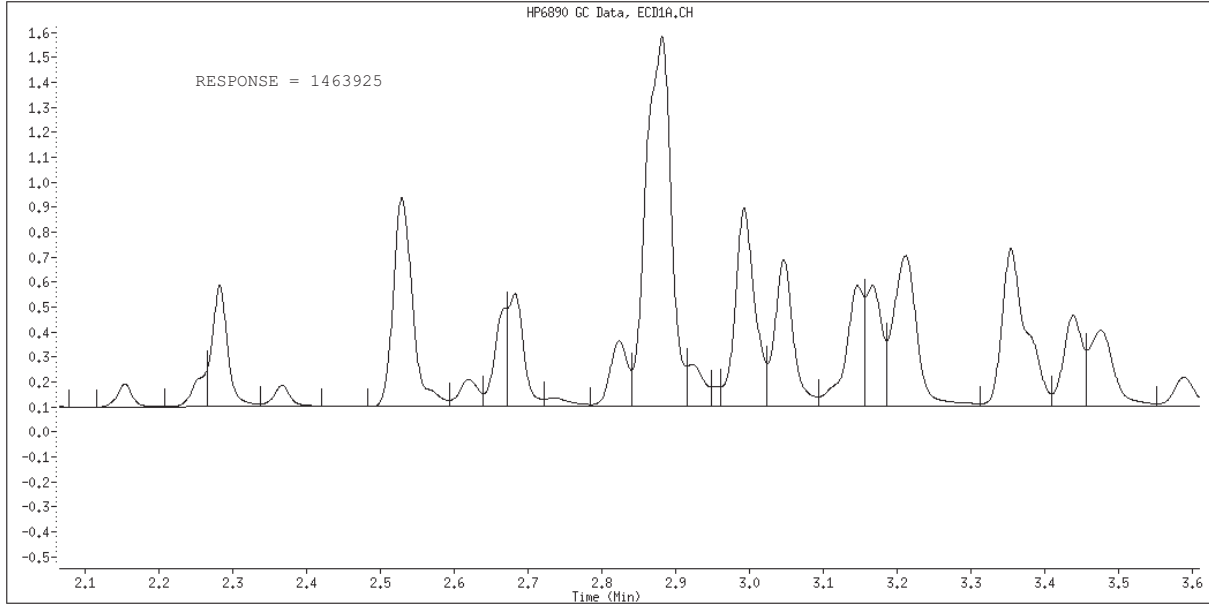
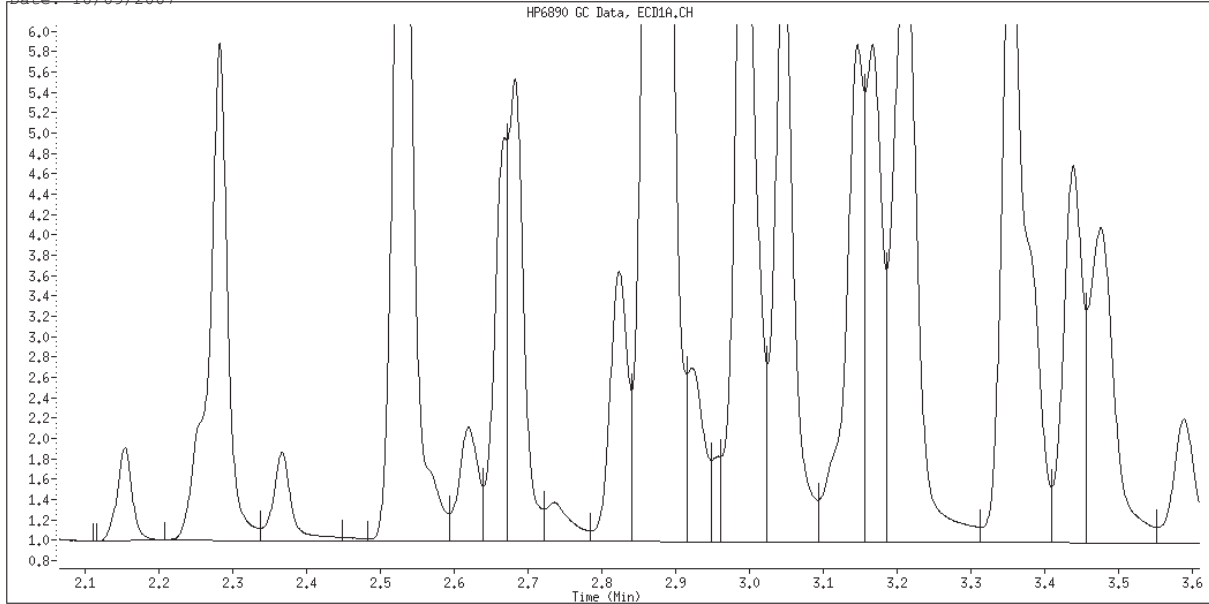
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\008F0801.D
Date : 08-OCT-2007 14:24
Client ID:
Sample Info: 1660,,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 008F0801.D
Inj. Date and Time: 08-OCT-2007 14:24
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Report Date: 09-Oct-2007 10:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 14:38
Operator : 402338
Smp Info : 1232,,1,1
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target
Cal Date : 08-OCT-2007 14:38
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.14
Processing Host: CANPMOB1
Inst ID: B2.i
Quant Type: ESTD
Cal File: 009F0901.D
Calibration Sample, Level: 1
Compound Sublist: 1-ar1232.sub
Sample Matrix: None

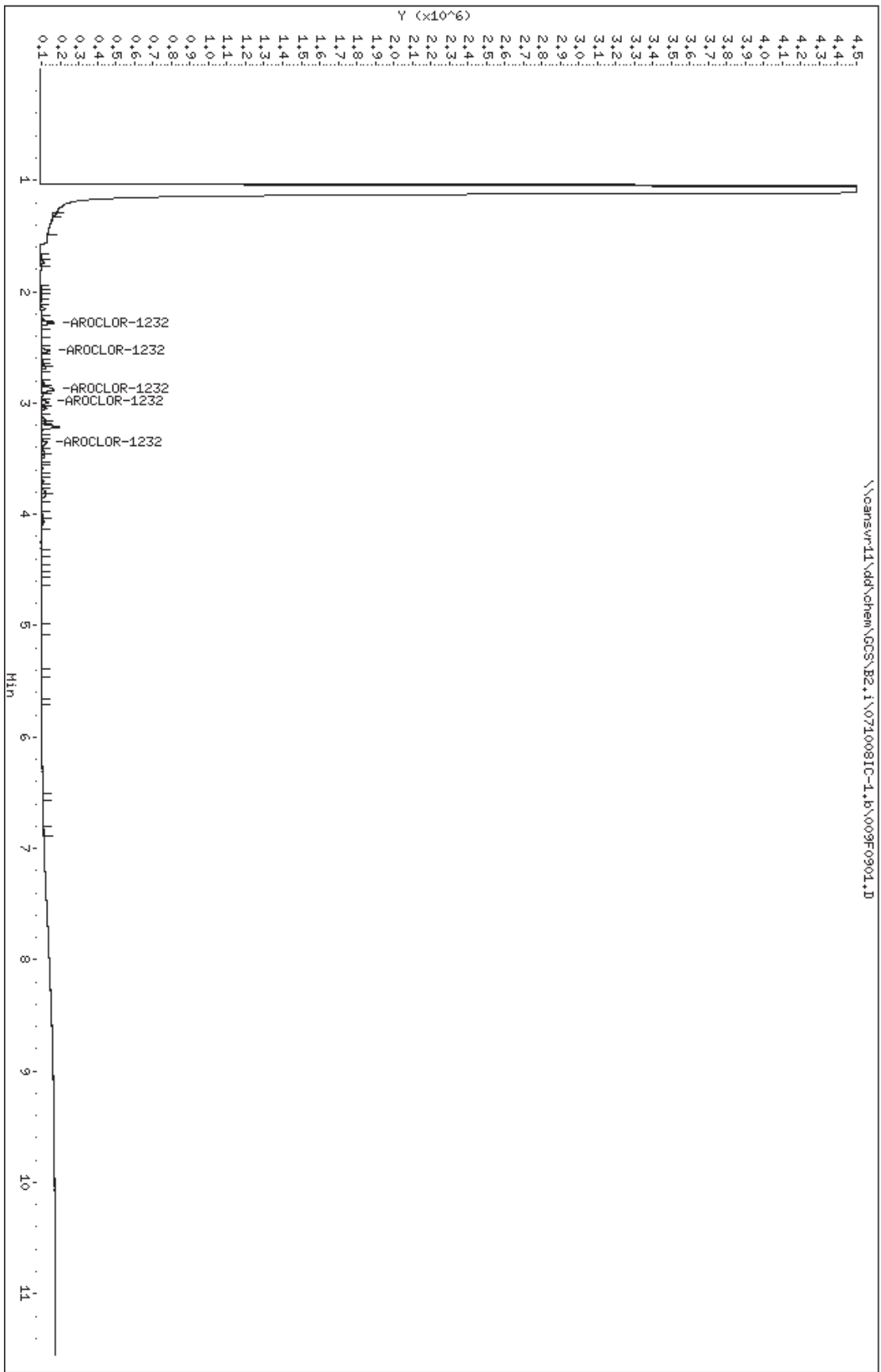
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	109389	0.10000	0.1000	0.00- 0.00	100.00 (M)	
2.529	2.529	0.000	75291	0.10000	0.1000	0.00- 0.00	68.83	
2.882	2.882	0.000	160724	0.10000	0.1000	0.00- 0.00	146.93	
2.993	2.993	0.000	64083	0.10000	0.1000	0.00- 0.00	58.58	
3.354	3.354	0.000	63015	0.10000	0.1000	0.00- 0.00	57.61	
Average of Peak Amounts =			0.10000					

QC Flag Legend

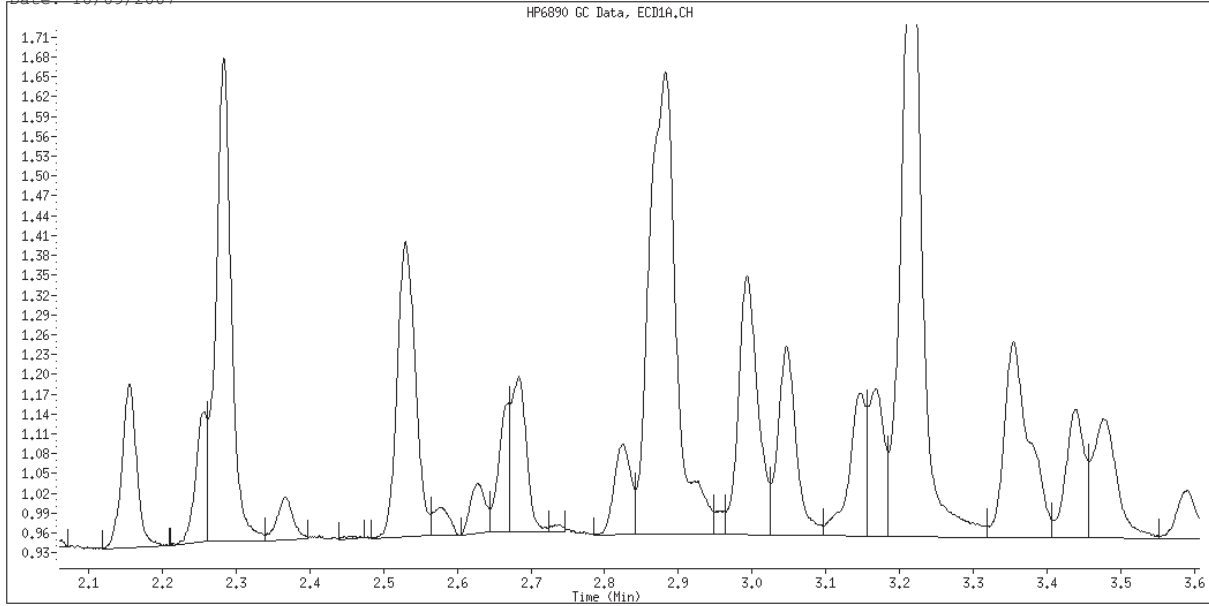
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\009F0901.D
 Date : 08-OCT-2007 14:38
 Client ID:
 Sample Info: 1232,1,1
 Column phase: restek pest c1p1

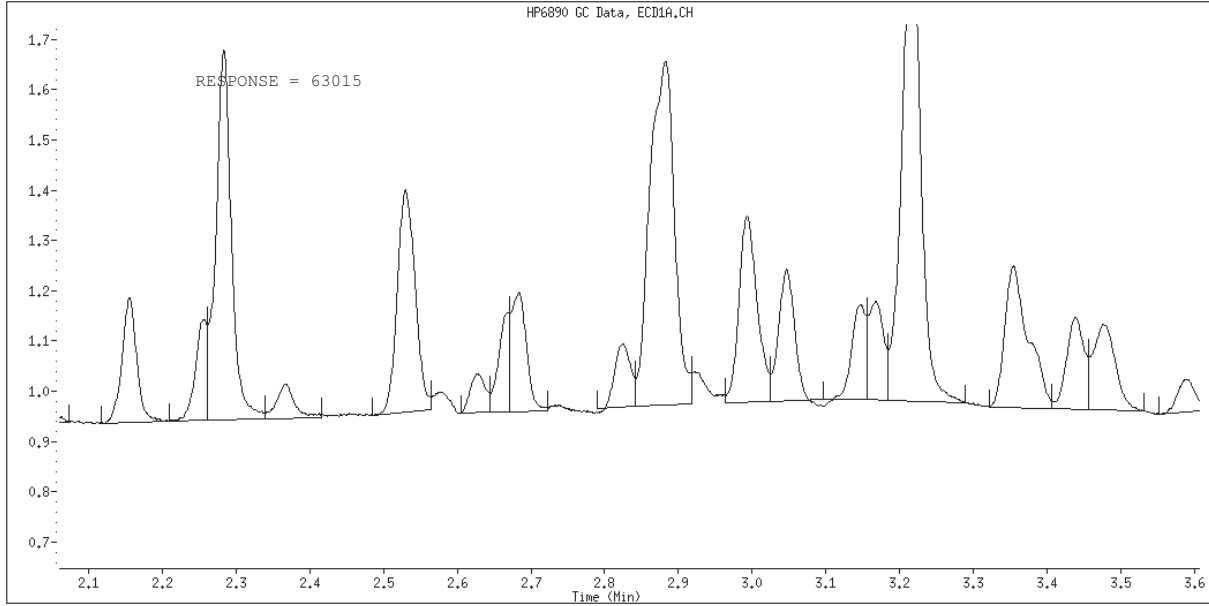
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 009F0901.D
Inj. Date and Time: 08-OCT-2007 14:38
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
 Report Date: 09-Oct-2007 10:48

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
 Lab Smp Id: 1232
 Inj Date : 08-OCT-2007 14:53
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1232,,1,2
 Misc Info : 1-ar1232.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:53 Cal File: 010F1001.D
 Als bottle: 10 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-ar1232.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

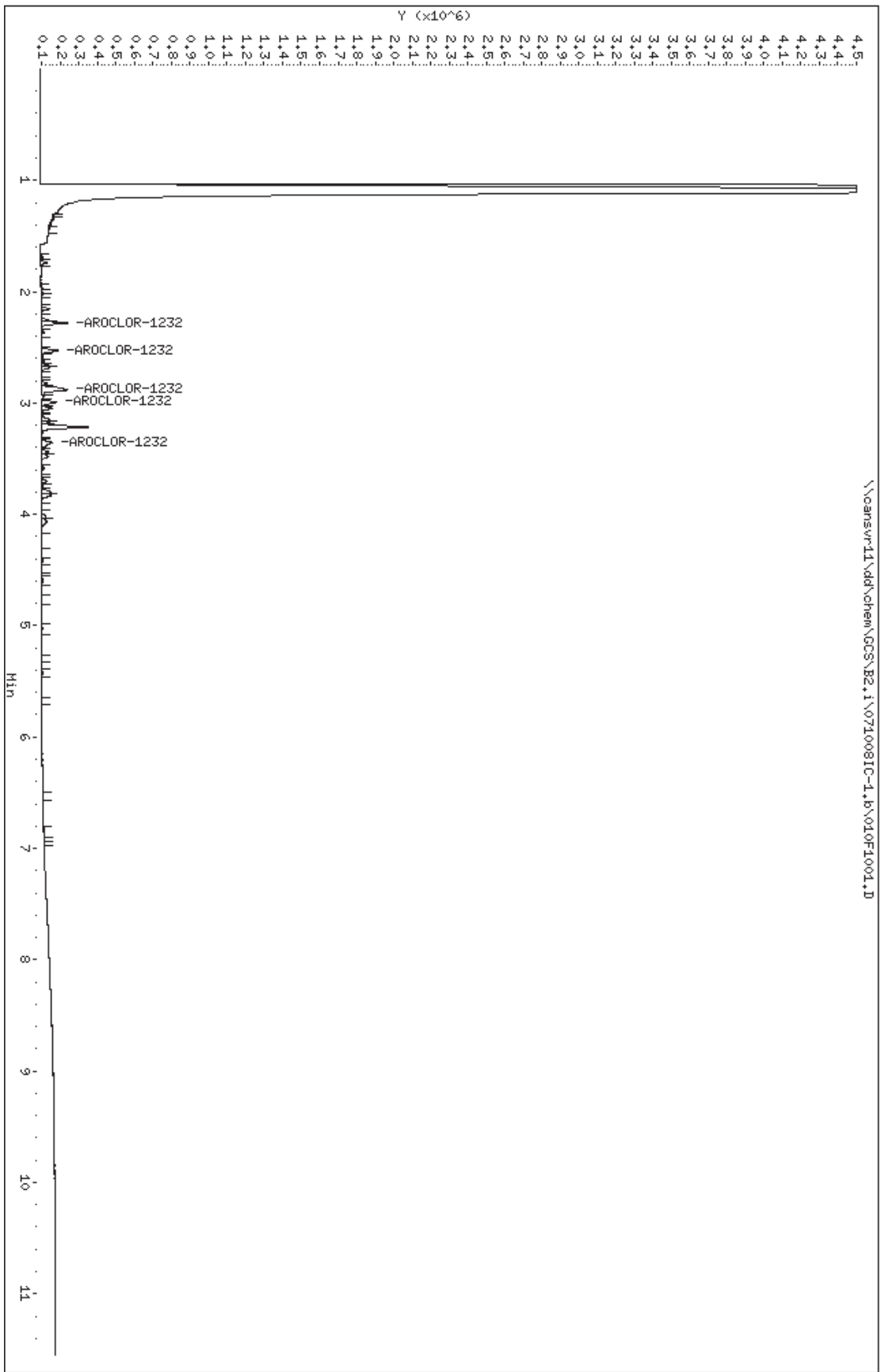
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	213858	0.20000	0.1990	75.00-	125.00	100.00(M)
2.530	2.530	0.000	154506	0.20000	0.2008	53.54-	89.24	72.25
2.882	2.882	0.000	343668	0.20000	0.1964	122.82-	204.70	160.70
2.993	2.993	0.000	141108	0.20000	0.1901	52.74-	87.89	65.98
3.355	3.355	0.000	130845	0.20000	0.1898	49.01-	81.68	61.18
Average of Peak Amounts =				0.19522				

QC Flag Legend

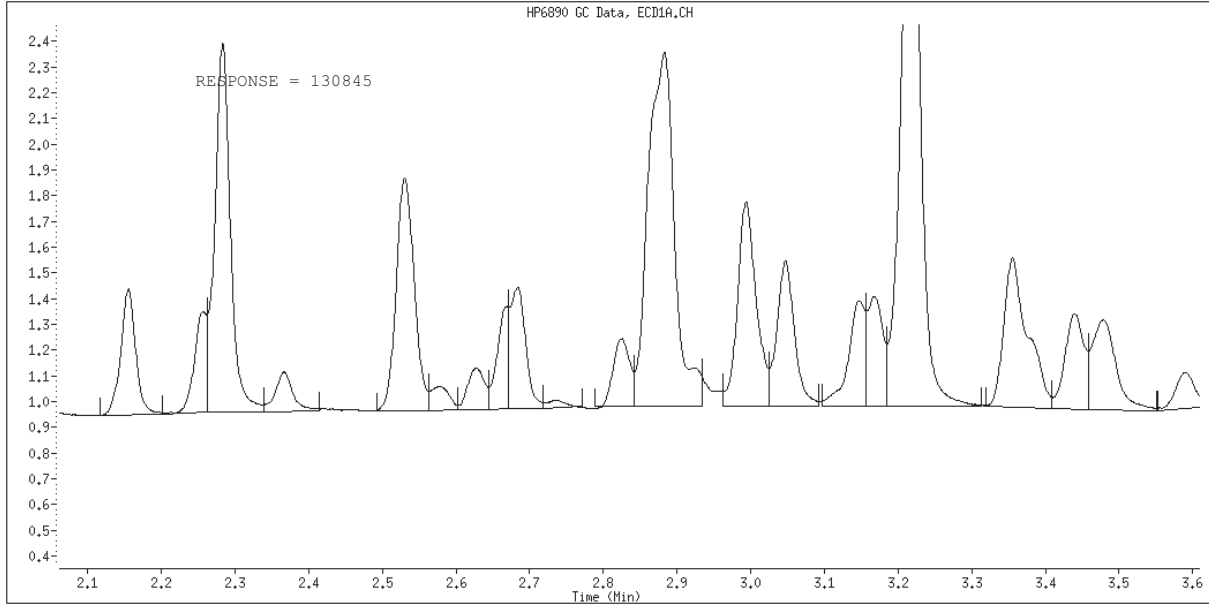
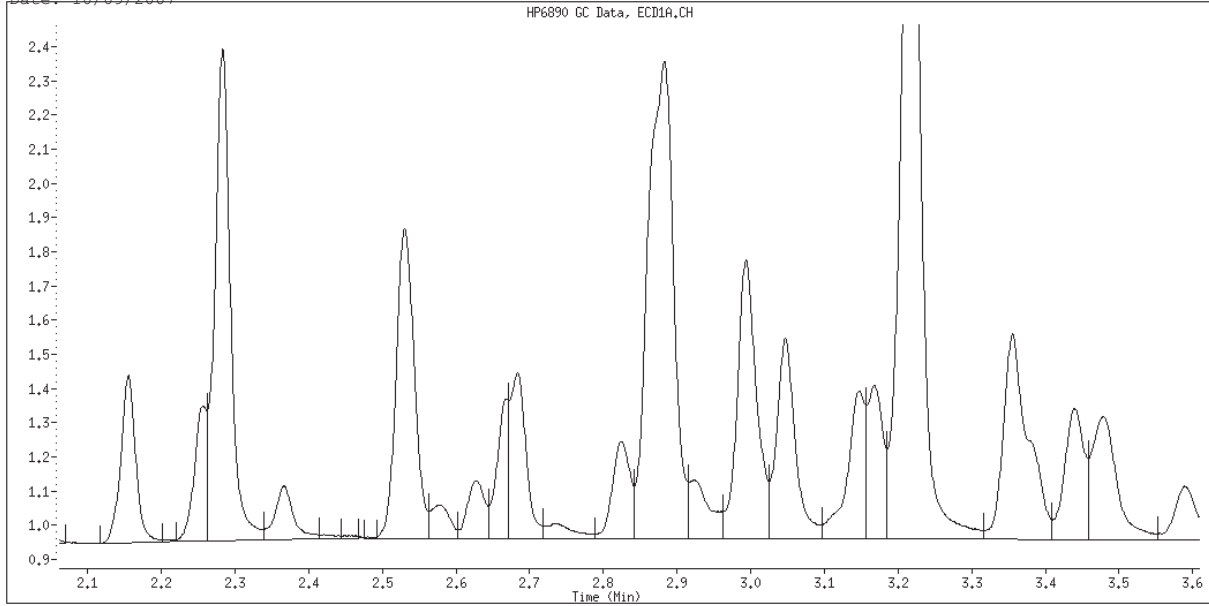
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\010F1001.D
Date : 08-OCT-2007 14:53
Client ID:
Sample Info: 1232,1,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 010F1001.D
Inj. Date and Time: 08-OCT-2007 14:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
Report Date: 09-Oct-2007 10:43

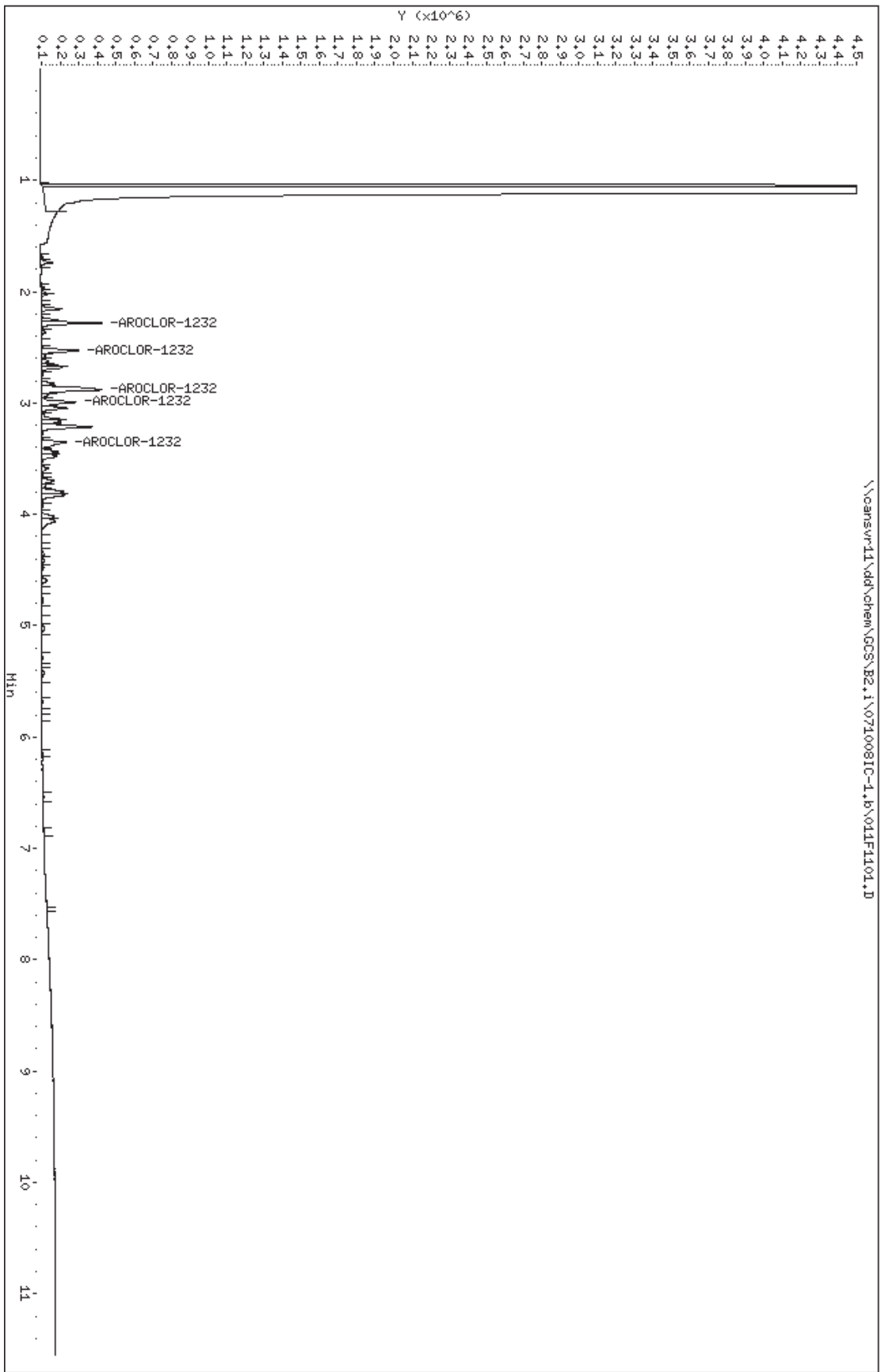
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:07
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,3
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:43 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:07 Cal File: 011F1101.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	489501	0.50000	0.4674	0.00- 0.00	100.00	
2.528	2.528	0.000	353191	0.50000	0.4748	0.00- 0.00	72.15	
2.881	2.881	0.000	775473	0.50000	0.4865	0.00- 0.00	158.42	
2.992	2.992	0.000	354055	0.50000	0.5405	0.00- 0.00	72.33	
3.354	3.354	0.000	324135	0.50000	0.5180	0.00- 0.00	66.22	
Average of Peak Amounts =					0.49744			

Data File: \\cansvr11\dd\chem\CCS\B2.1\0710081C-1.b\011F1101.D
Date : 08-OCT-2007 15:07
Client ID:
Sample Info: 1232,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
Report Date: 09-Oct-2007 10:44

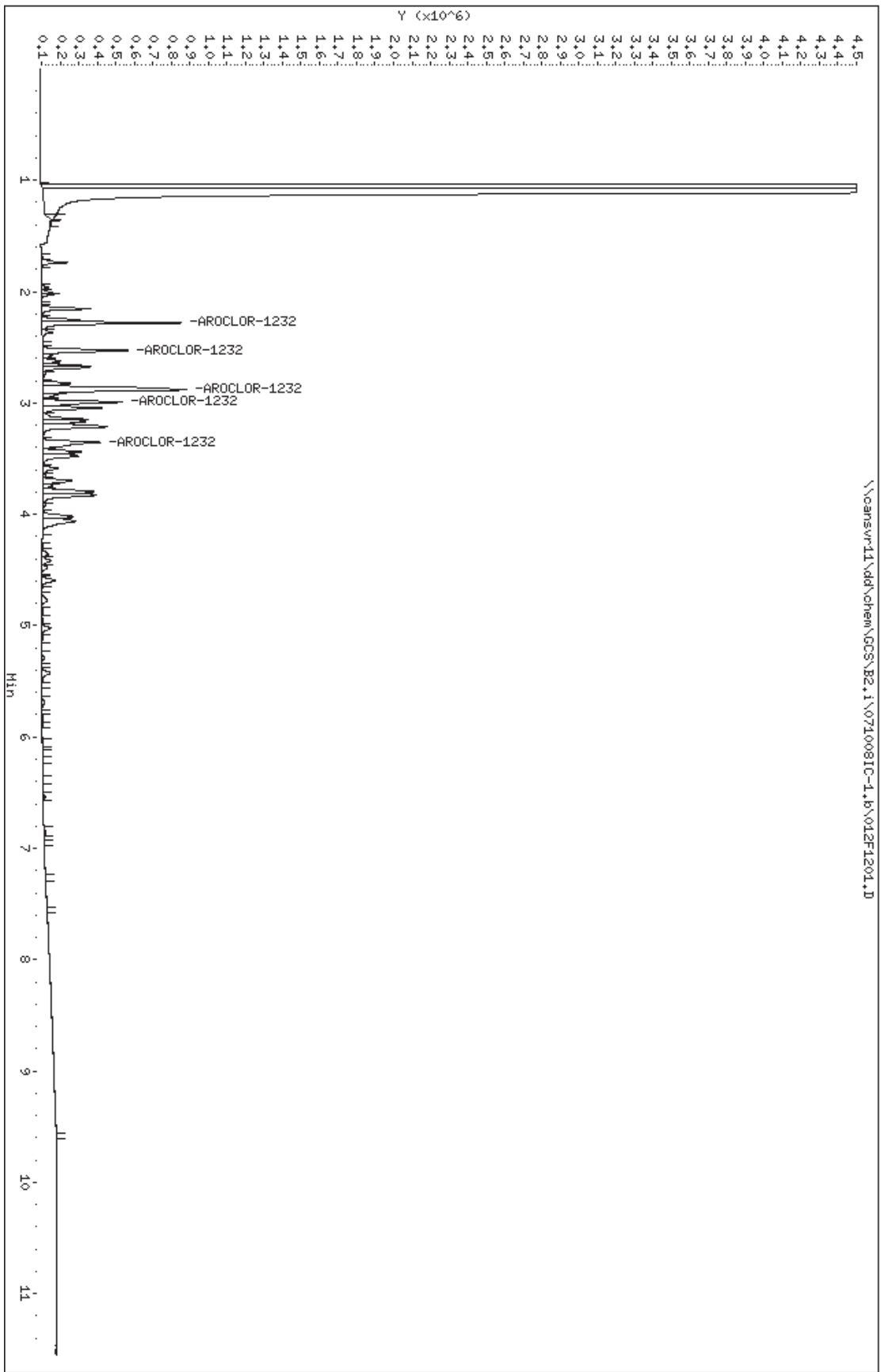
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:21
Operator : 402338
Smp Info : 1232,,1,4
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target
Cal Date : 08-OCT-2007 15:21
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.14
Processing Host: CANPMOB1
Inst ID: B2.i
Quant Type: ESTD
Cal File: 012F1201.D
Calibration Sample, Level: 4
Compound Sublist: 1-ar1232.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	1116628	1.00000	1.049	80.00- 120.00	100.00	
2.529	2.529	0.000	797164	1.00000	1.053	53.54- 89.24	71.39	
2.881	2.881	0.000	1828584	1.00000	1.106	122.82- 204.70	163.76	
2.992	2.992	0.000	785161	1.00000	1.142	52.74- 87.89	70.32	
3.354	3.354	0.000	729674	1.00000	1.120	49.01- 81.68	65.35	
Average of Peak Amounts =			1.09400					

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.b\012F1201.D
Date : 08-OCT-2007 15:21
Client ID:
Sample Info: 1232,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Report Date: 09-Oct-2007 10:44

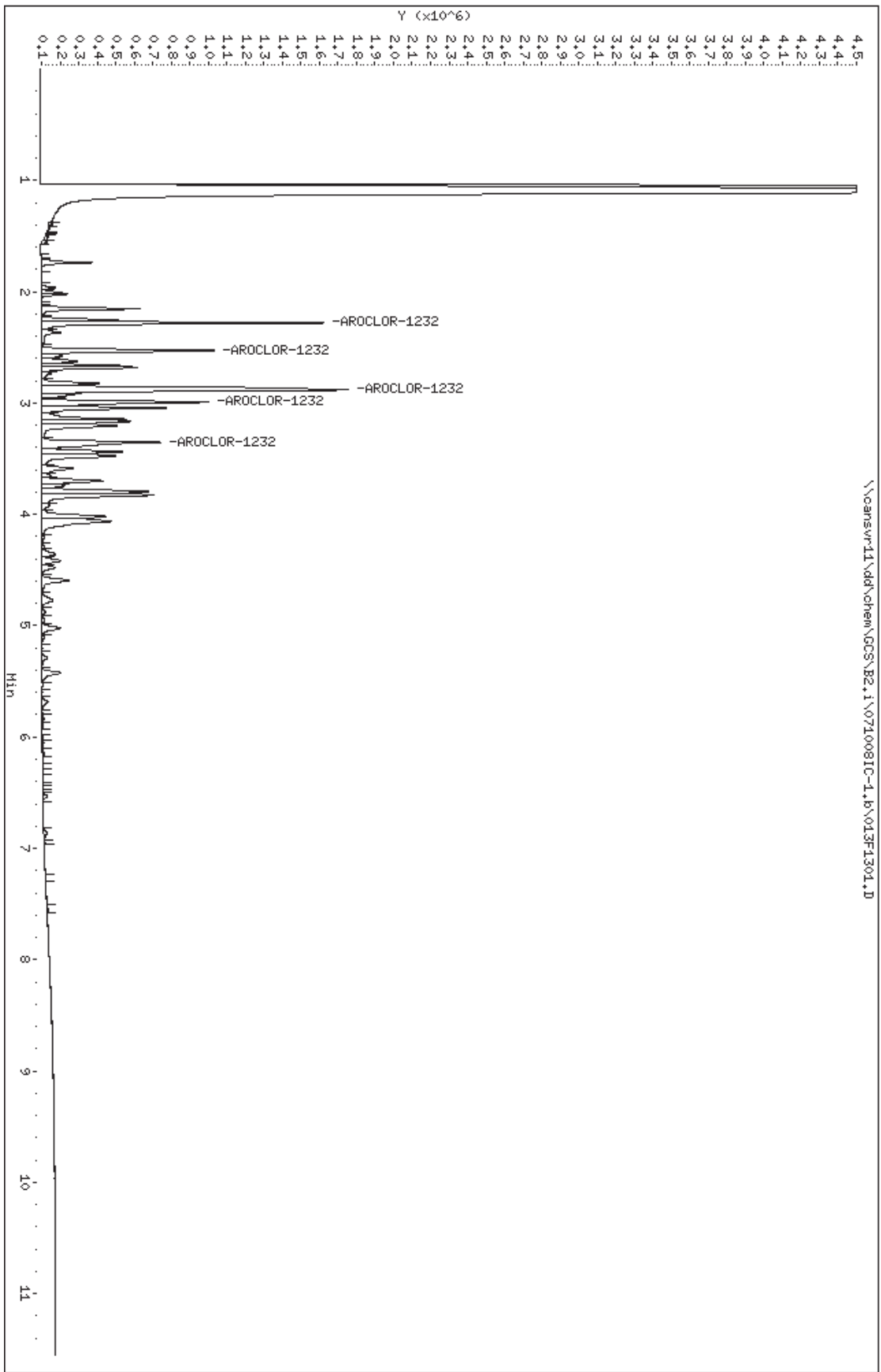
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:35
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,5
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:35 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	2239019	2.00000	2.082	75.00- 125.00	100.00	
2.529	2.529	0.000	1633971	2.00000	2.124	53.54- 89.24	72.98	
2.881	2.881	0.000	3825116	2.00000	2.244	122.82- 204.70	170.84	
2.991	2.991	0.000	1618769	2.00000	2.274	52.74- 87.89	72.30	
3.353	3.353	0.000	1503568	2.00000	2.238	49.01- 81.68	67.15	
Average of Peak Amounts =				2.19240				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\013F1301.D
Date : 08-OCT-2007 15:35
Client ID:
Sample Info: 1232,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Report Date: 09-Oct-2007 10:44

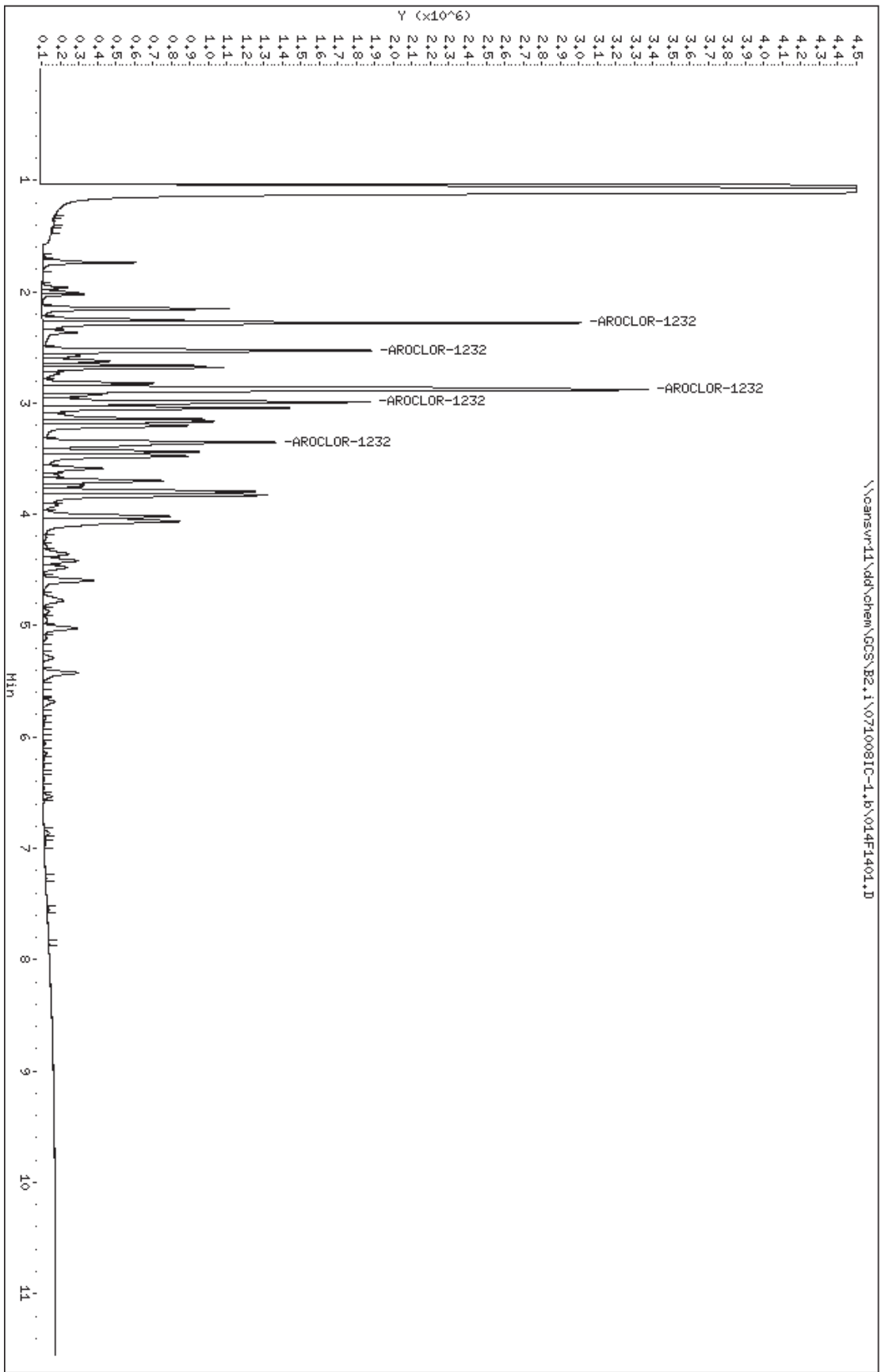
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:49
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,6
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:49 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	4271672	4.00000	3.976	75.00- 125.00	100.00	
2.528	2.528	0.000	3082296	4.00000	4.006	53.54- 89.24	72.16	
2.881	2.881	0.000	7515880	4.00000	4.335	122.82- 204.70	175.95	
2.992	2.992	0.000	3218576	4.00000	4.425	52.74- 87.89	75.35	
3.353	3.353	0.000	2892062	4.00000	4.251	49.01- 81.68	67.70	
Average of Peak Amounts =					4.19860			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\014F1401.D
Date: 08-OCT-2007 15:49
Client ID:
Sample Info: 1232,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:29
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,1
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
Cal Date : 08-OCT-2007 17:29 Cal File: 021F2101.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

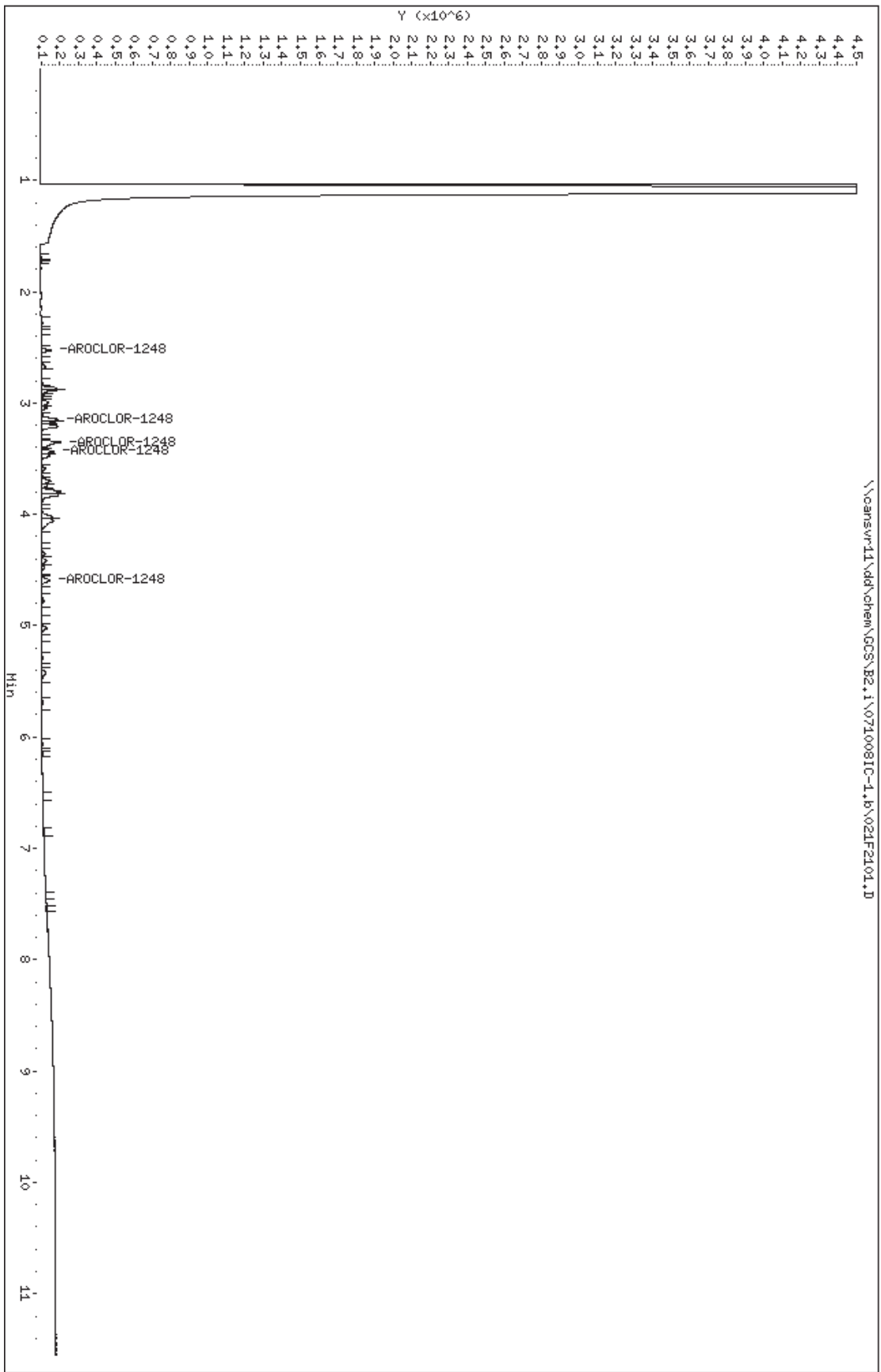
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	82463	0.10000	0.1000	0.00- 0.00	100.00 (M)	
3.145	3.145	0.000	138758	0.10000	0.1000	0.00- 0.00	168.27	
3.353	3.353	0.000	224501	0.10000	0.1000	0.00- 0.00	272.24	
3.437	3.437	0.000	118821	0.10000	0.1000	0.00- 0.00	144.09	
4.593	4.593	0.000	108716	0.10000	0.1000	0.00- 0.00	131.84	
Average of Peak Amounts =			0.10000					

QC Flag Legend

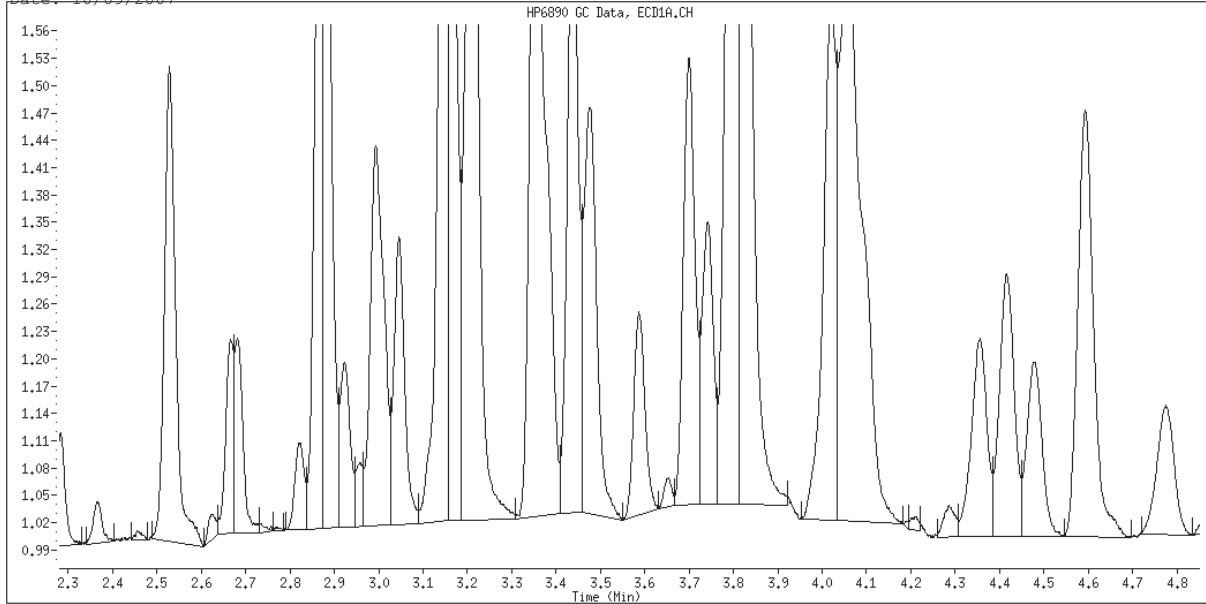
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\021F2101.D
Date : 08-OCT-2007 17:29
Client ID:
Sample Info: 1248,1,1
Column phase: restek pest c1p1

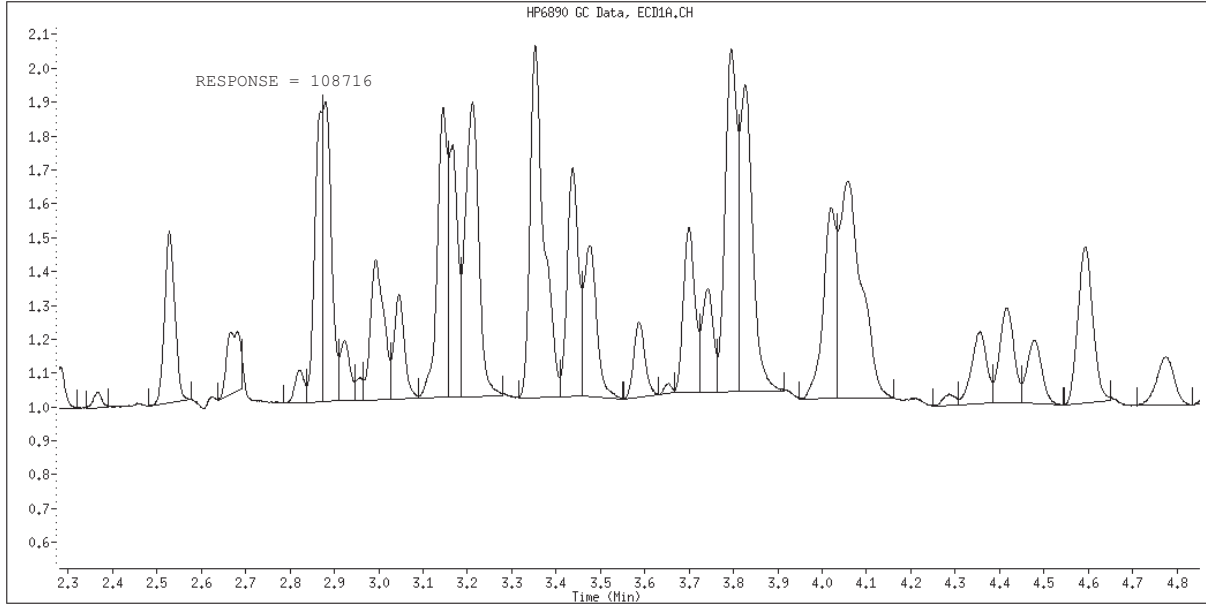
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 021F2101.D
Inj. Date and Time: 08-OCT-2007 17:29
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
Report Date: 09-Oct-2007 10:45

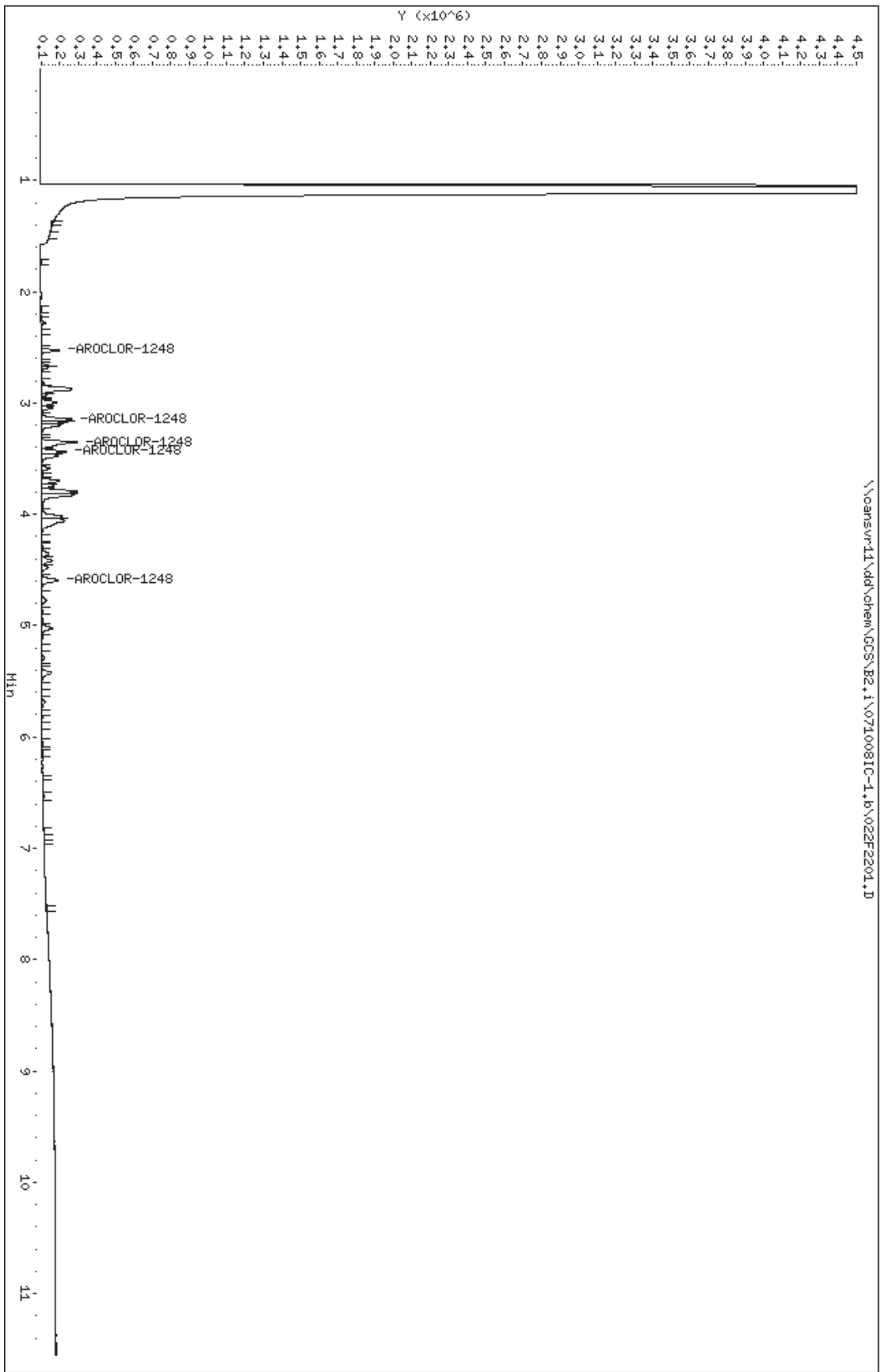
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:43
Operator : 402338
Smp Info : 1248,,1,2
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:45 target
Cal Date : 08-OCT-2007 17:43
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.14
Processing Host: CANPMOB1
Inst ID: B2.i
Quant Type: ESTD
Cal File: 022F2201.D
Calibration Sample, Level: 2
Compound Sublist: 3-ar1248.sub
Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.528	2.528	0.000	166104	0.20000	0.2007	0.00- 0.00	100.00	
3.145	3.145	0.000	266656	0.20000	0.1960	0.00- 0.00	160.54	
3.353	3.353	0.000	433137	0.20000	0.1964	0.00- 0.00	260.76	
3.437	3.437	0.000	232271	0.20000	0.1977	0.00- 0.00	139.83	
4.593	4.593	0.000	228558	0.20000	0.2050	0.00- 0.00	137.60	
Average of Peak Amounts =				0.19916				

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\02EF2201.D
 Date : 08-OCT-2007 17:43
 Client ID:
 Sample Info: 1248, 1, 2
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
 Report Date: 09-Oct-2007 10:46

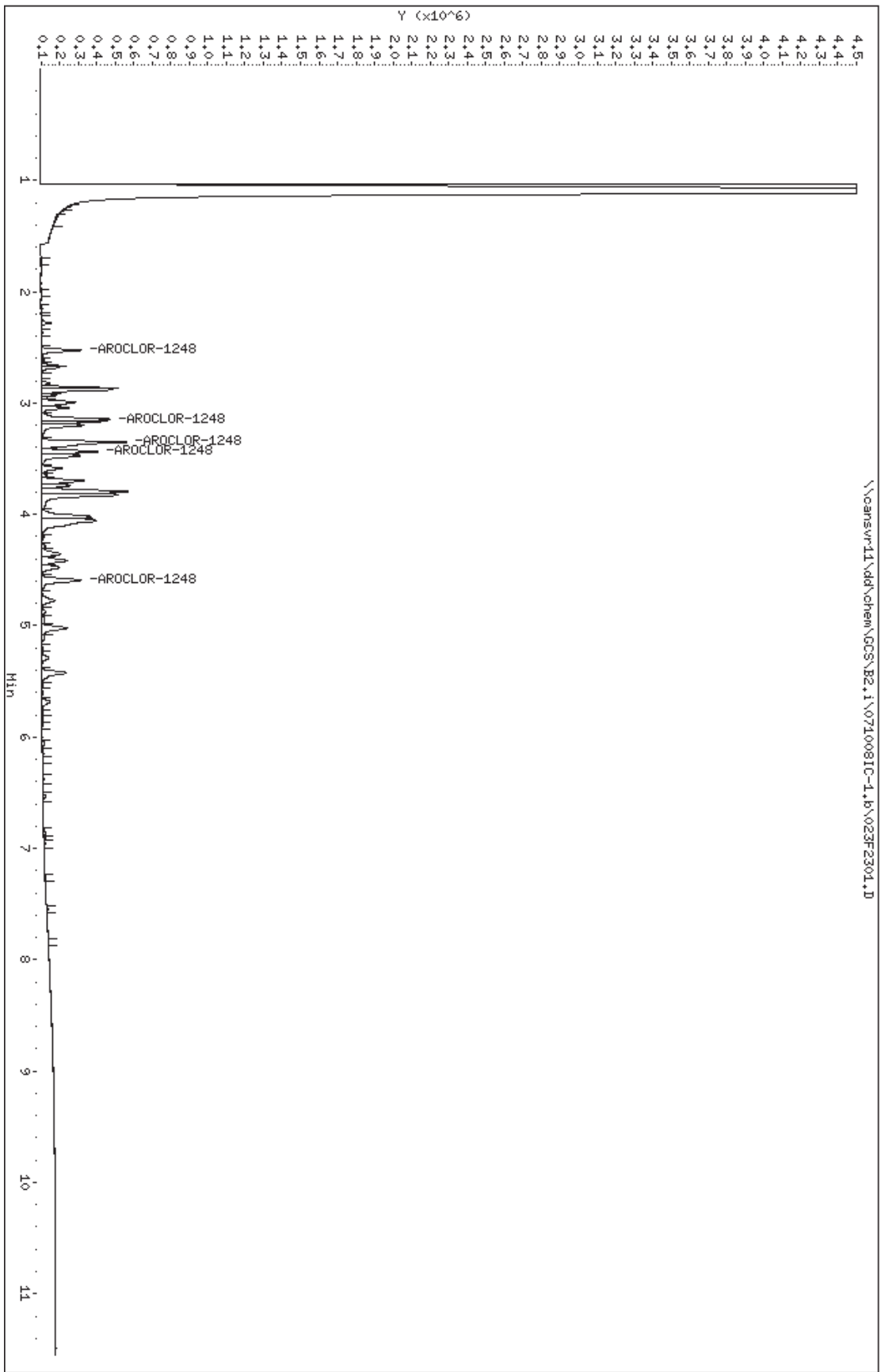
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
 Lab Smp Id: 1248
 Inj Date : 08-OCT-2007 17:57
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1248,,1,3
 Misc Info : 3-ar1248.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:46 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 17:57 Cal File: 023F2301.D
 Als bottle: 23 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-ar1248.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	370340	0.50000	0.4637	0.00- 0.00	100.00	
3.144	3.144	0.000	609869	0.50000	0.4643	0.00- 0.00	164.68	
3.351	3.351	0.000	1025794	0.50000	0.4762	0.00- 0.00	276.99	
3.436	3.436	0.000	561625	0.50000	0.4852	0.00- 0.00	151.65	
4.592	4.592	0.000	550778	0.50000	0.4960	0.00- 0.00	148.72	
Average of Peak Amounts =					0.47708			

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\023F2301.D
Date : 08-OCT-2007 17:57
Client ID:
Sample Info: 1248,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
 Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
 Lab Smp Id: 1248
 Inj Date : 08-OCT-2007 18:11
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1248,,1,4
 Misc Info : 3-ar1248.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 18:11 Cal File: 024F2401.D
 Als bottle: 24 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-ar1248.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

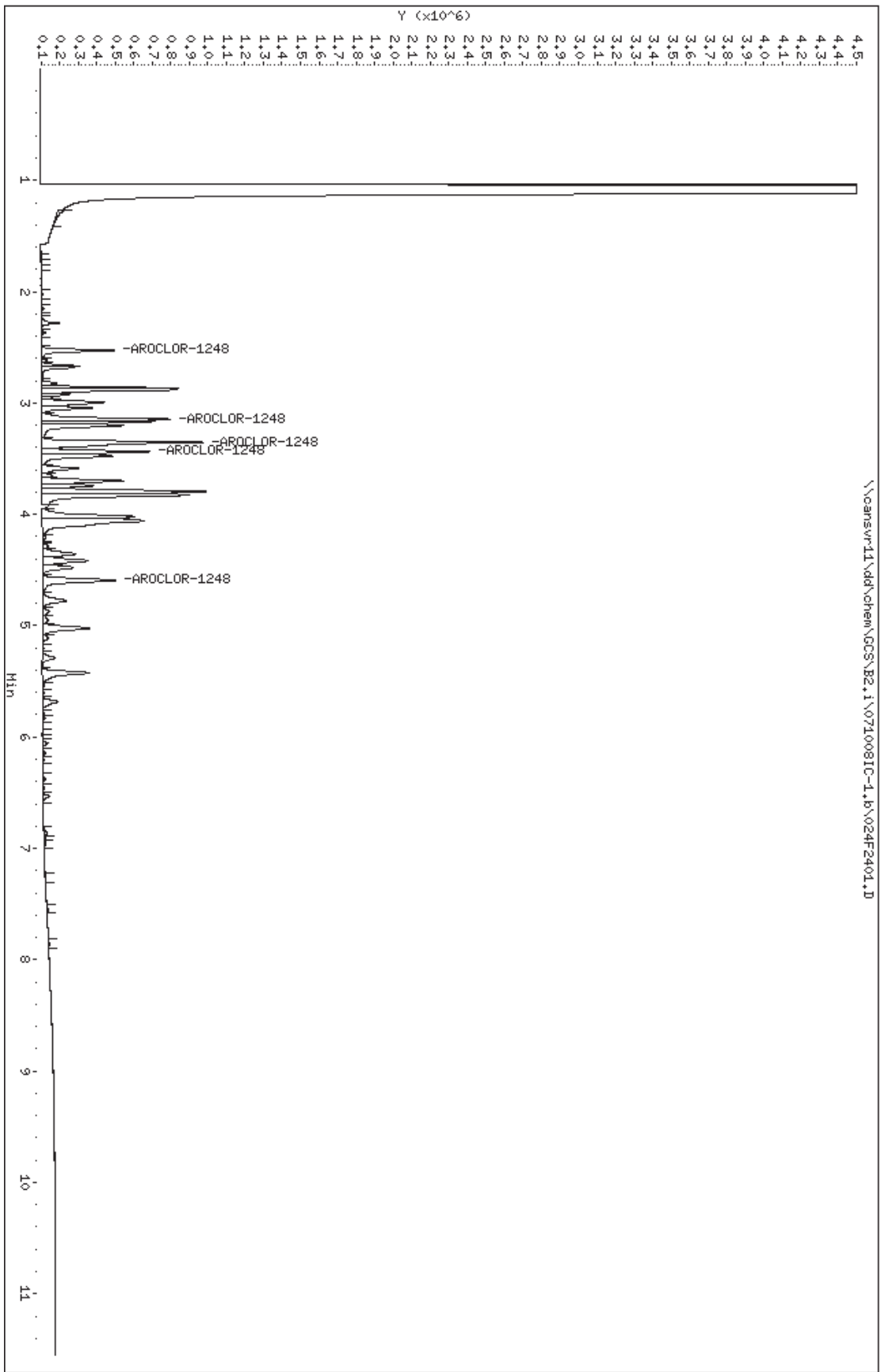
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
6 AROCLOR-1248				CAS #: 12672-29-6			
2.527	2.527	0.000	669486 1.00000	0.9235	80.00- 120.00	100.00 (M)	
3.145	3.145	0.000	1152706 1.00000	0.9409	129.13- 215.22	172.18	
3.353	3.353	0.000	1899906 1.00000	0.9382	212.84- 354.73	283.79	
3.437	3.437	0.000	1060243 1.00000	0.9634	118.78- 197.96	158.37	
4.592	4.592	0.000	1019714 1.00000	0.9666	114.23- 190.39	152.31	
Average of Peak Amounts =				0.94652			

QC Flag Legend

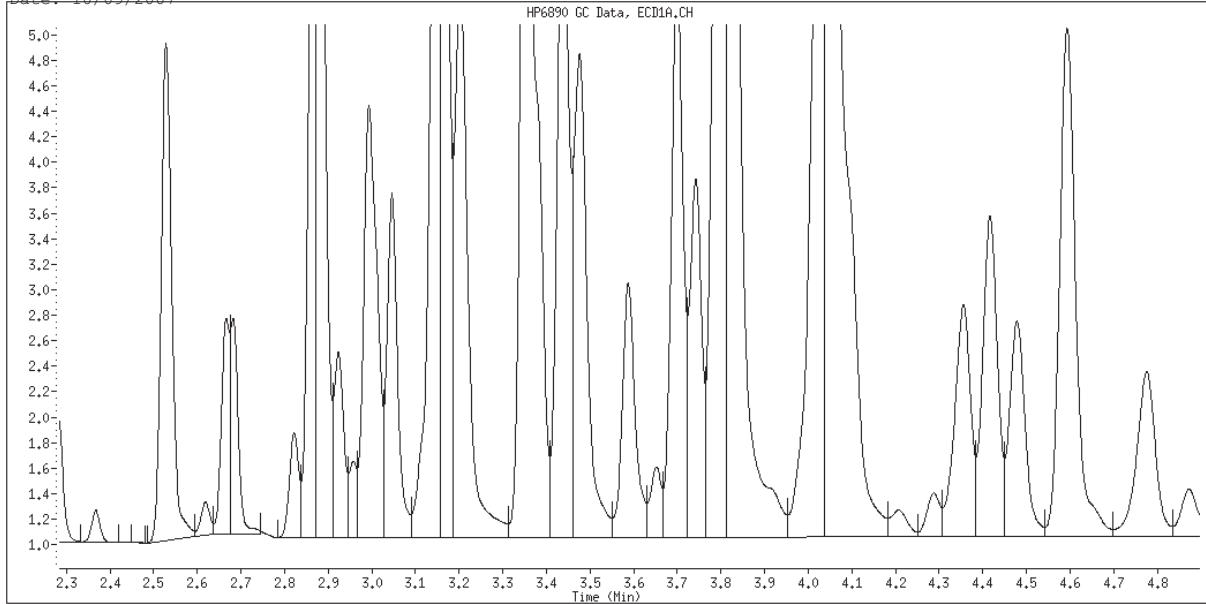
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\024F2401.D
 Date : 08-OCT-2007 18:11
 Client ID:
 Sample Info: 1248,1,4
 Column phase: restek pest c1p1

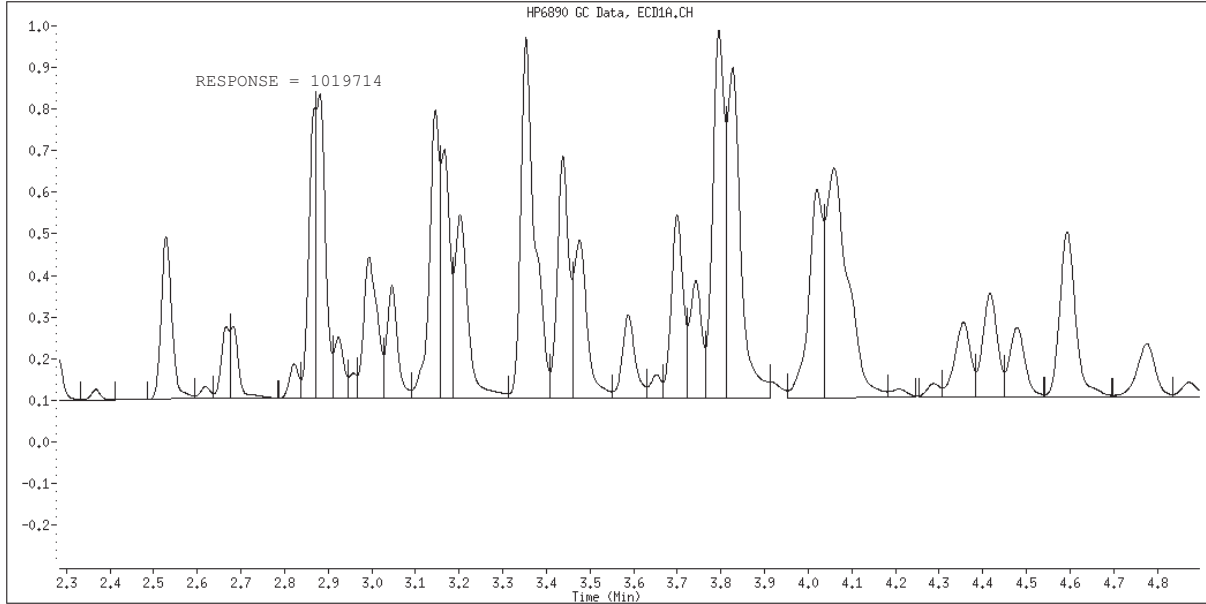
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 024F2401.D
Inj. Date and Time: 08-OCT-2007 18:11
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:25
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,5
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:25 Cal File: 025F2501.D
Als bottle: 25 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

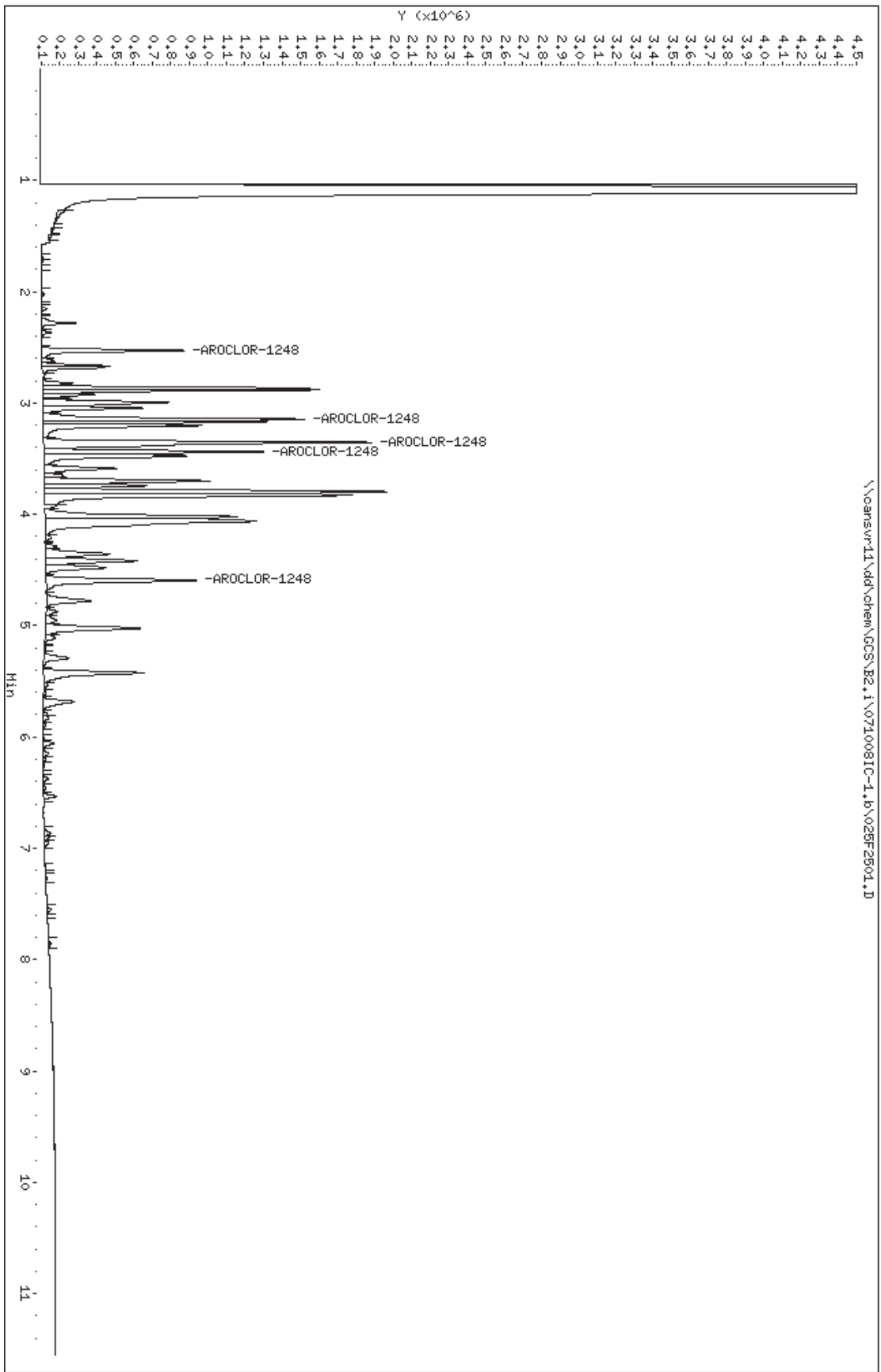
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
====	=====	=====	=====	=====	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.528	2.528	0.000	1316133 2.00000	1.816	75.00- 125.00	100.00 (M)	
3.145	3.145	0.000	2311995 2.00000	1.906	121.27- 202.12	175.67	
3.354	3.354	0.000	3837929 2.00000	1.910	202.33- 337.22	291.61	
3.438	3.438	0.000	2113500 2.00000	1.945	109.77- 182.95	160.58	
4.594	4.594	0.000	1951441 2.00000	1.864	109.01- 181.68	148.27	
Average of Peak Amounts =			1.88820				

QC Flag Legend

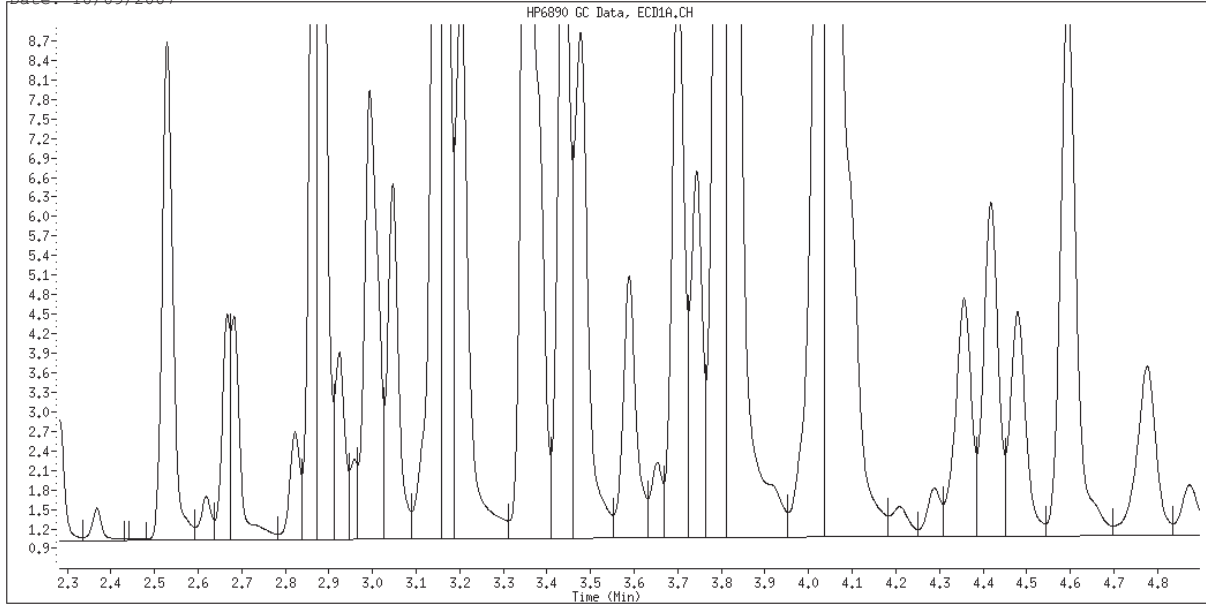
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\02SF2501.D
Date : 08-OCT-2007 18:25
Client ID:
Sample Info: 1248, 1.5
Column phase: restek pest c1p1

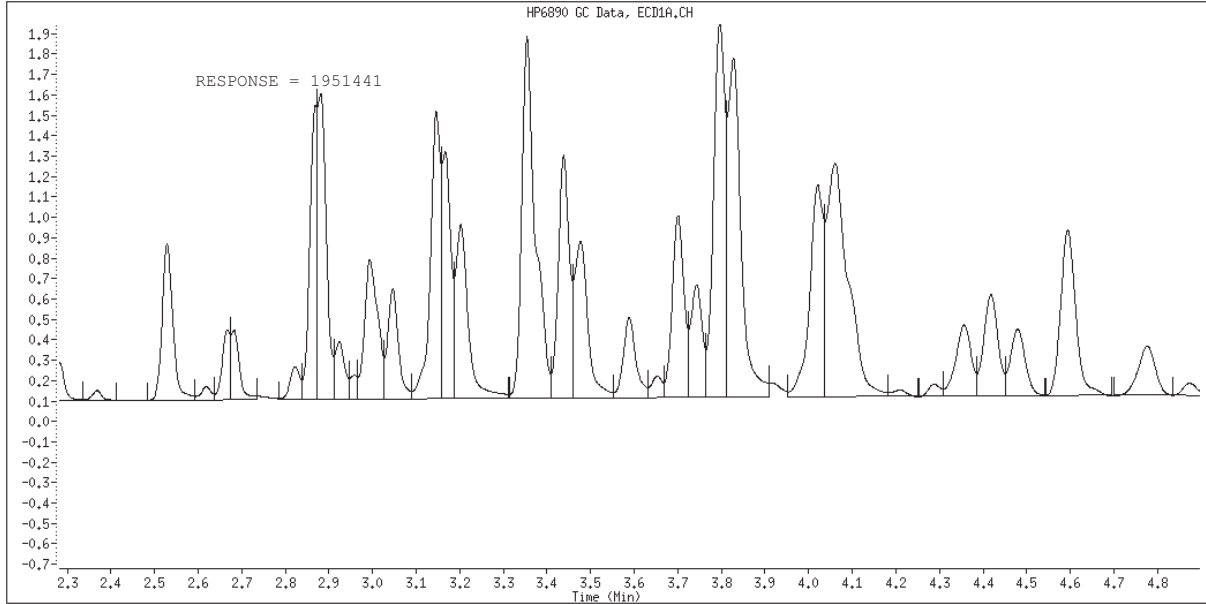
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 025F2501.D
Inj. Date and Time: 08-OCT-2007 18:25
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:39
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,6
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:39 Cal File: 026F2601.D
Als bottle: 26 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

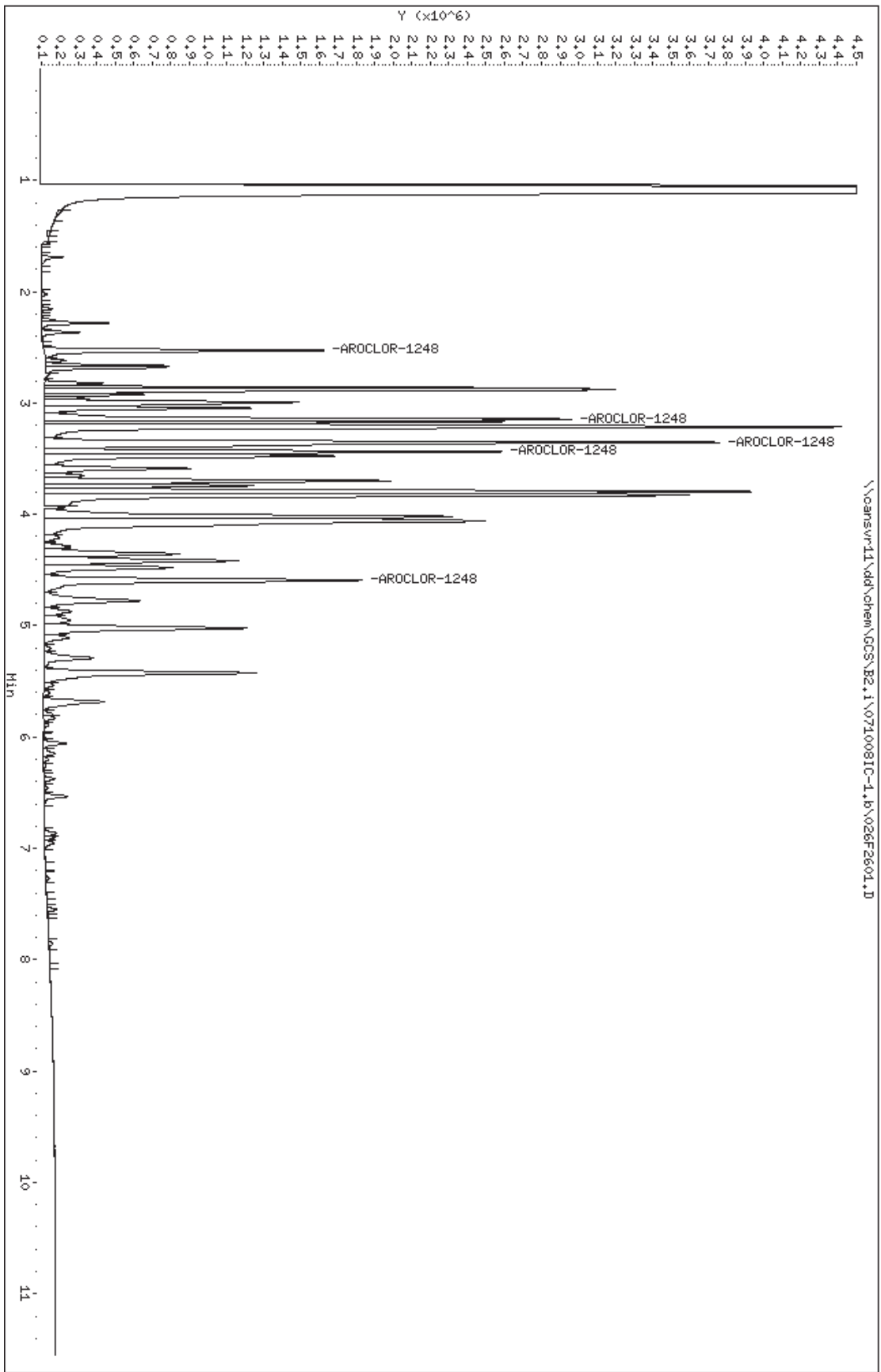
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	2508176	4.00000	3.459 75.00- 125.00	100.00	(M)
3.145	3.145	0.000	4599023	4.00000	3.729 129.13- 215.22	183.36	
3.353	3.353	0.000	7804069	4.00000	3.828 212.84- 354.73	311.15	
3.437	3.437	0.000	4296743	4.00000	3.869 118.78- 197.96	171.31	
4.592	4.592	0.000	4283765	4.00000	4.017 114.23- 190.39	170.79	
Average of Peak Amounts =			3.78040				

QC Flag Legend

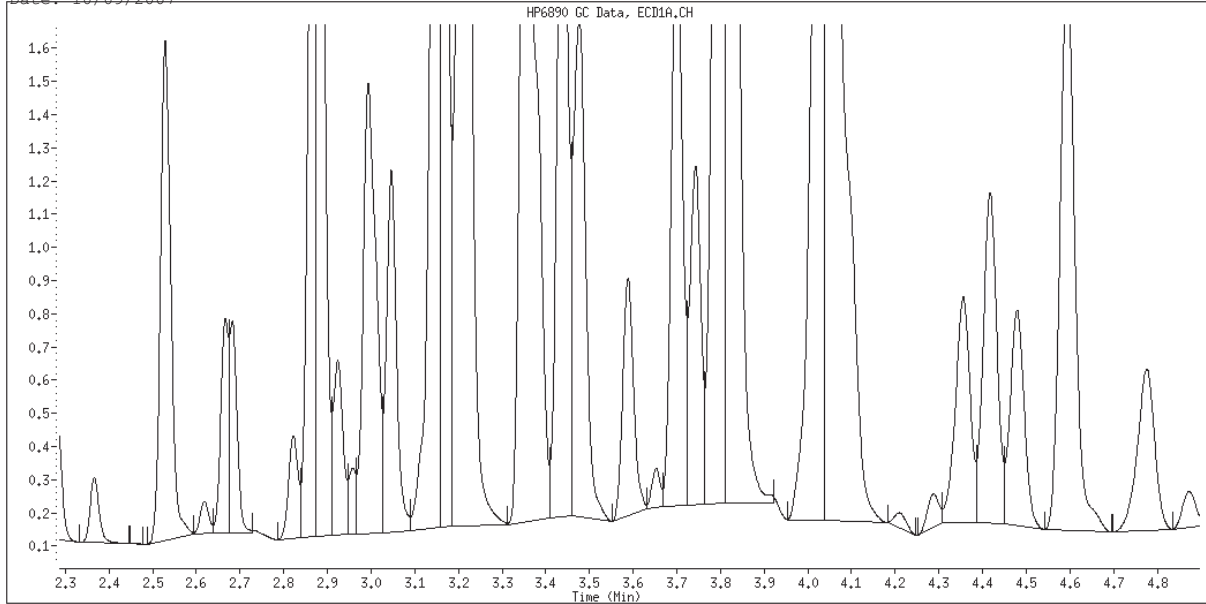
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCs\B2.1\0710081C-1.1\026F2601.D
Date : 08-OCT-2007 18:39
Client ID:
Sample Info: 1248, 1.6
Column phase: restek pest c1p1

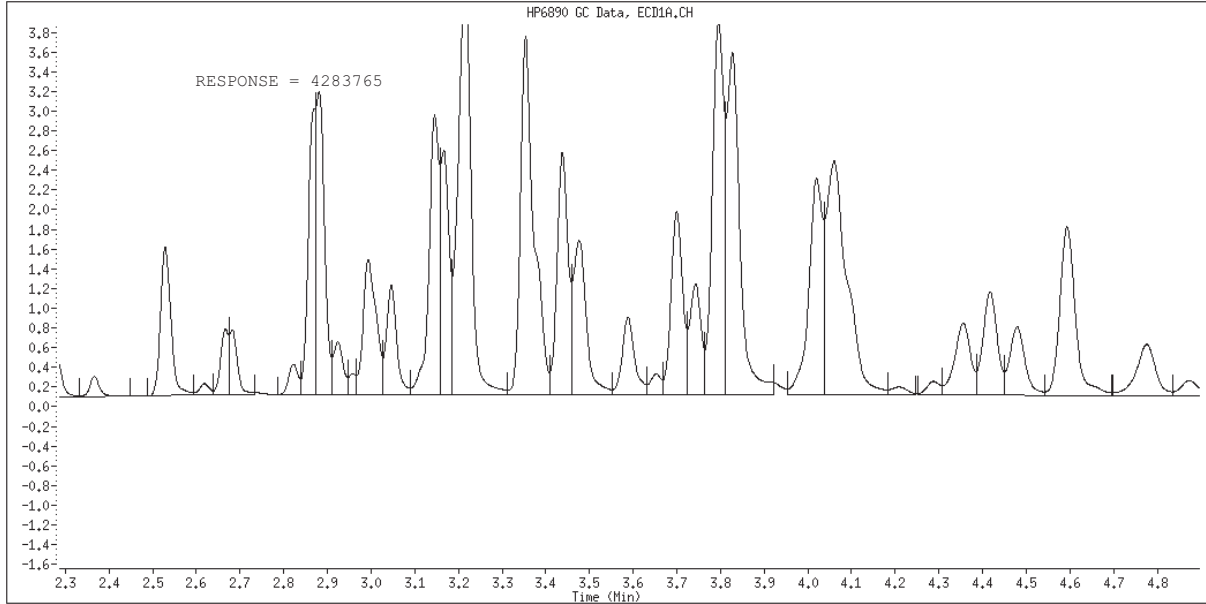
Instrument: B2.1
Operator: 402338
Column diameter: 0.53



Data File Name: 026F2601.D
Inj. Date and Time: 08-OCT-2007 18:39
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 18:53
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,1
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
 Als bottle: 27 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	344161	0.10000	0.1000	0.00- 0.00	100.00 (M)	
4.592	4.592	0.000	389522	0.10000	0.1000	0.00- 0.00	113.18	
5.022	5.022	0.000	294465	0.10000	0.1000	0.00- 0.00	85.56	
5.290	5.290	0.000	259558	0.10000	0.1000	0.00- 0.00	75.42	
5.682	5.682	0.000	396921	0.10000	0.1000	0.00- 0.00	115.33	
Average of Peak Amounts =			0.10000					

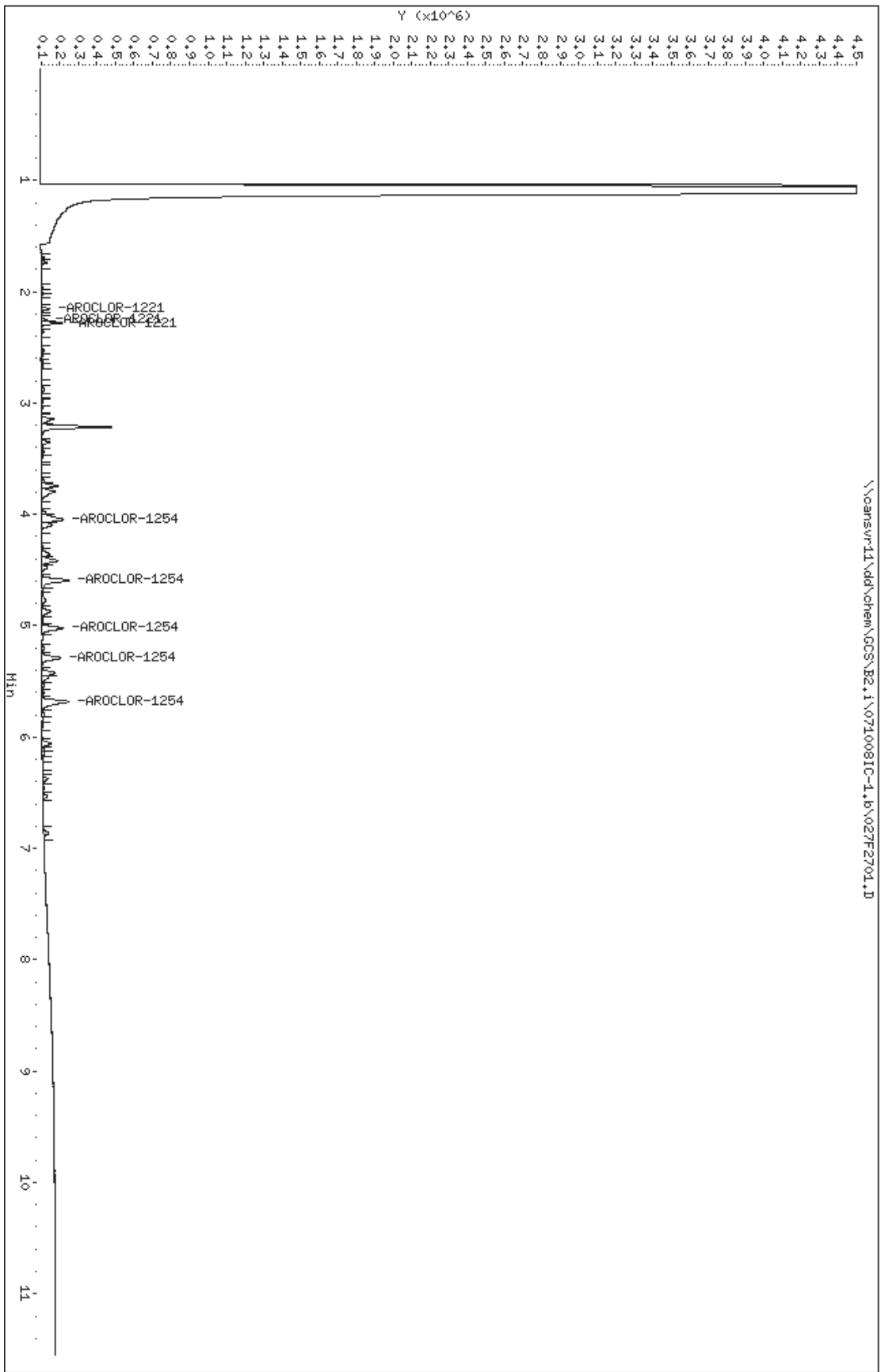
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	63163	0.10000	0.1000	0.00- 0.00	100.00	
2.255	2.255	0.000	37643	0.10000	0.1000	0.00- 0.00	59.60	
2.282	2.282	0.000	164593	0.10000	0.1000	0.00- 0.00	260.58	
Average of Peak Amounts =			0.10000					

QC Flag Legend

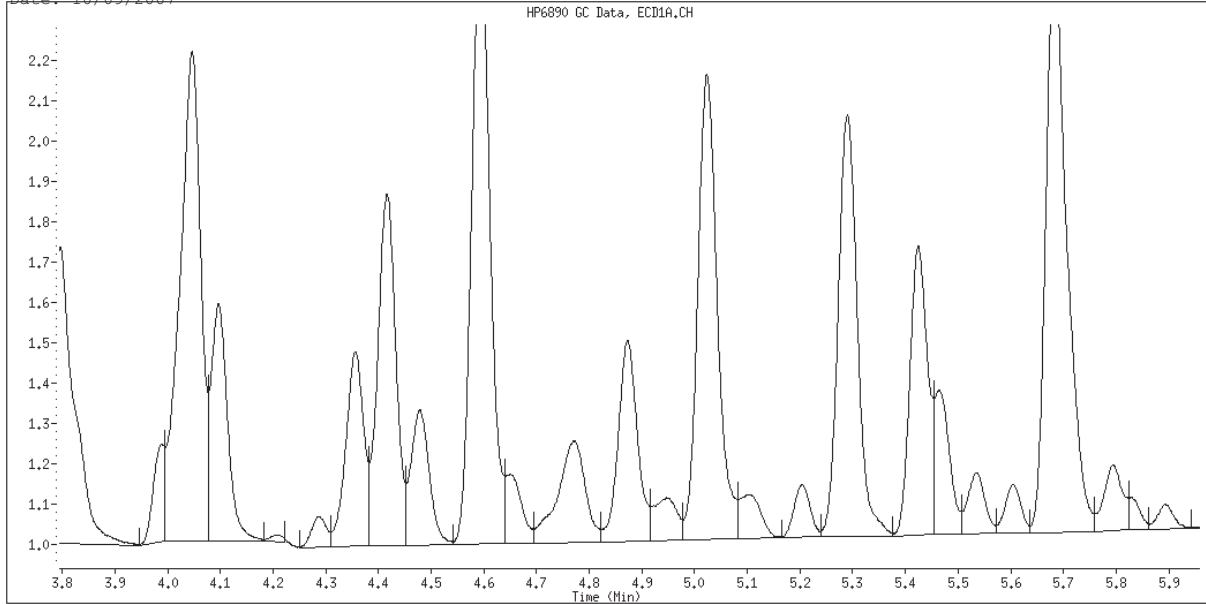
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\027F2701.D
 Date : 08-OCT-2007 18:53
 Client ID:
 Sample Info: 2154,1,1
 Column phase: restek pest c1p1

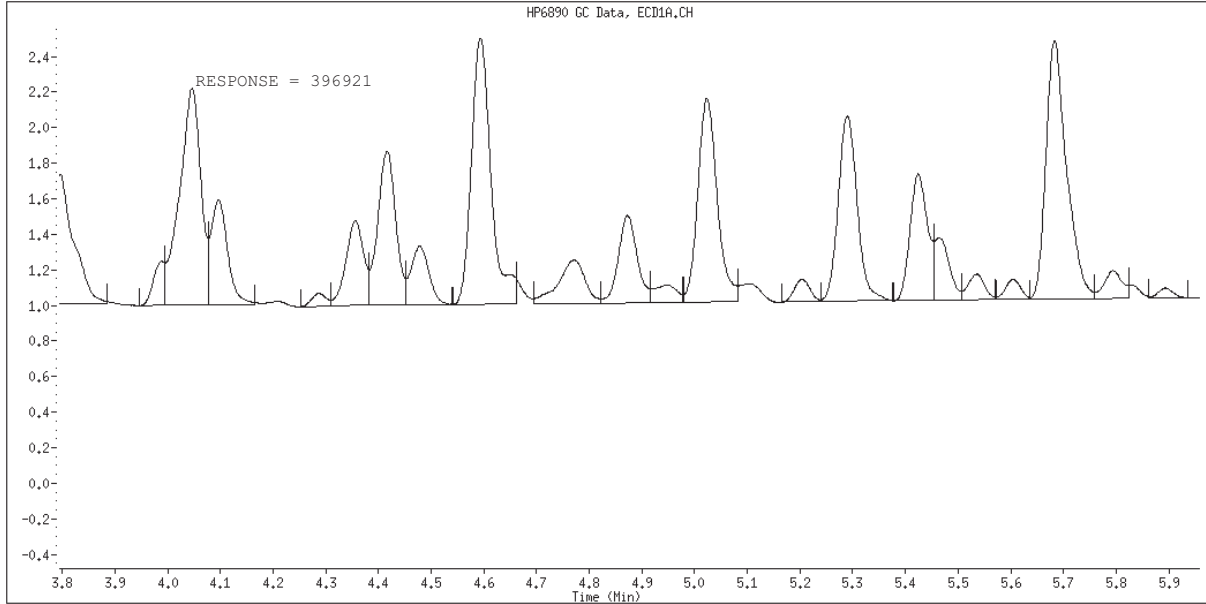
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 08-OCT-2007 18:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:08
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,2
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
 Als bottle: 28 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	658330	0.20000	0.2204	75.00- 125.00	100.00	(M)
4.593	4.594	-0.001	735725	0.20000	0.2150	86.44- 144.07	111.76	
5.023	5.022	0.001	549217	0.20000	0.2137	64.92- 108.19	83.43	
5.289	5.289	0.000	489613	0.20000	0.2143	58.07- 96.78	74.37	
5.681	5.682	-0.001	760830	0.20000	0.2124	91.03- 151.72	115.57	
Average of Peak Amounts =				0.21516				

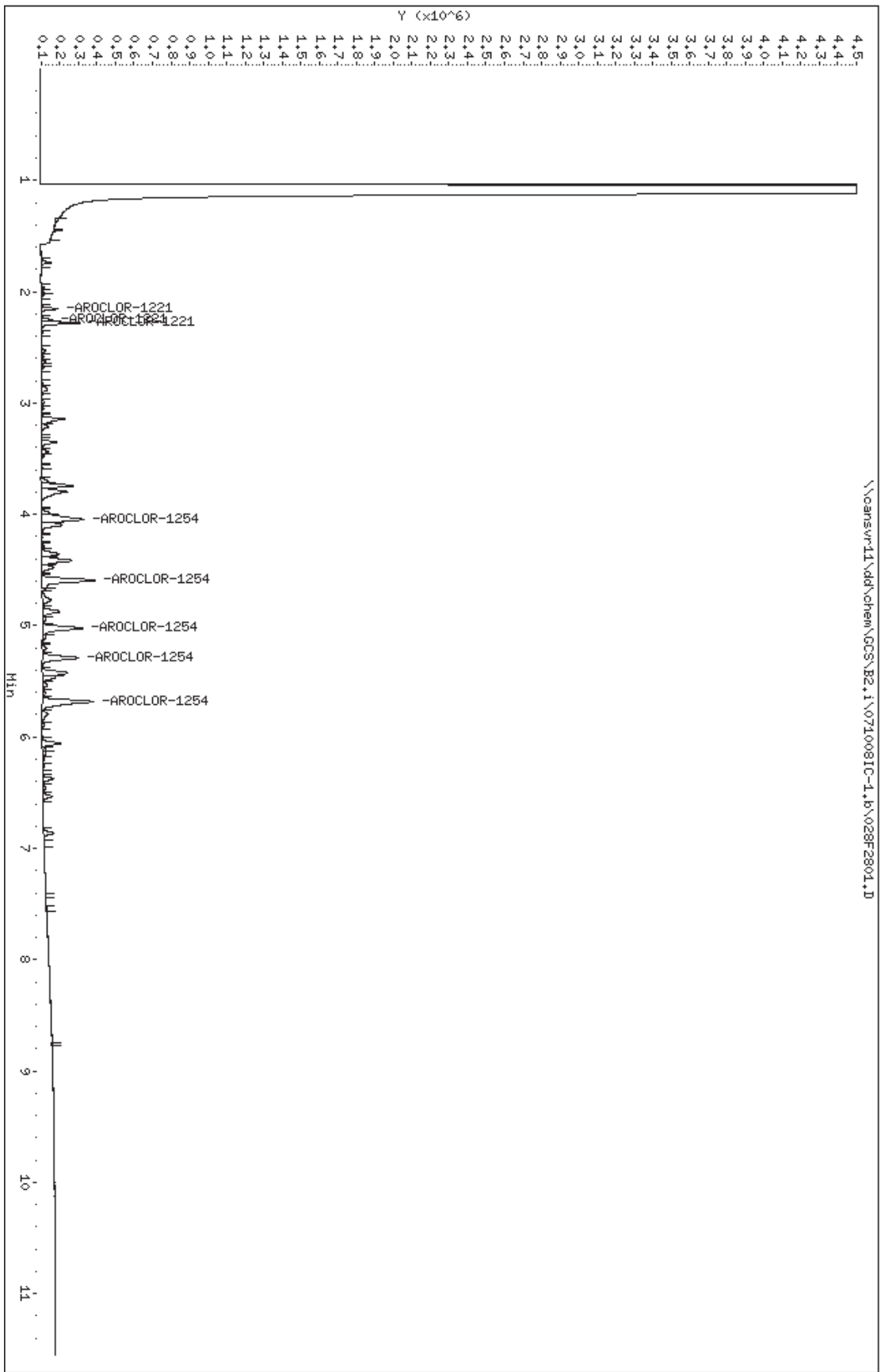
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	127136	0.20000	0.2252	75.00- 125.00	100.00	
2.254	2.254	0.000	73077	0.20000	0.2236	44.64- 74.40	57.48	
2.282	2.282	0.000	315332	0.20000	0.2256	179.68- 299.46	248.03	
Average of Peak Amounts =				0.22480				

QC Flag Legend

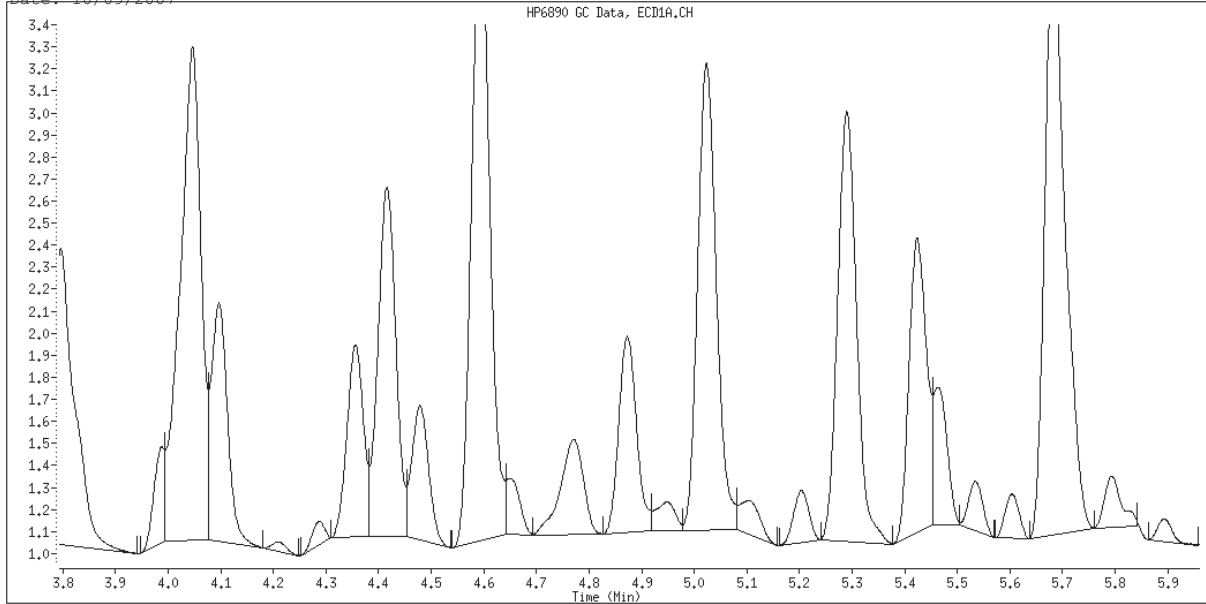
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\028F2801.D
 Date : 08-OCT-2007 19:08
 Client ID:
 Sample Info: 2154,1,2
 Column phase: restek pest c1p1

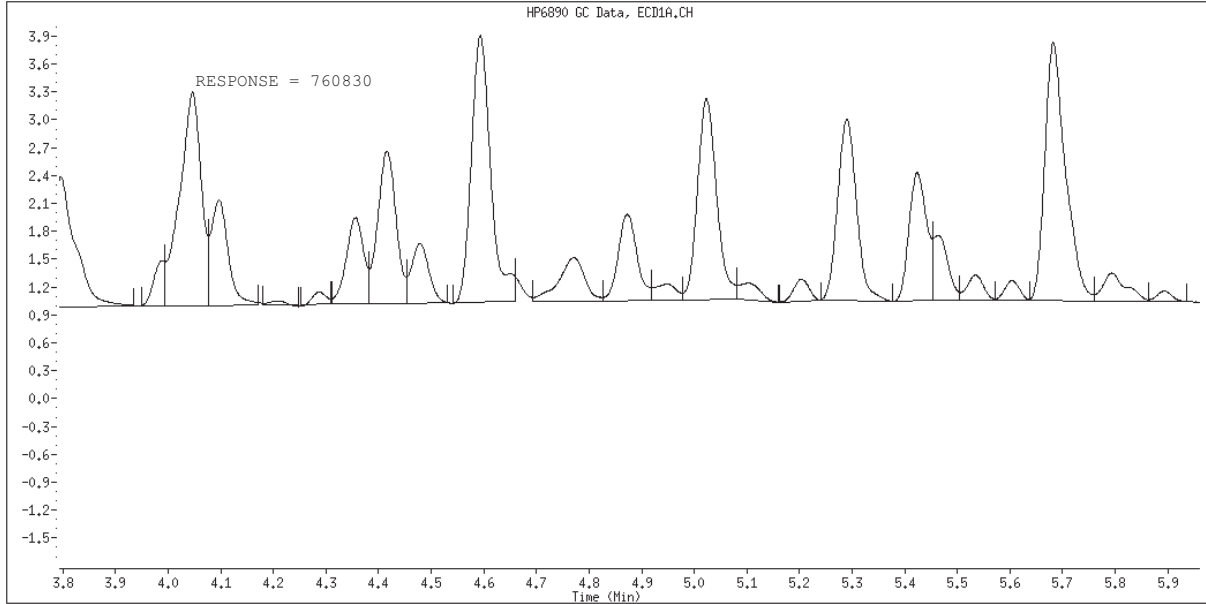
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 028F2801.D
Inj. Date and Time: 08-OCT-2007 19:08
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:22
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,3
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
 Als bottle: 29 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	1547013 0.50000	0.5154	75.00- 125.00	100.00 (M)	
4.594	4.594	0.000	1751536 0.50000	0.5084	86.44- 144.07	113.22	
5.022	5.022	0.000	1402396 0.50000	0.5353	64.92- 108.19	90.65	
5.289	5.289	0.000	1228850 0.50000	0.5317	58.07- 96.78	79.43	
5.682	5.682	0.000	1882231 0.50000	0.5198	91.03- 151.72	121.67	
Average of Peak Amounts =				0.52212			

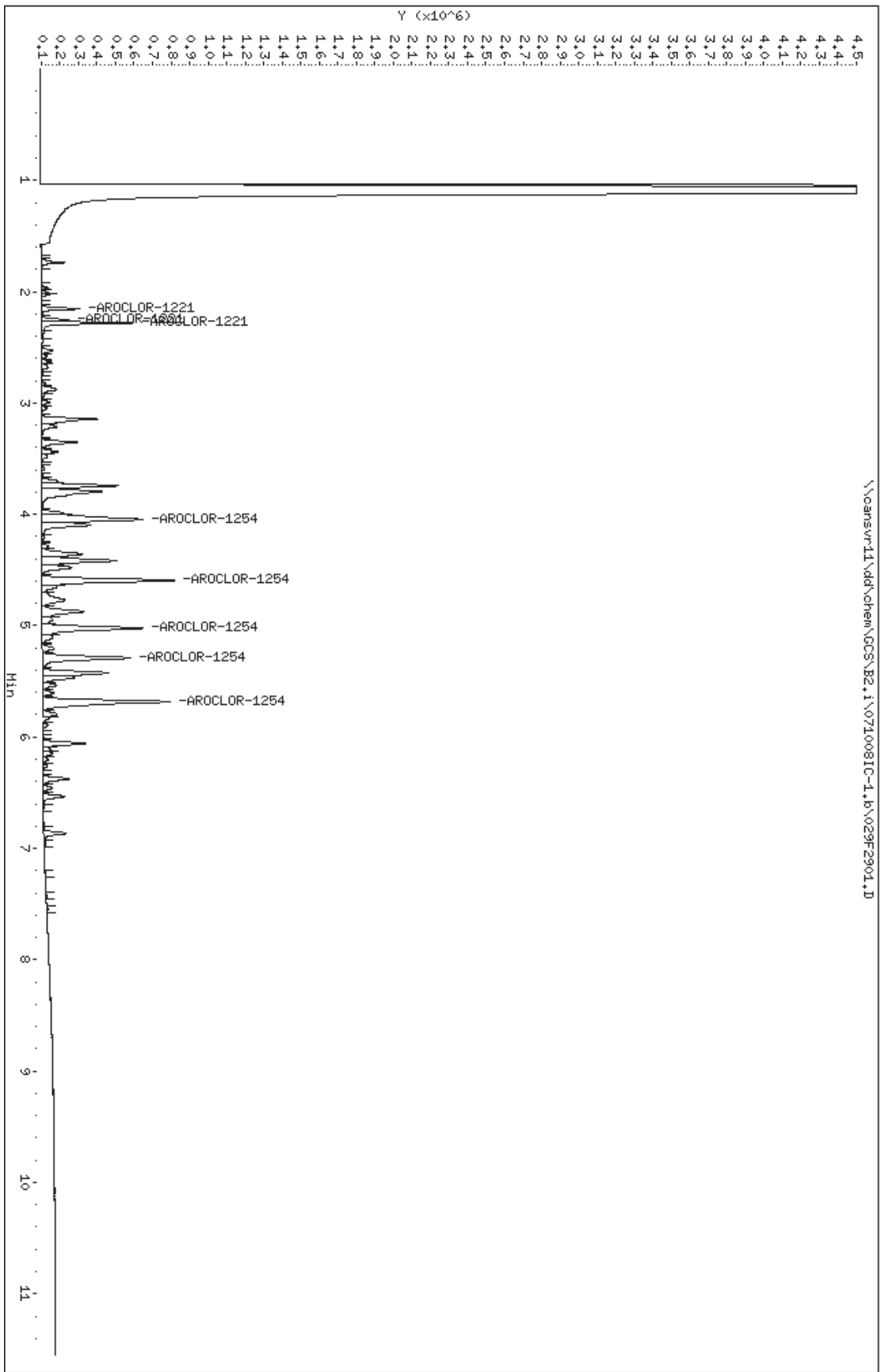
2 AROCLOR-1221				CAS #: 11104-28-2			
2.154	2.154	0.000	295052 0.50000	0.5225	75.00- 125.00	100.00	
2.254	2.254	0.000	174036 0.50000	0.5326	44.64- 74.40	58.98	
2.282	2.282	0.000	720108 0.50000	0.5153	179.68- 299.46	244.06	
Average of Peak Amounts =				0.52347			

QC Flag Legend

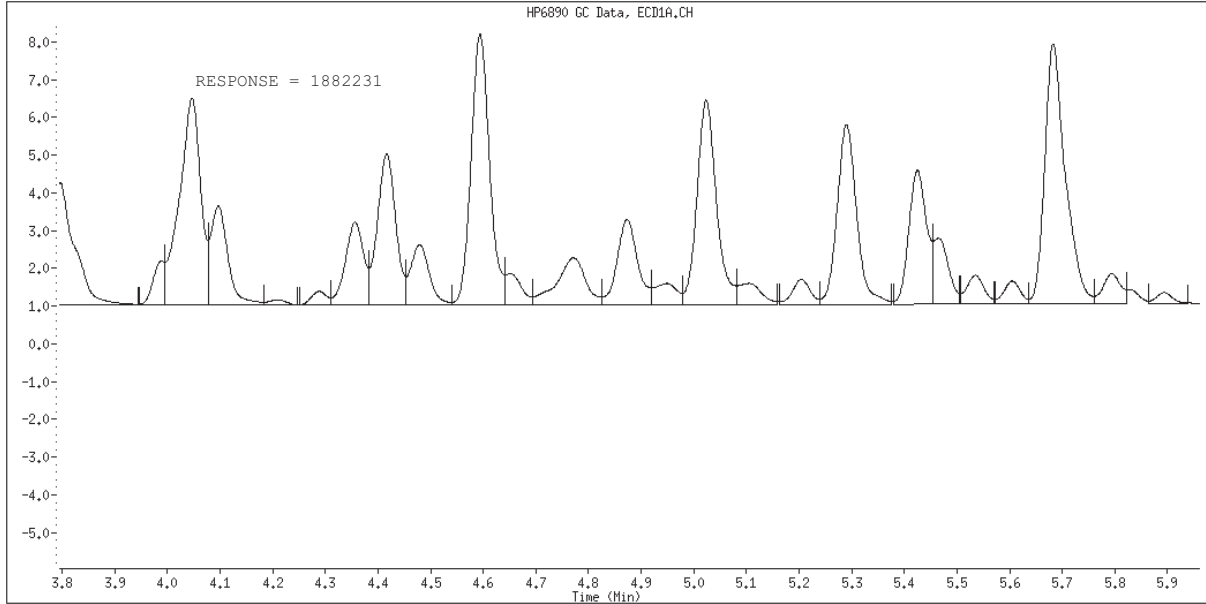
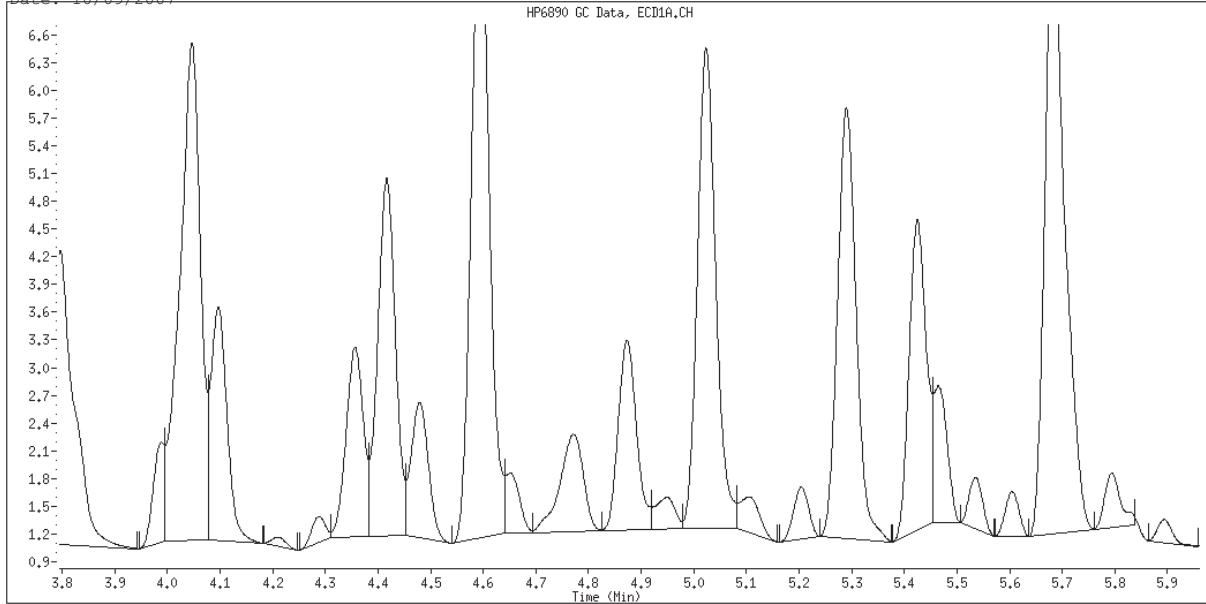
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\029F2901.D
Date : 08-OCT-2007 19:22
Client ID:
Sample Info: 2154,1.3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 029F2901.D
Inj. Date and Time: 08-OCT-2007 19:22
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:36
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,4
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
 Als bottle: 30 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	2877123 1.00000	0.9513	80.00- 120.00	100.00(M)	
4.595	4.595	0.000	3286638 1.00000	0.9480	85.68- 142.79	114.23	
5.024	5.024	0.000	2591924 1.00000	0.9758	67.57- 112.61	90.09	
5.290	5.290	0.000	2228730 1.00000	0.9570	58.10- 96.83	77.46	
5.683	5.683	0.000	3482902 1.00000	0.9550	90.79- 151.32	121.06	
Average of Peak Amounts =				0.95742			

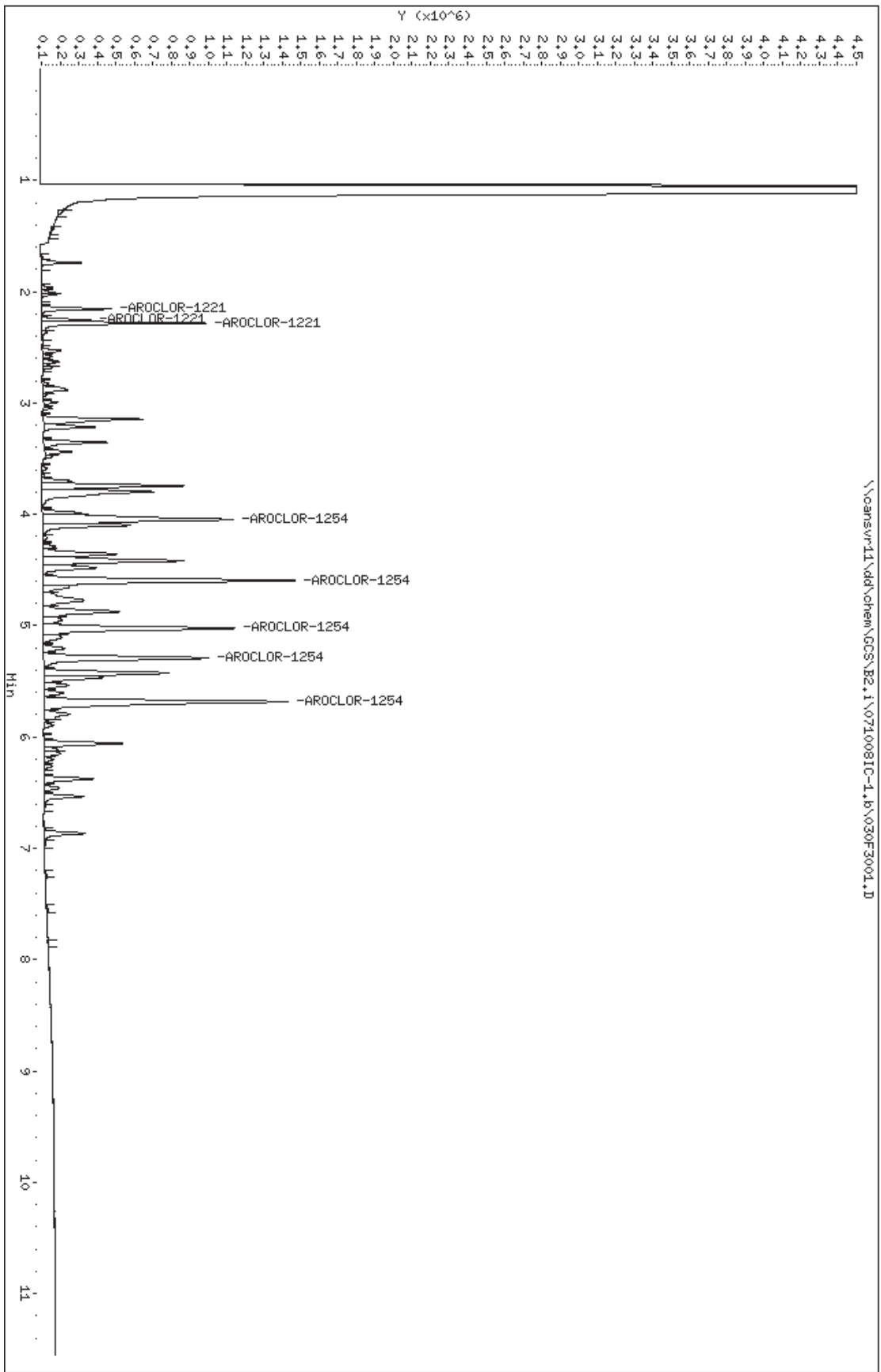
2 AROCLOR-1221				CAS #: 11104-28-2			
2.155	2.155	0.000	537818 1.00000	0.9525	80.00- 120.00	100.00	
2.255	2.255	0.000	320099 1.00000	0.9796	44.64- 74.40	59.52	
2.282	2.282	0.000	1288442 1.00000	0.9219	179.68- 299.46	239.57	
Average of Peak Amounts =				0.95133			

QC Flag Legend

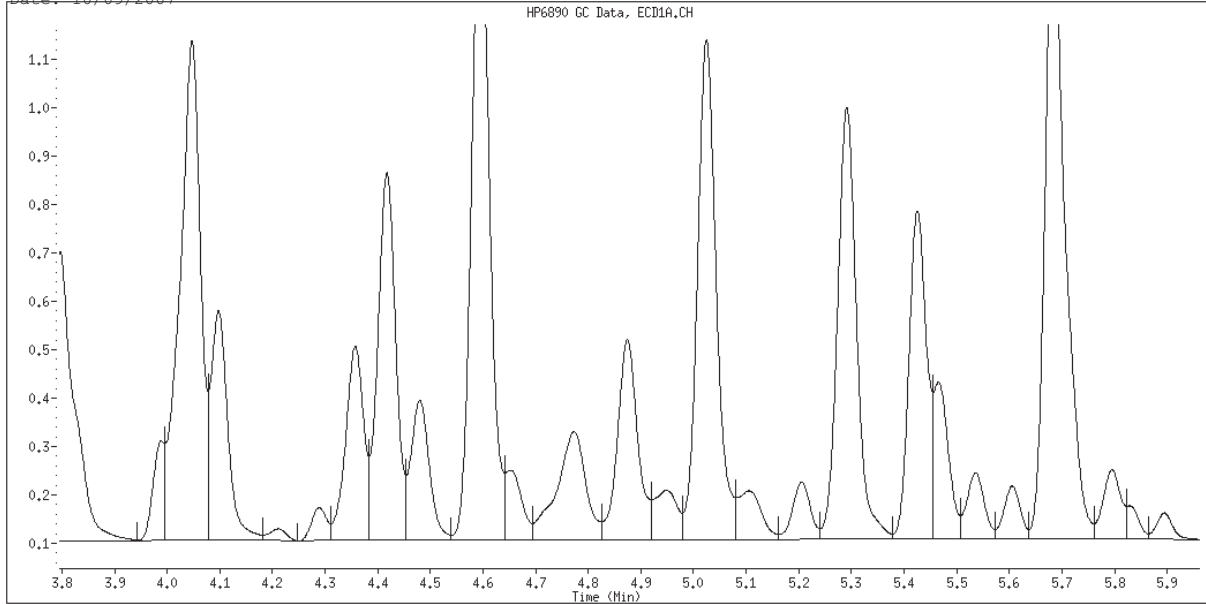
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\030F3001.D
Date : 08-OCT-2007 19:36
Client ID:
Sample Info: 2154,1,4
Column phase: restek pest c1p1

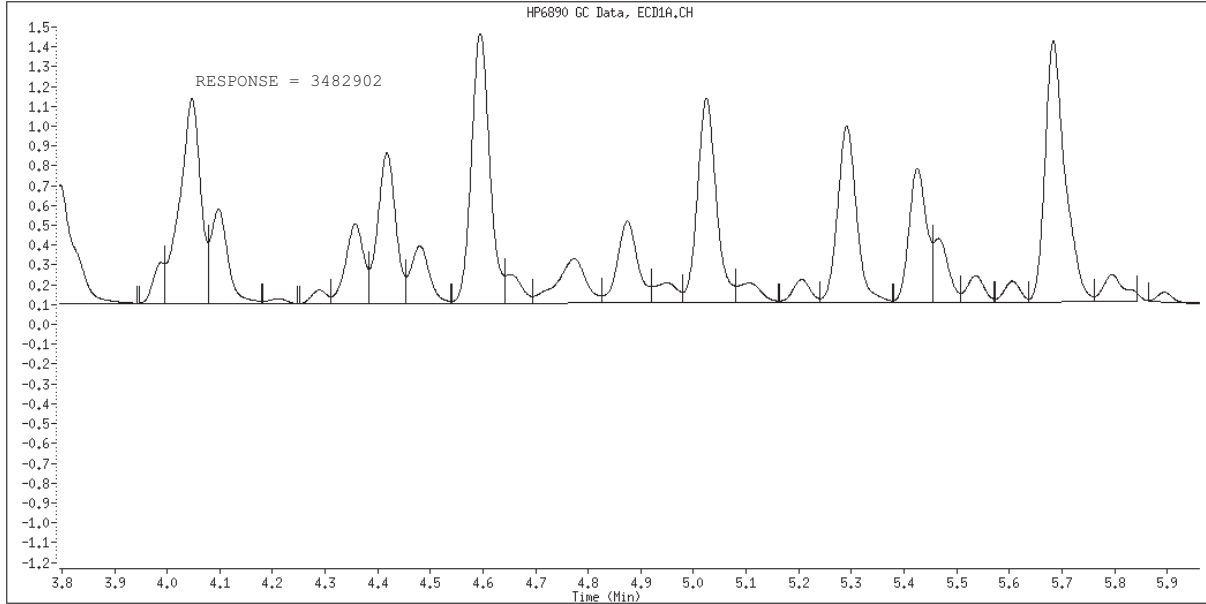
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 030F3001.D
Inj. Date and Time: 08-OCT-2007 19:36
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:50
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,5
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
 Als bottle: 31 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.047	4.047	0.000	5801945	2.00000	1.904 75.00- 125.00	100.00(M)	
4.593	4.593	0.000	6788289	2.00000	1.945 85.68- 142.79	117.00	
5.023	5.023	0.000	5374460	2.00000	1.992 67.57- 112.61	92.63	
5.290	5.290	0.000	4565576	2.00000	1.942 58.10- 96.83	78.69	
5.682	5.682	0.000	7254614	2.00000	1.973 90.79- 151.32	125.04	
Average of Peak Amounts =				1.95120			

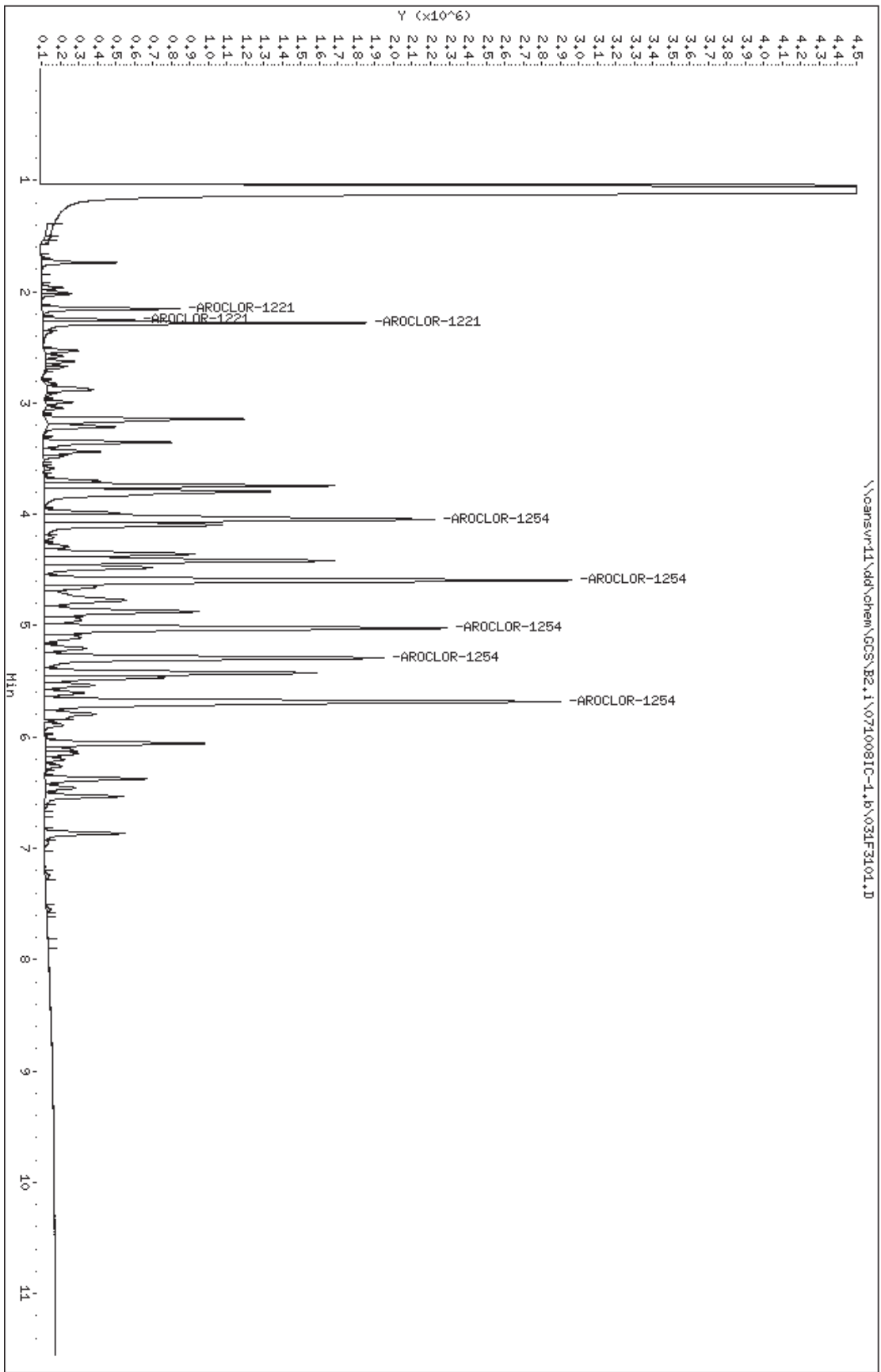
2 AROCLOR-1221				CAS #: 11104-28-2			
2.154	2.154	0.000	1028147	2.00000	1.821 75.00- 125.00	100.00	
2.254	2.254	0.000	575194	2.00000	1.760 44.64- 74.40	55.94	
2.282	2.282	0.000	2496550	2.00000	1.786 179.68- 299.46	242.82	
Average of Peak Amounts =				1.78900			

QC Flag Legend

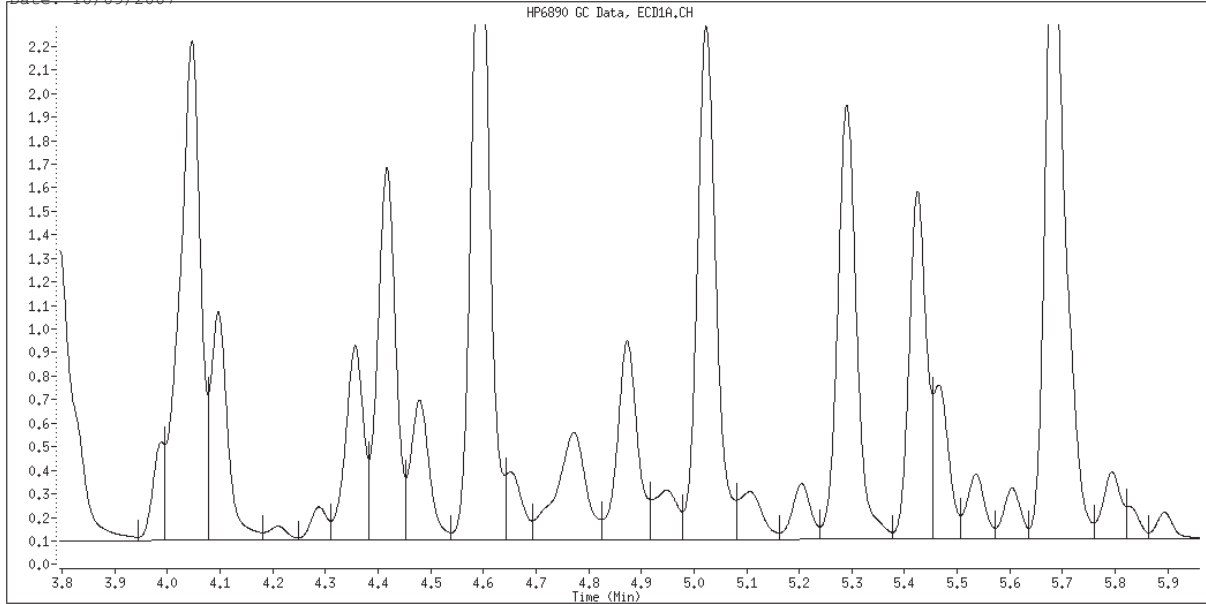
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\031F3101.D
Date : 08-OCT-2007 19:50
Client ID:
Sample Info: 2154,1,5
Column phase: restek pest c1p1

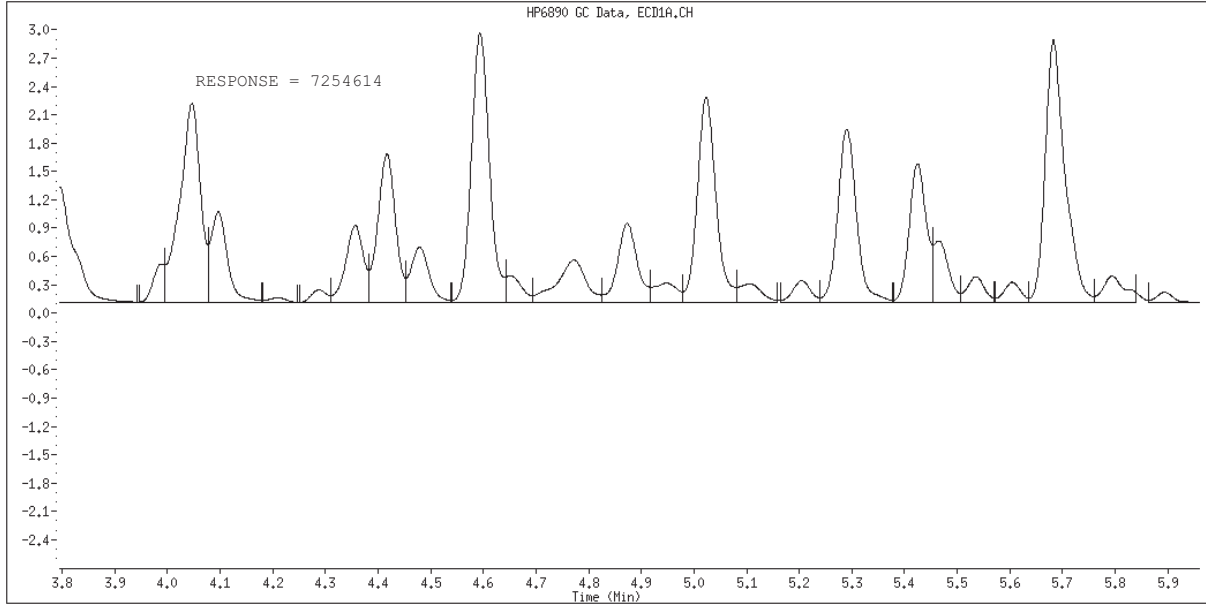
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 031F3101.D
Inj. Date and Time: 08-OCT-2007 19:50
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
 Report Date: 09-Oct-2007 10:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 20:04
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,6
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 32 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	11235978	4.00000	3.661	75.00-	125.00	100.00(M)
4.593	4.593	0.000	13252393	4.00000	3.774	85.68-	142.79	117.95
5.022	5.022	0.000	10537789	4.00000	3.853	67.57-	112.61	93.79
5.290	5.290	0.000	8869355	4.00000	3.740	58.10-	96.83	78.94
5.682	5.682	0.000	14293565	4.00000	3.859	90.79-	151.32	127.21
Average of Peak Amounts =				3.77740				

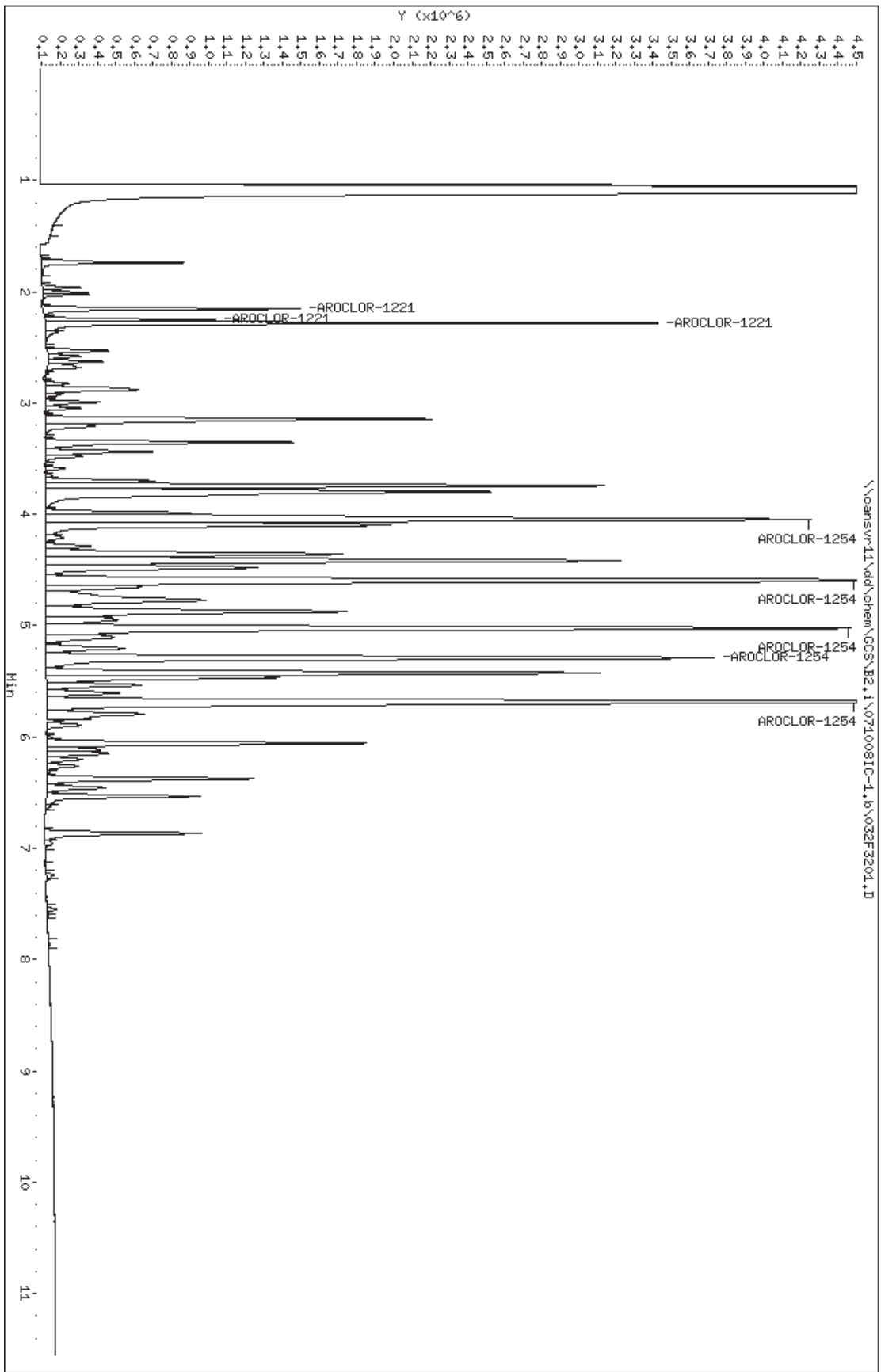
2 AROCLOR-1221			CAS #: 11104-28-2					
2.155	2.155	0.000	1914387	4.00000	3.390	75.00-	125.00	100.00
2.255	2.255	0.000	1051617	4.00000	3.218	44.64-	74.40	54.93
2.282	2.282	0.000	4743393	4.00000	3.394	179.68-	299.46	247.78
Average of Peak Amounts =				3.33400				

QC Flag Legend

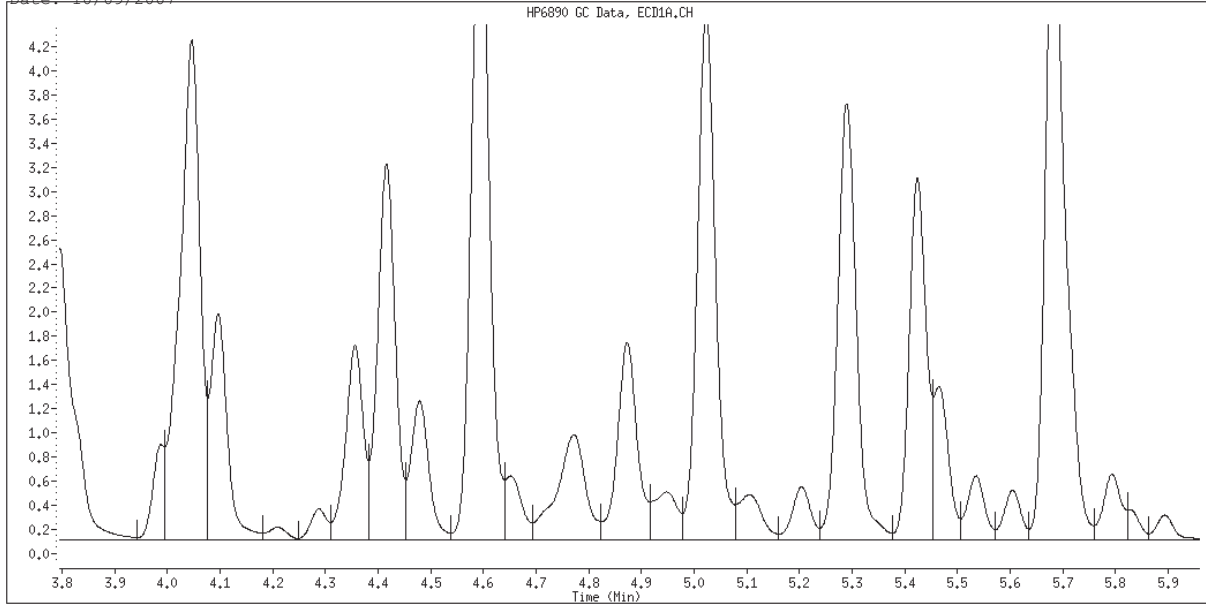
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\CCS\B2.1\0710081C-1.1\032F3201.D
Date: 08-OCT-2007 20:04
Client ID:
Sample Info: 2154, 1.6
Column phase: restek pest c1p1

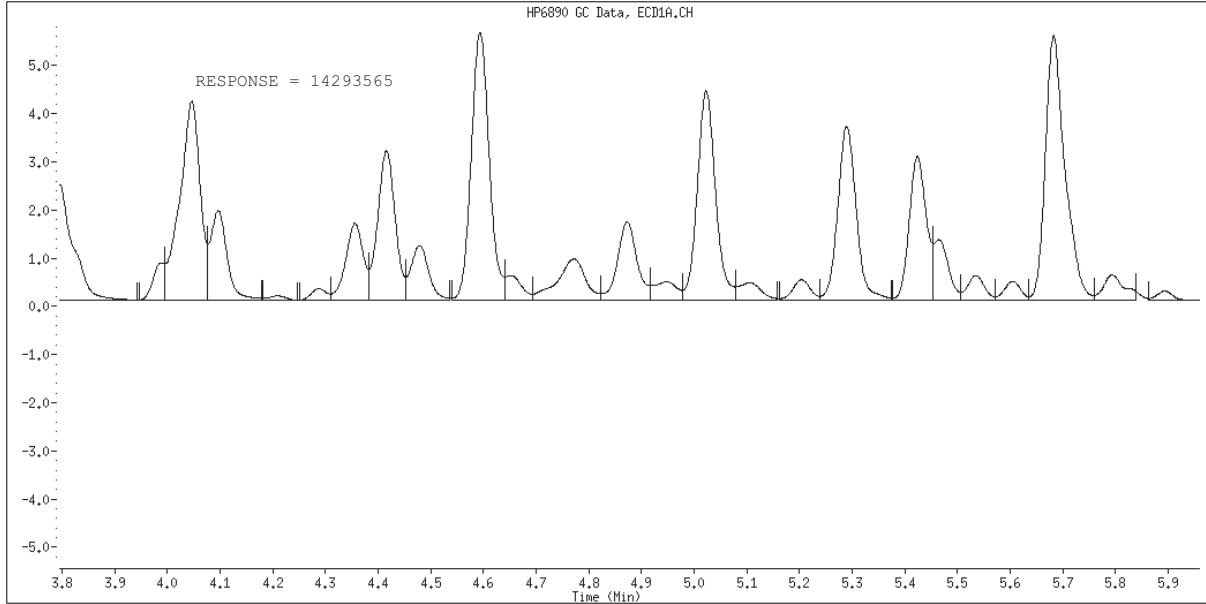
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 032F3201.D
Inj. Date and Time: 08-OCT-2007 20:04
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Report Date: 09-Oct-2007 12:39

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:43
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,1
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
Als bottle: 15 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

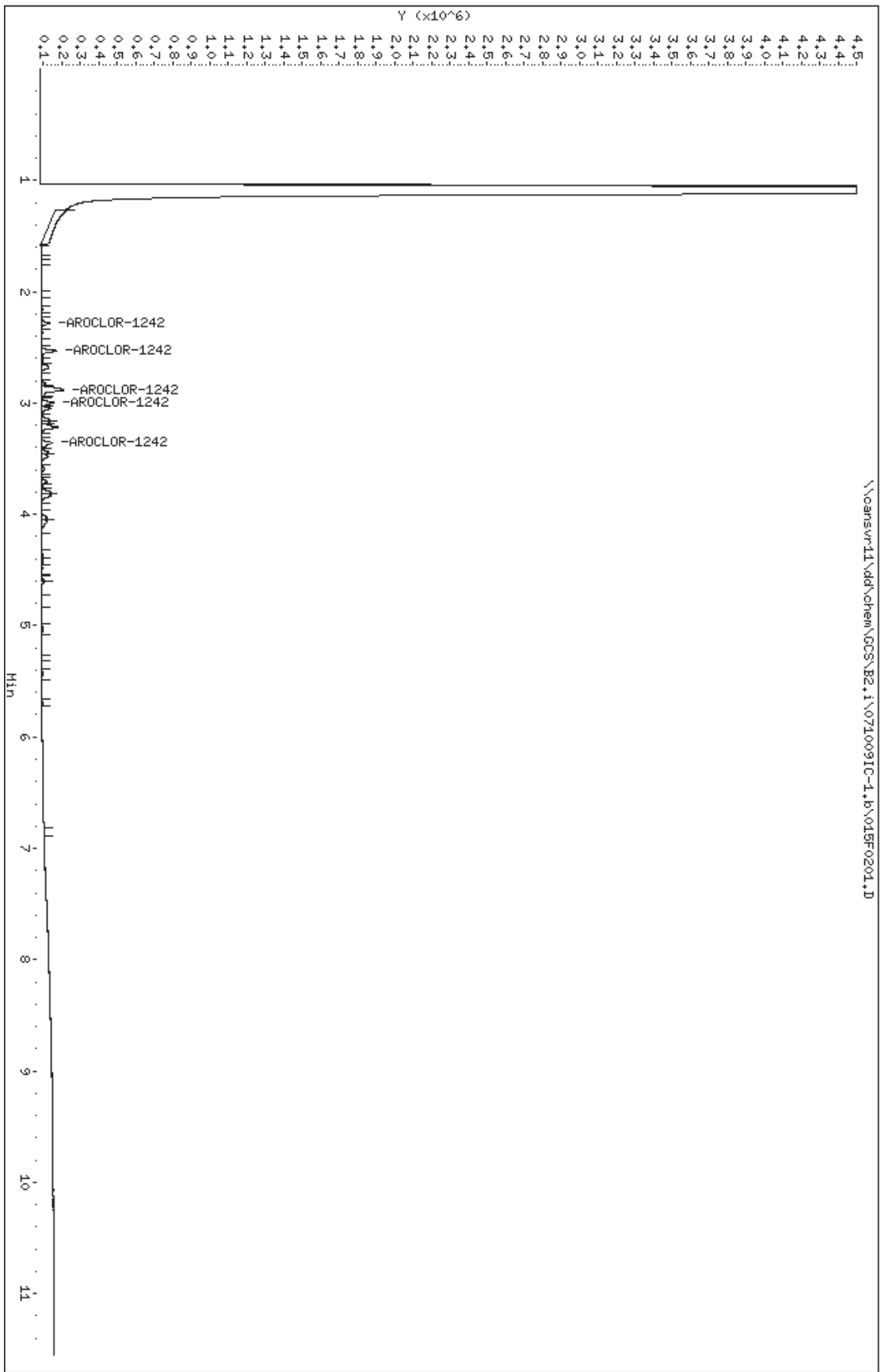
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	84512 0.10000	0.1062	75.00- 125.00	100.00(M)	
2.531	2.531	0.000	140950 0.10000	0.09546	148.91- 248.19	166.78	
2.885	2.885	0.000	307719 0.10000	0.09444	323.40- 539.00	364.11	
2.995	2.995	0.000	131639 0.10000	0.09177	144.54- 240.90	155.76	
3.358	3.358	0.000	127635 0.10000	0.08579	174.04- 290.06	151.03	
Average of Peak Amounts =				0.09473			

QC Flag Legend

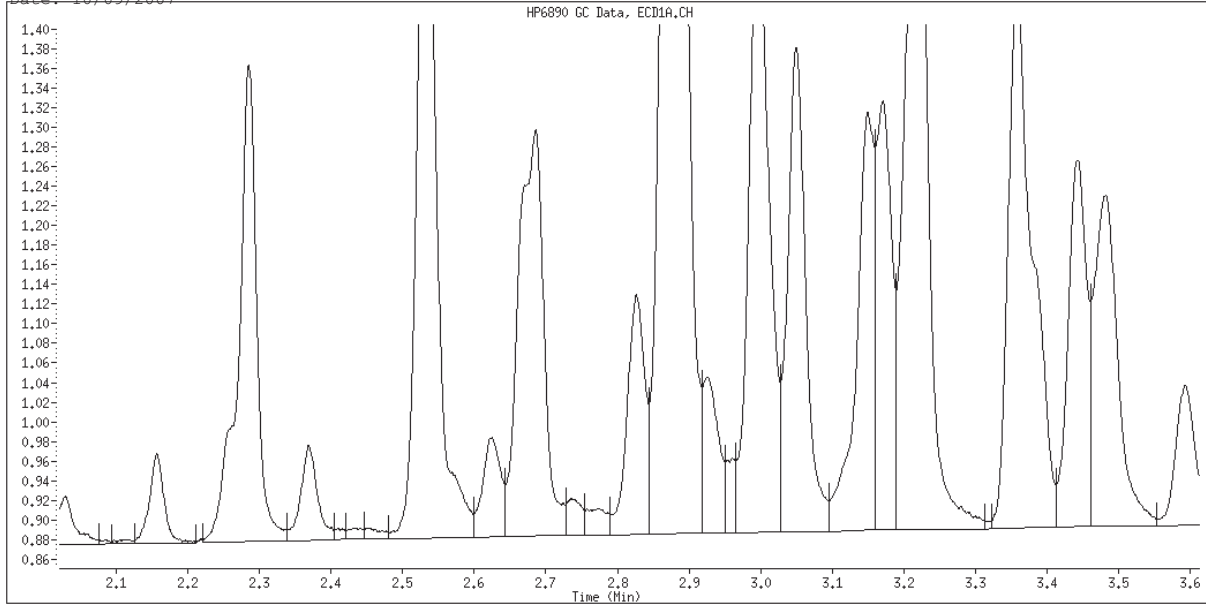
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.6\01SF0201.D
Date : 09-OCT-2007 11:43
Client ID:
Sample Info: 1242,1,1
Column phase: restek pest c1p1

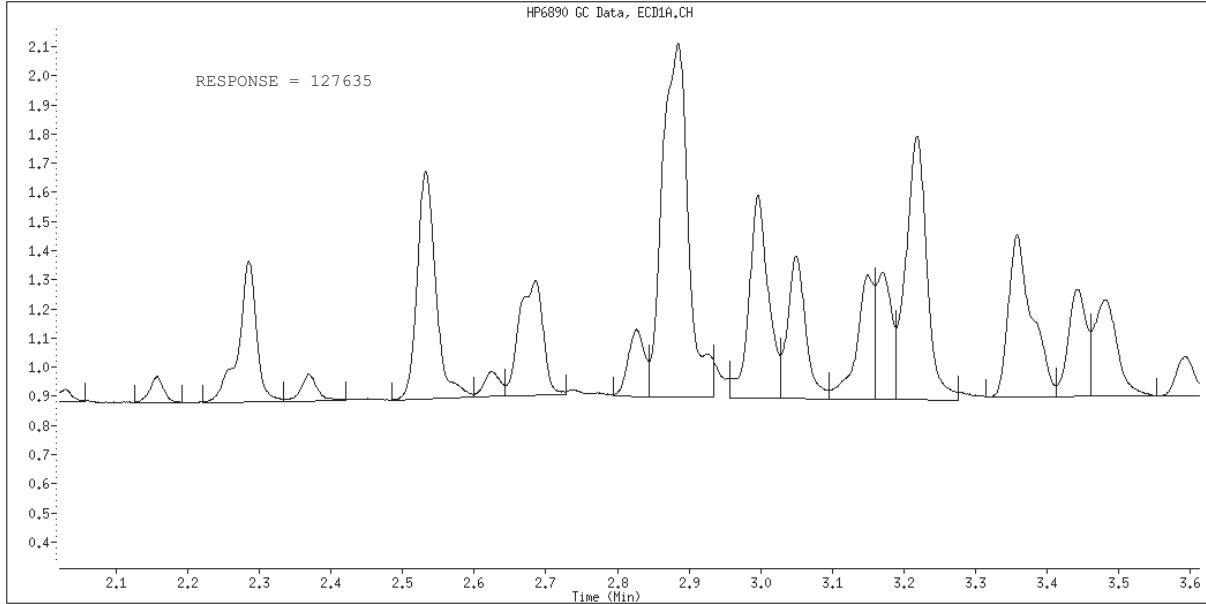
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 015F0201.D
Inj. Date and Time: 09-OCT-2007 11:43
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1242
CAS #: 53469-21-9
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Report Date: 09-Oct-2007 12:37

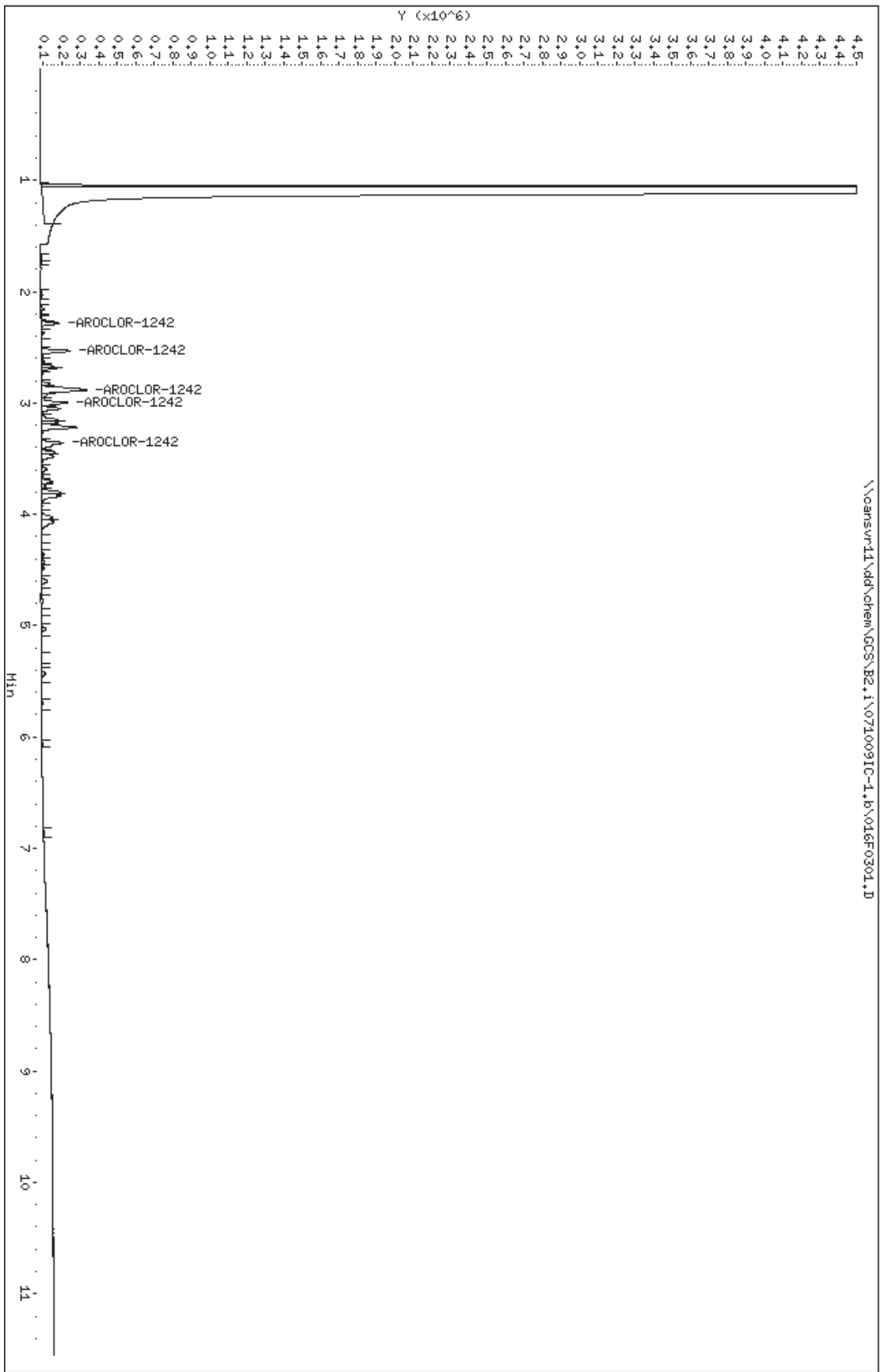
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:57
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,2
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
2.286	2.286	0.000	150790	0.20000	0.07807	75.00- 125.00	100.00
2.533	2.533	0.000	293903	0.20000	0.07914	148.91- 248.19	194.91
2.886	2.886	0.000	602572	0.20000	0.07043	323.40- 539.00	399.61
2.997	2.997	0.000	280427	0.20000	0.07734	144.54- 240.90	185.97
3.359	3.359	0.000	280910	0.20000	0.07340	174.04- 290.06	186.29
Average of Peak Amounts =				0.07568			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\016F0301.D
Date : 09-OCT-2007 11:57
Client ID:
Sample Info: 1242,1,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
Report Date: 09-Oct-2007 12:37

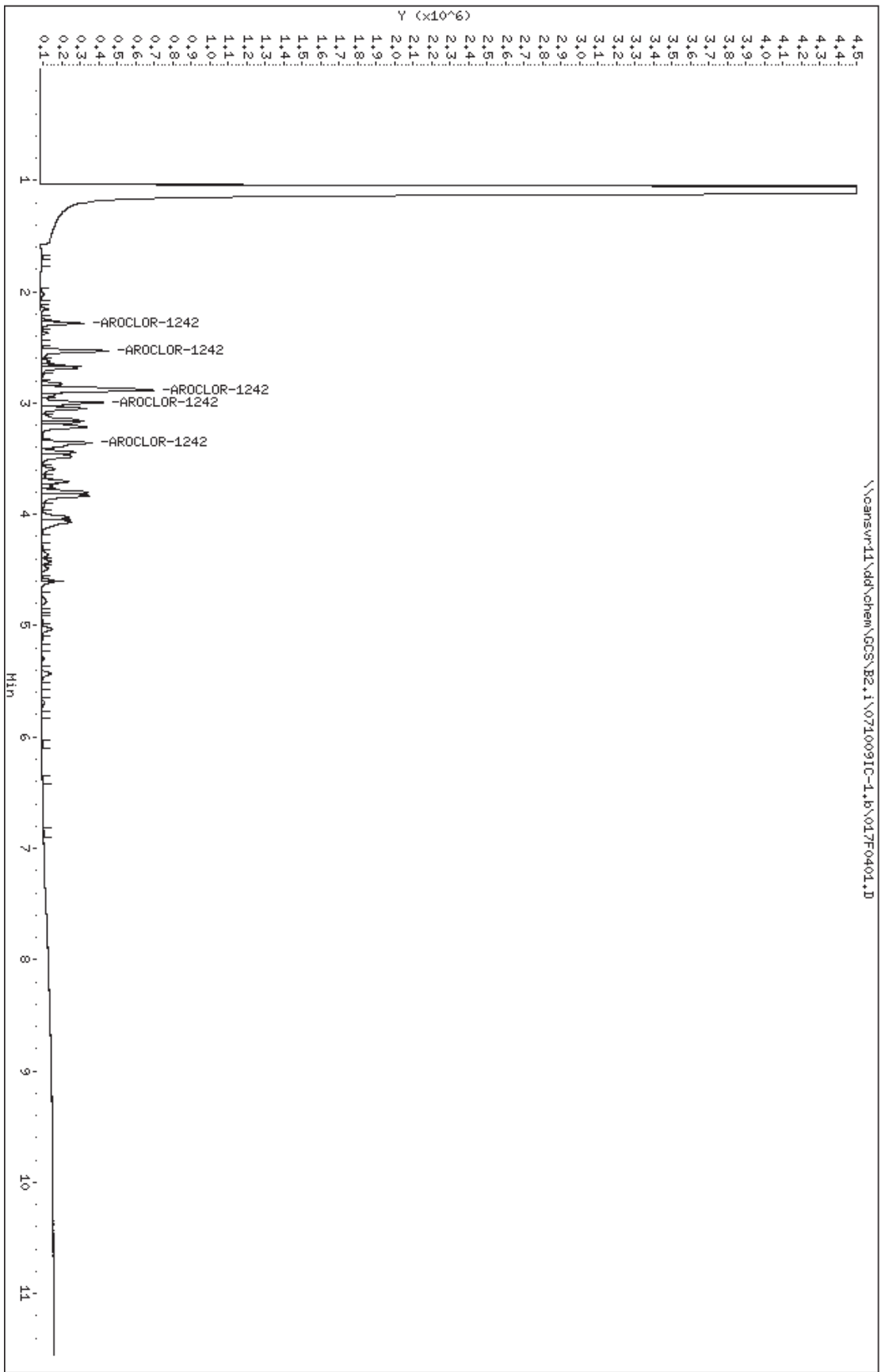
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:11
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,3
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	349197 0.50000	0.4388	75.00- 125.00	100.00	
2.532	2.532	0.000	671331 0.50000	0.4547	148.91- 248.19	192.25	
2.885	2.885	0.000	1433549 0.50000	0.4467	323.40- 539.00	410.53	
2.996	2.996	0.000	652794 0.50000	0.4671	144.54- 240.90	186.94	
3.358	3.358	0.000	645208 0.50000	0.4337	174.04- 290.06	184.77	
Average of Peak Amounts =				0.44820			

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710091C-1.6\017F0401.D
Date : 09-OCT-2007 12:11
Client ID:
Sample Info: 1242,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Report Date: 09-Oct-2007 12:46

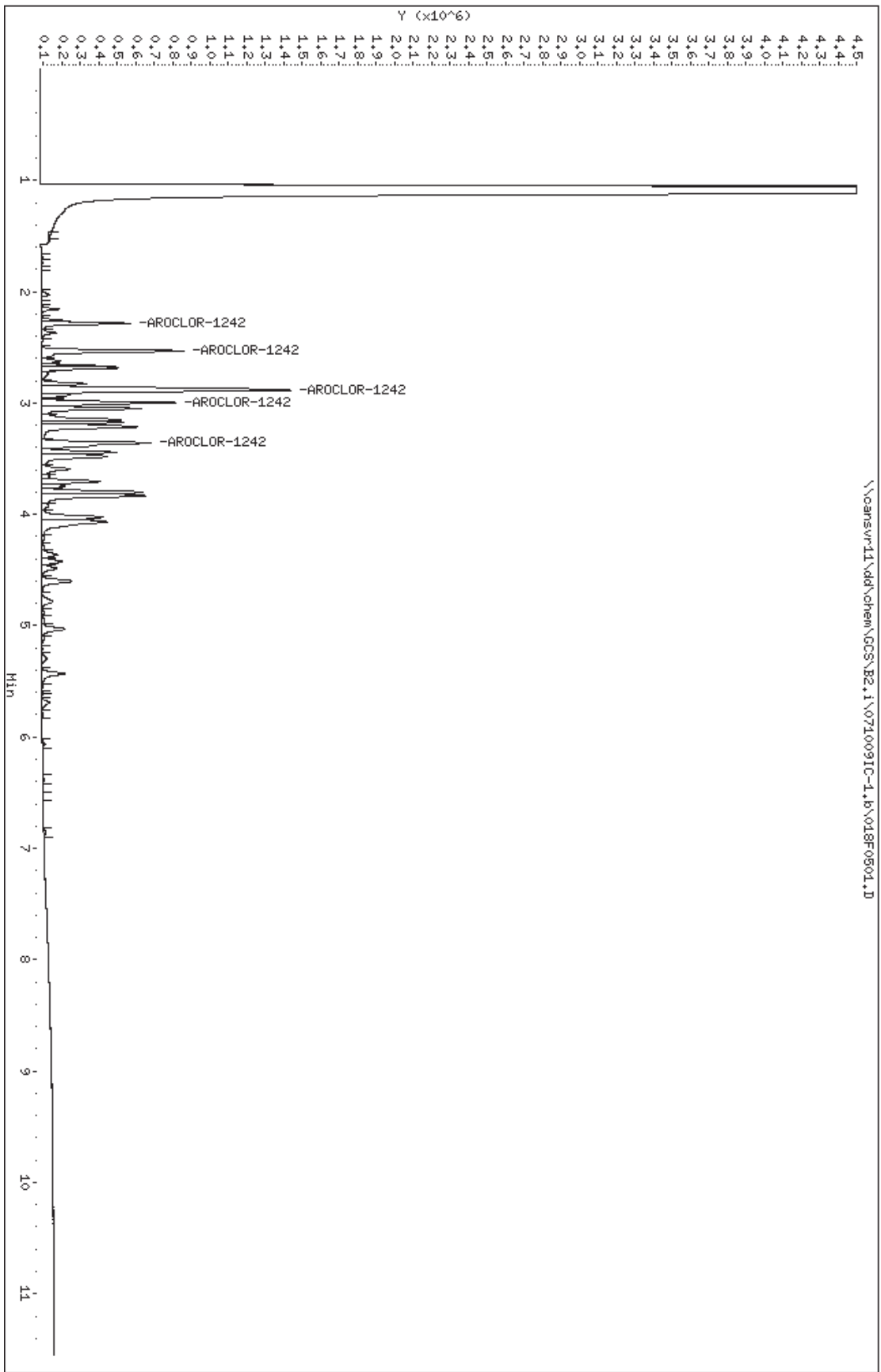
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:26
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,4
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:46 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.286	2.286	0.000	722505	1.00000	0.9276 80.00- 120.00	100.00	
2.532	2.532	0.000	1406638	1.00000	0.9779 146.02- 243.36	194.69	
2.885	2.885	0.000	3146597	1.00000	0.9861 326.63- 544.39	435.51	
2.996	2.996	0.000	1345801	1.00000	0.9652 139.70- 232.84	186.27	
3.358	3.358	0.000	1380697	1.00000	0.9866 143.32- 238.87	191.10	
Average of Peak Amounts =			0.96868				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.1\018F0501.D
Date : 09-OCT-2007 12:26
Client ID:
Sample Info: 1242,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
Report Date: 09-Oct-2007 12:55

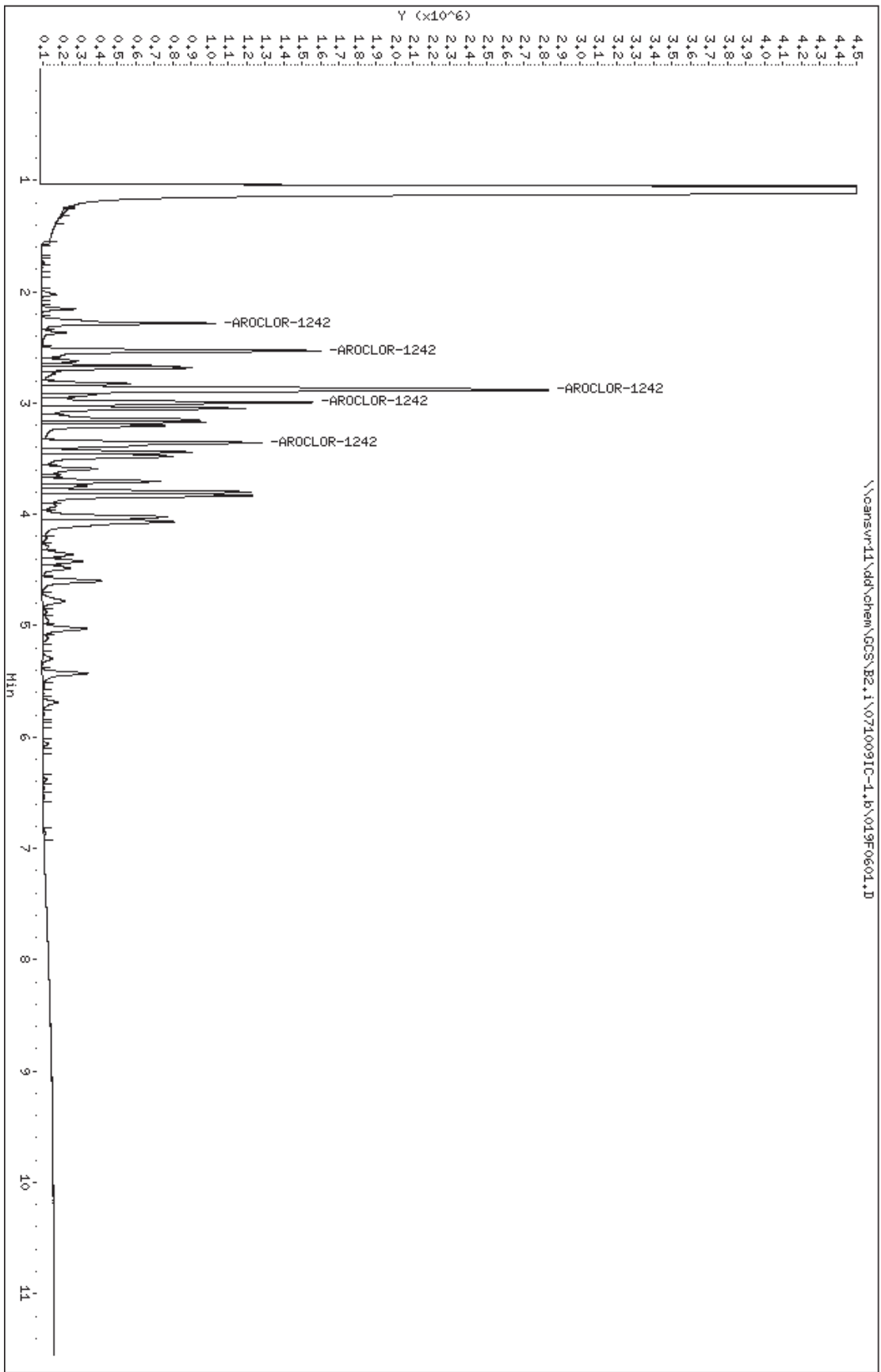
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:40
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,5
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:55 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	1638422	2.00000	2.135 75.00- 125.00	100.00	
2.531	2.531	0.000	2769931	2.00000	1.949 146.02- 243.36	169.06	
2.884	2.884	0.000	6349766	2.00000	2.019 326.63- 544.39	387.55	
2.995	2.995	0.000	2777777	2.00000	2.019 139.70- 232.84	169.54	
3.356	3.356	0.000	2750752	2.00000	1.992 143.32- 238.87	167.89	
Average of Peak Amounts =			2.02280				

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710091C-1.b\019F0601.D
Date : 09-OCT-2007 12:40
Client ID:
Sample Info: 1242,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
Report Date: 09-Oct-2007 13:10

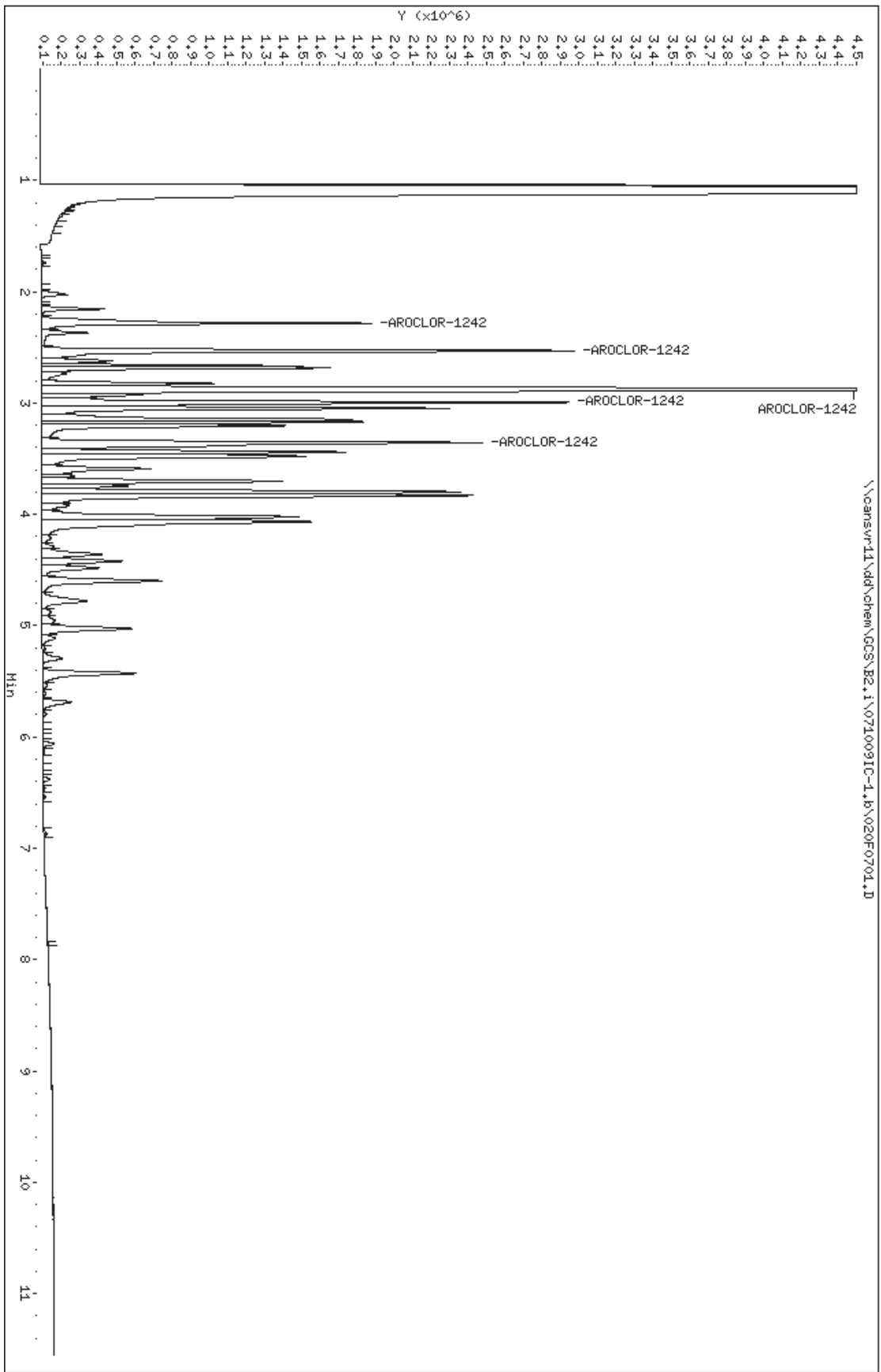
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:54
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,6
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 13:10 target Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 20 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.284	2.284	0.000	3108162	4.00000	4.040 75.00- 125.00	100.00	
2.531	2.531	0.000	5282303	4.00000	3.803 146.02- 243.36	169.95	
2.884	2.884	0.000	12531967	4.00000	4.084 326.63- 544.39	403.20	
2.994	2.994	0.000	5407955	4.00000	4.000 139.70- 232.84	173.99	
3.356	3.356	0.000	5431624	4.00000	4.031 143.32- 238.87	174.75	
Average of Peak Amounts =				3.99160			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.1\020F0701.D
Date : 09-OCT-2007 12:54
Client ID:
Sample Info: 1242,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA-NORTH CANTON Contract:

Lab Code: TALCAN Case No.: SAS No.: SDG No.: A7K080389

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 10/08/07 10/09/07

Instrument ID: B2

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
			S1 : 2.05 S2 : 8.06			
CLIENT	LAB	DATE	TIME	S1	S2	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT
				#		#
01	1660	11/08/07	2200	2.06		8.07
02	KAVFKBLK	11/08/07	2214	2.06		8.07
03	KAVFKCHK	11/08/07	2228	2.06		8.07
04	1660	11/09/07	0257	2.05		8.06
05	S-387-110807	11/09/07	0340	2.05		8.06
06	S-387-110807	11/09/07	0354	2.05		8.06
07	1660	11/09/07	0408	2.05		8.06
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
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21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

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

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		

```
08-OCT-2007 19:36 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
-----+-----+-----
```

```
-----+-----+-----
Cal Level: 5 , Cal Amount: 2.00000
-----+-----+-----
```

```
08-OCT-2007 19:50 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
08-OCT-2007 18:25 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
-----+-----+-----
```

```
-----+-----+-----
Cal Level: 6 , Cal Amount: 4.00000
-----+-----+-----
```

```
08-OCT-2007 20:04 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
08-OCT-2007 18:39 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
-----+-----+-----
```

```
Continuing Calibration
Cal Level Mode: GLOBAL LEVEL 4
-----+-----+-----
```

```
09-NOV-2007 04:08 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071108P2-1.b\028F2801.D
09-NOV-2007 02:57 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071108P2-1.b\023F2301.D
08-NOV-2007 22:00 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071108P2-1.b\002F0201.D
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```

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\002F0201.D
 Report Date: 09-Nov-2007 07:55

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 08-NOV-2007 22:00
 Lab File ID: 002F0201.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	42856924	43617710	0.010	-1.77518	15.00000		Averaged
3 AROCLOR-1016 (1)	697142	687026	0.010	1.45107	15.00000		Averaged
(2)	1484366	1397724	0.010	5.83698	15.00000		Averaged
(3)	3293976	3179591	0.010	3.47256	15.00000		Averaged
(4)	1409531	1403017	0.010	0.46215	15.00000		Averaged
(5)	1399558	1336062	0.010	4.53684	15.00000		Averaged
8 AROCLOR-1260 (1)	2131421	2062721	0.010	3.22322	15.00000		Averaged
(2)	3330972	3227820	0.010	3.09675	15.00000		Averaged
(3)	3803154	3826849	0.010	-0.62304	15.00000		Averaged
(4)	4181121	4153039	0.010	0.67164	15.00000		Averaged
(5)	2389695	2281255	0.010	4.53782	15.00000		Averaged
9 DCB	41849260	41239090	0.010	1.45802	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\002F0201.D
 Report Date: 09-Nov-2007 07:55

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 08-NOV-2007 22:00
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.056	2.056	0.000	4361771	0.10000	0.1018		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.280	2.280	0.000	687026	1.00000	0.9855	80.00-	120.00
2.526	2.526	0.000	1397724	1.00000	0.9416	152.58-	254.31
2.880	2.880	0.000	3179591	1.00000	0.9653	347.10-	578.51
2.990	2.990	0.000	1403017	1.00000	0.9954	153.16-	255.27
3.350	3.350	0.000	1336062	1.00000	0.9546	145.85-	243.09
Average of Peak Amounts =			0.96848				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.867	4.867	0.000	2062721	1.00000	0.9678	80.00-	120.00
5.284	5.284	0.000	3227820	1.00000	0.9690	117.36-	195.60
5.677	5.677	0.000	3826849	1.00000	1.006	139.14-	231.91
6.530	6.530	0.000	4153039	1.00000	0.9933	151.00-	251.67
6.861	6.861	0.000	2281255	1.00000	0.9546	82.95-	138.24
Average of Peak Amounts =			0.97814				

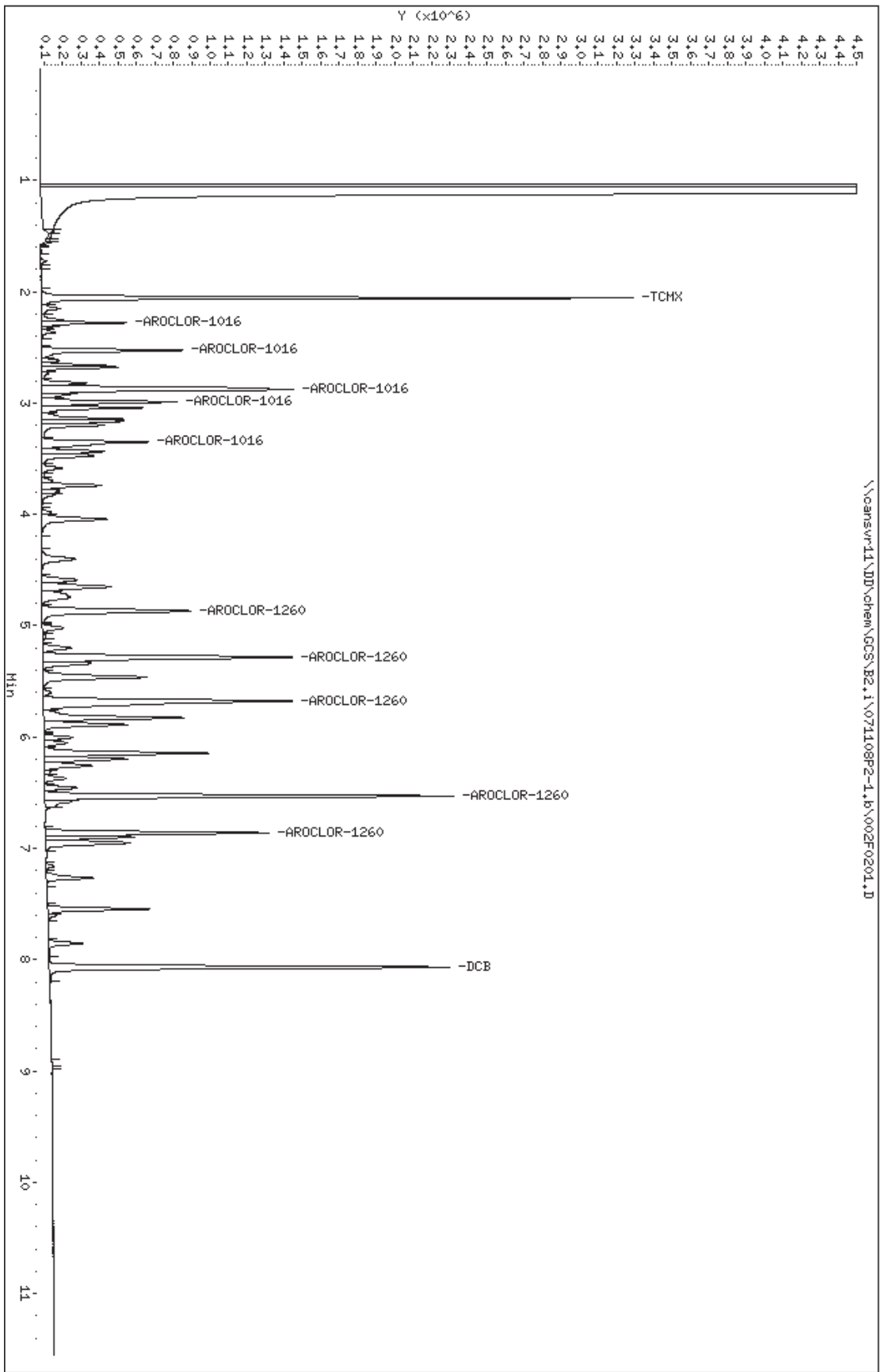
\$ 9 DCB CAS #: 2051-24-3							
8.068	8.068	0.000	4123909	0.10000	0.09854		

QC Flag Legend

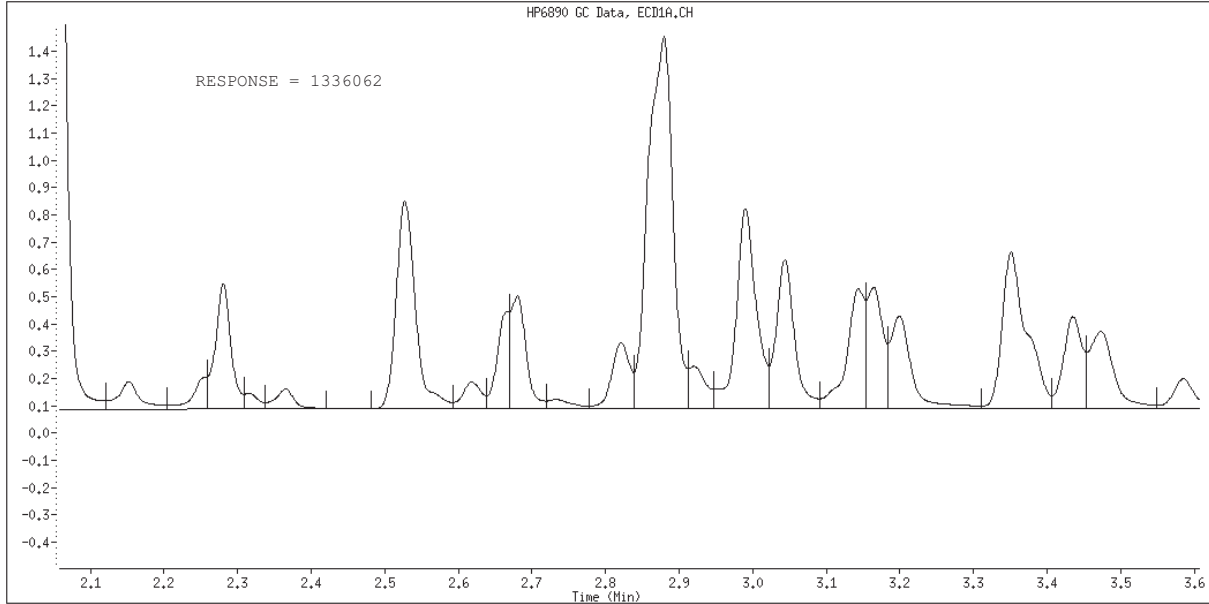
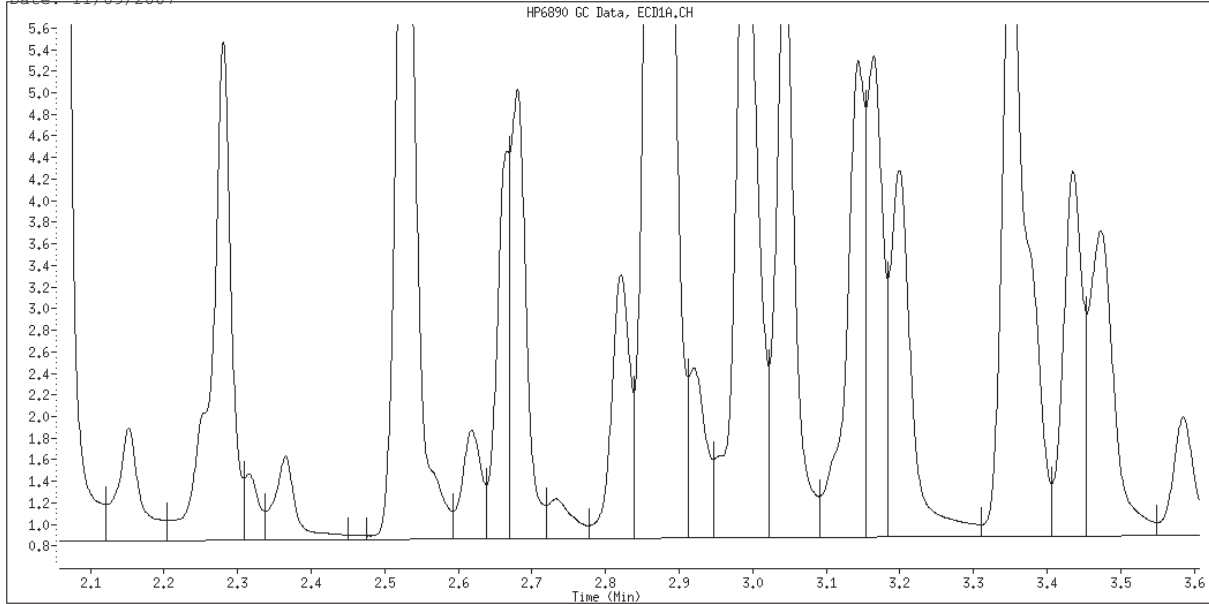
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B2.1\071108P2-1.b\002F0201.D
 Date : 08-NOV-2007 22:00
 Client ID:
 Sample Info: 1660,,2
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53

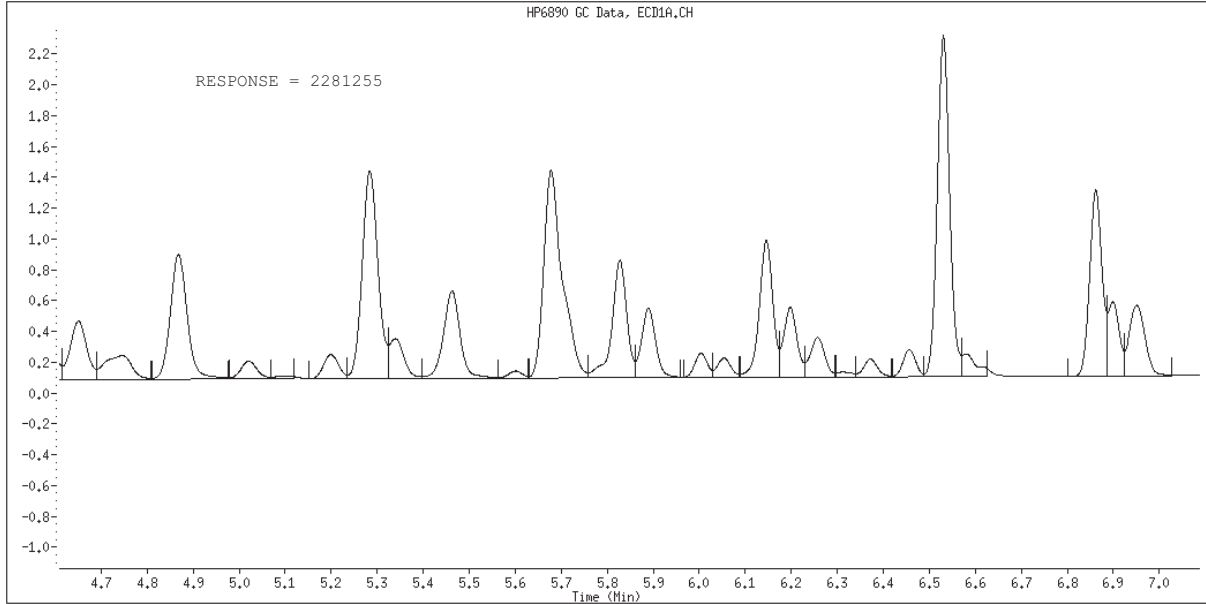
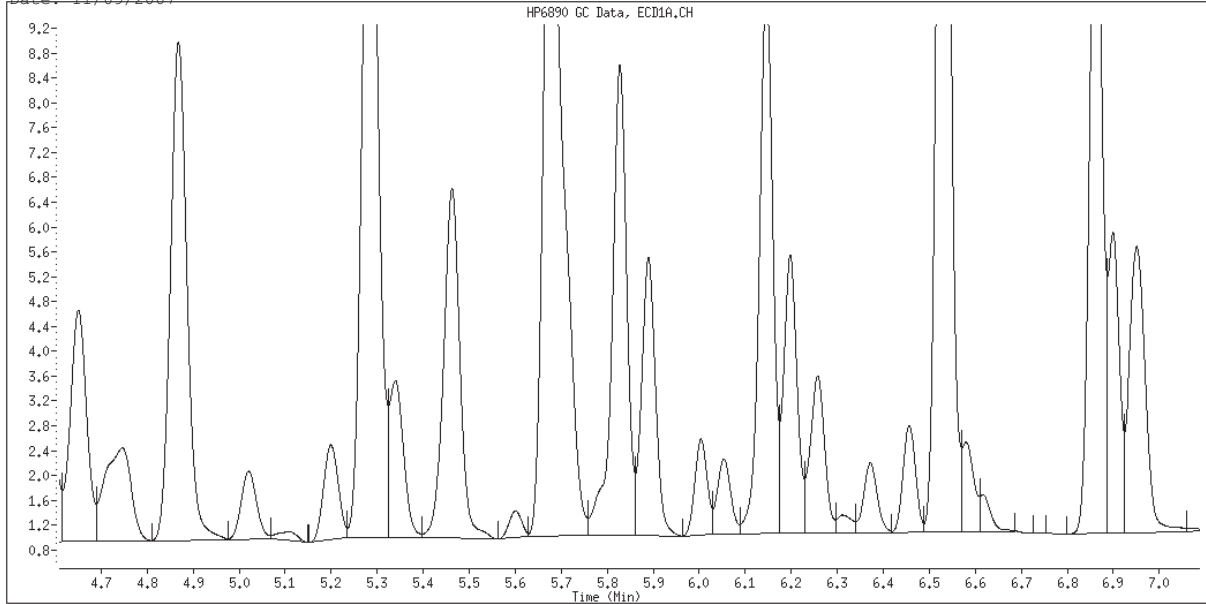


Data File Name: 002F0201.D
Inj. Date and Time: 08-NOV-2007 22:00
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 11/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File Name: 002F0201.D
Inj. Date and Time: 08-NOV-2007 22:00
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 11/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\023F2301.D
 Report Date: 09-Nov-2007 07:55

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 09-NOV-2007 02:57
 Lab File ID: 023F2301.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	42856924	46551990	0.010	-8.62186	15.00000		Averaged
AROCLOR-1016 (1)	697142	715062	0.010	-2.57049	15.00000		Averaged
(2)	1484366	1487124	0.010	-0.18579	15.00000		Averaged
(3)	3293976	3405367	0.010	-3.38165	15.00000		Averaged
(4)	1409531	1433709	0.010	-1.71531	15.00000		Averaged
(5)	1399558	1397574	0.010	0.14174	15.00000		Averaged
AROCLOR-1260 (1)	2131421	2120625	0.010	0.50654	15.00000		Averaged
(2)	3330972	3366744	0.010	-1.07392	15.00000		Averaged
(3)	3803154	3975286	0.010	-4.52604	15.00000		Averaged
(4)	4181121	4448800	0.010	-6.40209	15.00000		Averaged
(5)	2389695	2479123	0.010	-3.74223	15.00000		Averaged
9 DCB	41849260	46010410	0.010	-9.94319	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\023F2301.D
 Report Date: 09-Nov-2007 07:55

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\023F2301.D
 Lab Smp Id: 1660
 Inj Date : 09-NOV-2007 02:57
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 23 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.054	2.054	0.000	4655199	0.10000	0.1086		

3	AROCLOR-1016				CAS #: 12674-11-2		
2.277	2.277	0.000	715062	1.00000	1.026 80.00- 120.00	100.00 (M)	
2.523	2.523	0.000	1487124	1.00000	1.002 155.98- 259.96	207.97	
2.876	2.876	0.000	3405367	1.00000	1.034 357.18- 595.29	476.23	
2.986	2.986	0.000	1433709	1.00000	1.017 150.38- 250.63	200.50	
3.346	3.346	0.000	1397574	1.00000	0.9986 146.59- 244.31	195.45	
Average of Peak Amounts =			1.01552				

8	AROCLOR-1260				CAS #: 11096-82-5		
4.861	4.861	0.000	2120625	1.00000	0.9949 80.00- 120.00	100.00	
5.277	5.277	0.000	3366744	1.00000	1.011 119.07- 198.45	158.76	
5.671	5.671	0.000	3975286	1.00000	1.045 140.59- 234.32	187.46	
6.525	6.525	0.000	4448800	1.00000	1.064 157.34- 262.23	209.79	
6.856	6.856	0.000	2479123	1.00000	1.037 87.68- 146.13	116.91	
Average of Peak Amounts =			1.03038				

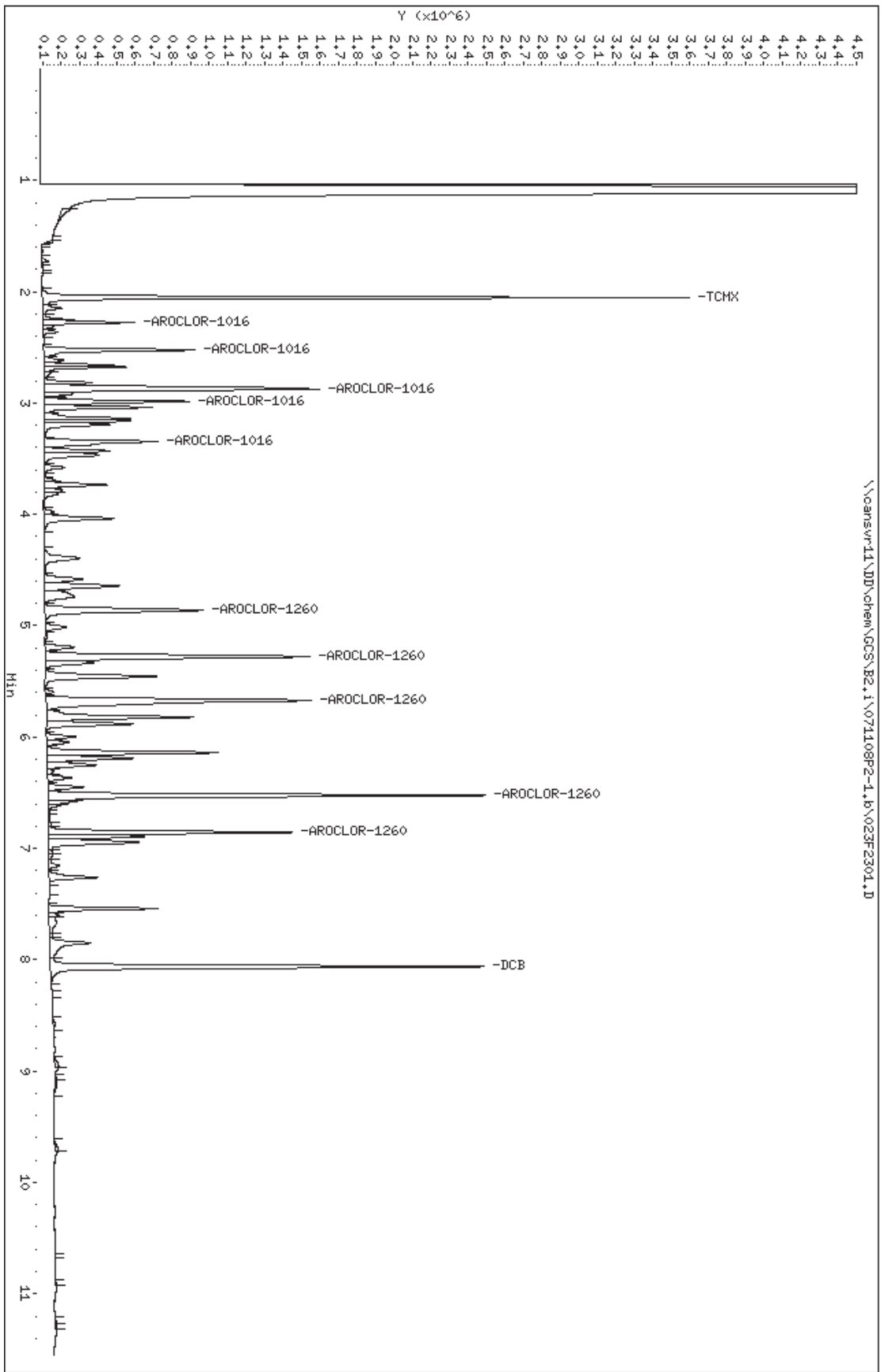
\$ 9	DCB				CAS #: 2051-24-3		
8.061	8.061	0.000	4601041	0.10000	0.1099		

QC Flag Legend

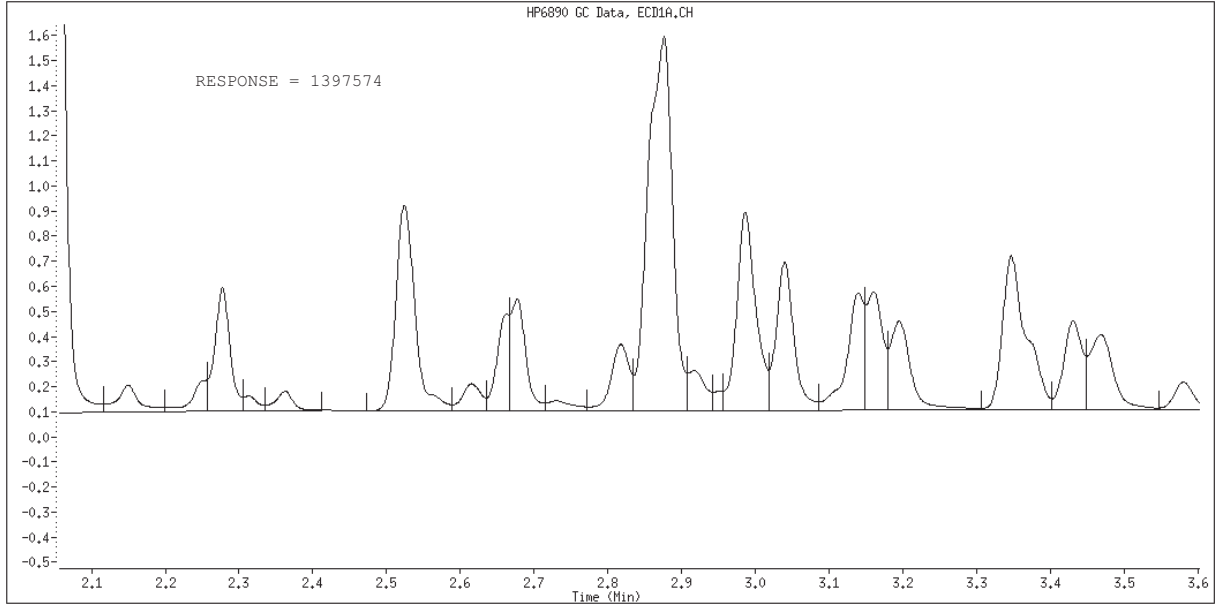
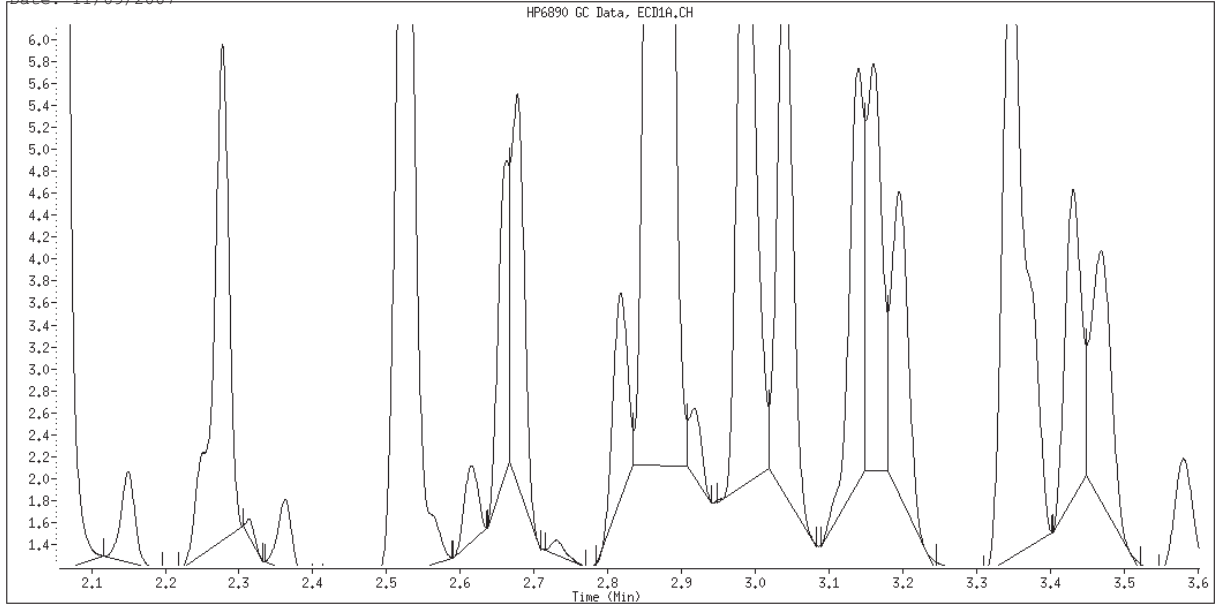
M - Compound response manually integrated.

Data File: \\cansvr11\DD\chem\GCS\B2.1\071108P2-1.b\023F2301.D
Date: 09-NOV-2007 02:57
Client ID:
Sample Info: 1660,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 023F2301.D
Inj. Date and Time: 09-NOV-2007 02:57
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 11/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\028F2801.D
 Report Date: 09-Nov-2007 07:56

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 09-NOV-2007 04:08
 Lab File ID: 028F2801.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN	MAX	CURVE TYPE	
			RRF	%D / %DRIFT	%D / %DRIFT	
1 TCMX	42856924	47323110	0.010	-10.42115	15.00000	Averaged
3 AROCLOR-1016 (1)	697142	728722	0.010	-4.52992	15.00000	Averaged
(2)	1484366	1504225	0.010	-1.33786	15.00000	Averaged
(3)	3293976	3470392	0.010	-5.35571	15.00000	Averaged
(4)	1409531	1516281	0.010	-7.57343	15.00000	Averaged
(5)	1399558	1398074	0.010	0.10601	15.00000	Averaged
8 AROCLOR-1260 (1)	2131421	2126773	0.010	0.21809	15.00000	Averaged
(2)	3330972	3353953	0.010	-0.68992	15.00000	Averaged
(3)	3803154	3952014	0.010	-3.91412	15.00000	Averaged
(4)	4181121	4613699	0.010	-10.34598	15.00000	Averaged
(5)	2389695	2668913	0.010	-11.68425	15.00000	Averaged
9 DCB	41849260	49923860	0.010	-19.29449	15.00000	Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\028F2801.D
 Report Date: 09-Nov-2007 07:56

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\028F2801.D
 Lab Smp Id: 1660
 Inj Date : 09-NOV-2007 04:08
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 28 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8		
2.054	2.054	0.000	4732311	0.10000	0.1104		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.277	2.277	0.000	728722	1.00000	1.045 80.00- 120.00	100.00	(M)
2.523	2.523	0.000	1504225	1.00000	1.013 154.81- 258.02	206.42	
2.876	2.876	0.000	3470392	1.00000	1.054 357.17- 595.29	476.23	
2.986	2.986	0.000	1516281	1.00000	1.076 156.06- 260.09	208.07	
3.346	3.346	0.000	1398074	1.00000	0.9989 143.89- 239.82	191.85	
Average of Peak Amounts =			1.03738				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.861	4.861	0.000	2126773	1.00000	0.9978 80.00- 120.00	100.00	(M)
5.278	5.278	0.000	3353953	1.00000	1.007 118.28- 197.13	157.70	
5.671	5.671	0.000	3952014	1.00000	1.039 139.37- 232.28	185.82	
6.524	6.524	0.000	4613699	1.00000	1.103 162.70- 271.17	216.93	
6.856	6.856	0.000	2668913	1.00000	1.117 94.12- 156.86	125.49	
Average of Peak Amounts =			1.05276				

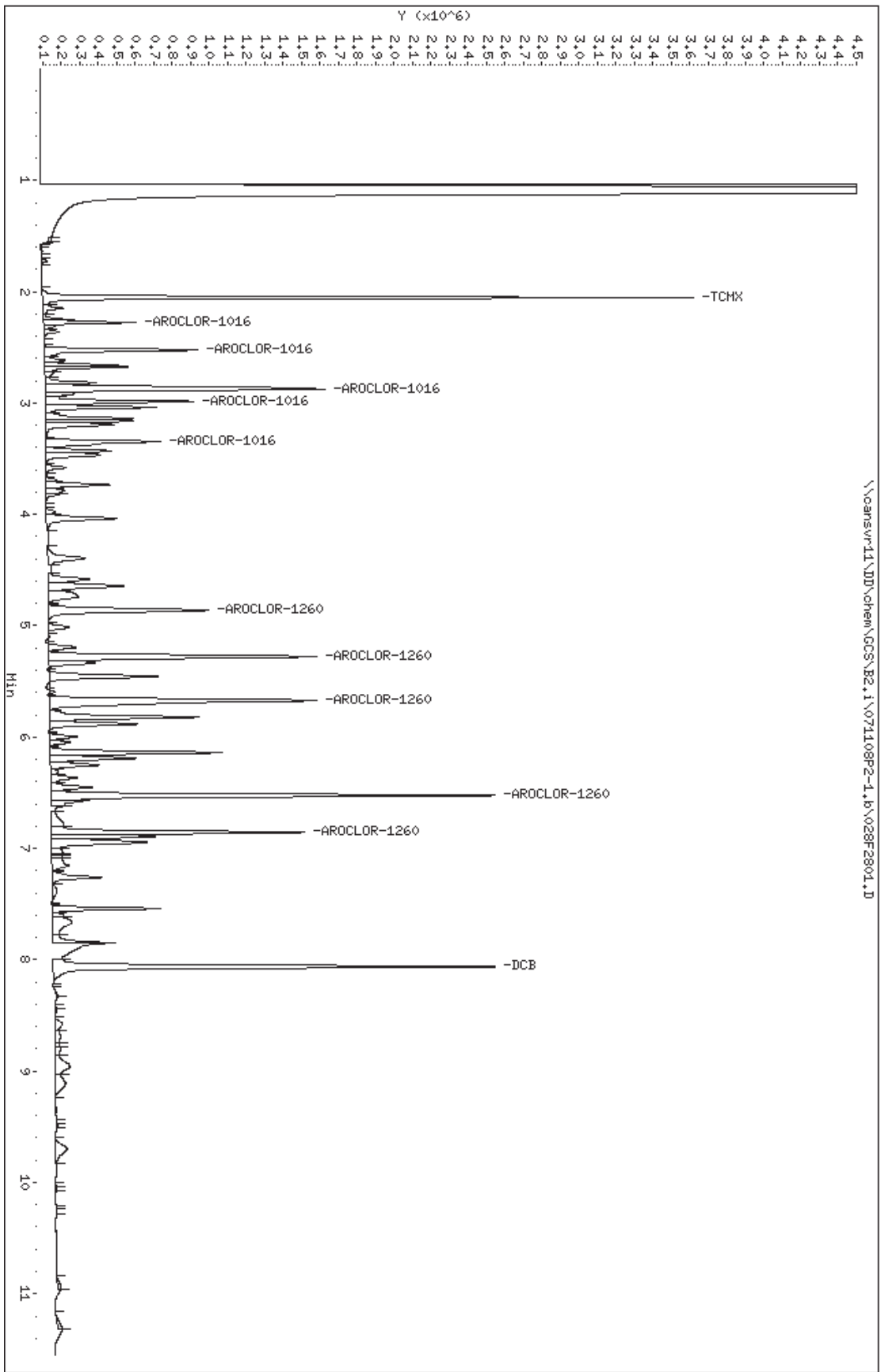
\$ 9	DCB				CAS #: 2051-24-3		
8.062	8.062	0.000	4992386	0.10000	0.1193		(M)

QC Flag Legend

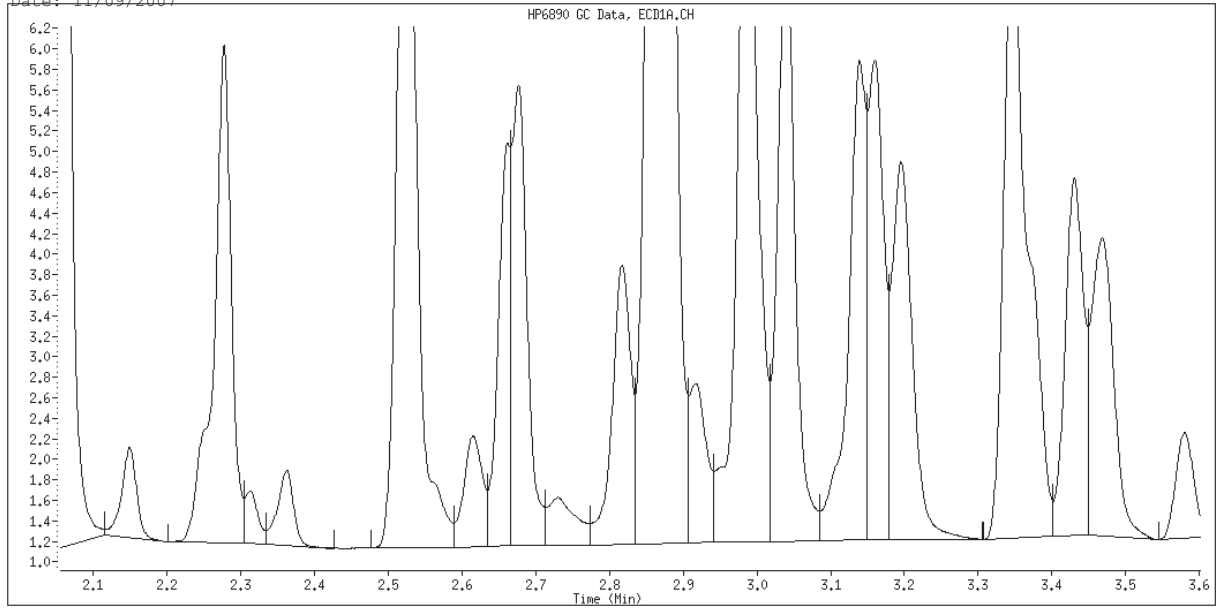
M - Compound response manually integrated.

Data File: \\canonvr11\DD\chem\GCS\B2.1\071108P2-1.b\028F2801.D
Date: 09-NOV-2007 04:08
Client ID:
Sample Info: 1660,2
Column phase: restek pest c1p1

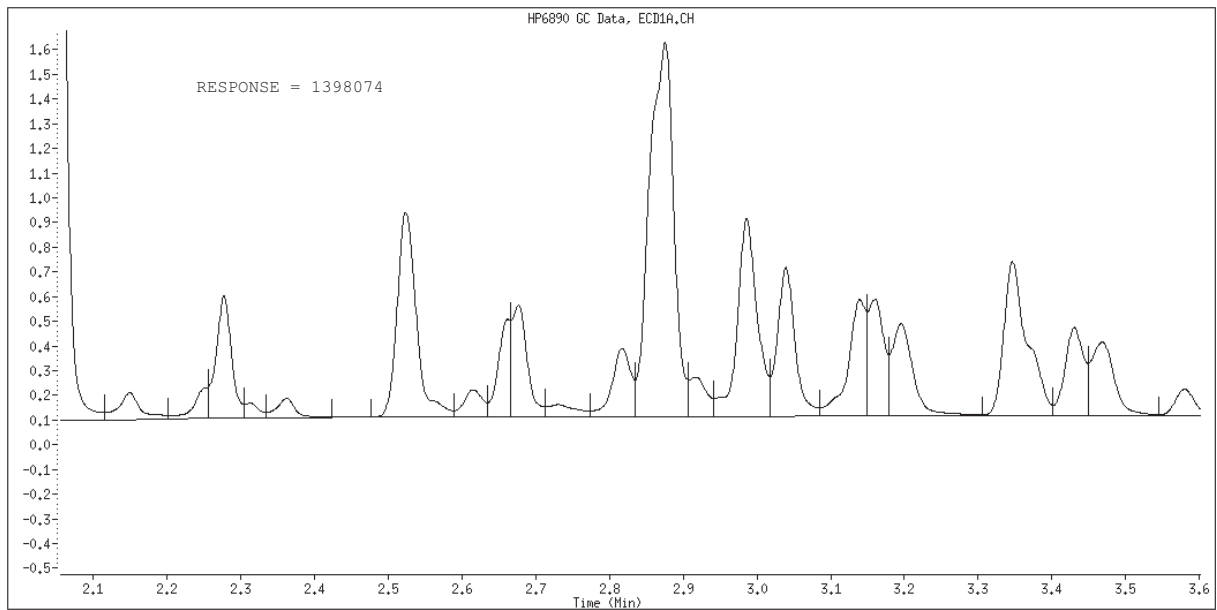
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 028F2801.D
Inj. Date and Time: 09-NOV-2007 04:08
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 11/09/2007



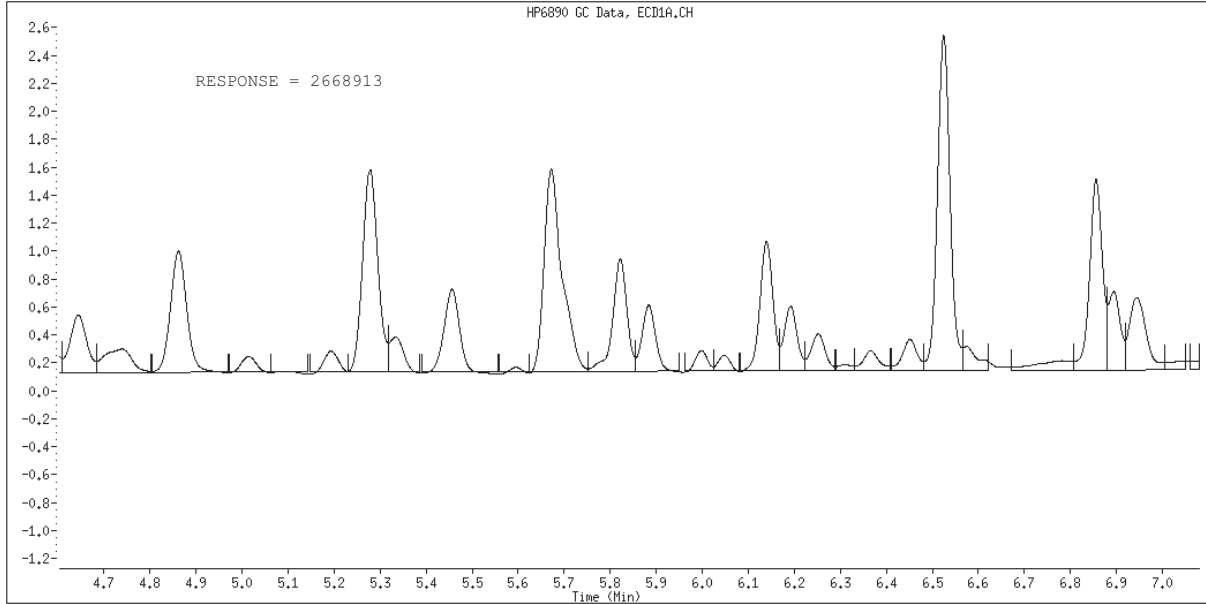
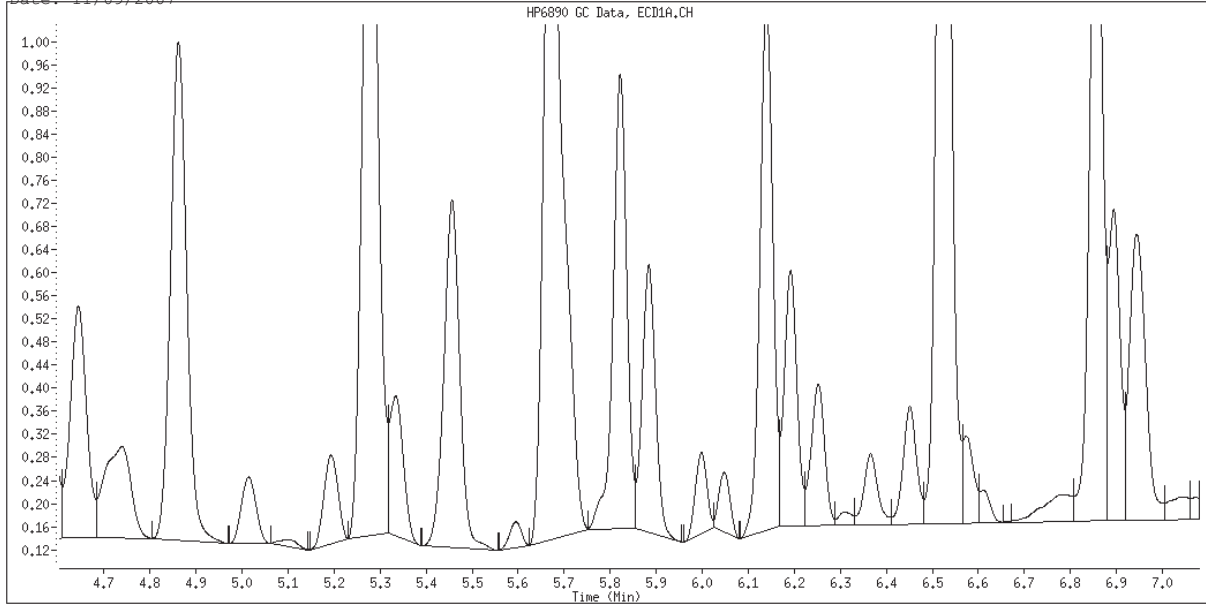
Original Integration



Manual Integration

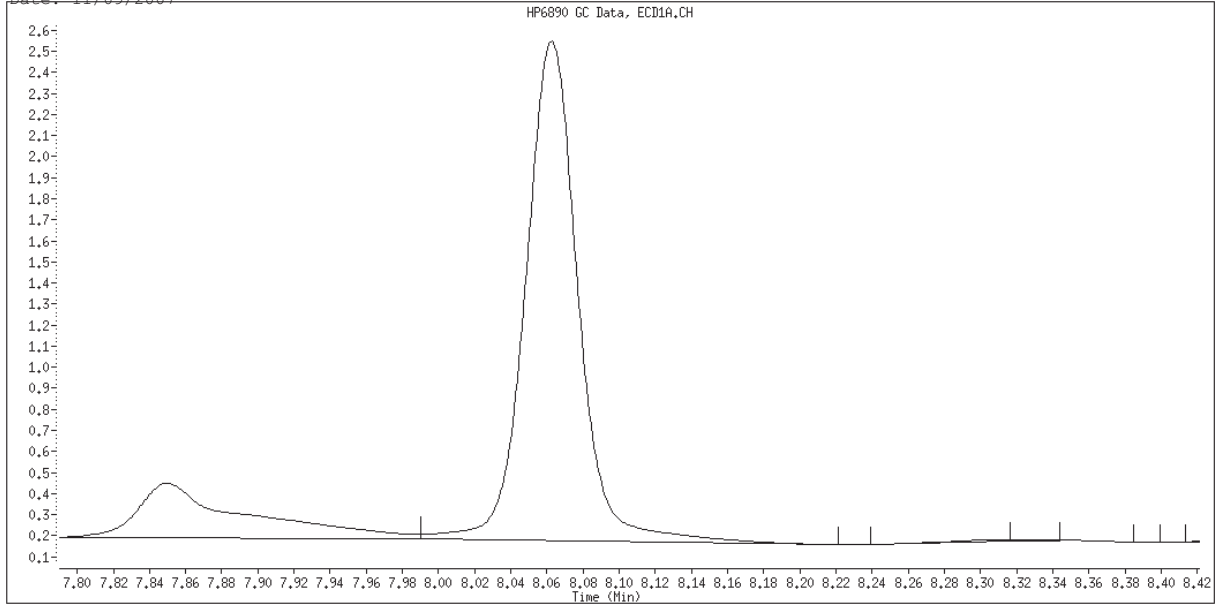
Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File Name: 028F2801.D
Inj. Date and Time: 09-NOV-2007 04:08
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 11/09/2007

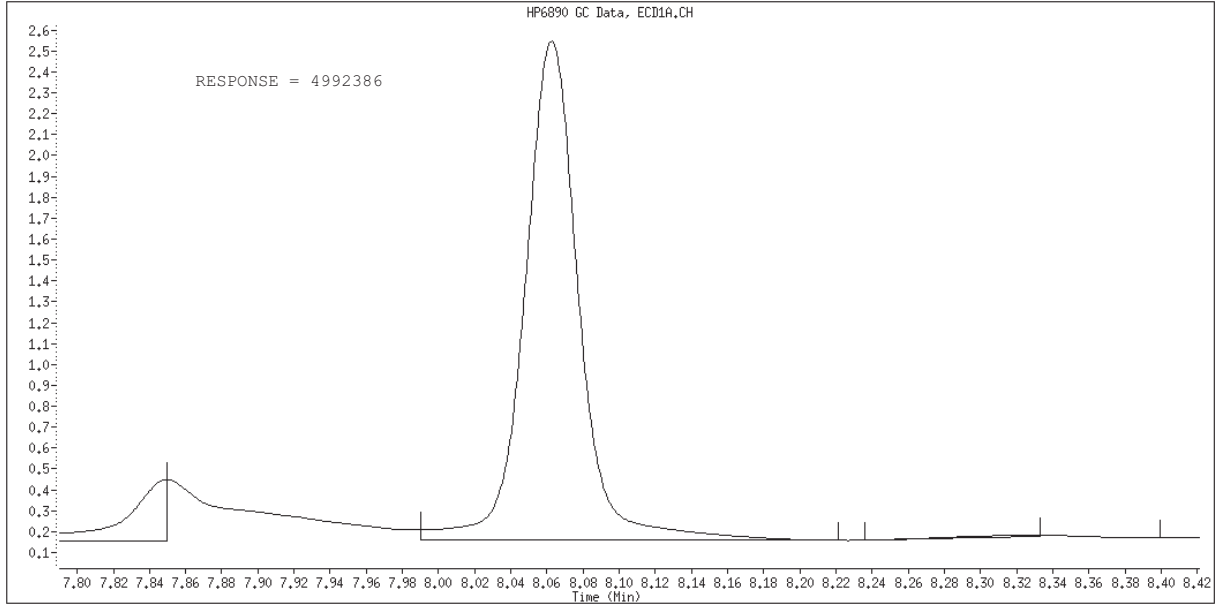


Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File Name: 028F2801.D
Inj. Date and Time: 09-NOV-2007 04:08
Instrument ID: B2.i
Client ID:
Compound Name: DCB
CAS #: 2051-24-3
Report Date: 11/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

RAW QC DATA

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: A7K080389 Work Order #....: KAVFK1AC Matrix.....: SOLID
 LCS Lot-Sample#: A7K080000-626
 Prep Date.....: 11/08/07 Analysis Date...: 11/08/07
 Prep Batch #....: 7312626
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Aroclor 1016	330	290	ug/kg	88	SW846 PCBs (8082)
Aroclor 1260	330	310	ug/kg	92	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	87	(10 - 196)
Decachlorobiphenyl	103	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: A7K080389 Work Order #....: KAVFK1AC Matrix.....: SOLID
 LCS Lot-Sample#: A7K080000-626
 Prep Date.....: 11/08/07 Analysis Date...: 11/08/07
 Prep Batch #....: 7312626
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	88	(34 - 127)	SW846 PCBs (8082)
Aroclor 1260	92	(32 - 141)	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	87	(10 - 196)
Decachlorobiphenyl	103	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\004F0401.D
 Report Date: 09-Nov-2007 07:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\004F0401.D
 Lab Smp Id: KAVFK1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 08-NOV-2007 22:28
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFK1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
S 1 TCMX				CAS #: 877-09-8			
2.055	2.056	-0.001		1869583	0.04362	14.54	
3 AROCLOR-1016				CAS #: 12674-11-2			
2.279	2.280	-0.001		697134	0.99999	333.3 80.00- 120.00	100.00
2.525	2.526	-0.001		1203501	0.81078	270.3 125.24- 208.73	172.64
2.877	2.880	-0.003		2767848	0.84028	280.1 284.90- 474.83	397.03
2.988	2.990	-0.002		1240355	0.87998	293.3 125.71- 209.52	177.92
3.349	3.350	-0.001		1198346	0.85623	285.4 119.71- 199.52	171.90
Average of Peak Concentrations =					292.5		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.865	4.867	-0.002		1910812	0.89650	298.8 80.00- 120.00	100.00
5.282	5.284	-0.002		3022106	0.90727	302.4 120.24- 200.39	158.16
5.675	5.677	-0.002		3622108	0.95240	317.5 139.83- 233.05	189.56
6.528	6.530	-0.002		3963405	0.94793	316.0 149.72- 249.54	207.42
6.860	6.861	-0.001		2176707	0.91087	303.6 85.46- 142.43	113.92
Average of Peak Concentrations =					307.7		

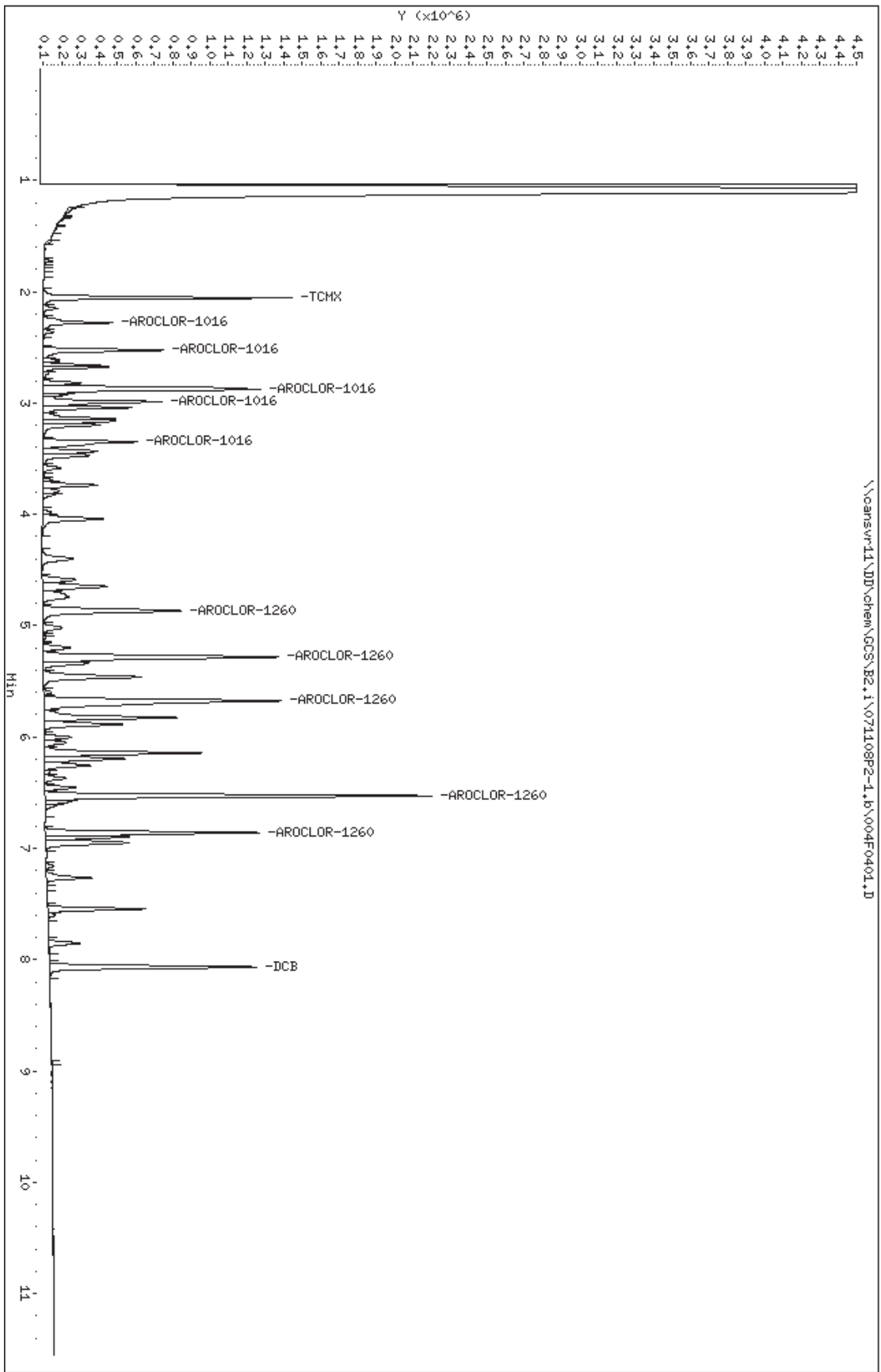
\$ 9 DCB

CAS #: 2051-24-3

8.066 8.068 -0.002 2155980 0.05152 17.17

Data File: \\canonvr11\DD\chem\GCS\B2.1\071108P2-1.b\004F0401.D
 Date: 08-NOV-2007 22:28
 Client ID: INTRA-LAB CHECK
 Sample Info: KAWFKIAC.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\004F0401.D
 Report Date: 09-Nov-2007 07:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\004F0401.D
 Lab Smp Id: KAVFK1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 08-NOV-2007 22:28
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFK1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	24369929	19550965	0.802	44.646	
1.244	92754	46394	0.500	0.105	
1.331	4509	7439	1.650	0.016	
1.353	13139	12619	0.960	0.028	
1.429	7543	5456	0.723	0.012	
1.548	43289	22102	0.511	0.050	
1.726	62151	45060	0.725	0.102	
1.788	3580	5475	1.529	0.012	
1.838	4476	3096	0.692	0.007	
2.056	1869584	1345437	0.720	3.069	\$ 1 TCMX
2.152	133503	75657	0.567	0.172	
2.279	697135	377344	0.541	0.860	3 AROCLOR-1016
2.364	93068	58168	0.625	0.132	
2.526	1203501	653588	0.543	1.491	3 AROCLOR-1016
2.616	159004	88748	0.558	0.202	
2.665	350859	313840	0.894	0.716	
2.678	507108	357195	0.704	0.815	
2.732	76213	29032	0.381	0.066	
2.819	349852	210472	0.602	0.480	
2.878	2767848	1178314	0.426	2.688	3 AROCLOR-1016
2.919	214063	136867	0.639	0.312	
2.988	1240356	644927	0.520	1.471	3 AROCLOR-1016
3.042	838264	481863	0.575	1.099	
3.142	660633	390069	0.590	0.890	
3.162	585892	392013	0.669	0.894	

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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\004F0401.D
 Report Date: 09-Nov-2007 07:53

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.198	641988	310157	0.483	0.707	
3.349	1198346	515313	0.430	1.175	3 AROCLOR-1016
3.433	541440	301568	0.557	0.688	
3.470	600371	256797	0.428	0.585	
3.583	211370	99041	0.469	0.225	
3.644	20903	12434	0.595	0.028	
3.695	87885	53372	0.607	0.121	
3.738	580927	300552	0.517	0.685	
3.790	185287	90452	0.488	0.206	
3.821	135311	67783	0.501	0.154	
3.981	88912	46810	0.526	0.106	
4.042	816396	331558	0.406	0.756	
4.399	505761	169693	0.336	0.387	
4.587	426414	183846	0.431	0.419	
4.648	871674	349586	0.401	0.797	
4.743	579189	143857	0.248	0.328	
4.866	1910813	749067	0.392	1.709	8 AROCLOR-1260
5.019	259277	107520	0.415	0.245	
5.096	20635	12671	0.614	0.028	
5.108	24957	14038	0.562	0.032	
5.198	330854	144983	0.438	0.330	
5.283	3022107	1269334	0.420	2.896	8 AROCLOR-1260
5.338	514077	243336	0.473	0.555	
5.461	1332402	534170	0.401	1.218	
5.598	83631	42764	0.511	0.097	
5.676	3622108	1285206	0.355	2.932	8 AROCLOR-1260
5.826	1615473	718005	0.444	1.638	
5.888	899048	423531	0.471	0.966	
6.003	290274	147711	0.509	0.337	
6.052	252602	121248	0.480	0.276	
6.143	1738954	849131	0.488	1.937	
6.196	857802	433905	0.506	0.990	
6.256	544795	246575	0.453	0.562	
6.313	70502	30958	0.439	0.070	
6.371	234888	113730	0.484	0.259	
6.455	324551	169423	0.522	0.386	
6.528	3963405	2090669	0.527	4.770	8 AROCLOR-1260
6.580	243753	141039	0.579	0.321	
6.616	111829	59426	0.531	0.135	
6.860	2176707	1155739	0.531	2.637	8 AROCLOR-1260
6.898	771341	454856	0.590	1.037	
6.950	1078464	451924	0.419	1.031	
7.160	69424	40846	0.588	0.093	
7.264	517696	244901	0.473	0.558	
7.361	5231	2762	0.528	0.006	
7.544	943933	527605	0.559	1.203	
7.600	83540	42013	0.503	0.095	
7.853	346468	172063	0.497	0.392	
8.067	2155980	1118536	0.519	2.552	\$ 9 DCB
8.931	2800	2249	0.803	0.005	
=====	=====	=====	=====	=====	
	74260749	43826893		100.000	

Total unknown % height = 71.75

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: A7K080389
MB Lot-Sample #: A7K080000-626
Analysis Date...: 11/08/07
Dilution Factor: 1

Work Order #....: KAVFK1AA
Prep Date.....: 11/08/07
Prep Batch #....: 7312626
Initial Wgt/Vol: 30 g

Matrix.....: SOLID
Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1221	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1232	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1242	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1248	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1254	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1260	ND	33	ug/kg	SW846 PCBs (8082)
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Tetrachloro-m-xylene	92	(10 - 196)		
Decachlorobiphenyl	107	(10 - 199)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\003F0301.D
 Report Date: 09-Nov-2007 07:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\003F0301.D
 Lab Smp Id: KAVFK1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 08-NOV-2007 22:14
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFK1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 3 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX CAS #: 877-09-8
 2.057 2.056 0.001 1973793 0.04606 15.35

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

3 AROCLOR-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

4 AROCLOR-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\003F0301.D
Report Date: 09-Nov-2007 07:53

CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (	ng)	FINAL	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5					AROCLOR-1242	CAS #: 53469-21-9	
Peaks not detected for Quant. or Qual. signal(s).							

6					AROCLOR-1248	CAS #: 12672-29-6	
Peaks not detected for Quant. or Qual. signal(s).							

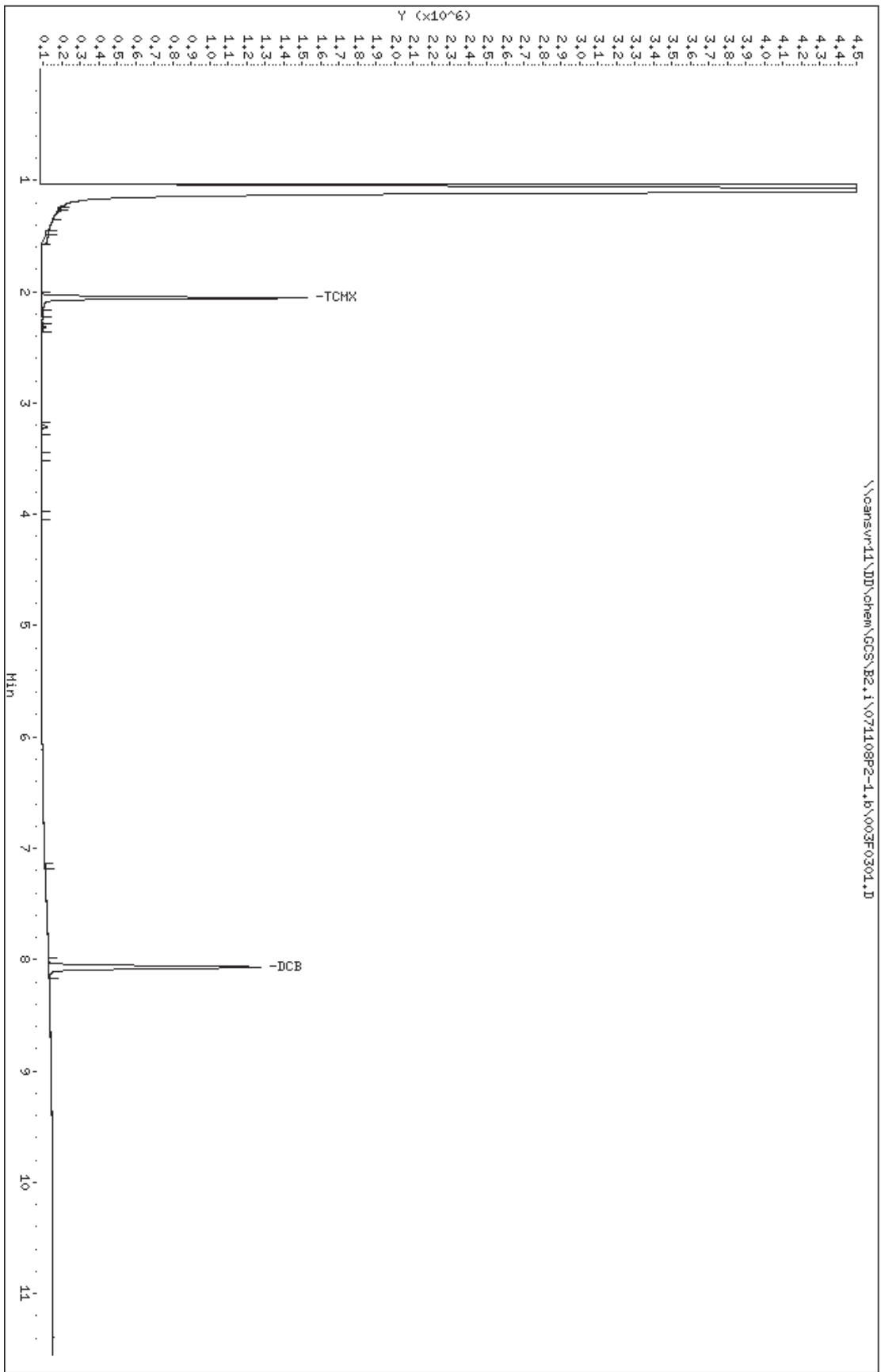
7					AROCLOR-1254	CAS #: 11097-69-1	
Peaks not detected for Quant. or Qual. signal(s).							

8					AROCLOR-1260	CAS #: 11096-82-5	
Peaks not detected for Quant. or Qual. signal(s).							

\$	9				DCB	CAS #: 2051-24-3	
8.067	8.068	-0.001	2234812	0.05340		17.80	

Data File: \\canonvr11\DD\chem\GCS\B2.1\071108P2-1.b\003F0301.D
 Date : 08-NOV-2007 22:14
 Client ID: INTRA-LAB BLANK
 Sample Info: KAWFK1A0.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B2.i\071108P2-1.b\003F0301.D
 Report Date: 09-Nov-2007 07:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\003F0301.D
 Lab Smp Id: KAVFK1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 08-NOV-2007 22:14
 Operator : 402338 Inst ID: B2.i
 Smp Info : KAVFK1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071108P2-1.b\B2PCBF.m
 Meth Date : 09-Nov-2007 07:53 target Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 3 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	23528284	19506550	0.829	87.806	
1.244	21419	16769	0.783	0.075	
1.272	30875	19557	0.633	0.088	
1.469	28447	13772	0.484	0.061	
1.505	90547	16927	0.187	0.076	
2.057	1973793	1438495	0.729	6.474	\$ 1 TCMX
2.176	17298	6523	0.377	0.029	
2.317	23475	16749	0.713	0.075	
3.214	49812	29405	0.590	0.132	
3.481	4086	1730	0.423	0.007	
4.006	6820	3617	0.530	0.016	
7.162	3972	1970	0.496	0.008	
8.067	2234812	1144870	0.512	5.153	\$ 9 DCB
	28013638	22216934		100.000	

Total unknown % height = 88.37

MISCELLANEOUS DATA

Save GLP Data: off

Post-Run Cmd/Macro: on
Name: macro "gcacqB2.mac", go

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

6890 GC METHOD

=====

OVEN

Initial temp: 175 'C (On) Maximum temp: 330 'C
Initial time: 0.25 min Equilibration time: 0.50 min
Ramps:
Rate Final temp Final time
1 20.00 225 2.00
2 25.00 295 4.00
3 0.0 (Off)
Post temp: 50 'C
Post time: 0.00 min
Run time: 11.55 min

FRONT INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 250 'C (On)
Pressure: 9.50 psi (On)
Purge flow: 20.0 mL/min
Purge time: 1.00 min
Total flow: 39.0 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 2.00 min
Gas type: Helium

BACK INLET (SPLIT/SPLITLESS)

Mode: Split
Initial temp: 50 'C (Off)
Pressure: 0.00 psi (Off)
Total flow: 45.0 mL/min
Gas saver: Off
Gas type: Helium

COLUMN 1

Capillary Column
Model Number: Restek 11140
RTX-CLPesticides I
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: constant pressure
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: Restek 11340
RTX-CLPesticides II
Max temperature: 330 'C
Nominal length: 30.0 m
Nominal diameter: 530.00 um
Nominal film thickness: 0.50 um
Mode: (see column 1)
Pressure: 9.50 psi
Nominal initial flow: 8.6 mL/min
Average velocity: 73 cm/sec
Inlet: Front Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%

BACK DETECTOR (μECD)

Temperature: 300 'C (On)
Mode: Constant makeup flow
Makeup flow: 60.0 mL/min (On)
Makeup Gas Type: Argon methane 5%

Electrometer: On

Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1

Derive from front detector

COLUMN COMP 2

Derive from back detector

POST RUN

Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

GC Injector

Front Injector:

Sample Washes	1
Sample Pumps	4
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	1
PostInj Solvent B Washes	0
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

B2-ICAL

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071008IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 2	1660,,1,1	B2PCBF	1	Sample		
3	Vial 3	1660,,1,2	B2PCBF	1	Sample		
4	Vial 4	1660,,1,3	B2PCBF	1	Sample		
5	Vial 5	1660,,1,4	B2PCBF	1	Sample		
6	Vial 6	1660,,1,5	B2PCBF	1	Sample		
7	Vial 7	1660,,1,6	B2PCBF	1	Sample		
8	Vial 8	1660,,2	B2PCBF	1	Sample		
9	Vial 9	1232,,1,1	B2PCBF	1	Sample		
10	Vial 10	1232,,1,2	B2PCBF	1	Sample		
11	Vial 11	1232,,1,3	B2PCBF	1	Sample		
12	Vial 12	1232,,1,4	B2PCBF	1	Sample		
13	Vial 13	1232,,1,5	B2PCBF	1	Sample		
14	Vial 14	1232,,1,6	B2PCBF	1	Sample		
15	Vial 15	1242,,1,1	B2PCBF	1	Sample		
16	Vial 16	1242,,1,2	B2PCBF	1	Sample		
17	Vial 17	1242,,1,3	B2PCBF	1	Sample		
18	Vial 18	1242,,1,4	B2PCBF	1	Sample		
19	Vial 19	1242,,1,5	B2PCBF	1	Sample		
20	Vial 20	1242,,1,6	B2PCBF	1	Sample		
21	Vial 21	1248,,1,1	B2PCBF	1	Sample		
22	Vial 22	1248,,1,2	B2PCBF	1	Sample		
23	Vial 23	1248,,1,3	B2PCBF	1	Sample		
24	Vial 24	1248,,1,4	B2PCBF	1	Sample		
25	Vial 25	1248,,1,5	B2PCBF	1	Sample		
26	Vial 26	1248,,1,6	B2PCBF	1	Sample		
27	Vial 27	2154,,1,1	B2PCBF	1	Sample		
28	Vial 28	2154,,1,2	B2PCBF	1	Sample		
29	Vial 29	2154,,1,3	B2PCBF	1	Sample		
30	Vial 30	2154,,1,4	B2PCBF	1	Sample		
31	Vial 31	2154,,1,5	B2PCBF	1	Sample		
32	Vial 32	2154,,1,6	B2PCBF	1	Sample		

RE-RUN 1242

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071009IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

B2-ICAL 1242

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 15	1242,,1,1	B2PCBF	1	Sample ✓		
3	Vial 16	1242,,1,2	B2PCBF	1	Sample ✓		
4	Vial 17	1242,,1,3	B2PCBF	1	Sample ✓		
5	Vial 18	1242,,1,4	B2PCBF	1	Sample ✓		
6	Vial 19	1242,,1,5	B2PCBF	1	Sample ✓		
7	Vial 20	1242,,1,6	B2PCBF	1	Sample ✓		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071108P2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment: B2

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	PRIMER	B2PCBF	2	Sample		
2	Vial 2	1660,,2	B2PCBF	1	Sample		
3	Vial 3	KAVFK1AA,1 MB	B2PCBF	1	Sample		
4	Vial 4	KAVFK1AC,1 uS	B2PCBF	1	Sample		
5	Vial 5	KAVEP1AA,121	B2PCBF	1	Sample		
6	Vial 6	KAVEQ1AA,122	B2PCBF	1	Sample		
7	Vial 7	KAVET1AA,123	B2PCBF	1	Sample		
8	Vial 8	KAVET1AA,124	B2PCBF	1	Sample		
9	Vial 9	KAVEV1AA,125	B2PCBF	1	Sample		
10	Vial 10	KAVEW1AA,126	B2PCBF	1	Sample		
11	Vial 11	KAVEX1AA,127	B2PCBF	1	Sample		
12	Vial 12	KAVE01AA,128	B2PCBF	1	Sample		
13	Vial 13	KAVE11AA,129	B2PCBF	1	Sample		
14	Vial 14	KAVE21AA,130	B2PCBF	1	Sample		
15	Vial 15	KAVE31AA,131	B2PCBF	1	Sample		
16	Vial 16	KAVE41AA,132	B2PCBF	1	Sample		
17	Vial 17	KAVE51AA,133	B2PCBF	1	Sample		
18	Vial 18	KAVE61AA,134	B2PCBF	1	Sample		
19	Vial 19	KAVE71AA,135	B2PCBF	1	Sample		
20	Vial 20	KAVE81AA,136	B2PCBF	1	Sample		
21	Vial 21	KAVE91AA,137	B2PCBF	1	Sample		
22	Vial 22	KAVFA1AA,138	B2PCBF	1	Sample		
23	Vial 23	1660,,2	B2PCBF	1	Sample		
24	Vial 24	KAVFA1AD,138MS	B2PCBF	1	Sample		
25	Vial 25	KAVFA1AE,138MSD	B2PCBF	1	Sample		
26	Vial 26	KAVFC1AA,139	B2PCBF	1	Sample		
27	Vial 27	KAVFD1AA,140	B2PCBF	1	Sample		
28	Vial 28	1660,,2	B2PCBF	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
* QC BATCH: 7312626 *
*

PREP DATE: 11/08/07
COMP DATE: 11/08/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S			SOLVENTS		VOL	SPIKE STANDARD/ SURROGATE ID
							WT/VOL	INIT	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE		
11/22/07 COMMENTS:	11/09/07	A7K080388-014 KAVEX-1-AA	D	13	47	SOLID	30.08g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-015 KAVE0-1-AA	D	13	47	SOLID	30.1g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-016 KAVE1-1-AA	D	13	47	SOLID	30.02g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-017 KAVE2-1-AA	D	13	47	SOLID	30.14g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-018 KAVE3-1-AA	D	13	47	SOLID	30.08g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-019 KAVE4-1-AA	D	13	47	SOLID	30.03g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-020 KAVE5-1-AA	D	13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-021 KAVE6-1-AA	D	13	47	SOLID	30.00g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-022 KAVE7-1-AA	D	13	47	SOLID	30.12g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
* QC BATCH: 7312626 *
*

PREP DATE: 11/08/07
COMP DATE: 11/08/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S			SOLVENTS		SPIKE STANDARD/ SURROGATE ID	
							WT/VOL	INIT	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE	VOL	SURROGATE ID
11/22/07 COMMENTS:	11/09/07	A7K080388-023 KAVE8-1-AA	D	13	47	SOLID	30.09g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-024 KAVE9-1-AA	D	13	47	SOLID	30.15g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-025 KAVEA-1-AA	D	13	47	SOLID	30.16g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-025 KAVEA-1-AD S	D	13	47	SOLID	30.2g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL 100UG/ML 50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-025 KAVEA-1-AE D	D	13	47	SOLID	30.07g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	100UL 100UG/ML 50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-008 KAVEP-1-AA	D	13	47	SOLID	30.07g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080388-009 KAVEQ-1-AA	D	13	47	SOLID	30.09g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080389-001 KAVEC-1-AA	D	13	47	SOLID	30.2g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/22/07 COMMENTS:	11/09/07	A7K080389-002 KAVED-1-AA	D	13	47	SOLID	30.2g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
* QC BATCH: 7312626 *
*

PREP DATE: 11/08/07
COMP DATE: 11/08/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
DCM/ACE	E37E61	HEXANE	E24E10										

NUMBER OF WORK ORDERS IN BATCH: 24

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	7312623	
Prep Date	11/8/07	Time In	18:34	Analyst	WI/RC	
Anal Date	11/9/07	Time Out	8:15	RL	10	
Sample Id	Tare wt	Wet wt	Dry wt	Result TS %	Result MS %	comments
KAVFM1AA	1.01	1.01	1.01	0	ND	
KAVEP1AC	1.01	13.09	10.39	77.649	22.351	
KAVEP1AD	1.01	10.10	7.90	75.798	24.202	
KAVEQ1AC	1.01	13.06	10.16	75.934	24.066	
KAVEQ1AD	1.01	16.46	12.89	76.893	23.107	
KAVER1AC	1.01	17.67	13.44	74.610	25.390	
KAVET1AC	1.01	20.18	16.60	81.325	18.675	
KAVEV1AC	1.01	17.66	13.25	73.514	26.486	
KAVEW1AC	1.01	13.75	11.02	78.571	21.429	
KAVEX1AC	1.01	14.14	11.39	79.056	20.944	
KAVE01AC	1.01	11.68	9.20	76.757	23.243	
KAVE11AC	1.01	15.92	12.07	74.178	25.822	
KAVE21AC	1.01	10.97	8.24	72.590	27.410	
KAVE31AC	1.01	11.17	9.55	84.055	15.945	
KAVE41AC	1.01	19.34	15.13	77.032	22.968	
KAVE51AC	1.01	18.78	14.68	76.927	23.073	
KAVE61AC	1.01	15.65	12.86	80.943	19.057	
KAVE71AC	1.01	15.68	12.94	81.322	18.678	
KAVE81AC	1.01	25.57	20.01	77.362	22.638	
KAVE91AC	1.01	16.31	12.58	75.621	24.379	
KAVFA1AC	1.01	17.27	14.18	80.996	19.004	
KAVFC1AC	1.01	16.87	12.36	71.564	28.436	
KAVFD1AC	1.01	11.66	8.36	69.014	30.986	

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A7K080389

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Solids	ND	Work Order #: KAVFM1AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A7K080000-623 11/08-11/09/07	7312623
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A7K080389

Work Order #....: KAVEP-SMP
KAVEP-DUP

Matrix.....: SOLID

Date Sampled....: 11/08/07 15:05 Date Received...: 11/08/07

% Moisture.....: 22

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>			<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	77.6	75.8	%	2.4	(0-20)	MCAWW 160.3 MOD	11/08-11/09/07	7312623
				Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
						SD Lot-Sample #: A7K080388-008		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A7K080389

Work Order #....: KAVEQ-SMP
KAVEQ-DUP

Matrix.....: SOLID

Date Sampled....: 11/08/07 15:07 Date Received...: 11/08/07

% Moisture.....: 24

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>			<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	75.9	76.9	%	1.3	(0-20)	MCAWW 160.3 MOD	11/08-11/09/07	7312623
				Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	

Sample Control Chain of Custody – TAL North Canton
GC Semivolatiles

Lot/SDG
Number: **A7K080389**

<u>Lot Number</u>	<u>Work Order</u>	<u>Analysis Type</u>	<u>Prep Date</u>	<u>Prep Analyst</u>	<u>Date of Transfer</u>	<u>Transferred By</u>	<u>Analysis Date</u>	<u>Analyst</u>
A7K080389-001	KAVFC1AA	PCBs by SW-846 8082	11/08/07	Ray Shock		Ray Shock	11/09/07	Richard Charles
A7K080389-002	KAVFD1AA	PCBs by SW-846 8082	11/08/07	Ray Shock		Ray Shock	11/09/07	Richard Charles

END OF REPORT

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ANALYTICAL REPORT

PROJECT NO. E117001

GMPT BEDFORD - (013968-OS)

Lot #: A7J290198

Paul Wiseman

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

TESTAMERICA LABORATORIES, INC.



Alesia M. Danford
Project Manager

November 2, 2007

CASE NARRATIVE

CASE NARRATIVE

A7J290198

The following report contains the analytical results for one solid sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GMPT Bedford - (013968-OS) Site, project number E117001. The sample was received October 29, 2007, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to the Chemistry Department, Jeffrey Nichols, Chris Heij, GM Edds, Katie Kamm, Mary Kelly, Kathy Willy, Paul Gallaway, Pete Bridcut, Rick Charles and Sarah Heikoop on October 30, 2007. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters, which are never reported on a dry weight basis, is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Alesia M. Danford, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (Continued)

SUPPLEMENTAL QC INFORMATION

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP (#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A7J290198

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-389-102907-AH-26094 10/29/07 10:15	001			
Aroclor 1248	570	44	ug/kg	SW846 PCBs (8082)
Aroclor 1260	140	44	ug/kg	SW846 PCBs (8082)
Percent Solids	74.6	10.0	%	MCAWW 160.3 MOD

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7J290198

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs by SW-846 8082	SW846 PCBs (8082)
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SAMPLE SUMMARY

A7J290198

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
J94D1	001	S-389-102907-AH-26094	10/29/07	10:15

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

***SHIPPING
AND
RECEIVING DOCUMENTS***

Test America Cooler Receipt Form/Narrative

Lot Number:A7J290198

GM Bedford Site

Client: CRA Project: BEDFORD Quote#:060673
 Cooler Received on:10/29/07 Client Cooler by: Ray Shock
 (Signature)
 Client Drop Off
 1. Did custody papers accompany the samples? Yes No Relinquished by client? Yes No
 2. Did you sign the custody papers in the appropriate place? Yes No
 3. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial Coolant & Sample Against Bottles IR ICE/H₂O Slurry
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 4. Did all bottles arrive in good condition (Unbroken)? Yes No
 5. Could all bottle labels and/or tags be reconciled with the COC? Yes No
 12. Sufficient quantity received to perform indicated analyses? Yes No
 Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other
 Concerning:

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.

4. Other (see below or back)

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Coolant</u>
<u>Discrepancies Cont.</u>			

***POLYCHLORINATED
BIPHENYLS DATA***

QC SUMMARY DATA

SW846 PCBs (8082) SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290198

Extraction: XXA1347BD

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	S-389-102907-AH-26094	102	118	00
02	METHOD BLK. J94EX1AA	83	106	00
03	LCS J94EX1AC	83	112	00
04	LCSD J94EX1AD	82	115	00

<u>SURROGATES</u>		<u>QC LIMITS</u>
SRG01	= Tetrachloro-m-xylene	(10-196)
SRG02	= Decachlorobiphenyl	(10-199)

- # Column to be used to flag recovery values
- * Values outside of required QC Limits
- D System monitoring Compound diluted out

FORM II

SW846 PCBs (8082) CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290000

WO #: J94EX1AC

BATCH: 7302599

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	310	93	34- 127	
Aroclor 1260	330	350	105	32- 141	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc.

Client: Conestoga-Rovers & Associates, Inc.

Lab Code: TALCAN

SDG No:

Lot #: A7J290000

WO #: J94EX1AD

BATCH: 7302599

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	330	300	90	34- 127	
Aroclor 1260	330	340	102	32- 141	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 PCBs (8082) METHOD BLANK SUMMARY

BLANK WORKORDER NO.

Lab Name: TestAmerica Laboratories, Inc.

J94EX1AA

Lab Code: TALCAN

SDG Number:

Lab File ID: 003F0301.

Lot Number: A7J290198

Matrix: SOLID

Extraction Method:

Date Extracted: 10/29/07

Date Analyzed(1): 10/29/07

Date Analyzed(2): N/A

Time Analyzed(1): 18:55

Time Analyzed(2): N/A

Instrument ID(1): B2

Instrument ID(2): N/A

GC Column(1): N/A ID: N/A GC Column(2): N/A ID: N/A

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

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	S-389-102907-AH-26094	J94D11AA	10/29/07	N/A
02	CHECK SAMPLE	J94EX1AC C	10/29/07	N/A
03	DUPLICATE CHECK	J94EX1AD L	10/29/07	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

SAMPLE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-389-102907-AH-26094

GC Semivolatiles

Lot-Sample #....: A7J290198-001 Work Order #....: J94D11AA Matrix.....: SO
 Date Sampled...: 10/29/07 10:15 Date Received...: 10/29/07
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Initial Wgt/Vol: 30.11 g Final Wgt/Vol...: 10 mL
 % Moisture.....: 25 Method.....: SW846 PCBs (8082)

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	44	ug/kg
Aroclor 1221	ND	44	ug/kg
Aroclor 1232	ND	44	ug/kg
Aroclor 1242	ND	44	ug/kg
Aroclor 1248	570	44	ug/kg
Aroclor 1254	ND	44	ug/kg
Aroclor 1260	140	44	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	102	(10 - 196)
Decachlorobiphenyl	118	(10 - 199)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
Report Date: 30-Oct-2007 09:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
Lab Smp Id: J94D11AA Client Smp ID: S-389-102907-AH-260
Inj Date : 29-OCT-2007 20:35
Operator : 402338 Inst ID: B2.i
Smp Info : J94D11AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.110	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====
\$ 1	TCMX					CAS #: 877-09-8	
2.057	2.057	0.000	2177992	0.05082	16.88		

2	AROCLOR-1221					CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							

3	AROCLOR-1016					CAS #: 12674-11-2	
Compound Not Detected							

4	AROCLOR-1232					CAS #: 11141-16-5	
Compound Not Detected							

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
 Report Date: 30-Oct-2007 09:21

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ug/kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
Compound Not Detected							

6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	0	0.0000	0.0000	75.00- 125.00	0.00 (M)
3.142	3.145	-0.003	1198114	0.97157	322.7	129.13- 215.22	0.00
3.350	3.353	-0.003	1760938	0.86376	286.9	212.84- 354.73	0.00
3.434	3.437	-0.003	1718337	1.54712	513.8	118.78- 197.96	0.00
4.588	4.592	-0.004	1810584	1.69798	563.9	114.23- 190.39	0.00
Average of Peak Concentrations =					421.8		

7 AROCLOR-1254			CAS #: 11097-69-1				
Compound Not Detected							

8 AROCLOR-1260			CAS #: 11096-82-5				
4.866	4.867	-0.001	510313	0.23942	79.52	80.00- 120.00	100.00 (M)
5.285	5.282	0.003	1269602	0.38115	126.6	118.78- 197.97	248.79
5.675	5.677	-0.002	1468757	0.38619	128.3	140.75- 234.58	287.81
6.527	6.528	-0.001	790280	0.18901	62.77	152.37- 253.95	154.86
6.863	6.860	0.003	1008712	0.42211	140.2	85.18- 141.97	197.67
Average of Peak Concentrations =					107.5		

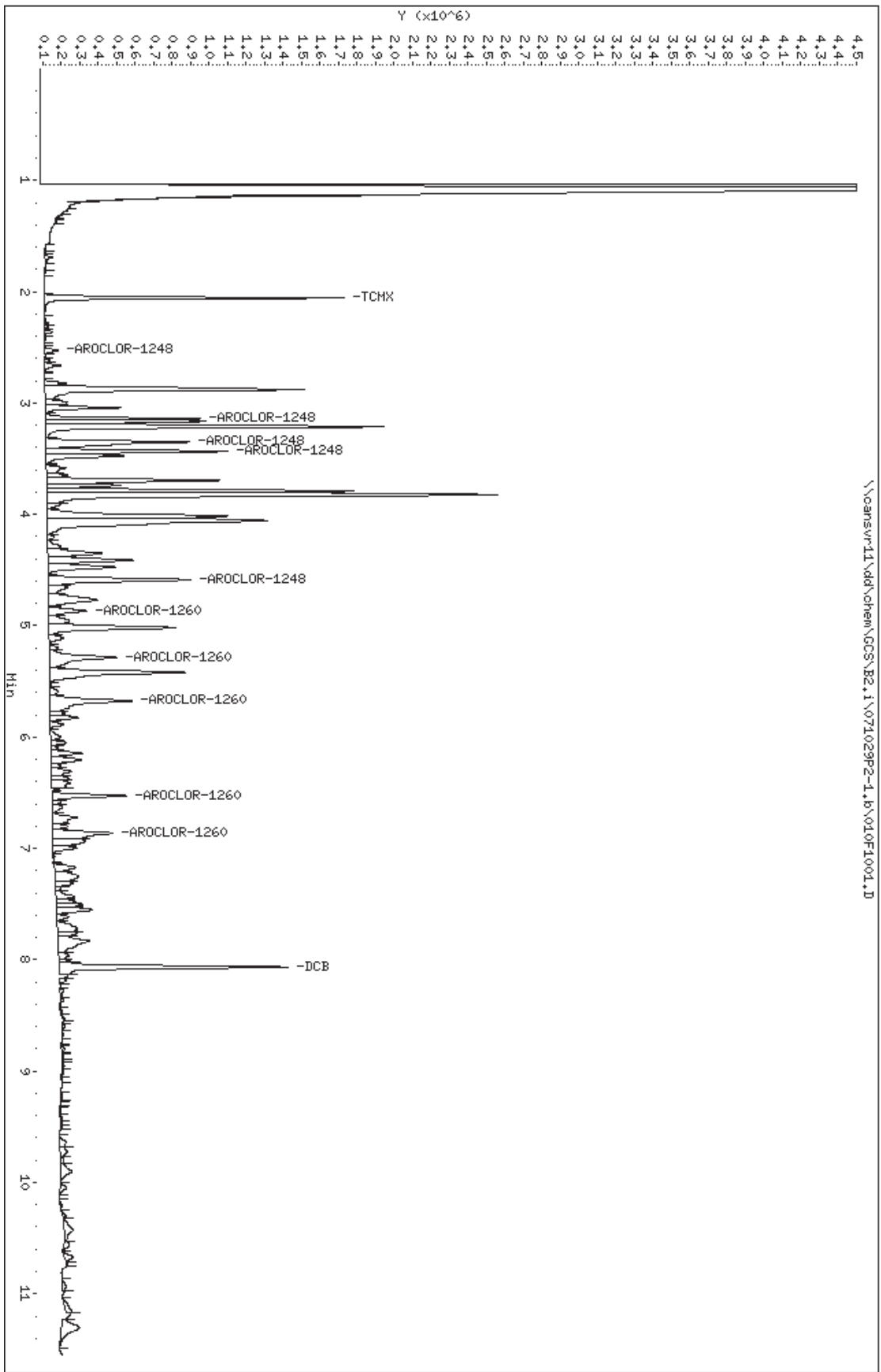
9 DCB			CAS #: 2051-24-3				
8.066	8.066	0.000	2477783	0.05921	19.66		(M)

QC Flag Legend

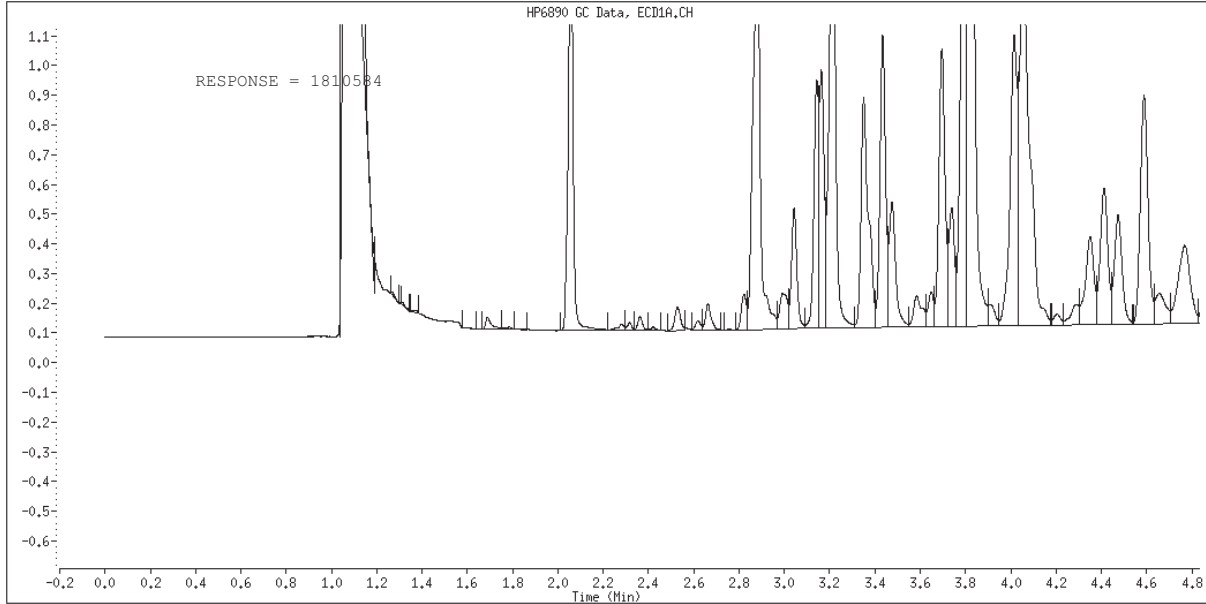
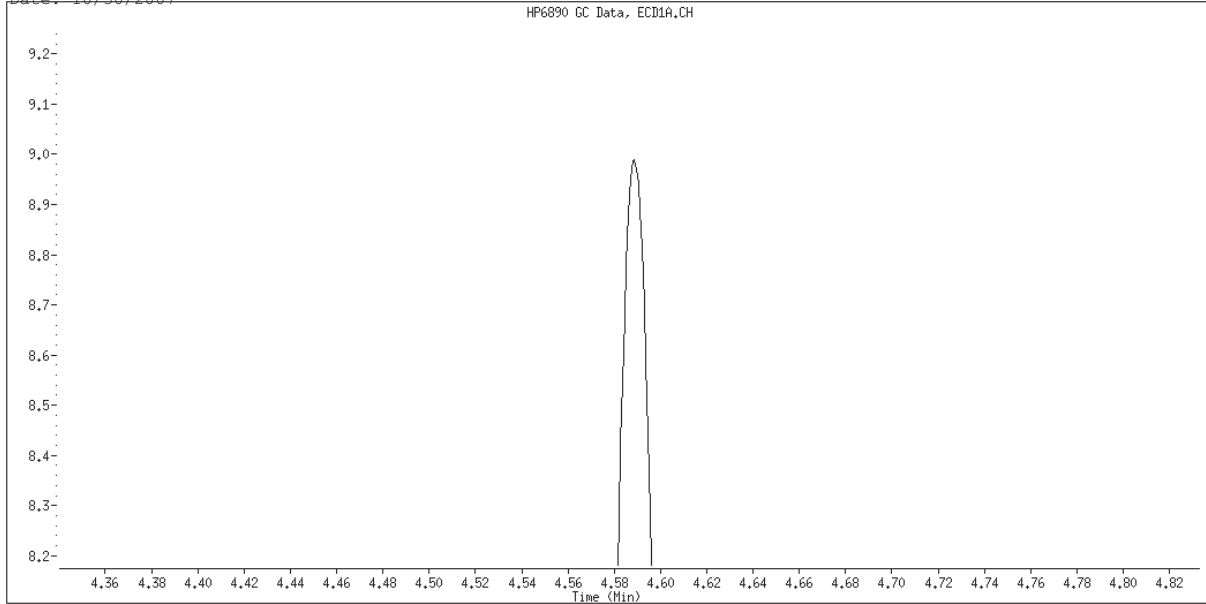
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Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\010F1001.D
 Date: 29-OCT-2007 20:35
 Client ID: S-389-102907-4H-260
 Sample Info: J94D11A9.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53

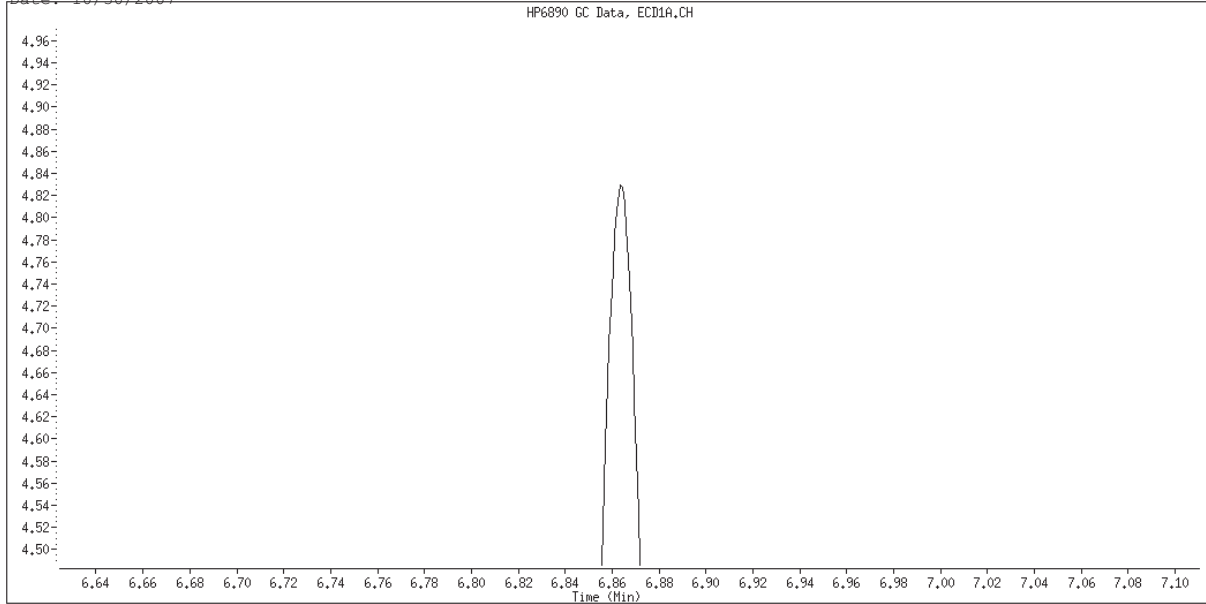


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Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/30/2007

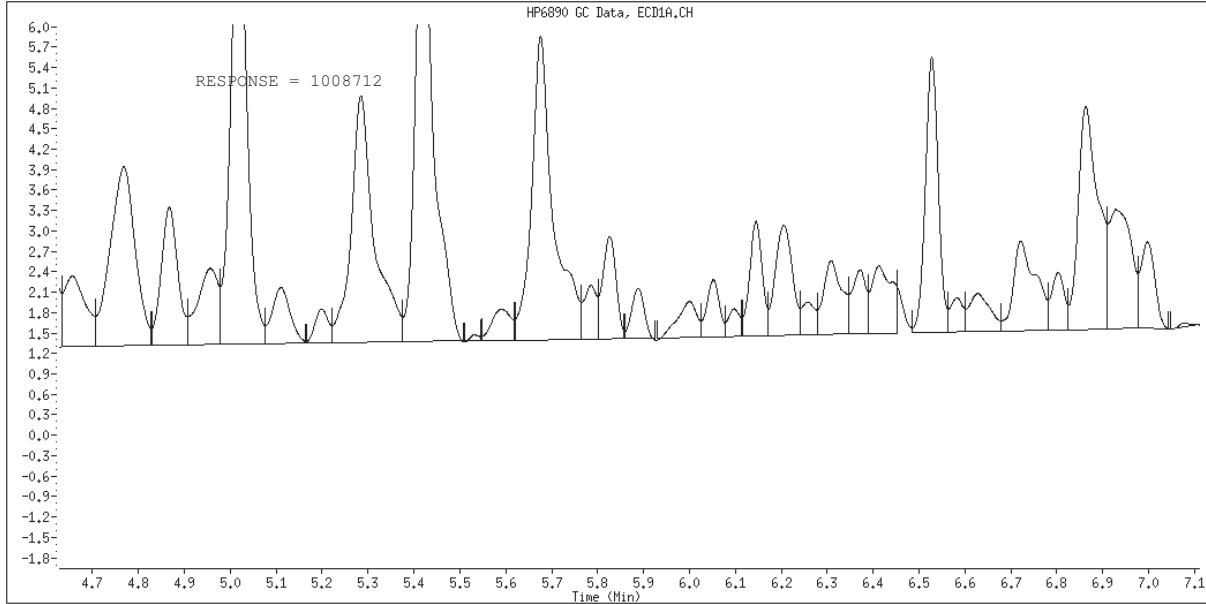


Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 010F1001.D
Inj. Date and Time: 29-OCT-2007 20:35
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Client ID: S-389-102907-AH-260
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



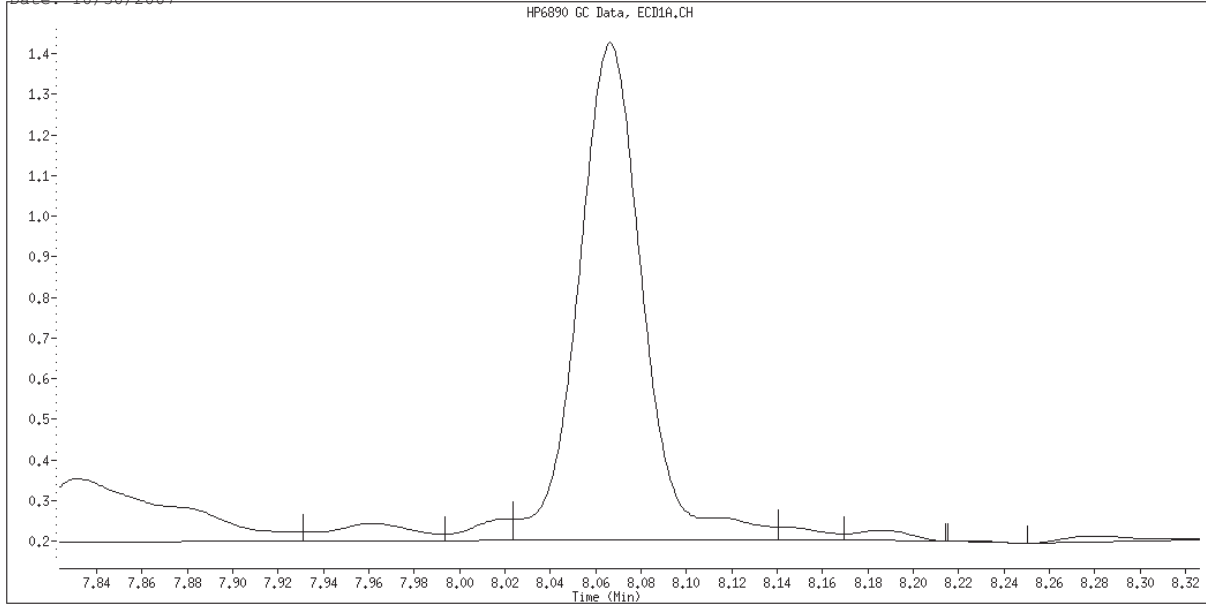
Original Integration



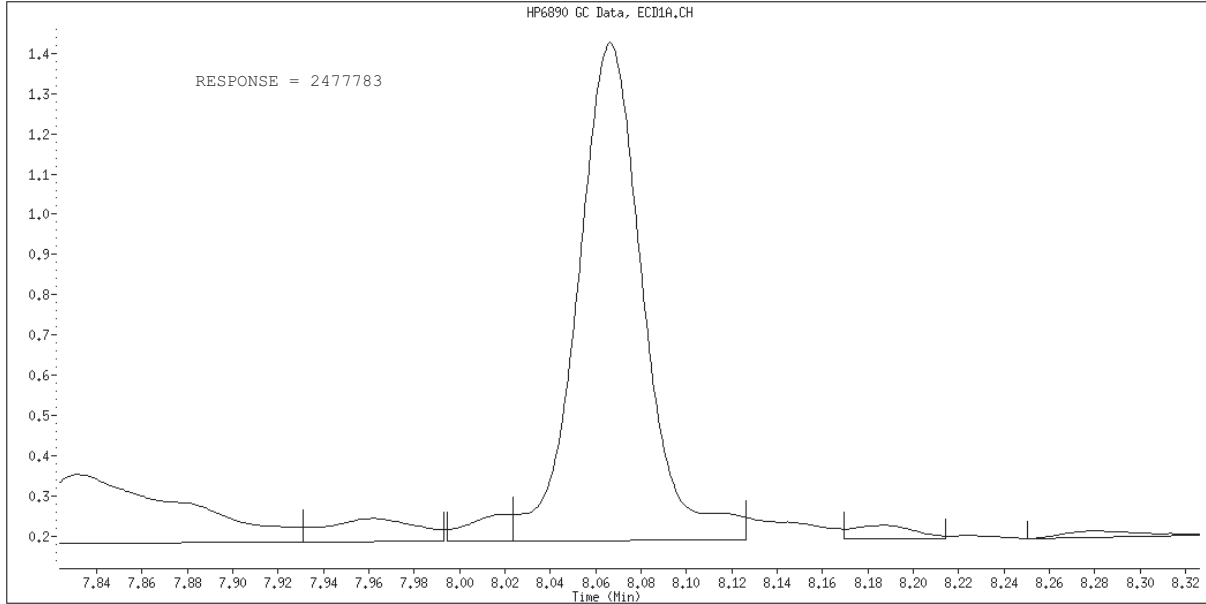
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 010F1001.D
Inj. Date and Time: 29-OCT-2007 20:35
Instrument ID: B2.i
Client ID: S-389-102907-AH-260
Compound Name: DCB
CAS #: 2051-24-3
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
 Report Date: 30-Oct-2007 09:21

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
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 Inj Date : 29-OCT-2007 20:35
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94D11AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.110	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.043	10353193	12385234	1.196	29.685	
1.140	646368	693305	1.073	1.658	
1.267	11438	9214	0.806	0.022	
1.315	9949	10698	1.075	0.025	
1.360	11177	7083	0.634	0.016	
1.581	4673	866	0.185	0.002	
1.689	69562	41235	0.593	0.098	
1.786	14953	7742	0.518	0.018	
1.822	6156	3222	0.523	0.007	
2.057	2177993	1626824	0.747	3.890	\$ 1 TCMX
2.281	42562	19822	0.466	0.047	
2.317	34904	25873	0.741	0.061	
2.363	65006	45899	0.706	0.109	
2.420	14483	10670	0.737	0.025	
2.528	134383	76929	0.572	0.183	6 AROCLOR-1248
2.618	48604	29744	0.612	0.071	
2.663	150186	89768	0.598	0.214	
2.755	4476	3403	0.760	0.008	
2.822	185748	118906	0.640	0.284	
2.880	3073977	1406788	0.458	3.364	
2.992	282744	117097	0.414	0.280	
3.043	661513	405070	0.612	0.968	
3.143	1198115	834201	0.696	1.995	6 AROCLOR-1248
3.164	1331502	867490	0.652	2.074	
3.213	3351985	1827862	0.545	4.371	

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
 Report Date: 30-Oct-2007 09:21

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.350	1760938	773392	0.439	1.849	6 AROCLOR-1248
3.435	1718337	984658	0.573	2.355	6 AROCLOR-1248
3.475	838358	421813	0.503	1.008	
3.584	278137	104727	0.377	0.250	
3.650	200003	117091	0.585	0.280	
3.696	1776390	935619	0.527	2.237	
3.740	698734	399746	0.572	0.956	
3.792	2773092	1657620	0.598	3.964	
3.825	5184117	2436450	0.470	5.827	
3.912	151198	72373	0.479	0.173	
4.015	2140521	978744	0.457	2.340	
4.056	3922348	1193220	0.304	2.853	
4.205	84031	37737	0.449	0.090	
4.286	171281	69329	0.405	0.165	
4.351	783849	295297	0.377	0.706	
4.412	1074764	459550	0.428	1.099	
4.474	885381	366417	0.414	0.876	
4.589	1810585	768673	0.425	1.838	6 AROCLOR-1248
4.656	337210	103133	0.306	0.246	
4.769	999799	263100	0.263	0.629	
4.866	510313	202733	0.397	0.484	8 AROCLOR-1260
4.956	343796	111353	0.324	0.266	
5.019	1686761	684595	0.406	1.637	
5.110	223545	81717	0.366	0.195	
5.199	99634	49729	0.499	0.118	
5.285	1269603	361643	0.285	0.864	8 AROCLOR-1260
5.420	1971473	734539	0.373	1.756	
5.533	10170	8241	0.810	0.019	
5.588	132360	45193	0.341	0.108	
5.675	1468757	444792	0.303	1.063	8 AROCLOR-1260
5.786	152232	78525	0.516	0.187	
5.826	308750	150238	0.487	0.359	
5.888	138343	73487	0.531	0.175	
6.000	152318	53086	0.349	0.126	
6.052	160630	83902	0.522	0.200	
6.097	71128	40696	0.572	0.097	
6.145	332321	168603	0.507	0.403	
6.205	423330	161433	0.381	0.386	
6.258	94282	48079	0.510	0.114	
6.309	307150	108618	0.354	0.259	
6.372	200736	94117	0.469	0.225	
6.412	305216	99747	0.327	0.238	
6.528	790280	404067	0.511	0.966	8 AROCLOR-1260
6.584	95834	49779	0.519	0.119	
6.627	177226	56458	0.319	0.135	
6.720	446719	131371	0.294	0.314	
6.804	167351	84036	0.502	0.200	
6.864	1008713	327403	0.325	0.783	8 AROCLOR-1260
6.928	594779	175056	0.294	0.418	
6.997	273441	127670	0.467	0.305	
7.078	7587	6514	0.859	0.015	
7.170	291023	113847	0.391	0.272	
7.249	540837	130995	0.242	0.313	
7.315	229356	96959	0.423	0.231	
7.358	45400	28818	0.635	0.068	
7.430	275617	103623	0.376	0.247	
7.475	177848	103213	0.580	0.246	

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\010F1001.D
 Report Date: 30-Oct-2007 09:21

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
7.508	283965	144442	0.509	0.345	
7.552	483363	193686	0.401	0.463	
7.616	140545	63926	0.455	0.152	
7.713	429016	106013	0.247	0.253	
7.762	234674	105470	0.449	0.252	
7.831	815727	169972	0.208	0.406	
7.962	163693	57180	0.349	0.136	
8.020	91455	66665	0.729	0.159	
8.066	2477784	1238755	0.500	2.962	\$ 9 DCB
8.187	65316	34140	0.523	0.081	
8.278	44085	16903	0.383	0.040	
8.360	31011	15533	0.501	0.037	
8.458	19730	10611	0.538	0.025	
8.532	36354	16780	0.462	0.040	
8.602	28828	16851	0.585	0.040	
8.674	21655	11670	0.539	0.027	
8.728	12744	6964	0.546	0.016	
8.802	41840	20676	0.494	0.049	
8.870	22335	10211	0.457	0.024	
8.911	7185	7279	1.013	0.017	
8.950	34715	12588	0.363	0.030	
9.003	32769	12777	0.390	0.030	
9.082	4818	3381	0.702	0.008	
9.226	19299	6701	0.347	0.016	
9.286	3892	3389	0.871	0.008	
9.354	14374	8594	0.598	0.020	
9.418	19915	8132	0.408	0.019	
9.455	8069	5028	0.623	0.012	
9.504	13835	8002	0.578	0.019	
9.640	121637	35566	0.292	0.085	
9.727	164669	41806	0.254	0.099	
9.802	56511	20260	0.359	0.048	
9.903	289707	60971	0.210	0.145	
10.047	95436	31219	0.327	0.074	
10.205	24062	9551	0.397	0.022	
10.303	39221	15896	0.405	0.038	
10.425	280597	47642	0.170	0.113	
10.565	92925	27679	0.298	0.066	
10.672	135234	47380	0.350	0.113	
10.732	21507	12082	0.562	0.028	
10.927	78409	19876	0.253	0.047	
11.148	155638	33267	0.214	0.079	
11.307	570016	96582	0.169	0.230	
=====	=====	=====	=====	=====	
	74688138	41810605		100.000	

Total unknown % height = 80.77

STANDARD DATA

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	3-ar1248	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	2-ar1242	\\canpmobl\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	1-ar1232	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		
08-OCT-2007 19:36	9-ar2154	\\canpmobl\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11	3-ar1248	

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\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
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| Cal Level: 5 , Cal Amount: 2.00000
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=====+=====+=====+
08-OCT-2007 19:50 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
08-OCT-2007 18:25 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
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| Cal Level: 6 , Cal Amount: 4.00000
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08-OCT-2007 20:04 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
08-OCT-2007 18:39 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
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Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

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09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 13:42 |12-ar1660td |
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08-OCT-2007 19:36 |9-ar2154 |
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08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
08-OCT-2007 16:46 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\018F1801.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 14:24 |6-ar1660 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
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Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Calibration File Names:

Level 1: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\027F2701.D
Level 2: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\028F2801.D
Level 3: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\029F2901.D
Level 4: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\030F3001.D
Level 5: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\031F3101.D
Level 6: \\CANSVR11\DD\GCS\B2.i\071008IC-1.b\032F3201.D

Compound	0.10000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD
2 AROCLOR-1221(1)	631630	635680	590104	537818	514074	478597	564650	11.440
(2)	376430	365385	348072	320099	287597	262904	326748	13.734
(3)	1645930	1576660	1440216	1288442	1248275	1185848	1397562	13.371
3 AROCLOR-1016(1)	722330	749335	652596	706183	685606	666803	697142	5.163
(2)	1660950	1633930	1364112	1441096	1433089	1373020	1484366	8.779
(3)	3593310	3328715	2958570	3268445	3373015	3241803	3293976	6.265
(4)	1464140	1500765	1291114	1384743	1406189	1410237	1409531	5.111
(5)	1467660	1496500	1309642	1375307	1390717	1357520	1399558	5.007
4 AROCLOR-1232(1)	1093890	1069290	979002	1116628	1119510	1067918	1074373	4.813
(2)	752910	772530	706382	797164	816986	770574	769424	4.962
(3)	1607240	1718340	1550946	1828584	1912558	1878970	1749440	8.488
(4)	640830	705540	708110	785161	809385	804644	742278	9.145
(5)	630150	654225	648270	729674	751784	723016	689520	7.419
5 AROCLOR-1242(1)	845120	753950	698394	722505	819211	777041	769370	7.296
(2)	1409500	1469515	1342662	1406638	1384966	1320576	1388976	3.818
(3)	3077190	3012860	2867098	3146597	3174883	3132992	3068603	3.724
(4)	1316390	1402135	1305588	1345801	1388889	1351989	1351799	2.833
(5)	1276350	1404550	1290416	1380697	1375376	1357906	1347549	3.865
6 AROCLOR-1248(1)	824630	830520	740680	669486	658067	627044	725071	12.097
(2)	1387580	1333280	1219738	1152706	1155998	1149756	1233176	8.383
(3)	2245010	2165685	2051588	1899906	1918965	1951017	2038695	6.942
(4)	1188210	1161355	1123250	1060243	1056750	1074186	1110666	5.016
(5)	1087160	1142790	1101556	1019714	975721	1070941	1066314	5.615
7 AROCLOR-1254(1)	3441610	3291650	3094026	2877123	2900973	2808995	3069063	8.265
(2)	3895220	3678625	3503072	3286638	3394145	3313098	3511800	6.726
(3)	2944650	2746085	2804792	2591924	2687230	2634447	2734855	4.677
(4)	2595580	2448065	2457700	2228730	2282788	2217339	2371700	6.409
(5)	3969210	3804150	3764462	3482902	3627307	3573391	3703570	4.767

Report Date : 15-Oct-2007 16:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 08-OCT-2007 12:59
End Cal Date : 09-OCT-2007 12:54
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\CANSVR11\DD\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Last Edit : 10-Oct-2007 11:37 target
Curve Type : Average

Compound	0.10000	0.20000	0.50000	1.000	2.000	4.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
8 AROCLOR-1260 (1)	2213240	2219030	1953660	2111211	2169444	2121944	2131421	4.593
(2)	3420230	3343315	3025928	3329113	3484712	3382534	3330972	4.793
(3)	3682190	3685840	3402928	3877669	4092114	4078182	3803154	6.989
(4)	4084980	3981090	3830818	4282983	4522348	4384508	4181121	6.238
(5)	2448370	2315010	2249732	2378774	2483236	2463049	2389695	3.874
\$ 1 TCMX	38555400	39754300	39457480	45468760	48194105	45711500	42856924	9.515
\$ 9 DCB	41449200	40735400	38289840	42835790	44443760	43341568	41849260	5.235

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
 Report Date: 08-Oct-2007 13:28

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 12:59
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,1
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 08-Oct-2007 13:27 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 12:59 Cal File: 002F0201.D
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 TCMX			CAS #: 877-09-8					
2.061	2.061	0.000	385554	0.01000	0.01000			

3 AROCLOR-1016			CAS #: 12674-11-2					
2.285	2.285	0.000	72233	0.10000	0.1000	0.00-	0.00	100.00
2.532	2.532	0.000	166095	0.10000	0.1000	0.00-	0.00	229.94
2.885	2.885	0.000	359331	0.10000	0.1000	0.00-	0.00	497.46
2.996	2.996	0.000	146414	0.10000	0.1000	0.00-	0.00	202.70
3.357	3.357	0.000	146766	0.10000	0.1000	0.00-	0.00	203.18
Average of Peak Amounts =				0.10000				

8 AROCLOR-1260			CAS #: 11096-82-5					
4.879	4.879	0.000	221324	0.10000	0.1000	0.00-	0.00	100.00 (M)
5.294	5.294	0.000	342023	0.10000	0.1000	0.00-	0.00	154.53
5.687	5.687	0.000	368219	0.10000	0.1000	0.00-	0.00	166.37
6.537	6.537	0.000	408498	0.10000	0.1000	0.00-	0.00	184.57
6.868	6.868	0.000	244837	0.10000	0.1000	0.00-	0.00	110.62
Average of Peak Amounts =				0.10000				

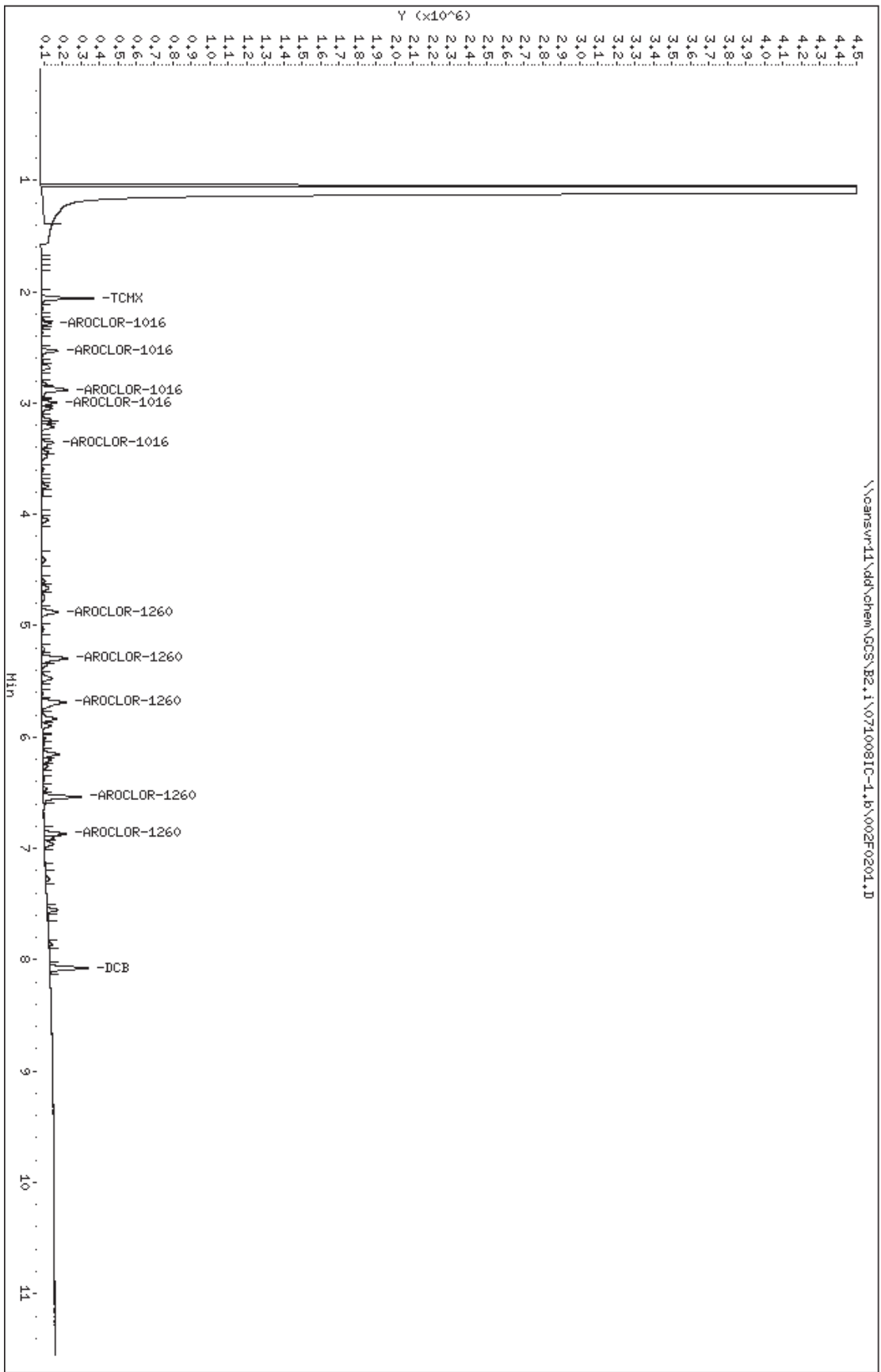
\$ 9 DCB			CAS #: 2051-24-3					
8.076	8.076	0.000	414492	0.01000	0.01000			

QC Flag Legend

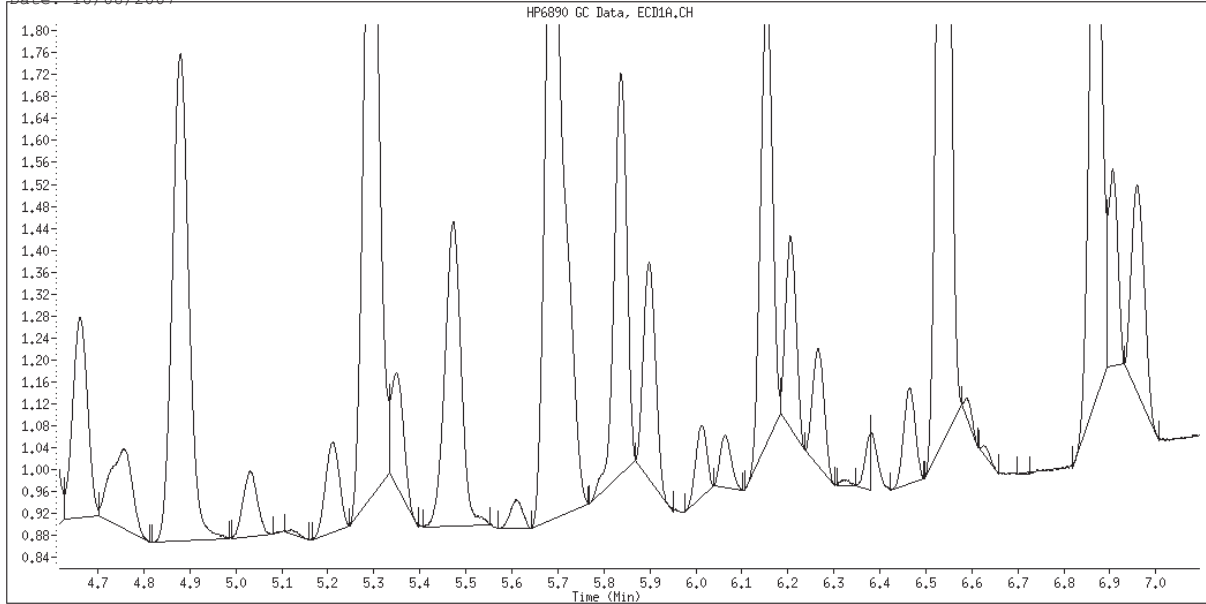
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\CCS\B2.1\0710081C-1.6\002F0201.D
 Date : 08-OCT-2007 12:59
 Client ID:
 Sample Info: 1660,1,1
 Column phase: restek pest c1p1

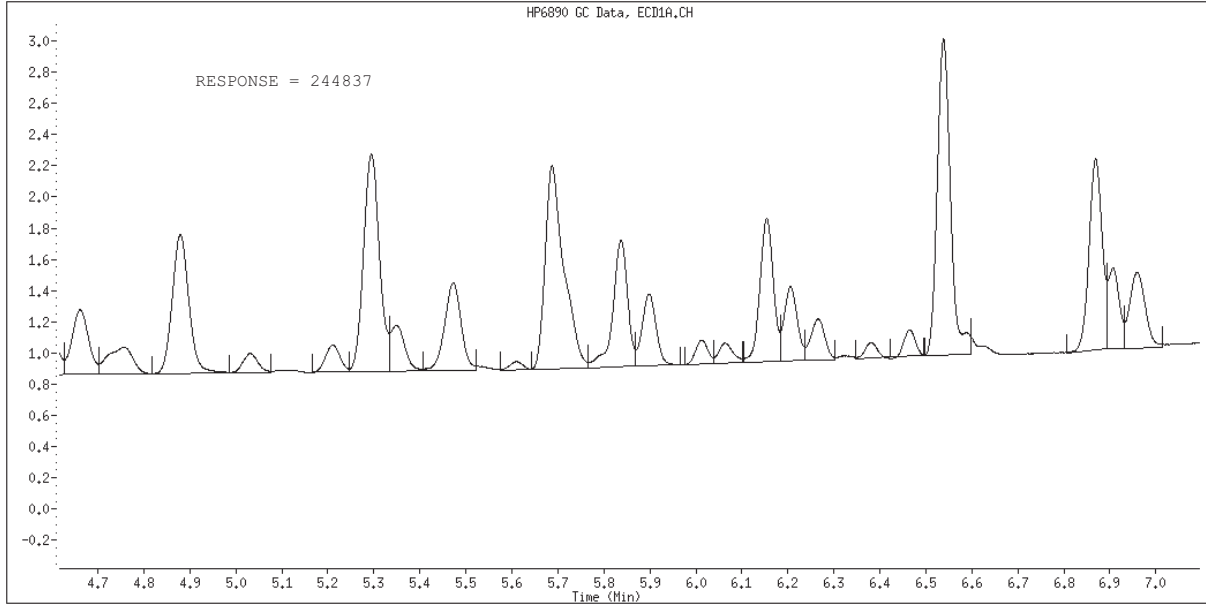
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 002F0201.D
Inj. Date and Time: 08-OCT-2007 12:59
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/08/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:13
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,2
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:13 Cal File: 003F0301.D
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.061	2.061	0.000	795086	0.02000	0.01855		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.285	2.285	0.000	149867	0.20000	0.2025	75.00-	125.00
						100.00(M)	
2.531	2.531	0.000	326786	0.20000	0.2202	129.14-	215.24
						196.97	
2.884	2.884	0.000	665743	0.20000	0.2021	292.90-	488.16
						401.28	
2.996	2.996	0.000	300153	0.20000	0.2129	124.09-	206.82
						180.92	
3.357	3.357	0.000	299300	0.20000	0.2138	123.25-	205.41
						180.40	
Average of Peak Amounts =			0.21030				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.878	4.878	0.000	443806	0.20000	0.2087	75.00-	125.00
						100.00(M)	
5.293	5.293	0.000	668663	0.20000	0.2010	118.27-	197.11
						150.67	
5.686	5.686	0.000	737168	0.20000	0.1940	137.75-	229.59
						166.10	
6.537	6.537	0.000	796218	0.20000	0.1905	152.15-	253.59
						179.41	
6.869	6.869	0.000	463002	0.20000	0.1937	84.51-	140.84
						104.33	
Average of Peak Amounts =			0.19758				

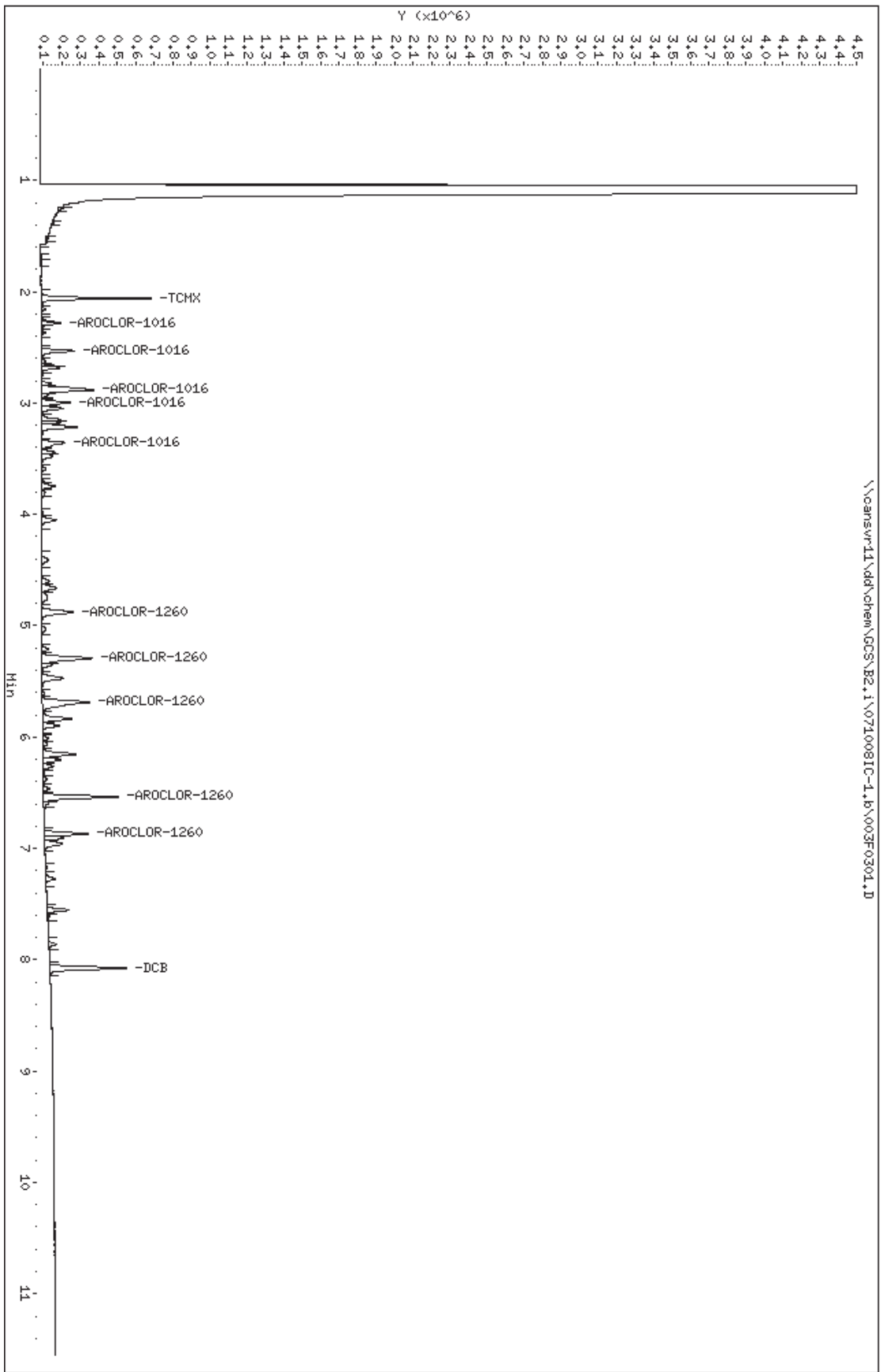
\$ 9 DCB CAS #: 2051-24-3							
8.076	8.076	0.000	814708	0.02000	0.01947		

QC Flag Legend

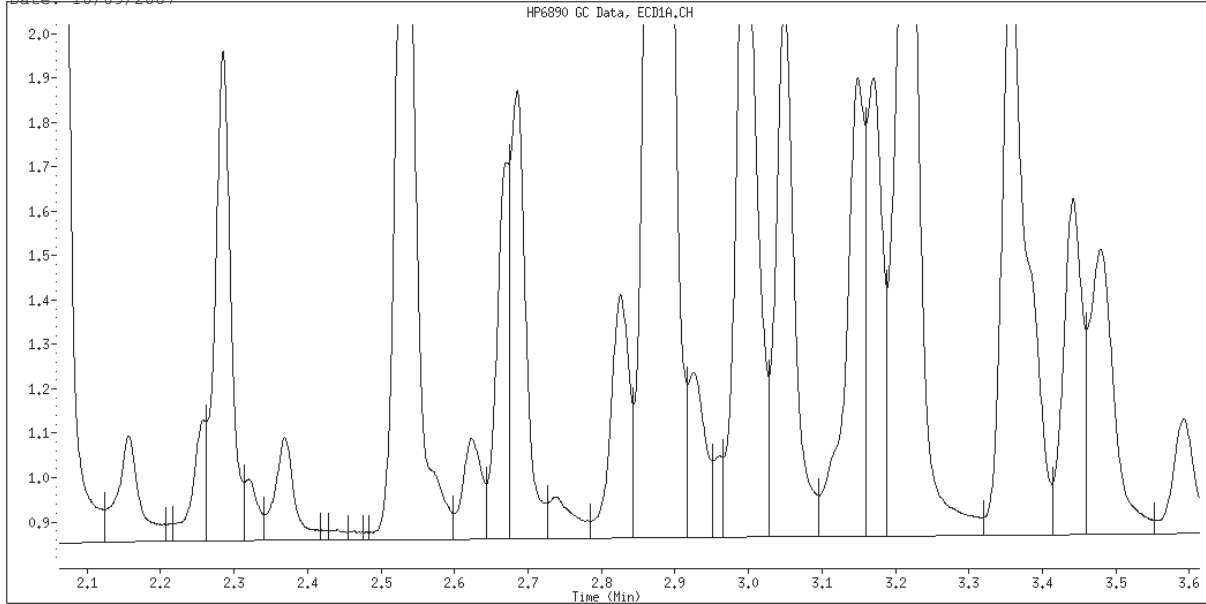
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.1\003F0301.D
 Date : 08-OCT-2007 13:13
 Client ID:
 Sample Info: 1660,1,2
 Column phase: restek pest c1p1

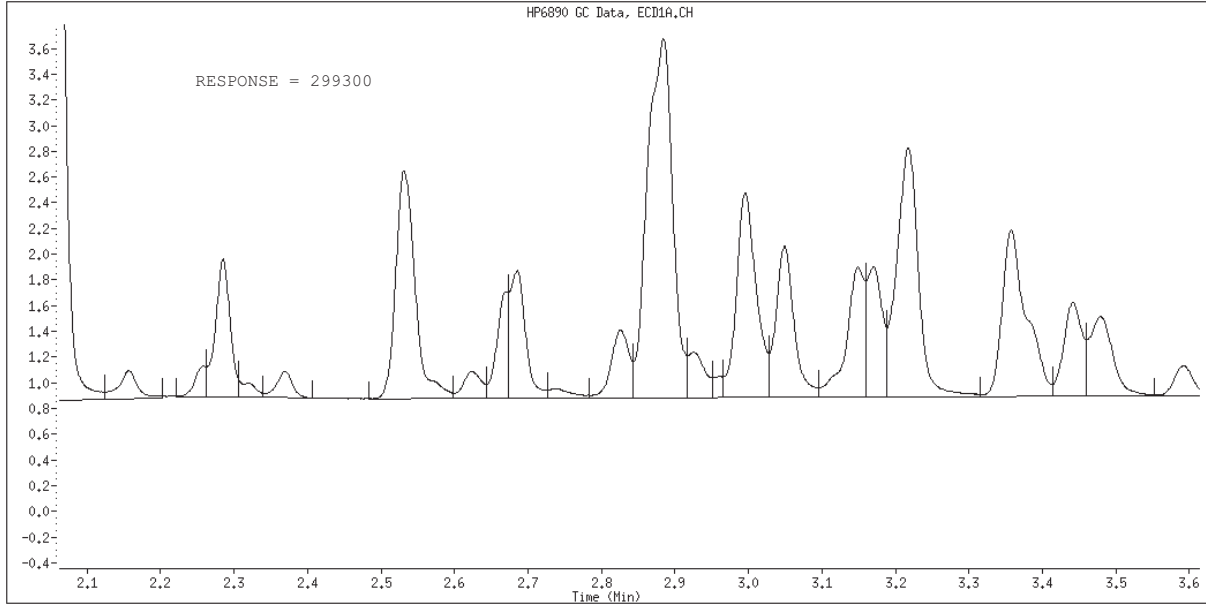
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



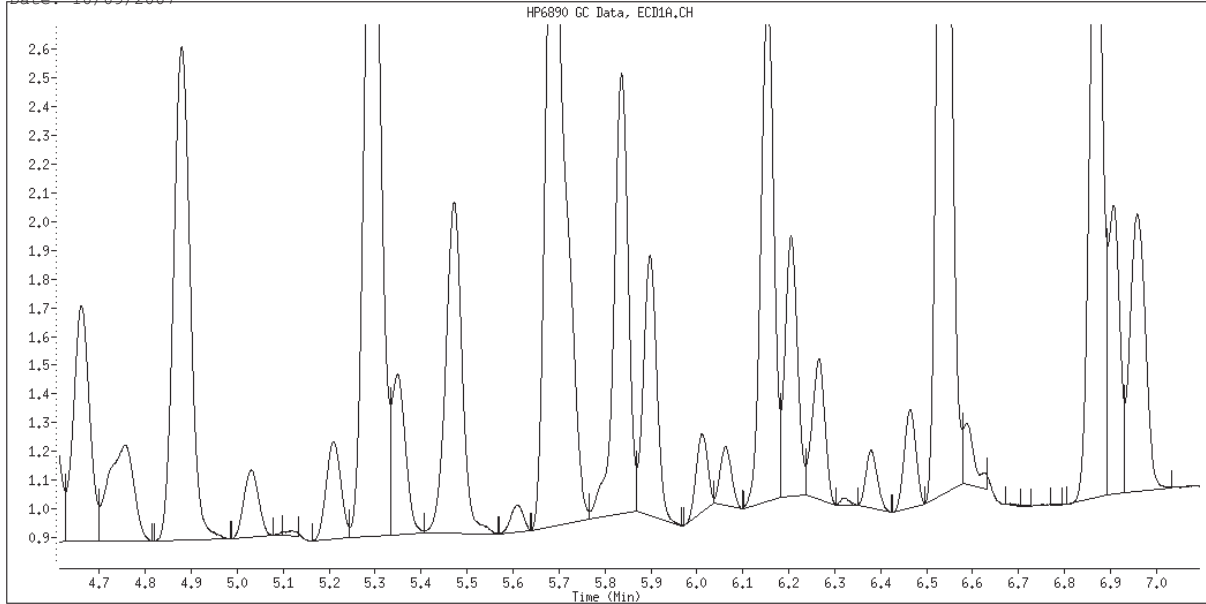
Original Integration



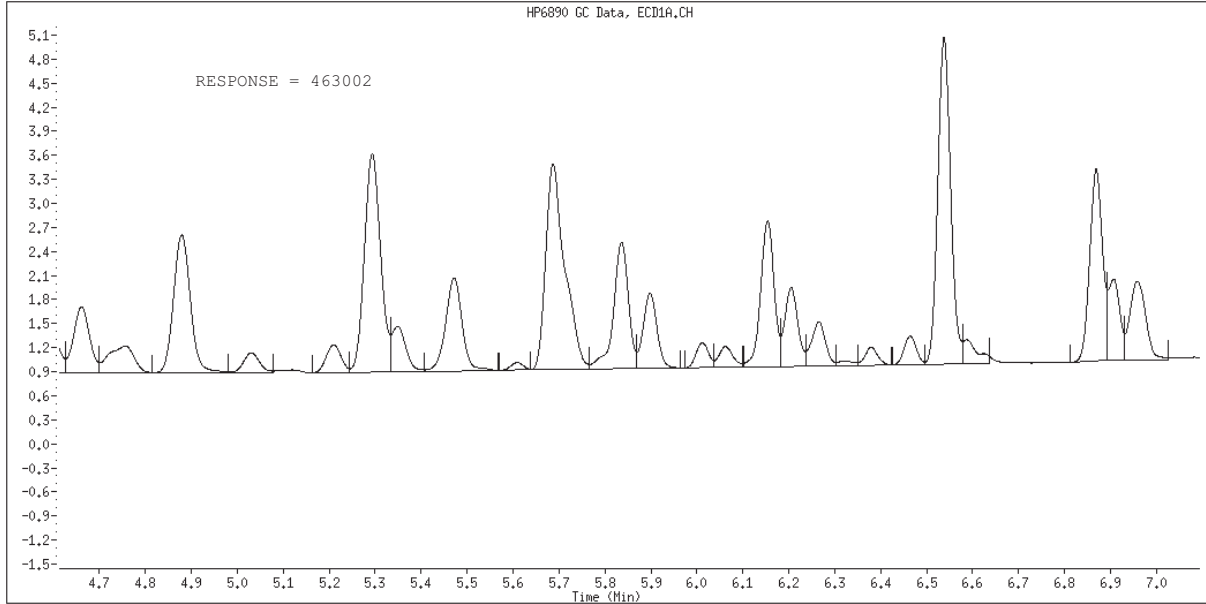
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File Name: 003F0301.D
Inj. Date and Time: 08-OCT-2007 13:13
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Report Date: 09-Oct-2007 10:05

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:27
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,3
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:27 Cal File: 004F0401.D
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8		
2.060	2.060	0.000	1972874	0.05000	0.04603		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.284	2.284	0.000	326298	0.50000	0.4331	75.00- 125.00	100.00
2.530	2.530	0.000	682056	0.50000	0.4595	129.14- 215.24	209.03
2.883	2.883	0.000	1479285	0.50000	0.4491	292.90- 488.16	453.35
2.994	2.994	0.000	645557	0.50000	0.4580	124.09- 206.82	197.84
3.356	3.356	0.000	654821	0.50000	0.4679	123.25- 205.41	200.68
Average of Peak Amounts =			0.45352				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.877	4.877	0.000	976830	0.50000	0.4593	75.00- 125.00	100.00 (M)
5.292	5.292	0.000	1512964	0.50000	0.4548	118.27- 197.11	154.89
5.686	5.686	0.000	1701464	0.50000	0.4479	137.75- 229.59	174.18
6.536	6.536	0.000	1915409	0.50000	0.4584	152.15- 253.59	196.08
6.867	6.867	0.000	1124866	0.50000	0.4705	84.51- 140.84	115.15
Average of Peak Amounts =			0.45818				

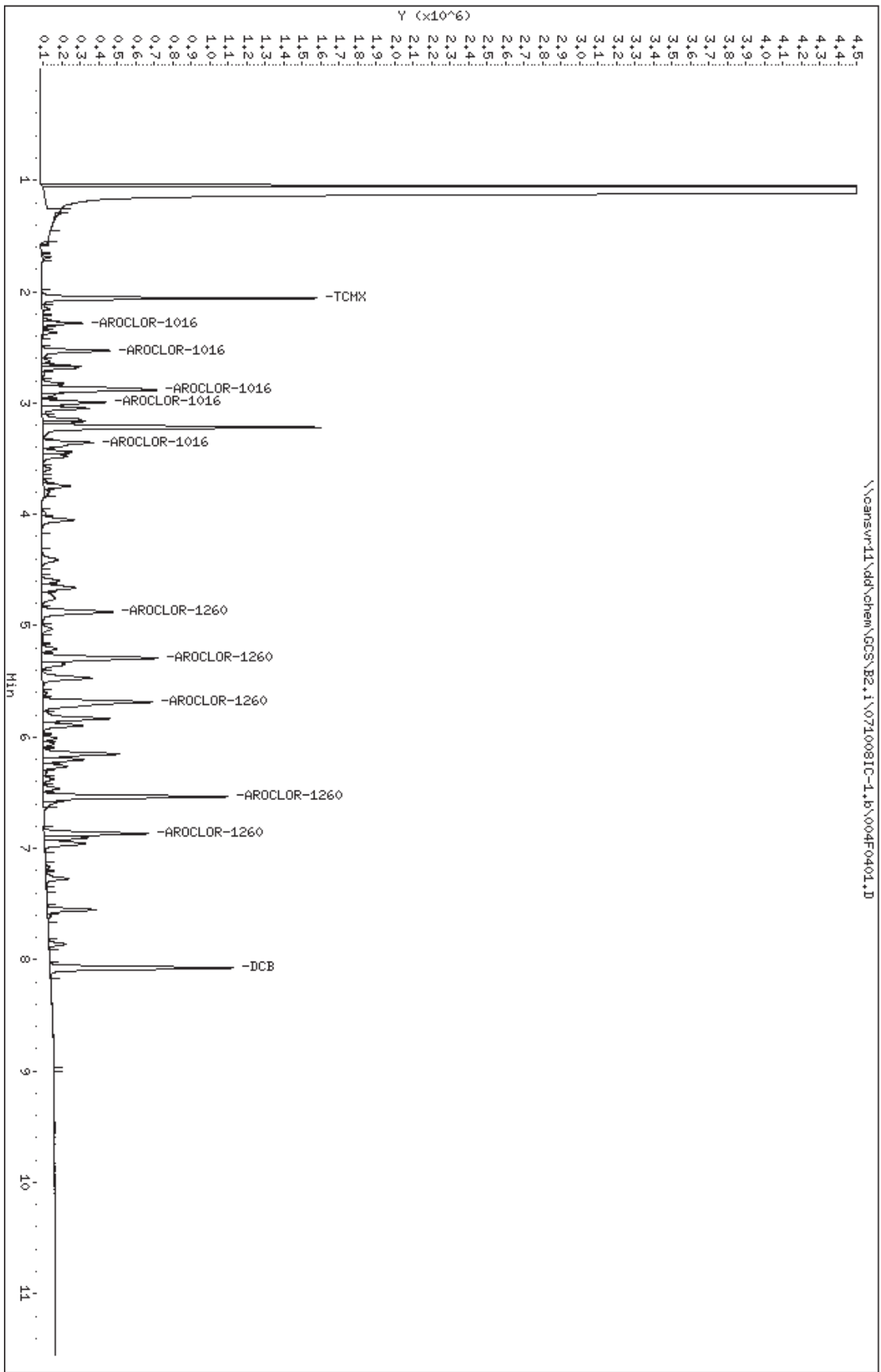
\$ 9	DCB				CAS #: 2051-24-3		
8.073	8.073	0.000	1914492	0.05000	0.04575		

QC Flag Legend

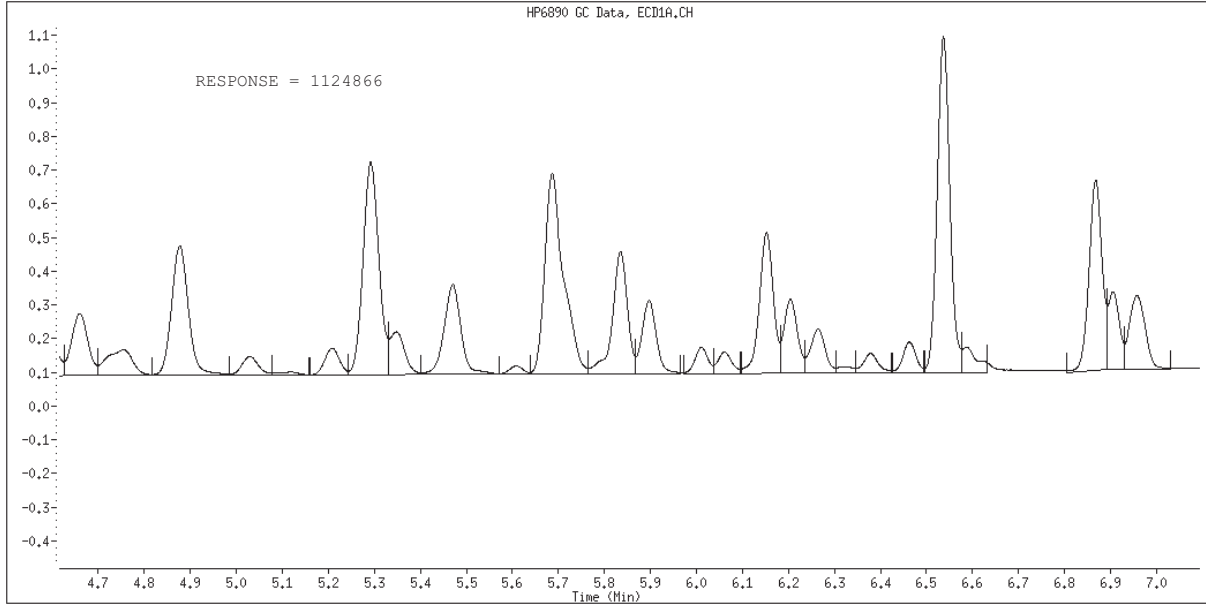
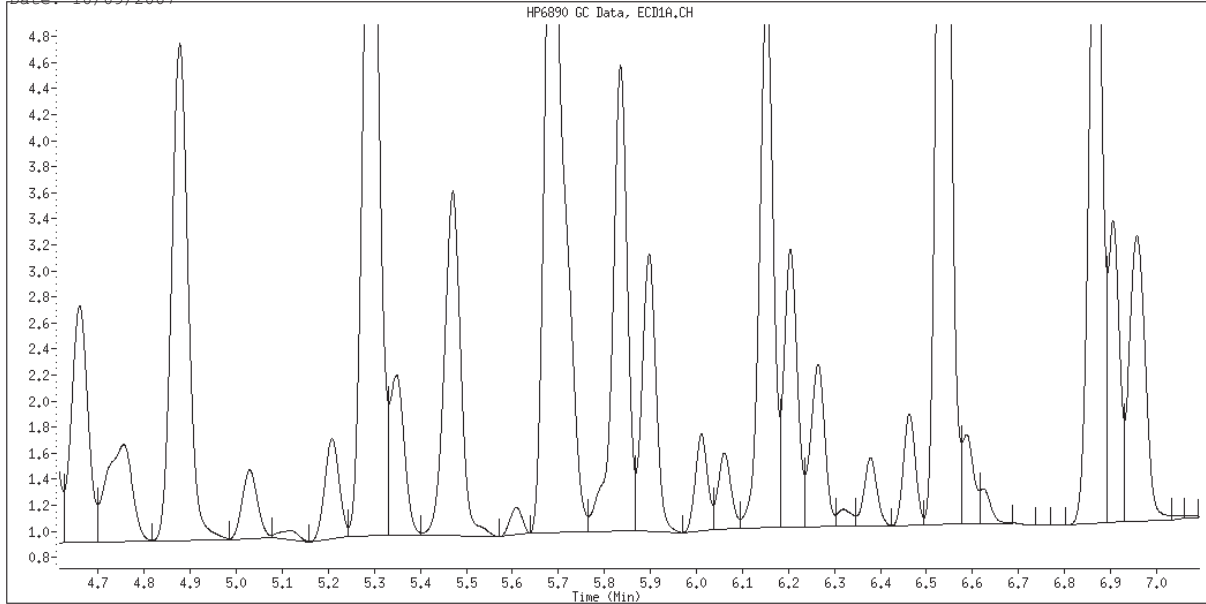
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\004F0401.D
 Date : 08-OCT-2007 13:27
 Client ID:
 Sample Info: 1660,1.3
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 004F0401.D
Inj. Date and Time: 08-OCT-2007 13:27
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Report Date: 09-Oct-2007 12:36

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:42
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,4
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:42 Cal File: 005F0501.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	4546876	0.10000	0.1061	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.284	2.284	0.000	706183	1.00000	1.013 80.00- 120.00	100.00(M)
2.531	2.531	0.000	1441096	1.00000	0.9708 153.05- 255.09	204.07
2.884	2.884	0.000	3268445	1.00000	0.9922 347.12- 578.54	462.83
2.995	2.995	0.000	1384743	1.00000	0.9824 147.07- 245.11	196.09
3.356	3.356	0.000	1375307	1.00000	0.9827 146.06- 243.44	194.75
Average of Peak Amounts =			0.98822			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.878	4.878	0.000	2111211	1.00000	0.9905 80.00- 120.00	100.00
5.292	5.292	0.000	3329113	1.00000	0.9994 118.27- 197.11	157.69
5.685	5.685	0.000	3877669	1.00000	1.020 137.75- 229.59	183.67
6.536	6.536	0.000	4282983	1.00000	1.024 152.15- 253.59	202.87
6.868	6.868	0.000	2378774	1.00000	0.9954 84.51- 140.84	112.67
Average of Peak Amounts =			1.00586			

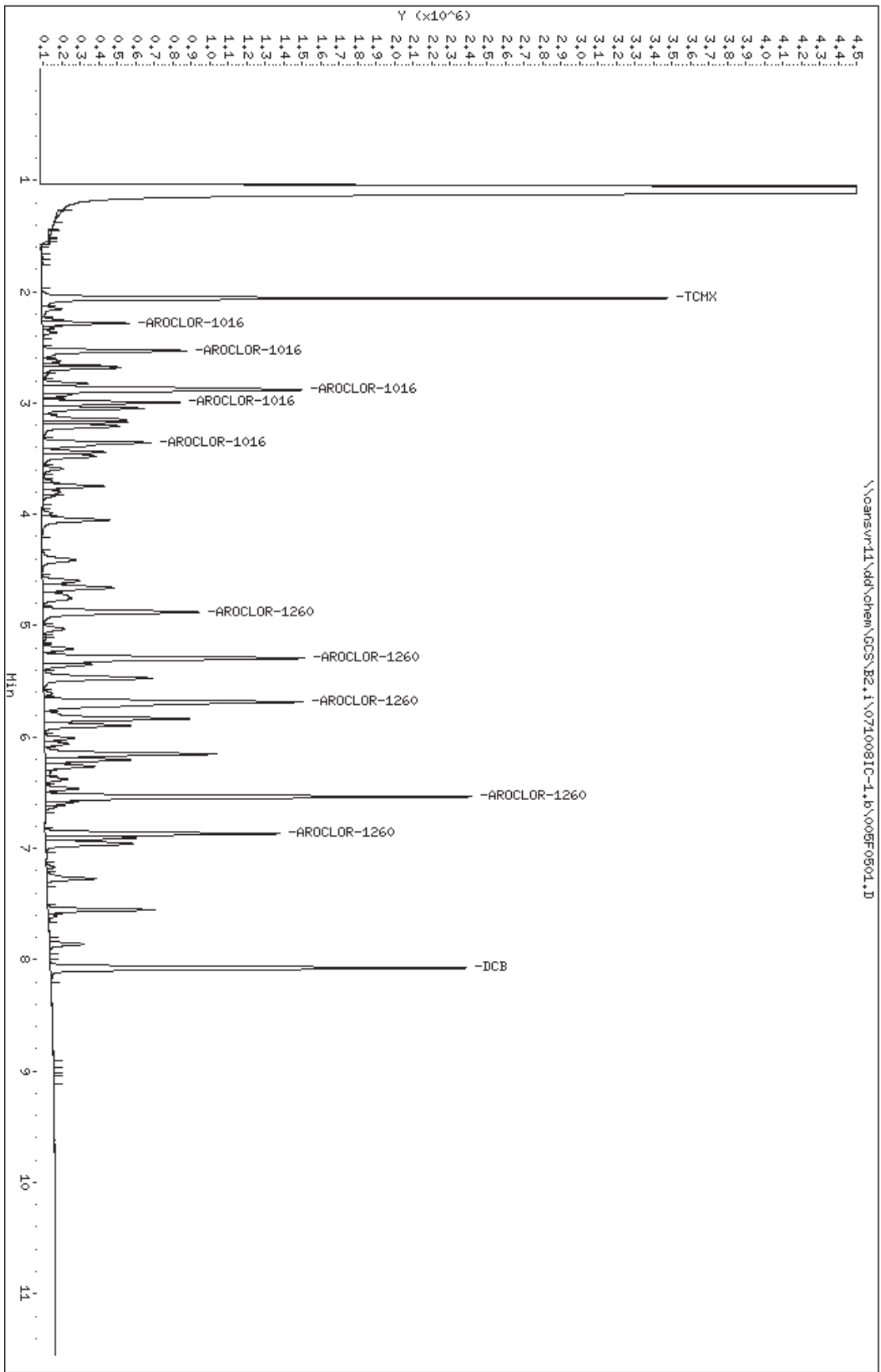
\$ 9	DCB				CAS #: 2051-24-3	
8.074	8.074	0.000	4283579	0.10000	0.1024	

QC Flag Legend

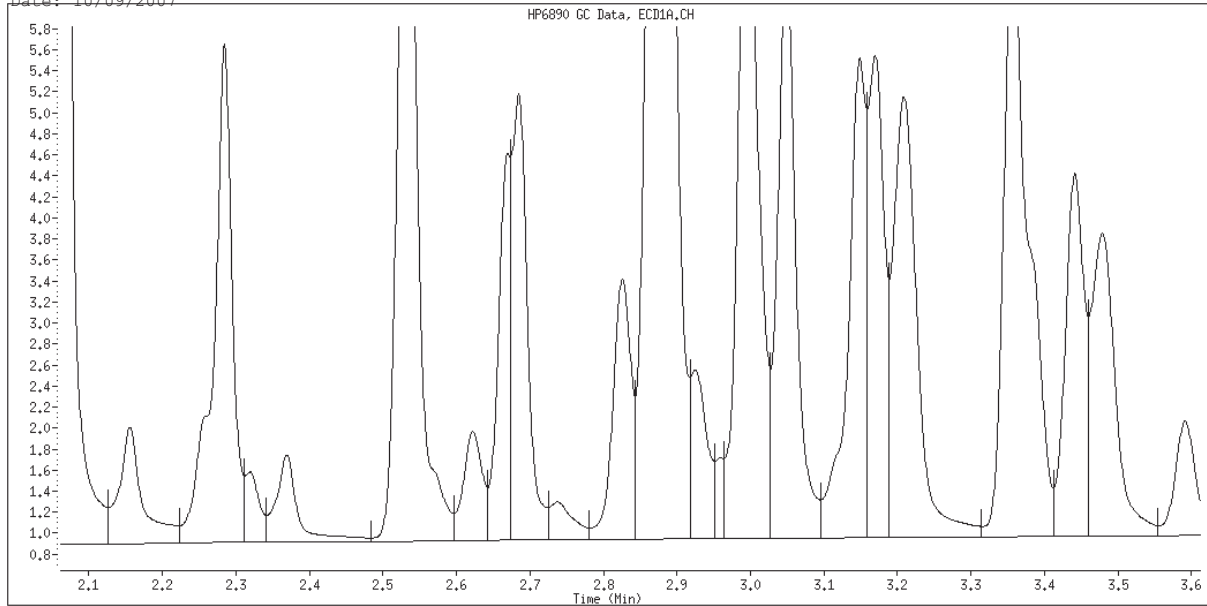
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\005F0501.D
 Date: 08-OCT-2007 13:42
 Client ID:
 Sample Info: 1660,1,4
 Column phase: restek pest c1p1

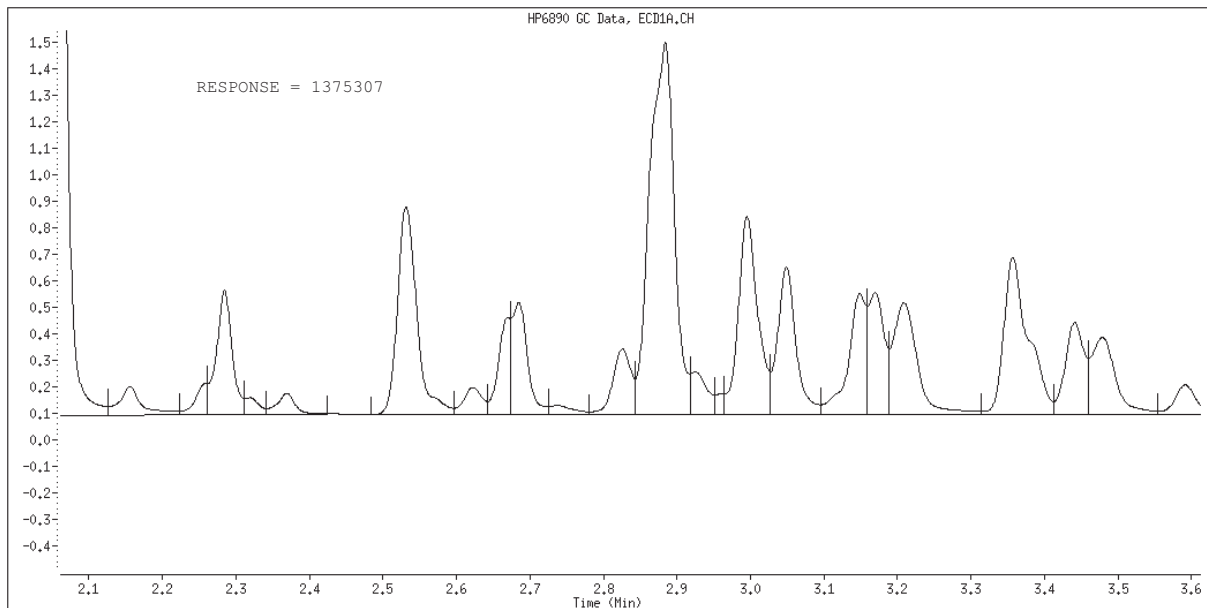
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 005F0501.D
Inj. Date and Time: 08-OCT-2007 13:42
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Report Date: 09-Oct-2007 10:06

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 13:56
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,5
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 13:56 Cal File: 006F0601.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.060	2.060	0.000	9638821	0.20000	0.2249	

3	AROCLOR-1016				CAS #: 12674-11-2	
2.283	2.283	0.000	1371211	2.00000	2.199 75.00- 125.00	100.00
2.530	2.530	0.000	2866178	2.00000	1.931 781.00-1301.66	209.03
2.883	2.883	0.000	6746029	2.00000	2.048 1771.32-2952.20	491.98
2.993	2.993	0.000	2812377	2.00000	1.995 750.46-1250.76	205.10
3.355	3.355	0.000	2781434	2.00000	1.987 745.34-1242.24	202.85
Average of Peak Amounts =			2.03200			

8	AROCLOR-1260				CAS #: 11096-82-5	
4.875	4.875	0.000	4338888	2.00000	2.036 75.00- 125.00	100.00 (M)
5.290	5.290	0.000	6969424	2.00000	2.092 118.27- 197.11	160.63
5.684	5.684	0.000	8184228	2.00000	2.152 137.75- 229.59	188.62
6.535	6.535	0.000	9044695	2.00000	2.163 152.15- 253.59	208.46
6.866	6.866	0.000	4966472	2.00000	2.078 84.51- 140.84	114.46
Average of Peak Amounts =			2.10420			

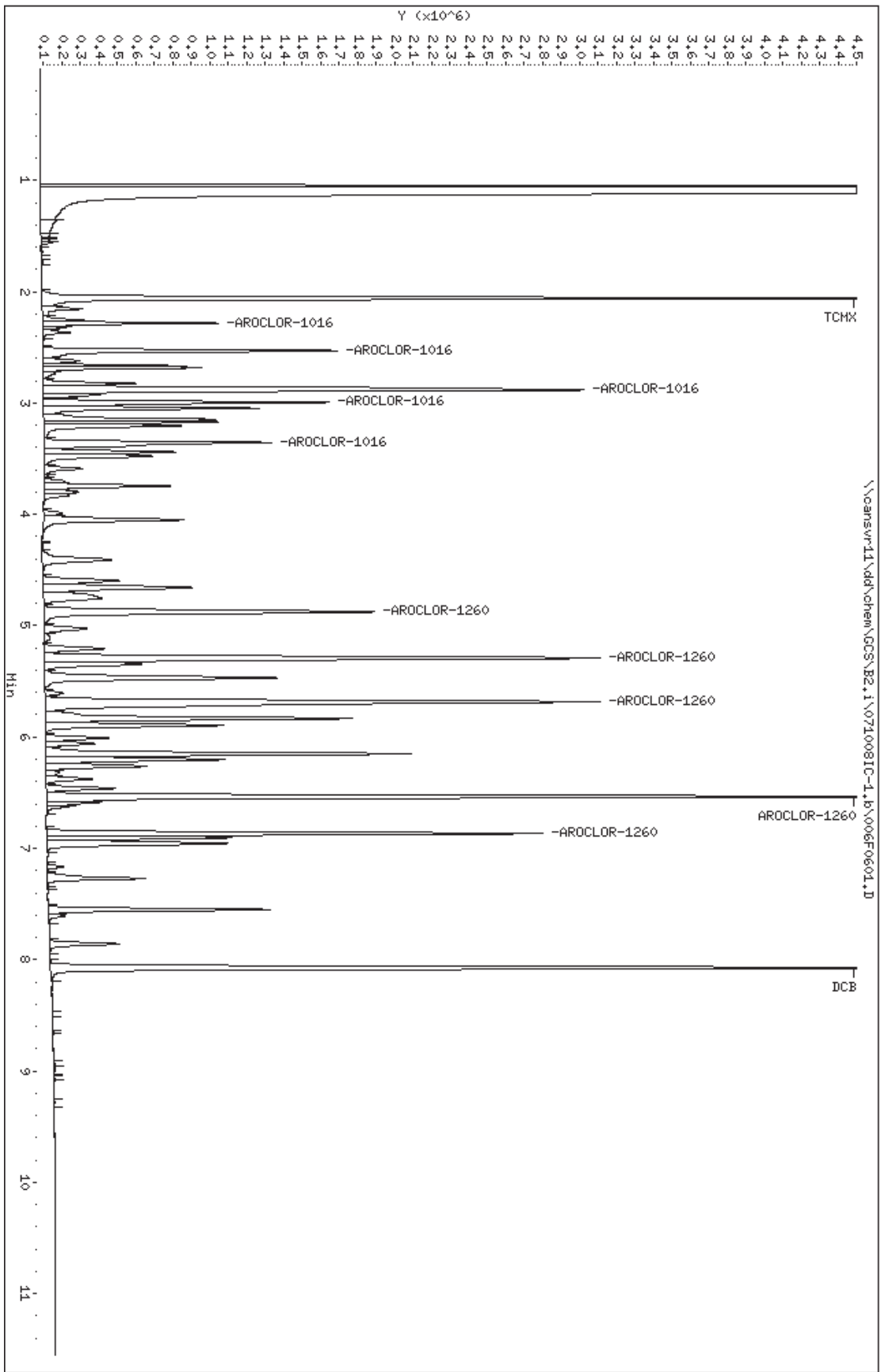
\$ 9	DCB				CAS #: 2051-24-3	
8.072	8.072	0.000	8888752	0.20000	0.2124	

QC Flag Legend

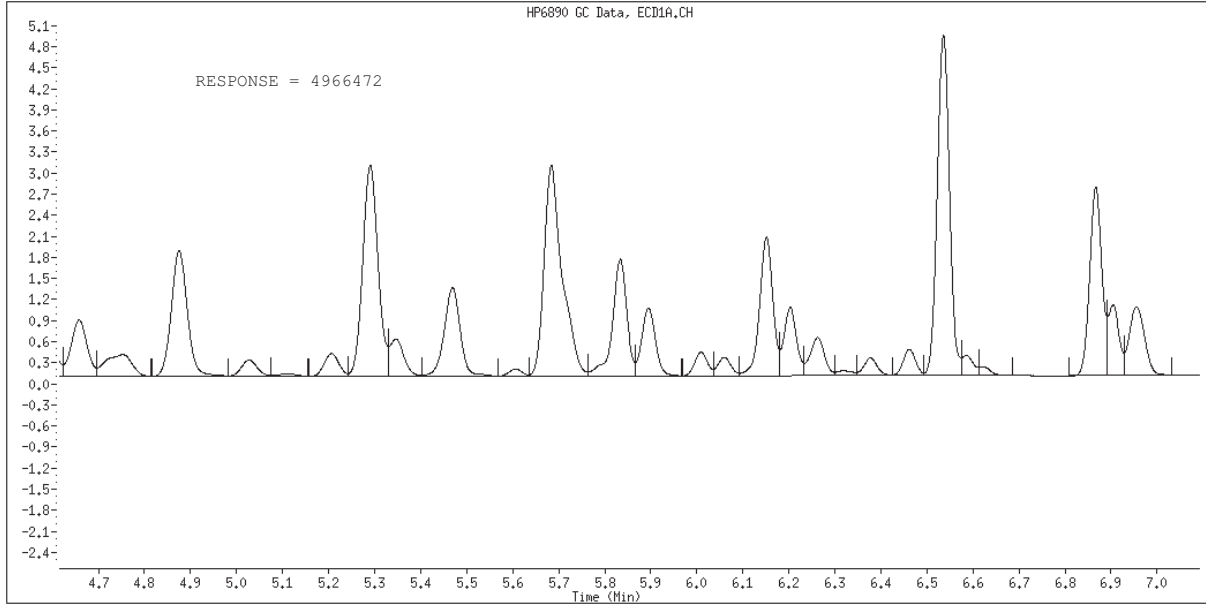
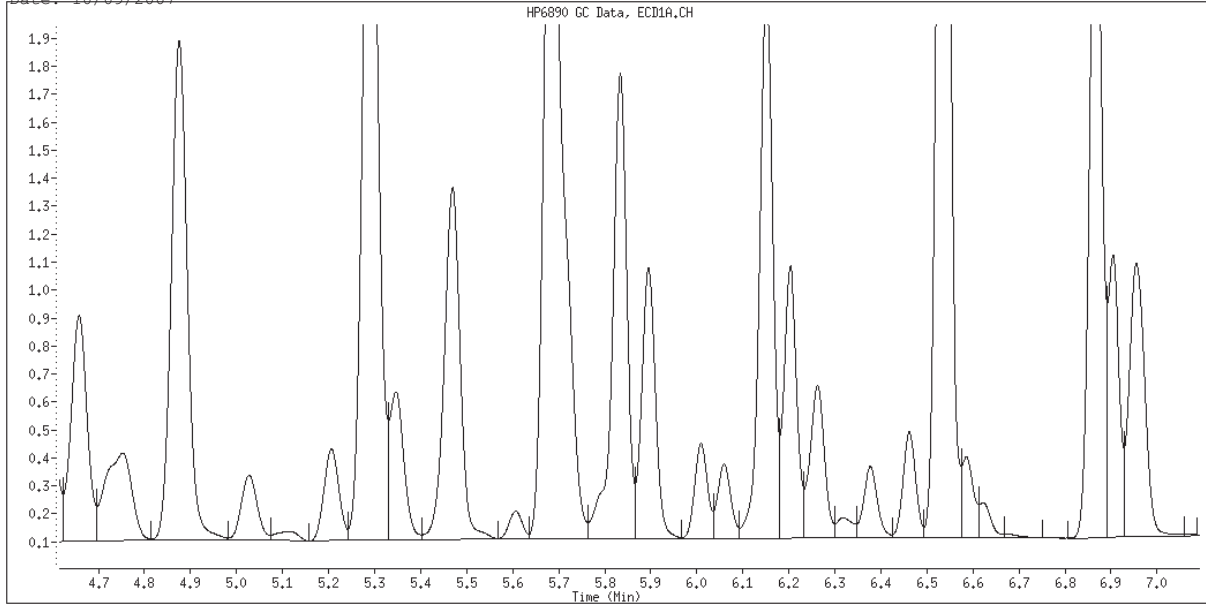
M - Compound response manually integrated.

Data File: \\canon\11\dd\chem\GCS\B2.1\0710081C-1.b\006F0601.D
 Date : 08-OCT-2007 13:56
 Client ID:
 Sample Info: 1660, 1.5
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 006F0601.D
Inj. Date and Time: 08-OCT-2007 13:56
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Report Date: 09-Oct-2007 10:07

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:10
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,1,6
 Misc Info : 12-ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:02 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng)	ON-COL (ng)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====

\$ 1	TCMX				CAS #: 877-09-8	
2.058	2.058	0.000	18284600	0.40000	0.4266	

3 AROCLOR-1016 CAS #: 12674-11-2						
2.283	2.283	0.000	2667210	4.00000	4.427 75.00- 125.00	100.00(M)
2.529	2.529	0.000	5492081	4.00000	3.700 781.00-1301.66	205.91
2.882	2.882	0.000	12967212	4.00000	3.937 1771.32-2952.20	486.17
2.993	2.993	0.000	5640947	4.00000	4.002 750.46-1250.76	211.49
3.354	3.354	0.000	5430080	4.00000	3.880 745.34-1242.24	203.59
Average of Peak Amounts =			3.98920			

8 AROCLOR-1260 CAS #: 11096-82-5						
4.873	4.873	0.000	8487775	4.00000	3.982 75.00- 125.00	100.00
5.289	5.289	0.000	13530137	4.00000	4.062 118.27- 197.11	159.41
5.682	5.682	0.000	16312729	4.00000	4.289 137.75- 229.59	192.19
6.533	6.533	0.000	17538030	4.00000	4.194 152.15- 253.59	206.63
6.865	6.865	0.000	9852194	4.00000	4.123 84.51- 140.84	116.08
Average of Peak Amounts =			4.13000			

\$ 9 DCB CAS #: 2051-24-3						
8.072	8.072	0.000	17336627	0.40000	0.4143	

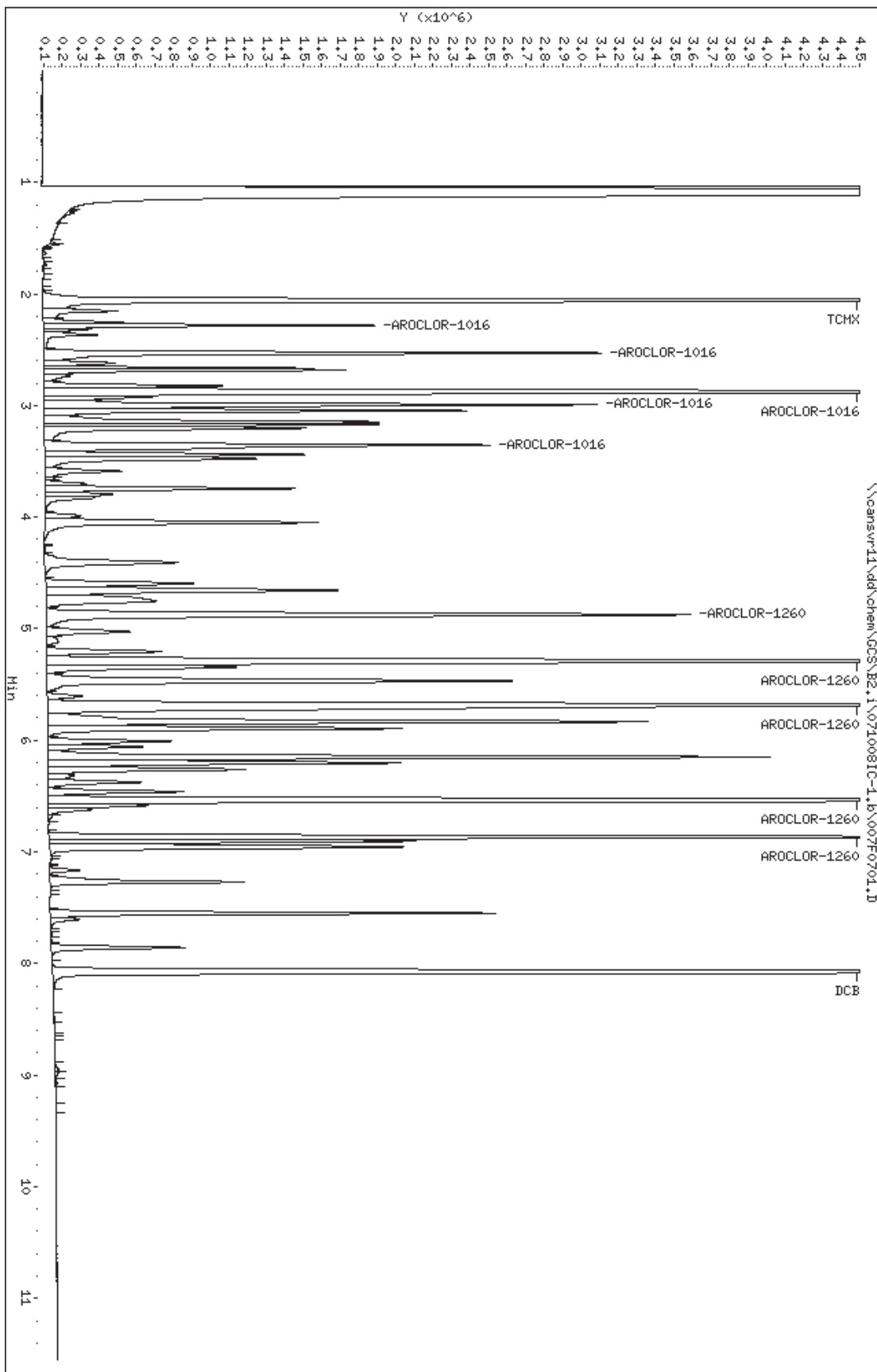
QC Flag Legend

M - Compound response manually integrated.

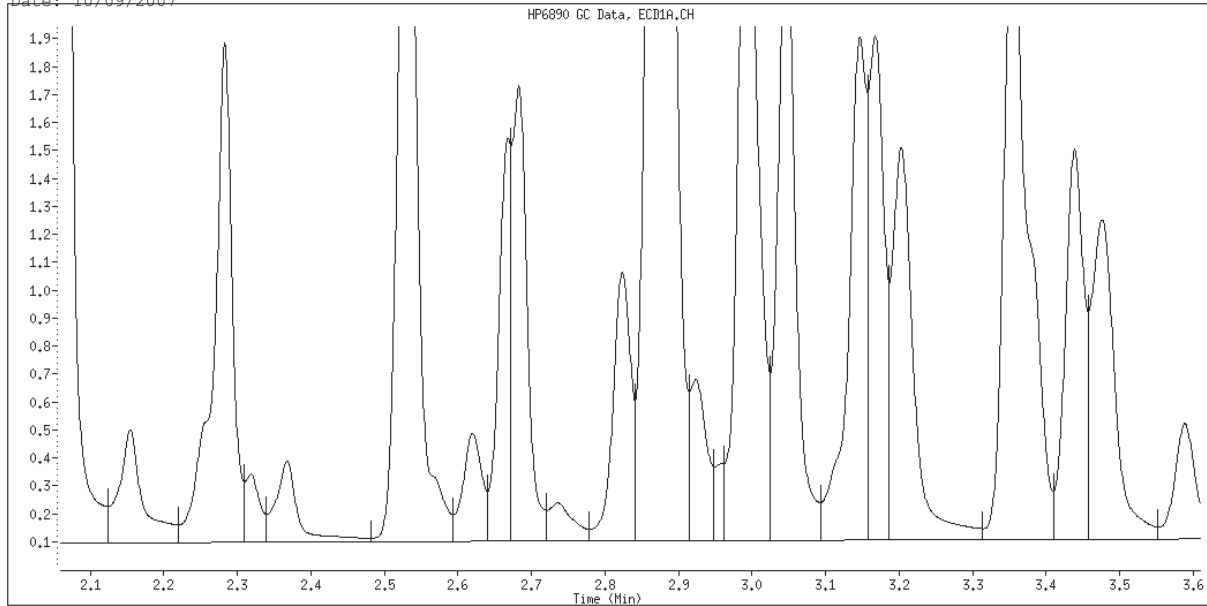
Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\007F0701.D
Date : 08-OCT-2007 14:10
Client ID:
Sample Info: 1660,1,6

Column phase: restek pest c1p1

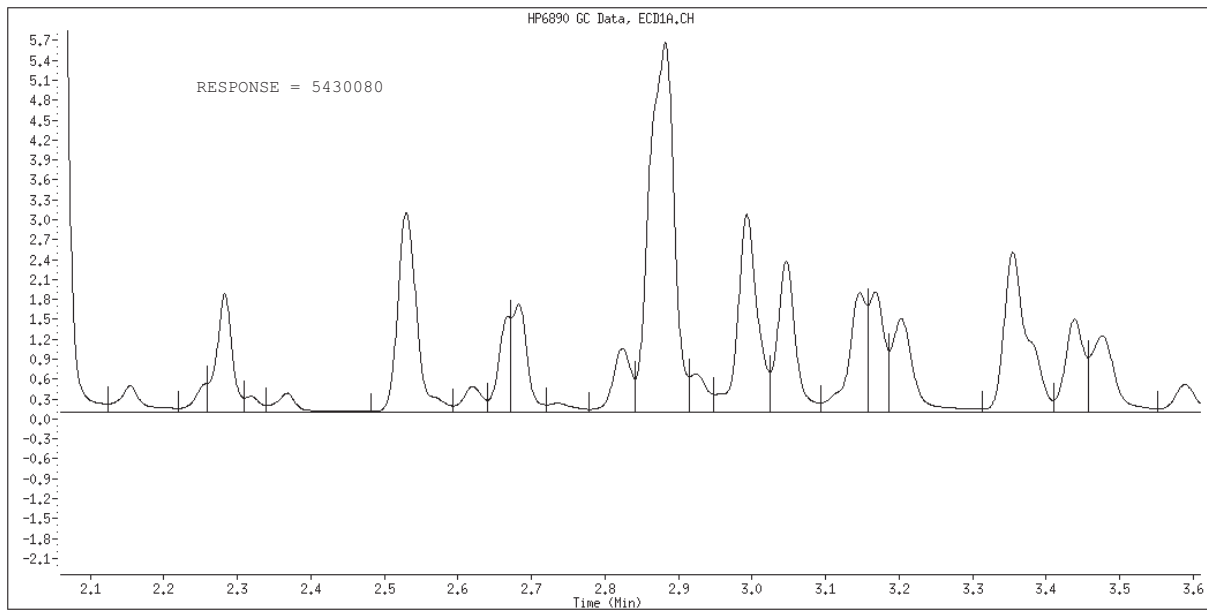
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 007F0701.D
Inj. Date and Time: 08-OCT-2007 14:10
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 08-OCT-2007 14:24
 Lab File ID: 008F0801.D Init. Cal. Date(s): 08-OCT-2007 08-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 14:10
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
3 AROCLOR-1016 (1)	602510	699456	0.010	-16.09039	15.00000		Averaged|<-
(2)	1484366	1533979	0.010	-3.34236	15.00000		Averaged|
(3)	3293976	3492185	0.010	-6.01731	15.00000		Averaged|
(4)	1409531	1479752	0.010	-4.98185	15.00000		Averaged|
(5)	1399558	1463925	0.010	-4.59912	15.00000		Averaged|
8 AROCLOR-1260 (1)	2131421	2278382	0.010	-6.89495	15.00000		Averaged|
(2)	3330972	3577062	0.010	-7.38793	15.00000		Averaged|
(3)	3803154	4013170	0.010	-5.52216	15.00000		Averaged|
(4)	4181121	4573023	0.010	-9.37313	15.00000		Averaged|
(5)	2389695	2549412	0.010	-6.68357	15.00000		Averaged|

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Report Date: 09-Oct-2007 10:27

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\008F0801.D
 Lab Smp Id: 1660
 Inj Date : 08-OCT-2007 14:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 6-ar1660.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:25 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 14:10 Cal File: 007F0701.D
 Als bottle: 8 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 6-ar1660.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	
3 AROCLOR-1016			CAS #: 12674-11-2					
2.282	2.282	0.000	699456 1.00000	1.161	80.00- 120.00	100.00	(M)	
2.529	2.529	0.000	1533979 1.00000	1.033	164.48- 274.14	219.31		
2.881	2.881	0.000	3492185 1.00000	1.060	374.45- 624.09	499.27		
2.992	2.992	0.000	1479752 1.00000	1.050	158.67- 264.45	211.56		
3.354	3.354	0.000	1463925 1.00000	1.046	156.97- 261.62	209.29		
Average of Peak Amounts =			1.07000					

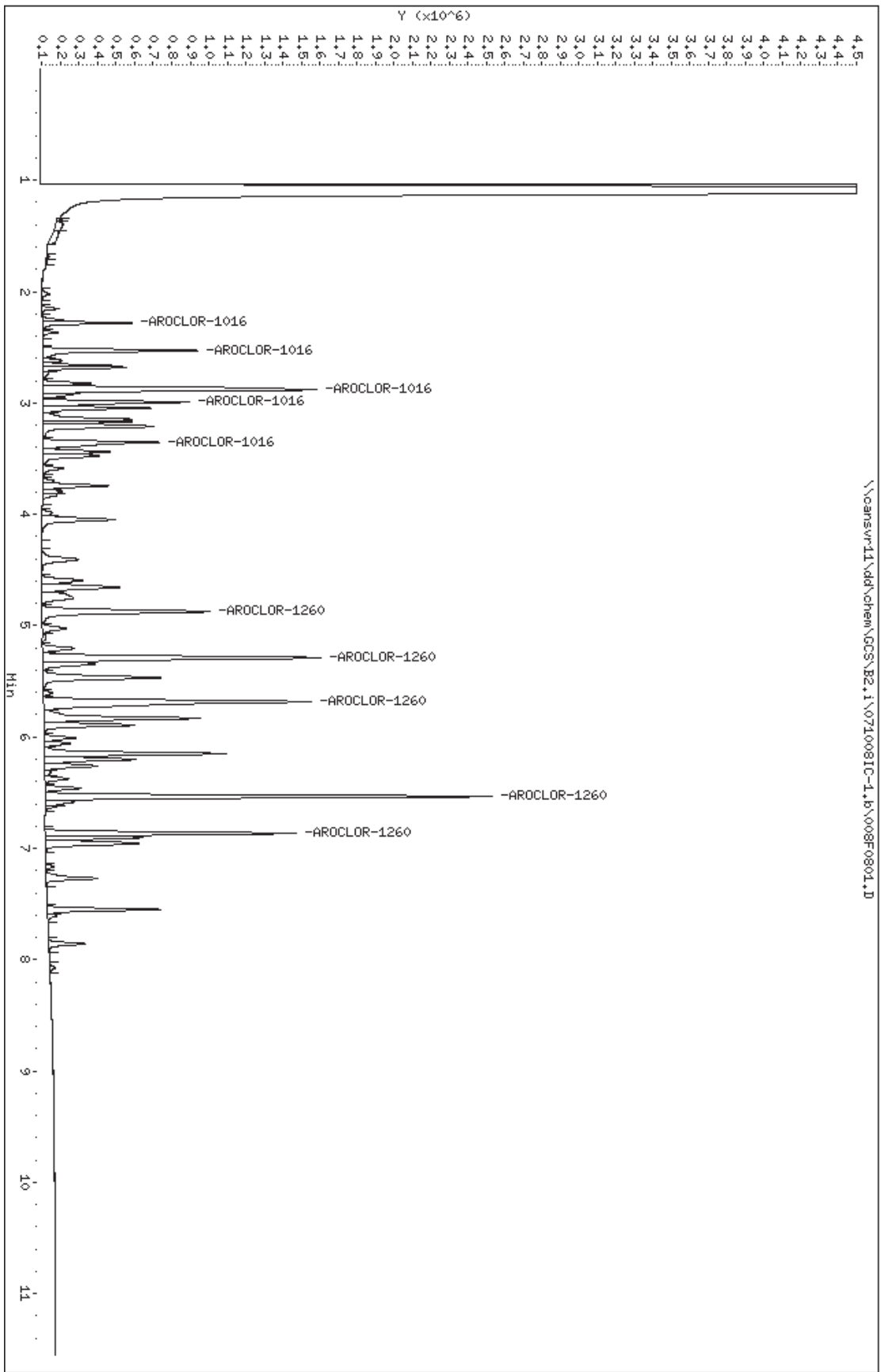
8 AROCLOR-1260			CAS #: 11096-82-5					
4.873	4.873	0.000	2278382 1.00000	1.069	80.00- 120.00	100.00		
5.289	5.289	0.000	3577062 1.00000	1.074	117.75- 196.25	157.00		
5.683	5.683	0.000	4013170 1.00000	1.055	132.11- 220.18	176.14		
6.534	6.534	0.000	4573023 1.00000	1.094	150.54- 250.89	200.71		
6.864	6.864	0.000	2549412 1.00000	1.067	83.92- 139.87	111.90		
Average of Peak Amounts =			1.07180					

QC Flag Legend

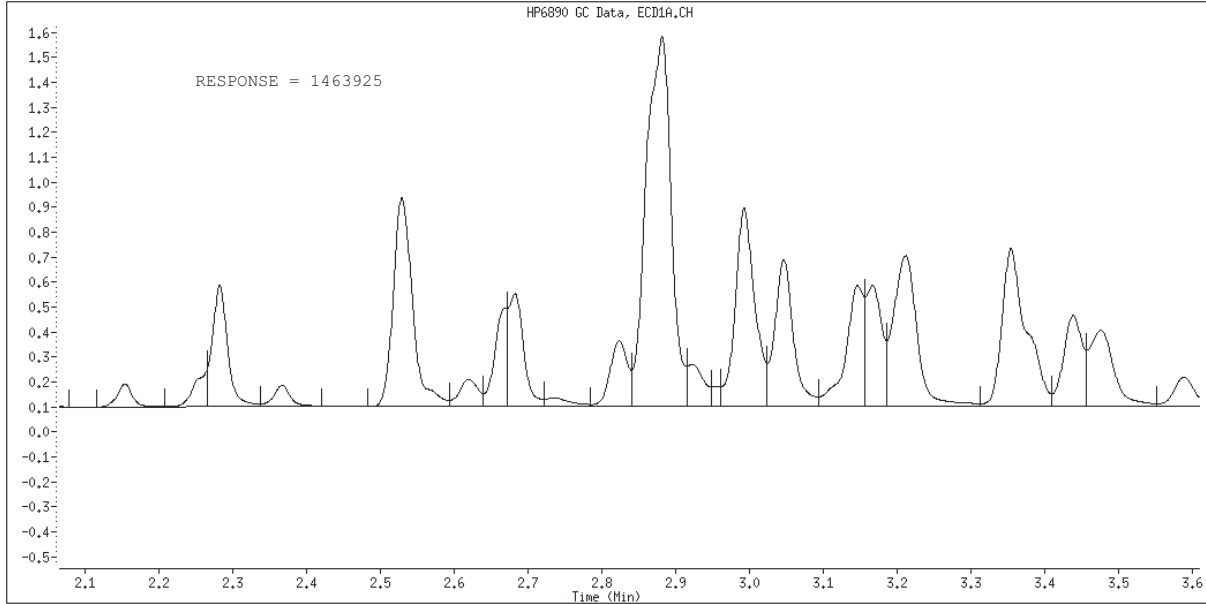
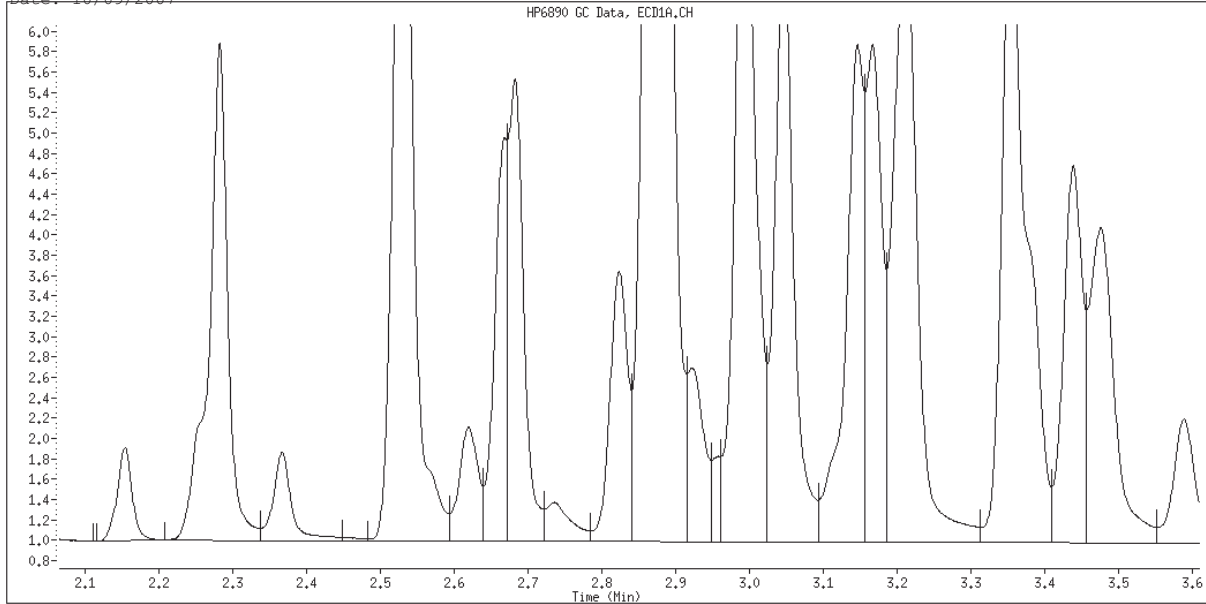
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.1\008F0801.D
 Date: 08-OCT-2007 14:24
 Client ID:
 Sample Info: 1660,2
 Column phase: restek pest c1p1

Instrument: B2.1
 Operator: 402338
 Column diameter: 0.53



Data File Name: 008F0801.D
Inj. Date and Time: 08-OCT-2007 14:24
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Report Date: 09-Oct-2007 10:31

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 14:38
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,1
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
Cal Date : 08-OCT-2007 14:38 Cal File: 009F0901.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

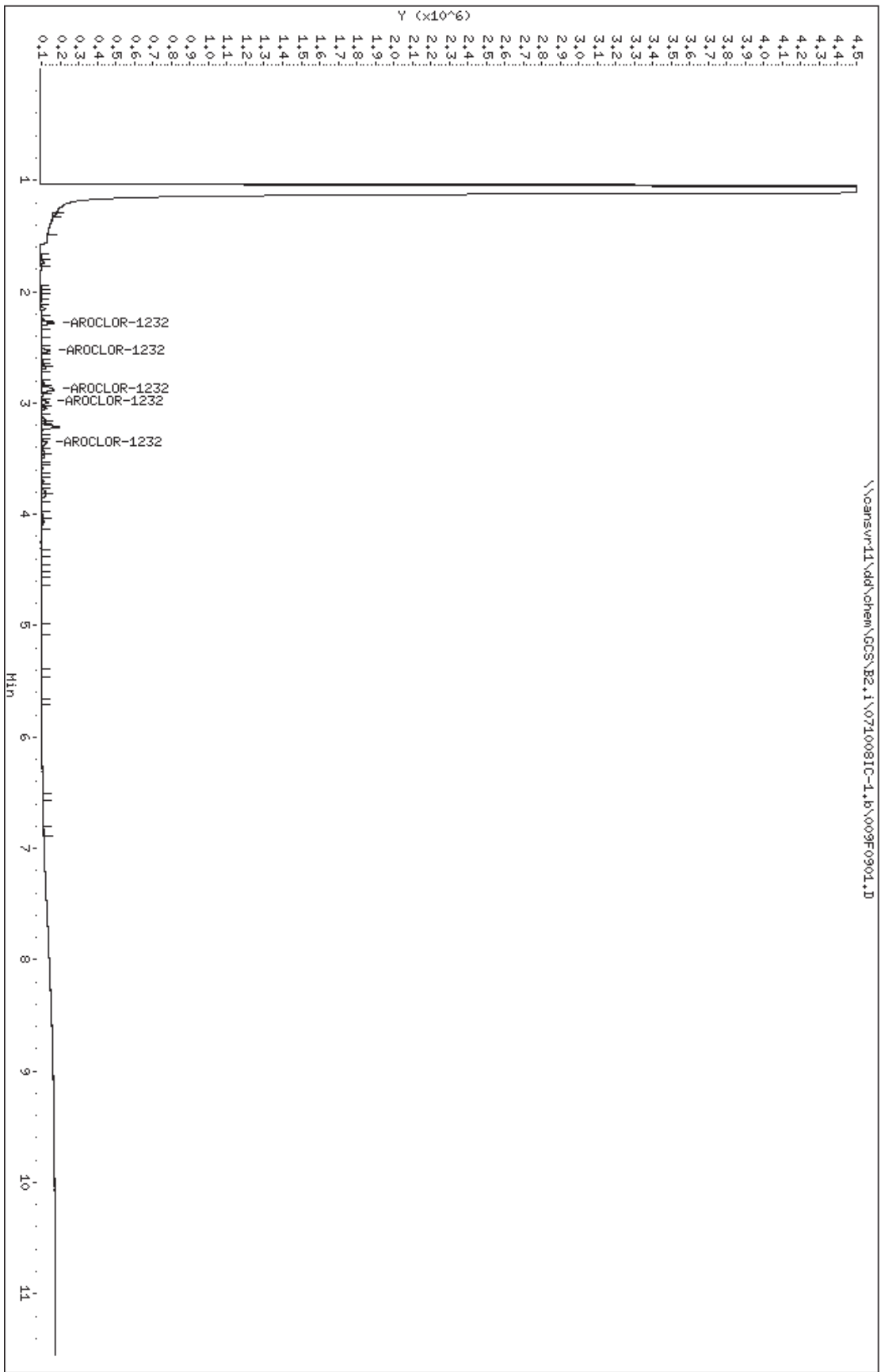
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	109389	0.10000	0.1000	0.00- 0.00	100.00	(M)
2.529	2.529	0.000	75291	0.10000	0.1000	0.00- 0.00	68.83	
2.882	2.882	0.000	160724	0.10000	0.1000	0.00- 0.00	146.93	
2.993	2.993	0.000	64083	0.10000	0.1000	0.00- 0.00	58.58	
3.354	3.354	0.000	63015	0.10000	0.1000	0.00- 0.00	57.61	
Average of Peak Amounts =			0.10000					

QC Flag Legend

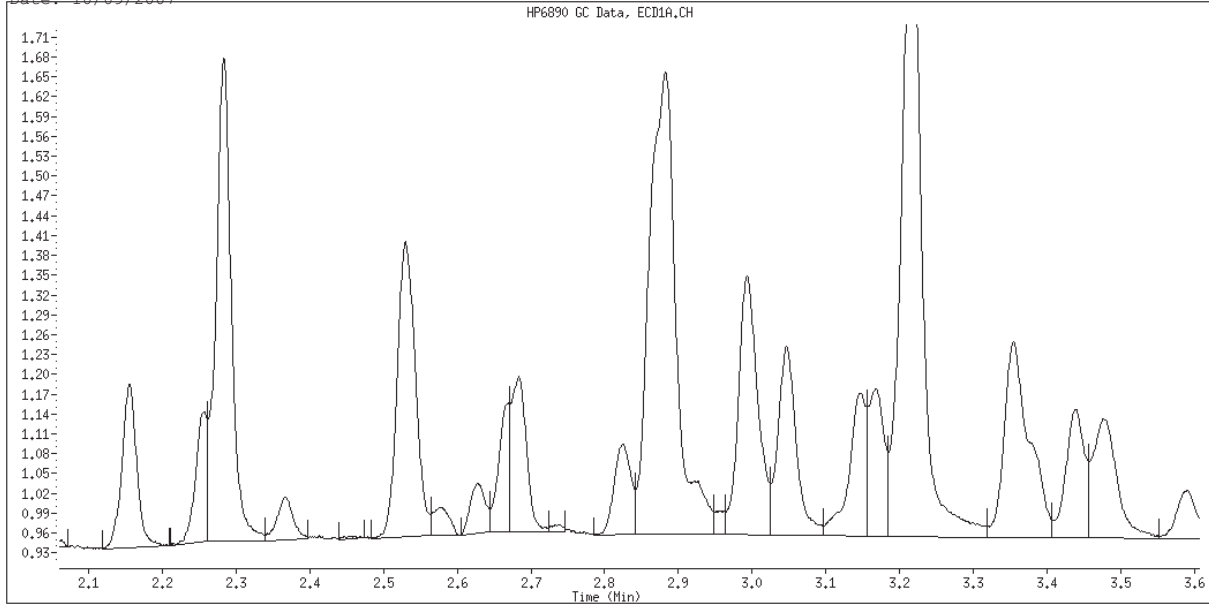
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\009F0901.D
Date : 08-OCT-2007 14:38
Client ID:
Sample Info: 1232,1,1
Column phase: restek pest c1p1

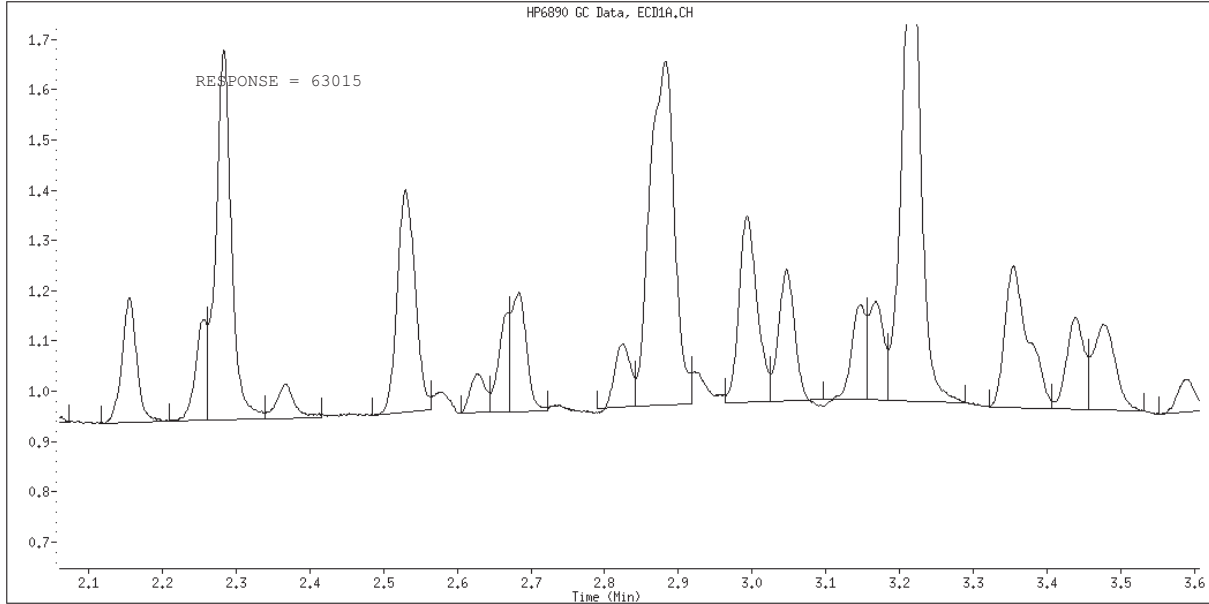
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 009F0901.D
Inj. Date and Time: 08-OCT-2007 14:38
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
Report Date: 09-Oct-2007 10:48

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 14:53
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,2
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 14:53 Cal File: 010F1001.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

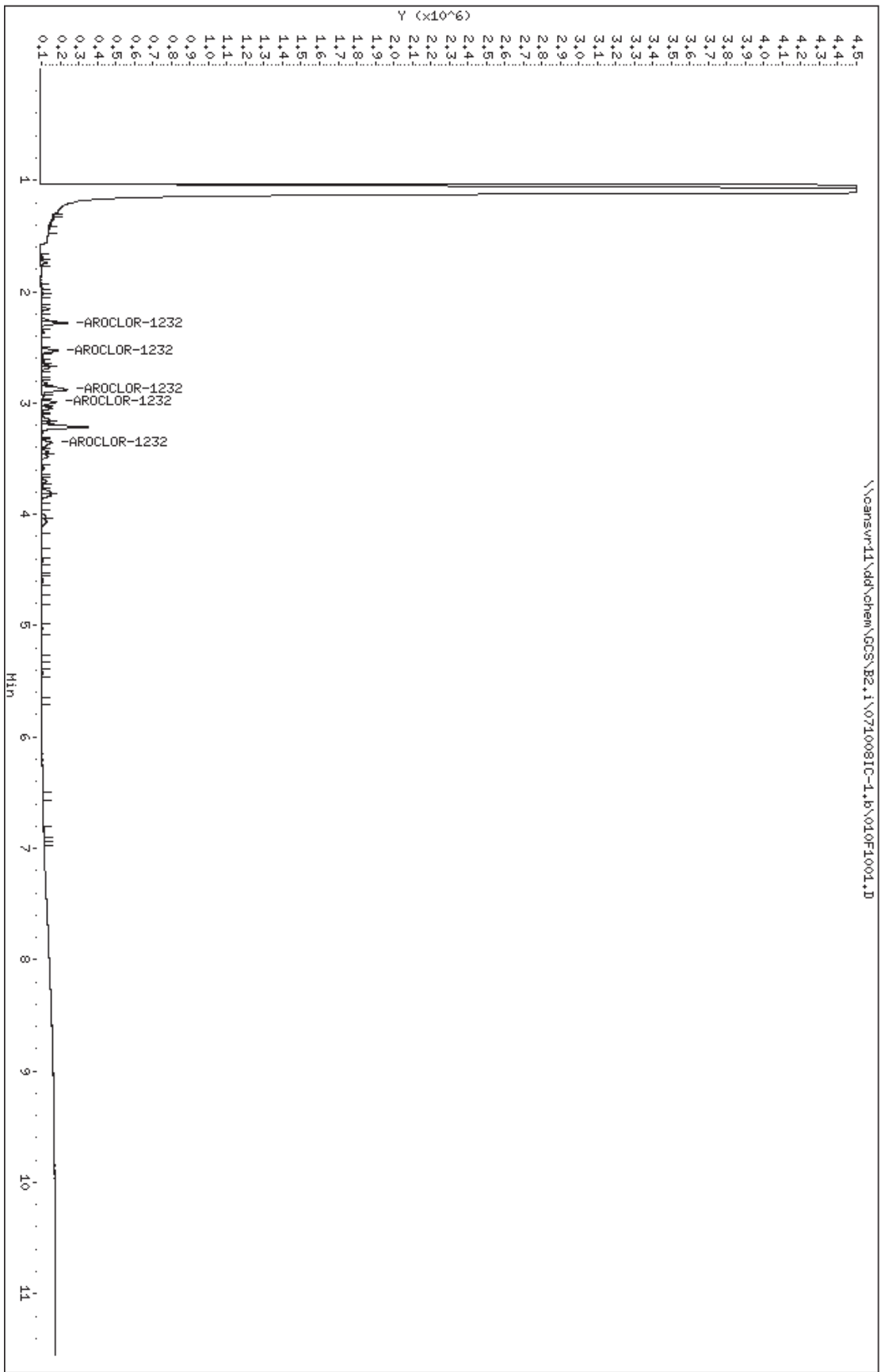
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	213858	0.20000	0.1990	75.00- 125.00	100.00 (M)	
2.530	2.530	0.000	154506	0.20000	0.2008	53.54- 89.24	72.25	
2.882	2.882	0.000	343668	0.20000	0.1964	122.82- 204.70	160.70	
2.993	2.993	0.000	141108	0.20000	0.1901	52.74- 87.89	65.98	
3.355	3.355	0.000	130845	0.20000	0.1898	49.01- 81.68	61.18	
Average of Peak Amounts =					0.19522			

QC Flag Legend

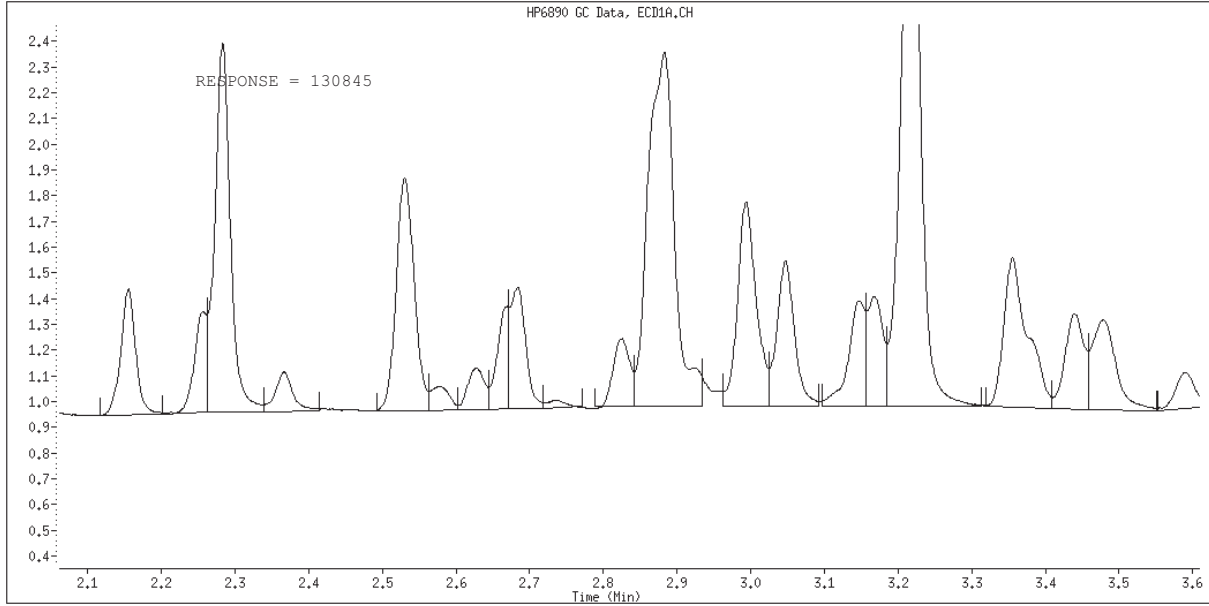
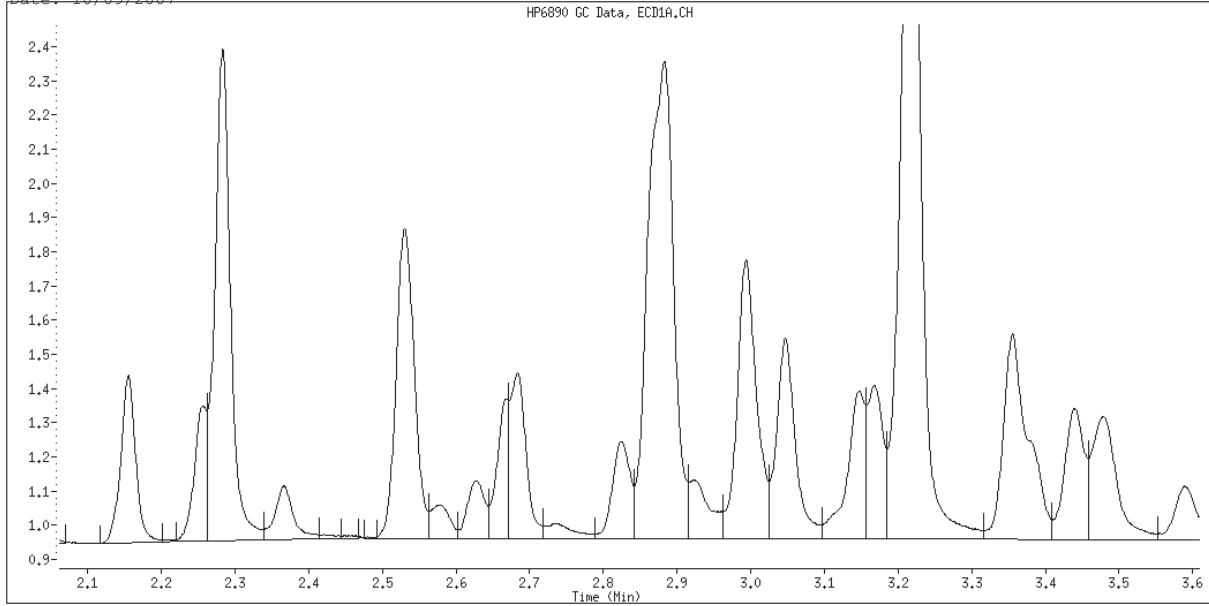
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\010F1001.D
Date : 08-OCT-2007 14:53
Client ID:
Sample Info: 1232,1,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 010F1001.D
Inj. Date and Time: 08-OCT-2007 14:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1232
CAS #: 11141-16-5
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
 Report Date: 09-Oct-2007 10:43

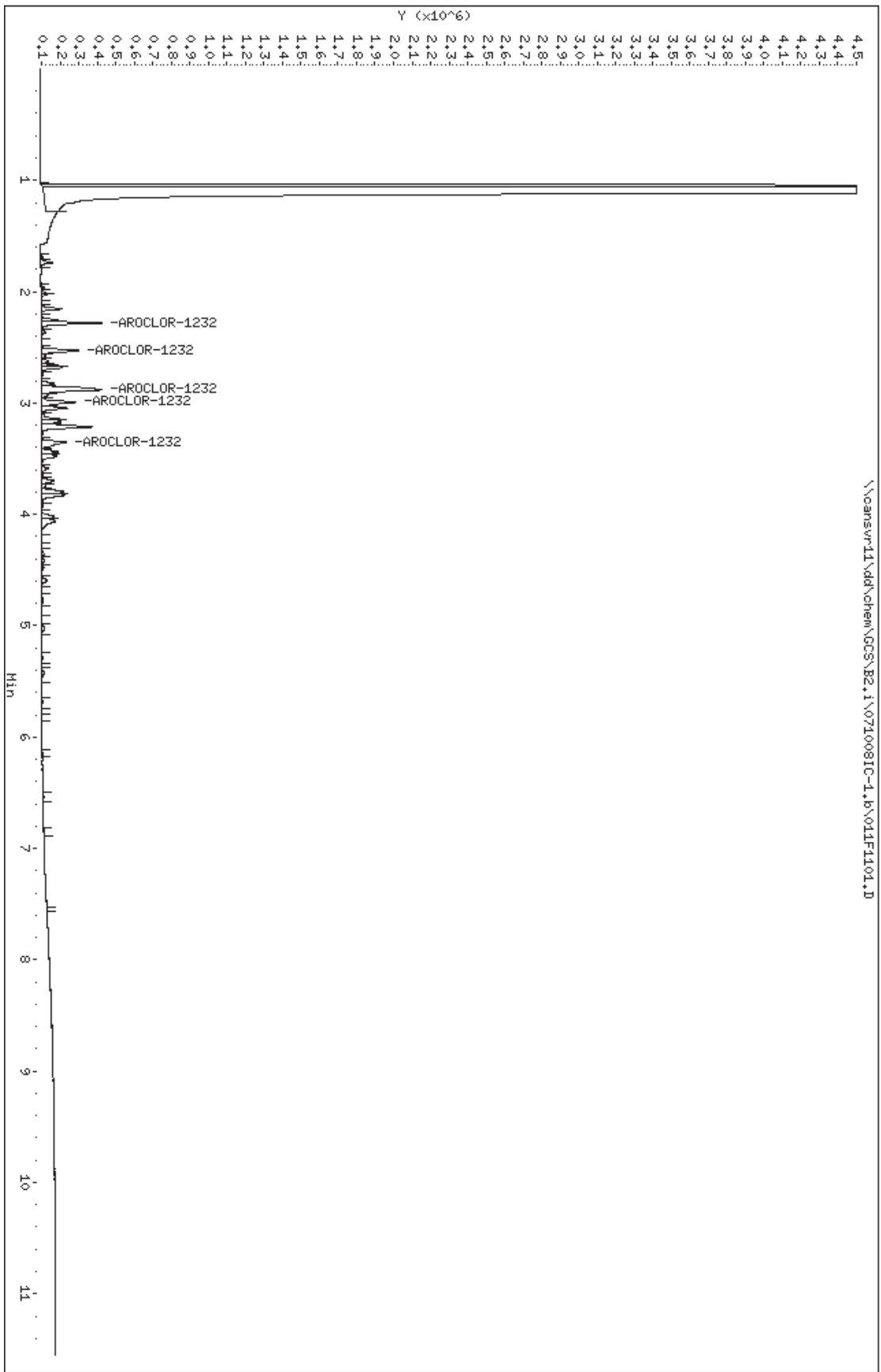
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
 Lab Smp Id: 1232
 Inj Date : 08-OCT-2007 15:07
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1232,,1,3
 Misc Info : 1-ar1232.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:43 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 15:07 Cal File: 011F1101.D
 Als bottle: 11 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-ar1232.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	489501	0.50000	0.4674	0.00- 0.00	100.00	
2.528	2.528	0.000	353191	0.50000	0.4748	0.00- 0.00	72.15	
2.881	2.881	0.000	775473	0.50000	0.4865	0.00- 0.00	158.42	
2.992	2.992	0.000	354055	0.50000	0.5405	0.00- 0.00	72.33	
3.354	3.354	0.000	324135	0.50000	0.5180	0.00- 0.00	66.22	
Average of Peak Amounts =					0.49744			

Data File: \\cansvr11\dd\chem\CCS\B2.1\0710081C-1.b\011F1101.D
Date : 08-OCT-2007 15:07
Client ID:
Sample Info: 1232,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
 Report Date: 09-Oct-2007 10:44

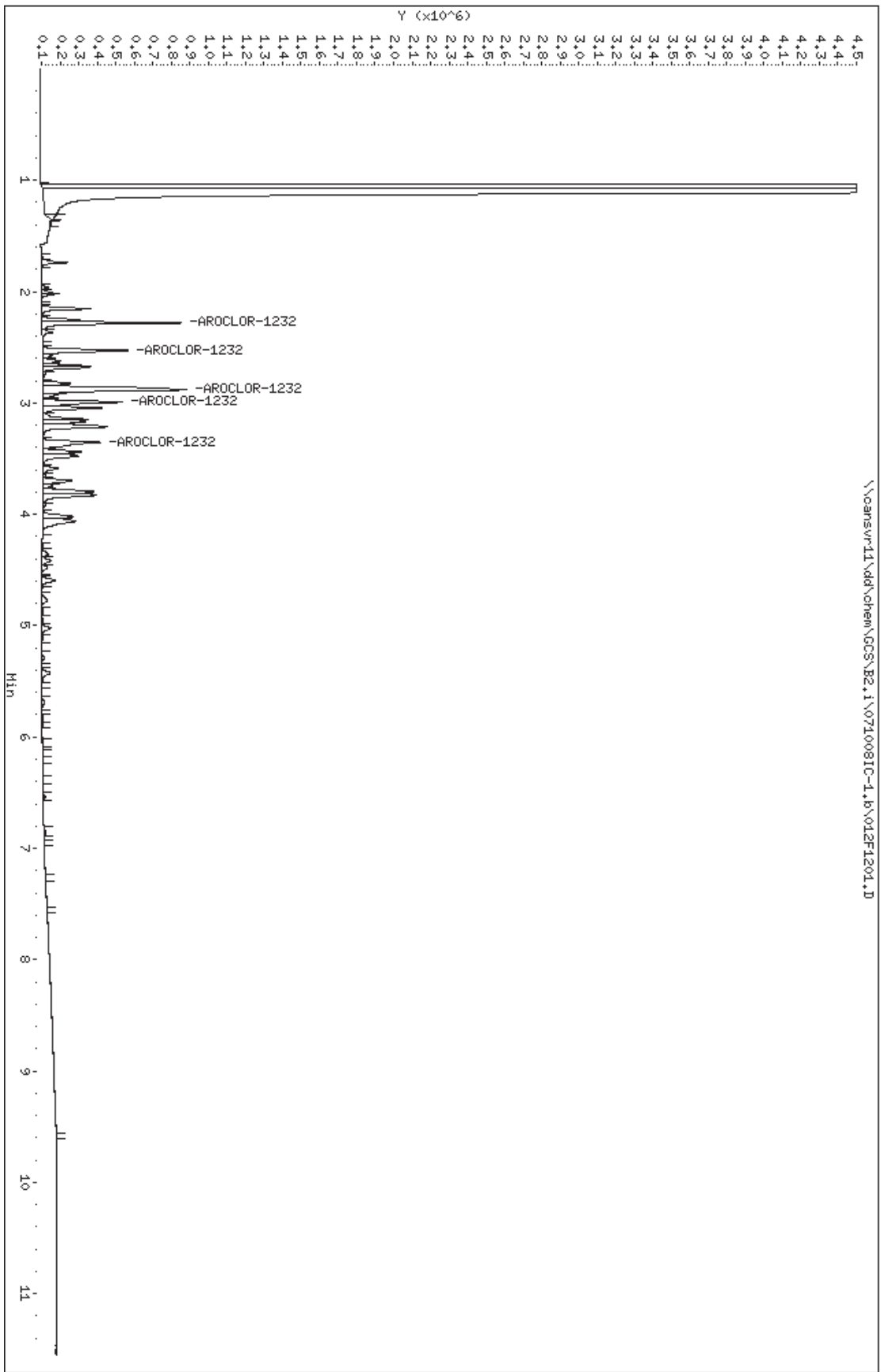
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
 Lab Smp Id: 1232
 Inj Date : 08-OCT-2007 15:21
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1232,,1,4
 Misc Info : 1-ar1232.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 15:21 Cal File: 012F1201.D
 Als bottle: 12 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-ar1232.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	1116628	1.00000	1.049	80.00- 120.00	100.00	
2.529	2.529	0.000	797164	1.00000	1.053	53.54- 89.24	71.39	
2.881	2.881	0.000	1828584	1.00000	1.106	122.82- 204.70	163.76	
2.992	2.992	0.000	785161	1.00000	1.142	52.74- 87.89	70.32	
3.354	3.354	0.000	729674	1.00000	1.120	49.01- 81.68	65.35	
Average of Peak Amounts =				1.09400				

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.b\012F1201.D
Date : 08-OCT-2007 15:21
Client ID:
Sample Info: 1232,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Report Date: 09-Oct-2007 10:44

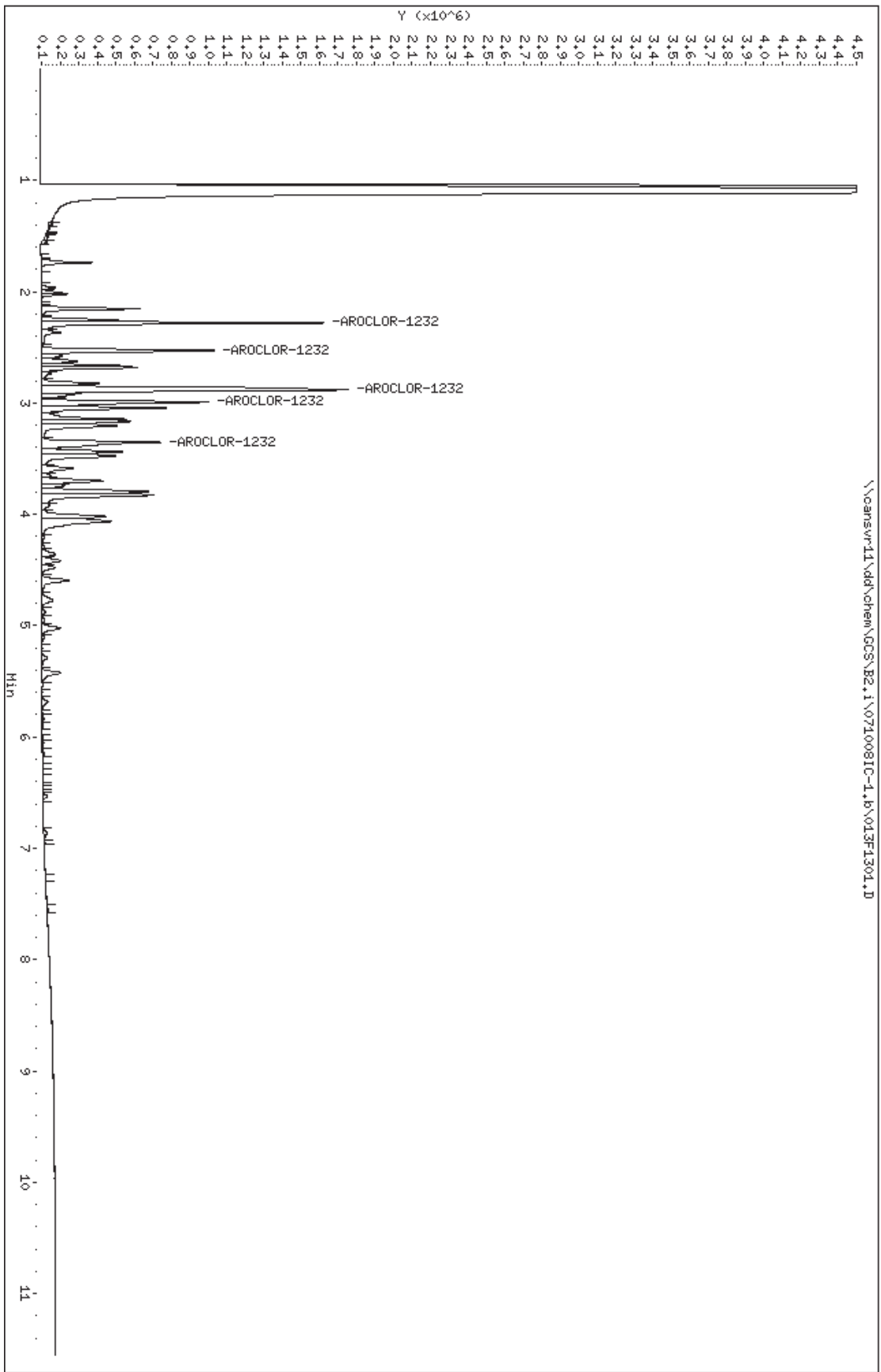
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:35
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,5
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:35 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.281	2.281	0.000	2239019	2.00000	2.082	75.00- 125.00	100.00	
2.529	2.529	0.000	1633971	2.00000	2.124	53.54- 89.24	72.98	
2.881	2.881	0.000	3825116	2.00000	2.244	122.82- 204.70	170.84	
2.991	2.991	0.000	1618769	2.00000	2.274	52.74- 87.89	72.30	
3.353	3.353	0.000	1503568	2.00000	2.238	49.01- 81.68	67.15	
Average of Peak Amounts =				2.19240				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\013F1301.D
Date : 08-OCT-2007 15:35
Client ID:
Sample Info: 1232,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Report Date: 09-Oct-2007 10:44

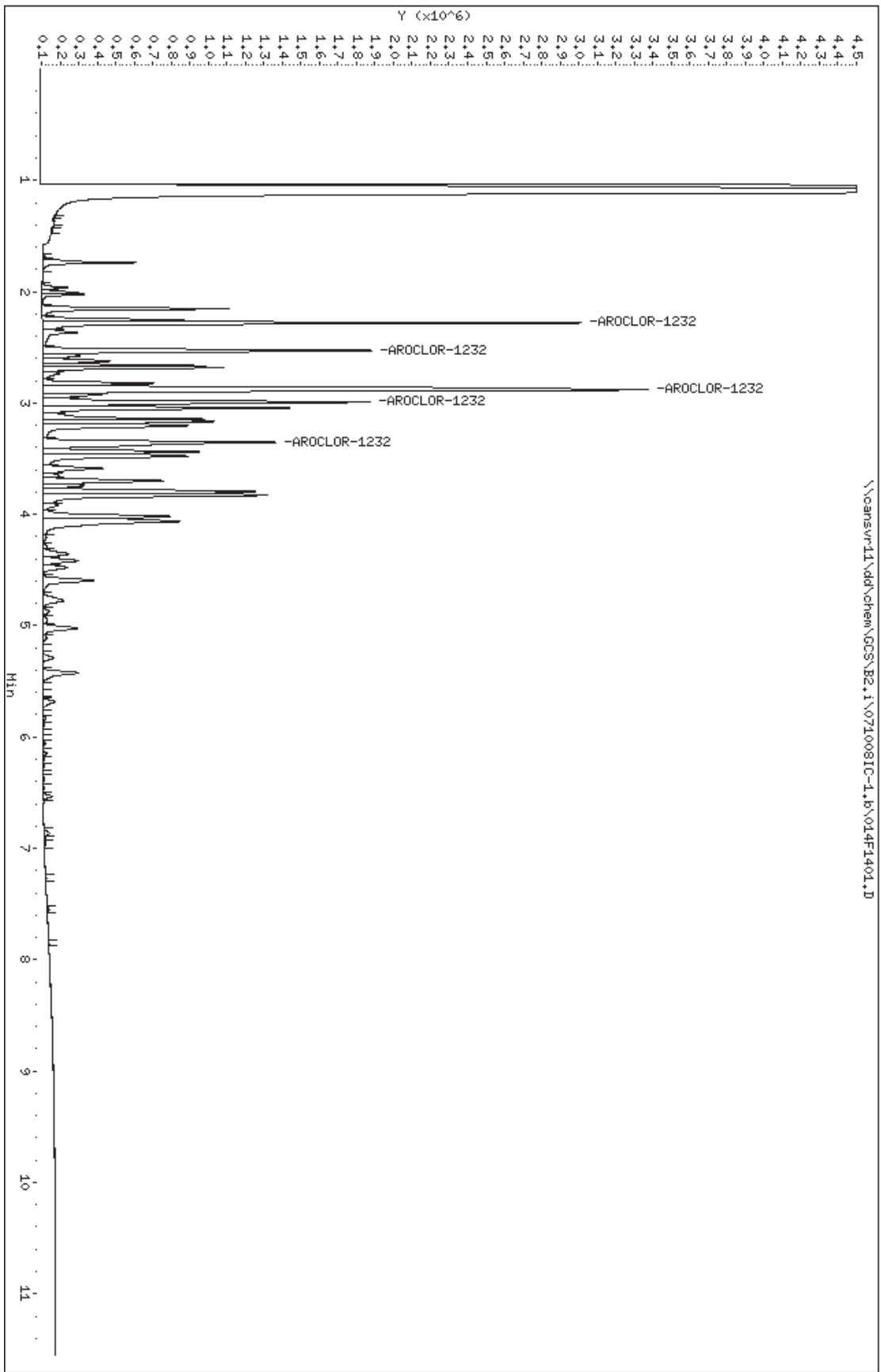
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
Lab Smp Id: 1232
Inj Date : 08-OCT-2007 15:49
Operator : 402338 Inst ID: B2.i
Smp Info : 1232,,1,6
Misc Info : 1-ar1232.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:44 target Quant Type: ESTD
Cal Date : 08-OCT-2007 15:49 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ar1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
4 AROCLOR-1232			CAS #: 11141-16-5					
2.282	2.282	0.000	4271672	4.00000	3.976	75.00-	125.00	100.00
2.528	2.528	0.000	3082296	4.00000	4.006	53.54-	89.24	72.16
2.881	2.881	0.000	7515880	4.00000	4.335	122.82-	204.70	175.95
2.992	2.992	0.000	3218576	4.00000	4.425	52.74-	87.89	75.35
3.353	3.353	0.000	2892062	4.00000	4.251	49.01-	81.68	67.70
Average of Peak Amounts =				4.19860				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\014F1401.D
Date : 08-OCT-2007 15:49
Client ID:
Sample Info: 1232,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 17:29
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,1
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
Cal Date : 08-OCT-2007 17:29 Cal File: 021F2101.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

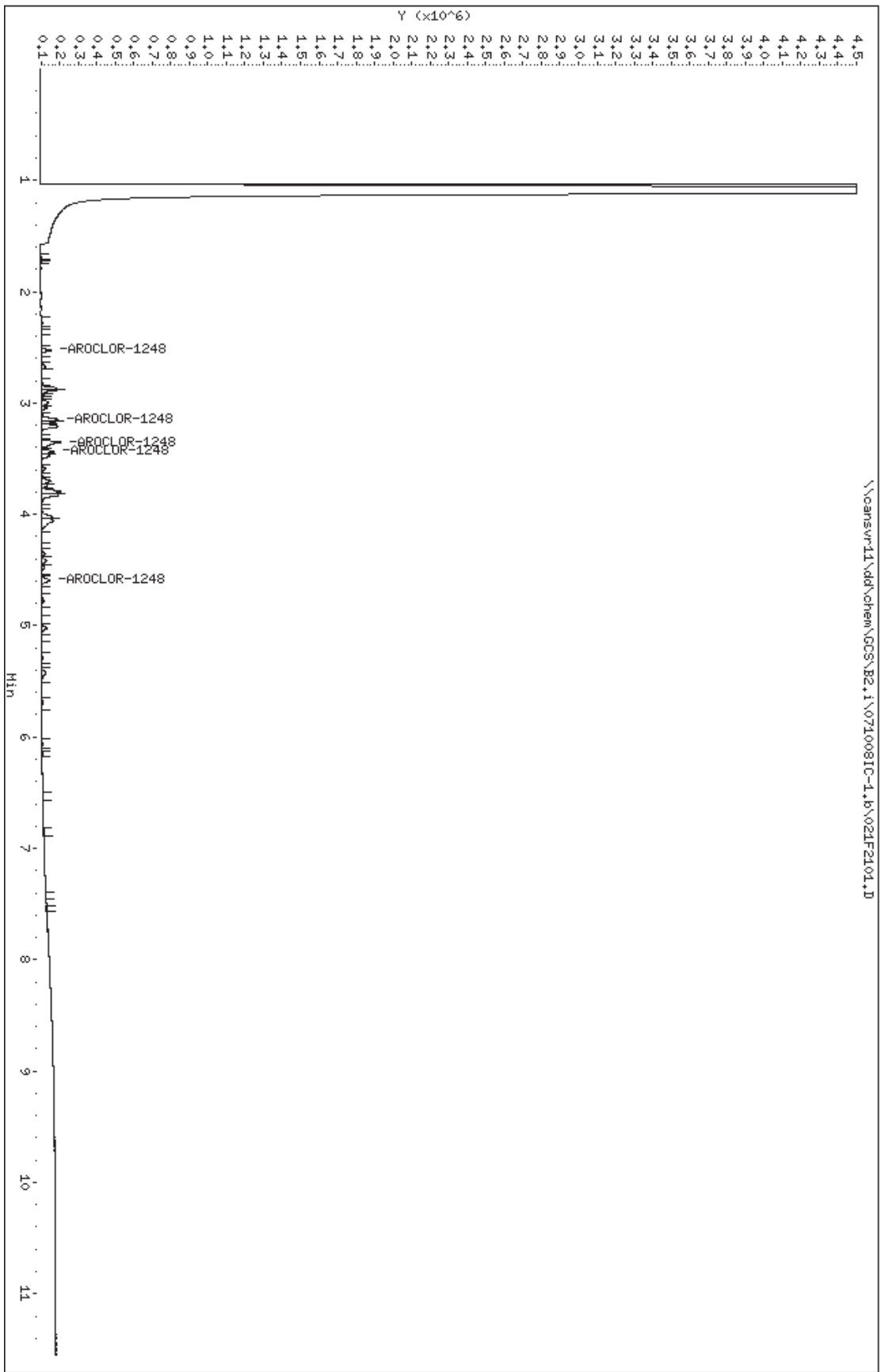
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	82463	0.10000	0.1000	0.00- 0.00	100.00(M)	
3.145	3.145	0.000	138758	0.10000	0.1000	0.00- 0.00	168.27	
3.353	3.353	0.000	224501	0.10000	0.1000	0.00- 0.00	272.24	
3.437	3.437	0.000	118821	0.10000	0.1000	0.00- 0.00	144.09	
4.593	4.593	0.000	108716	0.10000	0.1000	0.00- 0.00	131.84	
Average of Peak Amounts =			0.10000					

QC Flag Legend

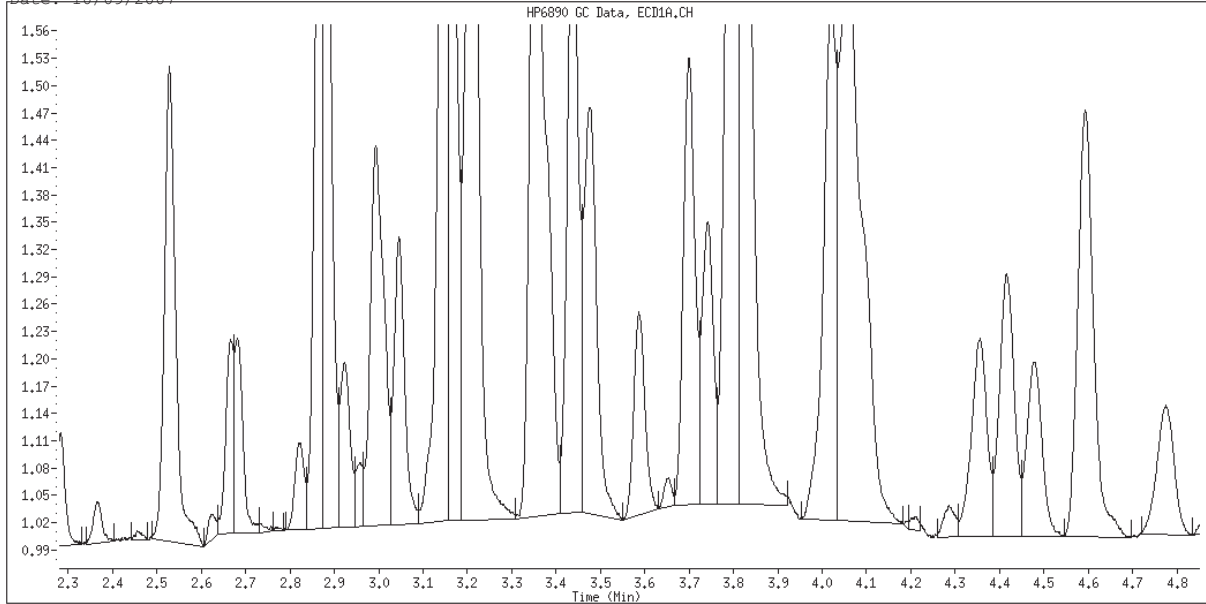
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\021F2101.D
Date : 08-OCT-2007 17:29
Client ID:
Sample Info: 1248,1,1
Column phase: restek pest c1p1

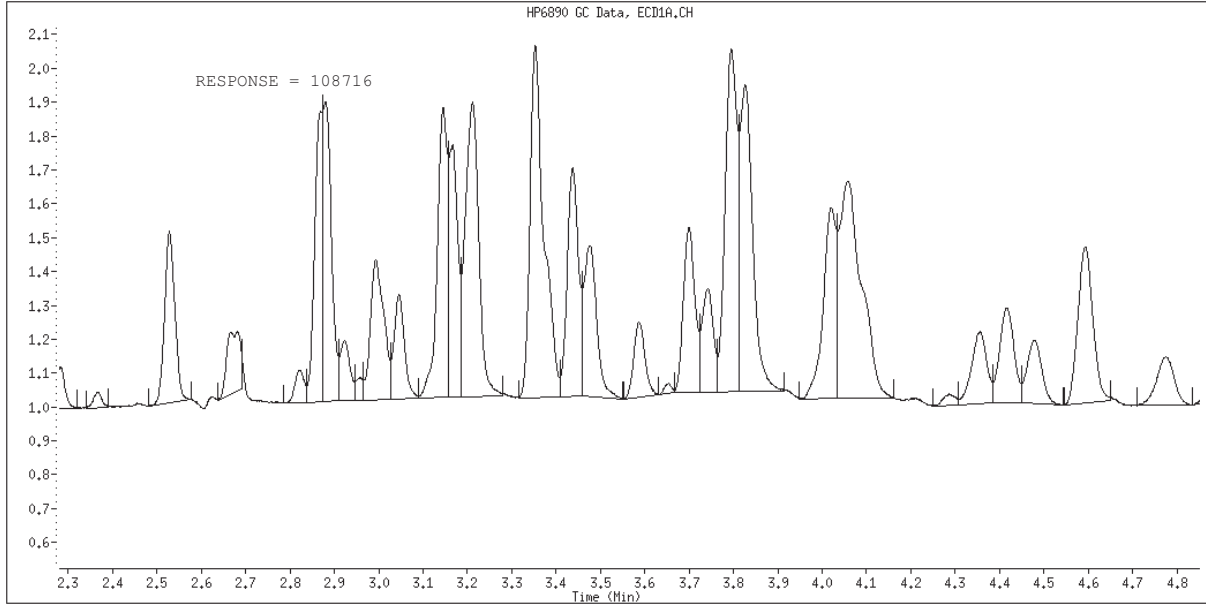
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 021F2101.D
Inj. Date and Time: 08-OCT-2007 17:29
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
 Report Date: 09-Oct-2007 10:45

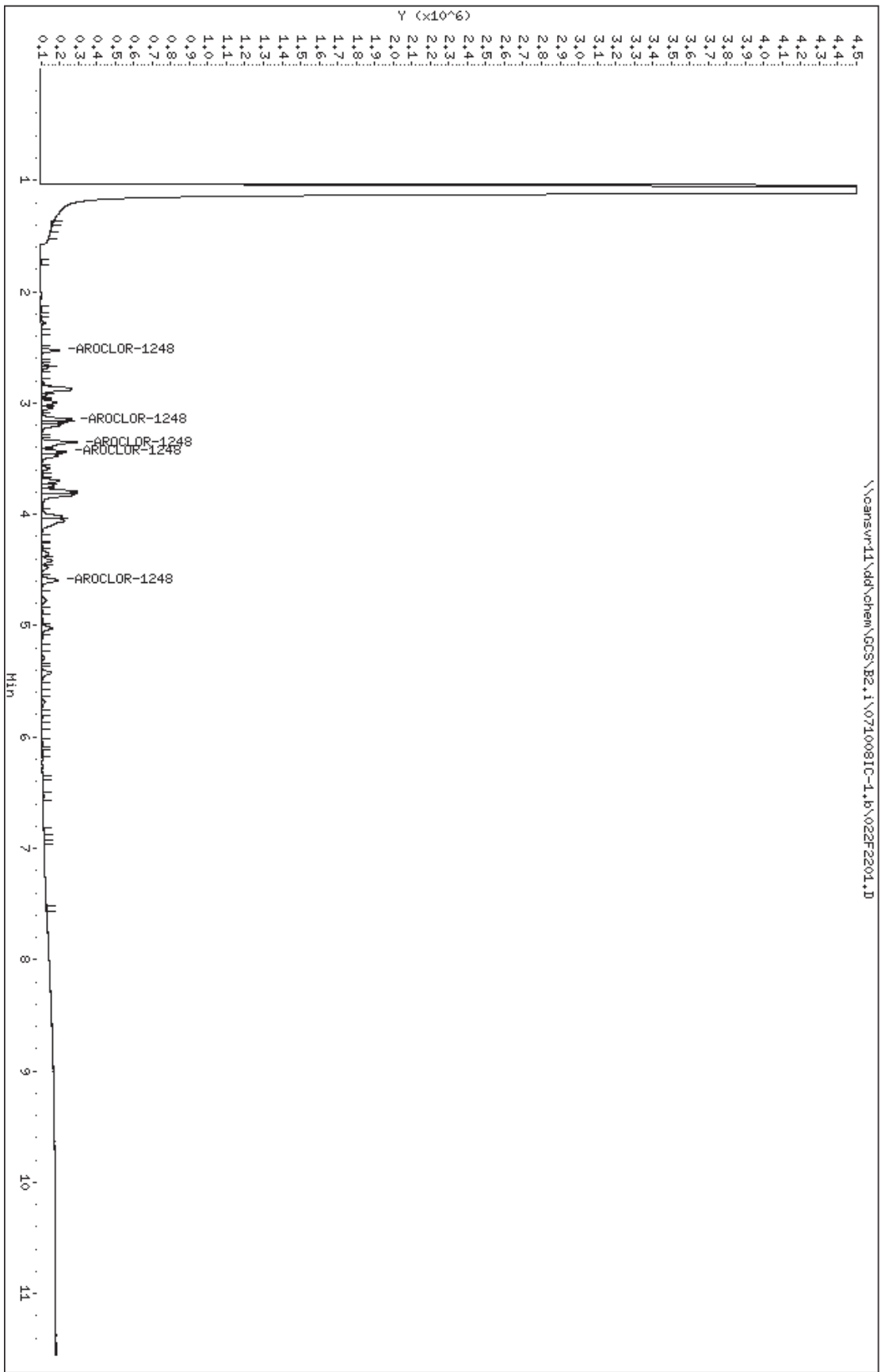
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
 Lab Smp Id: 1248
 Inj Date : 08-OCT-2007 17:43
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1248,,1,2
 Misc Info : 3-ar1248.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:45 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 17:43 Cal File: 022F2201.D
 Als bottle: 22 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-ar1248.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248					CAS #: 12672-29-6				
2.528	2.528	0.000	166104	0.20000	0.2007	0.00-	0.00	100.00	
3.145	3.145	0.000	266656	0.20000	0.1960	0.00-	0.00	160.54	
3.353	3.353	0.000	433137	0.20000	0.1964	0.00-	0.00	260.76	
3.437	3.437	0.000	232271	0.20000	0.1977	0.00-	0.00	139.83	
4.593	4.593	0.000	228558	0.20000	0.2050	0.00-	0.00	137.60	
Average of Peak Amounts =					0.19916				

Data File: \\canonvr11\dd\chem\GCS\B2.1\0710081C-1.b\02EF2201.D
Date : 08-OCT-2007 17:43
Client ID:
Sample Info: 1248, 1, 2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
 Report Date: 09-Oct-2007 10:46

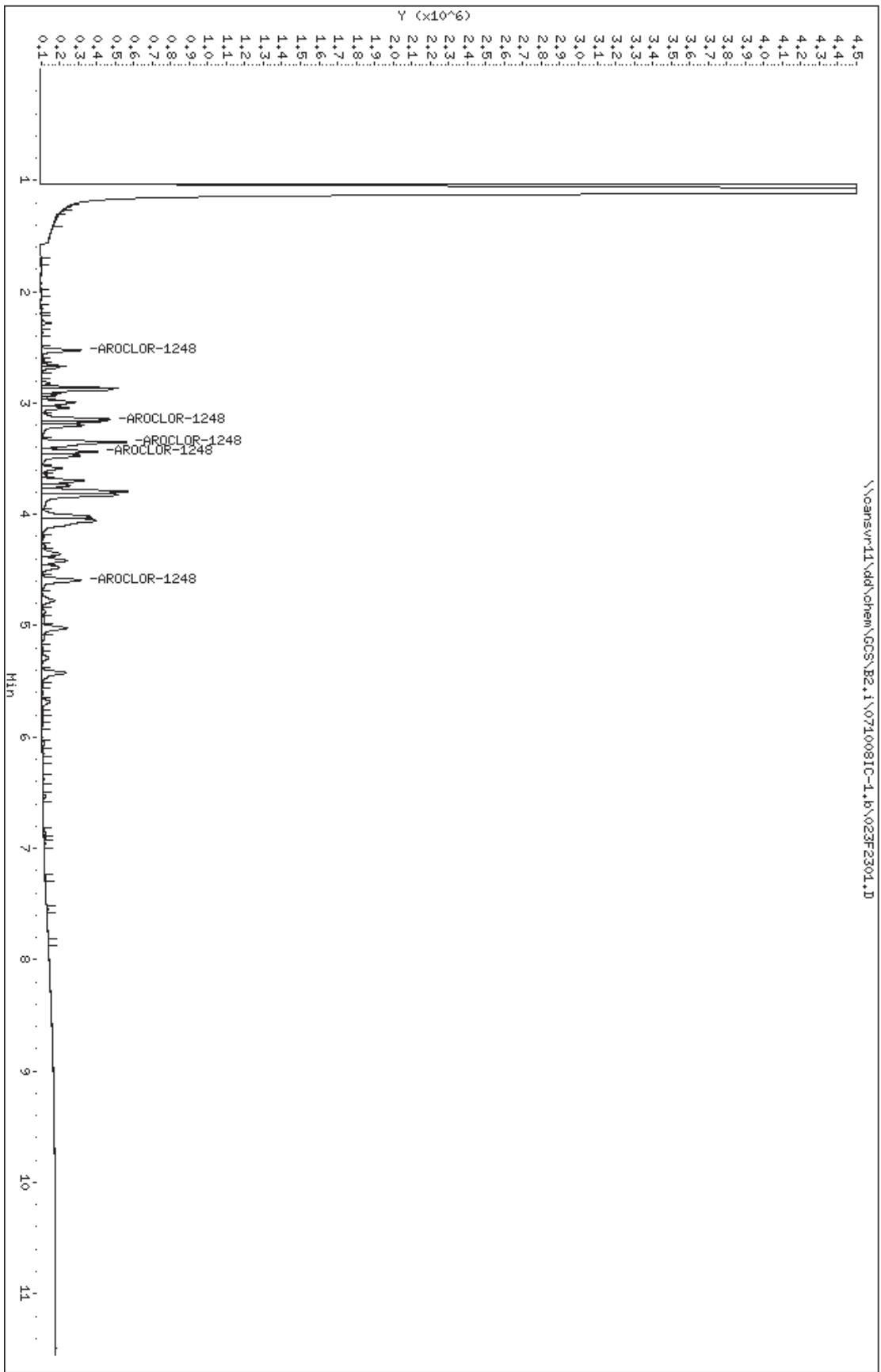
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
 Lab Smp Id: 1248
 Inj Date : 08-OCT-2007 17:57
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1248,,1,3
 Misc Info : 3-ar1248.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:46 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 17:57 Cal File: 023F2301.D
 Als bottle: 23 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-ar1248.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET	RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====
6 AROCLOR-1248			CAS #: 12672-29-6					
2.527	2.527	0.000	370340	0.50000	0.4637	0.00-	0.00	100.00
3.144	3.144	0.000	609869	0.50000	0.4643	0.00-	0.00	164.68
3.351	3.351	0.000	1025794	0.50000	0.4762	0.00-	0.00	276.99
3.436	3.436	0.000	561625	0.50000	0.4852	0.00-	0.00	151.65
4.592	4.592	0.000	550778	0.50000	0.4960	0.00-	0.00	148.72
Average of Peak Amounts =					0.47708			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\023F2301.D
Date : 08-OCT-2007 17:57
Client ID:
Sample Info: 1248,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:11
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,4
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:11 Cal File: 024F2401.D
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

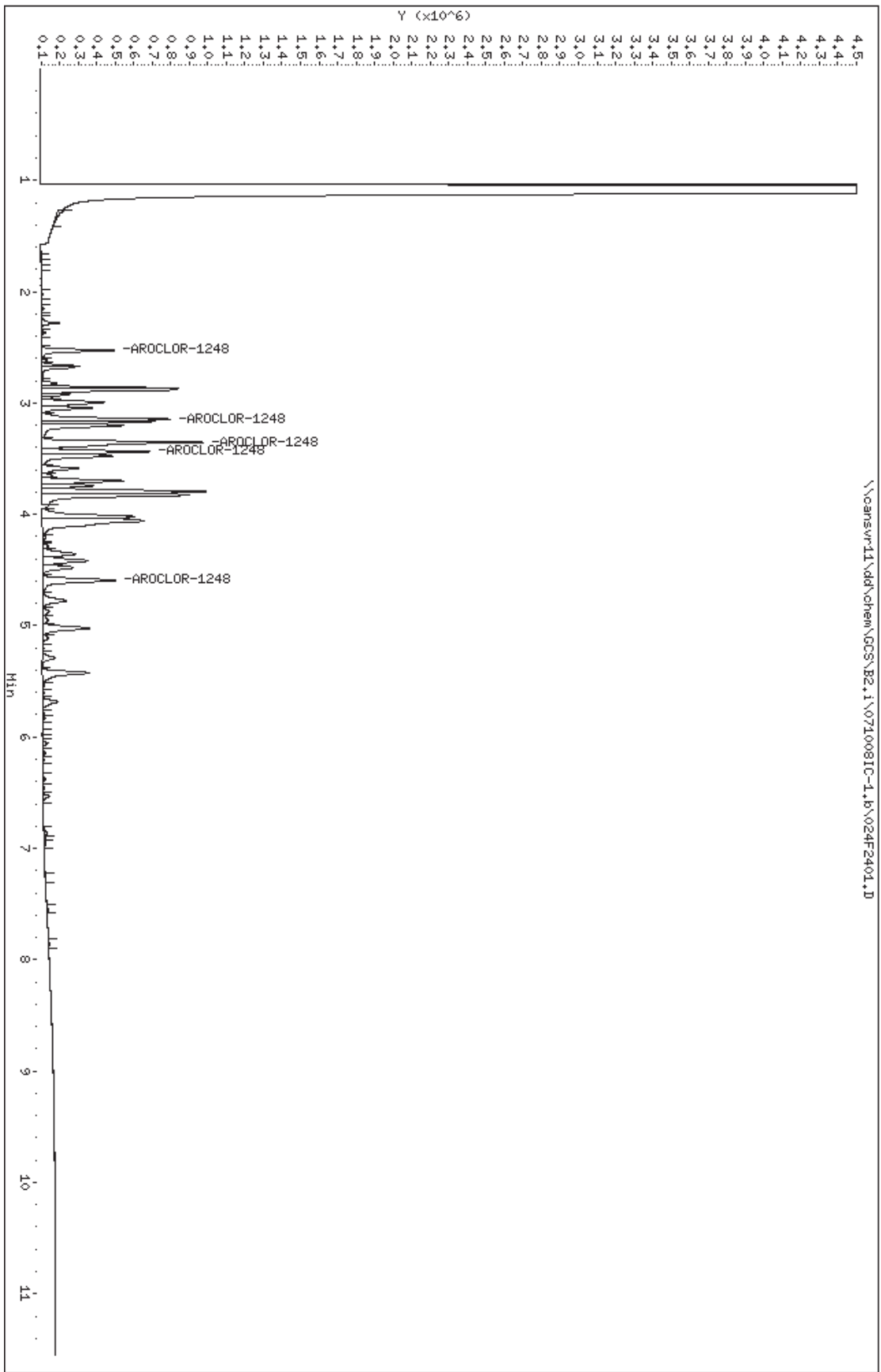
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	669486 1.00000	0.9235	80.00- 120.00	100.00 (M)	
3.145	3.145	0.000	1152706 1.00000	0.9409	129.13- 215.22	172.18	
3.353	3.353	0.000	1899906 1.00000	0.9382	212.84- 354.73	283.79	
3.437	3.437	0.000	1060243 1.00000	0.9634	118.78- 197.96	158.37	
4.592	4.592	0.000	1019714 1.00000	0.9666	114.23- 190.39	152.31	
Average of Peak Amounts =				0.94652			

QC Flag Legend

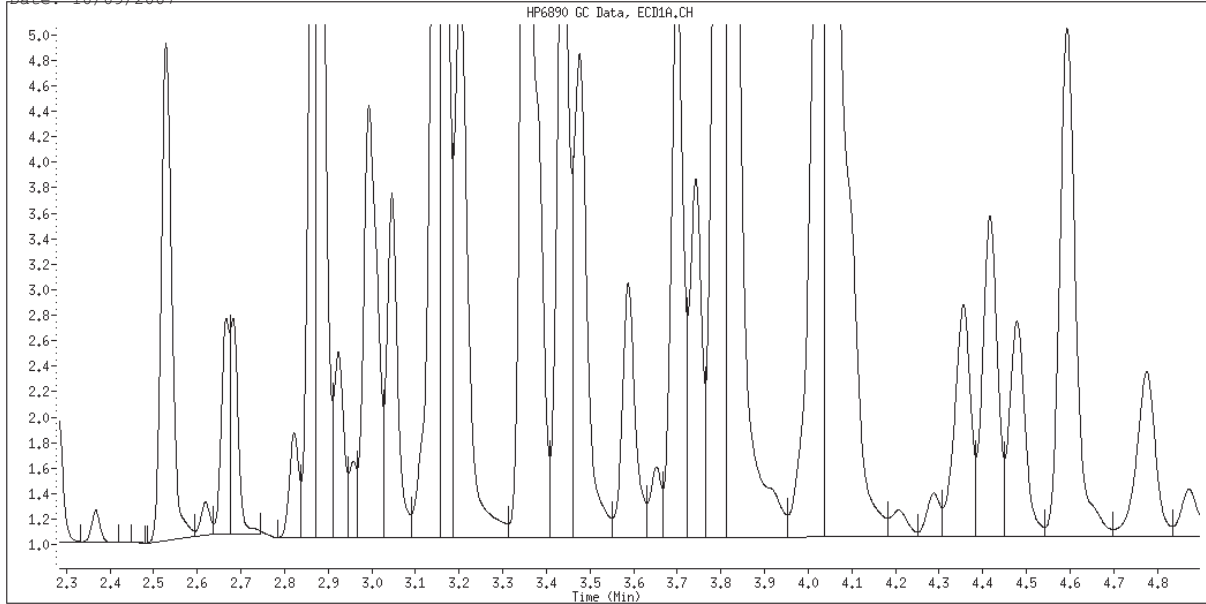
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\024F2401.D
 Date : 08-OCT-2007 18:11
 Client ID:
 Sample Info: 1248,1,4
 Column phase: restek pest c1p1

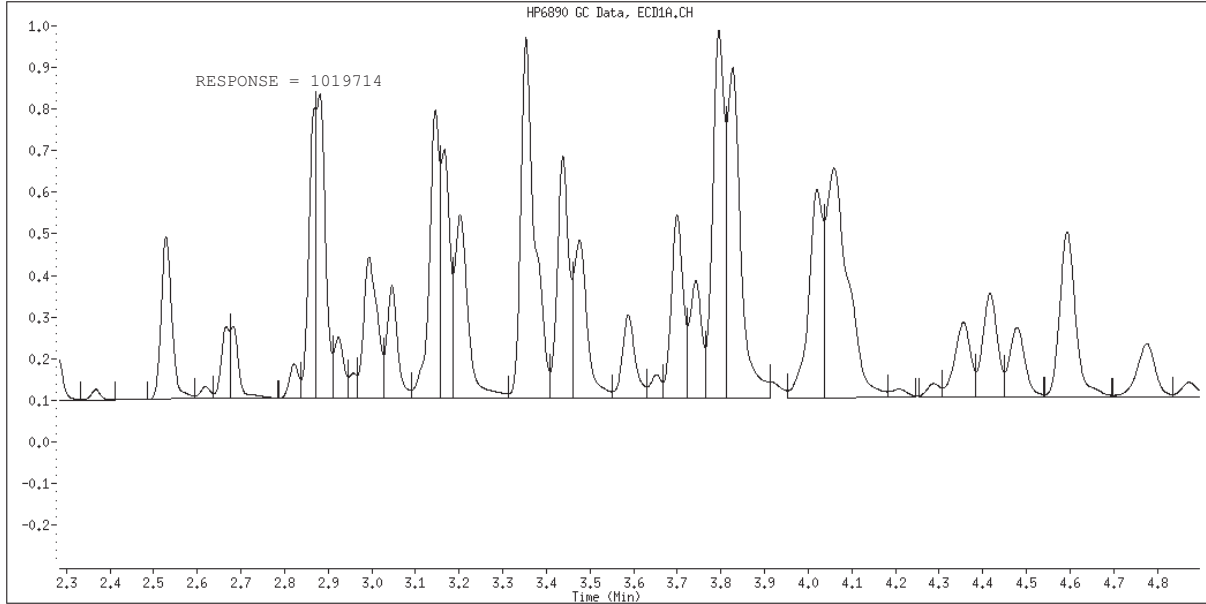
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 024F2401.D
Inj. Date and Time: 08-OCT-2007 18:11
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
 Report Date: 09-Oct-2007 10:50

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
 Lab Smp Id: 1248
 Inj Date : 08-OCT-2007 18:25
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1248,,1,5
 Misc Info : 3-ar1248.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 18:25 Cal File: 025F2501.D
 Als bottle: 25 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-ar1248.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

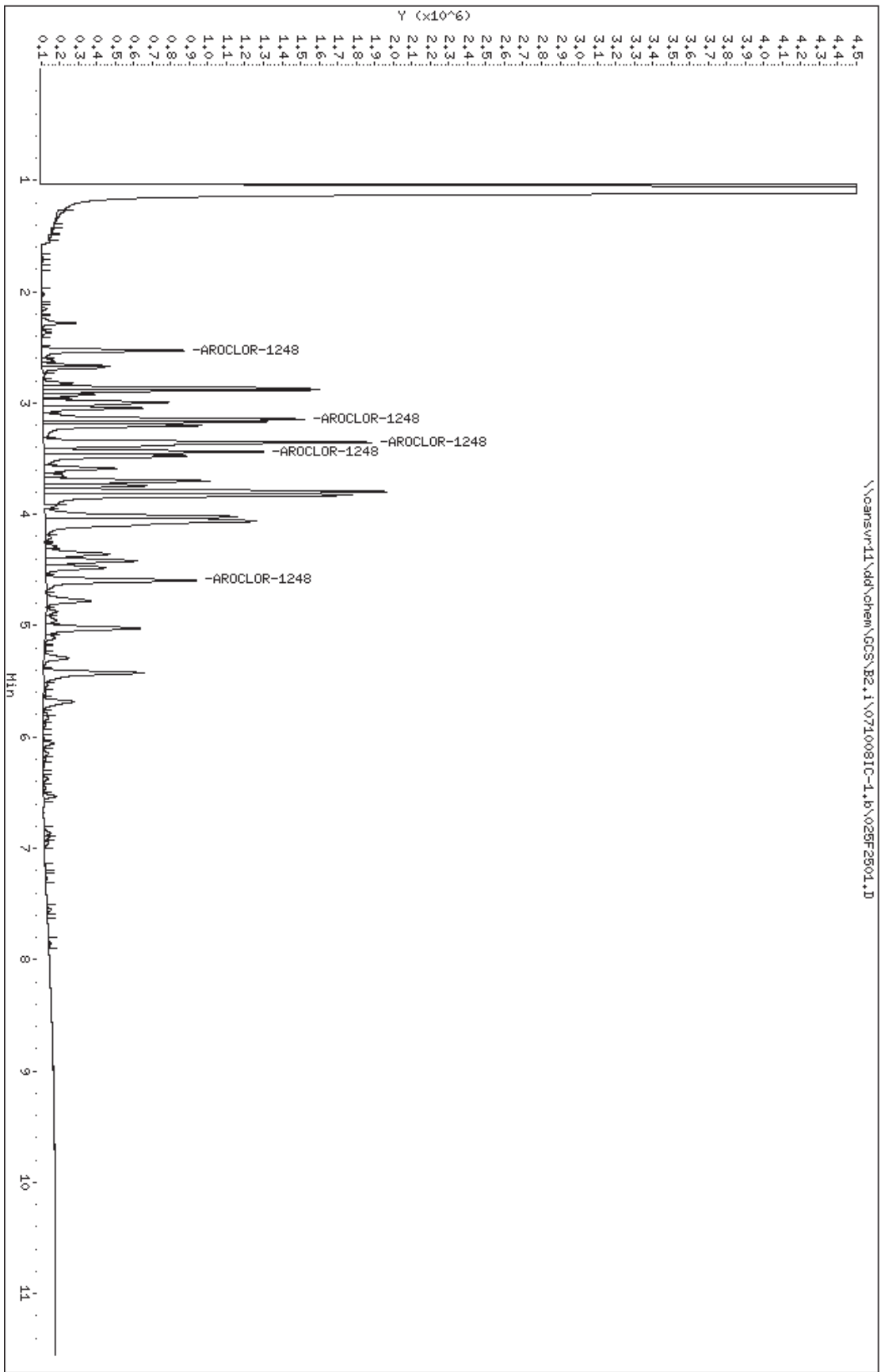
AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6					
2.528	2.528	0.000	1316133	2.00000	1.816	75.00-	125.00 100.00(M)	
3.145	3.145	0.000	2311995	2.00000	1.906	121.27-	202.12 175.67	
3.354	3.354	0.000	3837929	2.00000	1.910	202.33-	337.22 291.61	
3.438	3.438	0.000	2113500	2.00000	1.945	109.77-	182.95 160.58	
4.594	4.594	0.000	1951441	2.00000	1.864	109.01-	181.68 148.27	
Average of Peak Amounts =			1.88820					

QC Flag Legend

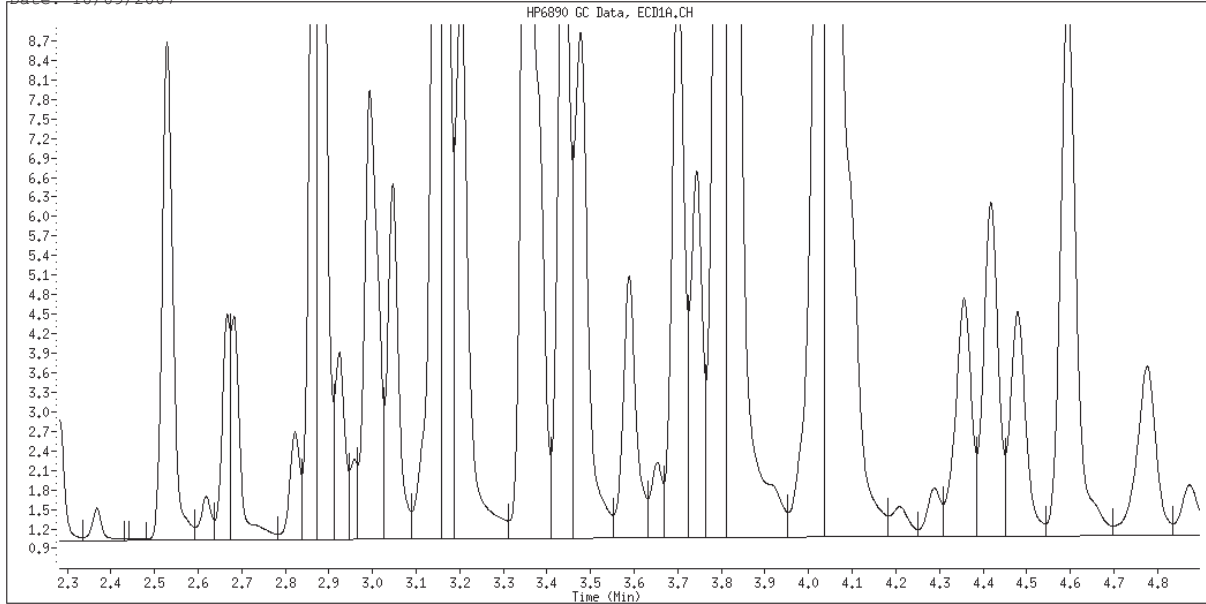
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\02SF2501.D
Date : 08-OCT-2007 18:25
Client ID:
Sample Info: 1248,1,5
Column phase: restek pest c1p1

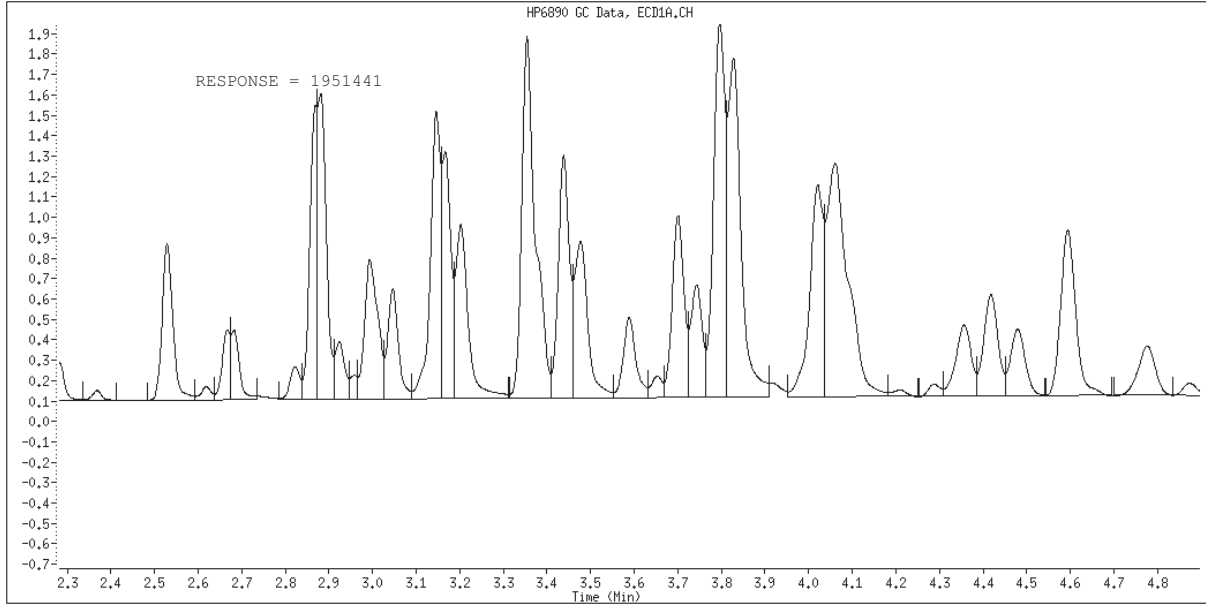
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 025F2501.D
Inj. Date and Time: 08-OCT-2007 18:25
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
Lab Smp Id: 1248
Inj Date : 08-OCT-2007 18:39
Operator : 402338 Inst ID: B2.i
Smp Info : 1248,,1,6
Misc Info : 3-ar1248.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:39 Cal File: 026F2601.D
Als bottle: 26 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-ar1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

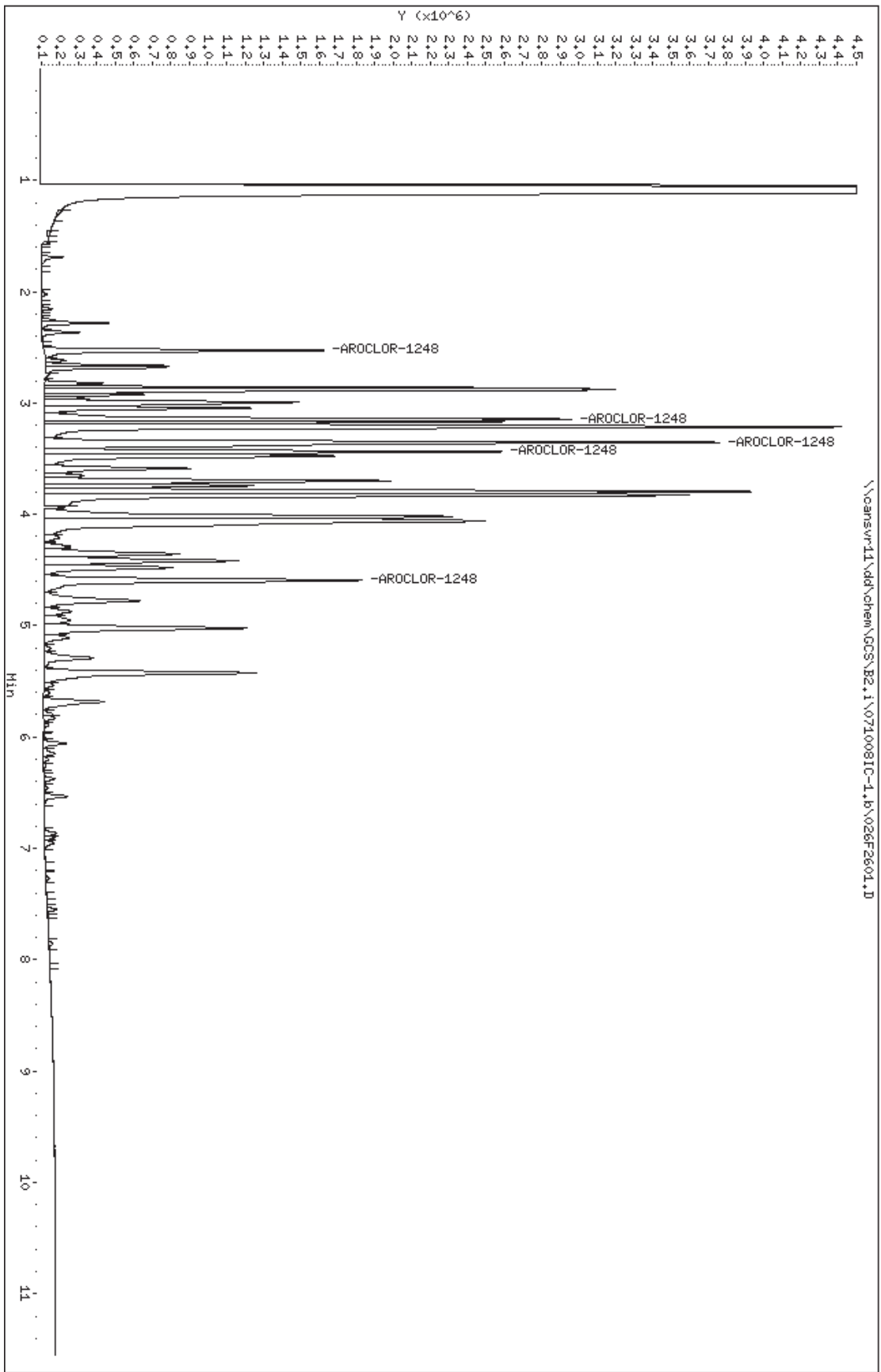
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
6 AROCLOR-1248			CAS #: 12672-29-6				
2.527	2.527	0.000	2508176	4.00000	3.459 75.00- 125.00	100.00(M)	
3.145	3.145	0.000	4599023	4.00000	3.729 129.13- 215.22	183.36	
3.353	3.353	0.000	7804069	4.00000	3.828 212.84- 354.73	311.15	
3.437	3.437	0.000	4296743	4.00000	3.869 118.78- 197.96	171.31	
4.592	4.592	0.000	4283765	4.00000	4.017 114.23- 190.39	170.79	
Average of Peak Amounts =			3.78040				

QC Flag Legend

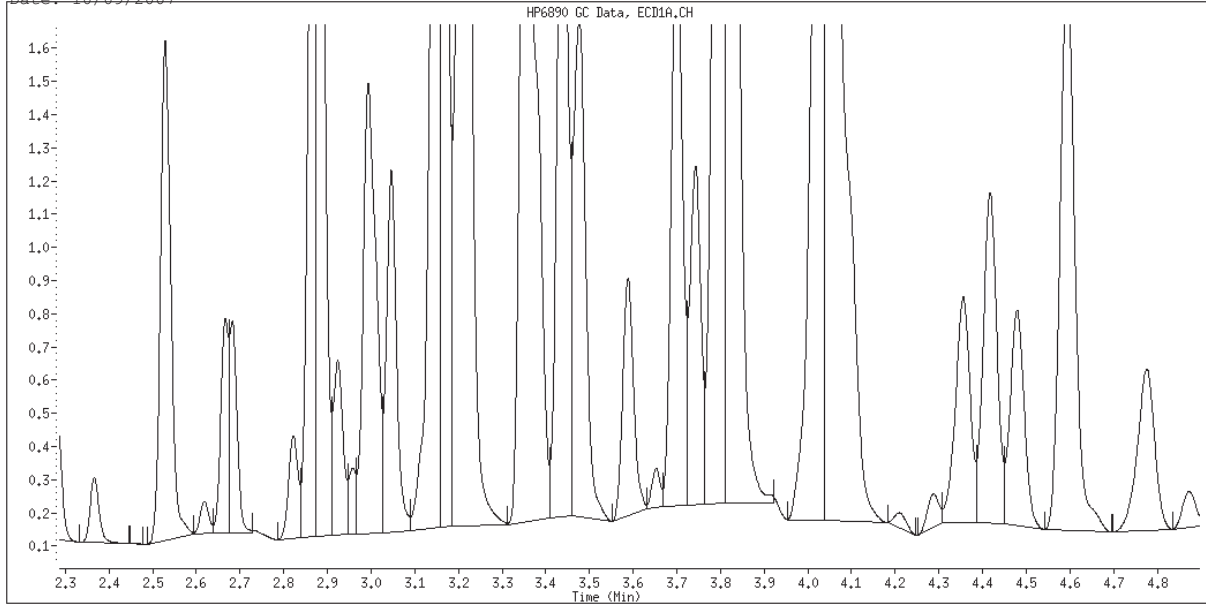
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCs\B2.1\0710081C-1.b\026F2601.D
Date : 08-OCT-2007 18:39
Client ID:
Sample Info: 1248,1,6
Column phase: restek pest c1p1

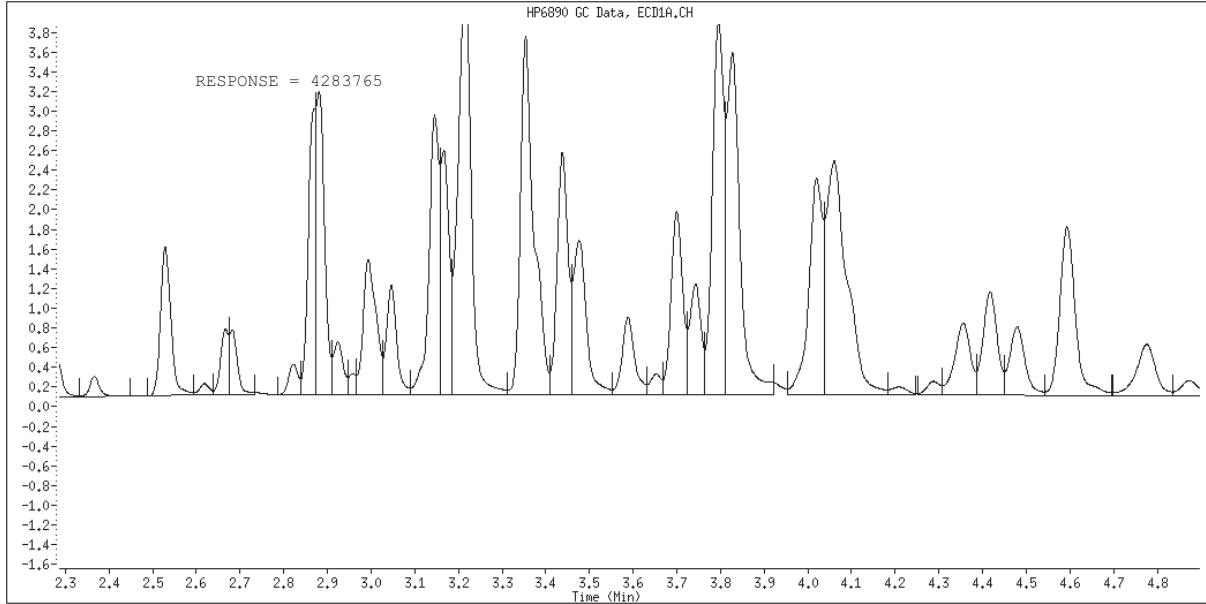
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 026F2601.D
Inj. Date and Time: 08-OCT-2007 18:39
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1248
CAS #: 12672-29-6
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Report Date: 09-Oct-2007 10:32

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 18:53
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,1
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:28 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
 Als bottle: 27 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE (ng)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	344161	0.10000	0.1000	0.00-	0.00	100.00 (M)
4.592	4.592	0.000	389522	0.10000	0.1000	0.00-	0.00	113.18
5.022	5.022	0.000	294465	0.10000	0.1000	0.00-	0.00	85.56
5.290	5.290	0.000	259558	0.10000	0.1000	0.00-	0.00	75.42
5.682	5.682	0.000	396921	0.10000	0.1000	0.00-	0.00	115.33
Average of Peak Amounts =			0.10000					

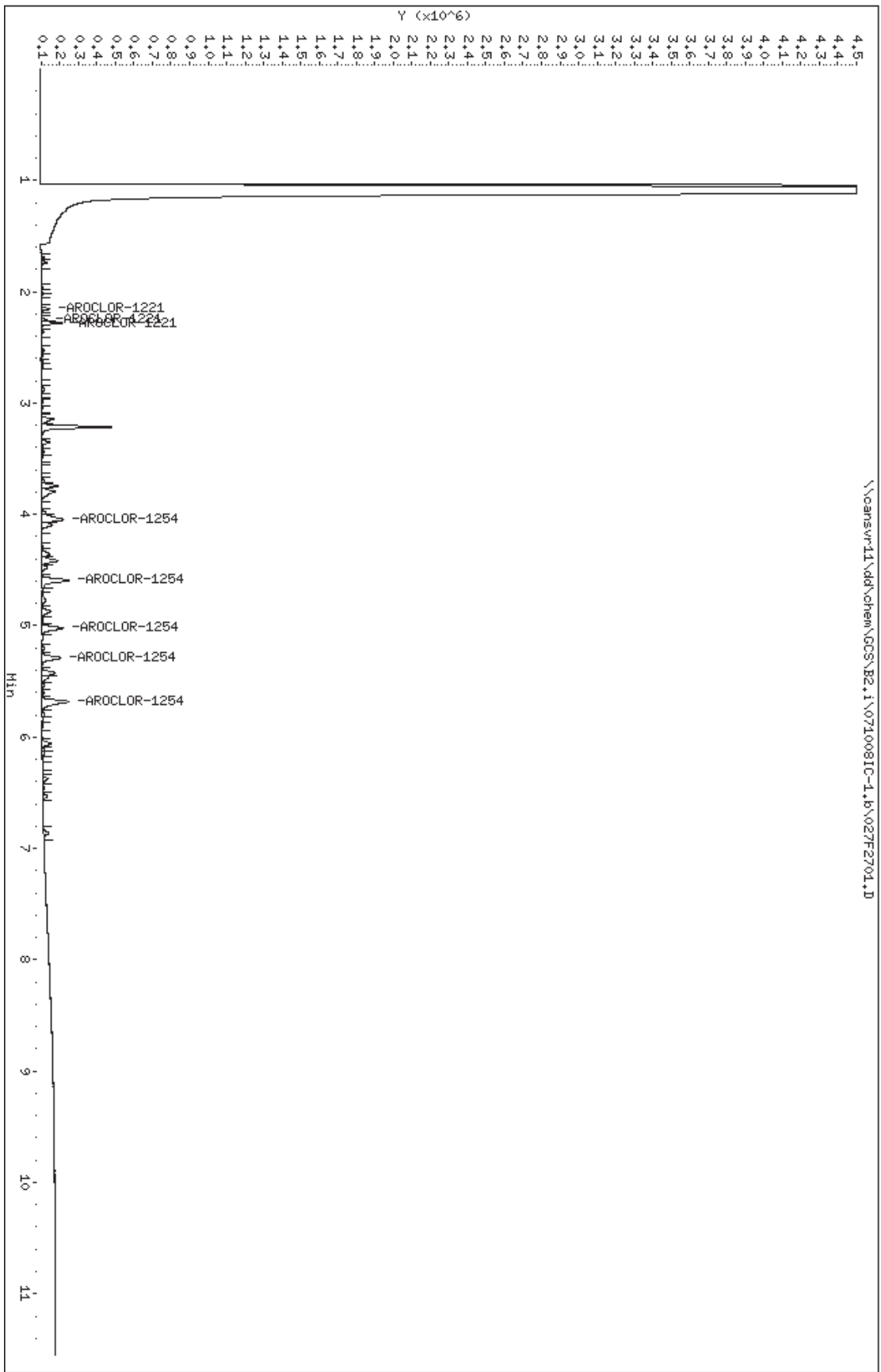
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	63163	0.10000	0.1000	0.00-	0.00	100.00
2.255	2.255	0.000	37643	0.10000	0.1000	0.00-	0.00	59.60
2.282	2.282	0.000	164593	0.10000	0.1000	0.00-	0.00	260.58
Average of Peak Amounts =			0.10000					

QC Flag Legend

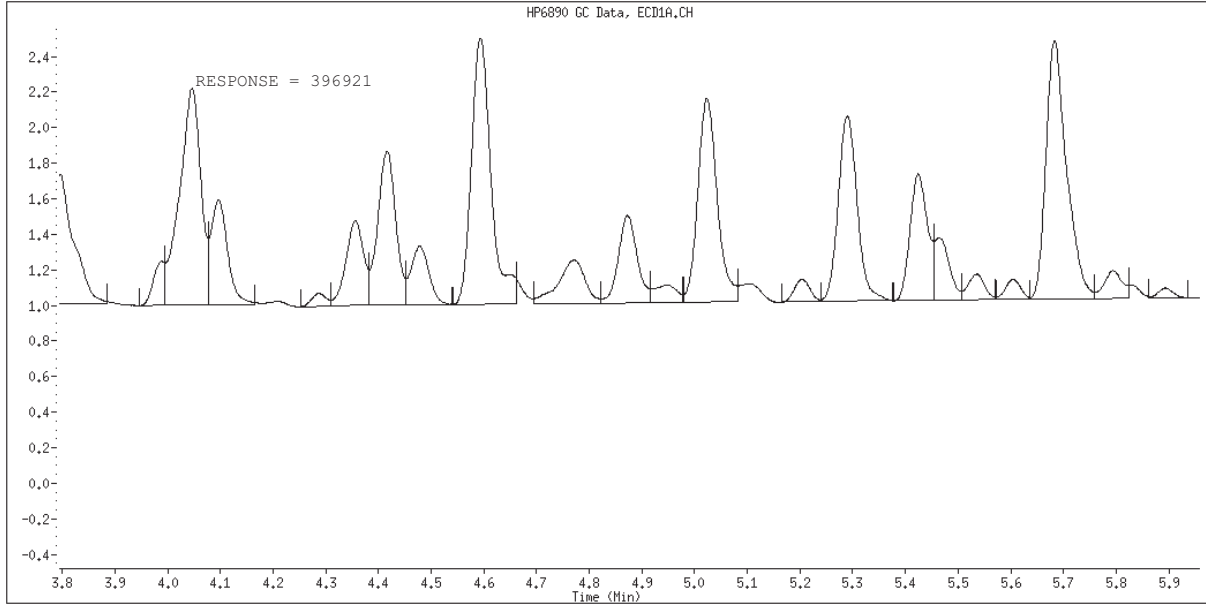
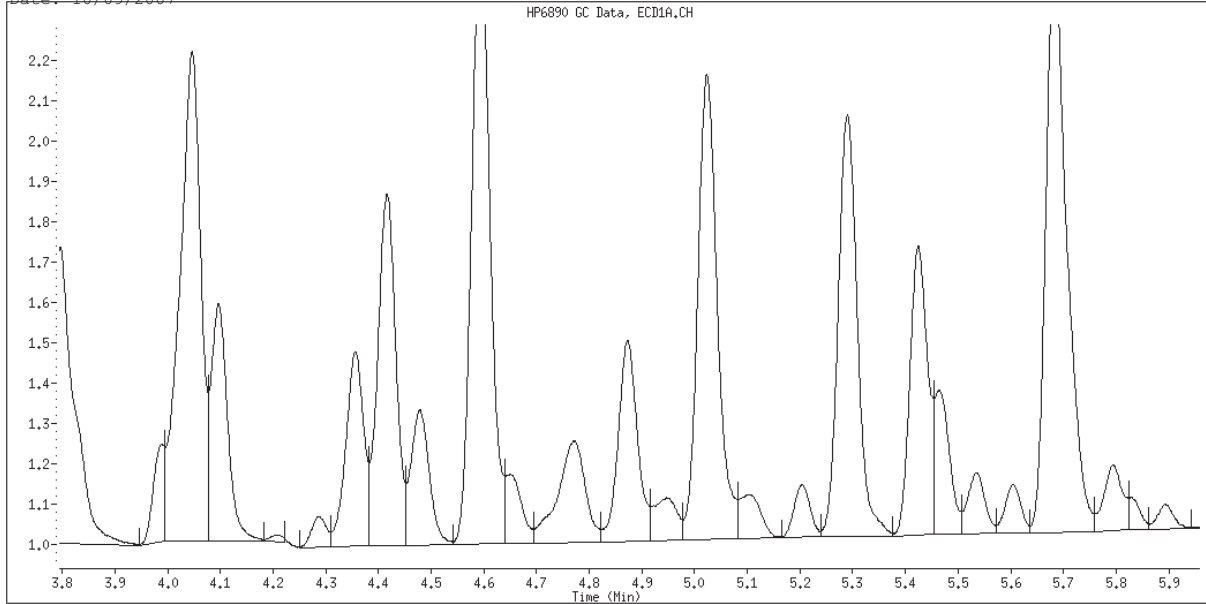
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\027F2701.D
 Date : 08-OCT-2007 18:53
 Client ID:
 Sample Info: 2154,1,1
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 08-OCT-2007 18:53
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:08
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,2
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
 Als bottle: 28 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	658330	0.20000	0.2204	75.00-	125.00	100.00(M)
4.593	4.594	-0.001	735725	0.20000	0.2150	86.44-	144.07	111.76
5.023	5.022	0.001	549217	0.20000	0.2137	64.92-	108.19	83.43
5.289	5.289	0.000	489613	0.20000	0.2143	58.07-	96.78	74.37
5.681	5.682	-0.001	760830	0.20000	0.2124	91.03-	151.72	115.57
Average of Peak Amounts =			0.21516					

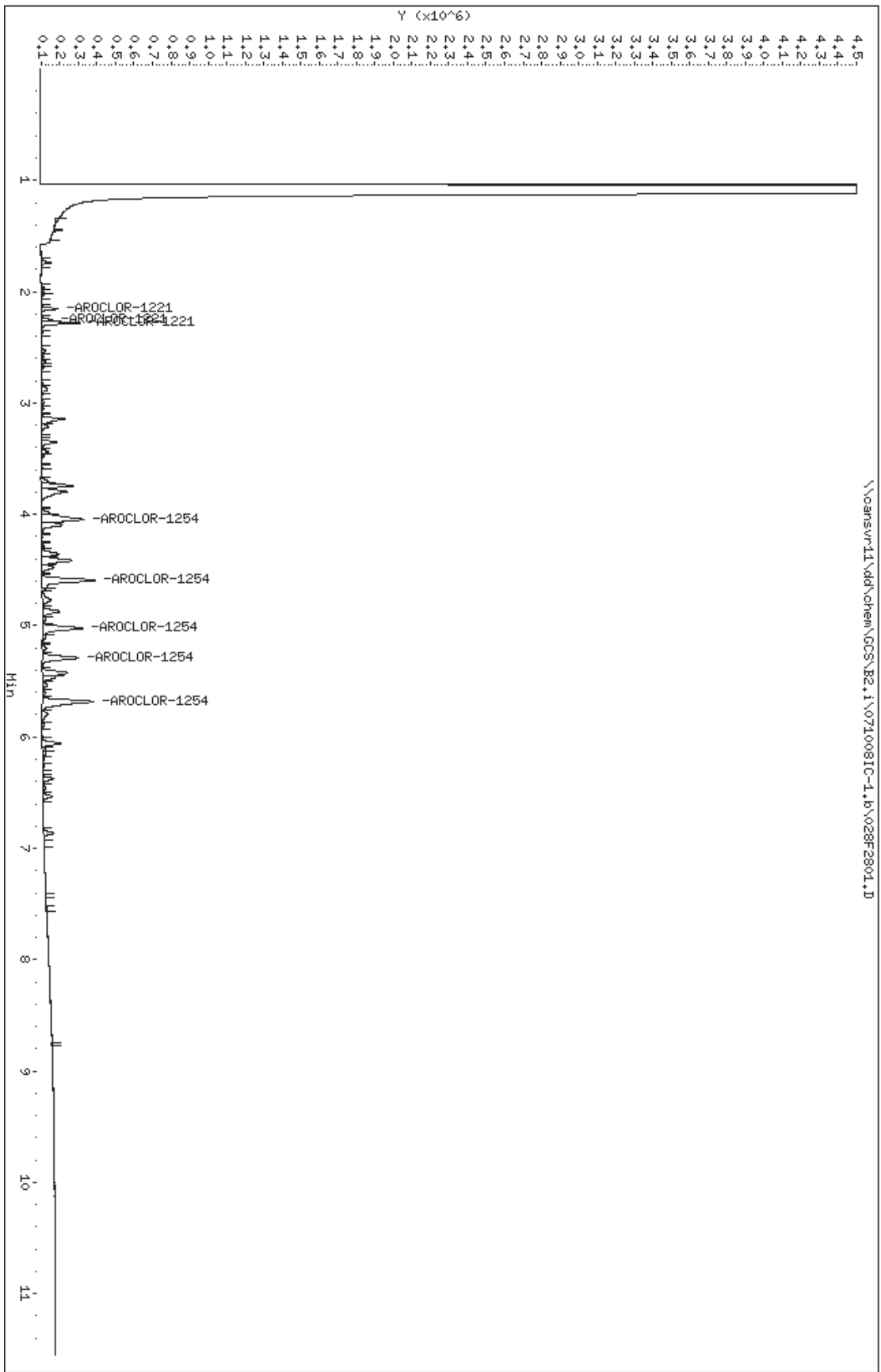
2 AROCLOR-1221			CAS #: 11104-28-2					
2.154	2.154	0.000	127136	0.20000	0.2252	75.00-	125.00	100.00
2.254	2.254	0.000	73077	0.20000	0.2236	44.64-	74.40	57.48
2.282	2.282	0.000	315332	0.20000	0.2256	179.68-	299.46	248.03
Average of Peak Amounts =			0.22480					

QC Flag Legend

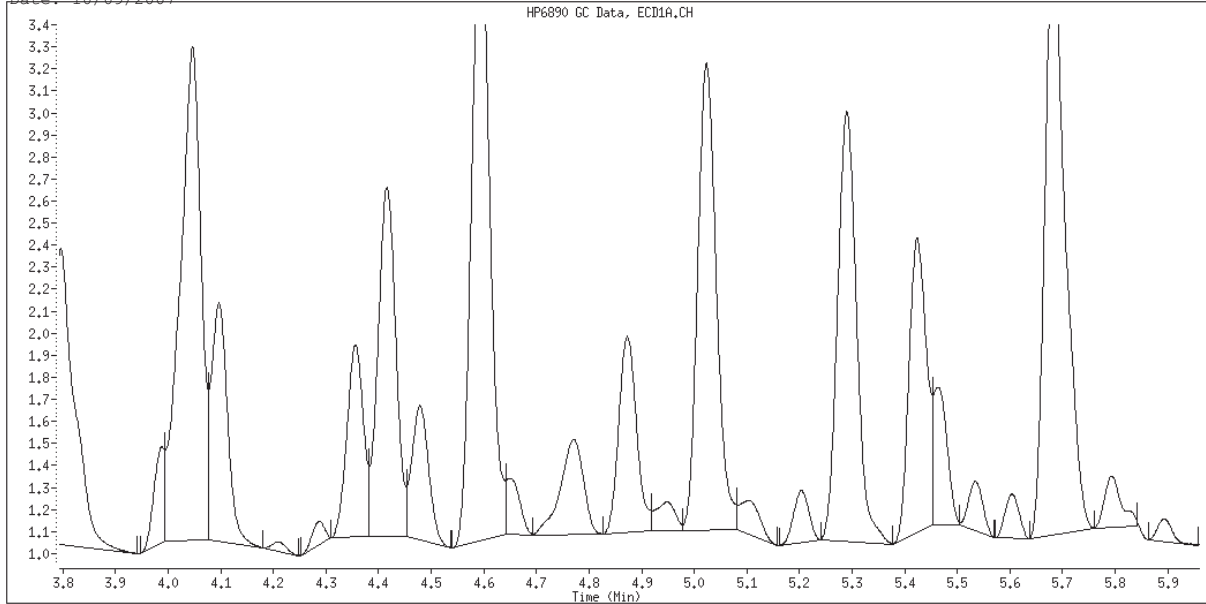
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.b\028F2801.D
 Date : 08-OCT-2007 19:08
 Client ID:
 Sample Info: 2154,1,2
 Column phase: restek pest c1p1

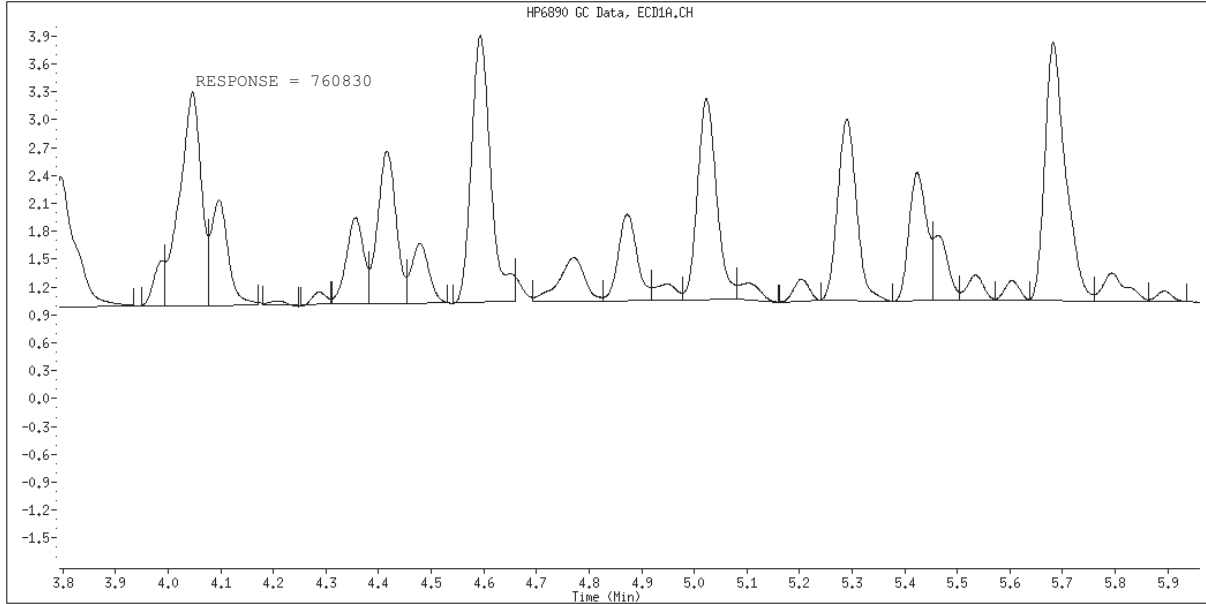
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 028F2801.D
Inj. Date and Time: 08-OCT-2007 19:08
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Report Date: 09-Oct-2007 10:51

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:22
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,3
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
 Als bottle: 29 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	1547013 0.50000	0.5154	75.00- 125.00	100.00 (M)	
4.594	4.594	0.000	1751536 0.50000	0.5084	86.44- 144.07	113.22	
5.022	5.022	0.000	1402396 0.50000	0.5353	64.92- 108.19	90.65	
5.289	5.289	0.000	1228850 0.50000	0.5317	58.07- 96.78	79.43	
5.682	5.682	0.000	1882231 0.50000	0.5198	91.03- 151.72	121.67	
Average of Peak Amounts =				0.52212			

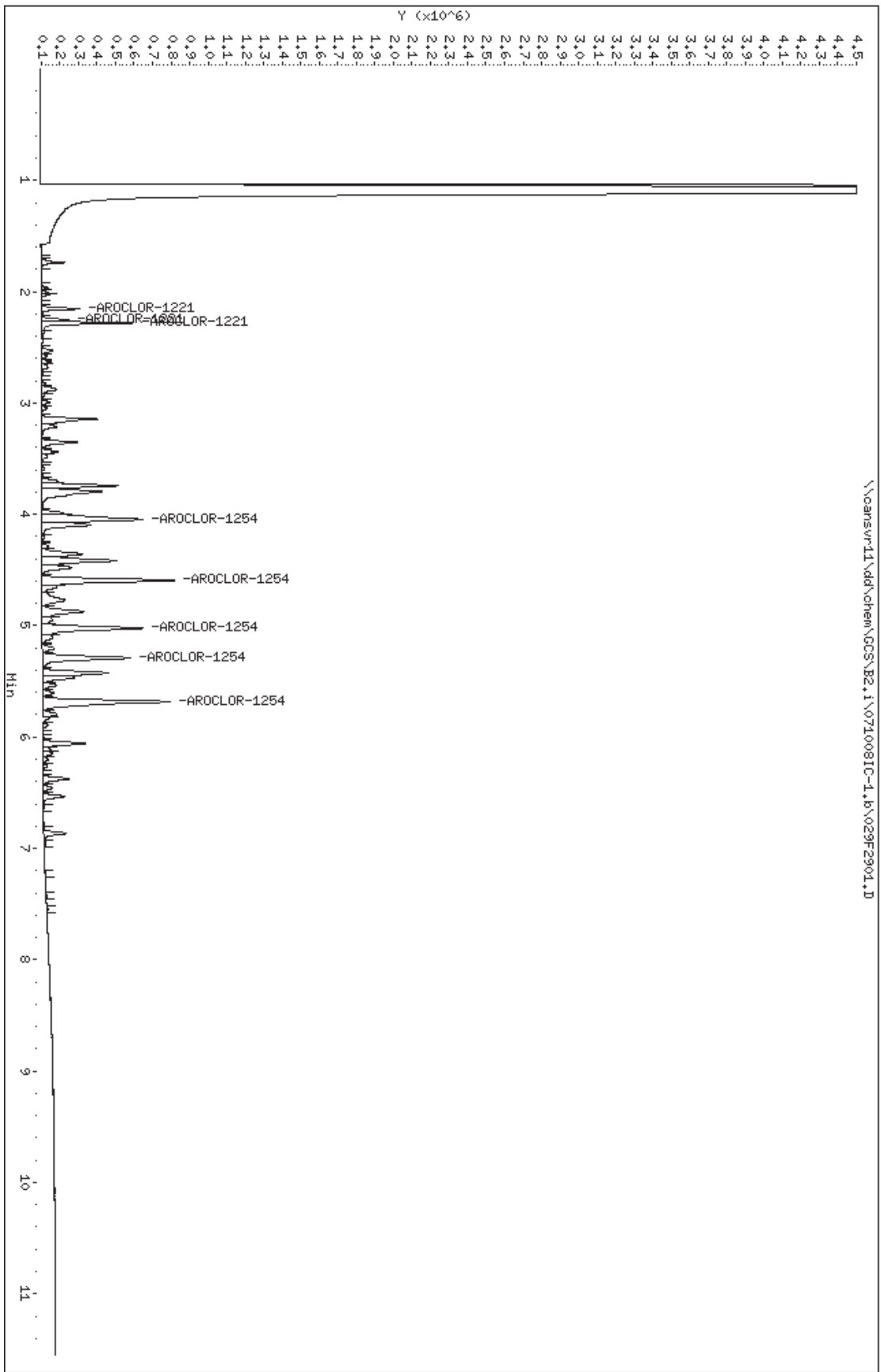
2 AROCLOR-1221				CAS #: 11104-28-2			
2.154	2.154	0.000	295052 0.50000	0.5225	75.00- 125.00	100.00	
2.254	2.254	0.000	174036 0.50000	0.5326	44.64- 74.40	58.98	
2.282	2.282	0.000	720108 0.50000	0.5153	179.68- 299.46	244.06	
Average of Peak Amounts =				0.52347			

QC Flag Legend

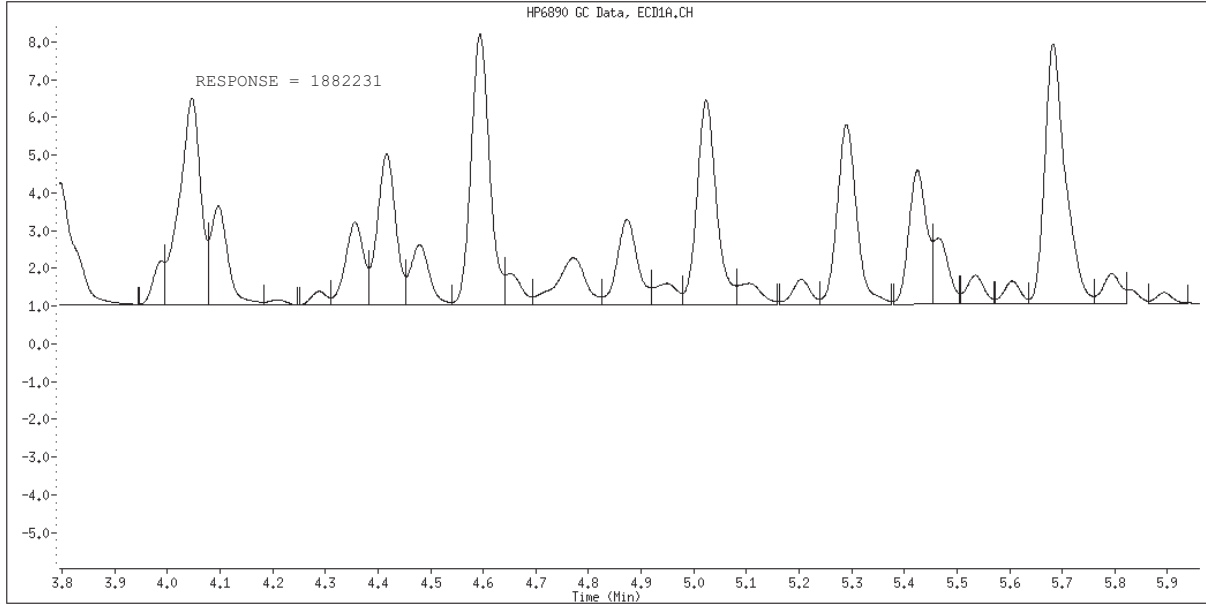
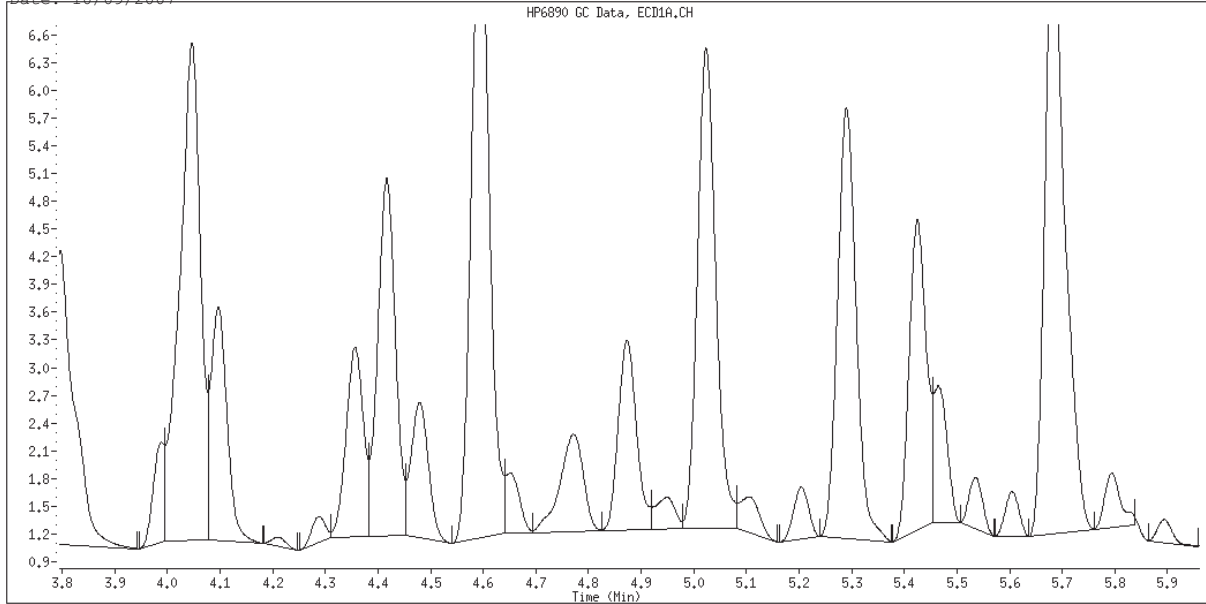
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\029F2901.D
 Date : 08-OCT-2007 19:22
 Client ID:
 Sample Info: 2154,1.3
 Column phase: restek pest c1p1

Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 029F2901.D
Inj. Date and Time: 08-OCT-2007 19:22
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:36
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,4
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
 Als bottle: 30 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
7 AROCLOR-1254				CAS #: 11097-69-1			
4.046	4.046	0.000	2877123 1.00000	0.9513	80.00- 120.00	100.00(M)	
4.595	4.595	0.000	3286638 1.00000	0.9480	85.68- 142.79	114.23	
5.024	5.024	0.000	2591924 1.00000	0.9758	67.57- 112.61	90.09	
5.290	5.290	0.000	2228730 1.00000	0.9570	58.10- 96.83	77.46	
5.683	5.683	0.000	3482902 1.00000	0.9550	90.79- 151.32	121.06	
Average of Peak Amounts =				0.95742			

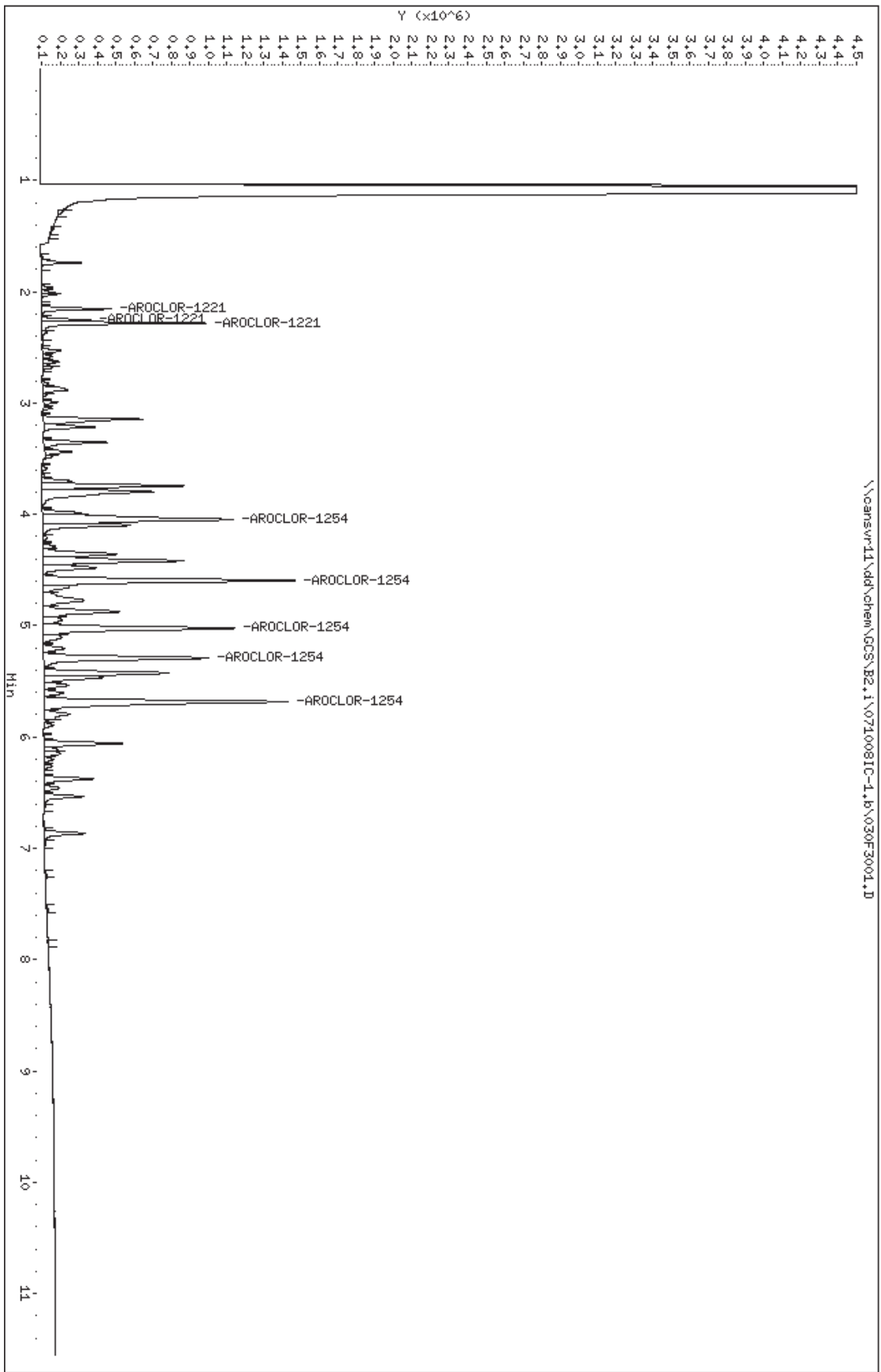
2 AROCLOR-1221				CAS #: 11104-28-2			
2.155	2.155	0.000	537818 1.00000	0.9525	80.00- 120.00	100.00	
2.255	2.255	0.000	320099 1.00000	0.9796	44.64- 74.40	59.52	
2.282	2.282	0.000	1288442 1.00000	0.9219	179.68- 299.46	239.57	
Average of Peak Amounts =				0.95133			

QC Flag Legend

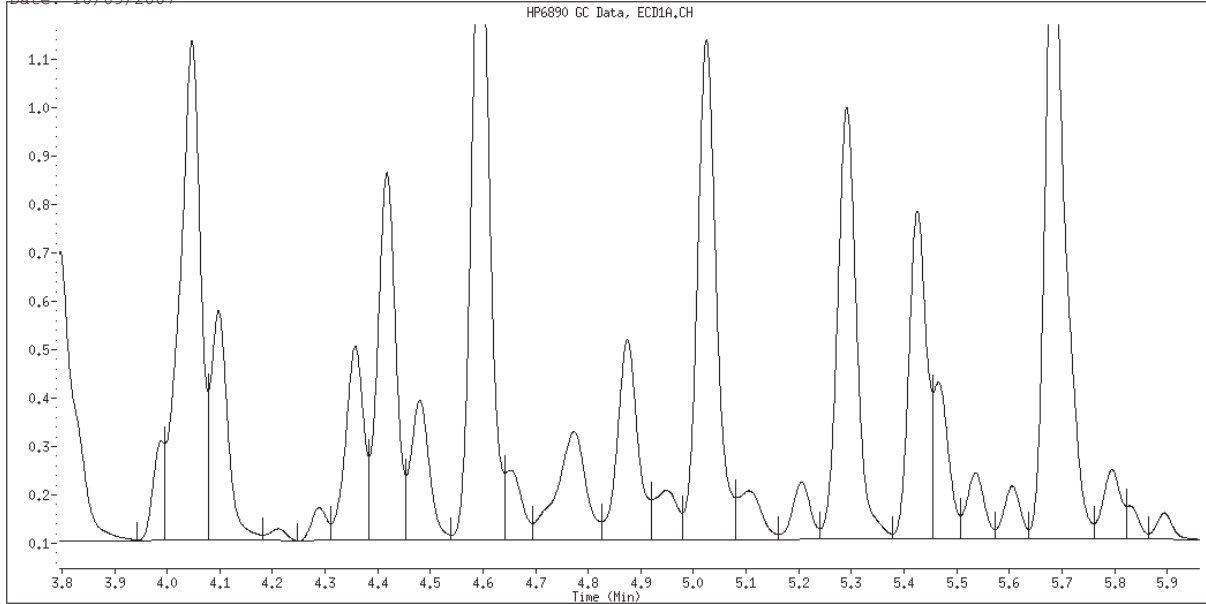
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.1\030F3001.D
 Date : 08-OCT-2007 19:36
 Client ID:
 Sample Info: 2154,1,4
 Column phase: restek pest c1p1

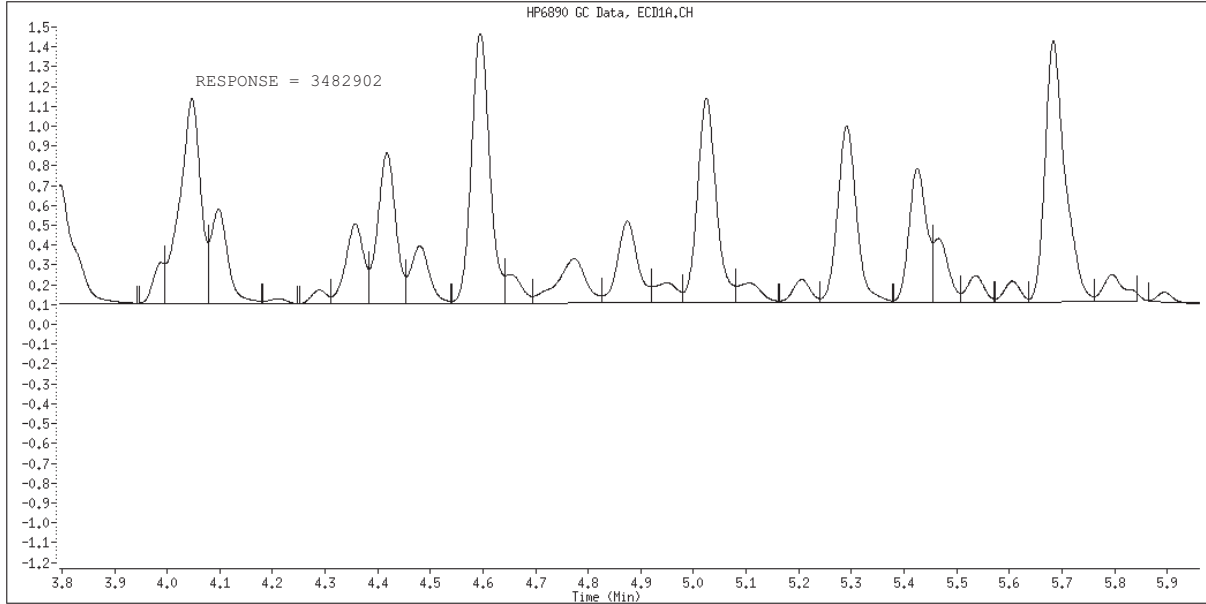
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 030F3001.D
Inj. Date and Time: 08-OCT-2007 19:36
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Report Date: 09-Oct-2007 10:52

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
 Lab Smp Id: 2154
 Inj Date : 08-OCT-2007 19:50
 Operator : 402338 Inst ID: B2.i
 Smp Info : 2154,,1,5
 Misc Info : 9-ar2154.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
 Als bottle: 31 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 9-ar2154.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS									
			CAL-AMT	ON-COL					
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
7 AROCLOR-1254					CAS #: 11097-69-1				
4.047	4.047	0.000	5801945	2.00000	1.904	75.00-	125.00	100.00(M)	
4.593	4.593	0.000	6788289	2.00000	1.945	85.68-	142.79	117.00	
5.023	5.023	0.000	5374460	2.00000	1.992	67.57-	112.61	92.63	
5.290	5.290	0.000	4565576	2.00000	1.942	58.10-	96.83	78.69	
5.682	5.682	0.000	7254614	2.00000	1.973	90.79-	151.32	125.04	
Average of Peak Amounts =					1.95120				

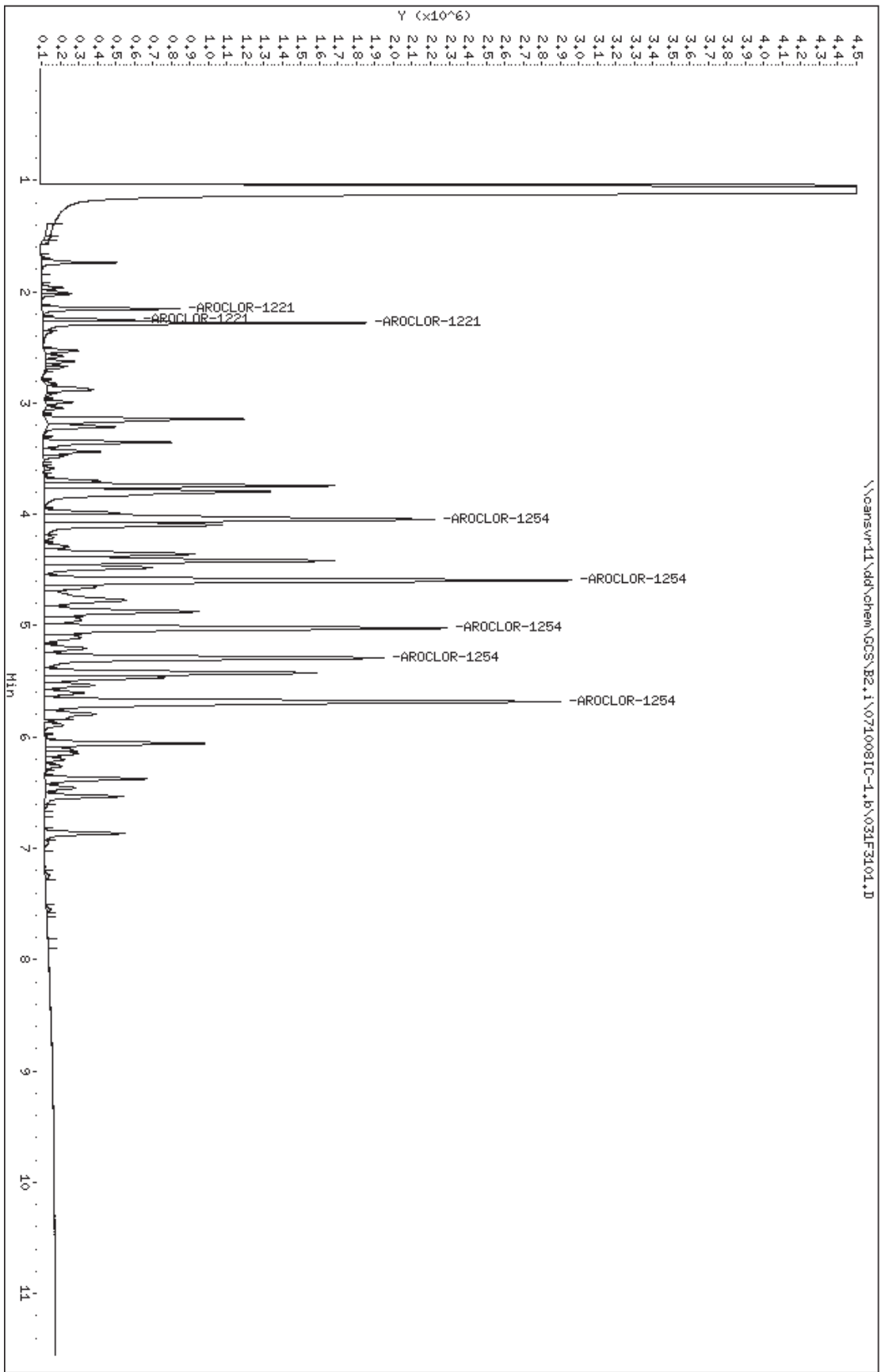
2 AROCLOR-1221					CAS #: 11104-28-2				
2.154	2.154	0.000	1028147	2.00000	1.821	75.00-	125.00	100.00	
2.254	2.254	0.000	575194	2.00000	1.760	44.64-	74.40	55.94	
2.282	2.282	0.000	2496550	2.00000	1.786	179.68-	299.46	242.82	
Average of Peak Amounts =					1.78900				

QC Flag Legend

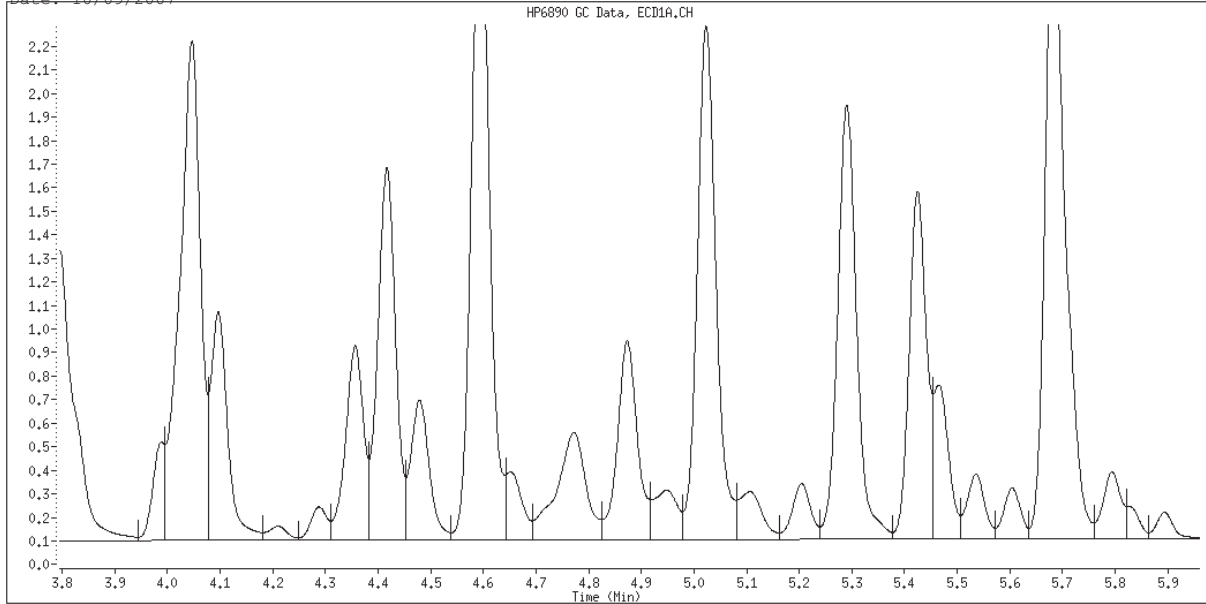
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710081C-1.6\031F3101.D
Date : 08-OCT-2007 19:50
Client ID:
Sample Info: 2154,1,5
Column phase: restek pest c1p1

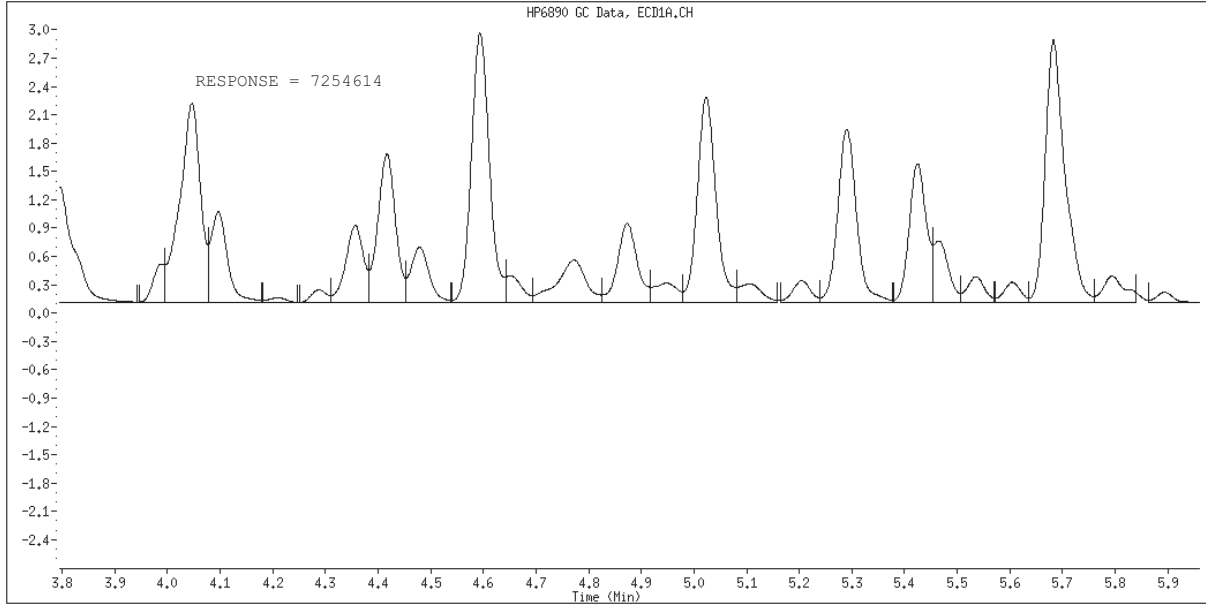
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 031F3101.D
Inj. Date and Time: 08-OCT-2007 19:50
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
Report Date: 09-Oct-2007 10:53

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
Lab Smp Id: 2154
Inj Date : 08-OCT-2007 20:04
Operator : 402338 Inst ID: B2.i
Smp Info : 2154,,1,6
Misc Info : 9-ar2154.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071008IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 10:47 target Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 32 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 9-ar2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO		
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====	=====
7 AROCLOR-1254			CAS #: 11097-69-1					
4.046	4.046	0.000	11235978	4.00000	3.661	75.00-	125.00	100.00(M)
4.593	4.593	0.000	13252393	4.00000	3.774	85.68-	142.79	117.95
5.022	5.022	0.000	10537789	4.00000	3.853	67.57-	112.61	93.79
5.290	5.290	0.000	8869355	4.00000	3.740	58.10-	96.83	78.94
5.682	5.682	0.000	14293565	4.00000	3.859	90.79-	151.32	127.21
Average of Peak Amounts =				3.77740				

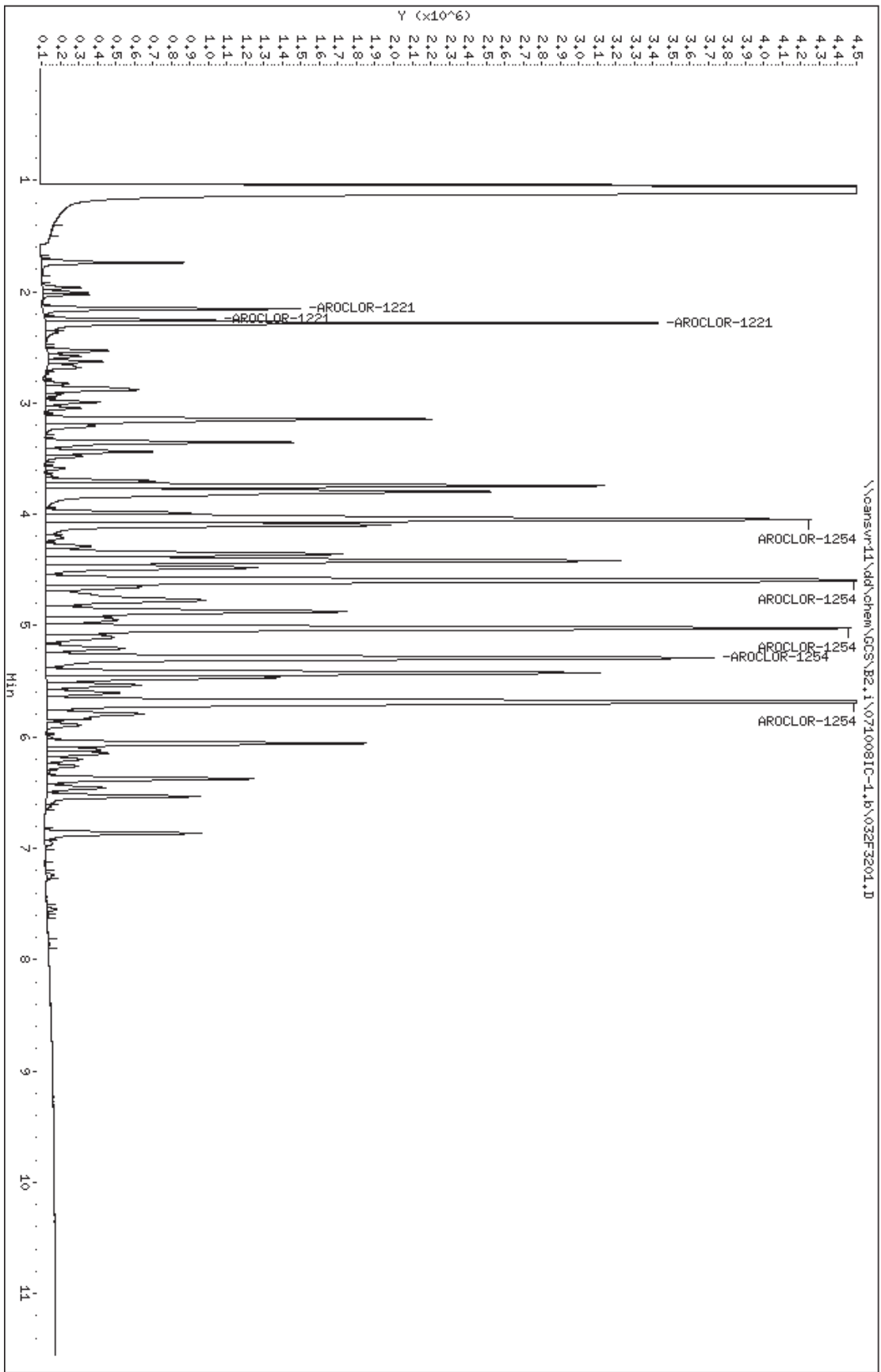
2 AROCLOR-1221			CAS #: 11104-28-2					
2.155	2.155	0.000	1914387	4.00000	3.390	75.00-	125.00	100.00
2.255	2.255	0.000	1051617	4.00000	3.218	44.64-	74.40	54.93
2.282	2.282	0.000	4743393	4.00000	3.394	179.68-	299.46	247.78
Average of Peak Amounts =				3.33400				

QC Flag Legend

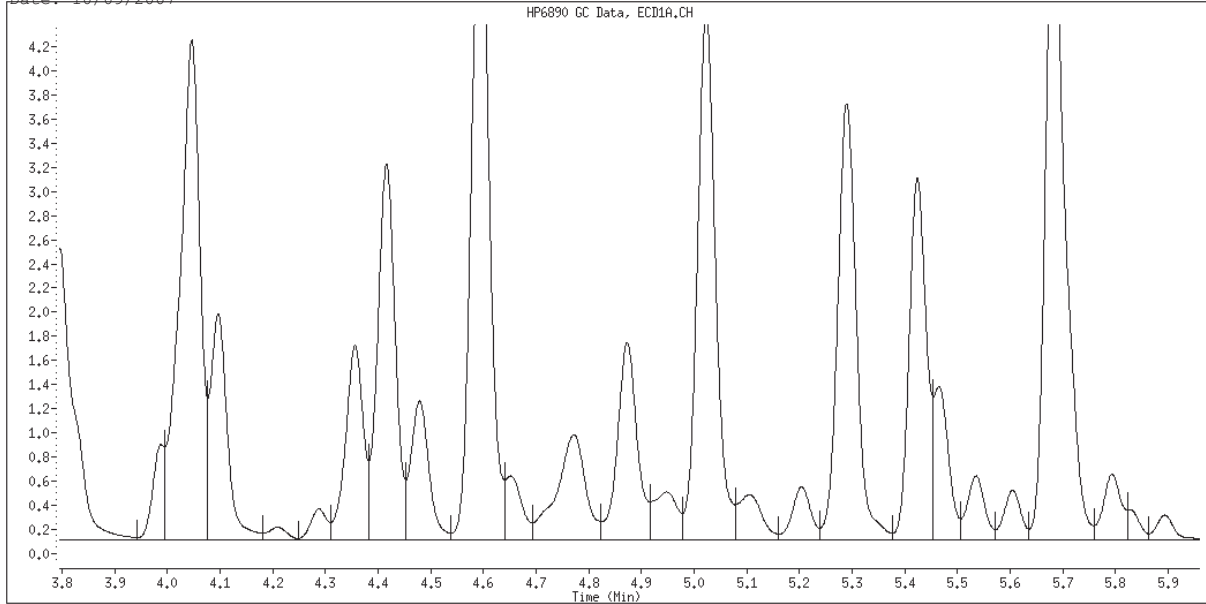
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\CCS\B2.1\0710081C-1.1\032F3201.D
Date : 08-OCT-2007 20:04
Client ID:
Sample Info: 2154,1,6
Column phase: restek pest c1p1

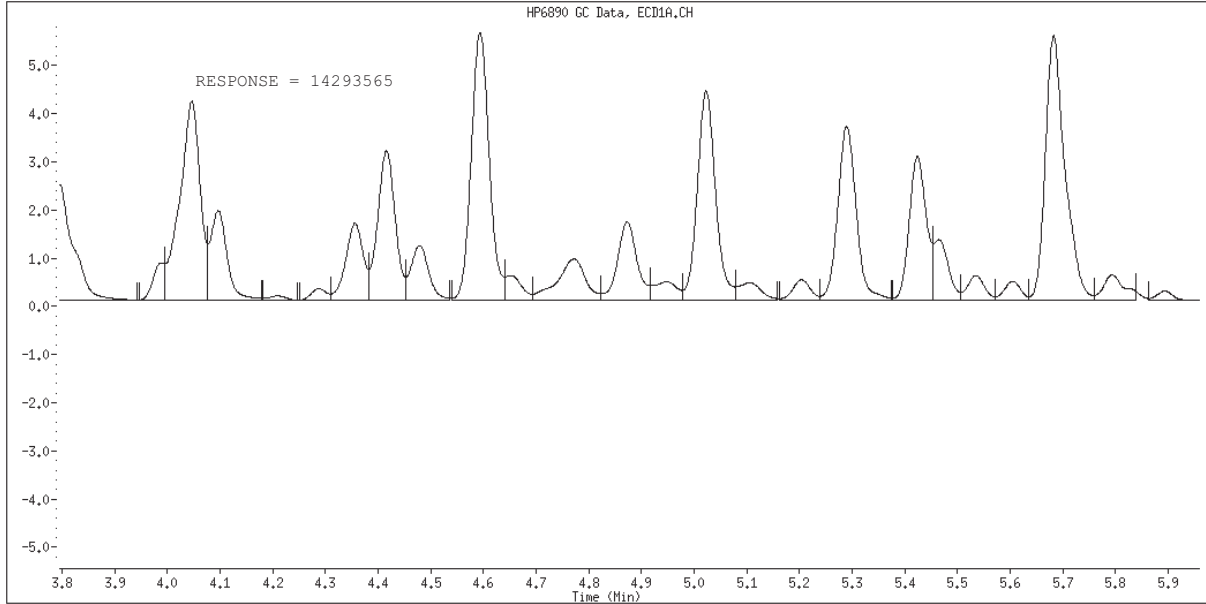
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 032F3201.D
Inj. Date and Time: 08-OCT-2007 20:04
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1254
CAS #: 11097-69-1
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Report Date: 09-Oct-2007 12:39

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:43
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,1
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 18:53 Cal File: 027F2701.D
Als bottle: 15 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

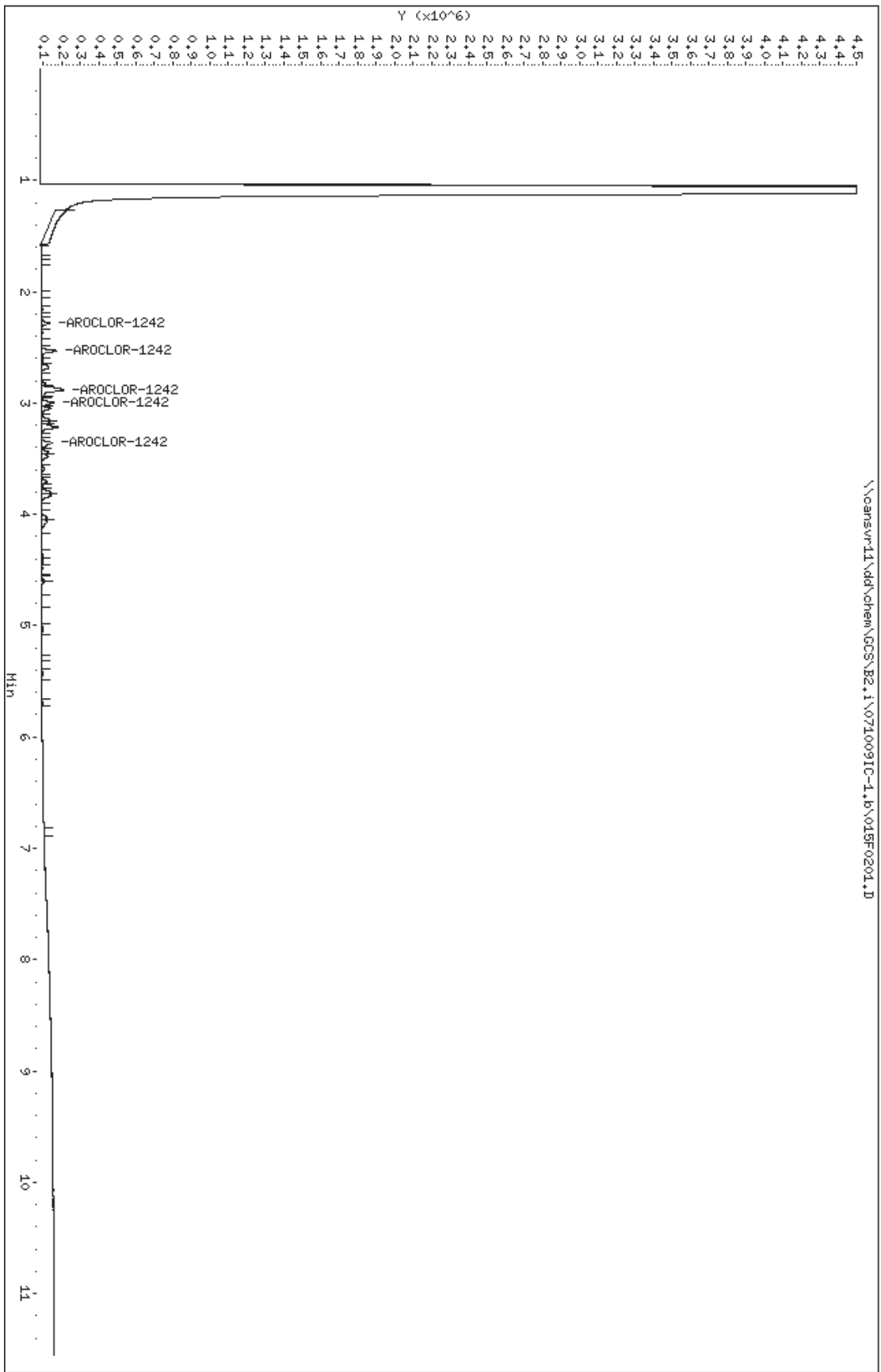
AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	84512 0.10000	0.1062	75.00- 125.00	100.00 (M)	
2.531	2.531	0.000	140950 0.10000	0.09546	148.91- 248.19	166.78	
2.885	2.885	0.000	307719 0.10000	0.09444	323.40- 539.00	364.11	
2.995	2.995	0.000	131639 0.10000	0.09177	144.54- 240.90	155.76	
3.358	3.358	0.000	127635 0.10000	0.08579	174.04- 290.06	151.03	
Average of Peak Amounts =				0.09473			

QC Flag Legend

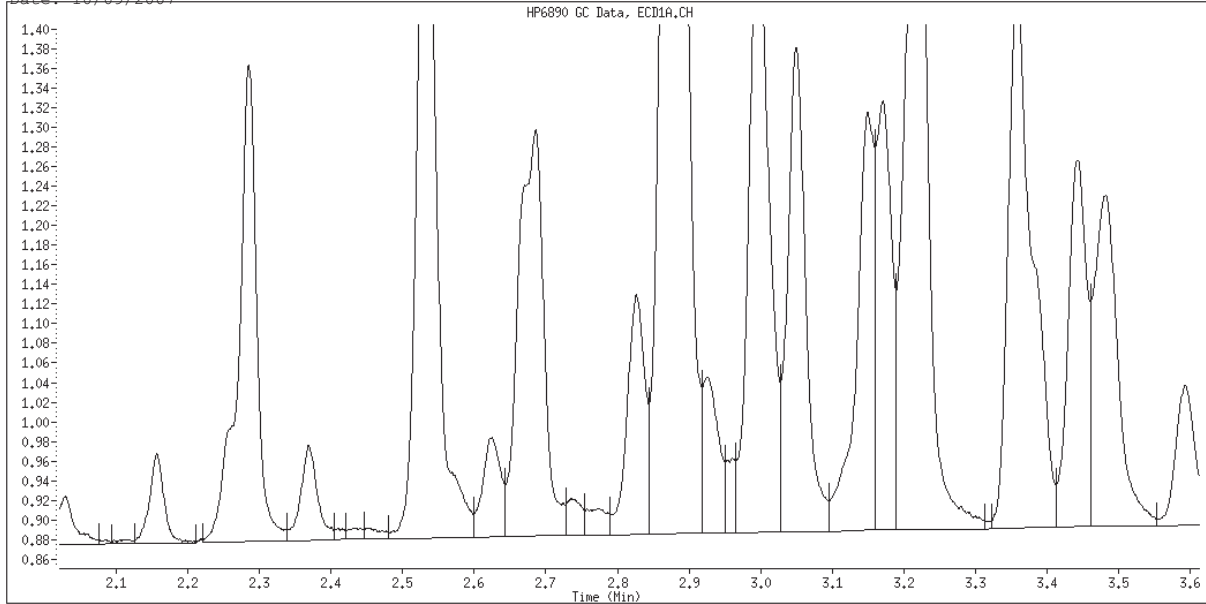
M - Compound response manually integrated.

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.1\01SF0201.D
Date : 09-OCT-2007 11:43
Client ID:
Sample Info: 1242,1,1
Column phase: restek pest c1p1

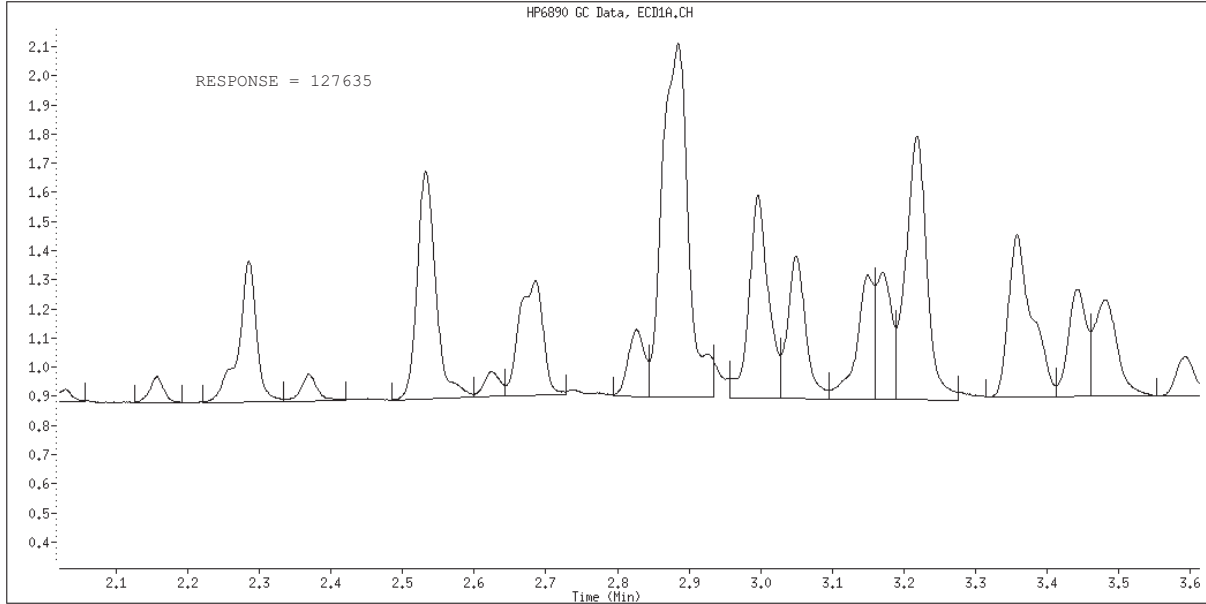
Instrument: B2.1
Operator: 402338
Column diameter: 0.53



Data File Name: 015F0201.D
Inj. Date and Time: 09-OCT-2007 11:43
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1242
CAS #: 53469-21-9
Report Date: 10/09/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Report Date: 09-Oct-2007 12:37

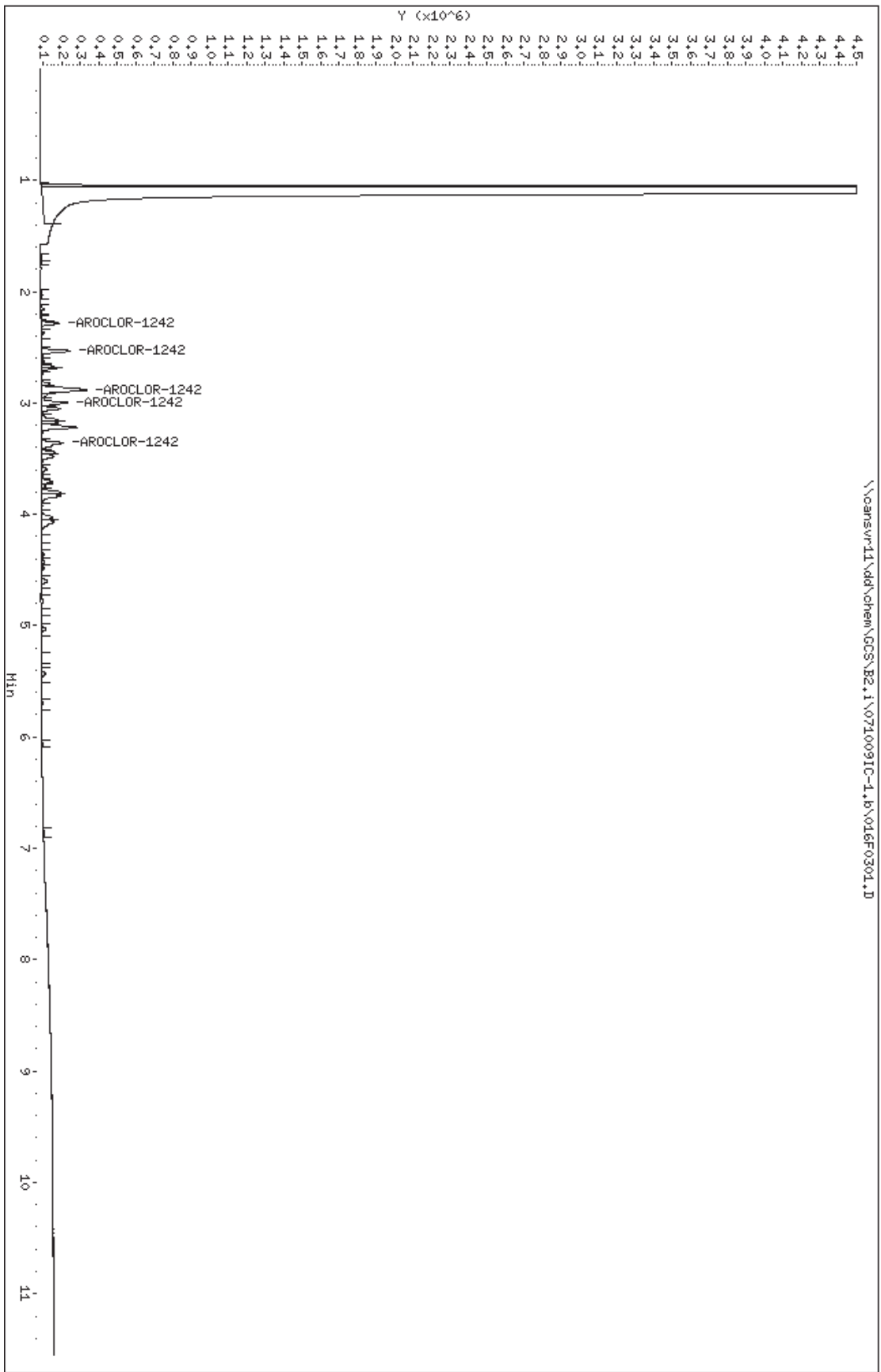
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 11:57
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,2
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:08 Cal File: 028F2801.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
			RESPONSE (ng)	(ng)			
=====	=====	=====	=====	=====	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.286	2.286	0.000	150790	0.20000	0.07807	75.00- 125.00	100.00
2.533	2.533	0.000	293903	0.20000	0.07914	148.91- 248.19	194.91
2.886	2.886	0.000	602572	0.20000	0.07043	323.40- 539.00	399.61
2.997	2.997	0.000	280427	0.20000	0.07734	144.54- 240.90	185.97
3.359	3.359	0.000	280910	0.20000	0.07340	174.04- 290.06	186.29
Average of Peak Amounts =				0.07568			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\016F0301.D
Date : 09-OCT-2007 11:57
Client ID:
Sample Info: 1242,1,2
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
 Report Date: 09-Oct-2007 12:37

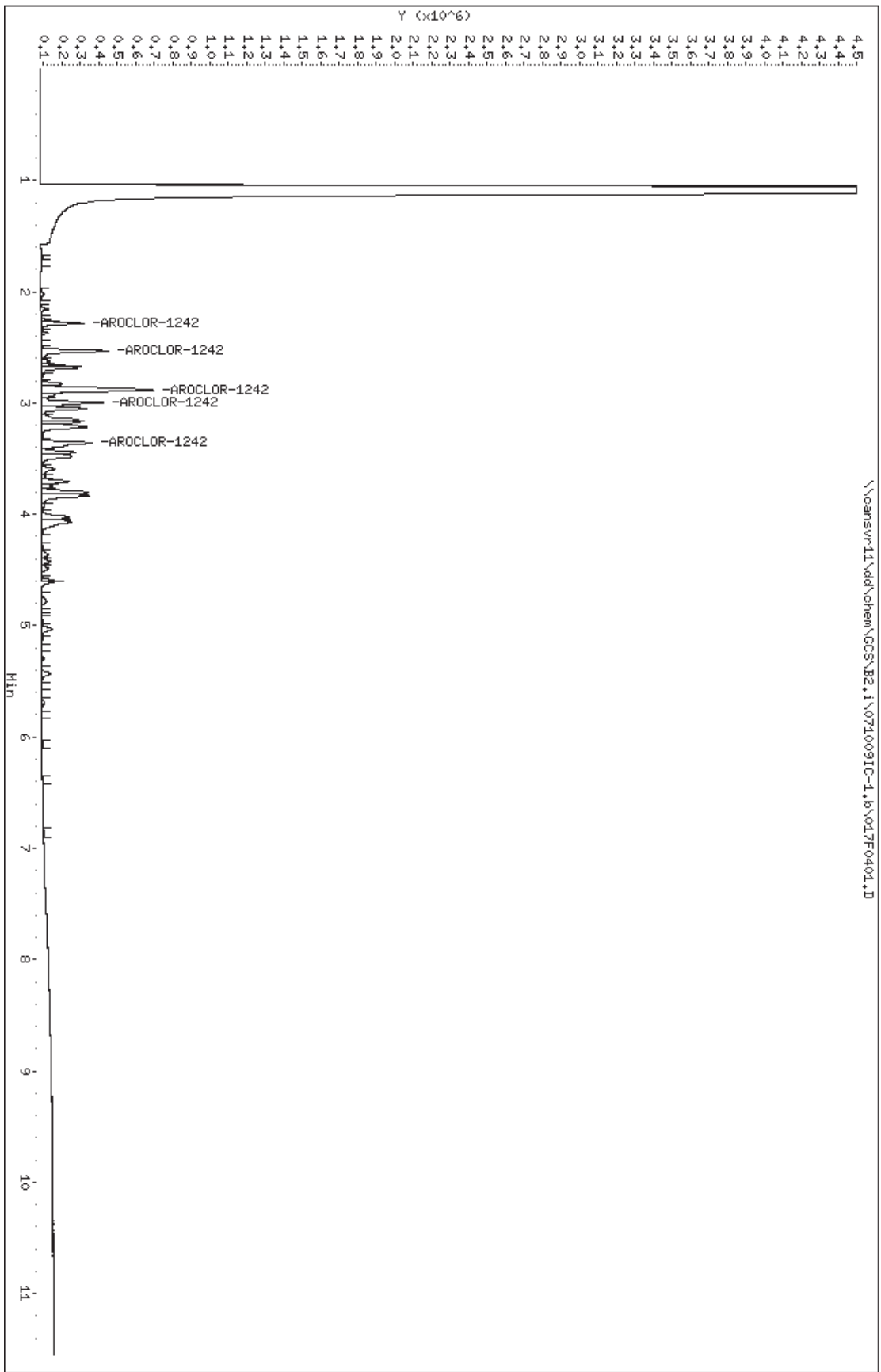
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
 Lab Smp Id: 1242
 Inj Date : 09-OCT-2007 12:11
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1242,,1,3
 Misc Info : 2-ar1242.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 12:37 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:22 Cal File: 029F2901.D
 Als bottle: 17 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-ar1242.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242				CAS #: 53469-21-9			
2.285	2.285	0.000	349197 0.50000	0.4388	75.00- 125.00	100.00	
2.532	2.532	0.000	671331 0.50000	0.4547	148.91- 248.19	192.25	
2.885	2.885	0.000	1433549 0.50000	0.4467	323.40- 539.00	410.53	
2.996	2.996	0.000	652794 0.50000	0.4671	144.54- 240.90	186.94	
3.358	3.358	0.000	645208 0.50000	0.4337	174.04- 290.06	184.77	
Average of Peak Amounts =				0.44820			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.6\017F0401.D
Date : 09-OCT-2007 12:11
Client ID:
Sample Info: 1242,1,3
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Report Date: 09-Oct-2007 12:46

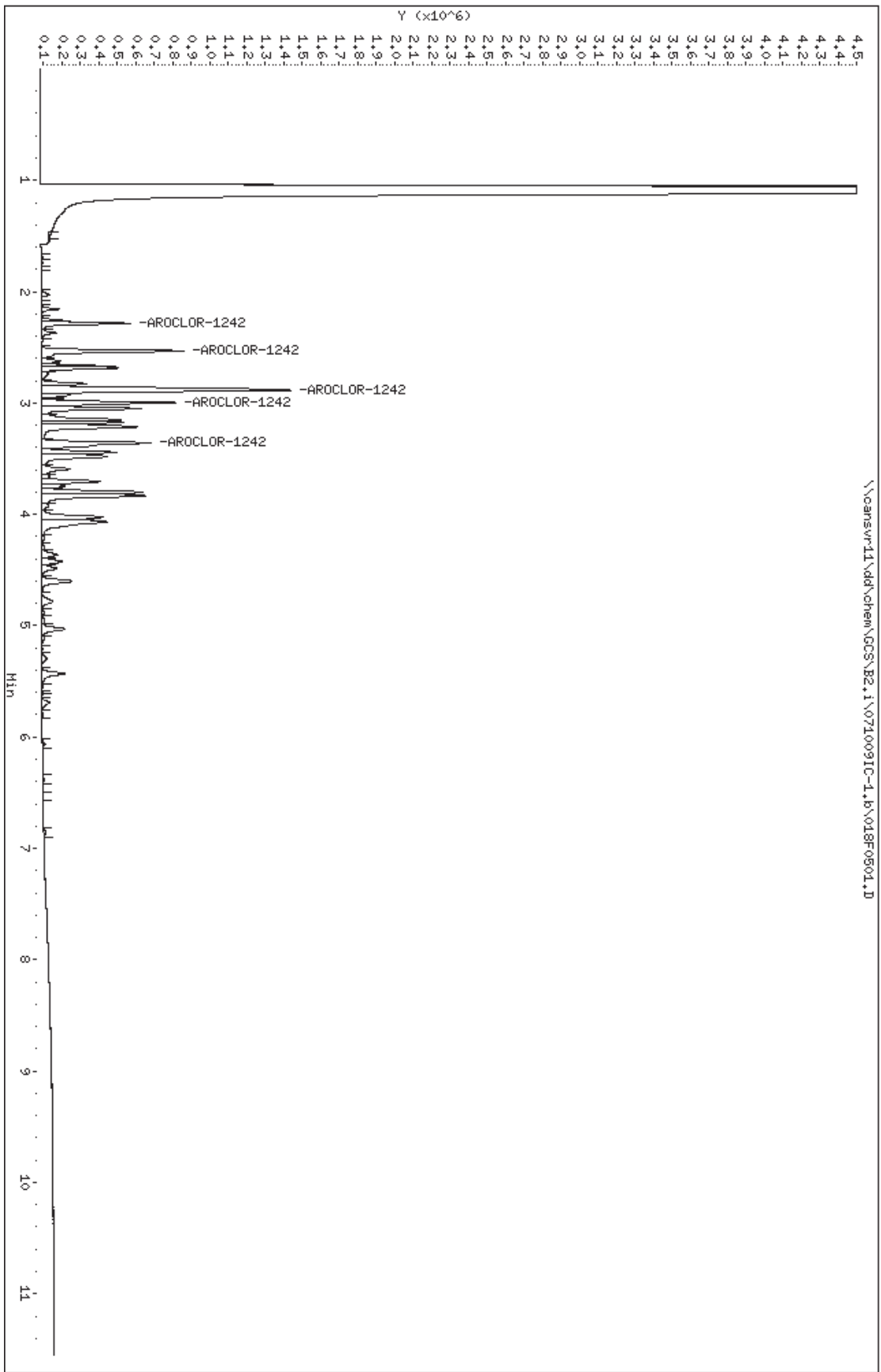
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:26
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,4
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 12:46 target Quant Type: ESTD
Cal Date : 08-OCT-2007 19:36 Cal File: 030F3001.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
2.286	2.286	0.000	722505 1.00000	0.9276	80.00- 120.00	100.00	
2.532	2.532	0.000	1406638 1.00000	0.9779	146.02- 243.36	194.69	
2.885	2.885	0.000	3146597 1.00000	0.9861	326.63- 544.39	435.51	
2.996	2.996	0.000	1345801 1.00000	0.9652	139.70- 232.84	186.27	
3.358	3.358	0.000	1380697 1.00000	0.9866	143.32- 238.87	191.10	
Average of Peak Amounts =				0.96868			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.1\018F0501.D
Date : 09-OCT-2007 12:26
Client ID:
Sample Info: 1242,1,4
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
 Report Date: 09-Oct-2007 12:55

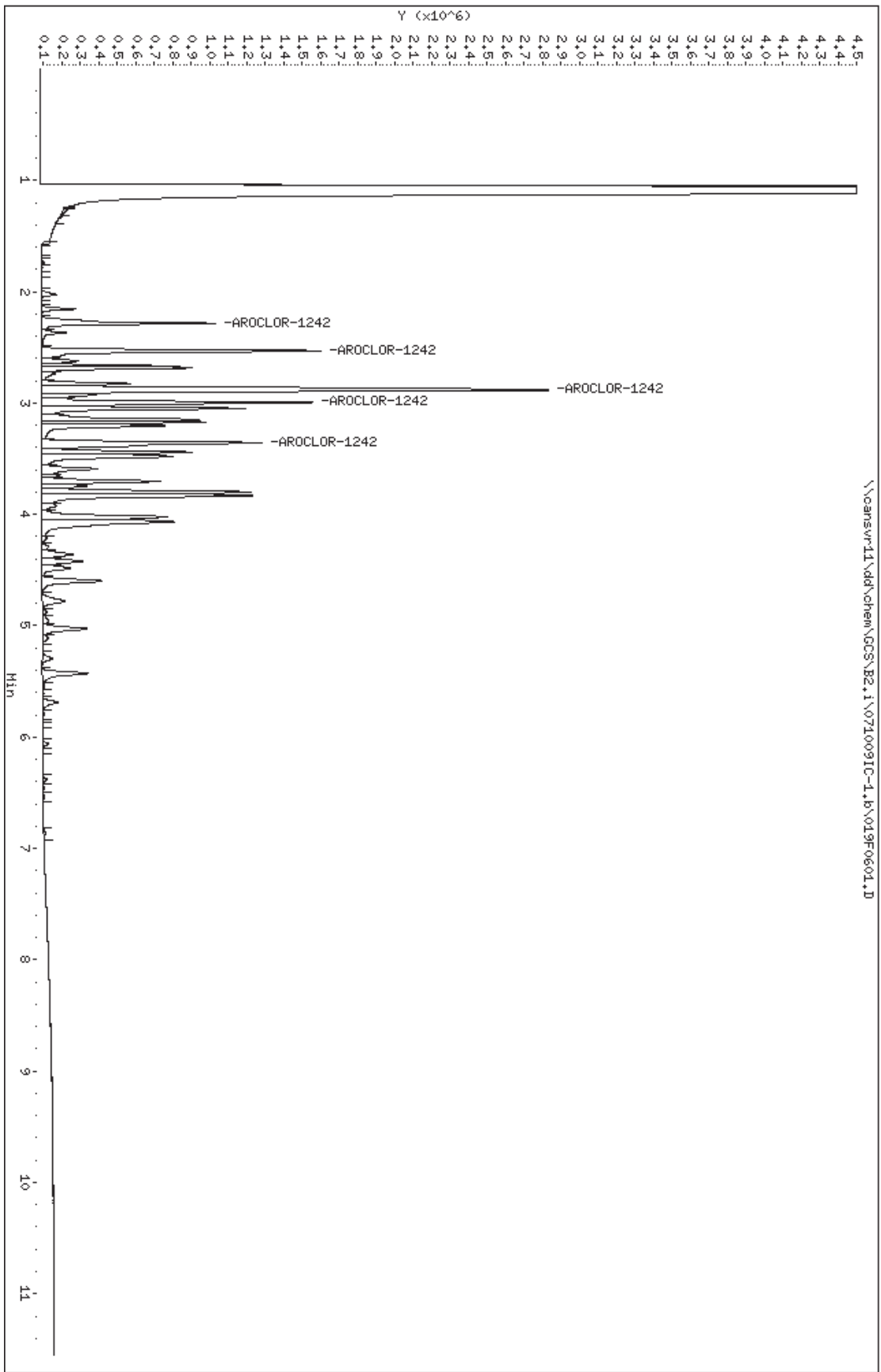
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
 Lab Smp Id: 1242
 Inj Date : 09-OCT-2007 12:40
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1242,,1,5
 Misc Info : 2-ar1242.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
 Meth Date : 09-Oct-2007 12:55 target Quant Type: ESTD
 Cal Date : 08-OCT-2007 19:50 Cal File: 031F3101.D
 Als bottle: 19 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-ar1242.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	
5 AROCLOR-1242			CAS #: 53469-21-9				
2.285	2.285	0.000	1638422	2.00000	2.135 75.00- 125.00	100.00	
2.531	2.531	0.000	2769931	2.00000	1.949 146.02- 243.36	169.06	
2.884	2.884	0.000	6349766	2.00000	2.019 326.63- 544.39	387.55	
2.995	2.995	0.000	2777777	2.00000	2.019 139.70- 232.84	169.54	
3.356	3.356	0.000	2750752	2.00000	1.992 143.32- 238.87	167.89	
Average of Peak Amounts =			2.02280				

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\019F0601.D
Date : 09-OCT-2007 12:40
Client ID:
Sample Info: 1242,1,5
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File: \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
Report Date: 09-Oct-2007 13:10

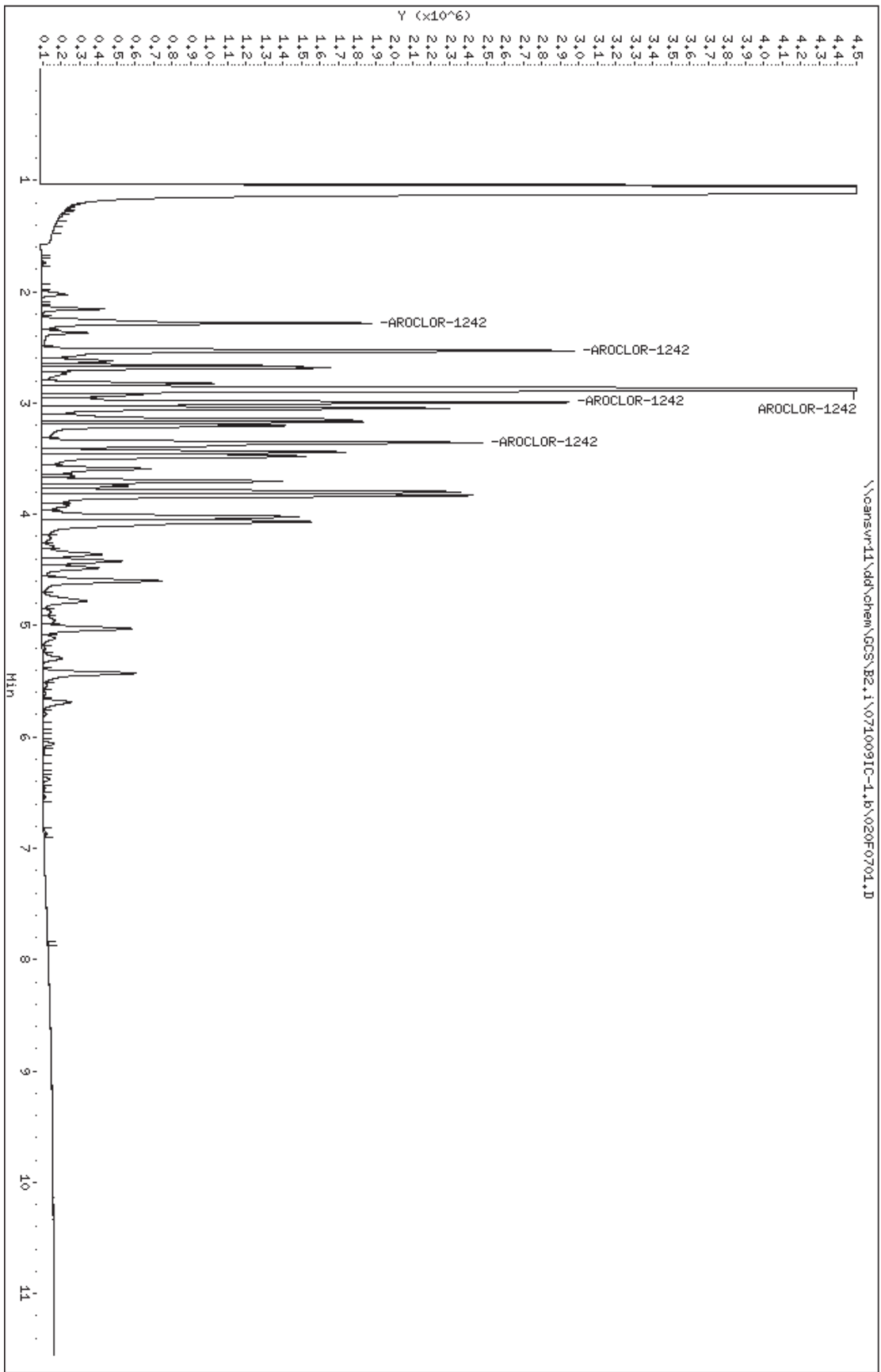
STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
Lab Smp Id: 1242
Inj Date : 09-OCT-2007 12:54
Operator : 402338 Inst ID: B2.i
Smp Info : 1242,,1,6
Misc Info : 2-ar1242.sub
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071009IC-1.b\B2PCBF.m
Meth Date : 09-Oct-2007 13:10 target Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 20 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-ar1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	=====
5 AROCLOR-1242			CAS #: 53469-21-9				
2.284	2.284	0.000	3108162	4.00000	4.040 75.00- 125.00	100.00	
2.531	2.531	0.000	5282303	4.00000	3.803 146.02- 243.36	169.95	
2.884	2.884	0.000	12531967	4.00000	4.084 326.63- 544.39	403.20	
2.994	2.994	0.000	5407955	4.00000	4.000 139.70- 232.84	173.99	
3.356	3.356	0.000	5431624	4.00000	4.031 143.32- 238.87	174.75	
Average of Peak Amounts =				3.99160			

Data File: \\cansvr11\dd\chem\GCS\B2.1\0710091C-1.b\020F0701.D
Date : 09-OCT-2007 12:54
Client ID:
Sample Info: 1242,1,6
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA-NORTH CANTON Contract:

Lab Code: TALCAN Case No.: SAS No.: SDG No.: A7J290198

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 10/08/07 10/09/07

Instrument ID: B2

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION	
S1 : 2.06	S2 : 8.07

CLIENT	LAB	DATE	TIME	S1	S2
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #
01					
02	J94EXBLK	10/29/07	1855	2.06	8.07
03	J94EXCHK	10/29/07	1909	2.06	8.07
04	J94EXCKDUP	10/29/07	1924	2.06	8.07
05	S-389-102907	10/29/07	2035	2.06	8.07
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

QC LIMITS
(+/- 0.10 MINUTES)

S1 = TCMX
S2 = DCB

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

Calibration History

Method : \\CANSVR11\DD\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Start Cal Date: 08-OCT-2007 12:59
 End Cal Date : 09-OCT-2007 12:54
 Last Cal Level: 6
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
08-OCT-2007 18:53	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\027F2701.D
08-OCT-2007 17:29	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\021F2101.D
09-OCT-2007 11:43	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\015F0201.D
08-OCT-2007 14:38	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\009F0901.D
08-OCT-2007 12:59	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\002F0201.D
Cal Level: 2 , Cal Amount: 0.20000		
08-OCT-2007 19:08	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\028F2801.D
08-OCT-2007 17:43	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\022F2201.D
09-OCT-2007 11:57	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\016F0301.D
08-OCT-2007 14:53	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\010F1001.D
08-OCT-2007 13:13	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\003F0301.D
Cal Level: 3 , Cal Amount: 0.50000		
08-OCT-2007 19:22	19-ar2154	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\029F2901.D
08-OCT-2007 17:57	13-ar1248	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\023F2301.D
09-OCT-2007 12:11	12-ar1242	\\canpmob1\chem\GCS\B2.i\071009IC-1.b\017F0401.D
08-OCT-2007 15:07	11-ar1232	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\011F1101.D
08-OCT-2007 13:27	12-ar1660td	\\canpmob1\chem\GCS\B2.i\071008IC-1.b\004F0401.D
Cal Level: 4 , Cal Amount: 1.00000		

```
08-OCT-2007 19:36 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\030F3001.D
08-OCT-2007 18:11 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\024F2401.D
09-OCT-2007 12:26 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\018F0501.D
08-OCT-2007 15:21 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\012F1201.D
08-OCT-2007 13:42 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\005F0501.D
-----+-----+-----
```

```
-----+-----+-----
Cal Level: 5 , Cal Amount: 2.00000
-----+-----+-----
```

```
08-OCT-2007 19:50 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\031F3101.D
08-OCT-2007 18:25 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\025F2501.D
09-OCT-2007 12:40 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\019F0601.D
08-OCT-2007 15:35 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\013F1301.D
08-OCT-2007 13:56 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\006F0601.D
-----+-----+-----
```

```
-----+-----+-----
Cal Level: 6 , Cal Amount: 4.00000
-----+-----+-----
```

```
08-OCT-2007 20:04 |9-ar2154 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\032F3201.D
08-OCT-2007 18:39 |3-ar1248 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\026F2601.D
09-OCT-2007 12:54 |2-ar1242 |
\\canpmob1\chem\GCS\B2.i\071009IC-1.b\020F0701.D
08-OCT-2007 15:49 |1-ar1232 |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\014F1401.D
08-OCT-2007 14:10 |12-ar1660td |
\\canpmob1\chem\GCS\B2.i\071008IC-1.b\007F0701.D
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Continuing Calibration
Cal Level Mode: GLOBAL LEVEL 4
-----+-----+-----
```

```
29-OCT-2007 21:45 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
29-OCT-2007 18:41 |12-Ar1660td |
\\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
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Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Report Date: 30-Oct-2007 08:17

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 29-OCT-2007 18:41
 Lab File ID: 002F0201.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX RRF	%D / %DRIFT	CURVE TYPE
1 TCMX	42856924	42529800	0.010	0.76329	15.00000		Averaged
3 AROCLOR-1016 (1)	697142	655043	0.010	6.03880	15.00000		Averaged
(2)	1484366	1366333	0.010	7.95176	15.00000		Averaged
(3)	3293976	3094657	0.010	6.05102	15.00000		Averaged
(4)	1409531	1308817	0.010	7.14523	15.00000		Averaged
(5)	1399558	1294708	0.010	7.49163	15.00000		Averaged
8 AROCLOR-1260 (1)	2131421	1965564	0.010	7.78154	15.00000		Averaged
(2)	3330972	3097962	0.010	6.99526	15.00000		Averaged
(3)	3803154	3670085	0.010	3.49891	15.00000		Averaged
(4)	4181121	3993802	0.010	4.48011	15.00000		Averaged
(5)	2389695	2216972	0.010	7.22783	15.00000		Averaged
9 DCB	41849260	39987470	0.010	4.44880	15.00000		Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Report Date: 30-Oct-2007 08:17

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\002F0201.D
 Lab Smp Id: 1660
 Inj Date : 29-OCT-2007 18:41
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.058	2.058	0.000	4252980	0.10000	0.09924		

3	AROCLOR-1016				CAS #: 12674-11-2		
2.283	2.283	0.000	655043	1.00000	0.9396	80.00-	120.00
2.529	2.529	0.000	1366333	1.00000	0.9205	156.44-	260.73
2.881	2.881	0.000	3094657	1.00000	0.9395	354.33-	590.54
2.993	2.993	0.000	1308817	1.00000	0.9285	149.85-	249.76
3.354	3.354	0.000	1294708	1.00000	0.9251	148.24-	247.07
Average of Peak Amounts =			0.93064				

8	AROCLOR-1260				CAS #: 11096-82-5		
4.873	4.873	0.000	1965564	1.00000	0.9222	80.00-	120.00
5.288	5.288	0.000	3097962	1.00000	0.9300	118.21-	197.01
5.682	5.682	0.000	3670085	1.00000	0.9650	140.04-	233.40
6.533	6.533	0.000	3993802	1.00000	0.9552	152.39-	253.99
6.863	6.863	0.000	2216972	1.00000	0.9277	84.59-	140.99
Average of Peak Amounts =			0.94002				

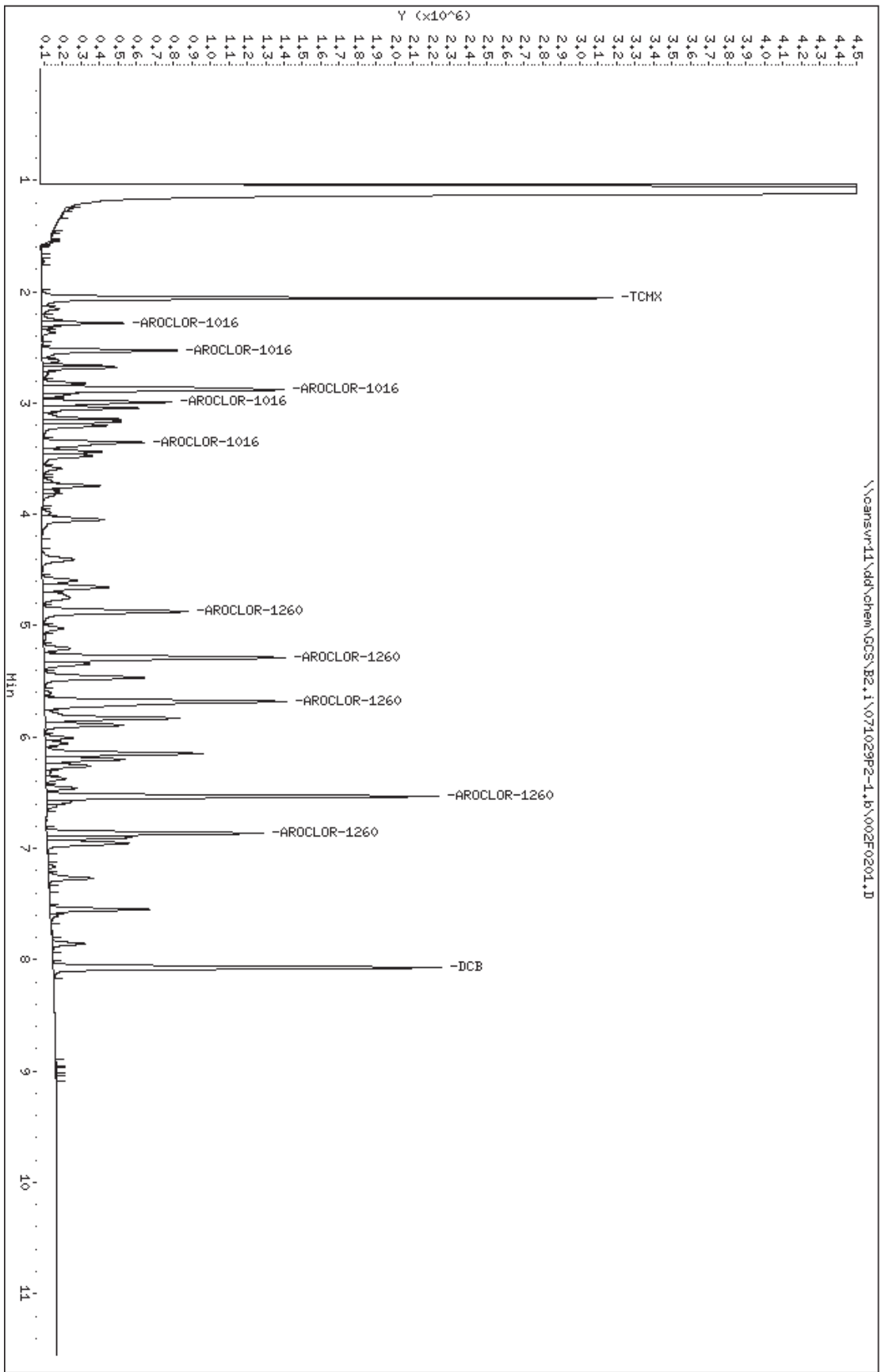
\$ 9	DCB				CAS #: 2051-24-3		
8.071	8.071	0.000	3998747	0.10000	0.09555		

QC Flag Legend

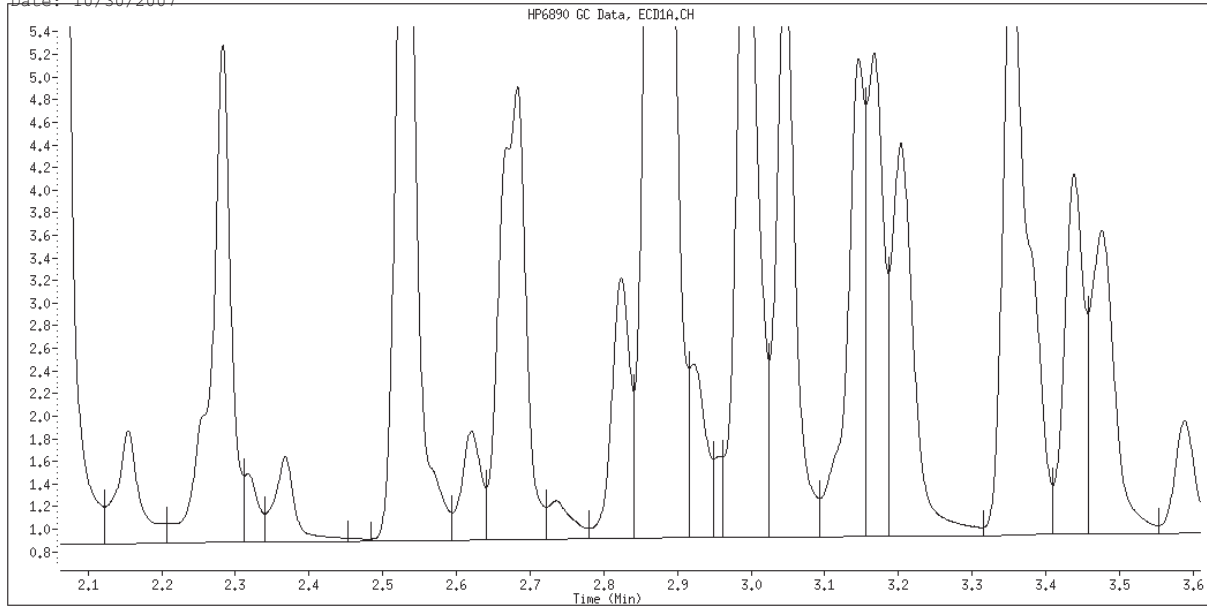
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\002F0201.D
 Date: 29-OCT-2007 18:44
 Client ID:
 Sample Info: 1660,2
 Column phase: restek pest c1p1

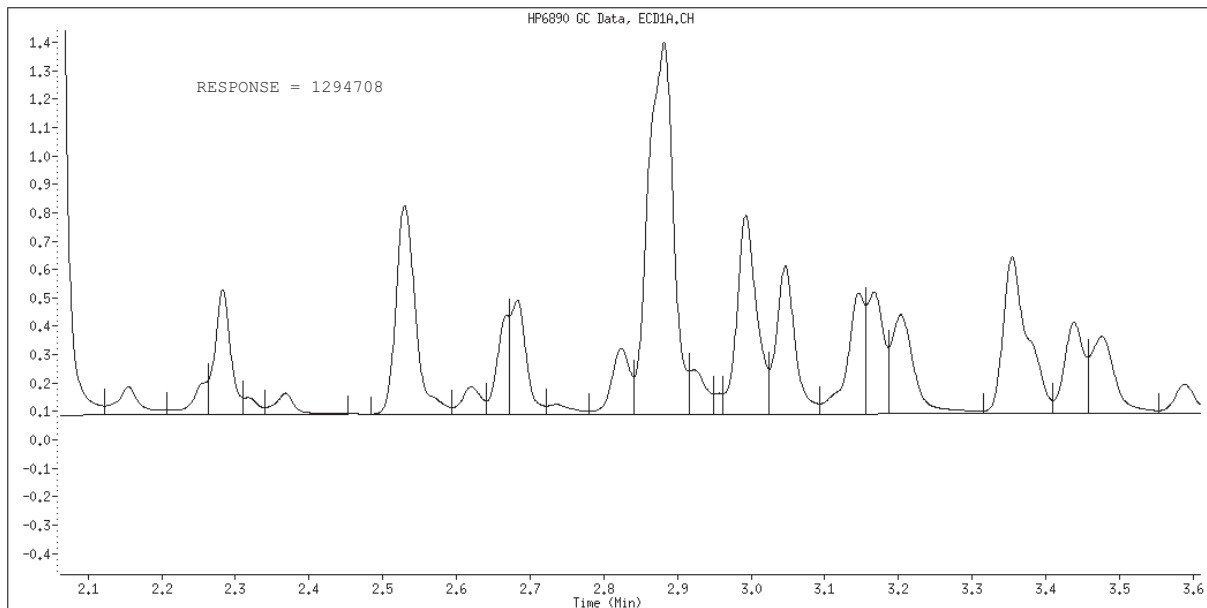
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 002F0201.D
Inj. Date and Time: 29-OCT-2007 18:41
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Report Date: 30-Oct-2007 08:22

STL - North Canton Mobile Lab

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B2.i Injection Date: 29-OCT-2007 21:45
 Lab File ID: 015F1501.D Init. Cal. Date(s): 08-OCT-2007 09-OCT-2007
 Analysis Type: Init. Cal. Times: 12:59 12:54
 Lab Sample ID: 1660 Quant Type: ESTD
 Method: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN	MAX	CURVE TYPE	
			RRF	%D / %DRIFT	%D / %DRIFT	
1 TCMX	42856924	46547740	0.010	-8.61195	15.00000	Averaged
AROCLOR-1016 (1)	697142	714493	0.010	-2.48888	15.00000	Averaged
(2)	1484366	1486905	0.010	-0.17104	15.00000	Averaged
(3)	3293976	3387138	0.010	-2.82825	15.00000	Averaged
(4)	1409531	1440024	0.010	-2.16333	15.00000	Averaged
(5)	1399558	1408270	0.010	-0.62251	15.00000	Averaged
AROCLOR-1260 (1)	2131421	2135926	0.010	-0.21134	15.00000	Averaged
(2)	3330972	3382786	0.010	-1.55552	15.00000	Averaged
(3)	3803154	4008320	0.010	-5.39463	15.00000	Averaged
(4)	4181121	4339328	0.010	-3.78384	15.00000	Averaged
(5)	2389695	2425887	0.010	-1.51450	15.00000	Averaged
9 DCB	41849260	43562270	0.010	-4.09329	15.00000	Averaged

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Report Date: 30-Oct-2007 08:22

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\015F1501.D
 Lab Smp Id: 1660
 Inj Date : 29-OCT-2007 21:45
 Operator : 402338 Inst ID: B2.i
 Smp Info : 1660,,2
 Misc Info : 12-Ar1660td.sub
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 15 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-Ar1660td.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: CANPMOB1

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
=====	=====	=====	RESPONSE (ng)	(ng)	=====	=====	

\$ 1	TCMX				CAS #: 877-09-8		
2.057	2.057	0.000	4654774	0.10000	0.1086		

3 AROCLOR-1016 CAS #: 12674-11-2							
2.280	2.280	0.000	714493	1.00000	1.025 80.00- 120.00	100.00 (M)	
2.527	2.527	0.000	1486905	1.00000	1.002 156.08- 260.13	208.11	
2.878	2.878	0.000	3387138	1.00000	1.028 355.55- 592.58	474.06	
2.989	2.989	0.000	1440024	1.00000	1.022 151.16- 251.93	201.54	
3.350	3.350	0.000	1408270	1.00000	1.006 147.83- 246.38	197.10	
Average of Peak Amounts =			1.01660				

8 AROCLOR-1260 CAS #: 11096-82-5							
4.867	4.867	0.000	2135926	1.00000	1.002 80.00- 120.00	100.00	
5.282	5.282	0.000	3382786	1.00000	1.016 118.78- 197.97	158.38	
5.677	5.677	0.000	4008320	1.00000	1.054 140.75- 234.58	187.66	
6.528	6.528	0.000	4339328	1.00000	1.038 152.37- 253.95	203.16	
6.860	6.860	0.000	2425887	1.00000	1.015 85.18- 141.97	113.58	
Average of Peak Amounts =			1.02500				

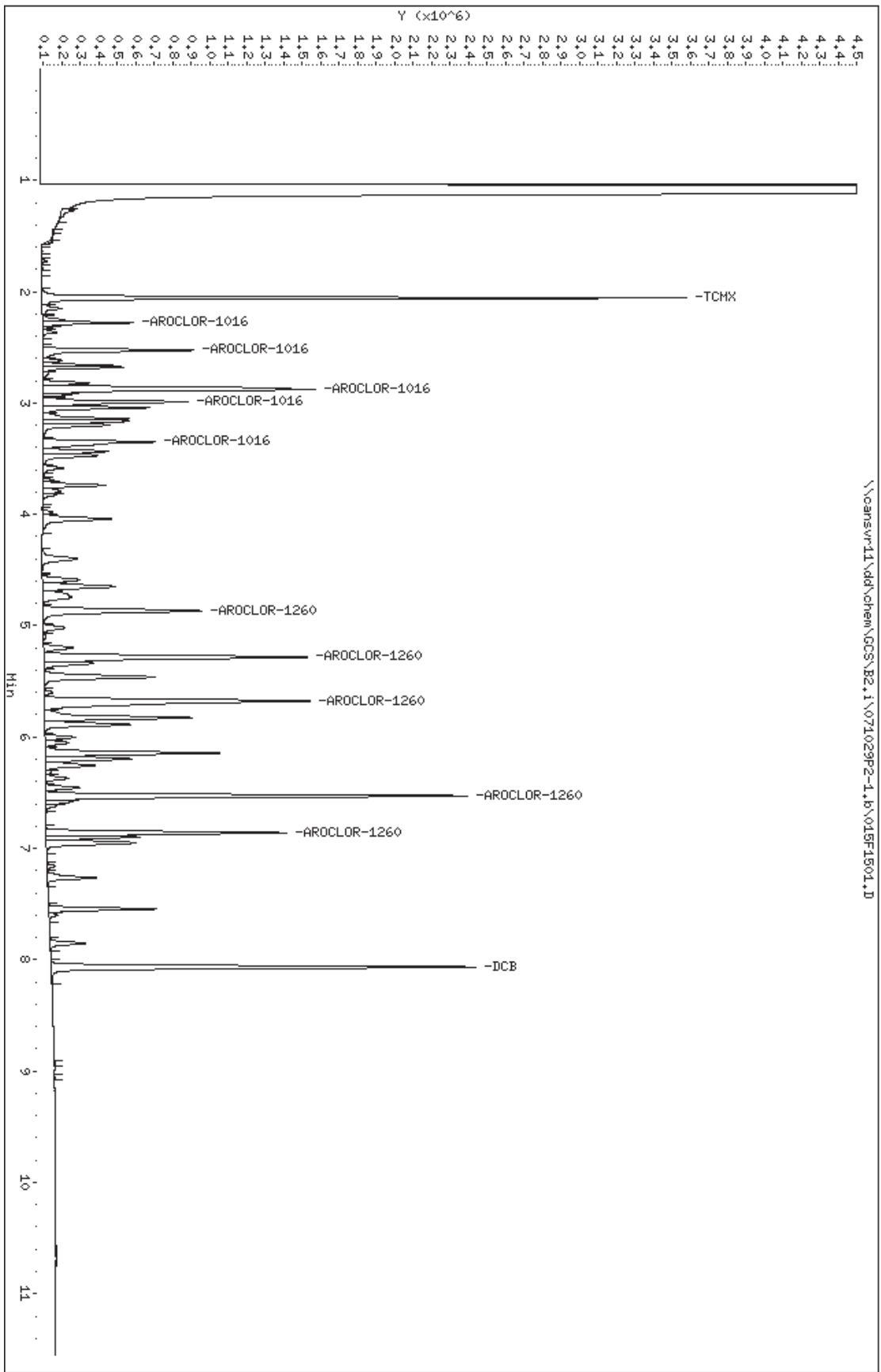
\$ 9	DCB				CAS #: 2051-24-3		
8.066	8.066	0.000	4356227	0.10000	0.1041		

QC Flag Legend

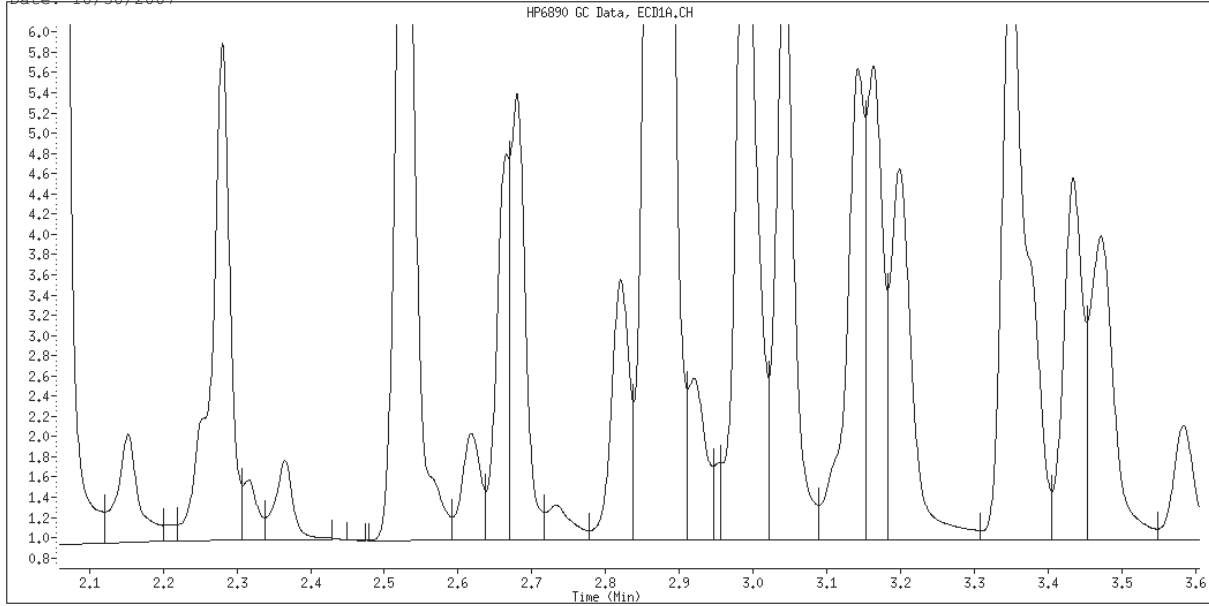
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCs\B2.1\071029P2-1.b\01SF1501.D
Date: 29-OCT-2007 21:45
Client ID:
Sample Info: 1660,2
Column phase: restek pest c1p1

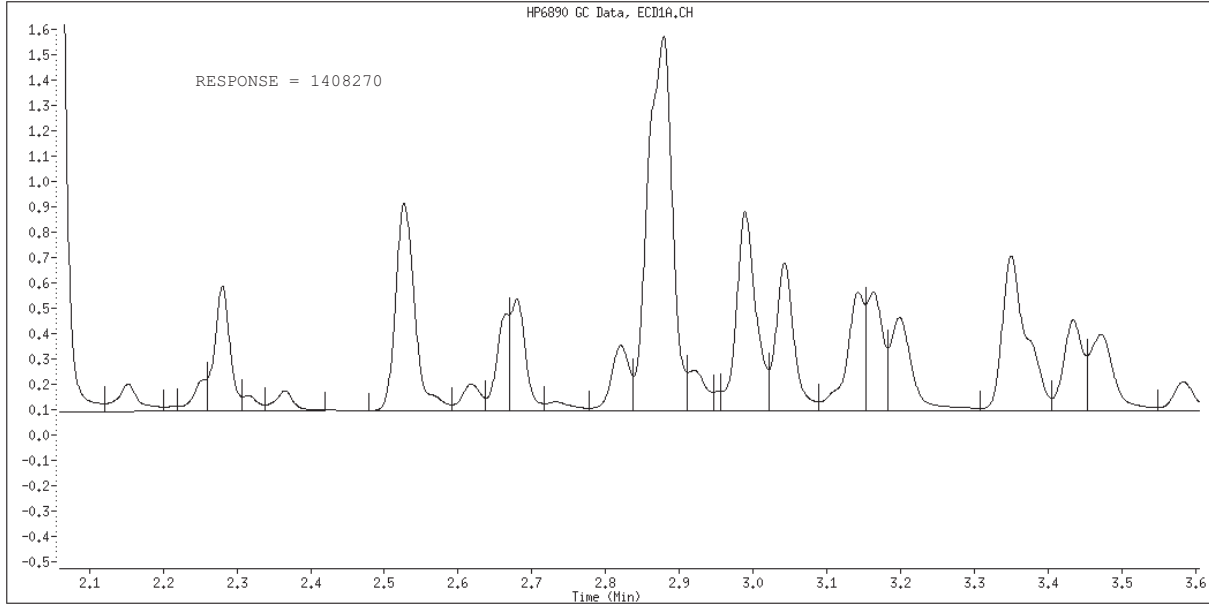
Instrument: B2.i
Operator: 402338
Column diameter: 0.53



Data File Name: 015F1501.D
Inj. Date and Time: 29-OCT-2007 21:45
Instrument ID: B2.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Split Peak

RAW QC DATA

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: A7J290198 Work Order #....: J94EX1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7J290000-599 J94EX1AD-LCSD
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	330	310	ug/kg	93		SW846 PCBs (8082)
	330	300	ug/kg	90	3.1	SW846 PCBs (8082)
Aroclor 1260	330	350	ug/kg	105		SW846 PCBs (8082)
	330	340	ug/kg	102	2.0	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	83	(10 - 196)
	82	(10 - 196)
Decachlorobiphenyl	112	(10 - 199)
	115	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: A7J290198 Work Order #....: J94EX1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A7J290000-599 J94EX1AD-LCSD
 Prep Date.....: 10/29/07 Analysis Date...: 10/29/07
 Prep Batch #....: 7302599
 Dilution Factor: 1 Final Wgt/Vol...: 10 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	93	(34 - 127)			SW846 PCBs (8082)
	90	(34 - 127)	3.1	(0-30)	SW846 PCBs (8082)
Aroclor 1260	105	(32 - 141)			SW846 PCBs (8082)
	102	(32 - 141)	2.0	(0-30)	SW846 PCBs (8082)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	83	(10 - 196)
	82	(10 - 196)
Decachlorobiphenyl	112	(10 - 199)
	115	(10 - 199)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Lab Smp Id: J94EX1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:09
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
\$ 1 TCMX				CAS #: 877-09-8			
2.058	2.058	0.000		1780300	0.04154	13.85	(M)
3 AROCLOR-1016				CAS #: 12674-11-2			
2.282	2.283	-0.001		724516	1.03927	346.4 80.00- 120.00	100.00 (M)
2.528	2.529	-0.001		1246945	0.84005	280.0 156.44- 260.73	172.11
2.881	2.881	0.000		2942139	0.89319	297.7 354.33- 590.54	406.08
2.992	2.993	-0.001		1321687	0.93768	312.6 149.85- 249.76	182.42
3.353	3.354	-0.001		1295317	0.92552	308.5 148.24- 247.07	178.78
Average of Peak Concentrations =					309.0		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.871	4.873	-0.002		2138937	1.00353	334.5 80.00- 120.00	100.00 (M)
5.286	5.288	-0.002		3416831	1.02578	341.9 118.21- 197.01	159.74
5.679	5.682	-0.003		4086148	1.07441	358.1 140.04- 233.40	191.04
6.532	6.533	-0.001		4513462	1.07949	359.8 152.39- 253.99	211.01
6.863	6.863	0.000		2500080	1.04619	348.7 84.59- 140.99	116.88
Average of Peak Concentrations =					348.6		

\$ 9 DCB

CAS #: 2051-24-3

8.068 8.071 -0.003 2354578 0.05626 18.75

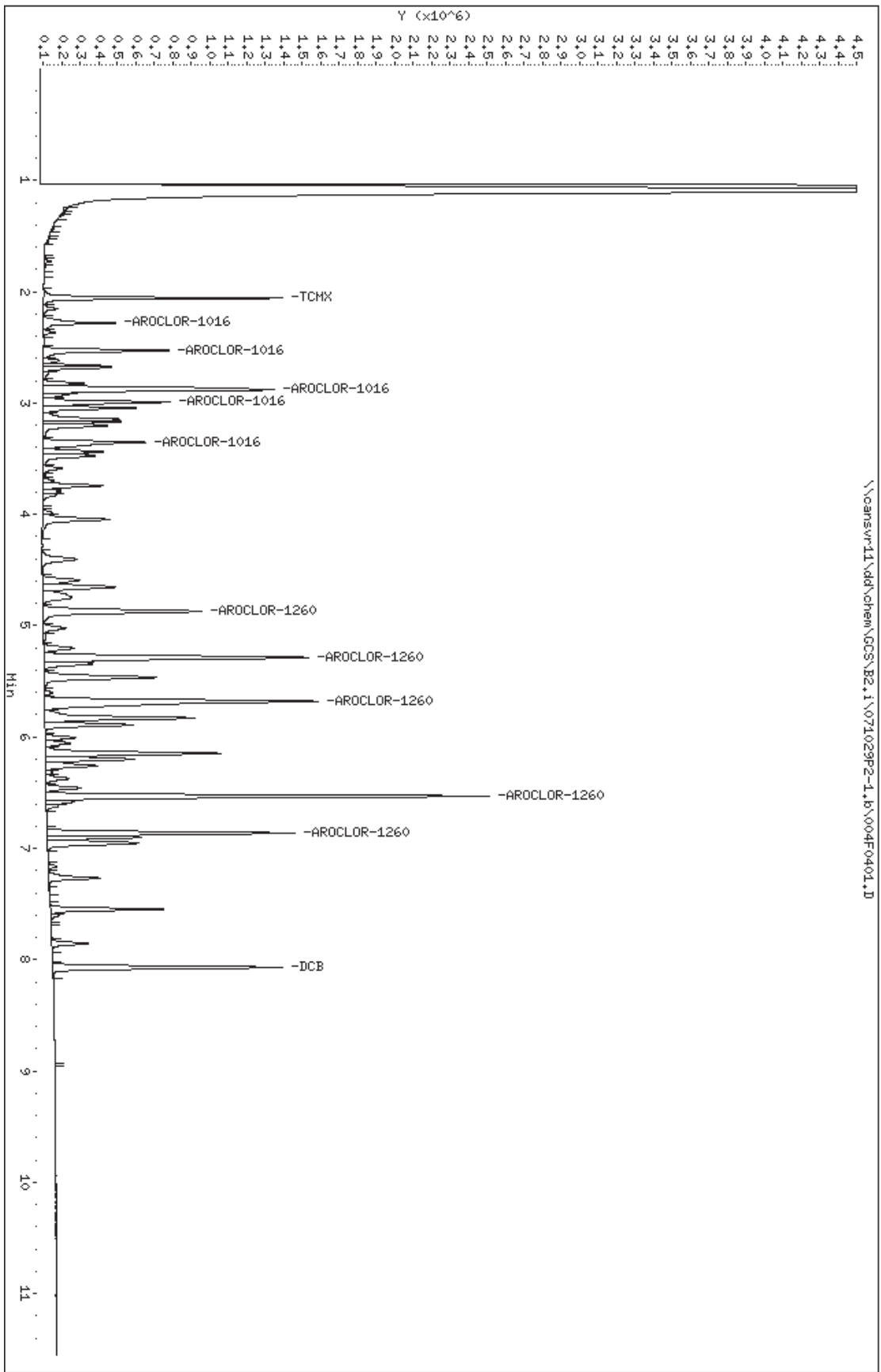
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Report Date: 30-Oct-2007 08:18

QC Flag Legend

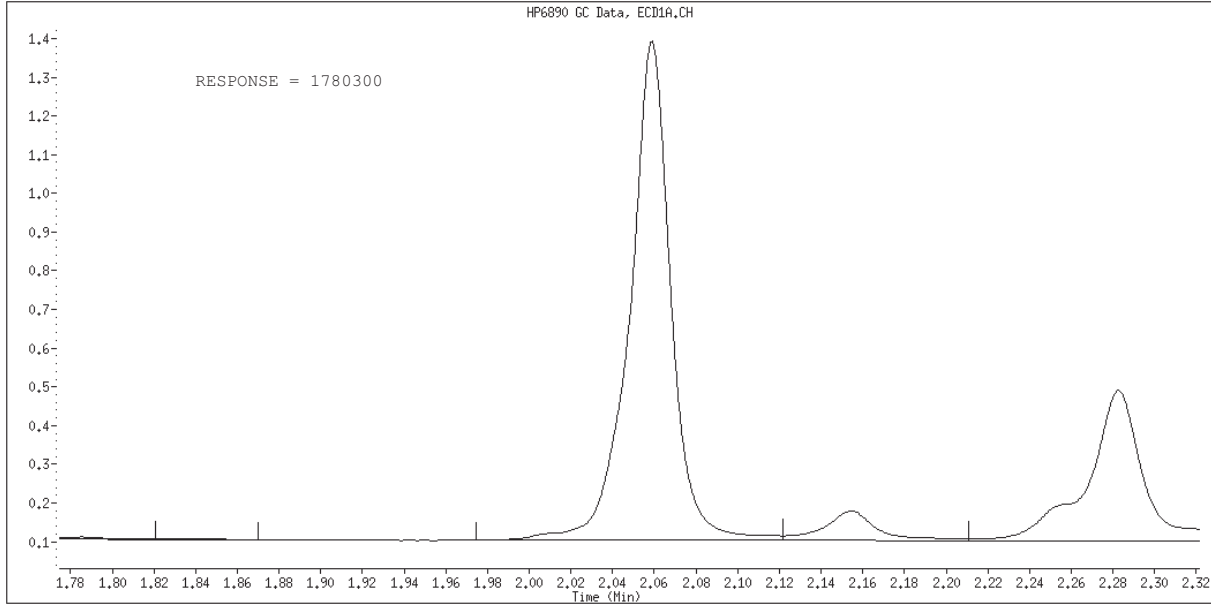
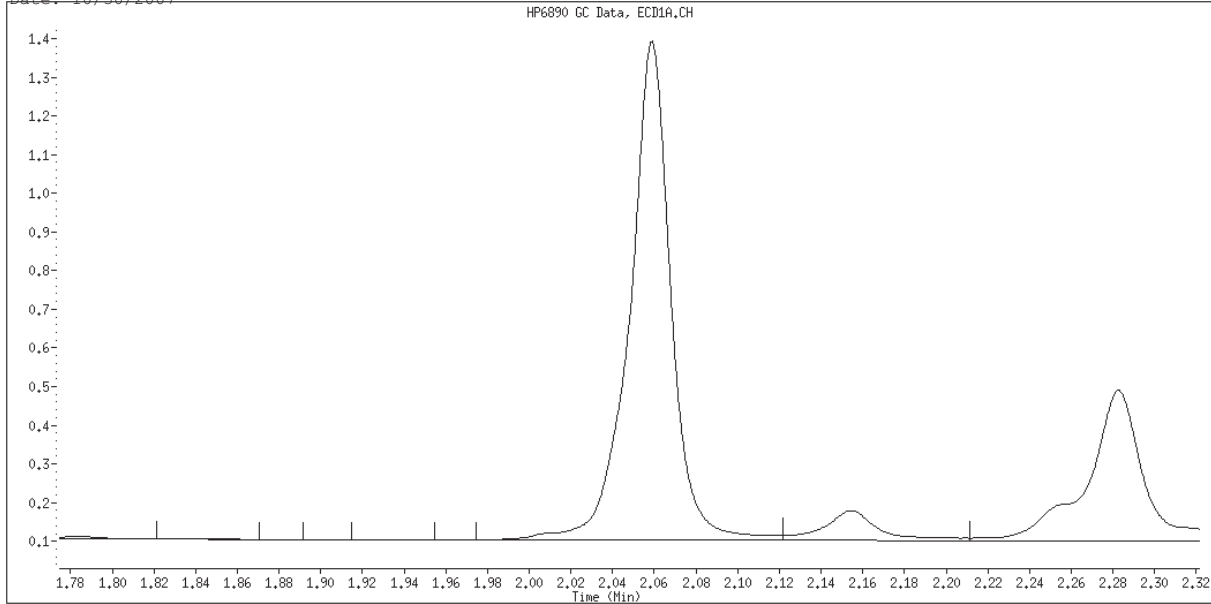
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\004F0401.D
 Date : 29-OCT-2007 19:09
 Client ID: INTRA-LAB CHECK
 Sample Info: J94EX1AC.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

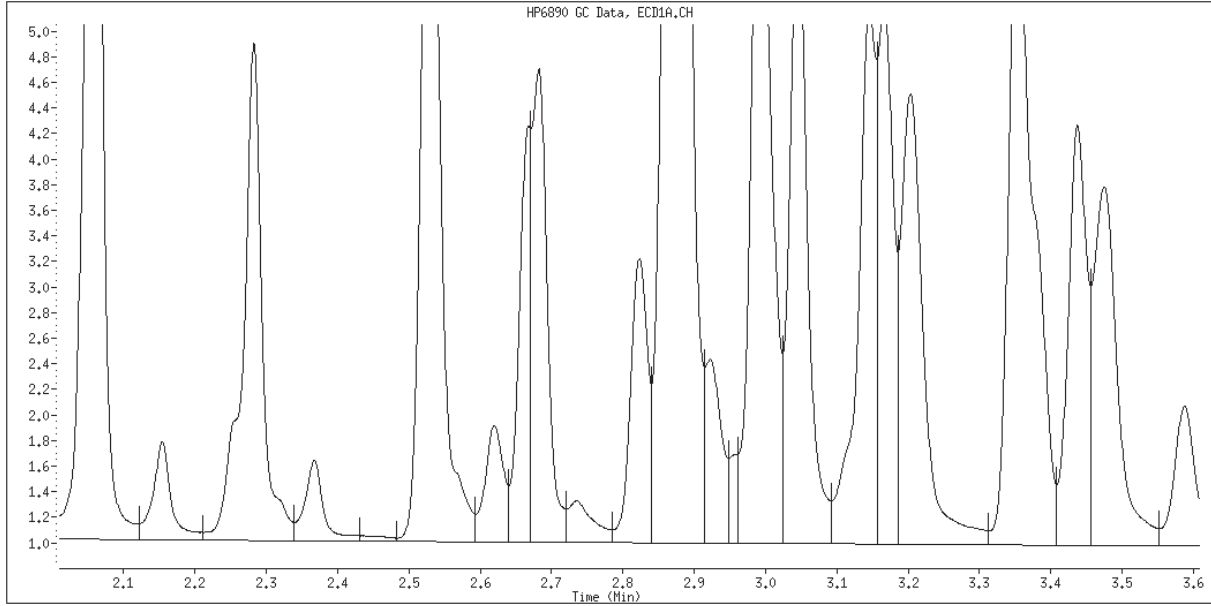
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



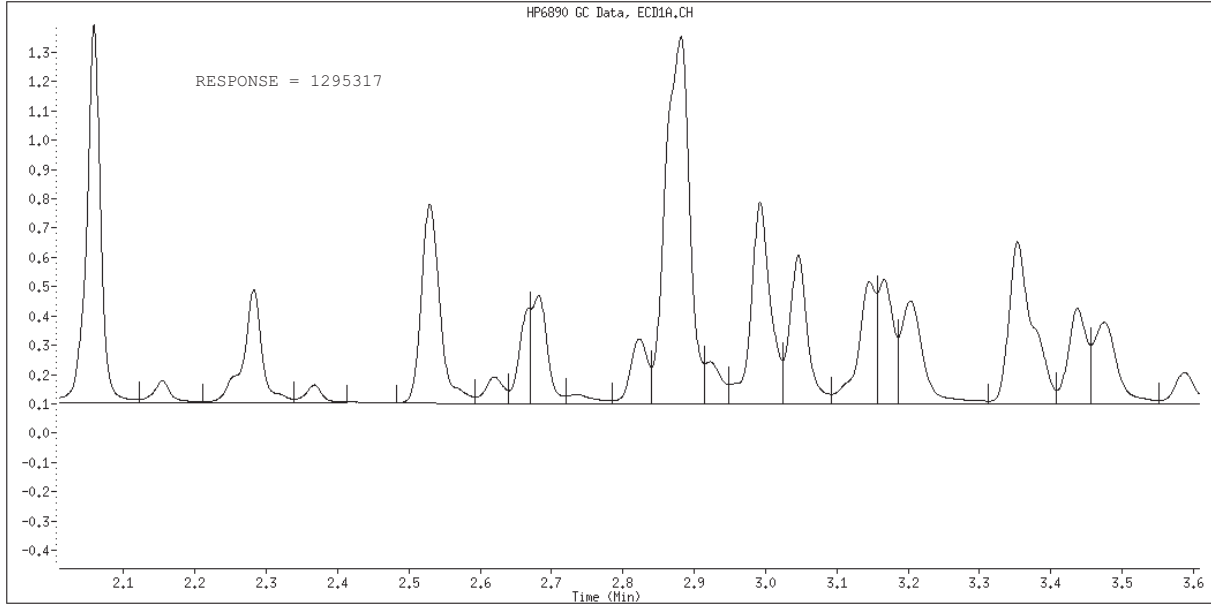
Data File Name: 004F0401.D
Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: TCMX
CAS #: 877-09-8
Report Date: 10/30/2007



Data File Name: 004F0401.D
Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



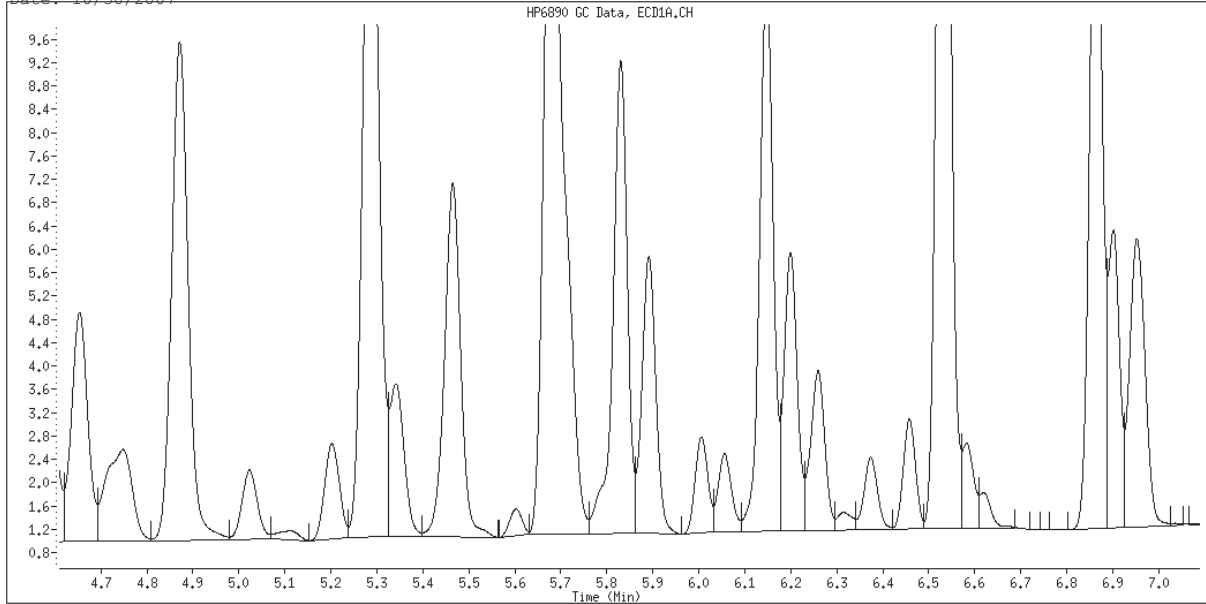
Original Integration



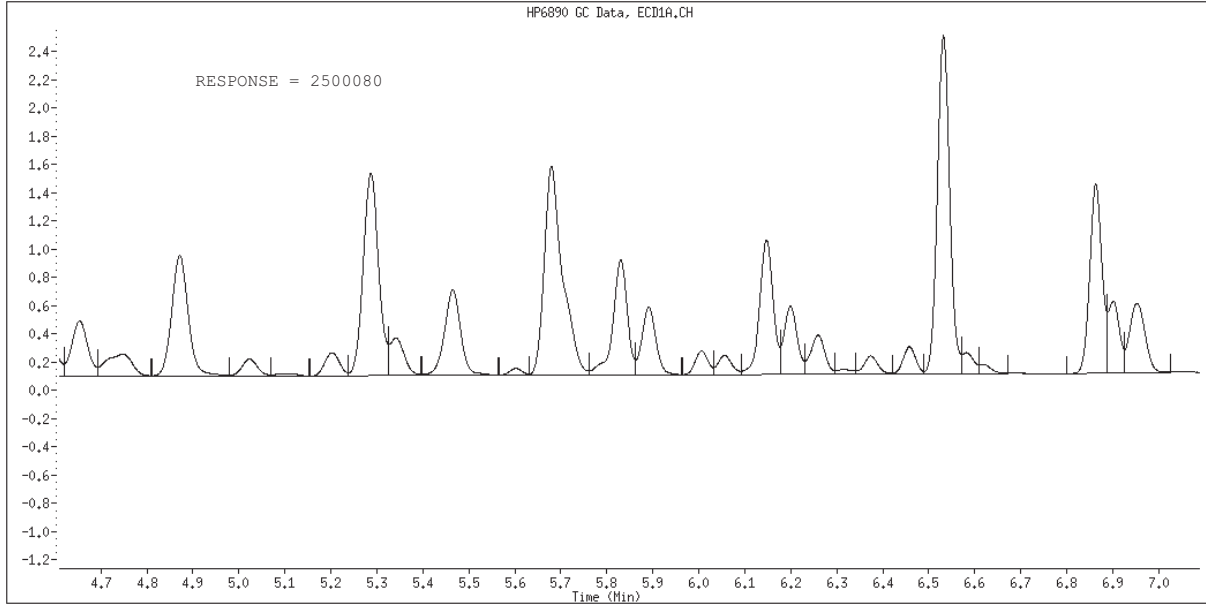
Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

Data File Name: 004F0401.D
Inj. Date and Time: 29-OCT-2007 19:09
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1260
CAS #: 11096-82-5
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Baseline Event

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Lab Smp Id: J94EX1AC Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:09
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AC,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 4 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	20686900	16676158	0.806	38.488	
1.245	41330	29101	0.704	0.067	
1.287	7813	10151	1.299	0.023	
1.312	20076	16858	0.840	0.038	
1.434	17951	12245	0.682	0.028	
1.508	14853	11312	0.762	0.026	
1.546	29197	11948	0.409	0.027	
1.687	4325	4592	1.062	0.010	
1.728	49268	36470	0.740	0.084	
1.786	8499	5352	0.630	0.012	
1.835	3063	2017	0.658	0.004	
2.059	1780300	1290258	0.725	2.975	\$ 1 TCMX
2.154	134745	75875	0.563	0.174	
2.282	724517	387430	0.535	0.893	3 AROCLOR-1016
2.367	106001	62276	0.588	0.143	
2.529	1246946	678077	0.544	1.563	3 AROCLOR-1016
2.619	162309	90167	0.556	0.207	
2.667	350955	324103	0.923	0.747	
2.683	560544	368981	0.658	0.850	
2.736	79489	31665	0.398	0.073	
2.823	374818	221061	0.590	0.509	
2.881	2942140	1252421	0.426	2.887	3 AROCLOR-1016
2.923	226759	143083	0.631	0.329	
2.992	1321687	688462	0.521	1.587	3 AROCLOR-1016
3.046	893585	506871	0.567	1.168	

•
 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\004F0401.D
 Report Date: 30-Oct-2007 08:18

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.146	730839	418070	0.572	0.964	
3.166	630370	423904	0.672	0.977	
3.203	777300	351262	0.452	0.809	
3.353	1295317	554243	0.428	1.278	3 AROCLOR-1016
3.437	602134	327592	0.544	0.755	
3.475	646960	279257	0.432	0.643	
3.587	235143	108613	0.462	0.250	
3.650	25707	14174	0.551	0.032	
3.699	98378	59614	0.606	0.137	
3.743	643379	327795	0.509	0.755	
3.795	200575	99353	0.495	0.229	
3.826	158119	75138	0.475	0.173	
3.986	101259	52484	0.518	0.121	
4.046	912066	365530	0.401	0.842	
4.403	555211	188783	0.340	0.435	
4.592	474416	202111	0.426	0.466	
4.654	969417	393411	0.406	0.907	
4.748	634823	157893	0.249	0.364	
4.871	2138938	855575	0.400	1.972	8 AROCLOR-1260
5.022	283813	119998	0.423	0.276	
5.112	44423	14361	0.323	0.033	
5.201	362908	162961	0.449	0.375	
5.286	3416832	1433263	0.419	3.304	8 AROCLOR-1260
5.341	566891	263987	0.466	0.608	
5.465	1479903	607338	0.410	1.400	
5.602	89251	46966	0.526	0.108	
5.680	4086149	1478269	0.362	3.408	8 AROCLOR-1260
5.830	1806367	813708	0.450	1.876	
5.891	1002178	477728	0.477	1.101	
6.006	324049	166819	0.515	0.384	
6.056	288919	137271	0.475	0.316	
6.147	1971511	950646	0.482	2.192	
6.200	963079	480577	0.499	1.108	
6.260	605229	278633	0.460	0.642	
6.314	77460	34710	0.448	0.080	
6.373	273352	128438	0.470	0.296	
6.458	366628	193963	0.529	0.447	
6.532	4513462	2396754	0.531	5.526	8 AROCLOR-1260
6.581	261516	150883	0.577	0.347	
6.620	116826	64814	0.555	0.149	
6.863	2500080	1338026	0.535	3.085	8 AROCLOR-1260
6.901	855296	508821	0.595	1.173	
6.953	1180566	493202	0.418	1.137	
7.163	78981	46031	0.583	0.106	
7.268	582428	279116	0.479	0.643	
7.372	12096	3956	0.327	0.009	
7.547	1068740	610980	0.572	1.408	
7.602	98181	46683	0.475	0.107	
7.681	3456	2499	0.723	0.005	
7.855	378339	195539	0.517	0.450	
8.069	2354579	1246394	0.529	2.874	\$ 9 DCB
8.941	4449	2749	0.618	0.006	
	=====	=====	=====	=====	
	75636358	43367819		100.000	

Total unknown % height = 68.65

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Lab Smp Id: J94EX1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: ESTD
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 5 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====		=====	=====	=====	=====
S 1 TCMX				CAS #: 877-09-8			
2.058	2.058	0.000		1762345	0.04112	13.71	
3 AROCLOR-1016				CAS #: 12674-11-2			
2.282	2.283	-0.001		695406	0.99751	332.5 80.00- 120.00	100.00 (M)
2.528	2.529	-0.001		1201979	0.80976	269.9 156.44- 260.73	172.85
2.882	2.881	0.001		2865860	0.87003	290.0 354.33- 590.54	412.11
2.992	2.993	-0.001		1291083	0.91597	305.3 149.85- 249.76	185.66
3.352	3.354	-0.002		1258940	0.89953	299.8 148.24- 247.07	181.04
Average of Peak Concentrations =					299.5		
8 AROCLOR-1260				CAS #: 11096-82-5			
4.872	4.873	-0.001		2097877	0.98426	328.1 80.00- 120.00	100.00
5.287	5.288	-0.001		3326338	0.99861	332.9 118.21- 197.01	158.56
5.679	5.682	-0.003		3984097	1.04758	349.2 140.04- 233.40	189.91
6.531	6.533	-0.002		4399288	1.05218	350.7 152.39- 253.99	209.70
6.862	6.863	-0.001		2486360	1.04045	346.8 84.59- 140.99	118.52
Average of Peak Concentrations =					341.5		

\$ 9 DCB

CAS #: 2051-24-3

8.069 8.071 -0.002 2405127 0.05747 19.16

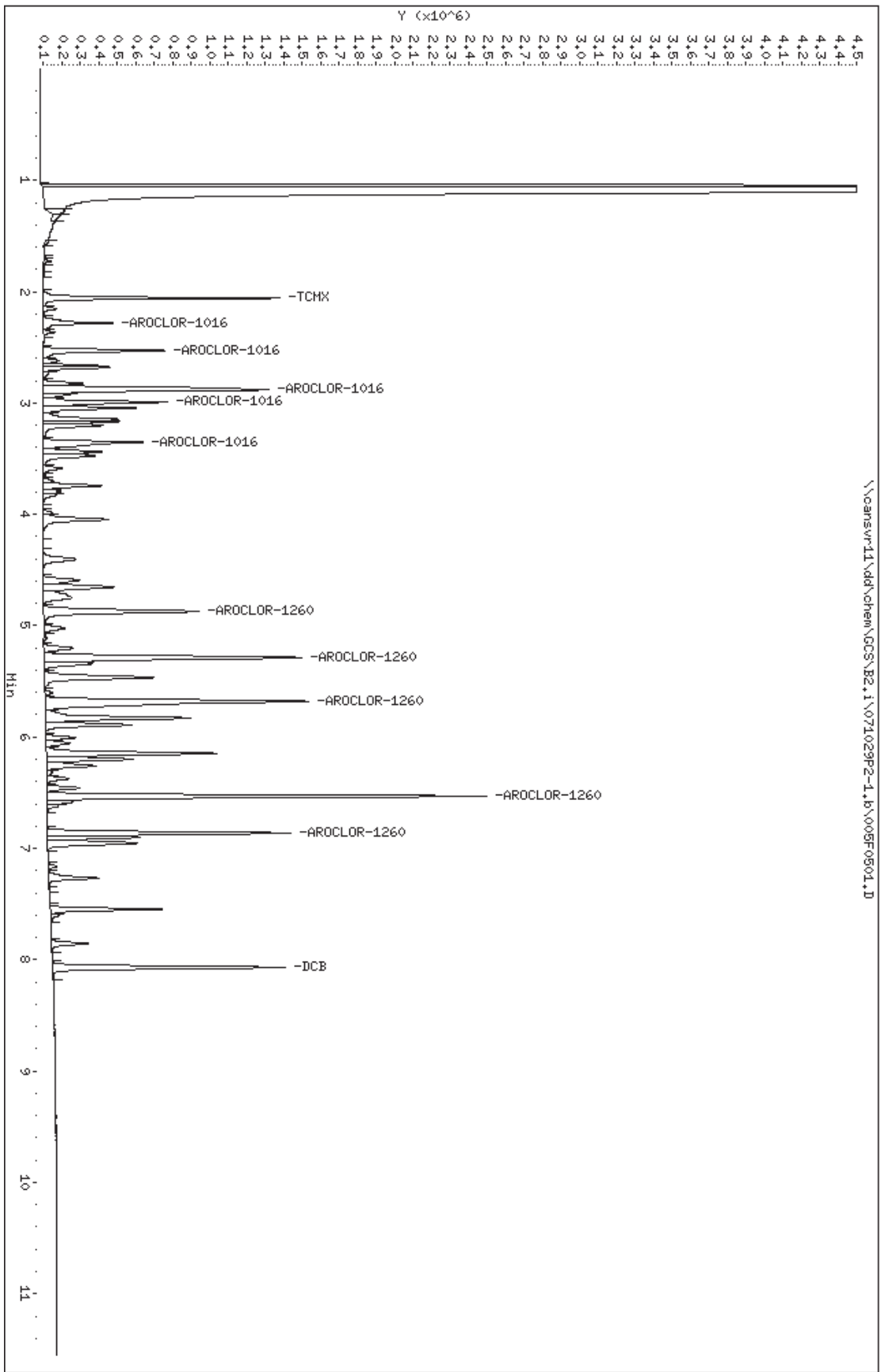
Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
Report Date: 30-Oct-2007 08:18

QC Flag Legend

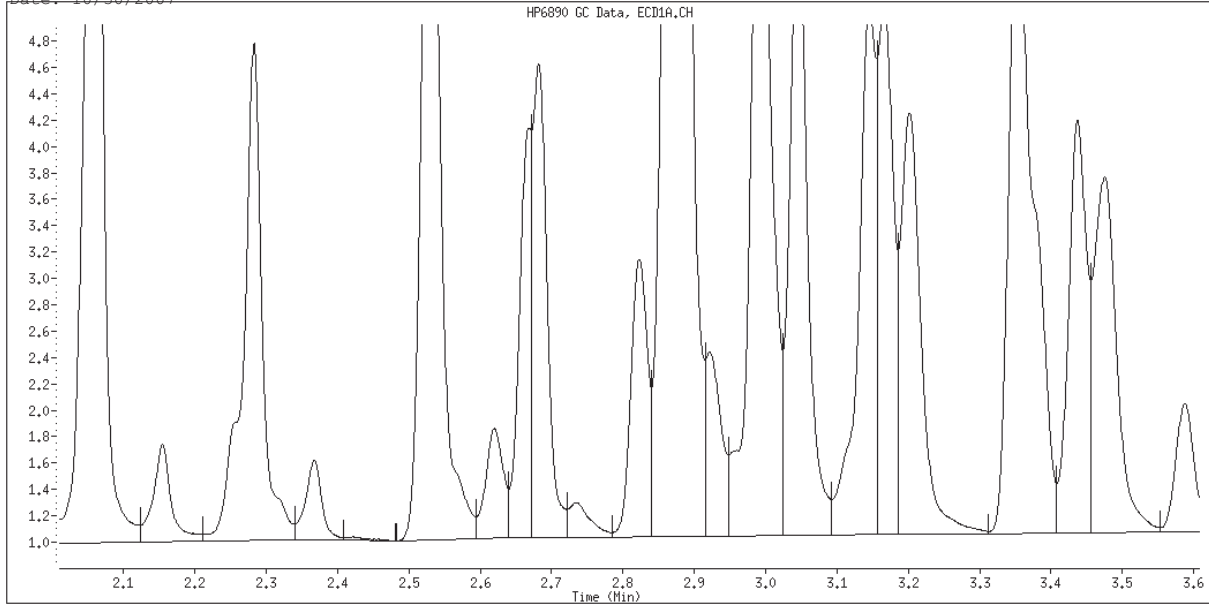
M - Compound response manually integrated.

Data File: \\canonvr11\dd\chem\GCS\B2.1\071029P2-1.b\005F0501.D
 Date: 29-OCT-2007 19:24
 Client ID: INTRA-LAB CHECK
 Sample Info: J94EX1AD.1
 Volume Injected (uL): 1.0
 Column phase: restek pest c1p1

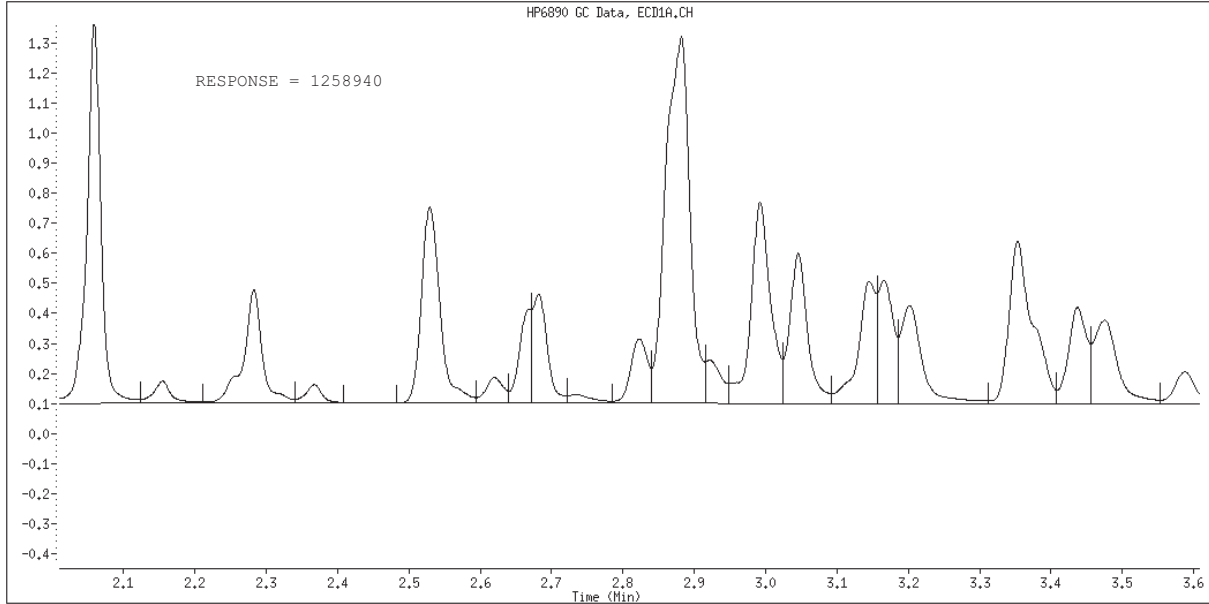
Instrument: B2.i
 Operator: 402338
 Column diameter: 0.53



Data File Name: 005F0501.D
Inj. Date and Time: 29-OCT-2007 19:24
Instrument ID: B2.i
Client ID: INTRA-LAB CHECK
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 10/30/2007



Original Integration



Manual Integration

Manually Integrated By: ncmoblab
Manual Integration Reason: Manually Assigned

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Lab Smp Id: J94EX1AD Client Smp ID: INTRA-LAB CHECK
 Inj Date : 29-OCT-2007 19:24
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AD,1
 Misc Info : 12-AR1660TD.SUB,SLCS.SPK
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:15 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 5 QC Sample: METHOD SPIKE
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	18368175	19487739	1.061	33.705	
1.063	31203660	12239129	0.392	21.143	
1.270	206624	104585	0.506	0.180	
1.313	120835	48066	0.398	0.083	
1.549	40440	20266	0.501	0.035	
1.690	8727	9022	1.034	0.015	
1.729	56401	39647	0.703	0.068	
1.785	12467	7404	0.594	0.012	
1.838	3543	2634	0.743	0.004	
2.059	1762345	1279046	0.726	2.209	\$ 1 TCMX
2.155	130081	73574	0.566	0.127	
2.283	695406	376493	0.541	0.650	3 AROCLOR-1016
2.367	93906	59943	0.638	0.103	
2.529	1201979	654415	0.544	1.130	3 AROCLOR-1016
2.620	149200	85859	0.575	0.148	
2.669	359229	313722	0.873	0.541	
2.682	510215	362691	0.711	0.626	
2.734	68348	29593	0.433	0.051	
2.823	355685	214060	0.602	0.369	
2.882	2865860	1222264	0.426	2.111	3 AROCLOR-1016
2.921	218444	143921	0.659	0.248	
2.992	1291084	670411	0.519	1.158	3 AROCLOR-1016
3.045	878334	500917	0.570	0.865	
3.145	698983	405721	0.580	0.700	
3.166	599173	410982	0.686	0.709	

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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\005F0501.D
 Report Date: 30-Oct-2007 08:18

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
3.201	680581	325386	0.478	0.562	
3.353	1258941	539956	0.429	0.932	3 AROCLOR-1016
3.437	568732	319903	0.562	0.552	
3.475	647567	277025	0.428	0.478	
3.588	219104	105234	0.480	0.181	
3.650	19262	11435	0.594	0.019	
3.700	85651	55570	0.649	0.095	
3.743	622388	320088	0.514	0.552	
3.794	191114	94458	0.494	0.163	
3.825	133157	70810	0.532	0.122	
3.985	94917	50616	0.533	0.087	
4.046	888693	357624	0.402	0.617	
4.404	545828	183159	0.336	0.316	
4.592	462516	198089	0.428	0.342	
4.654	943851	380691	0.403	0.657	
4.750	618851	154886	0.250	0.267	
4.872	2097877	839209	0.400	1.449	8 AROCLOR-1260
5.023	273896	114859	0.419	0.198	
5.109	46974	14275	0.304	0.024	
5.203	357421	160024	0.448	0.276	
5.287	3326339	1395258	0.419	2.410	8 AROCLOR-1260
5.342	545895	257845	0.472	0.445	
5.465	1461239	594711	0.407	1.027	
5.603	82193	43916	0.534	0.075	
5.680	3984097	1422044	0.357	2.456	8 AROCLOR-1260
5.830	1750674	788792	0.451	1.362	
5.892	972468	466129	0.479	0.805	
6.006	309675	161417	0.521	0.278	
6.055	264250	128488	0.486	0.221	
6.147	1907519	925548	0.485	1.598	
6.200	925967	466139	0.503	0.805	
6.260	573812	266802	0.465	0.460	
6.314	61795	29018	0.470	0.050	
6.375	241512	118885	0.492	0.205	
6.458	335802	180209	0.537	0.311	
6.531	4399289	2373853	0.540	4.100	8 AROCLOR-1260
6.580	238953	140991	0.590	0.243	
6.620	94236	58546	0.621	0.101	
6.863	2486361	1316159	0.529	2.273	8 AROCLOR-1260
6.900	850513	504303	0.593	0.871	
6.952	1171016	489497	0.418	0.845	
7.162	80974	45491	0.562	0.078	
7.267	579297	272798	0.471	0.471	
7.372	6905	3221	0.466	0.005	
7.546	1054939	602656	0.571	1.041	
7.604	94641	45656	0.482	0.078	
7.855	379405	194781	0.513	0.336	
8.070	2405128	1256925	0.523	2.171	\$ 9 DCB
	103241359	57885479		100.000	

Total unknown % height = 76.95

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: A7J290198
MB Lot-Sample #: A7J290000-599
Analysis Date...: 10/29/07
Dilution Factor: 1

Work Order #....: J94EX1AA
Prep Date.....: 10/29/07
Prep Batch #....: 7302599
Initial Wgt/Vol: 30 g

Matrix.....: SOLID
Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1221	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1232	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1242	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1248	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1254	ND	33	ug/kg	SW846 PCBs (8082)
Aroclor 1260	ND	33	ug/kg	SW846 PCBs (8082)
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Tetrachloro-m-xylene	83	(10 - 196)		
Decachlorobiphenyl	106	(10 - 199)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
Report Date: 30-Oct-2007 08:13

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
Lab Smp Id: J94EX1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-OCT-2007 18:55
Operator : 402338 Inst ID: B2.i
Smp Info : J94EX1AA,1
Misc Info :
Comment :
Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
Meth Date : 30-Oct-2007 08:12 ncmoblab Quant Type: ESTD
Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
Als bottle: 3 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS							
			ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/kg)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====

\$ 1 TCMX CAS #: 877-09-8
2.059 2.058 0.001 1785366 0.04166 13.89

2 AROCLOR-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

3 AROCLOR-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

4 AROCLOR-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
 Report Date: 30-Oct-2007 08:13

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL RESPONSE (ng)	FINAL (ug/kg)		
5						
			5 AROCLOR-1242		CAS #: 53469-21-9	
Peaks not detected for Quant. or Qual. signal(s).						

6						
			6 AROCLOR-1248		CAS #: 12672-29-6	
Peaks not detected for Quant. or Qual. signal(s).						

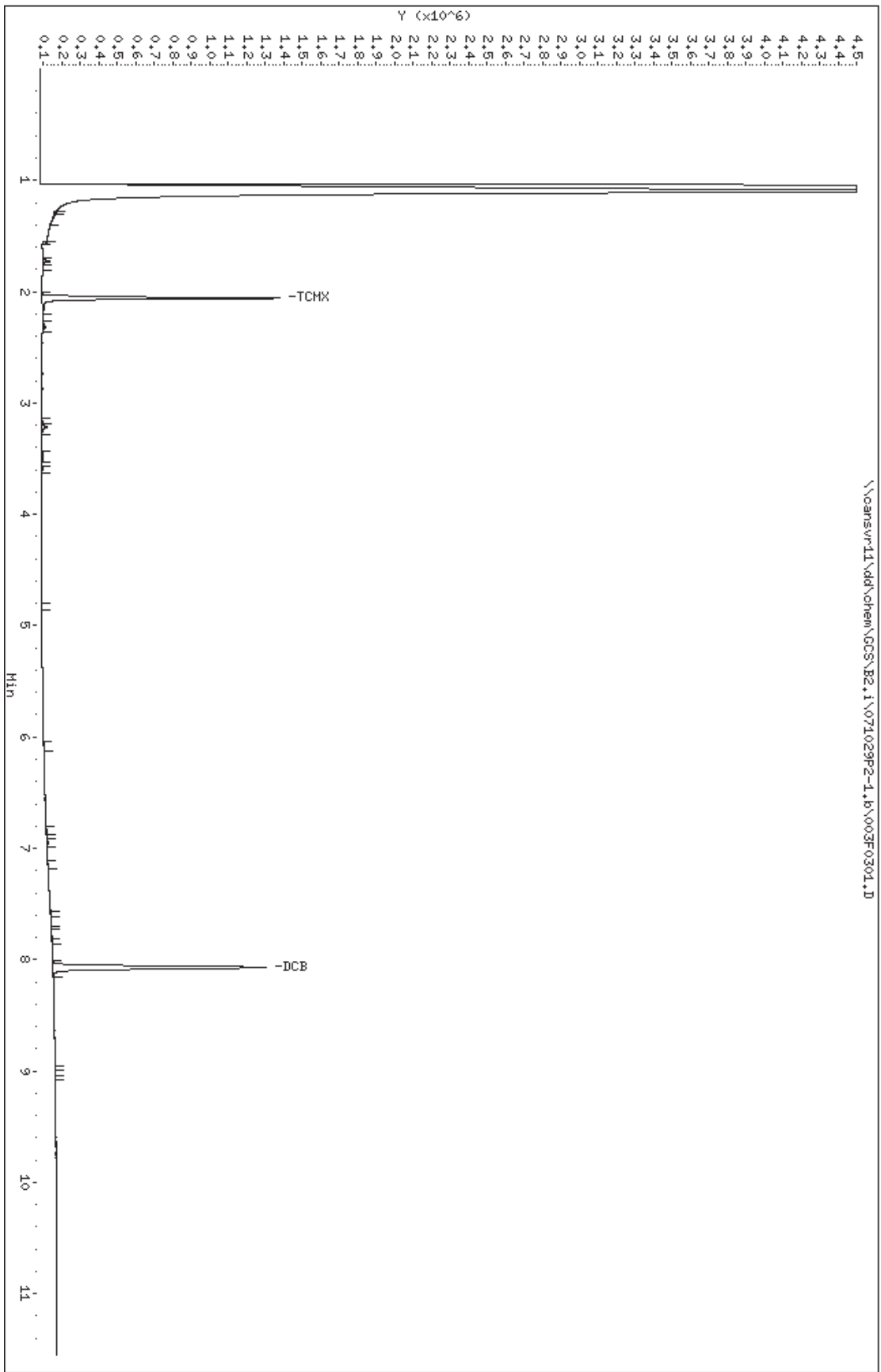
7						
			7 AROCLOR-1254		CAS #: 11097-69-1	
Peaks not detected for Quant. or Qual. signal(s).						

8						
			8 AROCLOR-1260		CAS #: 11096-82-5	
Peaks not detected for Quant. or Qual. signal(s).						

\$ 9						
			9 DCB		CAS #: 2051-24-3	
8.069	8.071	-0.002	2225223	0.05317	17.72	

Data File: \\cansvr11\dd\chem\GCS\B2.1\071029P2-1.b\003F0301.D
Date : 29-OCT-2007 18:55
Client ID: INTRA-LAB BLANK
Sample Info: J94EX1A0.1
Volume Injected (uL): 1.0
Column phase: restek pest c1p1

Instrument: B2.i
Operator: 402338
Column diameter: 0.53



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 Data File: \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
 Report Date: 30-Oct-2007 08:13

STL - North Canton Mobile Lab

Data file : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\003F0301.D
 Lab Smp Id: J94EX1AA Client Smp ID: INTRA-LAB BLANK
 Inj Date : 29-OCT-2007 18:55
 Operator : 402338 Inst ID: B2.i
 Smp Info : J94EX1AA,1
 Misc Info :
 Comment :
 Method : \\canpmob1\chem\GCS\B2.i\071029P2-1.b\B2PCBF.m
 Meth Date : 30-Oct-2007 08:12 ncmoblab Quant Type: AREA%
 Cal Date : 08-OCT-2007 20:04 Cal File: 032F3201.D
 Als bottle: 3 QC Sample: METHOD BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CANPMOB1

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vo	30.000	initial volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% HEIGHT	COMPOUNDS
1.044	21058139	16432489	0.780	86.258	
1.287	16191	14100	0.871	0.074	
1.313	17036	9791	0.575	0.051	
1.555	32384	21617	0.668	0.113	
1.729	49587	36496	0.736	0.191	
1.782	4476	2655	0.593	0.013	
2.059	1785367	1285943	0.720	6.749	\$ 1 TCMX
2.319	24593	14561	0.592	0.076	
3.178	6350	4318	0.680	0.022	
3.217	48468	26635	0.550	0.139	
3.480	17725	6049	0.341	0.031	
3.593	10336	5609	0.543	0.029	
4.840	3566	1707	0.479	0.008	
6.082	14115	7042	0.499	0.036	
6.845	12585	5292	0.420	0.027	
6.956	17071	8576	0.502	0.045	
7.157	4590	1777	0.387	0.009	
7.594	6804	3304	0.486	0.017	
7.721	2914	1836	0.630	0.009	
7.852	3357	3431	1.022	0.018	
8.069	2225223	1155706	0.519	6.065	\$ 9 DCB
8.972	4234	2228	0.526	0.011	
9.063	2519	1840	0.730	0.009	
=====	=====	=====	=====	=====	
	25367631	19053002		100.000	

Total unknown % height = 87.19

MISCELLANEOUS DATA

Electrometer: On

Electrometer: On

SIGNAL 1

Data rate: 20 Hz
Type: front detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2

Data rate: 20 Hz
Type: back detector
Save Data: On
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1

Derive from front detector

COLUMN COMP 2

Derive from back detector

POST RUN

Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
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GC Injector

Front Injector:

Sample Washes	1
Sample Pumps	4
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
PostInj Solvent A Washes	1
PostInj Solvent B Washes	0
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

No parameters specified

B2-ICAL

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071008IC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 2	1660,,1,1	B2PCBF	1	Sample		
3	Vial 3	1660,,1,2	B2PCBF	1	Sample		
4	Vial 4	1660,,1,3	B2PCBF	1	Sample		
5	Vial 5	1660,,1,4	B2PCBF	1	Sample		
6	Vial 6	1660,,1,5	B2PCBF	1	Sample		
7	Vial 7	1660,,1,6	B2PCBF	1	Sample		
8	Vial 8	1660,,2	B2PCBF	1	Sample		
9	Vial 9	1232,,1,1	B2PCBF	1	Sample		
10	Vial 10	1232,,1,2	B2PCBF	1	Sample		
11	Vial 11	1232,,1,3	B2PCBF	1	Sample		
12	Vial 12	1232,,1,4	B2PCBF	1	Sample		
13	Vial 13	1232,,1,5	B2PCBF	1	Sample		
14	Vial 14	1232,,1,6	B2PCBF	1	Sample		
15	Vial 15	1242,,1,1	B2PCBF	1	Sample		
16	Vial 16	1242,,1,2	B2PCBF	1	Sample		
17	Vial 17	1242,,1,3	B2PCBF	1	Sample		
18	Vial 18	1242,,1,4	B2PCBF	1	Sample		
19	Vial 19	1242,,1,5	B2PCBF	1	Sample		
20	Vial 20	1242,,1,6	B2PCBF	1	Sample		
21	Vial 21	1248,,1,1	B2PCBF	1	Sample		
22	Vial 22	1248,,1,2	B2PCBF	1	Sample		
23	Vial 23	1248,,1,3	B2PCBF	1	Sample		
24	Vial 24	1248,,1,4	B2PCBF	1	Sample		
25	Vial 25	1248,,1,5	B2PCBF	1	Sample		
26	Vial 26	1248,,1,6	B2PCBF	1	Sample		
27	Vial 27	2154,,1,1	B2PCBF	1	Sample		
28	Vial 28	2154,,1,2	B2PCBF	1	Sample		
29	Vial 29	2154,,1,3	B2PCBF	1	Sample		
30	Vial 30	2154,,1,4	B2PCBF	1	Sample		
31	Vial 31	2154,,1,5	B2PCBF	1	Sample		
32	Vial 32	2154,,1,6	B2PCBF	1	Sample		

RE-RUN 1242

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
Data File Naming: Auto
Data Directory: D:\DATA\2\
Data Subdirectory: 071009IC
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro:
Sequence Comment:

B2-ICAL 1242

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	B2PCBF	2	Sample		
2	Vial 15	1242,,1,1	B2PCBF	1	Sample ✓		
3	Vial 16	1242,,1,2	B2PCBF	1	Sample ✓		
4	Vial 17	1242,,1,3	B2PCBF	1	Sample ✓		
5	Vial 18	1242,,1,4	B2PCBF	1	Sample ✓		
6	Vial 19	1242,,1,5	B2PCBF	1	Sample ✓		
7	Vial 20	1242,,1,6	B2PCBF	1	Sample ✓		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: 402338
 Data File Naming: Auto
 Data Directory: D:\DATA\2\
 Data Subdirectory: 071029P2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro:
 Sequence Comment:

Sequence Table (Front Injector):

B2

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	PRIMER	B2PCBF	3	Sample		
2	Vial 2	1660,,2	B2PCBF	1	Sample		
3	Vial 3	J94EX1AA,1 MB	B2PCBF	1	Sample		
4	Vial 4	J94EX1AC,1 CS	B2PCBF	1	Sample		
5	Vial 5	J94EX1AD,1 CSD	B2PCBF	1	Sample		
6	Vial 6	J94DR1AA,1 13	B2PCBF	1	Sample		
7	Vial 7	J94DT1AA,1 14	B2PCBF	1	Sample		
8	Vial 8	J94DV1AA,1 15	B2PCBF	1	Sample		
9	Vial 9	J94DW1AA,1 16	B2PCBF	1	Sample		
10	Vial 10	J94D11AA,1 17	B2PCBF	1	Sample		
11	Vial 11	J94D21AA,1 18	B2PCBF	1	Sample		
12	Vial 12	J94D31AA,1 19	B2PCBF	1	Sample		
13	Vial 13	J94D41AA,1 20	B2PCBF	1	Sample		
14	Vial 14	J94D51AA,1 21	B2PCBF	1	Sample		
15	Vial 15	1660,,2	B2PCBF	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

*
* QC BATCH: 7302599 *
*

PREP DATE: 10/29/07
COMP DATE: 10/29/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN		PH"S			SOLVENTS		VOL	SPIKE STANDARD/ SURROGATE ID
							WT/VOL	INIT	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE		
11/12/07 COMMENTS:	10/30/07	A7J290197-004 J94DW-1-AA	D	13	47	SOLID	30.15g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290198-001 J94D1-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-001 J94D2-1-AA	D	13	47	SOLID	30.19g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-002 J94D3-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-003 J94D4-1-AA	D	13	47	SOLID	30.19g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML
11/12/07 COMMENTS:	10/30/07	A7J290199-004 J94D5-1-AA	D	13	47	SOLID	30.11g 10.00mL	0.0	NA	NA	DCM/ACE	180.0	HEXANE	36.0	50UL 10UG/ML

DCM/ACE E34E61 HEXANE E24E10

NUMBER OF WORK ORDERS IN BATCH: 12

STL North Canton						
Percent Total Solid/Percent Moisture Logsheet						
Analysis	TS			Batch	7302597	
Prep Date	10/29/07	Time In	17:30	Analyst	WI/RC	
Anal Date	10/30/07	Time Out	8:40	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
J94E31AA	1.03	1.03	1.03	0	ND	
J94DR1AC	1.03	11.39	9.12	78.089	21.911	
J94DT1AC	1.03	12.96	8.52	62.783	37.217	
J94DV1AC	1.03	13.86	10.50	73.811	26.189	
J94DW1AC	1.03	13.74	10.07	71.125	28.875	
J94D11AC	1.03	13.81	10.57	74.648	25.352	
J94D21AC	1.03	16.88	13.60	79.306	20.694	
J94D21AD	1.03	11.07	8.99	79.283	20.717	
J94D31AC	1.03	14.53	11.96	80.963	19.037	
J94D41AC	1.03	14.80	12.18	80.973	19.027	
J94D51AC	1.03	16.79	13.46	78.871	21.129	

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A7J290198

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Solids	ND	Work Order #: J94E31AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A7J290000-597 10/29-10/30/07	7302597
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A7J290198

Work Order #....: J94D2-SMP
J94D2-DUP

Matrix.....: SOLID

Date Sampled....: 10/29/07 14:25 Date Received...: 10/29/07

% Moisture.....: 21

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	79.3	79.3	%	0.029	(0-20)	MCAWW 160.3 MOD	10/29-10/30/07	7302597
				Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
						SD Lot-Sample #: A7J290199-001		

Sample Control Chain of Custody – TAL North Canton
GC Semivolatiles

Lot/SDG
Number: **A7J290198**

<u>Lot Number</u>	<u>Work Order</u>	<u>Analysis Type</u>	<u>Prep Date</u>	<u>Prep Analyst</u>	<u>Date of Transfer</u>	<u>Transferred By</u>	<u>Analysis Date</u>	<u>Analyst</u>
A7J290198-001	J94D11AA	PCBs by SW-846 8082	10/29/07	Ray Shock		Ray Shock	10/29/07	Richard Charles

END OF REPORT