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Date: May 3, 2021
Our Ref: 30038471 #10
Subject: Pollution Abatement Services Superfund Site
Fourth Operable Unit
Oswego, New York
2020 Annual Progress Report

Dear Ms. Simmons-Pierre,

On behalf of National Grid, please find enclosed the Annual Progress Report describing the activities performed during 2020 in connection with the fourth operable unit (OU4) at the Pollution Abatement Services (PAS) Superfund Site located in Oswego, New York.

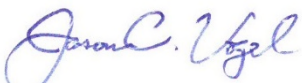
The report has been prepared in accordance with the requirements outlined in Section X of the Consent Decree for OU4 between the United States Environmental Protection Agency (USEPA) and the Settling Defendants (National Grid and General Motors [GM]) lodged by the Court on December 15, 1998. Please note that the Settling Defendants originally included National Grid and GM (although GM filed for bankruptcy in 2009).

As described in the Annual Progress Report, monitoring was conducted in 2020 and included sampling and analysis of fish tissue. Monitoring will continue in two-year intervals (next sampling in 2022) to support the pending sixth Five-Year Data Review Report by USEPA in 2023.

The data usability summary report and full laboratory analytical data package for the samples collected in 2020 are included in the Annual Progress Report.

Please feel free to call me at 315.671.9134 if you have any questions regarding the enclosed.

Sincerely,
Arcadis of New York, Inc.



Jason C. Vogel
Senior Scientist

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Direct Line: 315.671.9134

Ms. Patricia Simmons-Pierre
USEPA Region 2
May 3, 2021

CC: Marla Wieder, New York Caribbean Superfund Branch/ Regional Criminal Enforcement Counsel, Office of
Regional Counsel, United States Environmental Protection Agency, Region 2 (via e-mail)
Payson Long, Division of Hazardous Waste Remediation, New York State Department of Environmental
Conservation (via e-mail)
Angela Martin, New York State Department of Health (via e-mail and U.S. Mail)
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Steve Beam, National Grid (via e-mail)
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Enclosures: Annual Progress Report - Period Covered: January 1, 2020 - December 31, 2020

***Pollution Abatement Services Superfund Site
Oswego, New York
Fourth Operable Unit***

***Annual Progress Report
Period Covered: January 1, 2020 - December 31, 2020***

This document represents the 2020 Annual Progress Report for the fourth operable unit (OU4) at the Pollution Abatement Services (PAS) Superfund Site (the Site) in Oswego, New York. This progress report has been prepared in accordance with the requirements set forth in Section X of the OU4 Consent Decree lodged by the Court on December 15, 1998 between the United States Environmental Protection Agency (USEPA), and National Grid and General Motors Corporation (the Settling Defendants). The activities conducted in 2020 pursuant to the requirements of the OU4 Consent Decree are summarized below.

In accordance with the requirements set forth in the OU4 Consent Decree and the September 1997 Record of Decision (ROD) for OU4 (USEPA, 1997), the August 1999 *PCB Long-Term Monitoring Plan* (Plan) was developed by Blasland, Bouck & Lee, Inc. (BBL) (BBL, 1999). BBL (currently Arcadis) is the USEPA-approved Supervising Contractor identified in the OU4 Consent Decree. The Plan describes the requirements, methods, and procedures for monitoring polychlorinated biphenyl (PCB) levels in sediment and fish in White Creek and Wine Creek. The Plan was approved by USEPA in a July 22, 1999 letter (USEPA, 1999).

The monitoring activities identified in the Plan include sampling of surficial sediments (0- to 3-inch), subsurface sediments (3- to 6-inch and 6- to 12-inch), suspended sediment (trap), and biota (fish). Since the Plan was developed, several adjustments were made to the scope of work, with USEPA approval, as described below:

- In the third Annual Progress Report (BBL, 2000), BBL proposed that subsurface sediment samples are not collected. USEPA approved this modification to the Plan on May 30, 2001, as documented in BBL's May 31, 2001 letter to the USEPA (BBL, 2001).
- On January 7, 2009, USEPA provided comments to the Arcadis (2008) *Annual PCB Long-Term Monitoring Report*. The comments recommended that rather than reducing the sampling frequency to once every three years (as was proposed in the Annual Report), that the monitoring be conducted once every two years for the next two rounds (i.e., sampling in 2010 and 2012).
- On January 27, 2014, USEPA provided comments to the 2013 *PCB Long-Term Monitoring: 5-Year Review* (Arcadis, 2013) prepared by Arcadis on behalf of National Grid in which Arcadis had recommended discontinuing surficial sediment and sediment trap sampling. Discontinuing the sediment and sediment trap sampling was recommended since sediment

PCB concentrations for most locations were below the site cleanup value of 1 milligram per kilogram (mg/kg). USEPA agreed with discontinuing the sediment samples from all locations except for Location 3 and all sediment trap locations except for Location 4, since these locations had PCB levels above 1 mg/kg in recent sampling events. As a result, starting with the 2014 monitoring activities, only one sediment sample and one sediment trap sample were collected as part of the biennial monitoring.

- Based on the fifth Five-Year Data Review Report prepared by USEPA (2019), it was recommended that the monitoring continue to be conducted once every two years for the next two rounds (i.e., sampling in 2020 and 2022).
- On April 30, 2020, USEPA provided comments on the *2018 Annual PCB Long-Term Monitoring Report* (Arcadis, 2019) prepared by Arcadis on behalf of National Grid in which Arcadis had recommended discontinuing the remaining surficial sediment and sediment trap sampling since the sediment PCB concentrations had declined to levels below the site cleanup value of 1 mg/kg. The USEPA agreed with discontinuing the surficial sediment and sediment trap sampling. As a result, starting with the 2020 monitoring activities, only fish samples were collected as part of the biennial monitoring.

I. Actions Taken Toward Compliance with the Consent Decree

During this 2020 reporting period, the sixteenth round of PCB monitoring activities was completed. The monitoring activities were conducted in accordance with the USEPA-approved Plan (modified as described above). The monitoring activities included the collection of fish samples at five locations in White Creek and Wine Creek. A description of the monitoring and a summary of the results are presented in Attachment 1. The references cited herein are also listed in Attachment 1.

II. Analytical Results and Data Generated

The data generated during this reporting period in association with the OU4 Consent Decree are solely related to completing the monitoring identified in the Plan. As previously stated, the monitoring activities included only fish sampling. Fish samples were analyzed for PCBs and percent lipids. A summary of that data is presented in Attachment 1.

III. Plans and Reports and other Deliverables Completed or Submitted

The 2019 Annual Progress Report was submitted to USEPA on October 25, 2019.

IV. Planned Activities for 2020

Based on the fifth Five-Year Data Review Report prepared by USEPA (2019), it was

recommended that the monitoring continue to be conducted once every two years for the next two rounds (i.e., sampling in 2020 and 2022).

V. Delays Encountered or Anticipated

No delays were encountered during 2020.

VI. Modifications to Plans or Schedules

As described previously, on April 30, 2020 USEPA agreed with discontinuing the surficial sediment and sediment trap sampling, based on recommendations in the *2018 Annual PCB Long-Term Monitoring Report* (Arcadis, 2019). As a result, starting with the 2020 monitoring activities, only fish samples were collected as part of the biennial monitoring.

VII. Actions Taken in Support of the Community Relations Plan

In accordance with the requirements of the OU4 Consent Decree, the Settling Defendants will, upon notice by the USEPA, participate in the Community Relations Plan. To date USEPA has not requested any participation by the Settling Defendants. Accordingly, no actions have been taken by the Settling Defendants in support of USEPA's Community Relations Plan.

Attachment 1

Annual PCB Long-Term Monitoring Report (2020)

Attachment 1

ANNUAL PCB LONG-TERM MONITORING REPORT (2020)

Pollution Abatement Services Superfund Site Oswego, New York Fourth Operable Unit

1. Introduction

This *Annual PCB Long-Term Monitoring Report (2020)* provides a summary of the polychlorinated biphenyl (PCB) data collected in 2020 at the Pollution Abatement Services (PAS) Superfund Site (the Site) in Oswego, New York. This report describes the sixteenth year of monitoring data collected under the United States Environmental Protection Agency (USEPA)-approved *PCB Long-Term Monitoring Plan (Plan)* for the fourth operable unit (OU4) of the PAS Site [Blasland, Bouck & Lee, Inc. (BBL), 1999] and USEPA-approved modifications to that Plan (e.g., BBL, 2001).

The monitoring activities described in the Plan are in response to the Consent Decree lodged by the Court on December 15, 1998 (USEPA, 1998a), and the September 30, 1997 *Record of Decision* (ROD) for OU4 (USEPA, 1997). The ROD presents the remedial action selected by the USEPA to address PCBs in the sediments of White and Wine Creeks and the adjacent wetlands. The USEPA-selected remedy presented in the OU4 ROD is long-term annual monitoring of PCB levels in sediments and fish in White and Wine Creeks and the adjacent wetlands.

Neither the OU4 Consent Decree (USEPA, 1998a) nor ROD (USEPA, 1997) present a timetable for discontinuing the long-term monitoring activities, other than to state that a Remedial Action Completion Report will be completed within 90 days after the Settling Defendants conclude that the remedial action has been fully performed. The 2018 Five-Year Review Report (USEPA, 2019) indicated that the need for continued PCB monitoring at the site will be evaluated in the next (2023) five-year review; therefore, monitoring was conducted in 2020 and an additional round of monitoring is planned for 2022.

As documented in the PAS OU4 Consent Decree (USEPA, 1998a), the 1996 Phase 2 Supplemental Pre-Remedial Design Study (SPRDS) concluded that, although the Site was a source of PCBs before the construction of the containment facility in 1986, the Site is not a present source of PCBs for sediments in White and Wine Creeks or the adjacent wetlands, and that other potential upstream sources of PCBs exist. Additionally, previous PCB sediment monitoring data, collected prior to 1996, indicate that the associated risk levels were relatively low and that there had been an overall decline in PCB concentrations in the creeks (USEPA, 1998a).

2. Overview of the PCB Long-Term Monitoring Activities

The PCB long-term monitoring activities for the Site identified in the Plan include collecting surficial sediment (0- to 3-inch), subsurface sediment (3- to 6-inch and 6- to 12-inch), suspended sediment (trap), and biota (fish) samples. The results of the previous long-term monitoring events, together with the relevant conclusions, were presented to the USEPA in the previous *Annual Progress Reports* and the five *Five-Year Review Reports* (USEPA, 1998b; BBL, 2003; USEPA, 2008, 2014 and 2019). The data and conclusions presented in these reports confirm the USEPA (1998a) conclusion that sediment PCB concentrations have decreased since the sampling rounds that were conducted prior to 1996. Based on these results, USEPA approved the following changes to the overall monitoring activities:

- discontinuing the collection of sediment and sediment trap samples; and
- reducing the sampling frequency to once every two years.

3. 2020 PCB Long-Term Monitoring Activities

The monitoring activities conducted by Arcadis during the sixteenth (2020) PCB long-term monitoring event focused on fish tissue sampling at five locations on White and Wine Creeks at locations upstream, adjacent to, and downstream of the Site.

3.1 Methods

This section identifies the sampling locations and describes the methods that were used for the fish sampling and the corresponding laboratory analyses. The methods employed followed the procedures outlined in the approved Plan.

3.1.1 Sample Locations

Fish were collected at all five of the historical sample locations.

- Location 1: Upstream (east) of the Site, in White Creek, near historical sample location SS-1.
- Location 2: Adjacent to and northeast of the Site, in White Creek, in the vicinity of Phase 2 SPRDS sample location White 11A.
- Location 3: Adjacent to and north of the Site, in White Creek, approximately 50 feet downstream of historical sample location SS-3.
- Location 4: North of the Site in White Creek, in the vicinity of Phase 2 SPRDS sample location White 12B.

- Location 5: Downstream (northwest) of the Site, and downstream of the confluence of White and Wine Creeks, in the vicinity of historical sample location SS-4A.

3.1.2 Fish Sampling

Arcadis conducted the electrofishing of White and Wine Creeks on June 12, 2020. The objective of the electrofishing, as identified in the Plan, was to collect three composite fish samples from each location. The target species were creek chub (*Semotilus atromaculatus*) and stickleback (*Culaea inconstans*, *Gasterosteus aculeatus*).

The fish sampling was conducted using a Smith-Root model LR 20-B backpack electrofishing unit. Following collection, the appropriate target fish were placed in labeled Ziploc®-type bags and stored on ice prior to sample processing. Sample processing included dividing the fish into three composite samples per location and recording the number of individuals per sample, length range, and total sample weight. The samples were then wrapped and shipped to the analytical laboratory, in accordance with the procedures detailed in the Plan.

3.1.3 Laboratory Analyses

The fish samples were analyzed by Pace Analytical Services, Inc. (Green Bay, Wisconsin) for PCBs using USEPA SW-846 Method 8082, as referenced in the current New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP), and for percent lipids using standard gravimetric techniques.

3.2 2020 Fish PCB Results

Whole-body composite fish tissue samples (creek chub or brook stickleback) were collected from each of the five sampling locations. Three samples were collected from each location for a total of 15 composite fish samples (14 creek chub samples and one brook stickleback sample). Analytical results for the fish tissue samples are presented in Table 1. PCBs were detected in each of the fish samples (including those from the upstream location). Total PCB concentrations in creek chubs ranged from an estimated 0.25 milligrams per kilogram (mg/kg) (Location 2) to an estimated 1.05 mg/kg (Location 4). PCBs were detected in the one brook stickleback sample from Location 3 at an estimated concentration of 0.96 mg/kg. The arithmetic mean total PCB concentration for all of the fish samples collected in 2020 is 0.54 mg/kg.

4. Discussion

The PCB data collected in 2020 represent the sixteenth round of long-term monitoring data. The 2020 fish data along with historical ranges and means are presented in Table 2. The full set of fish data for each location are also graphed on Figure 2. Mean total PCB concentrations in fish samples in 2020 were highest at Location 4 (0.82 mg/kg) and lowest at Location 2 (0.35 mg/kg).

In 2020, the arithmetic mean PCB concentrations for each location were generally similar to the previous sampling event in 2018. The arithmetic mean PCB concentration at Location 2 was the lowest observed at this location during the long-term monitoring program. The overall yearly mean calculated across all samples and locations in 2020 (0.54 mg/kg) was the lowest observed since the first year of monitoring in 1999. When PCB concentrations were normalized for lipids, the 2020 data are the lowest or close to the lowest values observed during the monitoring at all of the locations. The overall yearly mean of the lipid-normalized PCB concentrations calculated across all locations in 2020 (9.8 mg/kg lipid) was the third lowest observed during the monitoring period.

Overall Trends

The 2020 fish tissue data are generally consistent with previous results in that PCB concentrations fluctuate but remain relatively low and appear to be declining. Historically, PCBs in fish have been highest at Locations 3 and 4 (Figure 2). This area of White Creek flows through the marsh area northeast of the landfill and is characterized by slower water velocity and softer sediment deposits. As such, this area likely represents a net depositional area and a possible sink for the relatively low concentrations of PCBs that remain in the system.

Risk Summary

Ecological risks from the Site were previously evaluated in the site-specific ecological risk assessment (ERA) [Appendix B of the *Focused Feasibility Study* (ENVIRON, 1997)]. According to the food web models presented in the site-specific ERA, a fish PCB concentration of 1.0 mg/kg results in a hazard quotient (HQ) for piscivorous wildlife (i.e., mink) of 0.82. Using the most recent (2018) sediment data (maximum detected concentration = 0.56 mg/kg) and the 2020 fish tissue data (95% UCL = 0.65 mg/kg) concludes similarly low ecological risk.

5. Summary

In 2020, fish were collected as part of the PCB long-term monitoring program for OU4 of the Site. The data collected in 2020 indicate the following:

- PCBs were detected in each of the fish tissue samples, with a maximum concentration of 1.05 mg/kg. In 2020, the arithmetic mean PCB concentrations for each location were lower than the previous sampling event in 2018 (except for Locations 1 and 3 which increased slightly). The mean total PCB value for Location 2 (0.35 mg/kg) was the lowest observed during the sixteen years of PCB monitoring for that location. The overall yearly mean total PCB concentration calculated across all samples and locations in 2020 (0.54 mg/kg) was the lowest observed since the first year of monitoring in 1999.

- Using the same approach as the previous site-specific ecological risk assessment (ENVIRON, 1997) updated with the most recent PCB data (2018 sediment data and 2020 fish tissue data), current conditions represent low ecological risk.

Collectively, the 16 years of long-term monitoring data indicate relatively low PCB concentrations in sediment, sediment trap, and fish tissue. Although PCB concentrations are still somewhat variable, they continue to decline.

Sixteen rounds of monitoring (starting in 1999) have been conducted for White and Wine Creeks. Based on the findings of the 2020 sampling and the historic data, Arcadis recommends that the long-term monitoring program continues as follows:

- Collect one more round of fish tissue samples from each of the five locations. PCBs in fish tissue typically represents the highest exposure potential and the primary medium of concern for PCBs in aquatic systems. Repeating the sampling again in 2022 will provide two additional years of fish tissue data to characterize potential ecological risk and evaluate overall protectiveness at the site during the next five-year review (scheduled for 2023). Upon completion of this five-year review, future recommendations for the long-term monitoring program will be discussed with the USEPA.

5. References

Arcadis. 2013a. *Annual Progress Report, Period Covered: January 1, 2012 to December 31, 2012*. Letter from David K. Rigg to Patricia Simmons Pierre of the USEPA. April 2013.

Arcadis. 2013b. *2013 PCB Long-Term Monitoring: 5-Year Review*. July 2013.

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BBL. 2000. *Annual Progress Report, Period Covered: January 1, 2000 - December 31, 2000*. Letter from M. Cathy Geraci of BBL to the USEPA Chief, Central New York Remediation Section. December 1, 2000.

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USEPA. 2009. Comments from Patricia Simmons of USEPA to D. Rigg of ARCADIS regarding the *2008 PCB Long-Term Monitoring Report*. January 7, 2009.

USEPA. 2014. Letter from Patricia Simmons Pierre of USEPA to Mr. David Rigg of ARCADIS regarding Modifications of Periodic Sediment Monitoring Requirements at the *Pollution Abatement Services Superfund Site Operable Unit 4, Oswego, New York*. January 27, 2014

USEPA. 2014. *Five-Year Review Report. Pollution Abatement Services Superfund Site, City of Oswego, Oswego County, New York*. January 9, 2014.

USEPA. 2019. *Five-Year Review Report. Pollution Abatement Services Superfund Site, City of Oswego, Oswego County, New York*. February 13, 2019.

Tables

Table 1
Fish Tissue Results for PCBs and Percent Lipids (2020)
Pollution Abatement Services Superfund Site
Operable Unit 4
Oswego, New York
PCB Long-Term Monitoring Program Report

Sample Identification	Species	No. of Individuals per Sample	Length Range (cm)	Total Sample Weight (g)	Lipid (%)	Total PCB Concentration Value (mg/kg)	Lipid-Normalized PCB Concentration (mg/kg-lipid)
Location 1							
PAS-BS-146	Creek chub	4	7.8 - 8.4	25	7.0	0.49	6.9
PAS-BS-147	Creek chub	12	6.3 - 7.6	45.8	5.2	0.36	6.8
PAS-BS-148	Creek chub	8	5.8 - 6.0	18.6	6.0	0.40	6.7
Location 2							
PAS-BS-243	Creek chub	3	7.8 - 7.9	15.4	7.5	0.25	3.3
PAS-BS-244	Creek chub	7	6.8 - 7.3	25.8	5.9	0.27	4.6
PAS-BS-245	Creek chub	8	5.5 - 6.8	20.9	6.5	0.52	8.0
Location 3							
PAS-BS-342	Brook stickleback	8	4.7 - 5.7	11	4.4	0.96	22
PAS-BS-343	Creek chub	4	6.5 - 7.1	13.4	6.5	0.70	11
PAS-BS-344	Creek chub	4	5.0 - 6.2	8.3	5.3	0.43	8.1
Location 4							
PAS-BS-440	Creek chub	3	9.6 - 10.5	40.5	4.6	0.58	13
PAS-BS-441	Creek chub	6	6.1 - 7.8	24.2	5.5	0.82	15
PAS-BS-442	Creek chub	8	5.4 - 6.2	16.9	4.9	1.05	21
Location 5							
PAS-BS-546	Creek chub	4	7.5 - 8.8	22.9	7.1	0.47	6.6
PAS-BS-547	Creek chub	8	6.3 - 7.3	28.7	5.3	0.38	7.2
PAS-BS-548	Creek chub	8	5.0 - 6.1	16.7	5.0	0.39	7.8

Notes:

1. Samples were collected by Arcadis on June 12, 2020.
 2. Samples were analyzed for PCBs using the USEPA SW-846 Method 8020 and for percent lipids using gravimetric techniques.
 3. Total PCB concentrations represent total Aroclors.
- J - the compound was positively identified; however, the associated numerical value is an estimated concentration only.
- JN - the analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

Table 2
Summary of Historic Fish Tissue PCB Concentrations
Pollution Abatement Services Superfund Site
Operable Unit 4
Oswego, New York
PCB Long-Term Monitoring Program Report

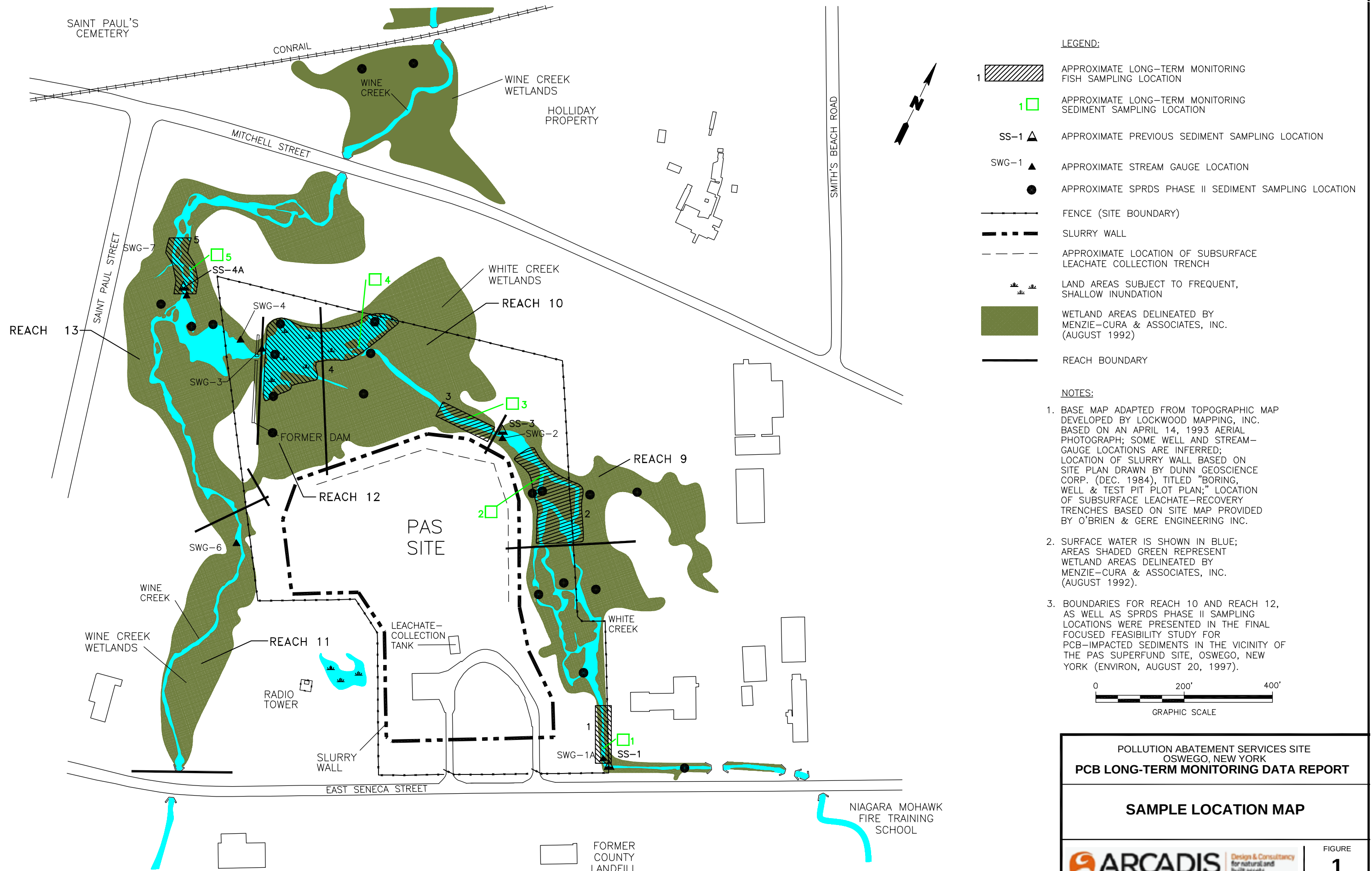
Year	Total PCB Concentration (mg/kg)										
	Location 1		Location 2		Location 3		Location 4		Location 5		Yearly Mean
	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	
1999	0.43 - 0.47	0.46	no data	NA	no data	NA	no data	NA	0.33 - 0.52	0.40	0.43
2000	1.10 - 1.50	1.30	2.80 - 3.60	3.23	3.00 - 3.90	3.30	2.70 - 3.30	3.00	0.72 - 0.81	0.77	2.32
2001	1.10 - 1.70	1.40	2.20 - 2.40	2.27	2.40 - 2.80	2.57	2.50 - 3.40	2.90	0.74 - 1.40	1.04	2.02
2002	0.32 - 0.55	0.46	0.87 - 1.30	1.09	0.84 - 1.00	0.93	0.93 - 1.70	1.28	0.67 - 0.96	0.79	0.91
2003	0.098 - 0.26	0.18	0.30 - 0.46	0.38	0.41 - 0.72	0.60	0.25 - 1.20	0.80	0.70 - 2.00	1.33	0.66
2004	0.45 - 0.96	0.65	0.91 - 1.80	1.37	0.99 - 2.80	1.63	1.30 - 1.70	1.50	1.10 - 1.30	1.20	1.27
2005	0.21 - 1.00	0.59	0.74 - 1.70	1.22	0.72 - 0.96	0.82	1.70 - 1.80	1.74	0.45 - 1.49	1.07	1.09
2006	0.37 - 0.54	0.48	0.47 - 0.64	0.53	0.74 - 0.93	0.84	1.28 - 1.50	1.39	0.56 - 0.79	0.70	0.78
2007	0.62 - 0.88	0.79	1.30 - 1.40	1.37	1.00 - 1.20	1.10	1.90 - 1.90	1.90	1.40 - 1.60	1.50	1.24
2008	0.52 - 0.68	0.61	0.93 - 1.10	1.01	0.82 - 1.10	0.97	1.90 - 2.20	2.05	0.54 - 1.00	0.78	1.01
2010	0.53 - 0.93	0.78	1.01 - 1.47	1.30	1.46 - 1.80	1.68	2.14 - 4.09	3.12	1.55 - 2.13	1.76	1.63
2012	0.54 - 0.77	0.67	0.68 - 1.05	0.88	0.64 - 0.85	0.76	2.26 - 2.91	2.62	0.75 - 0.98	0.88	1.16
2014	0.48 - 0.51	0.49	0.83 - 0.92	0.87	0.65 - 1.05	0.86	0.25 - 0.68	0.53	0.13 - 0.33	0.23	0.59
2016	0.35 - 0.57	0.46	0.27 - 0.57	0.39	0.19 - 0.90	0.64	0.48 - 0.82	0.63	0.62 - 0.66	0.64	0.55
2018	0.35 - 0.44	0.38	0.29 - 0.89	0.55	0.46 - 0.59	0.53	0.71 - 1.50	0.98	0.55 - 0.62	0.60	0.61
2020	0.36 - 0.49	0.42	0.25 - 0.52	0.35	0.43 - 0.96	0.69	0.58 - 1.05	0.82	0.38 - 0.47	0.41	0.54

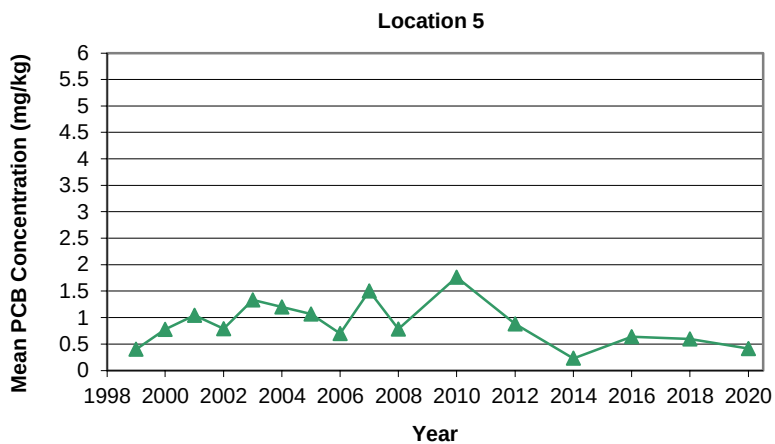
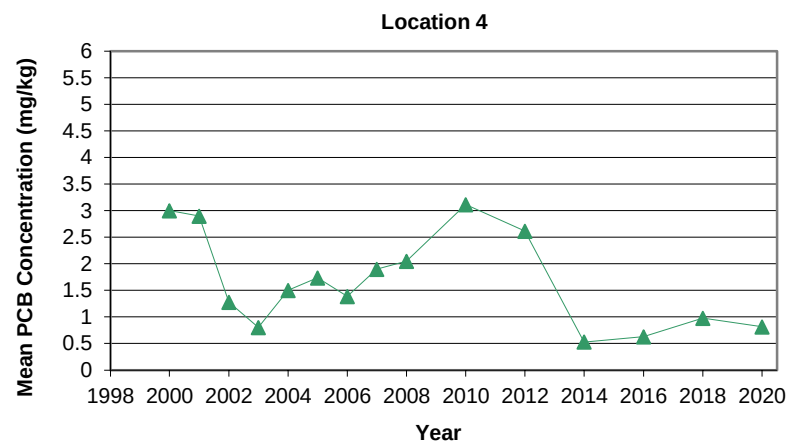
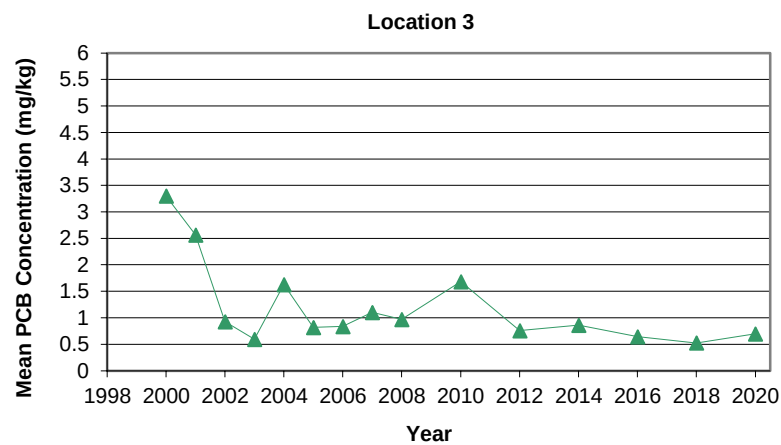
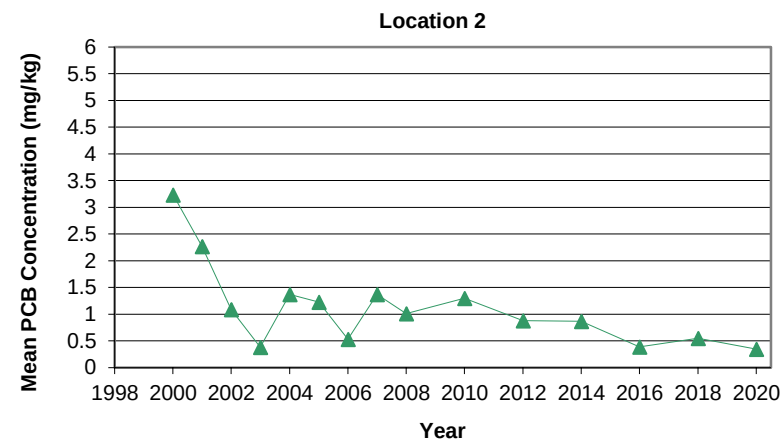
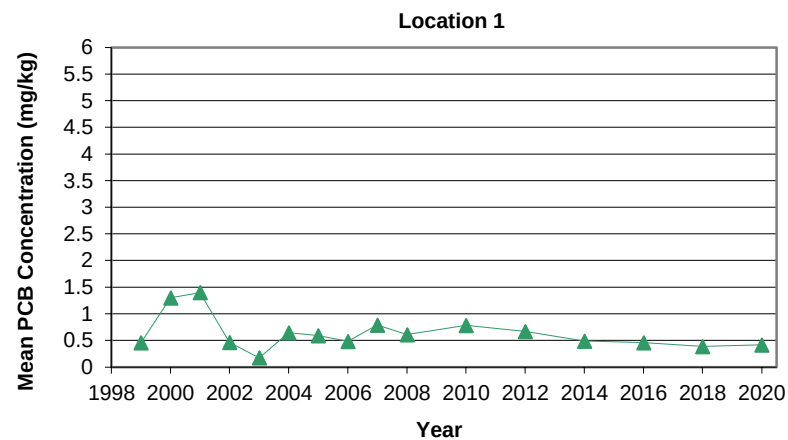
Year	Lipid-Normalized PCB Concentration (mg/kg-lipid)										
	Location 1		Location 2		Location 3		Location 4		Location 5		Yearly Mean
	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	Range	Arithmetic Mean	
1999	8.7 - 11	9.8	no data	NA	no data	NA	no data	NA	7.0 - 11	8.5	9.1
2000	24 - 34	30	77 - 88	83	68 - 87	77	84 - 90	86	14 - 16	15	58
2001	24 - 31	27	43 - 50	47	56 - 68	61	48 - 73	62	11 - 17	14	42
2002	9.0 - 13	10	12 - 44	26	17 - 30	24	22 - 23	23	8.3 - 15	11	19
2003	3.0 - 11	6.1	11 - 44	26	23 - 42	30	8 - 15	12	11 - 30	20	19
2004	19 - 35	27	20 - 38	31	29 - 84	57	26 - 48	34	17 - 20	19	33
2005	9.5 - 25	16	35 - 46	42	28 - 54	40	56 - 113	86	17 - 27	23	41
2006	6.9 - 10	8.4	16 - 31	25	20 - 21	20	22 - 28	26	9.3 - 56	11	18
2007	12 - 15	14	27 - 33	30	22 - 29	27	48 - 48	48	17 - 19	18	24
2008	12 - 15	13	9.5 - 25	18	11 - 22	16	55 - 56	56	10 - 14	12	21
2010	9.5 - 17	14	20 - 21	21	23 - 29	26	46 - 87	66	27 - 34	31	29
2012	9.7 - 13	11	13 - 22	18	13 - 16	15	43 - 67	57	11 - 17	14	23
2014	7.0 - 11	8.5	9.9 - 15	12	9.9 - 16	14	8.7 - 12	11	1.8 - 6.9	4.0	9.9
2016	6.9 - 7.6	7.3	4.6 - 12	8.5	3.1 - 13	9.9	6.5 - 11	8.8	9.8 - 10	9.9	8.9
2018	5.6 - 8.1	7.1	11 - 13	12	9.2 - 13	11	13 - 26	17	10 - 13	11	12
2020	6.7 - 6.9	6.8	3.3 - 8.0	5.3	8.1 - 22	14	13 - 21	16	6.6 - 7.8	7.2	9.8

Notes:

1. Total PCB concentrations represent total Aroclors.
2. NA = Not Available. Fish tissue samples were not collected from this location during this event.
3. Yearly mean is the arithmetic mean of all samples collected for that year.

Figures





Legend:
 ▲ Fish Tissue (Arithmetic Mean)

POLLUTION ABATEMENT SERVICES SITE
 OSWEGO, NEW YORK
 ANNUAL PCB LONG-TERM MONITORING REPORT

PCB FISH DATA SUMMARY



FIGURE
 2

Attachments

Attachment

**Data Usability Summary Report – Pace Analytical Services PCB
Analyses for Fish Tissue**

National Grid-PAS Site

DATA USABILITY SUMMARY REPORT (DUSR)

Oswego, New York

PCB Analyses

SDG #40209774

Analyses Performed By:
Pace Analytical
Green Bay, Wisconsin

Report #37715R

Review Level: Tier III

Project: 30038471, 00002

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a complex, angular form that extends from the bottom edge towards the top right corner.

DATA USABILITY SUMMARY REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #40209774 for samples collected in association with the National Grid-PAS site in Oswego, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	PCB	MET	MISC
40209774	PAS-BS-146	40209774001	Biota	6/12/2020				X		
	PAS-BS-147	40209774002	Biota	6/12/2020				X		
	PAS-BS-148	40209774003	Biota	6/12/2020				X		
	PAS-BS-243	40209774004	Biota	6/12/2020				X		
	PAS-BS-244	40209774005	Biota	6/12/2020				X		
	PAS-BS-245	40209774006	Biota	6/12/2020				X		
	PAS-BS-342	40209774007	Biota	6/12/2020				X		
	PAS-BS-343	40209774008	Biota	6/12/2020				X		
	PAS-BS-344	40209774009	Biota	6/12/2020				X		
	PAS-BS-440	40209774010	Biota	6/12/2020				X		
	PAS-BS-441	40209774011	Biota	6/12/2020				X		
	PAS-BS-442	40209774012	Biota	6/12/2020				X		
	PAS-BS-546	40209774013	Biota	6/12/2020				X		
	PAS-BS-547	40209774014	Biota	6/12/2020				X		
	PAS-BS-548	40209774015	Biota	6/12/2020				X		

Notes:

1. Matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample location PAS-BS-147.

DATA USABILITY SUMMARY REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:

QA - Quality Assurance

DATA USABILITY SUMMARY REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8082. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA USABILITY SUMMARY REPORT

POLYCHLORINATED BIPHENYLS (PCBs) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Biota	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note: The holding time above is a recommendation. PCBs are very stable in a variety of matrices, and holding times, under the conditions listed above, may be as long as a year per SW-846 8082A (February 2007).

Samples were received on ice at or below 6°C and were kept frozen at less than -10°C until time of preparation.

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination in either SDGs.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for all Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (15%).

All calibration criteria were within the control limits.

DATA USABILITY SUMMARY REPORT

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% sediment matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for sediment matrices.

A field duplicate was not collected with a sample associated with either SDGs.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference (%RPD) of detected sample results must be less than 40%.

Sample locations associated with RPD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	RPD
PAS-BS-146	Aroclor 1254	98.9%
	Aroclor 1260	74.5%
PAS-BS-147	Aroclor 1254	72.7%
	Aroclor 1260	68.3%

DATA USABILITY SUMMARY REPORT

Sample Locations	Compound	RPD
PAS-BS-148	Aroclor 1254	76.1%
	Aroclor 1260	48.0%
PAS-BS-243	Aroclor 1254	60.3%
PAS-BS-244	Aroclor 1254	70.7%
	Aroclor 1260	68.6%
PAS-BS-245	Aroclor 1254	95.9%
	Aroclor 1260	68.8%
PAS-BS-342	Aroclor 1260	67.7%
PAS-BS-343	Aroclor 1260	78.1%
PAS-BS-344	Aroclor 1242	55.1%
	Aroclor 1260	65.4%
PAS-BS-440	Aroclor 1242	75.6%
	Aroclor 1254	49.0%
	Aroclor 1260	74.9%
PAS-BS-441	Aroclor 1242	72.8%
	Aroclor 1254	64.1%
	Aroclor 1260	80.4%
PAS-BS-442	Aroclor 1242	60.4%
	Aroclor 1260	74.6%
PAS-BS-546	Aroclor 1242	92.6%
	Aroclor 1254	105%
	Aroclor 1260	72.1%
PAS-BS-547	Aroclor 1242	46.6%
	Aroclor 1254	82.6%
	Aroclor 1260	73.6%
PAS-BS-548	Aroclor 1242	63.3%
	Aroclor 1254	78.8%
	Aroclor 1260	74.4%

The criteria used to evaluate the RPD are presented in the following table. In the case of a RPD deviation, the sample results are qualified as documented in the table below.

DATA USABILITY SUMMARY REPORT

Control Limit (%D)	Qualification
>40% to 70%	J
>70% to 100%	JN
>100% ¹	R
>100% to 200% (Interference detected) ²	J or JN
>50% (PCB sample results less than the RL)	U

When the PCB sample results are less than the RL and the RPD greater than 50% the sample result are raised to the RL and reported as non-detect.

Note 1: If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the PCB cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).

Note 2: If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA USABILITY SUMMARY REPORT

DATA VALIDATION CHECKLIST FOR PCBs

PCBs; SW-846 8082	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY (GC/ECD)						
Tier II Validation						
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment blanks	X				X	
Laboratory Control Sample (LCS) %R		X		X		
Laboratory Control Sample Duplicate (LCSD) %R	X				X	
LCS/LCSD Precision (RPD)	X				X	
Matrix Spike (MS) %R		X		X		
Matrix Spike Duplicate (MSD) %R		X		X		
MS/MSD Precision (RPD)		X		X		
Field/Lab Duplicate (RPD)	X				X	
Surrogate Spike Recoveries		X		X		
Column (RPD)		X	X			
Dilution Factor		X		X		
Moisture Content		X		X		
Tier III Validation						
Initial calibration %RSDs		X		X		
Continuing calibration %Ds		X		X		
System performance and column resolution		X		X		
Compound identification and quantitation						
A. Quantitation Reports		X		X		
B. RT of sample compounds within the established RT windows		X		X		
C. Pattern identification		X		X		
D. Transcription/calculation errors present		X		X		
E. Reporting limits adjusted to reflect sample dilutions		X		X		

DATA USABILITY SUMMARY REPORT

Notes:

%RSD – relative standard deviation

%R - percent recovery

RPD - relative percent difference,

%D – difference

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹					Noncompliance
					VOC	SVOC	PCB	MET	MISC	
40209774	6/12/2020	SW-846	PAS-BS-146	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-147	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-148	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-243	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-244	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-245	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-342	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-343	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-344	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-440	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-441	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-442	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-546	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-547	Biota	--	--	No	--	--	PCB – Column %D
	6/12/2020	SW-846	PAS-BS-548	Biota	--	--	No	--	--	PCB – Column %D

Note:

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA USABILITY SUMMARY REPORT

VALIDATION PERFORMED BY: Andrew Korycinski

SIGNATURE:



DATE: July 27, 2020

PEER REVIEW: Dennis Capria

DATE: August 12, 2020

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

40809774

Send Results to:	Contact & Company Name:	Telephone:	Preservative	F								Keys Preservation Key: A. H ₂ SO ₄ B. HCL C. HNO ₃ D. NaOH E. None F. Other: <u>0°C</u> G. Other: _____ H. Other: _____ Matrix Key: SO - Soil W - Water T - Tissue SE - Sediment SL - Sludge A - Air NL - NAPL/Oil SW - Sample Wipe Other: _____
	Address:	Fax:	Filtered (✓)	-								
	City	State	Zip	# of Containers	1 Sample							
	E-mail Address:			Container Information	2-Proc							
Project Name/Location (City, State):			PARAMETER ANALYSIS & METHOD									
Project #:			PAS Arcadis 2. L.P.D.S MS/MSD									
Sampler's Printed Name:												
Sampler's Signature:												
Sample ID	Collection	Type (✓)	Matrix	REMARKS								
	Date Time	Comp Grab										
PAS-BS-146 001	6/12/20 1130	X	T	Please Analyze whole-body composite samples as done previously and in accordance with the 1999 Q APP. Please call with any questions (315) 671 9687. Thanks.								
↓ 147 002	↓											
↓ 148 003	↓											
PAS-BS-243 004	1120											
↓ -244 005	↓											
↓ -245 006	↓											
↓ -342 007	1040											
↓ -343 008	↓											
↓ -344 009	↓											
↓ -440 010	1000											
↓ 441 011	↓											
↓ 442 012	↓											
↓ 546 013	1215											
↓ 547 014	↓											
Special Instructions/Comments:	Special QA/QC Instructions(✓):											
548 015												

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name:	Cooler Custody Seal (✓)	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Pace Analytical	Intact ☒ Not Intact ☐	Matt Frackelton							
Specify Turnaround Requirements:	Sample Receipt:	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Standard	Condition/Cooler Temp: 1.5	Firm:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:
Shipping Tracking #:		Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:
3939 6710 9412		6/17/20 1200		6/18/20 0920		6/18/20 0920		6/18/20 0920	

ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-146 **Lab ID: 40209774001** Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11141-16-5	
PCB-1242 (Aroclor 1242)	248	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	12672-29-6	
PCB-1254 (Aroclor 1254)	187 JN	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11097-69-1	
PCB-1260 (Aroclor 1260)	50.4 JN	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11096-82-5	
PCB, Total	486 JN	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	70-106		1	07/09/20 13:44	07/14/20 21:18	877-09-8	
Decachlorobiphenyl (S)	81	%	61-113		1	07/09/20 13:44	07/14/20 21:18	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.0	%			1		07/13/20 13:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-147 **Lab ID: 40209774002** Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11141-16-5	
PCB-1242 (Aroclor 1242)	163	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	12672-29-6	
PCB-1254 (Aroclor 1254)	148 JN	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11097-69-1	
PCB-1260 (Aroclor 1260)	44.8 J	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11096-82-5	
PCB, Total	356 JN	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	70-106		1	07/09/20 13:44	07/14/20 21:40	877-09-8	
Decachlorobiphenyl (S)	84	%	61-113		1	07/09/20 13:44	07/14/20 21:40	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.2	%			1		07/13/20 13:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-148 **Lab ID: 40209774003** Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11141-16-5	
PCB-1242 (Aroclor 1242)	158	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	12672-29-6	
PCB-1254 (Aroclor 1254)	185 JN	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11097-69-1	
PCB-1260 (Aroclor 1260)	60.1 J	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11096-82-5	
PCB, Total	403 JN	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	70-106		1	07/09/20 13:44	07/14/20 22:47	877-09-8	
Decachlorobiphenyl (S)	81	%	61-113		1	07/09/20 13:44	07/14/20 22:47	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.0	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-243 **Lab ID: 40209774004** Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11141-16-5	
PCB-1242 (Aroclor 1242)	195	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	12672-29-6	
PCB-1254 (Aroclor 1254)	53.9 J	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11096-82-5	
PCB, Total	249 J	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/14/20 23:09	877-09-8	
Decachlorobiphenyl (S)	79	%	61-113		1	07/09/20 13:44	07/14/20 23:09	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.5	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-244 **Lab ID: 40209774005** Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11141-16-5	
PCB-1242 (Aroclor 1242)	182	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	12672-29-6	
PCB-1254 (Aroclor 1254)	72.1 JN	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11097-69-1	
PCB-1260 (Aroclor 1260)	19.3J	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11096-82-5	
PCB, Total	273 JN	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	70-106		1	07/09/20 13:44	07/14/20 23:31	877-09-8	
Decachlorobiphenyl (S)	85	%	61-113		1	07/09/20 13:44	07/14/20 23:31	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.9	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-245 **Lab ID: 40209774006** Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11141-16-5	
PCB-1242 (Aroclor 1242)	326	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	12672-29-6	
PCB-1254 (Aroclor 1254)	153 JN	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11097-69-1	
PCB-1260 (Aroclor 1260)	41.1 J	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11096-82-5	
PCB, Total	520 JN	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/14/20 23:53	877-09-8	
Decachlorobiphenyl (S)	82	%	61-113		1	07/09/20 13:44	07/14/20 23:53	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.5	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-342 **Lab ID: 40209774007** Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11141-16-5	
PCB-1242 (Aroclor 1242)	286	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	12672-29-6	
PCB-1254 (Aroclor 1254)	526	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11097-69-1	
PCB-1260 (Aroclor 1260)	144 J	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11096-82-5	
PCB, Total	956 J	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	70-106		2	07/09/20 13:44	07/15/20 00:16	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		2	07/09/20 13:44	07/15/20 00:16	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.4	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-343 **Lab ID: 40209774008** Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11141-16-5	
PCB-1242 (Aroclor 1242)	306	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	12672-29-6	
PCB-1254 (Aroclor 1254)	329	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11097-69-1	
PCB-1260 (Aroclor 1260)	63.4 JN	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11096-82-5	
PCB, Total	698	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	70-106		1	07/09/20 13:44	07/15/20 00:38	877-09-8	
Decachlorobiphenyl (S)	78	%	61-113		1	07/09/20 13:44	07/15/20 00:38	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.5	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-344 **Lab ID: 40209774009** Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11141-16-5	
PCB-1242 (Aroclor 1242)	136 J	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	12672-29-6	
PCB-1254 (Aroclor 1254)	238	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11097-69-1	
PCB-1260 (Aroclor 1260)	54.3J	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11096-82-5	
PCB, Total	429 J	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	70-106		1	07/09/20 13:44	07/15/20 01:00	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		1	07/09/20 13:44	07/15/20 01:00	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.3	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-440 **Lab ID: 40209774010** Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11141-16-5	
PCB-1242 (Aroclor 1242)	119 JN	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	12672-29-6	
PCB-1254 (Aroclor 1254)	358 J	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11097-69-1	
PCB-1260 (Aroclor 1260)	104 JN	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11096-82-5	
PCB, Total	581 JN	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		2	07/09/20 13:44	07/15/20 01:22	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		2	07/09/20 13:44	07/15/20 01:22	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.6	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-441 **Lab ID: 40209774011** Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11141-16-5	
PCB-1242 (Aroclor 1242)	201 JN	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	12672-29-6	
PCB-1254 (Aroclor 1254)	504 J	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11097-69-1	
PCB-1260 (Aroclor 1260)	111 JN	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11096-82-5	
PCB, Total	817 JN	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	70-106		3	07/09/20 13:44	07/15/20 01:44	877-09-8	
Decachlorobiphenyl (S)	76	%	61-113		3	07/09/20 13:44	07/15/20 01:44	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.5	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-442 **Lab ID: 40209774012** Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11141-16-5	
PCB-1242 (Aroclor 1242)	274 J	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	12672-29-6	
PCB-1254 (Aroclor 1254)	630	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11097-69-1	
PCB-1260 (Aroclor 1260)	144 JN	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11096-82-5	
PCB, Total	1050 J	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	70-106		2	07/09/20 13:44	07/15/20 02:06	877-09-8	
Decachlorobiphenyl (S)	83	%	61-113		2	07/09/20 13:44	07/15/20 02:06	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.9	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-546 **Lab ID: 40209774013** Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11141-16-5	
PCB-1242 (Aroclor 1242)	86.4 JN	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	12672-29-6	
PCB-1254 (Aroclor 1254)	299 JN	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11097-69-1	
PCB-1260 (Aroclor 1260)	82.2 JN	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11096-82-5	
PCB, Total	467 JN	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	70-106		2	07/09/20 13:44	07/15/20 02:29	877-09-8	
Decachlorobiphenyl (S)	82	%	61-113		2	07/09/20 13:44	07/15/20 02:29	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.1	%			1		07/13/20 13:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-547 **Lab ID: 40209774014** Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11141-16-5	
PCB-1242 (Aroclor 1242)	115 J	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	12672-29-6	
PCB-1254 (Aroclor 1254)	206 JN	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11097-69-1	
PCB-1260 (Aroclor 1260)	57.3 JN	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11096-82-5	
PCB, Total	379 JN	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/15/20 02:51	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		1	07/09/20 13:44	07/15/20 02:51	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.3	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-548 **Lab ID: 40209774015** Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11141-16-5	
PCB-1242 (Aroclor 1242)	104 J	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	12672-29-6	
PCB-1254 (Aroclor 1254)	225 JN	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11097-69-1	
PCB-1260 (Aroclor 1260)	61.9 JN	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11096-82-5	
PCB, Total	391 JN	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	70-106		1	07/09/20 13:44	07/15/20 03:13	877-09-8	
Decachlorobiphenyl (S)	73	%	61-113		1	07/09/20 13:44	07/15/20 03:13	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.0	%			1		07/13/20 13:09		

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Attachment

Pace Analytical Services - Fish Data



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40209774

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July 15, 2020

Matt Frackleton
Arcadis
One Lincoln Center
110 West Fayette Street, Suite
Syracuse, NY 13202

RE: Project: PAS BIOTA SAMPLING
Pace Project No.: 40209774

Dear Matt Frackleton:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: DAVE BUYS, ARCADIS BBL



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40209774001	PAS-BS-146	Tissue	06/12/20 11:30	06/18/20 09:20
40209774002	PAS-BS-147	Tissue	06/12/20 11:30	06/18/20 09:20
40209774003	PAS-BS-148	Tissue	06/12/20 11:30	06/18/20 09:20
40209774004	PAS-BS-243	Tissue	06/12/20 11:20	06/18/20 09:20
40209774005	PAS-BS-244	Tissue	06/12/20 11:20	06/18/20 09:20
40209774006	PAS-BS-245	Tissue	06/12/20 11:20	06/18/20 09:20
40209774007	PAS-BS-342	Tissue	06/12/20 10:40	06/18/20 09:20
40209774008	PAS-BS-343	Tissue	06/12/20 10:40	06/18/20 09:20
40209774009	PAS-BS-344	Tissue	06/12/20 10:40	06/18/20 09:20
40209774010	PAS-BS-440	Tissue	06/12/20 10:00	06/18/20 09:20
40209774011	PAS-BS-441	Tissue	06/12/20 10:00	06/18/20 09:20
40209774012	PAS-BS-442	Tissue	06/12/20 10:00	06/18/20 09:20
40209774013	PAS-BS-546	Tissue	06/12/20 12:15	06/18/20 09:20
40209774014	PAS-BS-547	Tissue	06/12/20 12:15	06/18/20 09:20
40209774015	PAS-BS-548	Tissue	06/12/20 12:15	06/18/20 09:20

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SAMPLE ANALYTE COUNT

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40209774001	PAS-BS-146	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774002	PAS-BS-147	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774003	PAS-BS-148	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774004	PAS-BS-243	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774005	PAS-BS-244	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774006	PAS-BS-245	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774007	PAS-BS-342	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774008	PAS-BS-343	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774009	PAS-BS-344	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774010	PAS-BS-440	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774011	PAS-BS-441	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774012	PAS-BS-442	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774013	PAS-BS-546	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774014	PAS-BS-547	EPA 8082	BLM	10
		Pace Lipid	ETB	1
40209774015	PAS-BS-548	EPA 8082	BLM	10
		Pace Lipid	ETB	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Method: EPA 8082

Description: 8082 GCS PCB, Tissue

Client: ARCADIS US INC.

Date: July 15, 2020

General Information:

15 samples were analyzed for EPA 8082 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3540 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 359749

S0: Surrogate recovery outside laboratory control limits.

- BLANK (Lab ID: 2080285)
- Tetrachloro-m-xylene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Method: Pace Lipid

Description: Lipid

Client: ARCADIS US INC.

Date: July 15, 2020

General Information:

15 samples were analyzed for Pace Lipid by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-146 Lab ID: 40209774001 Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11141-16-5	
PCB-1242 (Aroclor 1242)	248	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	12672-29-6	
PCB-1254 (Aroclor 1254)	187	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11097-69-1	
PCB-1260 (Aroclor 1260)	50.4	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	11096-82-5	
PCB, Total	486	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 21:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	70-106		1	07/09/20 13:44	07/14/20 21:18	877-09-8	
Decachlorobiphenyl (S)	81	%	61-113		1	07/09/20 13:44	07/14/20 21:18	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.0	%			1		07/13/20 13:06		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-147 Lab ID: 40209774002 Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11141-16-5	
PCB-1242 (Aroclor 1242)	163	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	12672-29-6	
PCB-1254 (Aroclor 1254)	148	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11097-69-1	
PCB-1260 (Aroclor 1260)	44.8	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	11096-82-5	
PCB, Total	356	ug/kg	42.9	21.5	1	07/09/20 13:44	07/14/20 21:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	70-106		1	07/09/20 13:44	07/14/20 21:40	877-09-8	
Decachlorobiphenyl (S)	84	%	61-113		1	07/09/20 13:44	07/14/20 21:40	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.2	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-148 **Lab ID: 40209774003** Collected: 06/12/20 11:30 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11141-16-5	
PCB-1242 (Aroclor 1242)	158	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	12672-29-6	
PCB-1254 (Aroclor 1254)	185	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11097-69-1	
PCB-1260 (Aroclor 1260)	60.1	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	11096-82-5	
PCB, Total	403	ug/kg	33.5	16.8	1	07/09/20 13:44	07/14/20 22:47	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	70-106		1	07/09/20 13:44	07/14/20 22:47	877-09-8	
Decachlorobiphenyl (S)	81	%	61-113		1	07/09/20 13:44	07/14/20 22:47	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.0	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-243 Lab ID: 40209774004 Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11141-16-5	
PCB-1242 (Aroclor 1242)	195	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	12672-29-6	
PCB-1254 (Aroclor 1254)	53.9	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	11096-82-5	
PCB, Total	249	ug/kg	38.8	19.4	1	07/09/20 13:44	07/14/20 23:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/14/20 23:09	877-09-8	
Decachlorobiphenyl (S)	79	%	61-113		1	07/09/20 13:44	07/14/20 23:09	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.5	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-244 **Lab ID: 40209774005** Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11141-16-5	
PCB-1242 (Aroclor 1242)	182	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	12672-29-6	
PCB-1254 (Aroclor 1254)	72.1	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11097-69-1	
PCB-1260 (Aroclor 1260)	19.3J	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	11096-82-5	
PCB, Total	273	ug/kg	25.0	12.5	1	07/09/20 13:44	07/14/20 23:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	70-106		1	07/09/20 13:44	07/14/20 23:31	877-09-8	
Decachlorobiphenyl (S)	85	%	61-113		1	07/09/20 13:44	07/14/20 23:31	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.9	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-245 Lab ID: 40209774006 Collected: 06/12/20 11:20 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11141-16-5	
PCB-1242 (Aroclor 1242)	326	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	12672-29-6	
PCB-1254 (Aroclor 1254)	153	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11097-69-1	
PCB-1260 (Aroclor 1260)	41.1	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	11096-82-5	
PCB, Total	520	ug/kg	28.1	14.1	1	07/09/20 13:44	07/14/20 23:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/14/20 23:53	877-09-8	
Decachlorobiphenyl (S)	82	%	61-113		1	07/09/20 13:44	07/14/20 23:53	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.5	%			1		07/13/20 13:07		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-342 Lab ID: 40209774007 Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11141-16-5	
PCB-1242 (Aroclor 1242)	286	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	12672-29-6	
PCB-1254 (Aroclor 1254)	526	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11097-69-1	
PCB-1260 (Aroclor 1260)	144	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	11096-82-5	
PCB, Total	956	ug/kg	107	53.3	2	07/09/20 13:44	07/15/20 00:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	70-106		2	07/09/20 13:44	07/15/20 00:16	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		2	07/09/20 13:44	07/15/20 00:16	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.4	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-343 **Lab ID: 40209774008** Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11141-16-5	
PCB-1242 (Aroclor 1242)	306	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	12672-29-6	
PCB-1254 (Aroclor 1254)	329	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11097-69-1	
PCB-1260 (Aroclor 1260)	63.4	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	11096-82-5	
PCB, Total	698	ug/kg	48.0	24.0	1	07/09/20 13:44	07/15/20 00:38	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	70-106		1	07/09/20 13:44	07/15/20 00:38	877-09-8	
Decachlorobiphenyl (S)	78	%	61-113		1	07/09/20 13:44	07/15/20 00:38	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	6.5	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-344 **Lab ID: 40209774009** Collected: 06/12/20 10:40 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11141-16-5	
PCB-1242 (Aroclor 1242)	136	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	12672-29-6	
PCB-1254 (Aroclor 1254)	238	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11097-69-1	
PCB-1260 (Aroclor 1260)	54.3J	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	11096-82-5	
PCB, Total	429	ug/kg	76.3	38.2	1	07/09/20 13:44	07/15/20 01:00	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	70-106		1	07/09/20 13:44	07/15/20 01:00	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		1	07/09/20 13:44	07/15/20 01:00	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.3	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-440 Lab ID: 40209774010 Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11141-16-5	
PCB-1242 (Aroclor 1242)	119	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	12672-29-6	
PCB-1254 (Aroclor 1254)	358	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11097-69-1	
PCB-1260 (Aroclor 1260)	104	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	11096-82-5	
PCB, Total	581	ug/kg	50.0	25.0	2	07/09/20 13:44	07/15/20 01:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		2	07/09/20 13:44	07/15/20 01:22	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		2	07/09/20 13:44	07/15/20 01:22	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.6	%			1		07/13/20 13:08		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-441 Lab ID: 40209774011 Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11141-16-5	
PCB-1242 (Aroclor 1242)	201	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	12672-29-6	
PCB-1254 (Aroclor 1254)	504	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11097-69-1	
PCB-1260 (Aroclor 1260)	111	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	11096-82-5	
PCB, Total	817	ug/kg	79.8	39.9	3	07/09/20 13:44	07/15/20 01:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	70-106		3	07/09/20 13:44	07/15/20 01:44	877-09-8	
Decachlorobiphenyl (S)	76	%	61-113		3	07/09/20 13:44	07/15/20 01:44	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.5	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-442 Lab ID: 40209774012 Collected: 06/12/20 10:00 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11141-16-5	
PCB-1242 (Aroclor 1242)	274	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	12672-29-6	
PCB-1254 (Aroclor 1254)	630	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11097-69-1	
PCB-1260 (Aroclor 1260)	144	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	11096-82-5	
PCB, Total	1050	ug/kg	74.6	37.3	2	07/09/20 13:44	07/15/20 02:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	70-106		2	07/09/20 13:44	07/15/20 02:06	877-09-8	
Decachlorobiphenyl (S)	83	%	61-113		2	07/09/20 13:44	07/15/20 02:06	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	4.9	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-546 Lab ID: 40209774013 Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11141-16-5	
PCB-1242 (Aroclor 1242)	86.4	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	12672-29-6	
PCB-1254 (Aroclor 1254)	299	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11097-69-1	
PCB-1260 (Aroclor 1260)	82.2	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	11096-82-5	
PCB, Total	467	ug/kg	53.9	27.0	2	07/09/20 13:44	07/15/20 02:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	70-106		2	07/09/20 13:44	07/15/20 02:29	877-09-8	
Decachlorobiphenyl (S)	82	%	61-113		2	07/09/20 13:44	07/15/20 02:29	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	7.1	%			1		07/13/20 13:09		

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-547 Lab ID: 40209774014 Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue									
Analytical Method: EPA 8082 Preparation Method: EPA 3540									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11141-16-5	
PCB-1242 (Aroclor 1242)	115	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	12672-29-6	
PCB-1254 (Aroclor 1254)	206	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11097-69-1	
PCB-1260 (Aroclor 1260)	57.3	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	11096-82-5	
PCB, Total	379	ug/kg	27.9	14.0	1	07/09/20 13:44	07/15/20 02:51	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	70-106		1	07/09/20 13:44	07/15/20 02:51	877-09-8	
Decachlorobiphenyl (S)	80	%	61-113		1	07/09/20 13:44	07/15/20 02:51	2051-24-3	
Lipid									
Analytical Method: Pace Lipid									
Pace Analytical Services - Green Bay									
Lipid	5.3	%			1		07/13/20 13:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Sample: PAS-BS-548 Lab ID: 40209774015 Collected: 06/12/20 12:15 Received: 06/18/20 09:20 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, Tissue Analytical Method: EPA 8082 Preparation Method: EPA 3540 Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11141-16-5	
PCB-1242 (Aroclor 1242)	104	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	12672-29-6	
PCB-1254 (Aroclor 1254)	225	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11097-69-1	
PCB-1260 (Aroclor 1260)	61.9	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	11096-82-5	
PCB, Total	391	ug/kg	38.3	19.1	1	07/09/20 13:44	07/15/20 03:13	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	70-106		1	07/09/20 13:44	07/15/20 03:13	877-09-8	
Decachlorobiphenyl (S)	73	%	61-113		1	07/09/20 13:44	07/15/20 03:13	2051-24-3	
Lipid Analytical Method: Pace Lipid Pace Analytical Services - Green Bay									
Lipid	5.0	%			1		07/13/20 13:09		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PAS BIOTA SAMPLING
Pace Project No.: 40209774

QC Batch:	359749	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3540	Analysis Description:	8082 GCS Tissue Pesticides
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40209774001, 40209774002, 40209774003, 40209774004, 40209774005, 40209774006, 40209774007, 40209774008, 40209774009, 40209774010, 40209774011, 40209774012, 40209774013, 40209774014, 40209774015

METHOD BLANK:	2080285	Matrix:	Tissue

Associated Lab Samples: 40209774001, 40209774002, 40209774003, 40209774004, 40209774005, 40209774006, 40209774007, 40209774008, 40209774009, 40209774010, 40209774011, 40209774012, 40209774013, 40209774014, 40209774015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1221 (Aroclor 1221)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1232 (Aroclor 1232)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1242 (Aroclor 1242)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1248 (Aroclor 1248)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1254 (Aroclor 1254)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
PCB-1260 (Aroclor 1260)	ug/kg	ND	25.0	12.5	07/14/20 19:49	
Decachlorobiphenyl (S)	%	61	61-113		07/14/20 19:49	
Tetrachloro-m-xylene (S)	%	64	70-106		07/14/20 19:49	S0

LABORATORY CONTROL SAMPLE: 2080286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		ND			
PCB-1221 (Aroclor 1221)	ug/kg		ND			
PCB-1232 (Aroclor 1232)	ug/kg		ND			
PCB-1242 (Aroclor 1242)	ug/kg		ND			
PCB-1248 (Aroclor 1248)	ug/kg		ND			
PCB-1254 (Aroclor 1254)	ug/kg	250	196	78	72-104	
PCB-1260 (Aroclor 1260)	ug/kg		ND			
Decachlorobiphenyl (S)	%			74	61-113	
Tetrachloro-m-xylene (S)	%			80	70-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2080287 2080288

Parameter	Units	40209774002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND			ND	ND					20	
PCB-1221 (Aroclor 1221)	ug/kg	ND			ND	ND					20	
PCB-1232 (Aroclor 1232)	ug/kg	ND			ND	ND					20	
PCB-1242 (Aroclor 1242)	ug/kg	163			185	202				9	20	
PCB-1248 (Aroclor 1248)	ug/kg	ND			ND	ND					20	
PCB-1254 (Aroclor 1254)	ug/kg	148	1710	1740	1400	1510	73	78	53-127	7	20	
PCB-1260 (Aroclor 1260)	ug/kg	44.8			ND	ND					20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2080287 2080288												
		40209774002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Decachlorobiphenyl (S)	%						76	81	61-113			
Tetrachloro-m-xylene (S)	%						77	81	70-106			

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QUALITY CONTROL DATA

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

QC Batch:	360018	Analysis Method:	Pace Lipid
QC Batch Method:	Pace Lipid	Analysis Description:	LIPID
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40209774001, 40209774002, 40209774003, 40209774004, 40209774005, 40209774006, 40209774007, 40209774008, 40209774009, 40209774010, 40209774011, 40209774012, 40209774013, 40209774014, 40209774015		

METHOD BLANK:	2081876	Matrix:	Tissue
Associated Lab Samples:	40209774001, 40209774002, 40209774003, 40209774004, 40209774005, 40209774006, 40209774007, 40209774008, 40209774009, 40209774010, 40209774011, 40209774012, 40209774013, 40209774014, 40209774015		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lipid	%	0.41			07/13/20 13:06	

SAMPLE DUPLICATE: 2081877

Parameter	Units	40209774002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	5.2	5.3	2	20	

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QUALIFIERS

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PAS BIOTA SAMPLING

Pace Project No.: 40209774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40209774001	PAS-BS-146	EPA 3540	359749	EPA 8082	359963
40209774002	PAS-BS-147	EPA 3540	359749	EPA 8082	359963
40209774003	PAS-BS-148	EPA 3540	359749	EPA 8082	359963
40209774004	PAS-BS-243	EPA 3540	359749	EPA 8082	359963
40209774005	PAS-BS-244	EPA 3540	359749	EPA 8082	359963
40209774006	PAS-BS-245	EPA 3540	359749	EPA 8082	359963
40209774007	PAS-BS-342	EPA 3540	359749	EPA 8082	359963
40209774008	PAS-BS-343	EPA 3540	359749	EPA 8082	359963
40209774009	PAS-BS-344	EPA 3540	359749	EPA 8082	359963
40209774010	PAS-BS-440	EPA 3540	359749	EPA 8082	359963
40209774011	PAS-BS-441	EPA 3540	359749	EPA 8082	359963
40209774012	PAS-BS-442	EPA 3540	359749	EPA 8082	359963
40209774013	PAS-BS-546	EPA 3540	359749	EPA 8082	359963
40209774014	PAS-BS-547	EPA 3540	359749	EPA 8082	359963
40209774015	PAS-BS-548	EPA 3540	359749	EPA 8082	359963
40209774001	PAS-BS-146	Pace Lipid	360018		
40209774002	PAS-BS-147	Pace Lipid	360018		
40209774003	PAS-BS-148	Pace Lipid	360018		
40209774004	PAS-BS-243	Pace Lipid	360018		
40209774005	PAS-BS-244	Pace Lipid	360018		
40209774006	PAS-BS-245	Pace Lipid	360018		
40209774007	PAS-BS-342	Pace Lipid	360018		
40209774008	PAS-BS-343	Pace Lipid	360018		
40209774009	PAS-BS-344	Pace Lipid	360018		
40209774010	PAS-BS-440	Pace Lipid	360018		
40209774011	PAS-BS-441	Pace Lipid	360018		
40209774012	PAS-BS-442	Pace Lipid	360018		
40209774013	PAS-BS-546	Pace Lipid	360018		
40209774014	PAS-BS-547	Pace Lipid	360018		
40209774015	PAS-BS-548	Pace Lipid	360018		

REPORT OF LABORATORY ANALYSIS

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ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

40009774

Send Results to:	Contact & Company Name:	Telephone:	Preservative	F								Keys Preservation Key: A. H ₂ SO ₄ B. HCL C. HNO ₃ D. NaOH E. None F. Other: <u>0°C</u> G. Other: _____ H. Other: _____ Matrix Key: SO - Soil W - Water T - Tissue SE - Sediment SL - Sludge A - Air NL - NAPL/Oil SW - Sample Wipe Other: _____	
	Address:	Fax:	Filtered (✓)	-									
	City	State	Zip	# of Containers	1 Sample								
	E-mail Address:			Container Information	2-Proc								
Project Name/Location (City, State):			PARAMETER ANALYSIS & METHOD										
Project #:			PAS Arcadis 2. L.P.D.S MS/MSD										
Sampler's Printed Name:													
Sampler's Signature:													
Sample ID			Collection	Type (✓)	Matrix	REMARKS							
			Date	Time	Comp							Grab	
PAS-BS-146 001			6/12/20	1130	X		T	X	X				Please Analyze whole-body composite samples as done previously and in accordance with the 1999 Q APP. Please call with any questions (315) 671 9687. Thanks.
↓ ↓ 147 002			↓	↓									
↓ ↓ 148 003			↓	↓									
PAS-BS-243 004				1120									
↓ -244 005			↓	↓									
↓ -245 006			↓	↓									
↓ -342 007			↓	1040									
↓ -343 008			↓	↓									
↓ -344 009			↓	↓									
↓ -440 010			↓	1000									
↓ 441 011			↓	↓									
↓ 442 012			↓	↓									
↓ 546 013			↓	1215									
↓ 547 014			↓	↓									
Special Instructions/Comments:			Special QA/QC Instructions(✓):										
548 015													

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name:	Cooler Custody Seal (✓)	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Pace Analytical	Intact ☒ Not Intact ☐	Matt Frackelton							
Cooler packed with ice (✓)		Signature:	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
						Feed ex			
Specify Turnaround Requirements:	Sample Receipt:	Firm:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:	Firm/Courier:
Standard		Arcadis							
Shipping Tracking #:	Condition/Cooler Temp: 1.5	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:
3939 6710 9412		6/17/20 1200				6/18/20 0920			6/18/20 0920

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Arcadis

Project # 46209774

All containers needing preservation have been checked and noted below: ☐ Yes ☒ No ☒ N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

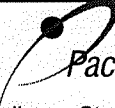
Initial when completed:

Date/Time:

Pace Lab #	Glass							Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T							
001																															2.5 / 5 / 10
002																															2.5 / 5 / 10
003																															2.5 / 5 / 10
004																															2.5 / 5 / 10
005																															2.5 / 5 / 10
006																															2.5 / 5 / 10
007																															2.5 / 5 / 10
008																															2.5 / 5 / 10
009																															2.5 / 5 / 10
010																															2.5 / 5 / 10
011																															2.5 / 5 / 10
012																															2.5 / 5 / 10
013																															2.5 / 5 / 10
014																															2.5 / 5 / 10
015																															2.5 / 5 / 10
016																															2.5 / 5 / 10
017																															2.5 / 5 / 10
018																															2.5 / 5 / 10
019																															2.5 / 5 / 10
020																															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐ Yes ☒ No ☒ N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Arcadis

Project #:

WO# : 40209774

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Walto
☐ Client ☐ Pace Other: _____



Tracking #: 393A 6710 9412

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other

Thermometer Used SR - 90 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

Cooler Temperature Uncorr: 1 / Corr: 15

☒ Samples on ice, cooling process has begun

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☒ no

Person examining contents:

Date: 6/18/20 / Initials: JL

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: JL

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☐ Yes ☒ No ☐ N/A	2. <u>No ID#, Lab Work order#, i, project # JL 6/18/20</u>
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☒ Yes ☐ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☐ Yes ☒ No ☐ N/A	12. <u>No time/Date collected on samples JL 6/18/20</u>
-Includes date/time/ID/Analysis Matrix: <u>B</u>		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir



CASE NARRATIVE - PCB ANALYSIS

Lab Report Number (SDG): 40209774

Client: ARCADIS

Project Name: PAS BIOTA SAMPLING

Project Number: N/A

1. RECEIPT

Samples were received on ice at 1.5°C. Samples were kept frozen at less than -10°C until time of extraction.

2. HOLDING TIMES

- A. **Sample Preparation:** The samples were kept frozen prior to extraction, therefore the sample hold-time criteria is not applicable.
- B. **Sample Analysis:** All method specified holding times were met.

3. METHOD

Preparation: SW-846 3540C

Analysis: SW-846 8082

4. PREPARATION

Sample preparation proceeded normally. All samples went through florisil and acid clean-up procedures prior to analysis.

5. ANALYSIS

- A. **Calibration:**
 - 1. **Initial verification:** All method acceptance criteria were met for both the quantitation and confirmation columns.
 - 2. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met with the following exception. The TCMX recovery for method blank 2080285 was below control criteria. Pace Analytical Services, LLC, SOP allows one surrogate recovery to be outside control criteria, so no corrective action was taken. The out of control surrogate was given the "S0" data qualifier on the final report. The surrogates are only evaluated on the quantitation column.
- D. **Spikes:**
 - 1. **Lab Control Spike (LCS):** The control spike was fortified with Aroclor 1254 and met the in-house accuracy criteria.
 - 2. **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** Sample PAS-BS-147 was designated as the parent sample for the MS/MSD for this SDG. The MS/MSD required a 1:4 dilution to bring the fortified Aroclor within instrument calibration range. The in-house accuracy and precision criteria were met.
- E. **Samples:** Sample analyses proceeded normally. RTX-CLP is the quantitation column. RTX-CLP2 (RTX-CLP II) is the confirmation column.
- F. **Sample Duplicate:** A sample duplicate was not performed with this SDG.
- G. **Dilutions:**

<u>Sample ID</u>	<u>Reason for dilution</u>
PAS-BS-342	To bring Aroclors within instrument calibration range
PAS-BS-440	To bring Aroclors within instrument calibration range
PAS-BS-441	To bring Aroclors within instrument calibration range
PAS-BS-442	To bring Aroclors within instrument calibration range
PAS-BS-546	To bring Aroclors within instrument calibration range
- H. **Reanalysis:** None required for this SDG.
- I. **Comments:** Due to rounding differences in the software programs used, the values found on the quantitation reports may not match the values found on the sample Form 1s.



I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, LLC**, and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this completed data package:

Signed: Leigh A Begalske Date: 07/15/20

Name: Leigh A. Begalske Position: Quality Assurance Auditor

PCB - FORM II SVOA-1
TISSUE SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40209774 Contract: PAS BIOTA SAMPLING

Instrument ID: 40GCSC

LAB SAMPLE ID	SAMPLE NAME	DCBP	TCMX
2080285	2080285BLANK	61	64*
2080286	2080286LCS	74	80
2080287	2080287MS	76	77
2080288	2080288MSD	81	81
40209774001	PAS-BS-146	81	88
40209774002	PAS-BS-147	84	87
40209774003	PAS-BS-148	81	86
40209774004	PAS-BS-243	79	81
40209774005	PAS-BS-244	85	88
40209774006	PAS-BS-245	82	81
40209774007	PAS-BS-342	80	78
40209774008	PAS-BS-343	78	80
40209774009	PAS-BS-344	80	80
40209774010	PAS-BS-440	80	81
40209774011	PAS-BS-441	76	76
40209774012	PAS-BS-442	83	82
40209774013	PAS-BS-546	82	83
40209774014	PAS-BS-547	80	81
40209774015	PAS-BS-548	73	71

(DCBP) = Decachlorobiphenyl (S)

(TCMX) = Tetrachloro-m-xylene (S)

* Values outside of QC Limits

QC LIMITS

(61-113)

(70-106)

PCB - FORM III SVOA-1
TISSUE LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay
Date Extracted: 07/09/2020
Instrument: 40GCSC
Lab File ID: 071320A.B\A713101.D

Lab Sample ID: 2080286LCS
Date Analyzed (1): 07/14/2020
LCS Lot No: 257411
SDG No.: 40209774

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1254 (Aroclor 1254)	250	196	78	72-104

Spike Recovery: 0 out of 1 outside limits.

07/15/2020 1:41

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green BayMatrix Spike - Sample No: 2080287MSDate Extracted: 07/09/2020Date Analyzed (1): 07/14/2020Instrument: 40GCSCLab File ID: 071320A.BVA713102.DParent Sample ID: PAS-BS-147SDG No.: 40209774

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1254 (Aroclor 1254)	1710	148	1400	73	53-127

Spike Recovery: 0 out of 1 outside limits.

07/15/2020 1:41

PCB - FORM III SVOA-2

TISSUE SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 40GCSC Matrix Spike Duplicate - Sample No: 2080288MSD
Lab File ID (2): 071320A.BVA713103.D Date Analyzed (2): 07/14/2020

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1254 (Aroclor 1254)	1740	1510	78	7	0-20	53-127

RPD: 0 out of 1 outside limits.

Spike Recovery: 0 out of 1 outside limits.

07/15/2020 1:41

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2080285BLANK

Lab Name: Pace Analytical - Green Bay SDG No.: 40209774 Contract: PAS BIOTA SAMPLING

Instrument ID: 40GCSC Matrix: Tissue Lab Sample ID: 2080285

Lab File ID (1): 071320A.B\A713100.D Date Analyzed (1): 07/14/2020 Time (1):19:49

Lab File ID (2): 071320B.B\B713100.D Date Analyzed (2): 07/14/2020 Time (2):19:49

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2080286LCS	2080286	071320A.B\A713101.D	07/14/2020 20:11
2080286LCS	2080286	071320B.B\B713101.D	07/14/2020 20:11
2080287MS	2080287	071320A.B\A713102.D	07/14/2020 20:33
2080287MS	2080287	071320B.B\B713102.D	07/14/2020 20:33
2080288MSD	2080288	071320A.B\A713103.D	07/14/2020 20:56
2080288MSD	2080288	071320B.B\B713103.D	07/14/2020 20:56
PAS-BS-146	40209774001	071320A.B\A713104.D	07/14/2020 21:18
PAS-BS-146	40209774001	071320B.B\B713104.D	07/14/2020 21:18
PAS-BS-147	40209774002	071320A.B\A713105.D	07/14/2020 21:40
PAS-BS-147	40209774002	071320B.B\B713105.D	07/14/2020 21:40
PAS-BS-148	40209774003	071320A.B\A713108.D	07/14/2020 22:47
PAS-BS-148	40209774003	071320B.B\B713108.D	07/14/2020 22:47
PAS-BS-243	40209774004	071320A.B\A713109.D	07/14/2020 23:09
PAS-BS-243	40209774004	071320B.B\B713109.D	07/14/2020 23:09
PAS-BS-244	40209774005	071320A.B\A713110.D	07/14/2020 23:31
PAS-BS-244	40209774005	071320B.B\B713110.D	07/14/2020 23:31
PAS-BS-245	40209774006	071320A.B\A713111.D	07/14/2020 23:53
PAS-BS-245	40209774006	071320B.B\B713111.D	07/14/2020 23:53
PAS-BS-342	40209774007	071320A.B\A713112.D	07/15/2020 00:16
PAS-BS-342	40209774007	071320B.B\B713112.D	07/15/2020 00:16
PAS-BS-343	40209774008	071320A.B\A713113.D	07/15/2020 00:38
PAS-BS-343	40209774008	071320B.B\B713113.D	07/15/2020 00:38
PAS-BS-344	40209774009	071320A.B\A713114.D	07/15/2020 01:00
PAS-BS-344	40209774009	071320B.B\B713114.D	07/15/2020 01:00
PAS-BS-440	40209774010	071320A.B\A713115.D	07/15/2020 01:22
PAS-BS-440	40209774010	071320B.B\B713115.D	07/15/2020 01:22
PAS-BS-441	40209774011	071320A.B\A713116.D	07/15/2020 01:44
PAS-BS-441	40209774011	071320B.B\B713116.D	07/15/2020 01:44
PAS-BS-442	40209774012	071320A.B\A713117.D	07/15/2020 02:06
PAS-BS-442	40209774012	071320B.B\B713117.D	07/15/2020 02:06
PAS-BS-546	40209774013	071320A.B\A713118.D	07/15/2020 02:29
PAS-BS-546	40209774013	071320B.B\B713118.D	07/15/2020 02:29
PAS-BS-547	40209774014	071320A.B\A713119.D	07/15/2020 02:51
PAS-BS-547	40209774014	071320B.B\B713119.D	07/15/2020 02:51
PAS-BS-548	40209774015	071320A.B\A713120.D	07/15/2020 03:13
PAS-BS-548	40209774015	071320B.B\B713120.D	07/15/2020 03:13

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-146

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 21:18
Initial wt/vol: 20.039 g Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774001
Lab File ID: 071320A.BIA713104.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	248	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	187	
11096-82-5	PCB-1260 (Aroclor 1260)	50.4	
1336-36-3	PCB, Total	486	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713104.d
Lab Smp Id: 40209774001 Client Smp ID: PAS-BS-146
Inj Date : 14-JUL-2020 21:18
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774001
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.039	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	2461	1848	0.751	0.04		
3.177	2378	2475	1.041	0.04		
3.215	2791	2525	0.905	0.05		
3.528	864	907	1.050	0.01		
3.550	2001	1545	0.772	0.03		
3.653	14478	13010	0.899	0.26		
3.803	2011	1399	0.696	0.03		
3.927	616	627	1.017	0.01		
4.085	1107	871	0.787	0.02		
4.127	46329	23976	0.518	0.83		
4.293	1203	729	0.606	0.02		
4.382	10863	6175	0.568	0.19		
4.600	2258	1556	0.689	0.04		
4.667	25942	20468	0.789	0.47		
4.700	51552	37271	0.723	0.93		
4.745	512258	393035	0.767	9.28	\$ 2 Tetrachloro-m-xylene	
4.928	7100	4849	0.683	0.12		
5.065	3356	2800	0.834	0.06		
5.097	31279	20499	0.655	0.56		
5.145	70401	44893	0.638	1.27	3 Aroclor 1242	
5.197	12761	6747	0.529	0.23		
5.288	46504	33350	0.717	0.84		
5.365	81118	59342	0.732	1.47		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.440	36480	20720	0.568	0.66	
5.543	61929	29662	0.479	1.12	
5.657	57123	39124	0.685	1.03	
5.722	68486	44597	0.651	1.24	
5.798	4862	3733	0.768	0.08	
5.840	1969	1453	0.738	0.03	
5.933	68036	36504	0.537	1.23	
5.978	46412	40822	0.880	0.84	3 Aroclor 1242
6.002	109127	73768	0.676	1.97	3 Aroclor 1242
6.053	12027	8778	0.730	0.21	
6.093	3531	2691	0.762	0.06	
6.127	20936	15750	0.752	0.37	
6.152	12005	9726	0.810	0.21	
6.187	27303	19277	0.706	0.49	3 Aroclor 1242
6.288	85817	67659	0.788	1.55	
6.313	85116	68798	0.808	1.54	
6.345	71042	52131	0.734	1.28	
6.412	2103	1295	0.616	0.03	
6.493	112210	64022	0.571	2.03	
6.568	49485	39301	0.794	0.89	
6.605	37166	20966	0.564	0.67	
6.697	18425	12681	0.688	0.33	
6.742	7801	6265	0.803	0.14	
6.778	35895	27360	0.762	0.65	
6.813	48794	41292	0.846	0.88	
6.848	59735	48630	0.814	1.08	3 Aroclor 1242
6.873	111441	75648	0.679	2.01	
6.940	3337	2683	0.804	0.06	
6.977	33410	25756	0.771	0.60	
7.015	129142	84412	0.654	2.34	
7.050	86688	64746	0.747	1.57	
7.098	5912	5108	0.864	0.10	
7.120	12151	7448	0.613	0.22	
7.183	42592	31571	0.741	0.77	
7.205	48226	41077	0.852	0.87	16 Aroclor 1254
7.233	902172	813461	0.902	16.86	16 Aroclor 1254
7.275	51797	43771	0.845	0.93	
7.332	124958	106744	0.854	2.26	16 Aroclor 1254
7.363	39611	27668	0.698	0.71	
7.412	21877	15854	0.725	0.39	
7.427	20836	17250	0.828	0.37	
7.465	68381	56888	0.832	1.23	28 Aroclor 1260
7.500	22445	15594	0.695	0.40	
7.537	108836	87977	0.808	1.97	16 Aroclor 1254
7.557	22825	17389	0.762	0.41	
7.620	30830	27163	0.881	0.55	
7.662	127501	116511	0.914	2.31	28 Aroclor 1260
7.680	131563	112823	0.858	2.38	
7.745	88336	55169	0.625	1.60	16 Aroclor 1254
7.793	9764	8317	0.852	0.17	
7.828	12645	11101	0.878	0.22	
7.868	161910	117846	0.728	2.93	16 Aroclor 1254
7.942	76000	63558	0.836	1.37	28 Aroclor 1260
7.975	43507	23427	0.538	0.78	
8.043	7173	5542	0.773	0.13	
8.078	33983	23950	0.705	0.61	16 Aroclor 1254
8.120	30651	25268	0.824	0.55	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.152	26463	20892	0.789	0.47	
8.187	12025	8754	0.728	0.21	
8.252	16355	12826	0.784	0.29	
8.287	42622	29278	0.687	0.77	
8.338	84374	71286	0.845	1.52	28 Aroclor 1260
8.368	12190	10351	0.849	0.22	
8.400	21623	15933	0.737	0.39	
8.565	57450	32769	0.570	1.04	
8.618	22338	12751	0.571	0.40	
8.775	3369	2240	0.665	0.06	
8.830	1624	1239	0.763	0.02	
8.867	7937	5539	0.698	0.14	28 Aroclor 1260
8.908	9104	6374	0.700	0.16	
8.998	928	633	0.682	0.01	
9.083	14159	9352	0.660	0.25	28 Aroclor 1260
9.138	3900	2358	0.605	0.07	
9.222	456	244	0.535	0.00	
9.253	437	267	0.611	0.00	
9.315	548	322	0.588	0.00	
9.362	5803	3616	0.623	0.10	
9.563	468209	285313	0.609	8.48	\$ 42 Decachlorobiphenyl
9.752	4599	2140	0.465	0.08	
9.835	3067	992	0.323	0.05	
9.975	3195	1546	0.484	0.05	
10.113	1558	533	0.342	0.02	
10.210	1810	800	0.442	0.03	
10.572	5141	1954	0.380	0.09	
	5517225	4149924		100.000	

Total unknown % area = 42

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713104.d
Lab Smp Id: 40209774001 Client Smp ID: PAS-BS-146
Inj Date : 14-JUL-2020 21:18
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774001
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.039	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	512257	0.08818	44				
3 Aroclor 1242					CAS #: 53469-21-9				
5.145	5.123	0.022	70400	0.90362	450	0.00-	20.00	100.00 (M)	
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	
5.978	5.960	0.018	46412	0.35199	180	0.00-	20.00	65.93	
6.001	5.982	0.019	109126	0.47422	240	0.00-	20.00	155.01	
6.186	6.169	0.017	27302	0.26181	130	0.00-	20.00	38.78	
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	
Average of Peak Concentrations =					250				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.205	7.193	0.012	48226	0.42804	210	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.331	7.320	0.011	124958	0.34229	170	0.00-	20.00	259.11	CO
7.536	7.524	0.012	108836	0.38703	190	0.00-	20.00	225.68	CO
7.745	7.733	0.012	88336	0.39824	200	0.00-	20.00	183.17	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	33982	0.32078	160	0.00-	20.00	70.46	CO
Average of Peak Concentrations =					190				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	30651	0.11852	59	0.00-	20.00	0.00	CO
8.338	8.325	0.013	84373	0.13788	69	0.00-	20.00	0.00	CO
8.866	8.850	0.016	7937	0.07439	37	0.00-	20.00	0.00	CO
9.083	9.068	0.015	14159	0.07287	36	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					50				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	468208	0.08097	40				

QC Flag Legend

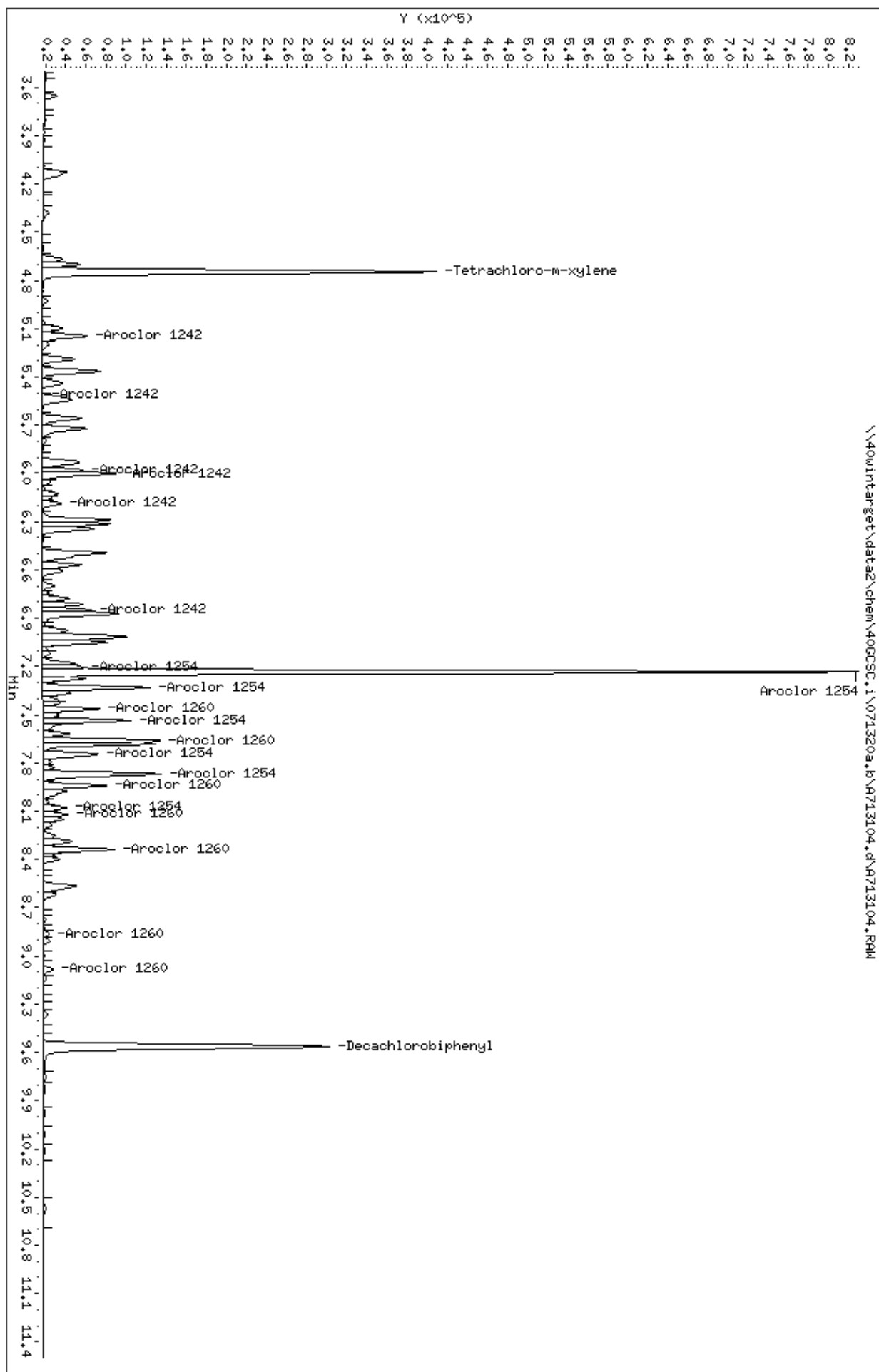
M - Compound response manually integrated.

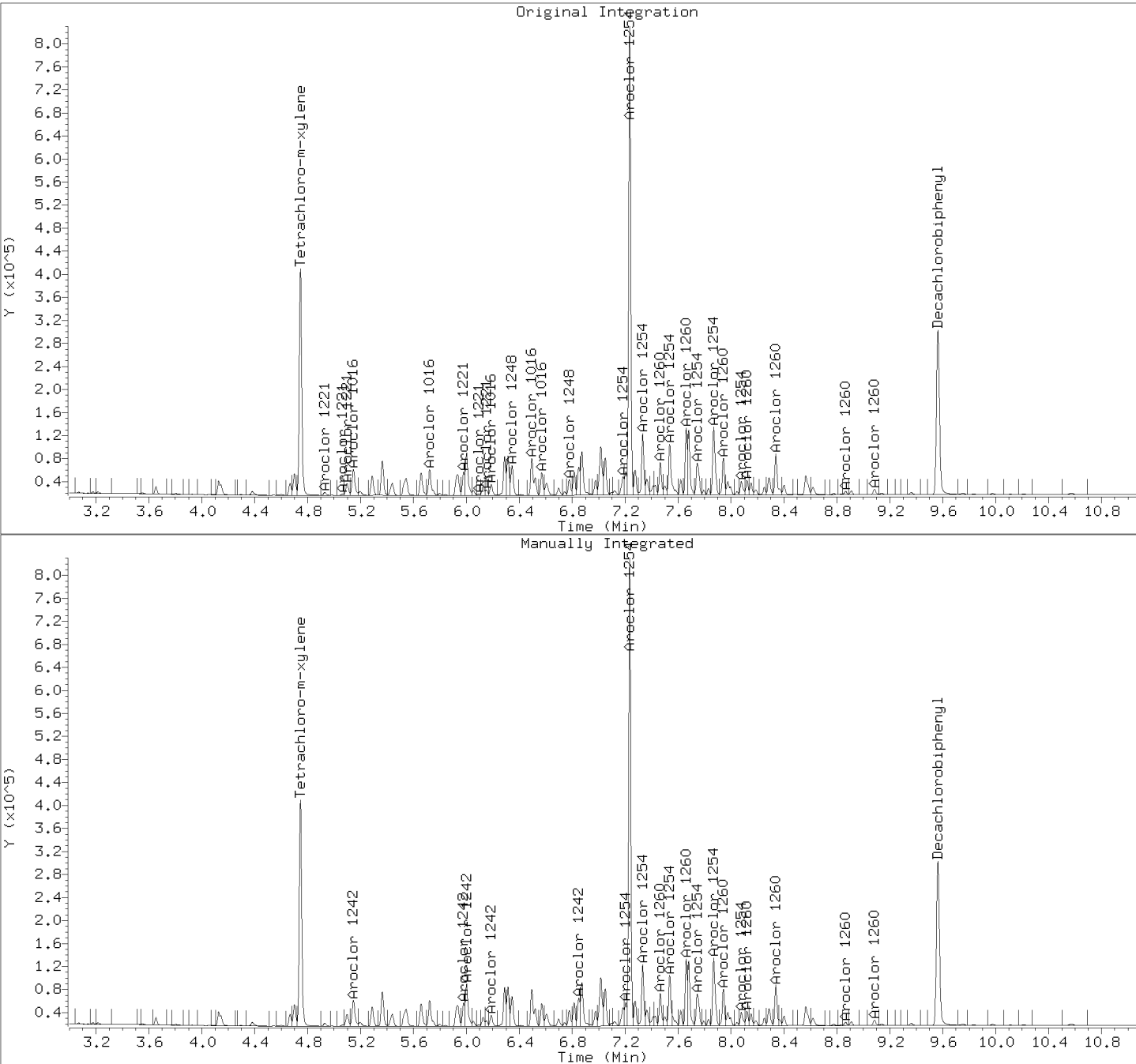
Review Codes Legend

:
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713104.d
Date : 14-JUL-2020 21:18
Client ID: PAS-B8-146
Sample Info: 40209774001
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1016	69455	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	
Aroclor 1221	7099	0	

Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1232	7099	0	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1242	0	70400	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1248	44301	0	
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1254	41032	48226	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Aroclor 1260	67618	0	CO
Tetrachloro-m-xylene	512257	512257	
Decachlorobiphenyl	468208	468208	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713104.d
Lab Smp Id: 40209774001 Client Smp ID: PAS-BS-146
Inj Date : 14-JUL-2020 21:18
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774001
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.039	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	1237	1244	1.006	0.02		
3.442	1858	1774	0.955	0.03		
3.573	13362	13833	1.035	0.27		
3.607	1209	1207	0.998	0.02		
3.652	731	501	0.685	0.01		
3.687	765	728	0.951	0.01		
3.738	516	382	0.740	0.01		
3.875	480	339	0.707	0.00		
3.977	26560	25355	0.955	0.53		
4.115	965	291	0.302	0.01		
4.190	16508	13689	0.829	0.33		
4.255	1934	1255	0.649	0.03		
4.288	11809	8012	0.678	0.23		
4.343	2020	965	0.478	0.04		
4.450	943	572	0.606	0.01		
4.480	3404	2391	0.702	0.06		
4.520	1434	779	0.543	0.02		
4.570	1090	576	0.528	0.02		
4.682	445067	378299	0.850	9.03	\$ 2 Tetrachloro-m-xylene	
4.743	2720	2207	0.811	0.05		
4.773	28769	23980	0.834	0.58		
4.798	44187	32356	0.732	0.89		
4.938	19003	13435	0.707	0.38		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.982	7855	5779	0.736	0.15	
5.028	8111	4785	0.590	0.16	
5.093	1205	831	0.690	0.02	
5.133	27022	20564	0.761	0.54	
5.202	71200	51165	0.719	1.44	3 Aroclor 1242
5.297	78257	56736	0.725	1.58	
5.373	2186	924	0.423	0.04	
5.443	42169	32983	0.782	0.85	
5.528	1405	473	0.337	0.02	
5.618	21194	21799	1.029	0.43	3 Aroclor 1242
5.635	37249	29480	0.791	0.75	
5.678	10789	7773	0.720	0.21	
5.733	47175	38947	0.826	0.95	
5.792	1498	1205	0.804	0.03	
5.828	56080	48407	0.863	1.13	
5.862	11506	8266	0.718	0.23	
5.923	942	860	0.913	0.01	
5.953	34884	31155	0.893	0.70	
5.982	36314	30814	0.849	0.73	
6.040	40235	43982	1.093	0.81	3 Aroclor 1242
6.060	105500	82437	0.781	2.14	
6.175	19810	9085	0.459	0.40	
6.222	3269	2757	0.843	0.06	
6.275	24359	20629	0.847	0.49	3 Aroclor 1242
6.307	11483	9822	0.855	0.23	
6.350	75640	67771	0.896	1.53	
6.390	78578	70335	0.895	1.59	
6.422	67953	52480	0.772	1.37	
6.483	5707	2796	0.490	0.11	
6.587	72774	64055	0.880	1.47	
6.623	38787	31513	0.812	0.78	
6.690	70014	54047	0.772	1.42	
6.752	4810	3157	0.656	0.09	
6.813	22064	18451	0.836	0.44	
6.842	34264	29394	0.858	0.69	
6.892	55881	47126	0.843	1.13	3 Aroclor 1242
6.930	119401	101201	0.848	2.42	3 Aroclor 1242
6.992	18249	15822	0.867	0.37	
7.022	24550	22005	0.896	0.49	
7.068	89763	68485	0.763	1.82	
7.115	101025	82024	0.812	2.05	
7.160	51896	32997	0.636	1.05	
7.205	17666	15599	0.883	0.35	
7.247	12487	8635	0.692	0.25	
7.310	822568	733873	0.892	17.32	16 Aroclor 1254
7.383	44943	40455	0.900	0.91	
7.423	150440	102874	0.684	3.05	16 Aroclor 1254
7.497	20630	11857	0.575	0.41	
7.560	86101	62507	0.726	1.74	16 Aroclor 1254
7.582	103586	90650	0.875	2.10	
7.657	30884	26983	0.874	0.62	
7.702	122582	108718	0.887	2.48	28 Aroclor 1260
7.730	99006	92979	0.939	2.01	
7.835	97297	58187	0.598	1.97	16 Aroclor 1254
7.882	10776	8225	0.763	0.21	
7.915	11215	10124	0.903	0.22	
7.958	145811	85527	0.587	2.96	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.017	62933	55629	0.884	1.27	28 Aroclor 1260
8.055	25328	20057	0.792	0.51	
8.118	6905	6487	0.940	0.14	
8.140	5032	4878	0.969	0.10	
8.170	12126	10641	0.878	0.24	
8.227	44650	24648	0.552	0.90	16 Aroclor 1254
8.282	19028	15312	0.805	0.38	
8.327	33106	16384	0.495	0.67	28 Aroclor 1260
8.400	80650	61841	0.767	1.63	
8.453	2747	1829	0.666	0.05	
8.515	1568	1177	0.750	0.03	
8.557	25767	22636	0.878	0.52	
8.638	900	787	0.875	0.01	28 Aroclor 1260
8.683	57017	30581	0.536	1.15	
8.722	17063	10061	0.590	0.34	
8.887	2782	1747	0.628	0.05	
8.947	1796	1435	0.799	0.03	
9.032	1711	1513	0.884	0.03	28 Aroclor 1260
9.058	6808	4291	0.630	0.13	
9.190	12718	8494	0.668	0.25	28 Aroclor 1260
9.332	8467	6022	0.711	0.17	
9.413	1482	725	0.489	0.03	\$ 42 Decachlorobiphenyl
9.532	4243	2875	0.678	0.08	
9.573	4061	1829	0.450	0.08	
9.693	776	383	0.493	0.01	
9.835	436924	264360	0.605	8.87	
10.247	578	188	0.325	0.01	
10.453	5516	1973	0.358	0.11	
10.565	503	250	0.497	0.01	
10.600	725	379	0.523	0.01	
10.965	1415	665	0.470	0.02	
11.418	3902	1569	0.402	0.07	
4924844		3888326	100.000		

Total unknown % area = 42

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713104.d
Lab Smp Id: 40209774001 Client Smp ID: PAS-BS-146
Inj Date : 14-JUL-2020 21:18
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774001
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.039	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	445067	0.08963	45								
3 Aroclor 1242										CAS #: 53469-21-9			
5.201	5.179	0.022	71200	0.95940	480	0.00-	20.00	100.00					
5.618	5.597	0.021	21194	0.15323	76	0.00-	20.00	29.77					
6.040	6.021	0.019	40235	0.30764	150	0.00-	20.00	56.51					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.275	6.257	0.018	24359	0.27529	140	0.00-	20.00	34.21					
6.891	6.876	0.015	55880	0.50559	250	0.00-	20.00	78.48					
6.930	6.916	0.014	119401	0.90021	450	0.00-	20.00	167.70					
Average of Peak Concentrations =					260								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET RANGE	RATIO		
====	=====	=====	=====	=====	=====	=====	=====	=====	
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00 (A)	
7.310	7.322	-0.012	822568	4.42042	2200	0.00-	20.00	0.00	
7.423	7.409	0.014	150439	0.39607	200	0.00-	20.00	0.00	
7.560	7.568	-0.008	86100	0.32622	160	0.00-	20.00	0.00	
7.835	7.822	0.013	97297	0.59263	300	0.00-	20.00	0.00	
7.958	7.947	0.011	145810	0.44257	220	0.00-	20.00	0.00	
8.226	8.200	0.026	44649	0.47691	240	0.00-	20.00	0.00	
Average of Peak Concentrations =					550				

28 Aroclor 1260			CAS #: 11096-82-5						
7.560	7.548	0.012	86100	0.34413	170	0.00-	20.00	100.00	
7.701	7.688	0.013	122582	0.45737	230	0.00-	20.00	142.37	
8.016	8.002	0.014	62932	0.27789	140	0.00-	20.00	73.09	
8.226	8.214	0.012	44649	0.18870	94	0.00-	20.00	51.86	
8.400	8.384	0.016	80650	0.17064	85	0.00-	20.00	93.67	
9.031	9.040	-0.009	1710	0.02239	11	0.00-	20.00	1.99	
9.190	9.171	0.019	12718	0.08362	42	0.00-	20.00	14.77	
Average of Peak Concentrations =					110				

\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	436924	0.08284	41				

QC Flag Legend

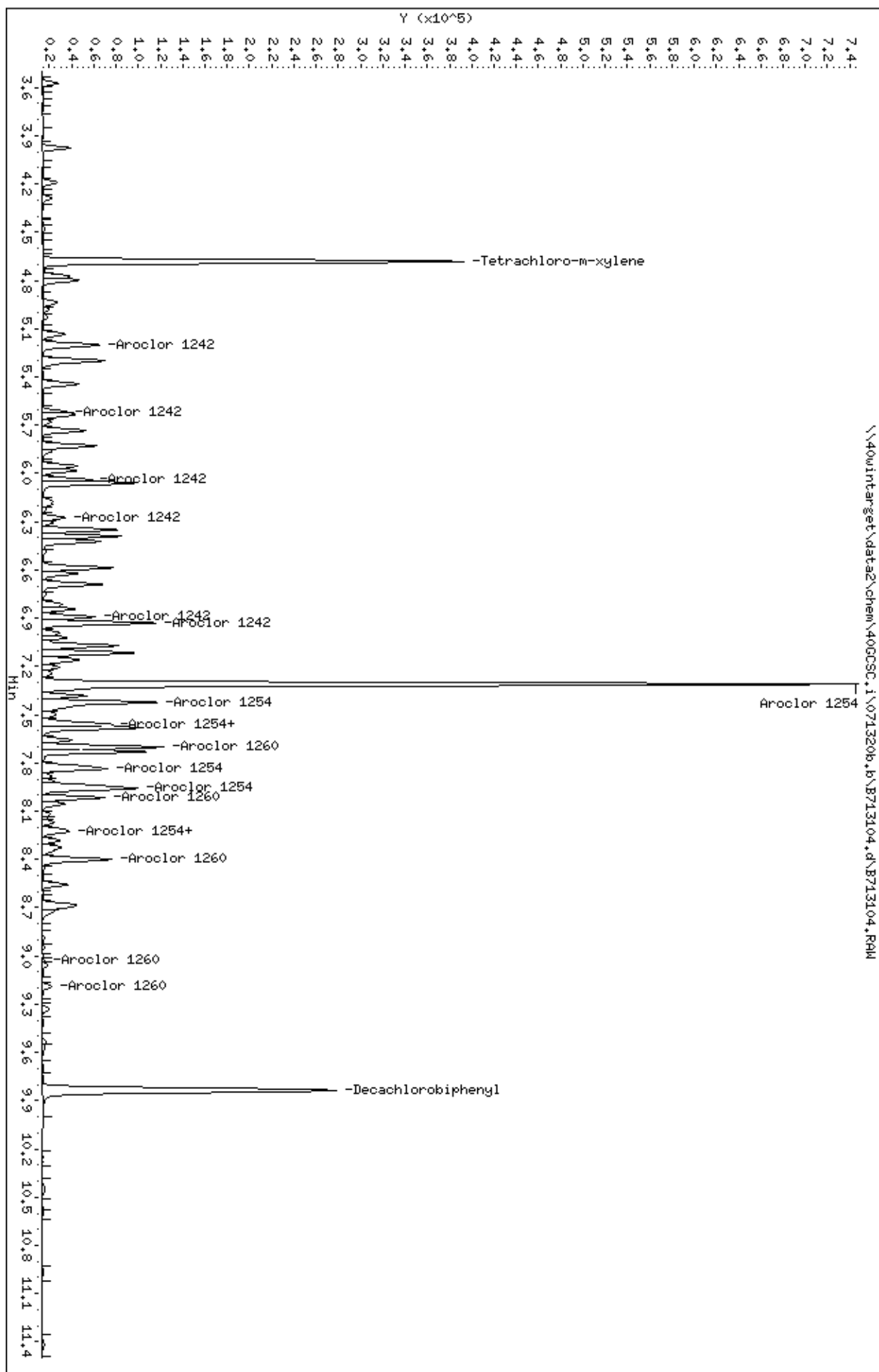
A - Target compound detected but, quantitated amount exceeded maximum amount.

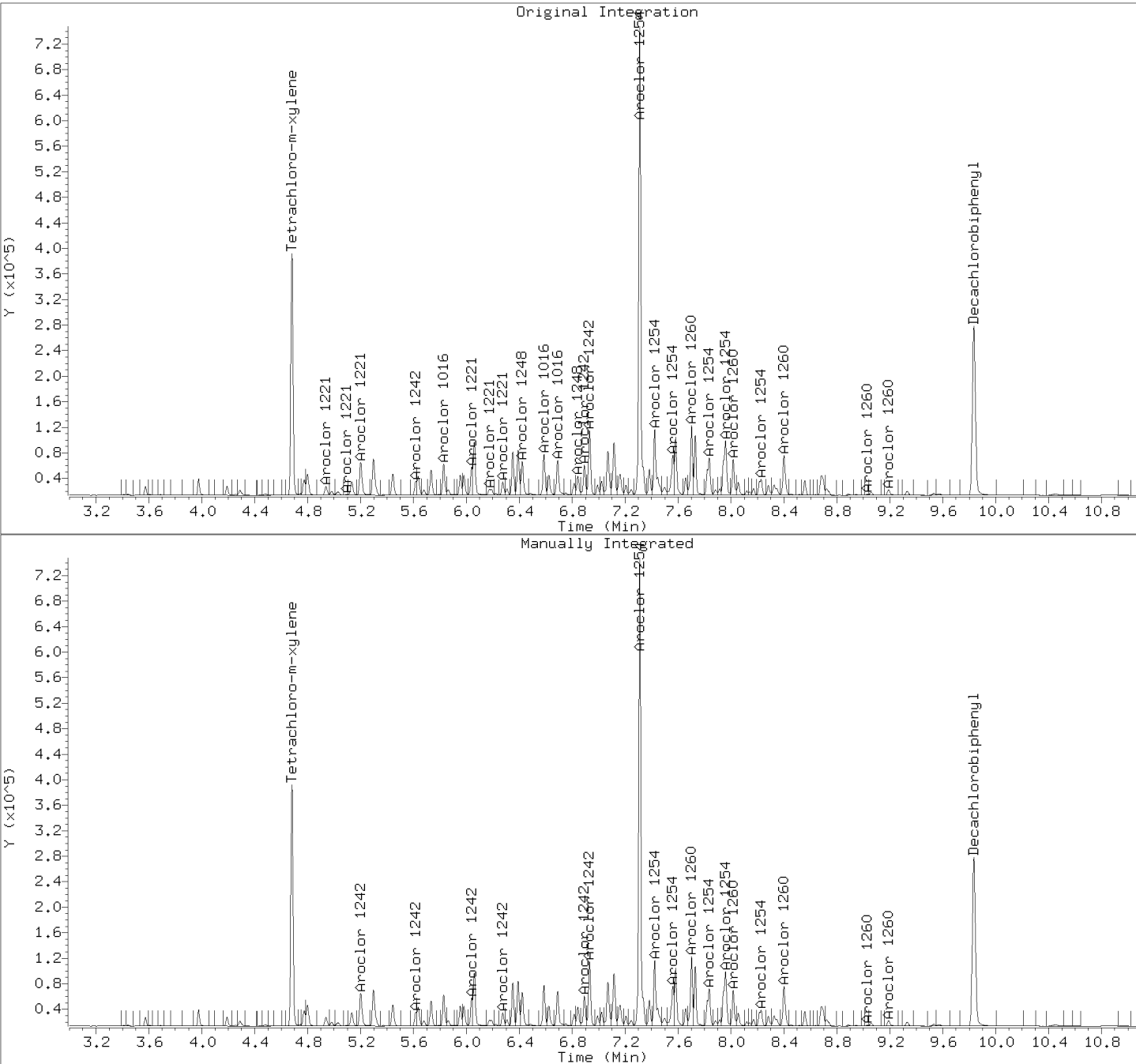
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713104.d
Date : 14-JUL-2020 21:18
Client ID: PAS-B8-146
Sample Info: 40209774001
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1016	71200	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	
Aroclor 1221	19003	0	

Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1232	19003	0
Aroclor 1242	71200	71200
Aroclor 1242	71200	71200
Aroclor 1242	71200	71200
Aroclor 1242	71200	71200
Aroclor 1242	71200	71200
Aroclor 1242	71200	71200
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1248	40235	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Aroclor 1260	86100	86100
Tetrachloro-m-xylene	445067	445067
Decachlorobiphenyl	436924	436924
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-147

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 21:40
Initial wt/vol: 11.6537 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774002
Lab File ID: 071320A.BIA713105.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	163	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	148	
11096-82-5	PCB-1260 (Aroclor 1260)	44.8	
1336-36-3	PCB, Total	356	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713105.d
Lab Smp Id: 40209774002 Client Smp ID: PAS-BS-147
Inj Date : 14-JUL-2020 21:40
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774002
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.654	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	6981	5824	0.834	0.23		
3.177	7918	7894	0.997	0.26		
3.215	2441	2134	0.874	0.08		
3.552	6007	3958	0.659	0.20		
3.653	11469	10743	0.937	0.39		
3.805	1689	1324	0.784	0.05		
3.927	2475	2267	0.916	0.08		
4.127	96701	78499	0.812	3.29		
4.275	640	278	0.434	0.02		
4.382	5579	2401	0.430	0.18		
4.600	2373	1858	0.783	0.08		
4.668	10153	7314	0.720	0.34		
4.702	20810	14541	0.699	0.70		
4.747	503594	374177	0.743	17.72	\$ 2 Tetrachloro-m-xylene	
4.930	2903	1851	0.638	0.09		
5.067	3767	2705	0.718	0.12		
5.098	11958	7392	0.618	0.40		
5.147	26078	15900	0.610	0.88	3 Aroclor 1242	BA
5.195	6920	3434	0.496	0.23		
5.288	17809	12605	0.708	0.60		
5.365	31351	21793	0.695	1.06		
5.442	28228	18279	0.648	0.96		
5.545	24784	11497	0.464	0.84		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.658	21977	14482	0.659	0.74	
5.723	25888	16202	0.626	0.88	
5.798	2824	2131	0.755	0.09	
5.842	1086	704	0.648	0.03	
5.887	1076	822	0.764	0.03	
5.932	29480	15228	0.517	1.00	
5.980	17840	16163	0.906	0.60	3 Aroclor 1242
6.002	41324	28049	0.679	1.40	3 Aroclor 1242
6.023	5734	7441	1.298	0.19	
6.053	5460	3708	0.679	0.18	
6.093	1312	1028	0.783	0.04	
6.127	15296	7369	0.482	0.52	
6.188	11321	7540	0.666	0.38	3 Aroclor 1242
6.290	37140	29743	0.801	1.26	
6.315	40386	30852	0.764	1.37	
6.345	32147	23272	0.724	1.09	
6.412	1127	750	0.665	0.03	
6.495	48153	26648	0.553	1.63	
6.570	21210	16372	0.772	0.72	
6.608	17916	9360	0.522	0.60	
6.698	7951	5320	0.669	0.27	
6.743	3073	2546	0.829	0.10	
6.778	14244	10931	0.767	0.48	
6.815	21905	17949	0.819	0.74	3 Aroclor 1242
6.850	24221	20677	0.854	0.82	3 Aroclor 1242
6.873	51013	31024	0.608	1.73	
6.978	14490	11409	0.787	0.49	
7.017	57801	39390	0.681	1.96	
7.050	42415	30669	0.723	1.44	
7.107	2057	1639	0.797	0.06	
7.120	4139	3140	0.759	0.14	
7.185	18407	12990	0.706	0.62	
7.207	21096	18271	0.866	0.71	16 Aroclor 1254
7.235	206284	180752	0.876	7.01	16 Aroclor 1254
7.277	24172	19268	0.797	0.82	
7.333	54888	46969	0.856	1.86	16 Aroclor 1254
7.362	15809	11340	0.717	0.53	
7.412	18118	7596	0.419	0.61	
7.465	32068	25918	0.808	1.09	28 Aroclor 1260
7.502	9650	6874	0.712	0.32	
7.537	51685	41088	0.795	1.75	16 Aroclor 1254
7.580	5243	3855	0.735	0.17	
7.620	14949	13103	0.876	0.50	
7.662	94326	56179	0.596	3.20	28 Aroclor 1260
7.720	196	986	5.041	0.00	
7.747	39950	24282	0.608	1.35	16 Aroclor 1254
7.795	4632	3932	0.849	0.15	
7.830	6138	5452	0.888	0.20	
7.868	84619	61434	0.726	2.87	16 Aroclor 1254
7.943	35704	29610	0.829	1.21	28 Aroclor 1260
7.975	21838	11623	0.532	0.74	
8.043	3458	2707	0.783	0.11	
8.078	17250	12420	0.720	0.58	16 Aroclor 1254
8.120	14412	11644	0.808	0.49	28 Aroclor 1260
8.152	12991	10225	0.787	0.44	
8.187	5885	4299	0.730	0.20	
8.252	7760	5956	0.768	0.26	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.287	23317	16602	0.712	0.79	
8.338	42515	34986	0.823	1.44	28 Aroclor 1260
8.367	6093	5185	0.851	0.20	
8.402	13142	9937	0.756	0.44	
8.493	461	251	0.544	0.01	
8.565	30192	17177	0.569	1.02	
8.617	11052	6462	0.585	0.37	
8.692	678	339	0.500	0.02	
8.777	2138	1471	0.688	0.07	
8.830	752	639	0.850	0.02	
8.865	4686	2987	0.637	0.15	28 Aroclor 1260
8.908	5159	3479	0.674	0.17	
9.000	643	403	0.627	0.02	
9.055	66	100	1.515	0.00	
9.083	7673	5239	0.683	0.26	28 Aroclor 1260
9.140	2594	1245	0.480	0.08	
9.218	275	150	0.545	0.00	
9.257	348	188	0.540	0.01	
9.315	338	182	0.539	0.01	
9.362	3831	2356	0.615	0.13	
9.447	190	84	0.442	0.00	
9.563	487006	293113	0.602	16.57	\$ 42 Decachlorobiphenyl
9.752	3008	1327	0.441	0.10	
9.835	2538	974	0.384	0.08	
9.975	3363	1588	0.472	0.11	
10.110	1989	628	0.316	0.06	
10.210	1540	635	0.412	0.05	
10.300	1121	373	0.333	0.03	
10.570	4740	2012	0.424	0.16	
11.043	1083	291	0.269	0.03	
	2938690	2080402		100.000	

Total unknown % area = 37

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713105.d
Lab Smp Id: 40209774002 Client Smp ID: PAS-BS-147
Inj Date : 14-JUL-2020 21:40
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774002
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.654	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.746	4.726	0.020	503593	0.08669	74				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	26078	0.33472	290	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	17839	0.13529	120	0.00-	20.00	68.41	BA
6.001	5.982	0.019	41324	0.17958	150	0.00-	20.00	158.46	BA
6.188	6.169	0.019	11320	0.10855	93	0.00-	20.00	43.41	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					160				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(	)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	21096	0.18724	160	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	54888	0.15035	130	0.00-	20.00	260.18	CO
7.536	7.524	0.012	51684	0.18379	160	0.00-	20.00	244.99	CO
7.746	7.733	0.013	39949	0.18010	150	0.00-	20.00	189.37	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	17250	0.16284	140	0.00-	20.00	81.77	CO
Average of Peak Concentrations =					150				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	14412	0.05573	48	0.00-	20.00	0.00	CO
8.338	8.325	0.013	42514	0.06947	60	0.00-	20.00	0.00	CO
8.865	8.850	0.015	4685	0.04391	38	0.00-	20.00	0.00	CO
9.083	9.068	0.015	7673	0.03949	34	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					45				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	487005	0.08422	72			(M)	BA

QC Flag Legend

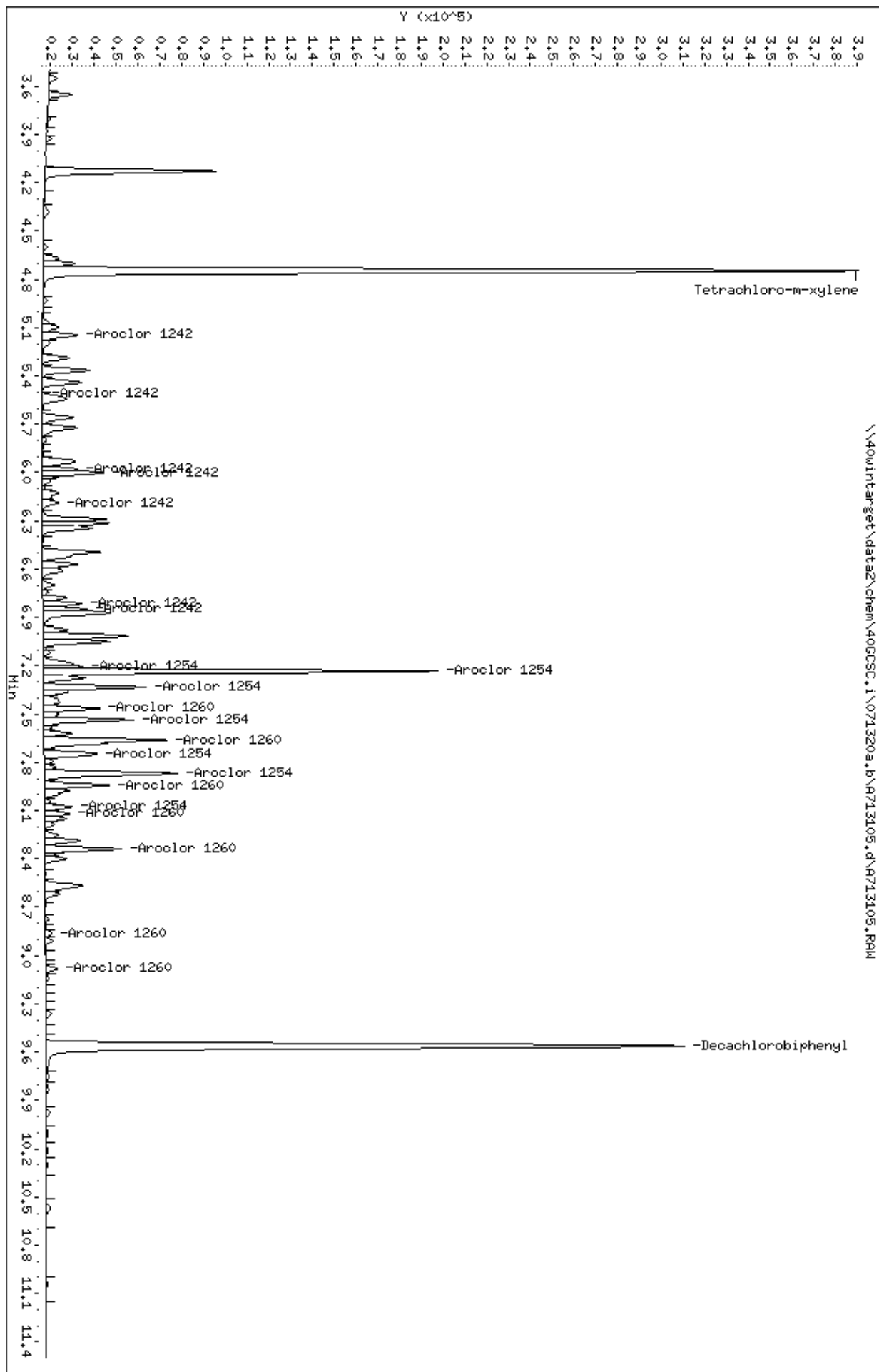
M - Compound response manually integrated.

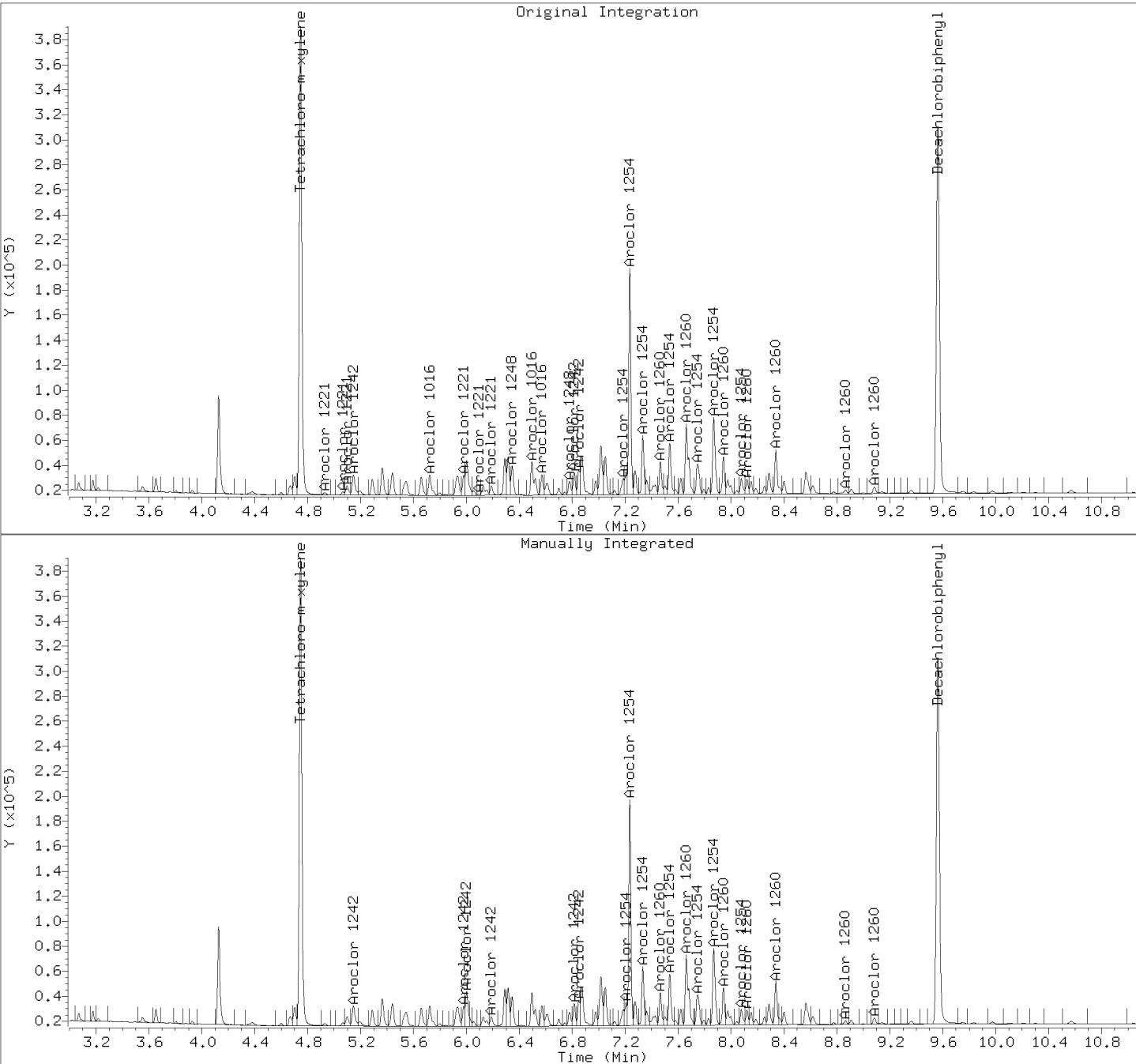
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713105.d
Date : 14-JUL-2020 21:40
Client ID: PAS-B8-147
Sample Info: 40209774002
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1016	25684	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	
Aroclor 1221	2903	0	

Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1232	2903	0	
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1242	25684	26078	BA
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1248	16838	0	
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1254	17728	21096	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Aroclor 1260	31722	0	CO
Tetrachloro-m-xylene	503593	503593	
Decachlorobiphenyl	490193	487005	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713105.d
Lab Smp Id: 40209774002 Client Smp ID: PAS-BS-147
Inj Date : 14-JUL-2020 21:40
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774002
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.654	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.235	556	410	0.737	0.02		
3.283	813	340	0.418	0.02		
3.332	883	622	0.705	0.03		
3.375	1306	563	0.431	0.04		
3.412	932	736	0.789	0.03		
3.443	4674	4652	0.995	0.16		
3.507	562	274	0.488	0.02		
3.575	12900	11793	0.914	0.46		
3.608	2424	1158	0.478	0.08		
3.687	3252	2472	0.760	0.11		
3.877	443	335	0.757	0.01		
3.977	83750	82234	0.982	3.04		
4.080	941	508	0.540	0.03		
4.115	2379	1154	0.485	0.08		
4.190	6848	5563	0.812	0.24		
4.255	1084	643	0.593	0.03		
4.288	5792	3141	0.542	0.21		
4.480	4640	2750	0.593	0.16		
4.520	1309	757	0.578	0.04		
4.563	771	383	0.497	0.02		
4.682	449310	377123	0.839	16.33	\$ 2 Tetrachloro-m-xylene	
4.745	2927	2204	0.753	0.10		
4.773	11486	9382	0.817	0.41		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.798	20372	14124	0.693	0.74	
4.938	18958	12613	0.665	0.68	
4.982	4076	2697	0.662	0.14	
5.025	7460	4056	0.544	0.27	
5.093	1958	1111	0.567	0.07	
5.135	12746	8283	0.650	0.46	
5.202	30561	19845	0.649	1.11	3 Aroclor 1242
5.298	32583	23035	0.707	1.18	
5.375	1471	832	0.566	0.05	
5.443	20582	13444	0.653	0.74	
5.527	3201	830	0.259	0.11	
5.618	11248	9500	0.845	0.40	3 Aroclor 1242
5.637	15215	11854	0.779	0.55	
5.680	5558	3334	0.600	0.20	
5.733	20787	15509	0.746	0.75	
5.793	3198	2218	0.694	0.11	
5.828	23258	18752	0.806	0.84	
5.863	6463	4187	0.648	0.23	
5.923	2461	1257	0.511	0.08	
5.953	17074	14663	0.859	0.62	
5.982	16809	12890	0.767	0.61	
6.060	66353	35086	0.529	2.41	3 Aroclor 1242
6.175	9332	4093	0.439	0.33	
6.225	2068	1459	0.705	0.07	
6.275	11474	8976	0.782	0.41	3 Aroclor 1242
6.307	5896	4593	0.779	0.21	
6.350	35292	30813	0.873	1.28	
6.390	37016	31879	0.861	1.34	
6.423	30909	24000	0.776	1.12	
6.485	8874	3899	0.439	0.32	
6.587	33188	28397	0.856	1.20	
6.623	18746	14240	0.760	0.68	
6.690	36685	23880	0.651	1.33	
6.815	10996	8426	0.766	0.39	
6.843	14995	12495	0.833	0.54	
6.892	25574	20166	0.789	0.92	3 Aroclor 1242
6.930	54358	44035	0.810	1.97	3 Aroclor 1242
6.992	8978	7653	0.852	0.32	
7.022	12901	11128	0.863	0.46	
7.070	42888	33148	0.773	1.55	
7.117	45942	37055	0.807	1.67	
7.162	23742	14295	0.602	0.86	
7.205	6618	5325	0.805	0.24	
7.247	6223	4373	0.703	0.22	
7.310	211633	174813	0.826	7.69	16 Aroclor 1254
7.383	21522	19092	0.887	0.78	
7.423	67690	47847	0.707	2.46	16 Aroclor 1254
7.497	10526	5766	0.548	0.38	
7.562	40201	29284	0.728	1.46	16 Aroclor 1254
7.582	50142	41788	0.833	1.82	
7.658	16318	13346	0.818	0.59	
7.702	56354	53433	0.948	2.04	28 Aroclor 1260
7.730	24032	19450	0.809	0.87	
7.835	46020	26188	0.569	1.67	16 Aroclor 1254
7.883	5617	4330	0.771	0.20	
7.915	5946	5355	0.901	0.21	
7.958	77522	48261	0.623	2.81	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.017	30278	27151	0.897	1.10	28 Aroclor 1260
8.055	12726	9587	0.753	0.46	
8.118	6012	3188	0.530	0.21	
8.170	6657	5719	0.859	0.24	
8.215	22275	11150	0.501	0.80	16 Aroclor 1254
8.282	9718	7676	0.790	0.35	
8.325	16726	7913	0.473	0.60	28 Aroclor 1260
8.400	39960	30333	0.759	1.45	
8.453	1419	926	0.653	0.05	
8.515	901	606	0.673	0.03	
8.557	14883	12920	0.868	0.54	28 Aroclor 1260
8.637	604	403	0.668	0.02	
8.683	31779	16809	0.529	1.15	
8.722	8576	5205	0.607	0.31	
8.888	1429	912	0.638	0.05	28 Aroclor 1260
8.945	1288	1063	0.825	0.04	
9.032	1247	1028	0.825	0.04	
9.058	3417	2182	0.639	0.12	
9.190	6660	4484	0.673	0.24	28 Aroclor 1260
9.332	4902	3405	0.695	0.17	
9.415	902	433	0.480	0.03	
9.532	3090	2082	0.674	0.11	
9.565	3122	1522	0.487	0.11	\$ 42 Decachlorobiphenyl
9.692	828	327	0.395	0.03	
9.835	452248	276804	0.612	16.98	
10.442	4339	1512	0.348	0.15	
10.600	815	397	0.487	0.02	
10.967	990	485	0.490	0.03	
11.417	4103	1648	0.402	0.14	
2750489		2040468	100.000		

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713105.d
Lab Smp Id: 40209774002 Client Smp ID: PAS-BS-147
Inj Date : 14-JUL-2020 21:40
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774002
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.654	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	449309	0.09048	78								
3 Aroclor 1242										CAS #: 53469-21-9			
5.201	5.179	0.022	30560	0.41179	350	0.00-	20.00	100.00					
5.618	5.597	0.021	11247	0.08131	70	0.00-	20.00	36.80					
0.000	6.021	-6.021	0	0.00	0.00	0.00-	20.00	0.00					
6.060	6.040	0.020	66353	0.30911	260	0.00-	20.00	217.12					
6.275	6.257	0.018	11474	0.12967	110	0.00-	20.00	37.55					
6.891	6.876	0.015	25573	0.23138	200	0.00-	20.00	83.68					
6.930	6.916	0.014	54358	0.40983	350	0.00-	20.00	177.87					
Average of Peak Concentrations =					220								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	211633	1.13730	980	0.00-	20.00	0.00	
7.423	7.409	0.014	67690	0.17821	150	0.00-	20.00	0.00	
7.561	7.568	-0.007	40200	0.15231	130	0.00-	20.00	0.00	
7.835	7.822	0.013	46019	0.28030	240	0.00-	20.00	0.00	
7.958	7.947	0.011	77522	0.23530	200	0.00-	20.00	0.00	
8.215	8.200	0.015	22274	0.23791	200	0.00-	20.00	0.00	
Average of Peak Concentrations =					320				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	40200	0.16068	140	0.00-	20.00	100.00	
7.701	7.688	0.013	56354	0.21026	180	0.00-	20.00	140.18	
8.016	8.002	0.014	30277	0.13370	110	0.00-	20.00	75.32	
8.215	8.214	0.001	22274	0.09414	81	0.00-	20.00	55.41	
8.400	8.384	0.016	39959	0.08454	72	0.00-	20.00	99.40	
9.031	9.040	-0.009	1246	0.01631	14	0.00-	20.00	3.10	
9.190	9.171	0.019	6660	0.04379	38	0.00-	20.00	16.57	
Average of Peak Concentrations =					91				

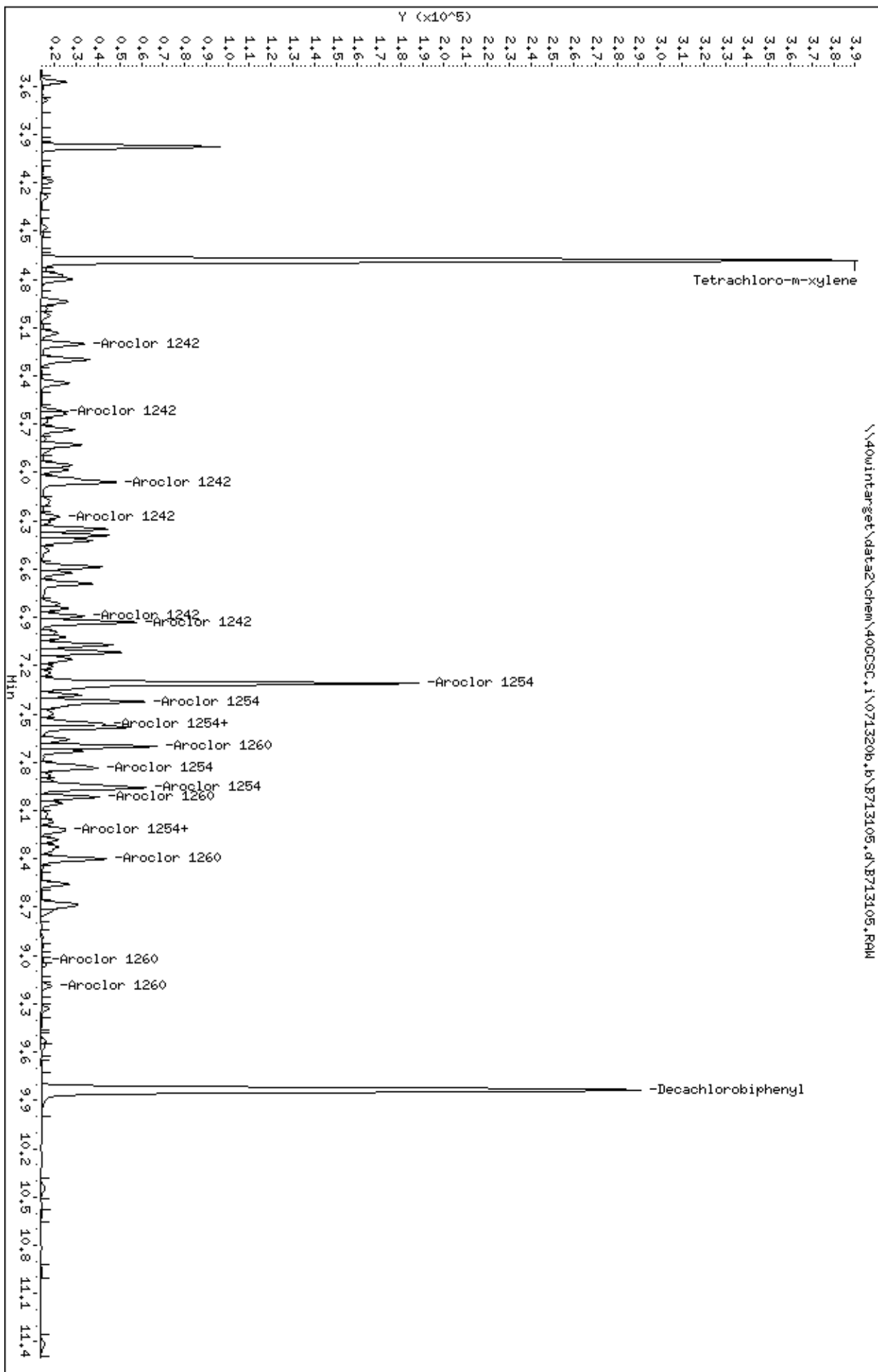
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	452247	0.08575	74				

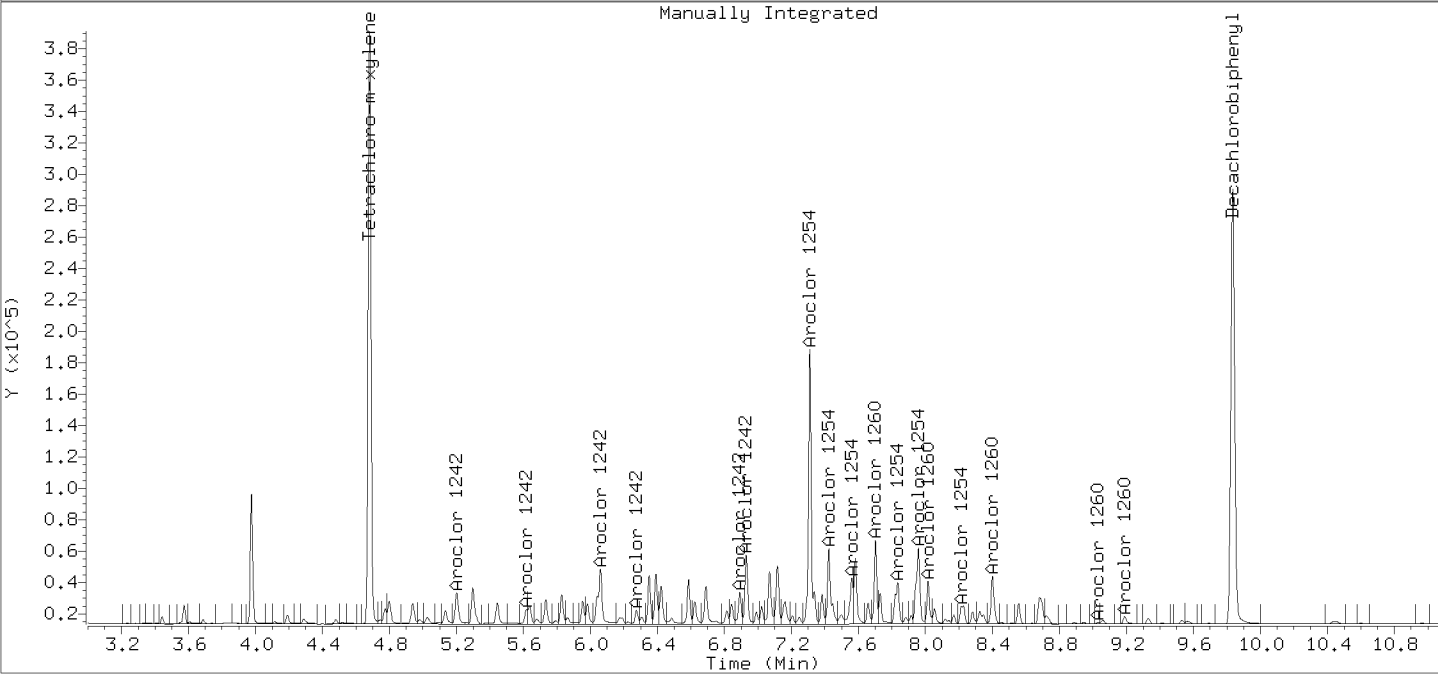
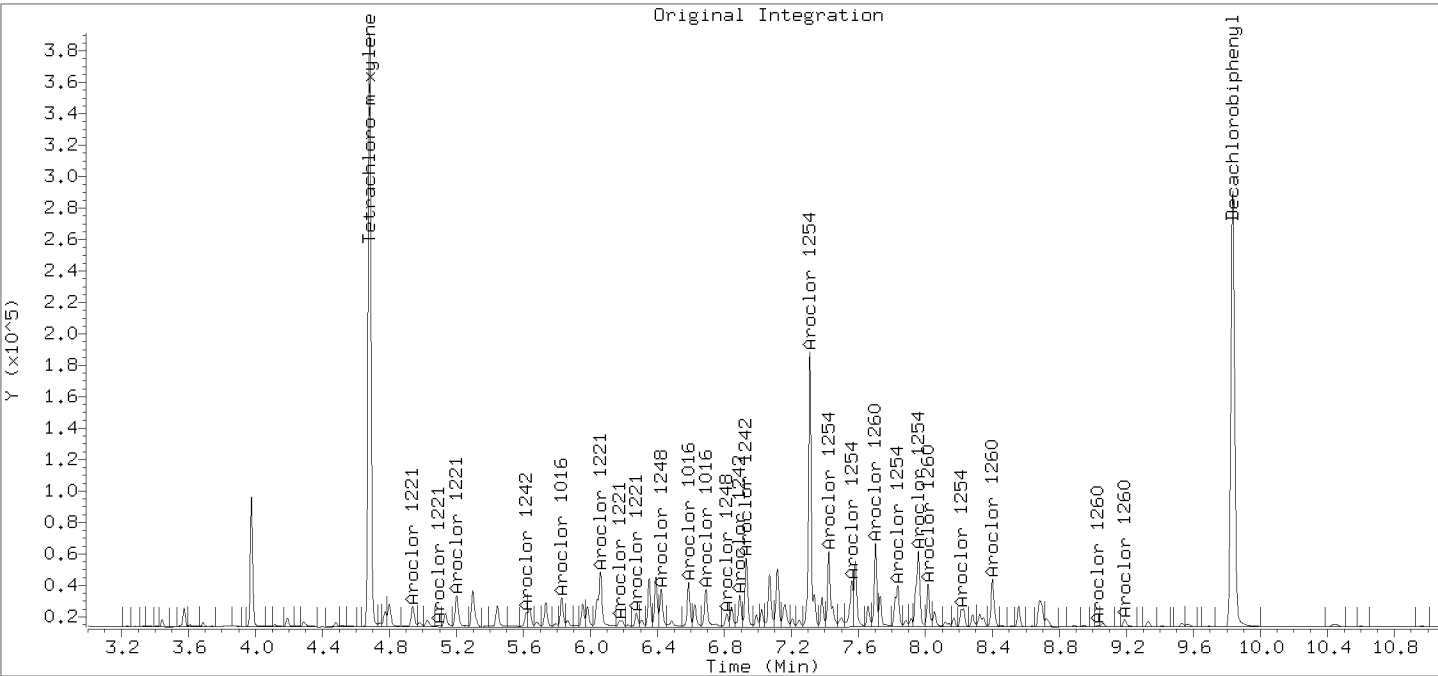
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713105.d
Date : 14-JUL-2020 21:40
Client ID: PAS-B8-147
Sample Info: 40209774002
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1016	30560	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	
Aroclor 1221	18958	0	

Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1232	18958	0
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1242	30560	30560
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Aroclor 1260	40200	40200
Tetrachloro-m-xylene	449309	449309
Decachlorobiphenyl	452247	452247
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-148

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 22:47
Initial wt/vol: 14.9083 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774003
Lab File ID: 071320A.BIA713108.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	158	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	185	
11096-82-5	PCB-1260 (Aroclor 1260)	60.1	
1336-36-3	PCB, Total	403	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713108.d
Lab Smp Id: 40209774003 Client Smp ID: PAS-BS-148
Inj Date : 14-JUL-2020 22:47
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774003
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	14.908	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	1238	890	0.719	0.03		
3.177	1159	1184	1.022	0.03		
3.215	570	582	1.020	0.01		
3.243	901	427	0.474	0.02		
3.552	1237	834	0.674	0.03		
3.653	4747	3971	0.837	0.12		
3.805	927	575	0.620	0.02		
4.128	20166	10605	0.526	0.53		
4.295	608	425	0.698	0.01		
4.383	5837	3348	0.574	0.15		
4.600	2680	2215	0.827	0.07		
4.668	12316	9215	0.748	0.32		
4.702	24675	17429	0.706	0.65		
4.747	497632	371306	0.746	13.62	\$ 2 Tetrachloro-m-xylene	
4.930	3963	2202	0.556	0.10		
5.067	3796	2757	0.726	0.10		
5.098	14819	9409	0.635	0.39		
5.147	30751	18929	0.616	0.81	3 Aroclor 1242	CO
5.197	8840	4528	0.512	0.23		
5.288	21341	15143	0.710	0.56		
5.365	41182	29540	0.717	1.08		
5.442	30249	19110	0.632	0.79		
5.545	27925	12791	0.458	0.73		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.658	26853	18003	0.670	0.70	
5.723	29822	18861	0.632	0.78	
5.798	5611	4513	0.804	0.14	
5.843	1371	1016	0.741	0.03	
5.933	32779	17082	0.521	0.86	
5.980	23158	20252	0.875	0.61	3 Aroclor 1242
6.002	54666	36338	0.665	1.44	3 Aroclor 1242
6.053	6691	4419	0.660	0.17	
6.093	1564	1182	0.756	0.04	
6.128	14924	6373	0.427	0.39	
6.188	14071	9275	0.659	0.37	3 Aroclor 1242
6.290	85910	34620	0.403	2.26	
6.347	38190	26806	0.702	1.00	
6.413	2058	1485	0.721	0.05	
6.495	54389	30645	0.563	1.43	
6.572	26087	19970	0.766	0.68	
6.615	23629	12903	0.546	0.62	
6.698	9027	6058	0.671	0.23	
6.743	4053	3294	0.813	0.10	
6.780	20068	15308	0.763	0.52	
6.815	27772	23236	0.837	0.73	3 Aroclor 1242
6.850	35030	28397	0.811	0.92	3 Aroclor 1242
6.875	65813	41110	0.625	1.73	
6.942	1440	1229	0.854	0.03	
6.978	21876	17676	0.808	0.57	
7.018	86346	60743	0.703	2.27	
7.052	61996	46844	0.756	1.63	
7.120	9523	5086	0.534	0.25	
7.185	32732	24583	0.751	0.86	
7.207	30197	27389	0.907	0.79	16 Aroclor 1254
7.235	424303	385099	0.908	11.18	16 Aroclor 1254
7.277	35342	28431	0.804	0.93	
7.333	79473	67705	0.852	2.09	16 Aroclor 1254
7.363	25380	18751	0.739	0.66	
7.412	26248	10751	0.410	0.69	
7.467	51383	42733	0.832	1.35	28 Aroclor 1260
7.502	16759	12361	0.738	0.44	
7.538	86277	67659	0.784	2.27	16 Aroclor 1254
7.582	9406	6704	0.713	0.24	
7.622	28494	25421	0.892	0.75	
7.662	169599	106791	0.630	4.46	28 Aroclor 1260
7.747	65722	38675	0.588	1.73	16 Aroclor 1254
7.795	8088	6878	0.850	0.21	
7.830	11557	9973	0.863	0.30	
7.870	157150	114423	0.728	4.14	16 Aroclor 1254
7.943	60931	50393	0.827	1.60	28 Aroclor 1260
7.975	42659	20983	0.492	1.12	
8.045	5840	4579	0.784	0.15	
8.078	30632	21535	0.703	0.80	16 Aroclor 1254
8.122	22883	18108	0.791	0.60	28 Aroclor 1260
8.152	23374	17747	0.759	0.61	
8.188	9832	7334	0.746	0.25	
8.252	13908	10748	0.773	0.36	
8.287	45109	31645	0.702	1.18	
8.338	77525	62590	0.807	2.04	28 Aroclor 1260
8.367	10239	9431	0.921	0.26	
8.402	25335	19417	0.766	0.66	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.493	643	327	0.509	0.01	
8.567	53083	30994	0.584	1.39	
8.618	18959	11216	0.592	0.49	
8.690	1307	617	0.472	0.03	
8.777	3628	2516	0.693	0.09	
8.832	1379	1176	0.853	0.03	
8.867	7697	4912	0.638	0.20	28 Aroclor 1260
8.908	9739	6612	0.679	0.25	
8.998	1278	844	0.660	0.03	
9.055	97	139	1.434	0.00	
9.083	13791	9124	0.662	0.36	28 Aroclor 1260
9.140	3736	1937	0.519	0.09	
9.225	267	153	0.574	0.00	
9.258	364	202	0.554	0.00	
9.317	562	262	0.466	0.01	
9.362	6479	3934	0.607	0.17	
9.447	179	64	0.357	0.00	
9.565	469179	286949	0.612	12.36	\$ 42 Decachlorobiphenyl
9.682	2619	1069	0.408	0.06	
9.752	3814	1978	0.519	0.10	
9.803	830	547	0.659	0.02	
9.837	3200	1328	0.415	0.08	
9.903	1507	498	0.330	0.03	
9.977	4876	1794	0.368	0.12	
10.110	2484	696	0.280	0.06	
10.210	3254	1194	0.367	0.08	
10.302	2861	791	0.276	0.07	
10.468	701	229	0.327	0.01	
10.572	5631	1939	0.344	0.14	
11.043	2057	581	0.282	0.05	
	3794854	2693598		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713108.d
Lab Smp Id: 40209774003 Client Smp ID: PAS-BS-148
Inj Date : 14-JUL-2020 22:47
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774003
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	14.908	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1	Aroclor 1221					CAS #:	11104-28-2		

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene CAS #: 877-09-8									
4.746	4.726	0.020	497632	0.08566	57				
3 Aroclor 1242 CAS #: 53469-21-9									
5.146	5.123	0.023	30751	0.39470	260	0.00-	20.00	100.00 (M)	CO
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
5.980	5.960	0.020	23158	0.17563	120	0.00-	20.00	75.31	CO
6.001	5.982	0.019	54665	0.23755	160	0.00-	20.00	177.77	CO
6.188	6.169	0.019	14070	0.13492	90	0.00-	20.00	45.75	CO
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					160				

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====	=====	
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	30196	0.26801	180	0.00- 20.00	100.00 (M)	CO	
7.227	7.227	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO	
7.333	7.320	0.013	79472	0.21769	150	0.00- 20.00	263.19	CO	
7.538	7.524	0.014	86277	0.30681	200	0.00- 20.00	285.72	CO	
7.746	7.733	0.013	65722	0.29629	200	0.00- 20.00	217.65	CO	
7.858	7.858	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO	
8.078	8.066	0.012	30632	0.28916	190	0.00- 20.00	101.44	CO	
Average of Peak Concentrations =					180				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00- 20.00	0.00 (M)	CO	
7.649	7.649	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO	
7.930	7.930	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO	
8.121	8.108	0.013	22883	0.08848	59	0.00- 20.00	0.00	CO	
8.338	8.325	0.013	77524	0.12668	85	0.00- 20.00	0.00	CO	
8.866	8.850	0.016	7696	0.07214	48	0.00- 20.00	0.00	CO	
9.083	9.068	0.015	13791	0.07098	48	0.00- 20.00	0.00	CO	
Average of Peak Concentrations =					60				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.565	9.546	0.019	469179	0.08113	54		(M)	BA	

QC Flag Legend

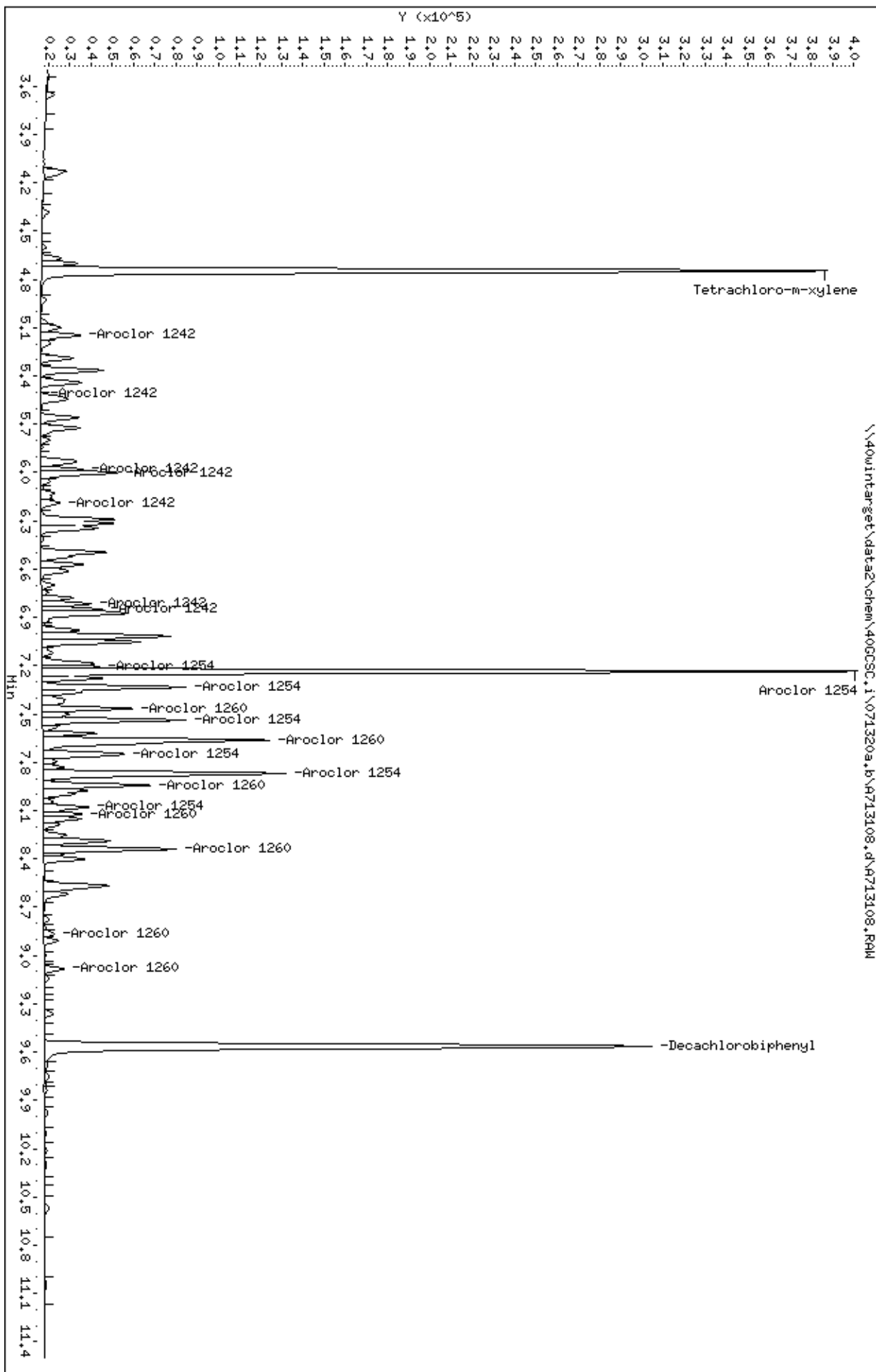
M - Compound response manually integrated.

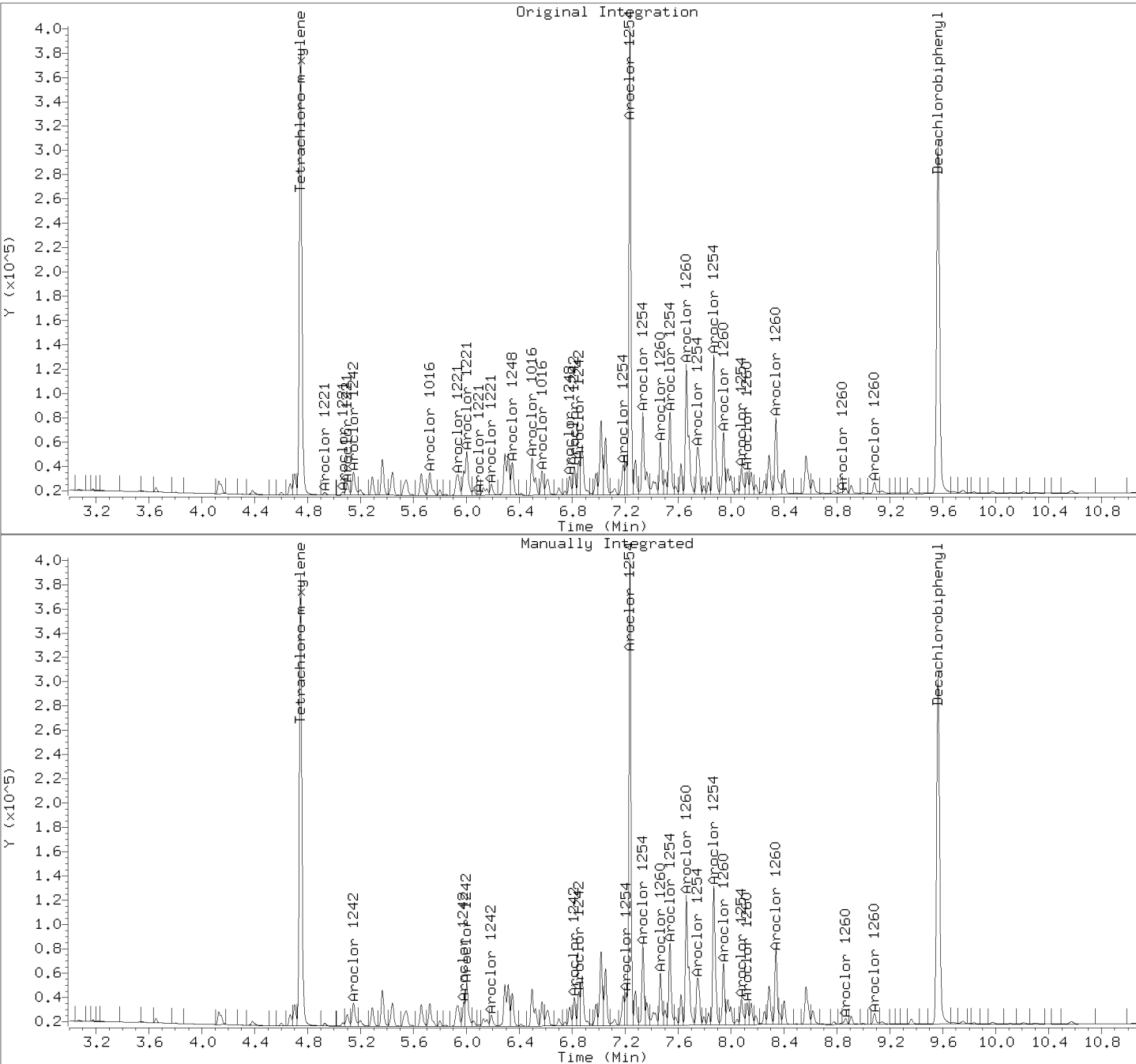
Review Codes Legend

- :
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713108.d
Date : 14-JUL-2020 22:47
Client ID: PAS-B8-148
Sample Info: 40209774003
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1016	30137	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	
Aroclor 1221	3912	0	

Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1232	3912	0	
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1242	30137	30751	CO
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1248	32367	0	
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1254	32001	30196	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Aroclor 1260	51316	0	CO
Tetrachloro-m-xylene	497632	497632	
Decachlorobiphenyl	473933	469179	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713108.d
Lab Smp Id: 40209774003 Client Smp ID: PAS-BS-148
Inj Date : 14-JUL-2020 22:47
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774003
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	14.908	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	822	816	0.993	0.02		
3.443	1073	1008	0.939	0.03		
3.575	4553	4496	0.988	0.13		
3.610	1714	628	0.366	0.05		
3.688	850	586	0.689	0.02		
3.737	607	316	0.521	0.01		
3.977	12329	11619	0.942	0.36		
4.033	445	398	0.895	0.01		
4.117	498	163	0.327	0.01		
4.192	7773	6608	0.850	0.23		
4.257	982	691	0.704	0.02		
4.288	6734	4276	0.635	0.19		
4.447	807	497	0.616	0.02		
4.480	5471	3267	0.597	0.16		
4.563	832	376	0.452	0.02		
4.682	436422	373862	0.857	12.93	\$ 2 Tetrachloro-m-xylene	
4.745	2350	1946	0.828	0.06		
4.775	13556	11301	0.834	0.40		
4.800	23407	16310	0.697	0.69		
4.940	18233	12834	0.704	0.54		
4.982	3656	2624	0.718	0.10		
5.028	6325	3985	0.630	0.18		
5.093	792	606	0.766	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.135	12201	9428	0.773	0.36	
5.202	32571	23416	0.719	0.96	3 Aroclor 1242
5.298	39353	29412	0.747	1.16	
5.378	517	363	0.703	0.01	
5.445	18876	15166	0.803	0.55	
5.525	585	258	0.441	0.01	
5.618	10760	10217	0.950	0.31	3 Aroclor 1242
5.637	14729	12527	0.851	0.43	
5.680	4088	3099	0.758	0.12	
5.735	21514	18090	0.841	0.63	
5.830	26508	22817	0.861	0.78	
5.863	4571	3526	0.771	0.13	
5.923	515	397	0.771	0.01	
5.955	15313	13844	0.904	0.45	
5.983	16867	13834	0.820	0.50	
6.042	19561	21297	1.089	0.57	3 Aroclor 1242
6.060	51619	39942	0.774	1.53	
6.177	8934	4451	0.498	0.26	
6.223	727	749	1.030	0.02	
6.277	11546	10315	0.893	0.34	3 Aroclor 1242
6.307	5207	4568	0.877	0.15	
6.352	39218	35253	0.899	1.16	
6.392	39202	34752	0.886	1.16	
6.423	34903	28256	0.810	1.03	
6.465	1840	1770	0.962	0.05	
6.485	3205	2121	0.662	0.09	
6.588	35717	31235	0.875	1.05	
6.625	18352	14835	0.808	0.54	
6.690	40024	30095	0.752	1.18	
6.752	2042	1456	0.713	0.06	
6.815	10771	9274	0.861	0.31	
6.843	18956	16714	0.882	0.56	
6.893	34059	28233	0.829	1.00	3 Aroclor 1242
6.932	68691	57079	0.831	2.03	3 Aroclor 1242
6.992	9733	8678	0.892	0.28	
7.023	17207	15665	0.910	0.51	
7.070	65325	50940	0.780	1.93	
7.118	65843	55477	0.843	1.95	
7.163	35916	25576	0.712	1.06	
7.207	7827	6937	0.886	0.23	
7.247	7126	5323	0.747	0.21	
7.312	412634	356914	0.865	12.23	16 Aroclor 1254
7.383	30206	27059	0.896	0.89	
7.423	96581	66134	0.685	2.86	16 Aroclor 1254
7.498	14899	8453	0.567	0.44	
7.533	3803	4613	1.213	0.11	28 Aroclor 1260
7.563	59149	46098	0.779	1.75	16 Aroclor 1254
7.583	79830	70813	0.887	2.36	
7.658	27201	23265	0.855	0.80	
7.703	104675	98466	0.941	3.10	28 Aroclor 1260
7.732	34511	32470	0.941	1.02	
7.767	2373	1937	0.816	0.07	
7.822	27618	32352	1.171	0.81	16 Aroclor 1254
7.837	46291	41518	0.897	1.37	
7.883	8683	6877	0.792	0.25	
7.915	10048	9396	0.935	0.29	
7.960	142121	90832	0.639	4.21	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.017	49110	44889	0.914	1.45	28 Aroclor 1260
8.055	21028	16159	0.768	0.62	
8.118	5975	5576	0.933	0.17	
8.140	3676	3716	1.011	0.10	
8.172	13407	11682	0.871	0.39	
8.217	36327	19429	0.535	1.07	16 Aroclor 1254
8.283	15896	12721	0.800	0.47	
8.327	29784	13786	0.463	0.88	28 Aroclor 1260
8.402	68221	49473	0.725	2.02	
8.455	2010	1347	0.670	0.05	
8.517	1127	830	0.736	0.03	
8.558	29338	26372	0.899	0.86	
8.638	957	694	0.725	0.02	28 Aroclor 1260
8.683	58003	31335	0.540	1.71	
8.723	14342	8900	0.621	0.42	
8.823	499	362	0.726	0.01	
8.888	2549	1713	0.672	0.07	
8.947	2122	1675	0.789	0.06	
9.033	2222	1864	0.839	0.06	
9.060	5846	3644	0.623	0.17	
9.192	11173	7338	0.657	0.33	
9.332	9400	6492	0.691	0.27	
9.412	1262	577	0.457	0.03	\$ 42 Decachlorobiphenyl
9.533	5411	3485	0.644	0.16	
9.565	2979	1634	0.548	0.08	
9.692	1407	504	0.358	0.04	
9.837	442303	271803	0.615	13.67	
10.252	766	198	0.259	0.02	
10.455	5908	2185	0.370	0.17	
10.567	520	145	0.279	0.01	
10.967	1909	878	0.460	0.05	
11.417	3819	1537	0.403	0.11	
3372662		2646738	100.000		

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713108.d
Lab Smp Id: 40209774003 Client Smp ID: PAS-BS-148
Inj Date : 14-JUL-2020 22:47
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774003
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	14.908	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	436422	0.08789	59								
3 Aroclor 1242										CAS #: 53469-21-9			
5.201	5.179	0.022	32571	0.43888	290	0.00-	20.00	100.00					
5.618	5.597	0.021	10760	0.07779	52	0.00-	20.00	33.04					
6.041	6.021	0.020	19560	0.14956	100	0.00-	20.00	60.05					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.276	6.257	0.019	11545	0.13047	88	0.00-	20.00	35.45					
6.893	6.876	0.017	34058	0.30815	210	0.00-	20.00	104.57					
6.931	6.916	0.015	68691	0.51789	350	0.00-	20.00	210.90					
Average of Peak Concentrations =					180								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.311	7.322	-0.011	412633	2.21746	1500	0.00-	20.00	0.00	
7.423	7.409	0.014	96581	0.25427	170	0.00-	20.00	0.00	
7.563	7.568	-0.005	59148	0.22410	150	0.00-	20.00	0.00	
7.821	7.822	-0.001	27617	0.16821	110	0.00-	20.00	0.00	
7.960	7.947	0.013	142120	0.43137	290	0.00-	20.00	0.00	
8.216	8.200	0.016	36327	0.38802	260	0.00-	20.00	0.00	
Average of Peak Concentrations =					410				

28 Aroclor 1260			CAS #: 11096-82-5						
7.533	7.548	-0.015	3803	0.01520	10	0.00-	20.00	100.00	
7.703	7.688	0.015	104675	0.39056	260	0.00-	20.00	2752.43	
8.016	8.002	0.014	49110	0.21686	140	0.00-	20.00	1291.35	
8.216	8.214	0.002	36327	0.15353	100	0.00-	20.00	955.22	
8.401	8.384	0.017	68220	0.14434	97	0.00-	20.00	1793.85	
9.033	9.040	-0.007	2222	0.02909	20	0.00-	20.00	58.43	
9.191	9.171	0.020	11172	0.07346	49	0.00-	20.00	293.77	
Average of Peak Concentrations =					98				

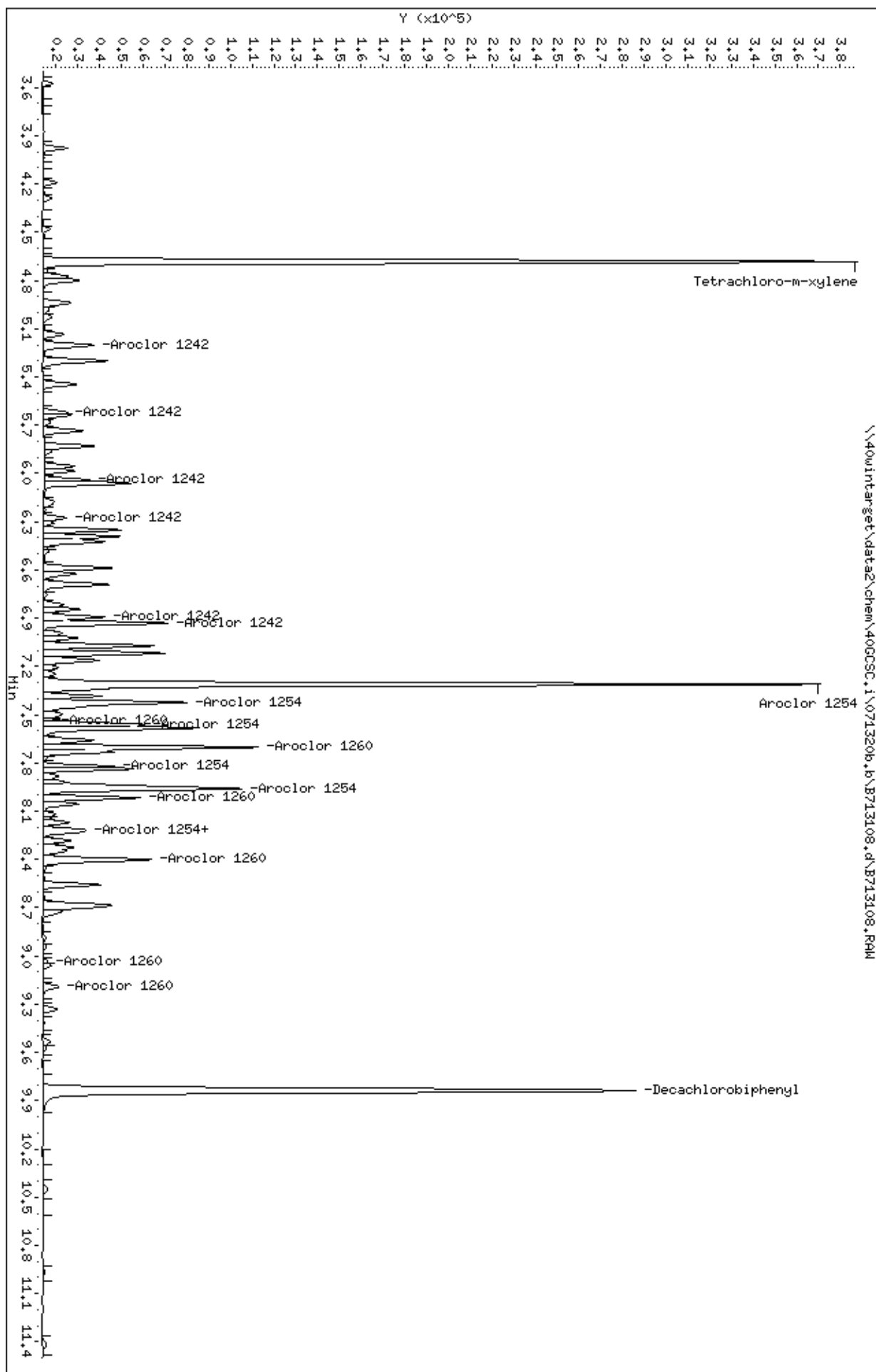
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.836	9.812	0.024	442303	0.08386	56				

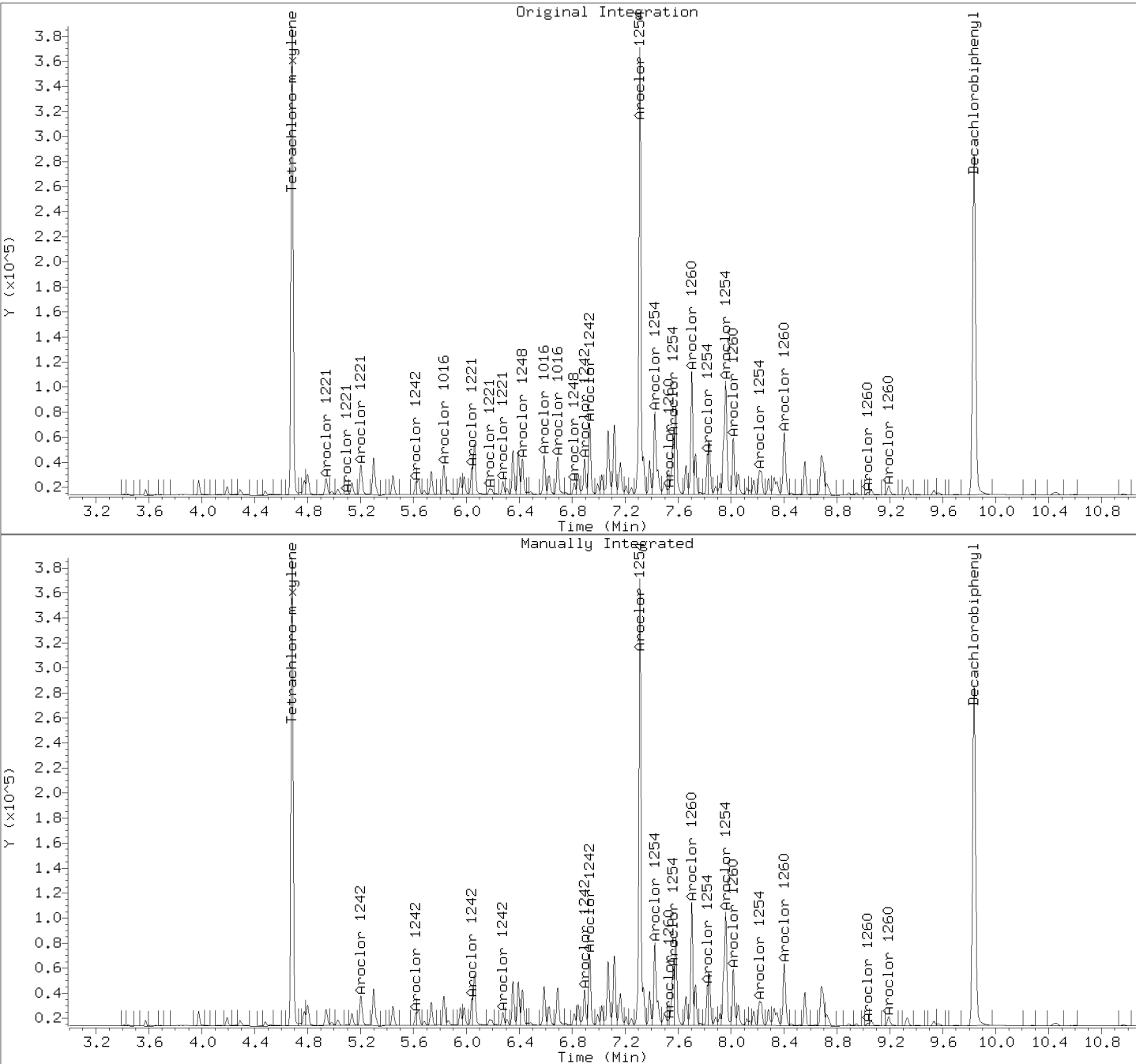
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713108.d
Date : 14-JUL-2020 22:47
Client ID: PAS-B8-148
Sample Info: 40209774003
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1016	32571	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	
Aroclor 1221	18232	0	

Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1232	18232	0
Aroclor 1242	32571	32571
Aroclor 1242	32571	32571
Aroclor 1242	32571	32571
Aroclor 1242	32571	32571
Aroclor 1242	32571	32571
Aroclor 1242	32571	32571
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1248	19560	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Aroclor 1260	3803	3803
Tetrachloro-m-xylene	436422	436422
Decachlorobiphenyl	442303	442303
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-243

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 23:09
Initial wt/vol: 12.8931 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774004
Lab File ID: 071320A.BIA713109.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	195	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	53.9	
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U
1336-36-3	PCB, Total	249	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713109.d
Lab Smp Id: 40209774004 Client Smp ID: PAS-BS-243
Inj Date : 14-JUL-2020 23:09
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774004
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	12.893	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	3652	3001	0.822	0.17		
3.178	4117	4228	1.027	0.19		
3.217	1319	1004	0.761	0.06		
3.552	2923	1987	0.680	0.13		
3.653	4405	4118	0.935	0.21		
3.805	1214	836	0.689	0.05		
3.928	1649	1547	0.938	0.07		
4.128	63511	42459	0.669	3.02		
4.295	953	506	0.531	0.04		
4.382	8570	4329	0.505	0.40		
4.600	1262	899	0.713	0.06		
4.667	14911	11634	0.780	0.71		
4.702	34154	23972	0.702	1.62		
4.747	468426	346896	0.741	22.87	\$ 2 Tetrachloro-m-xylene	
4.930	4980	3196	0.642	0.23		
5.067	3418	2528	0.740	0.16		
5.098	17479	11374	0.651	0.83		
5.147	44112	27101	0.614	2.10	3 Aroclor 1242	BA
5.195	8402	4239	0.505	0.40		
5.290	26165	18071	0.691	1.24		
5.365	44481	31537	0.709	2.12		
5.442	30306	18866	0.623	1.44		
5.545	32008	15508	0.485	1.52		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.658	25812	16686	0.646	1.23	
5.723	34444	21143	0.614	1.64	
5.800	632	385	0.609	0.03	
5.840	640	400	0.625	0.03	
5.935	27170	14361	0.529	1.29	
5.980	19450	16756	0.861	0.92	3 Aroclor 1242
6.003	42961	27505	0.640	2.04	3 Aroclor 1242
6.055	5635	3866	0.686	0.26	
6.093	1741	1337	0.768	0.08	
6.128	11201	5550	0.495	0.53	
6.188	11174	7408	0.663	0.53	3 Aroclor 1242
6.292	23431	17566	0.750	1.11	
6.317	23667	18289	0.773	1.12	
6.347	20637	13400	0.649	0.98	
6.495	19700	15764	0.800	0.93	
6.522	9528	7434	0.780	0.45	
6.572	13417	10246	0.764	0.63	
6.605	10206	5840	0.572	0.48	
6.698	4723	2960	0.627	0.22	
6.743	2142	1739	0.812	0.10	
6.780	12727	9658	0.759	0.60	
6.815	9301	7357	0.791	0.44	3 Aroclor 1242
6.850	15282	12760	0.835	0.72	3 Aroclor 1242
6.875	33363	20870	0.626	1.59	
6.943	1129	866	0.767	0.05	
6.978	5305	4049	0.763	0.25	
7.017	23542	14902	0.633	1.12	
7.050	21996	12786	0.581	1.04	
7.098	1476	1154	0.782	0.07	
7.122	1341	1049	0.782	0.06	
7.185	9008	6679	0.741	0.42	
7.207	8469	7740	0.914	0.40	16 Aroclor 1254
7.235	77530	69095	0.891	3.69	16 Aroclor 1254
7.277	9523	7058	0.741	0.45	
7.333	17623	14527	0.824	0.84	16 Aroclor 1254
7.365	6011	4202	0.699	0.28	
7.413	6272	2585	0.412	0.29	
7.467	10519	8582	0.816	0.50	28 Aroclor 1260
7.502	4511	3042	0.674	0.21	
7.538	24692	18279	0.740	1.17	16 Aroclor 1254
7.583	2446	1728	0.707	0.11	
7.622	4714	4132	0.877	0.22	
7.662	33814	18419	0.545	1.61	28 Aroclor 1260
7.745	17374	11998	0.691	0.82	16 Aroclor 1254
7.795	1897	1496	0.789	0.09	
7.830	1938	1626	0.839	0.09	
7.870	29801	21199	0.711	1.42	16 Aroclor 1254
7.943	13729	11337	0.826	0.65	28 Aroclor 1260
7.977	5159	3059	0.593	0.24	
8.045	1139	807	0.708	0.05	
8.078	6106	4205	0.689	0.29	16 Aroclor 1254
8.122	4935	3873	0.785	0.23	28 Aroclor 1260
8.153	3522	2772	0.787	0.16	
8.187	2057	1398	0.679	0.09	
8.252	3080	2374	0.771	0.14	
8.287	12184	8523	0.700	0.58	
8.338	13527	10723	0.793	0.64	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.368	2208	1811	0.820	0.10	
8.402	2317	1717	0.741	0.11	
8.455	197	128	0.648	0.00	
8.497	332	259	0.780	0.01	
8.567	11291	5991	0.531	0.53	
8.618	3644	2343	0.643	0.17	
8.688	359	208	0.579	0.01	
8.777	1111	750	0.675	0.05	
8.840	319	308	0.965	0.01	
8.865	1846	1191	0.645	0.08	28 Aroclor 1260
8.908	2423	1676	0.692	0.11	
9.045	98	81	0.830	0.00	
9.083	3163	2023	0.640	0.15	28 Aroclor 1260
9.140	2058	817	0.397	0.09	
9.220	1065	296	0.278	0.05	
9.310	359	121	0.337	0.01	
9.362	2107	1264	0.600	0.10	
9.460	280	83	0.296	0.01	
9.563	455874	272361	0.597	21.74	\$ 42 Decachlorobiphenyl
9.750	1287	589	0.458	0.06	
9.838	4481	1972	0.440	0.21	
9.975	3972	1659	0.418	0.18	
10.110	2291	619	0.270	0.10	
10.212	1401	500	0.357	0.06	
10.572	4341	1828	0.421	0.20	
	2096596	1425975		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713109.d
Lab Smp Id: 40209774004 Client Smp ID: PAS-BS-243
Inj Date : 14-JUL-2020 23:09
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774004
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	12.893	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.746	4.726	0.020	468425	0.08063	62				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	44112	0.56620	440	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	19449	0.14750	110	0.00-	20.00	44.09	BA
6.003	5.982	0.021	42960	0.18669	140	0.00-	20.00	97.39	BA
6.188	6.169	0.019	11174	0.10715	83	0.00-	20.00	25.33	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					200				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	8468	0.07516	58	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	17623	0.04827	37	0.00-	20.00	208.11	CO
7.538	7.524	0.014	24692	0.08781	68	0.00-	20.00	291.59	CO
7.745	7.733	0.012	17374	0.07833	61	0.00-	20.00	205.17	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	6106	0.05764	45	0.00-	20.00	72.11	CO
Average of Peak Concentrations =					54				

28 Aroclor 1260					CAS #: 11096-82-5				
Compound Not Detected.									

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	455873	0.07883	61			(M)	BA

QC Flag Legend

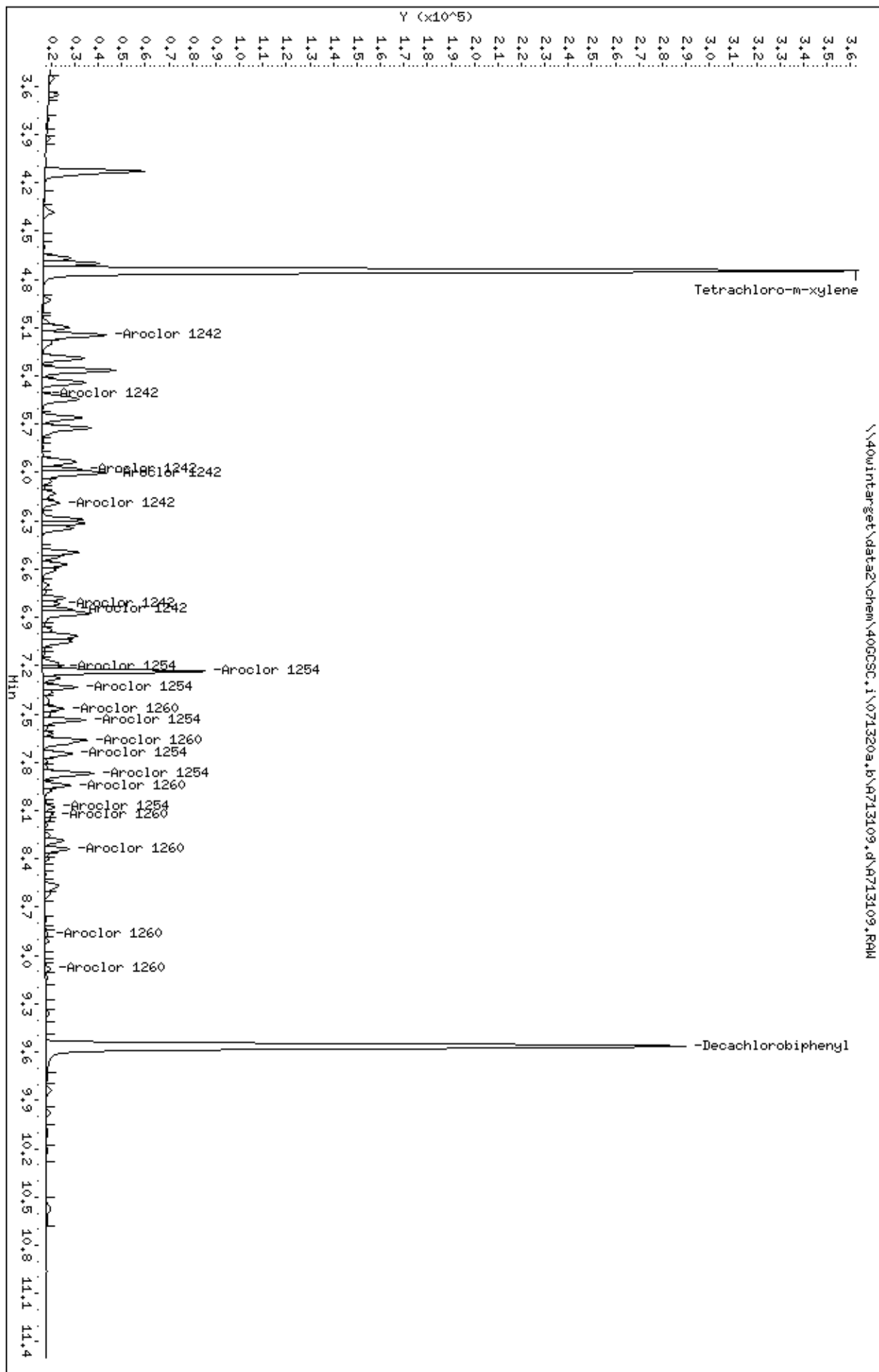
M - Compound response manually integrated.

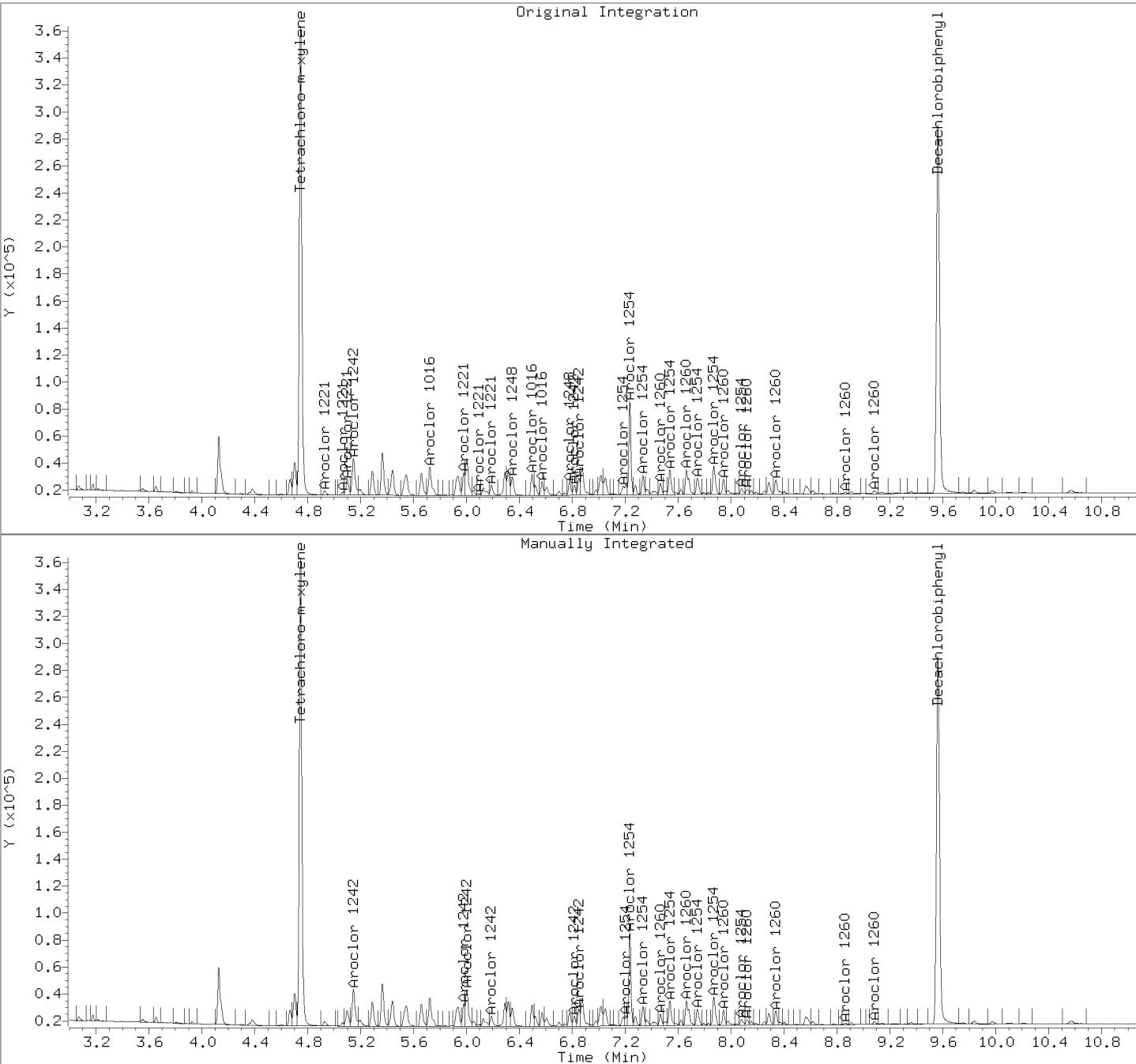
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713109.d
Date : 14-JUL-2020 23:09
Client ID: PAS-B8-243
Sample Info: 40209774004
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1016	43453	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	
Aroclor 1221	4980	0	

Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1232	4980	0	
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1242	43453	44112	BA
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1248	18586	0	
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1254	16458	8468	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Aroclor 1260	10306	0	CO
Tetrachloro-m-xylene	468425	468425	
Decachlorobiphenyl	459730	455873	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713109.d
Lab Smp Id: 40209774004 Client Smp ID: PAS-BS-243
Inj Date : 14-JUL-2020 23:09
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774004
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	12.893	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	786	794	1.011	0.04		
3.443	2479	2348	0.947	0.12		
3.515	533	247	0.464	0.02		
3.575	5575	4803	0.862	0.29		
3.688	1743	1681	0.964	0.09		
3.875	452	343	0.760	0.02		
3.977	46464	44358	0.955	2.43		
4.080	973	524	0.539	0.05		
4.115	2447	1167	0.477	0.12		
4.192	13561	11146	0.822	0.71		
4.257	1757	965	0.549	0.09		
4.288	8390	5753	0.686	0.43		
4.343	1372	756	0.551	0.07		
4.450	724	418	0.577	0.03		
4.480	2139	1524	0.712	0.11		
4.522	1422	782	0.550	0.07		
4.570	915	476	0.520	0.04		
4.682	416063	351375	0.845	21.79	\$ 2 Tetrachloro-m-xylene	
4.745	2397	1939	0.809	0.12		
4.775	16907	14027	0.830	0.88		
4.800	31304	21895	0.699	1.63		
4.895	846	439	0.519	0.04		
4.940	18341	12819	0.699	0.96		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.982	6266	4262	0.680	0.32	
5.027	7303	3889	0.533	0.38	
5.093	1789	1049	0.586	0.09	
5.135	17565	12264	0.698	0.92	
5.202	47371	32336	0.683	2.48	3 Aroclor 1242
5.298	45557	32531	0.714	2.38	
5.377	1943	829	0.427	0.10	
5.445	24128	18845	0.781	1.26	
5.618	11485	11157	0.971	0.60	3 Aroclor 1242
5.637	19991	15933	0.797	1.04	
5.680	6461	4524	0.700	0.33	
5.733	21603	16821	0.779	1.13	
5.793	1046	799	0.764	0.05	
5.828	27127	23799	0.877	1.42	
5.863	6084	4562	0.750	0.31	
5.923	1559	848	0.544	0.08	
5.955	13636	12022	0.882	0.71	
5.983	15472	12219	0.790	0.81	
6.042	17783	18427	1.036	0.93	3 Aroclor 1242
6.060	42571	31998	0.752	2.22	
6.175	8363	3794	0.454	0.43	
6.223	1416	1178	0.832	0.07	
6.275	10364	8496	0.820	0.54	3 Aroclor 1242
6.307	3375	3138	0.930	0.17	
6.352	20301	17939	0.884	1.06	
6.392	21113	18117	0.858	1.10	
6.423	19751	14967	0.758	1.03	
6.487	3060	1823	0.596	0.16	
6.587	19168	16421	0.857	1.00	
6.625	10169	7768	0.764	0.53	
6.692	18748	13608	0.726	0.98	
6.815	5798	4935	0.851	0.30	
6.843	11950	10660	0.892	0.62	
6.893	16037	13004	0.811	0.83	3 Aroclor 1242
6.932	30586	26421	0.864	1.60	3 Aroclor 1242
6.993	2314	2246	0.971	0.12	
7.023	3950	3505	0.887	0.20	
7.070	14802	11450	0.774	0.77	
7.117	23768	18757	0.789	1.24	
7.163	9874	6583	0.667	0.51	
7.207	3373	3097	0.918	0.17	
7.248	1157	996	0.861	0.06	
7.310	76976	66109	0.859	4.03	16 Aroclor 1254
7.383	7283	6719	0.923	0.38	
7.423	21594	14566	0.675	1.13	16 Aroclor 1254
7.498	2425	1433	0.591	0.12	
7.562	12305	9438	0.767	0.64	16 Aroclor 1254
7.582	20892	18251	0.874	1.09	
7.658	3919	3696	0.943	0.20	
7.702	18599	17153	0.922	0.97	
7.730	9113	9062	0.994	0.47	
7.837	17657	12894	0.730	0.92	16 Aroclor 1254
7.883	1723	1349	0.783	0.09	
7.915	1359	1304	0.960	0.07	
7.958	26035	16221	0.623	1.36	16 Aroclor 1254
8.017	11079	10283	0.928	0.58	
8.055	3149	2586	0.821	0.16	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.118	1507	1018	0.675	0.07	
8.172	619	583	0.942	0.03	
8.217	6814	3567	0.523	0.35	16 Aroclor 1254
8.282	2763	2211	0.800	0.14	
8.327	5116	2829	0.553	0.26	
8.402	13436	9577	0.713	0.70	
8.558	8316	7279	0.875	0.43	
8.685	13118	5248	0.400	0.68	
8.887	941	407	0.433	0.04	
8.945	888	660	0.743	0.04	
9.032	904	656	0.726	0.04	
9.060	1630	835	0.512	0.08	
9.192	3035	1800	0.593	0.15	
9.332	2061	1503	0.729	0.10	
9.532	1617	1143	0.707	0.08	
9.565	4438	2289	0.516	0.23	
9.835	426024	257817	0.605	22.76	\$ 42 Decachlorobiphenyl
10.437	3072	1262	0.411	0.16	
10.567	627	167	0.266	0.03	
10.963	749	352	0.470	0.03	
11.417	3683	1510	0.410	0.19	
	1909237	1442373		100.000	

Total unknown % area = 40

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713109.d
Lab Smp Id: 40209774004 Client Smp ID: PAS-BS-243
Inj Date : 14-JUL-2020 23:09
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774004
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	12.893	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8				
4.681	4.660	0.021		416063	0.08379	65								
3 Aroclor 1242										CAS #: 53469-21-9				
5.201	5.179	0.022		47370	0.63830	500	0.00-	20.00	100.00					
5.618	5.597	0.021		11485	0.08303	64	0.00-	20.00	24.25					
6.041	6.021	0.020		17783	0.13597	100	0.00-	20.00	37.54					
0.000	6.040	-6.040		0	0.00	0.00	0.00-	20.00	0.00					
6.275	6.257	0.018		10364	0.11713	91	0.00-	20.00	21.88					
6.893	6.876	0.017		16037	0.14510	110	0.00-	20.00	33.85					
6.931	6.916	0.015		30586	0.23060	180	0.00-	20.00	64.57					
Average of Peak Concentrations =						170								

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	76975	0.41366	320	0.00-	20.00	0.00	
7.423	7.409	0.014	21594	0.05685	44	0.00-	20.00	0.00	
7.561	7.568	-0.007	12304	0.04662	36	0.00-	20.00	0.00	
7.836	7.822	0.014	17657	0.10755	83	0.00-	20.00	0.00	
7.958	7.947	0.011	26035	0.07902	61	0.00-	20.00	0.00	
8.216	8.200	0.016	6814	0.07278	56	0.00-	20.00	0.00	
Average of Peak Concentrations =					100				

28 Aroclor 1260					CAS #: 11096-82-5				
Operator disabled compound identification.									

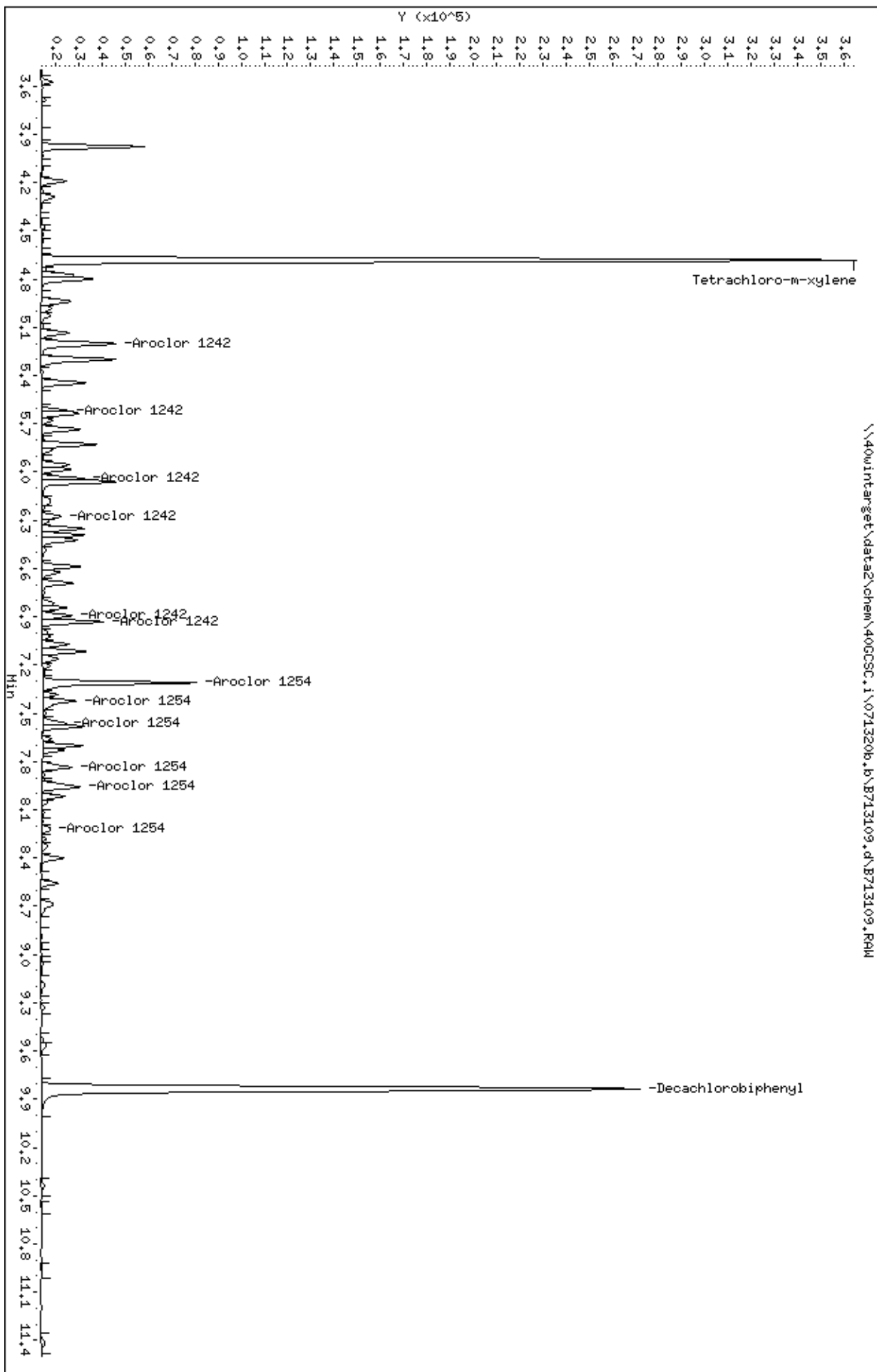
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.835	9.812	0.023	426024	0.08077	63				

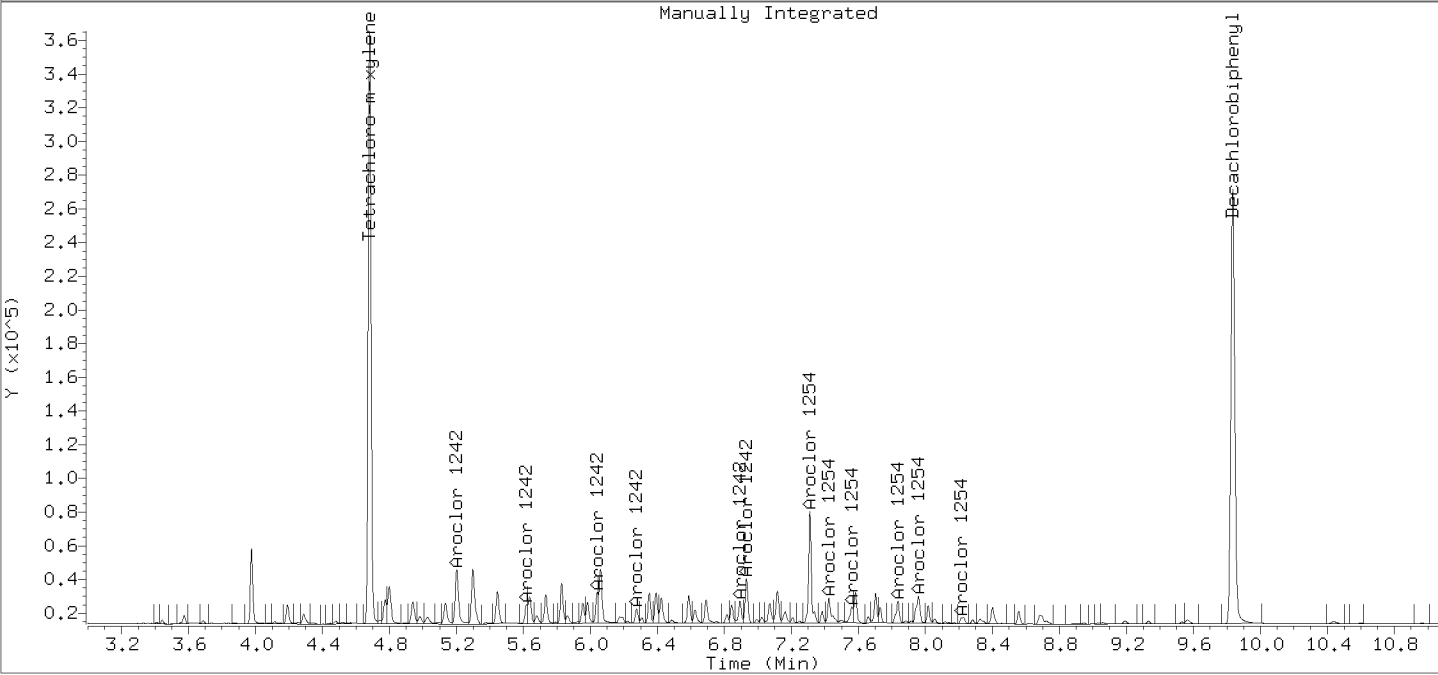
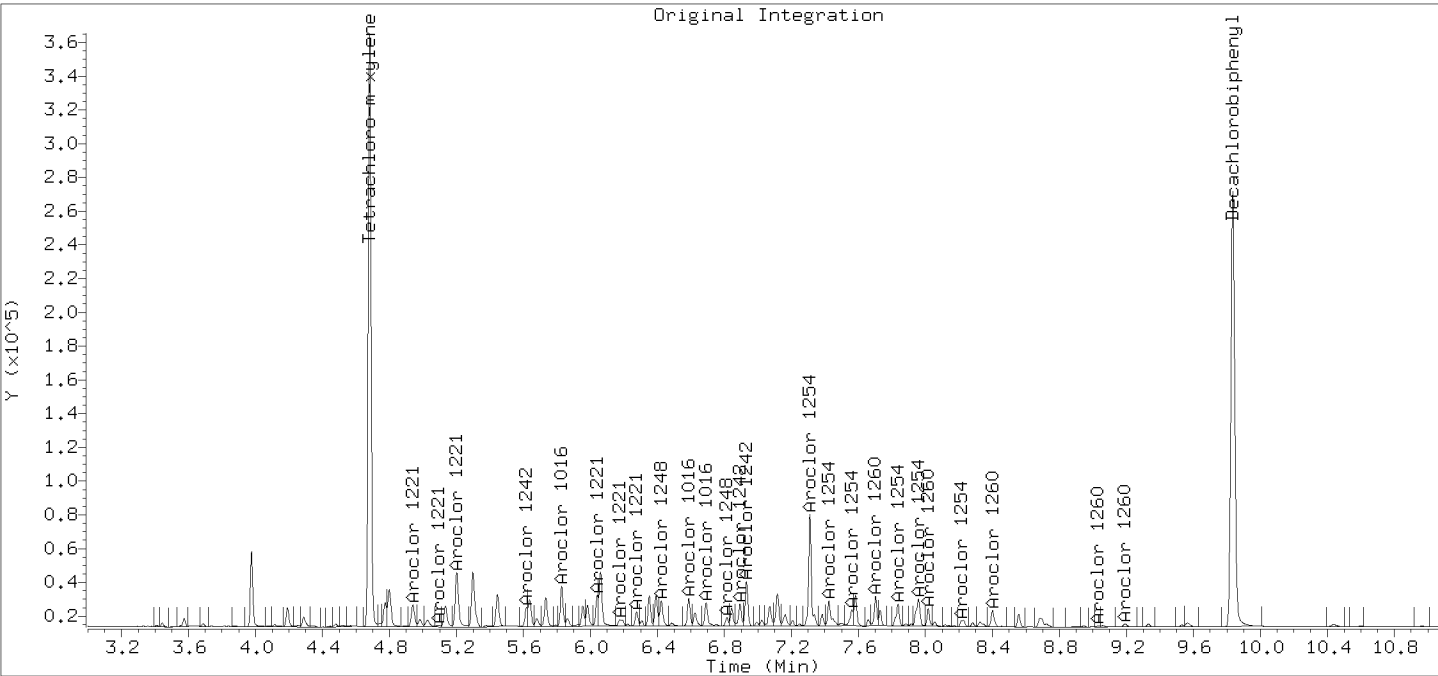
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713109.d
Date : 14-JUL-2020 23:09
Client ID: PAS-B8-243
Sample Info: 40209774004
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1016	47370	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	
Aroclor 1221	18341	0	

Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1232	18341	0
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1242	47370	47370
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1248	17783	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Aroclor 1260	12304	0
Tetrachloro-m-xylene	416063	416063
Decachlorobiphenyl	426024	426024
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-244

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 40209774005

Date Analyzed: 07/14/2020 23:31

Lab File ID: 071320A.BIA713110.D

Initial wt/vol: 20.0193 Final wt/vol: 10 mL Dilution: 1

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	182	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	72.1	
11096-82-5	PCB-1260 (Aroclor 1260)	19.3	J
1336-36-3	PCB, Total	273	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713110.d
Lab Smp Id: 40209774005 Client Smp ID: PAS-BS-244
Inj Date : 14-JUL-2020 23:31
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774005
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.019	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	2332	1849	0.793	0.07		
3.178	2182	2280	1.045	0.07		
3.215	3612	3090	0.855	0.12		
3.552	820	927	1.131	0.02		
3.653	5632	5217	0.926	0.19		
3.805	991	784	0.791	0.03		
3.928	763	720	0.944	0.02		
3.982	609	390	0.640	0.02		
4.087	1163	662	0.569	0.03		
4.128	42686	24377	0.571	1.44		
4.295	781	528	0.676	0.02		
4.383	9692	5534	0.571	0.32		
4.600	1156	898	0.777	0.03		
4.668	18119	14008	0.773	0.61		
4.702	38913	27748	0.713	1.31		
4.747	510649	386243	0.756	17.85	\$ 2 Tetrachloro-m-xylene	
4.930	6156	4059	0.659	0.20		
5.067	3704	2870	0.775	0.12		
5.098	23150	15228	0.658	0.78		
5.147	54417	34373	0.632	1.84	3 Aroclor 1242	BA
5.197	10074	5286	0.525	0.34		
5.288	32307	22802	0.706	1.09		
5.365	56682	41501	0.732	1.91		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.440	35438	20578	0.581	1.19	
5.545	44171	20715	0.469	1.49	
5.658	34571	23123	0.669	1.16	
5.723	49263	31323	0.636	1.66	
5.800	970	582	0.600	0.03	
5.842	945	695	0.735	0.03	
5.935	46467	24262	0.522	1.57	
5.980	34222	29711	0.868	1.15	3 Aroclor 1242
6.003	72827	48811	0.670	2.46	3 Aroclor 1242
6.053	8834	6105	0.691	0.29	
6.093	2647	2020	0.763	0.08	
6.128	20933	9908	0.473	0.70	
6.188	18843	12708	0.674	0.63	3 Aroclor 1242
6.290	86121	34655	0.402	2.91	
6.347	35193	23636	0.672	1.19	
6.495	63035	35012	0.555	2.13	
6.572	27350	21367	0.781	0.92	
6.605	19625	12458	0.635	0.66	
6.698	10878	7487	0.688	0.36	
6.743	4033	3200	0.794	0.13	
6.780	20615	15945	0.773	0.69	
6.815	21049	16938	0.805	0.71	3 Aroclor 1242
6.850	32185	26596	0.826	1.08	3 Aroclor 1242
6.875	60506	37357	0.617	2.04	
6.978	10852	8423	0.776	0.36	
7.017	53839	33708	0.626	1.82	
7.050	38049	24803	0.652	1.28	
7.098	2432	1996	0.821	0.08	
7.122	3064	2223	0.726	0.10	
7.183	13706	10324	0.753	0.46	
7.207	20605	16409	0.796	0.69	16 Aroclor 1254
7.235	184499	163692	0.887	6.24	16 Aroclor 1254
7.277	19151	15982	0.835	0.64	
7.333	44506	36294	0.815	1.50	16 Aroclor 1254
7.365	11959	8514	0.712	0.40	
7.428	14673	7016	0.478	0.49	
7.467	22725	18458	0.812	0.76	28 Aroclor 1260
7.502	8062	5442	0.675	0.27	
7.538	44939	34822	0.775	1.52	16 Aroclor 1254
7.583	4005	2984	0.745	0.13	
7.622	9954	8847	0.889	0.33	
7.663	73170	38633	0.528	2.47	28 Aroclor 1260
7.720	154	786	5.111	0.00	
7.745	33184	21406	0.645	1.12	16 Aroclor 1254
7.795	3447	2920	0.847	0.11	
7.830	3838	3253	0.847	0.12	
7.870	59824	42988	0.719	2.02	16 Aroclor 1254
7.943	27426	23514	0.857	0.92	28 Aroclor 1260
7.977	10309	6651	0.645	0.34	
8.045	2193	1607	0.733	0.07	
8.078	11426	8013	0.701	0.38	16 Aroclor 1254
8.122	9814	8036	0.819	0.33	28 Aroclor 1260
8.153	7385	5801	0.785	0.24	
8.188	3802	2891	0.760	0.12	
8.253	5882	4572	0.777	0.19	
8.288	17263	12000	0.695	0.58	
8.340	30532	25347	0.830	1.03	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.370	4342	3521	0.811	0.14	
8.402	3353	2444	0.729	0.11	
8.453	244	187	0.768	0.00	
8.495	304	212	0.697	0.01	
8.567	23590	13042	0.553	0.79	
8.618	7950	4934	0.621	0.26	
8.687	455	244	0.537	0.01	
8.777	1918	1277	0.666	0.06	
8.832	674	553	0.821	0.02	
8.867	3405	2284	0.671	0.11	28 Aroclor 1260
8.908	2919	1992	0.682	0.09	
9.002	281	165	0.588	0.00	
9.055	157	119	0.758	0.00	
9.083	6780	4604	0.679	0.22	28 Aroclor 1260
9.113	606	784	1.294	0.02	
9.140	2252	1164	0.517	0.07	
9.220	1291	447	0.346	0.04	
9.317	220	140	0.637	0.00	
9.362	3713	2336	0.629	0.12	
9.462	278	96	0.345	0.00	
9.565	489203	295393	0.604	16.54	\$ 42 Decachlorobiphenyl
9.752	1448	706	0.487	0.04	
9.837	2429	1046	0.431	0.08	
9.905	901	370	0.411	0.03	
9.977	4351	1793	0.412	0.14	
10.112	2313	669	0.289	0.07	
10.212	1487	535	0.360	0.05	
10.305	614	164	0.267	0.02	
10.573	4756	2067	0.435	0.16	
	2956210	2018209		100.000	

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713110.d
Lab Smp Id: 40209774005 Client Smp ID: PAS-BS-244
Inj Date : 14-JUL-2020 23:31
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774005
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.019	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.746	4.726	0.020	510648	0.08790	44				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	54416	0.69845	350	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	34221	0.25954	130	0.00-	20.00	62.89	BA
6.003	5.982	0.021	72827	0.31648	160	0.00-	20.00	133.83	BA
6.188	6.169	0.019	18842	0.18068	90	0.00-	20.00	34.63	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					180				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	20604	0.18287	91	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	44506	0.12191	61	0.00-	20.00	216.01	CO
7.538	7.524	0.014	44939	0.15981	80	0.00-	20.00	218.11	CO
7.745	7.733	0.012	33184	0.14960	75	0.00-	20.00	161.06	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	11425	0.10785	54	0.00-	20.00	55.45	CO
Average of Peak Concentrations =					72				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.121	8.108	0.013	9814	0.03795	19	0.00-	20.00	0.00	CO
8.340	8.325	0.015	30532	0.04989	25	0.00-	20.00	0.00	CO
8.866	8.850	0.016	3405	0.03192	16	0.00-	20.00	0.00	CO
9.083	9.068	0.015	6780	0.03489	17	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					19				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.565	9.546	0.019	489203	0.08460	42			(M)	BA

QC Flag Legend

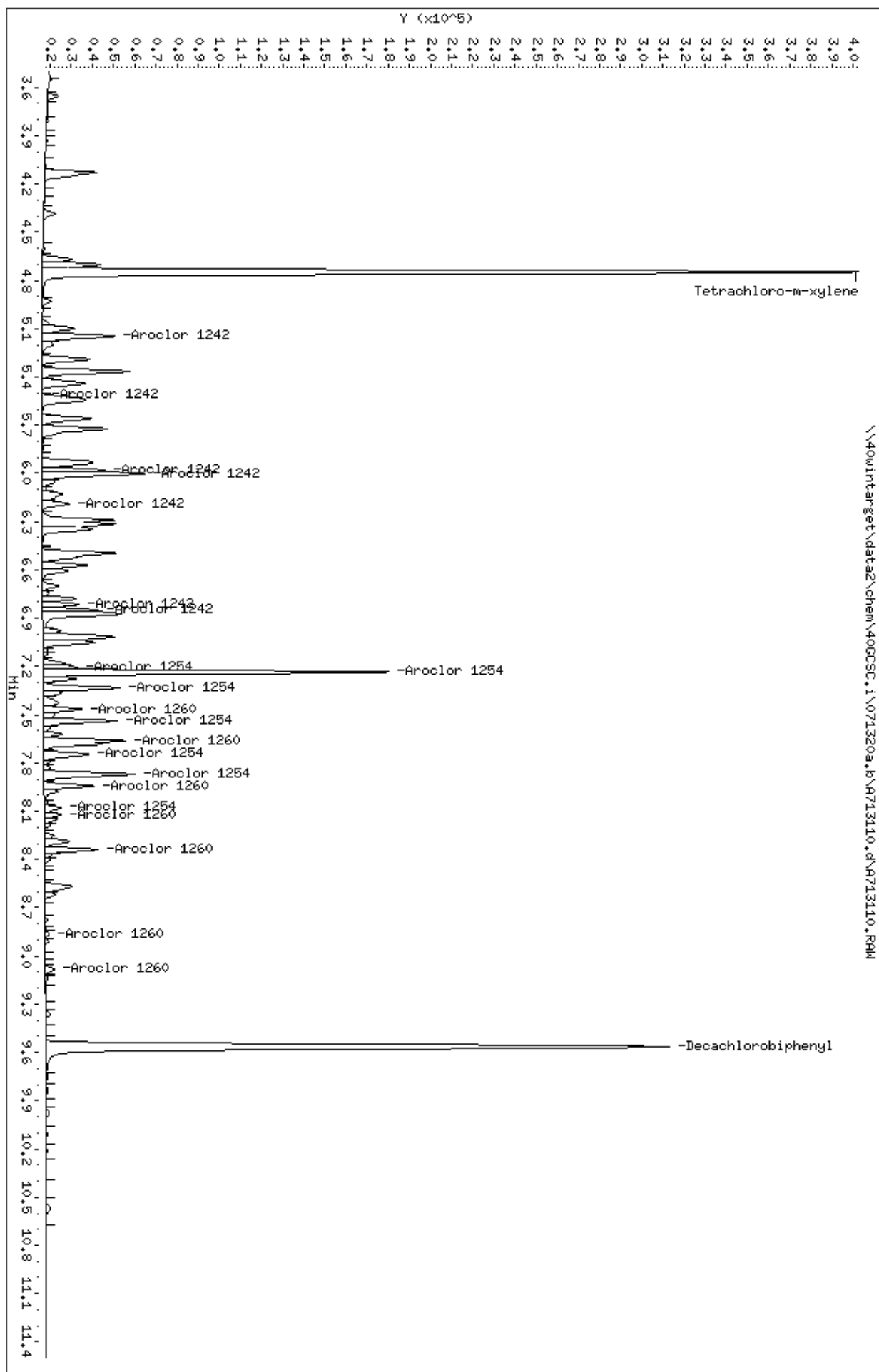
M - Compound response manually integrated.

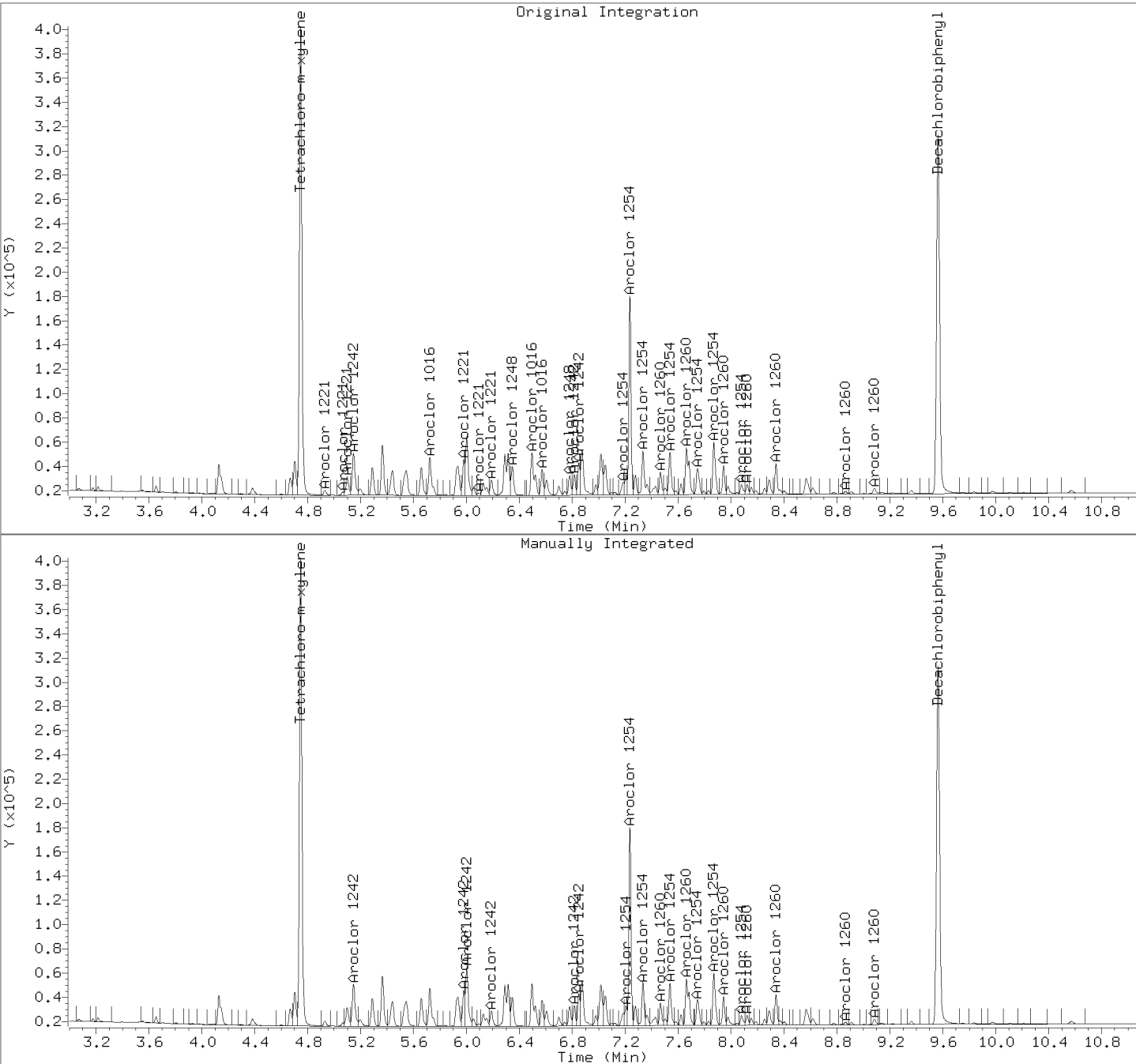
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713110.d
Date : 14-JUL-2020 23:31
Client ID: PAS-B8-244
Sample Info: 40209774005
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1016	53647	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	
Aroclor 1221	6155	0	

Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1232	6155	0	
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1242	53647	54416	BA
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1248	32743	0	
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1254	13465	20604	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Aroclor 1260	22779	0	CO
Tetrachloro-m-xylene	510648	510648	
Decachlorobiphenyl	492991	489203	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713110.d
Lab Smp Id: 40209774005 Client Smp ID: PAS-BS-244
Inj Date : 14-JUL-2020 23:31
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774005
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.019	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	1159	1143	0.986	0.04		
3.443	1844	1645	0.892	0.06		
3.510	683	387	0.567	0.02		
3.575	6992	6197	0.886	0.25		
3.610	856	773	0.903	0.03		
3.652	1054	513	0.487	0.03		
3.688	1732	1002	0.578	0.06		
3.813	531	263	0.496	0.01		
3.877	515	433	0.841	0.01		
3.977	26412	25651	0.971	0.97		
4.115	1106	411	0.371	0.04		
4.192	13218	11201	0.847	0.48		
4.257	1431	970	0.678	0.05		
4.288	10500	7007	0.667	0.38		
4.447	891	547	0.614	0.03		
4.480	2573	1802	0.700	0.09		
4.518	1575	900	0.572	0.05		
4.565	970	491	0.506	0.03		
4.682	447905	382938	0.855	16.46	\$ 2 Tetrachloro-m-xylene	
4.745	2430	2001	0.824	0.08		
4.775	19464	16629	0.854	0.71		
4.800	34662	24934	0.719	1.27		
4.940	17884	13295	0.743	0.65		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.982	6148	4580	0.745	0.22	
5.028	6733	4135	0.614	0.24	
5.093	769	624	0.812	0.02	
5.135	19447	15067	0.775	0.71	
5.202	53329	39186	0.735	1.96	3 Aroclor 1242
5.298	55459	38788	0.699	2.03	
5.377	513	426	0.831	0.01	
5.445	28486	23141	0.812	1.04	
5.618	16196	16442	1.015	0.59	3 Aroclor 1242
5.637	26544	21125	0.796	0.97	
5.680	7066	4950	0.700	0.25	
5.735	29651	23936	0.807	1.08	
5.793	1188	944	0.794	0.04	
5.828	38494	33395	0.868	1.41	
5.863	9217	6812	0.739	0.33	
5.922	1659	966	0.582	0.06	
5.955	22507	19897	0.884	0.82	
5.983	25339	20278	0.800	0.93	
6.042	33087	32559	0.984	1.21	3 Aroclor 1242
6.060	69073	54530	0.789	2.53	
6.175	13803	6064	0.439	0.50	
6.223	2418	1945	0.805	0.08	
6.277	16801	14159	0.843	0.61	3 Aroclor 1242
6.307	6940	6378	0.919	0.25	
6.352	40090	35108	0.876	1.47	
6.392	41594	36041	0.866	1.52	
6.423	36168	27410	0.758	1.32	
6.487	4912	2143	0.436	0.18	
6.587	42080	36257	0.862	1.54	
6.625	22513	17298	0.768	0.82	
6.692	38278	29804	0.779	1.40	
6.753	3415	2054	0.601	0.12	
6.815	13209	10970	0.830	0.48	
6.843	20320	17397	0.856	0.74	
6.893	33156	26950	0.813	1.21	3 Aroclor 1242
6.932	61485	50409	0.820	2.26	3 Aroclor 1242
6.992	7414	6292	0.849	0.27	
7.023	9271	8065	0.870	0.34	
7.070	34061	26382	0.775	1.25	
7.117	46896	36767	0.784	1.72	
7.162	20521	11881	0.579	0.75	
7.207	7126	5856	0.822	0.26	
7.248	4672	3254	0.696	0.17	
7.312	189923	161226	0.849	6.98	16 Aroclor 1254
7.385	17667	15516	0.878	0.64	
7.423	54647	38051	0.696	2.00	16 Aroclor 1254
7.498	7387	3813	0.516	0.27	
7.562	29213	21627	0.740	1.07	16 Aroclor 1254
7.583	43487	36642	0.843	1.59	
7.658	9746	8602	0.883	0.35	
7.703	41491	37512	0.904	1.52	28 Aroclor 1260
7.730	25392	22713	0.895	0.93	
7.837	36833	23816	0.647	1.35	16 Aroclor 1254
7.883	4093	3101	0.758	0.15	
7.915	3526	3226	0.915	0.12	
7.958	54653	33214	0.608	2.00	16 Aroclor 1254
8.017	23551	20752	0.881	0.86	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.055	8122	6225	0.766	0.29	
8.118	4200	2327	0.554	0.15	
8.172	1487	1183	0.796	0.05	
8.228	13986	7383	0.528	0.51	16 Aroclor 1254
8.282	6139	5016	0.817	0.22	
8.327	10534	5813	0.552	0.38	
8.402	29965	21741	0.726	1.10	28 Aroclor 1260
8.515	453	390	0.860	0.01	
8.558	10774	9508	0.882	0.39	
8.693	19688	10302	0.523	0.72	
8.723	6181	3994	0.646	0.22	
8.887	1050	680	0.648	0.03	
8.945	1027	888	0.865	0.03	
9.032	914	753	0.824	0.03	28 Aroclor 1260
9.060	2214	1628	0.735	0.08	
9.110	465	402	0.865	0.01	
9.192	6578	4125	0.627	0.24	28 Aroclor 1260
9.333	2723	1899	0.697	0.10	
9.417	657	322	0.490	0.02	
9.533	3160	2046	0.648	0.11	
9.565	3333	1645	0.493	0.12	
9.837	461548	280844	0.608	17.53	\$ 42 Decachlorobiphenyl
10.438	3506	1401	0.400	0.12	
10.603	850	402	0.473	0.03	
10.968	806	379	0.470	0.02	
11.418	4162	1684	0.405	0.15	
	2720566	2084589		100.000	

Total unknown % area = 40

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713110.d
Lab Smp Id: 40209774005 Client Smp ID: PAS-BS-244
Inj Date : 14-JUL-2020 23:31
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774005
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.019	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.681	4.660	0.021	447905	0.09020	45				
3 Aroclor 1242					CAS #: 53469-21-9				
5.201	5.179	0.022	53328	0.71858	360	0.00-	20.00	100.00	
5.618	5.597	0.021	16196	0.11709	58	0.00-	20.00	30.37	
6.041	6.021	0.020	33086	0.25298	130	0.00-	20.00	62.04	
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00	
6.276	6.257	0.019	16801	0.18987	95	0.00-	20.00	31.51	
6.893	6.876	0.017	33156	0.29999	150	0.00-	20.00	62.17	
6.931	6.916	0.015	61485	0.46356	230	0.00-	20.00	115.30	
Average of Peak Concentrations =					170				

			CONCENTRATIONS							
				ON-COL	FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE		RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====		=====	=====
4 Aroclor 1232					CAS #: 1114-16-5					
Operator disabled compound identification.										

7 Aroclor 1016					CAS #: 12674-11-2					
Operator disabled compound identification.										

12 Aroclor 1248					CAS #: 12672-29-6					
Operator disabled compound identification.										

16 Aroclor 1254					CAS #: 11097-69-1					
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00		0.00	
7.311	7.322	-0.011	189923	1.02063	510	0.00-	20.00		0.00	
7.423	7.409	0.014	54646	0.14387	72	0.00-	20.00		0.00	
7.561	7.568	-0.007	29212	0.11068	55	0.00-	20.00		0.00	
7.836	7.822	0.014	36833	0.22435	110	0.00-	20.00		0.00	
7.958	7.947	0.011	54652	0.16588	83	0.00-	20.00		0.00	
8.228	8.200	0.028	13985	0.14938	75	0.00-	20.00		0.00	
Average of Peak Concentrations =					150					

28 Aroclor 1260					CAS #: 11096-82-5					
7.561	7.548	0.013	29212	0.11676	58	0.00-	20.00		100.00	
7.703	7.688	0.015	41490	0.15480	77	0.00-	20.00		142.03	
8.016	8.002	0.014	23551	0.10400	52	0.00-	20.00		80.62	
8.228	8.214	0.014	13985	0.05910	30	0.00-	20.00		47.87	
8.401	8.384	0.017	29965	0.06340	32	0.00-	20.00		102.58	
9.031	9.040	-0.009	914	0.01197	6.0	0.00-	20.00		3.13	
9.191	9.171	0.020	6577	0.04324	22	0.00-	20.00		22.51	
Average of Peak Concentrations =					39					

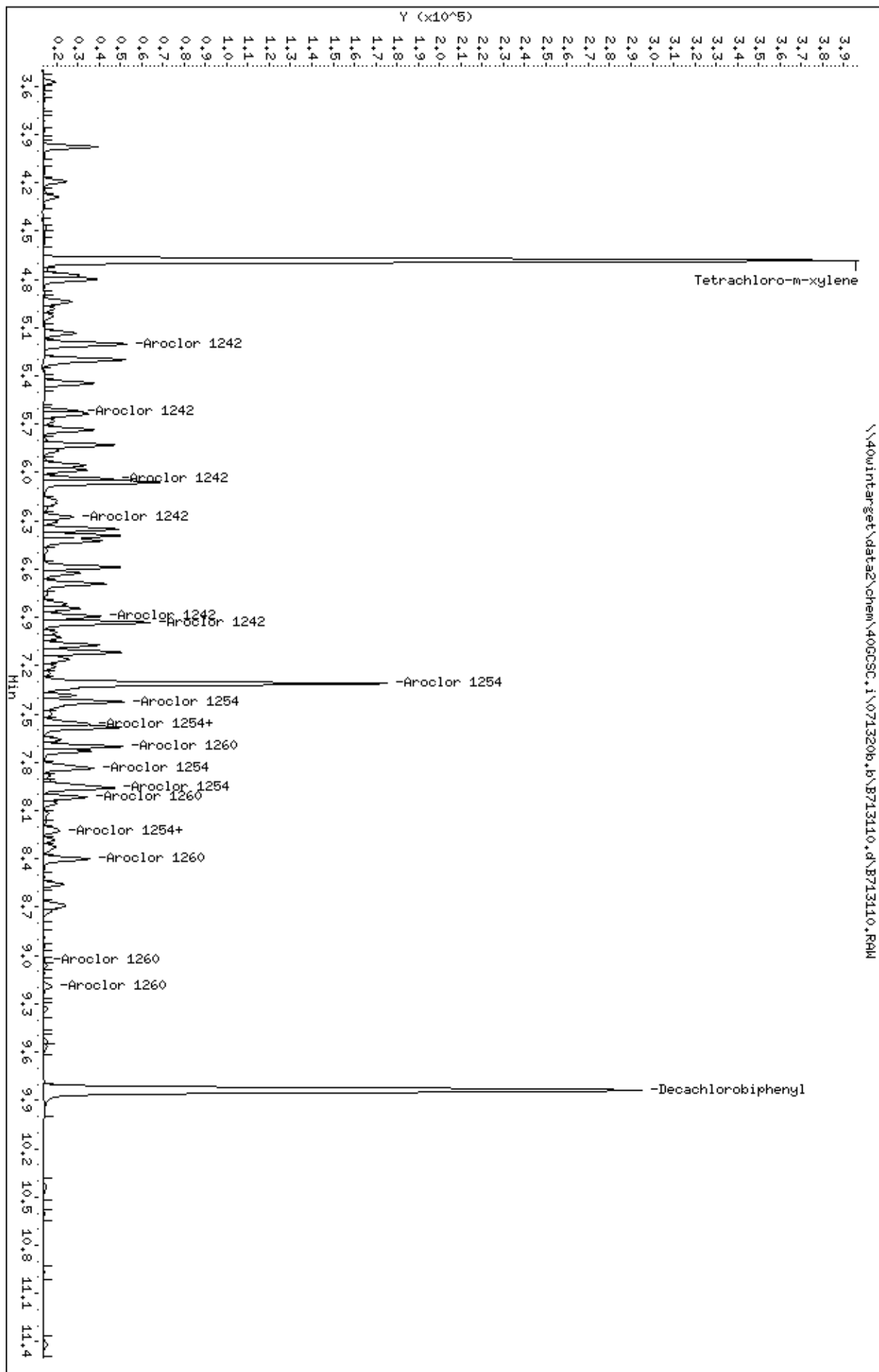
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3					
9.836	9.812	0.024	461548	0.08751	44					

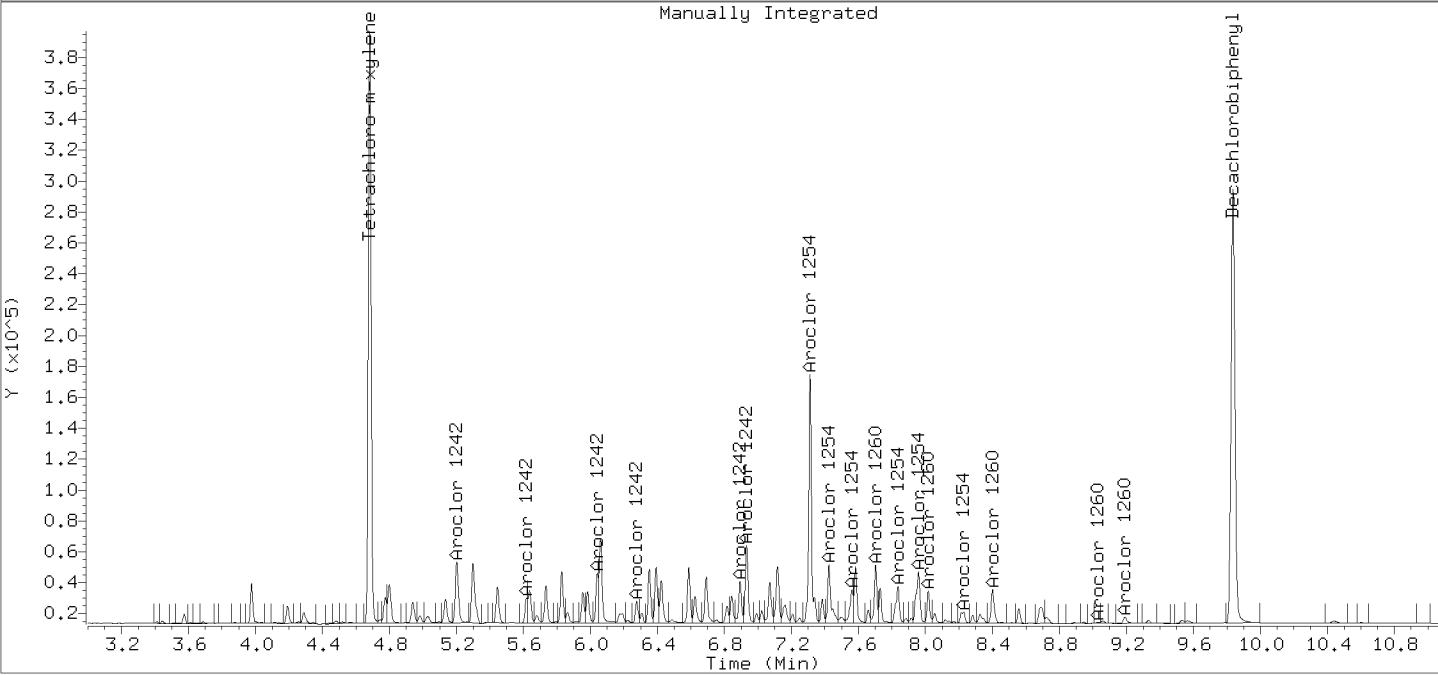
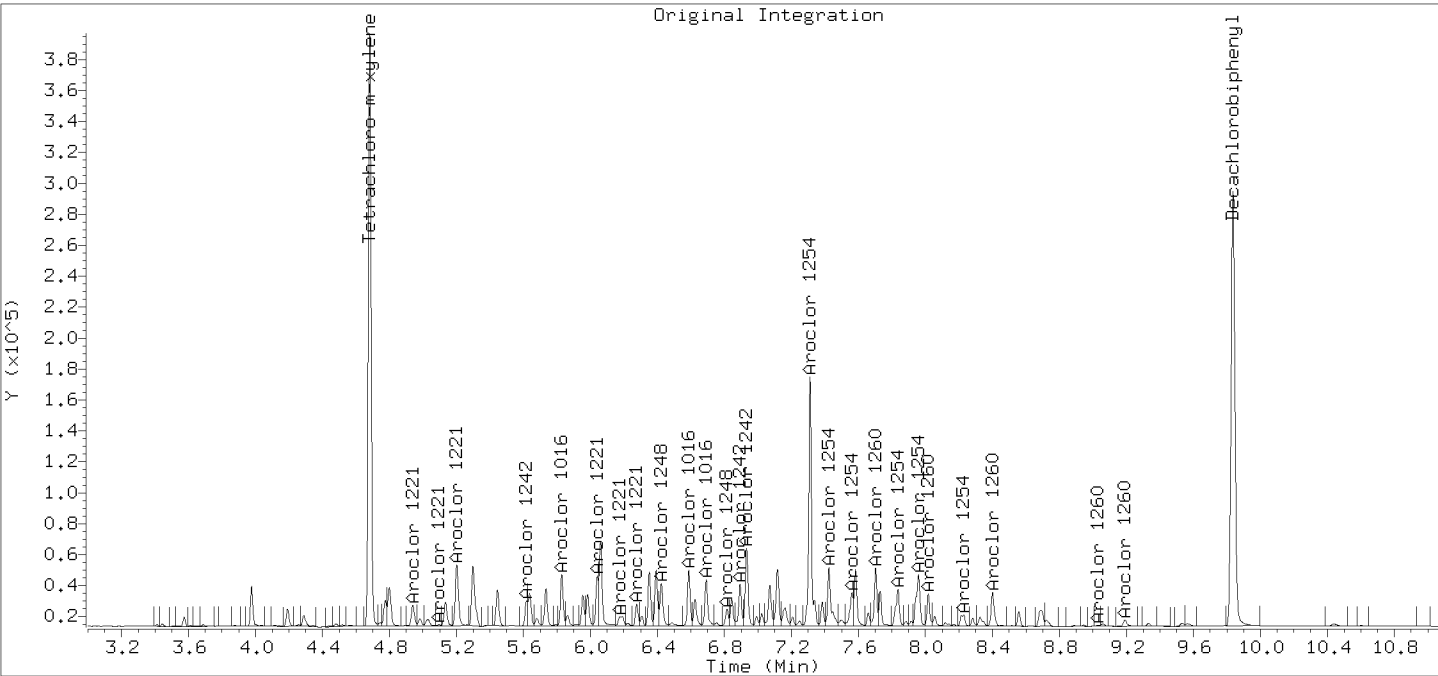
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713110.d
Date : 14-JUL-2020 23:31
Client ID: PAS-B8-244
Sample Info: 40209774005
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1016	53328	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	
Aroclor 1221	17884	0	

Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1232	17884	0
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1242	53328	53328
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1248	33086	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Aroclor 1260	29212	29212
Tetrachloro-m-xylene	447905	447905
Decachlorobiphenyl	461548	461548
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-245

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 40209774006

Date Analyzed: 07/14/2020 23:53

Lab File ID: 071320A.BIA713111.D

Initial wt/vol: 17.7755 Final wt/vol: 10 mL Dilution: 1

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	326	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	153	
11096-82-5	PCB-1260 (Aroclor 1260)	41.1	
1336-36-3	PCB, Total	520	

07/15/2020 1:45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713111.d
Lab Smp Id: 40209774006 Client Smp ID: PAS-BS-245
Inj Date : 14-JUL-2020 23:53
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774006
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.776	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.023	3648	3449	0.945	0.08		
3.070	6499	3478	0.535	0.14		
3.130	5380	3995	0.743	0.11		
3.153	8044	3658	0.455	0.17		
3.215	2938	1498	0.510	0.06		
3.287	30715	26733	0.870	0.67		
3.330	3579	3974	1.111	0.07		
3.353	16025	15055	0.939	0.35		
3.380	14883	13538	0.910	0.32		
3.440	31238	24897	0.797	0.68		
3.497	1374	1069	0.778	0.03		
3.550	7473	3645	0.488	0.16		
3.653	51708	44573	0.862	1.13		
3.763	3139	2394	0.763	0.06		
3.800	6989	5366	0.768	0.15		
3.853	11415	7716	0.676	0.25		
3.925	2759	1373	0.498	0.06		
4.010	2520	2550	1.012	0.05		
4.035	9985	8574	0.859	0.21		
4.088	1629	1603	0.984	0.03		
4.128	81326	49499	0.609	1.78		
4.198	9062	7926	0.875	0.19		
4.223	11537	10208	0.885	0.25		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.287	1219	868	0.712	0.02	
4.313	1692	1584	0.936	0.03	
4.340	3872	2852	0.737	0.08	
4.382	15326	11159	0.728	0.33	
4.442	11080	8217	0.742	0.24	
4.600	4521	3725	0.824	0.09	
4.630	2202	1850	0.840	0.04	
4.667	26153	20466	0.783	0.57	
4.700	55792	39528	0.708	1.22	
4.745	470418	364227	0.774	10.34	\$ 2 Tetrachloro-m-xyle
4.852	5926	3839	0.648	0.13	
4.887	10231	6987	0.683	0.22	
4.928	10290	6189	0.601	0.22	
4.983	6380	4909	0.769	0.14	
5.065	3373	2798	0.829	0.07	
5.097	43276	22586	0.522	0.95	
5.145	85807	53016	0.618	1.88	3 Aroclor 1242
5.195	12216	6348	0.520	0.26	
5.288	49931	35002	0.701	1.09	
5.363	65084	47541	0.730	1.43	
5.440	35042	19985	0.570	0.77	
5.487	11421	8749	0.766	0.25	3 Aroclor 1242
5.543	66648	33582	0.504	1.46	
5.585	7991	5486	0.686	0.17	
5.657	58903	40549	0.688	1.29	
5.722	80038	51248	0.640	1.75	
5.797	2529	1884	0.745	0.05	
5.838	2577	1648	0.640	0.05	
5.932	75342	40457	0.537	1.65	
5.978	49149	45599	0.928	1.08	3 Aroclor 1242
6.000	126996	82689	0.651	2.79	3 Aroclor 1242
6.052	12762	9389	0.736	0.28	
6.092	4375	3265	0.746	0.09	
6.125	22704	16886	0.744	0.49	
6.152	12442	9815	0.789	0.27	
6.187	30651	21328	0.696	0.67	3 Aroclor 1242
6.288	74543	60111	0.806	1.63	
6.313	77753	61301	0.788	1.70	
6.343	66987	49280	0.736	1.47	
6.407	2360	1672	0.708	0.05	
6.447	1511	1478	0.978	0.03	
6.493	108819	61031	0.561	2.39	
6.568	47529	37828	0.796	1.04	
6.605	35303	21217	0.601	0.77	
6.697	18042	12685	0.703	0.39	
6.742	7151	5773	0.807	0.15	
6.778	36367	28277	0.778	0.79	
6.813	36557	29625	0.810	0.80	
6.848	53241	43671	0.820	1.17	3 Aroclor 1242
6.873	108378	70449	0.650	2.38	
6.977	20195	16510	0.818	0.44	
7.015	99151	63067	0.636	2.18	
7.048	70980	48331	0.681	1.56	
7.097	2733	2514	0.920	0.06	
7.118	6608	4773	0.722	0.14	
7.182	22382	15611	0.697	0.49	
7.205	36166	29758	0.823	0.79	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.233	281170	246625	0.877	6.18	16 Aroclor 1254
7.275	45669	34719	0.760	1.00	
7.332	84630	72505	0.857	1.86	16 Aroclor 1254
7.362	20948	15216	0.726	0.46	
7.427	27774	12600	0.454	0.61	
7.465	43001	34910	0.812	0.94	28 Aroclor 1260
7.500	15364	10517	0.685	0.33	
7.537	83818	64331	0.768	1.84	16 Aroclor 1254
7.580	8207	6051	0.737	0.18	
7.620	21010	17363	0.826	0.46	
7.660	125083	73150	0.585	2.75	28 Aroclor 1260
7.718	272	1406	5.165	0.00	
7.745	63333	41650	0.658	1.39	16 Aroclor 1254
7.793	6967	5704	0.819	0.15	
7.828	8542	7316	0.857	0.18	
7.868	116803	85838	0.735	2.56	16 Aroclor 1254
7.942	48725	40912	0.840	1.07	28 Aroclor 1260
7.975	24386	14238	0.584	0.53	
8.043	4273	3315	0.776	0.09	
8.077	23665	16919	0.715	0.52	16 Aroclor 1254
8.120	19011	15598	0.820	0.41	28 Aroclor 1260
8.152	16258	12512	0.770	0.35	
8.187	8583	6408	0.747	0.18	
8.252	10729	8338	0.777	0.23	
8.287	29355	20588	0.701	0.64	
8.337	59838	49220	0.823	1.31	28 Aroclor 1260
8.368	7479	6298	0.842	0.16	
8.400	12343	9381	0.760	0.27	
8.565	43384	25197	0.581	0.95	
8.617	15070	8806	0.584	0.33	
8.775	2481	1687	0.680	0.05	
8.830	1224	956	0.781	0.02	
8.865	5986	4185	0.699	0.13	28 Aroclor 1260
8.907	5408	3742	0.692	0.11	
8.997	644	421	0.653	0.01	
9.082	12591	8166	0.649	0.27	28 Aroclor 1260
9.138	2852	1527	0.536	0.06	
9.360	5307	3246	0.612	0.11	
9.562	475829	287533	0.604	11.04	\$ 42 Decachlorobiphenyl
9.750	3370	1504	0.446	0.07	
9.832	2782	1067	0.384	0.06	
9.975	3413	1566	0.459	0.07	
10.108	1611	557	0.346	0.03	
10.208	1650	749	0.454	0.03	
10.303	520	183	0.352	0.01	
10.568	5733	2057	0.359	0.12	
=====		=====		=====	
4548066		3234760		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713111.d
Lab Smp Id: 40209774006 Client Smp ID: PAS-BS-245
Inj Date : 14-JUL-2020 23:53
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774006
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.776	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	470417	0.08098	46			(M)	BA
3 Aroclor 1242					CAS #: 53469-21-9				
5.145	5.123	0.022	85807	1.10137	620	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.978	5.960	0.018	49149	0.37275	210	0.00-	20.00	57.28	BA
6.000	5.982	0.018	126996	0.55187	310	0.00-	20.00	148.00	BA
6.186	6.169	0.017	30650	0.29391	160	0.00-	20.00	35.72	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					330				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.205	7.193	0.012	36165	0.32099	180	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.331	7.320	0.011	84629	0.23182	130	0.00-	20.00	234.01	CO
7.536	7.524	0.012	83817	0.29806	170	0.00-	20.00	231.76	CO
7.745	7.733	0.012	63332	0.28551	160	0.00-	20.00	175.12	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.076	8.066	0.010	23664	0.22338	120	0.00-	20.00	65.43	CO
Average of Peak Concentrations =					150				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	19011	0.07351	41	0.00-	20.00	0.00	CO
8.336	8.325	0.011	59837	0.09778	55	0.00-	20.00	0.00	CO
8.865	8.850	0.015	5986	0.05611	32	0.00-	20.00	0.00	CO
9.081	9.068	0.013	12590	0.06479	36	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					41				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.561	9.546	0.015	475828	0.08228	46				

QC Flag Legend

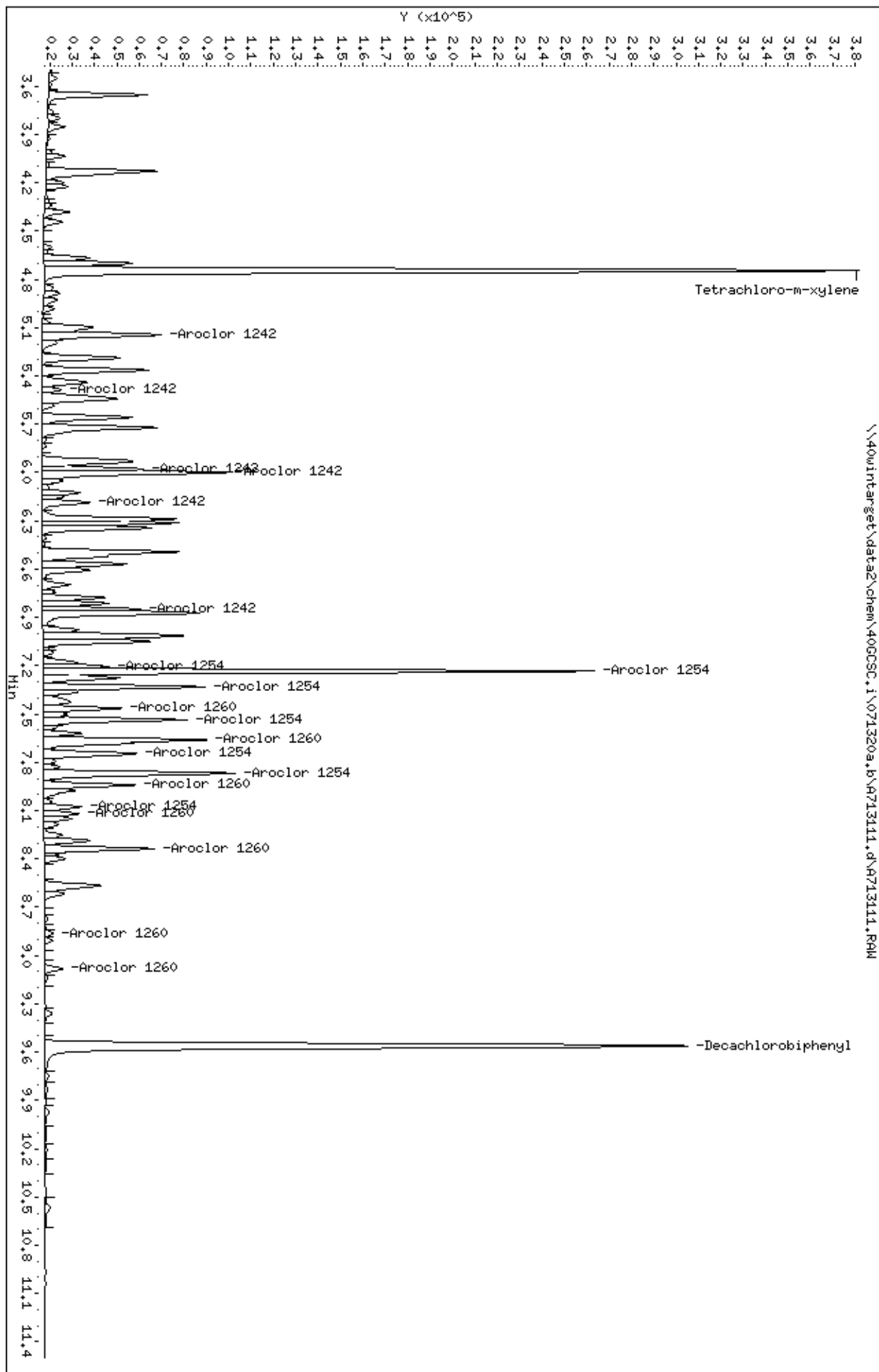
M - Compound response manually integrated.

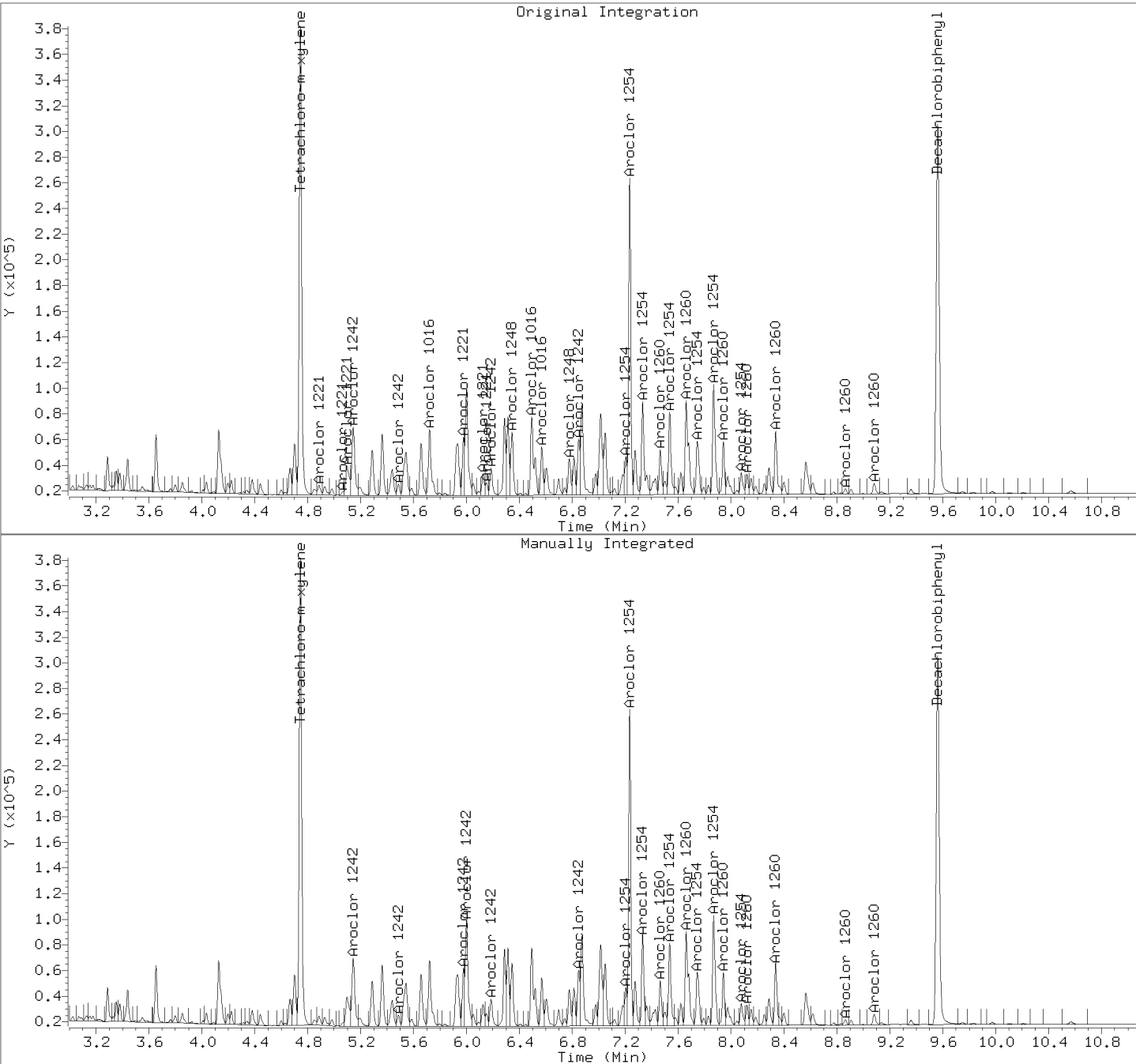
Review Codes Legend

- :
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713111.d
Date : 14-JUL-2020 23:53
Client ID: PAS-B8-245
Sample Info: 40209774006
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1016	84835	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	
Aroclor 1221	11566	0	

Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1232	11566	0	
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1242	84835	85807	BA
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1248	46862	0	
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1254	34280	36165	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Aroclor 1260	42330	0	CO
Tetrachloro-m-xylene	474463	470417	BA
Decachlorobiphenyl	475828	475828	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713111.d
Lab Smp Id: 40209774006 Client Smp ID: PAS-BS-245
Inj Date : 14-JUL-2020 23:53
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774006
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.776	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.020	935	1187	1.269	0.02		
3.093	1860	1422	0.764	0.04		
3.163	16287	13077	0.803	0.37		
3.187	13332	12476	0.936	0.30		
3.223	33517	27335	0.816	0.77		
3.272	5629	4438	0.788	0.13		
3.342	29646	26713	0.901	0.68		
3.408	3175	2133	0.672	0.07		
3.443	4921	4029	0.819	0.11		
3.522	2561	1309	0.511	0.05		
3.575	47079	47146	1.001	1.09		
3.608	3261	2544	0.780	0.07		
3.643	10581	9833	0.929	0.24		
3.667	6106	6008	0.984	0.14		
3.687	9924	6373	0.642	0.23		
3.738	5782	3670	0.635	0.13		
3.807	11008	8675	0.788	0.25		
3.892	3810	1963	0.515	0.08		
3.975	73377	59378	0.809	1.70		
4.052	14390	10819	0.752	0.33		
4.103	6380	3078	0.482	0.14		
4.162	6476	5368	0.829	0.15		
4.190	23149	17196	0.743	0.53		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.237	11003	8900	0.809	0.25	
4.288	11601	6927	0.597	0.26	
4.448	1133	842	0.743	0.02	
4.482	9545	6485	0.679	0.22	
4.522	5354	3897	0.728	0.12	
4.560	5388	2665	0.495	0.12	
4.617	4138	3701	0.894	0.09	
4.637	3941	3872	0.982	0.09	
4.680	436800	360238	0.825	10.15	\$ 2 Tetrachloro-m-xyle
4.747	8444	7044	0.834	0.19	
4.773	28784	25019	0.869	0.66	
4.798	49982	34520	0.691	1.16	
4.892	1535	1288	0.839	0.03	
4.938	19281	13528	0.702	0.44	
4.960	12659	11103	0.877	0.29	
4.980	11327	8732	0.771	0.26	
5.027	10953	5192	0.474	0.25	
5.097	3849	1583	0.411	0.08	
5.133	31174	22890	0.734	0.72	
5.200	78515	57913	0.738	1.82	3 Aroclor 1242
5.263	2940	2376	0.808	0.06	
5.298	77159	51279	0.665	1.79	
5.375	3235	1008	0.312	0.07	
5.443	47859	35531	0.742	1.11	
5.540	3092	1255	0.406	0.07	
5.617	27259	24834	0.911	0.63	3 Aroclor 1242
5.635	42830	34195	0.798	0.99	
5.678	11968	8327	0.696	0.27	
5.733	50806	40267	0.793	1.18	
5.827	68518	55093	0.804	1.59	
5.862	14258	10410	0.730	0.33	
5.922	2609	1645	0.631	0.06	
5.953	40566	36162	0.891	0.94	
5.982	42652	33775	0.792	0.99	
6.040	46372	50327	1.085	1.07	3 Aroclor 1242
6.060	118406	90836	0.767	2.75	
6.173	21617	9401	0.435	0.50	
6.222	3647	2867	0.786	0.08	
6.273	28819	24618	0.854	0.66	3 Aroclor 1242
6.307	13770	10747	0.780	0.32	
6.350	71403	63280	0.886	1.65	
6.390	74449	65096	0.874	1.73	
6.422	67622	53003	0.784	1.57	
6.487	9469	2984	0.315	0.22	
6.587	70129	61536	0.877	1.63	
6.623	39241	30726	0.783	0.91	
6.690	70946	53081	0.748	1.64	
6.750	5241	3243	0.619	0.12	
6.813	22762	18782	0.825	0.52	
6.842	35821	31071	0.867	0.83	
6.892	52152	42921	0.823	1.21	3 Aroclor 1242
6.930	109620	93758	0.855	2.54	3 Aroclor 1242
6.990	12734	11153	0.876	0.29	
7.022	17568	15478	0.881	0.40	
7.068	64284	50580	0.787	1.49	
7.115	88370	71412	0.808	2.05	
7.158	31787	18151	0.571	0.73	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.202	14178	8661	0.611	0.32	
7.247	8946	6294	0.704	0.20	
7.308	294320	233388	0.793	6.84	16 Aroclor 1254
7.382	37890	33601	0.887	0.88	
7.422	103659	74502	0.719	2.40	16 Aroclor 1254
7.497	14386	7734	0.538	0.33	
7.560	58693	42126	0.718	1.36	16 Aroclor 1254
7.580	81388	68713	0.844	1.89	
7.657	19964	16265	0.815	0.46	
7.700	77312	69956	0.905	1.79	28 Aroclor 1260
7.728	35374	30117	0.851	0.82	
7.835	70253	43403	0.618	1.63	16 Aroclor 1254
7.882	8561	6282	0.734	0.19	
7.913	8559	7037	0.822	0.19	
7.958	107292	68841	0.642	2.49	16 Aroclor 1254
8.015	42409	36877	0.870	0.98	28 Aroclor 1260
8.053	16908	12689	0.750	0.39	
8.117	5341	4657	0.872	0.12	
8.138	3146	3142	0.999	0.07	
8.168	6809	5399	0.793	0.15	
8.215	29870	15191	0.509	0.69	16 Aroclor 1254
8.280	12891	9979	0.774	0.29	
8.323	22141	11121	0.502	0.51	
8.398	56674	42587	0.751	1.31	28 Aroclor 1260
8.452	2431	1463	0.602	0.05	
8.513	1671	1032	0.618	0.03	
8.555	18793	16047	0.854	0.43	
8.637	1403	735	0.524	0.03	
8.683	41206	20979	0.509	0.95	
8.720	12276	7154	0.583	0.28	
8.885	2251	1342	0.596	0.05	
8.943	1846	1323	0.717	0.04	
9.030	1452	1221	0.841	0.03	28 Aroclor 1260
9.057	5237	3265	0.623	0.12	
9.188	11036	7210	0.653	0.25	28 Aroclor 1260
9.328	5143	3607	0.701	0.11	
9.412	1002	485	0.484	0.02	
9.530	4386	2862	0.653	0.10	
9.562	3417	1556	0.455	0.07	
9.690	614	292	0.476	0.01	
9.833	449537	274054	0.610	11.07	\$ 42 Decachlorobiphenyl
10.442	4473	1572	0.351	0.10	
10.598	826	398	0.482	0.01	
10.962	1308	605	0.462	0.03	
11.412	3909	1634	0.418	0.09	
	4301749	3281115		100.000	

Total unknown % area = 51

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713111.d
Lab Smp Id: 40209774006 Client Smp ID: PAS-BS-245
Inj Date : 14-JUL-2020 23:53
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774006
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.776	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8				
4.680	4.660	0.020		436799	0.08796	49								
3 Aroclor 1242										CAS #: 53469-21-9				
5.200	5.179	0.021		78514	1.05795	600	0.00-	20.00	100.00					
5.616	5.597	0.019		27259	0.19708	110	0.00-	20.00	34.72					
6.040	6.021	0.019		46372	0.35457	200	0.00-	20.00	59.06					
0.000	6.040	-6.040		0	0.00	0.00	0.00-	20.00	0.00					
6.273	6.257	0.016		28818	0.32568	180	0.00-	20.00	36.70					
6.891	6.876	0.015		52152	0.47186	260	0.00-	20.00	66.42					
6.930	6.916	0.014		109619	0.82646	460	0.00-	20.00	139.62					
Average of Peak Concentrations =						300								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
7.308	7.278	0.030	294319	3.06793	1700	0.00-	20.00	100.00	
0.000	7.322	-7.322	0	0.00	0.00	0.00-	20.00	0.00	
7.421	7.409	0.012	103659	0.27291	150	0.00-	20.00	35.22	
7.560	7.568	-0.008	58693	0.22238	120	0.00-	20.00	19.94	
7.835	7.822	0.013	70253	0.42791	240	0.00-	20.00	23.87	
7.958	7.947	0.011	107291	0.32565	180	0.00-	20.00	36.45	
8.215	8.200	0.015	29870	0.31905	180	0.00-	20.00	10.15	
Average of Peak Concentrations =					430				

28 Aroclor 1260			CAS #: 11096-82-5						
7.560	7.548	0.012	58693	0.23459	130	0.00-	20.00	100.00	
7.700	7.688	0.012	77311	0.28846	160	0.00-	20.00	131.72	
8.015	8.002	0.013	42408	0.18726	100	0.00-	20.00	72.25	
8.215	8.214	0.001	29870	0.12624	71	0.00-	20.00	50.89	
8.398	8.384	0.014	56673	0.11991	67	0.00-	20.00	96.56	
9.030	9.040	-0.010	1452	0.01901	11	0.00-	20.00	2.47	
9.188	9.171	0.017	11035	0.07256	41	0.00-	20.00	18.80	
Average of Peak Concentrations =					84				

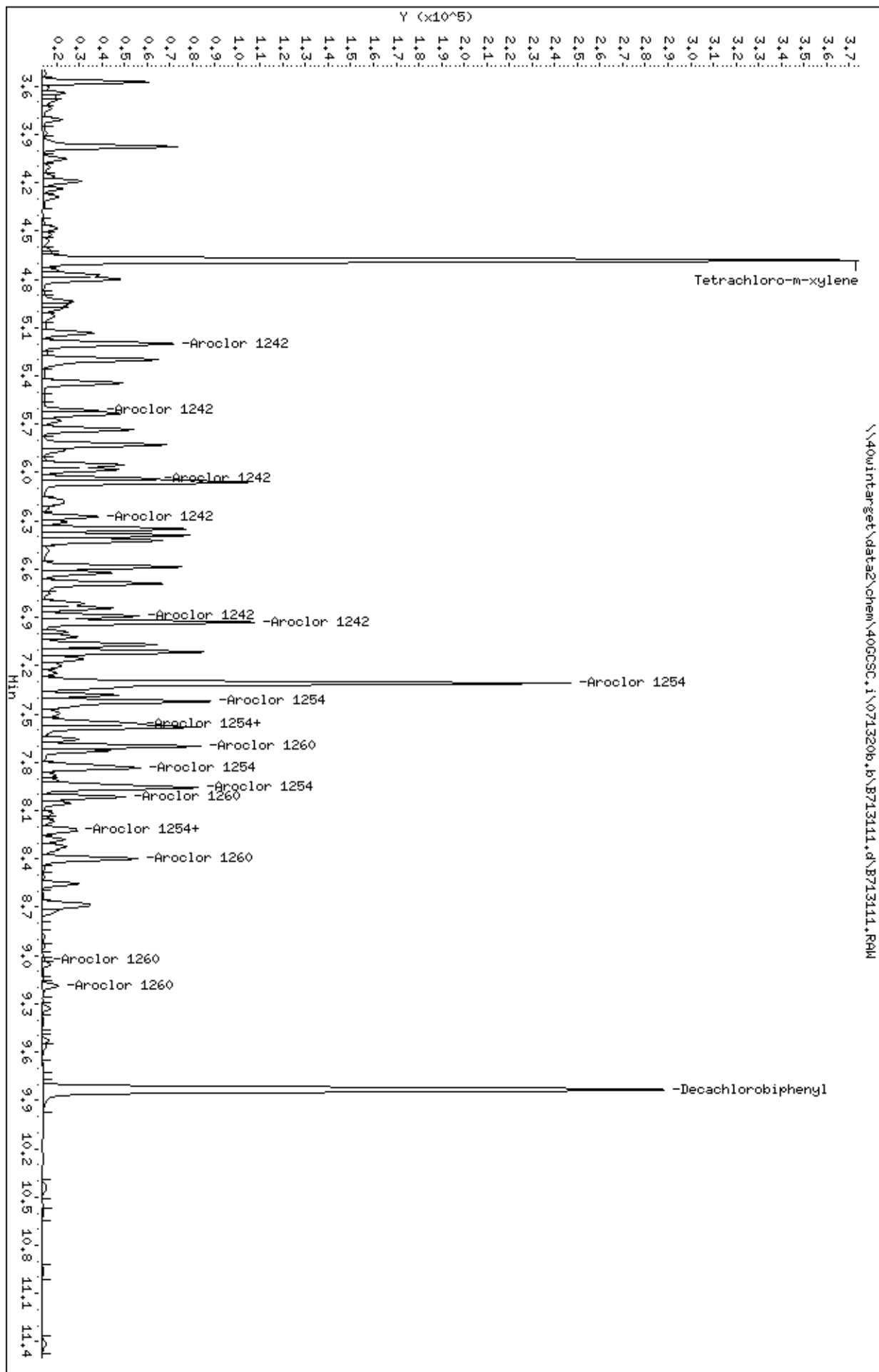
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.833	9.812	0.021	449536	0.08523	48				

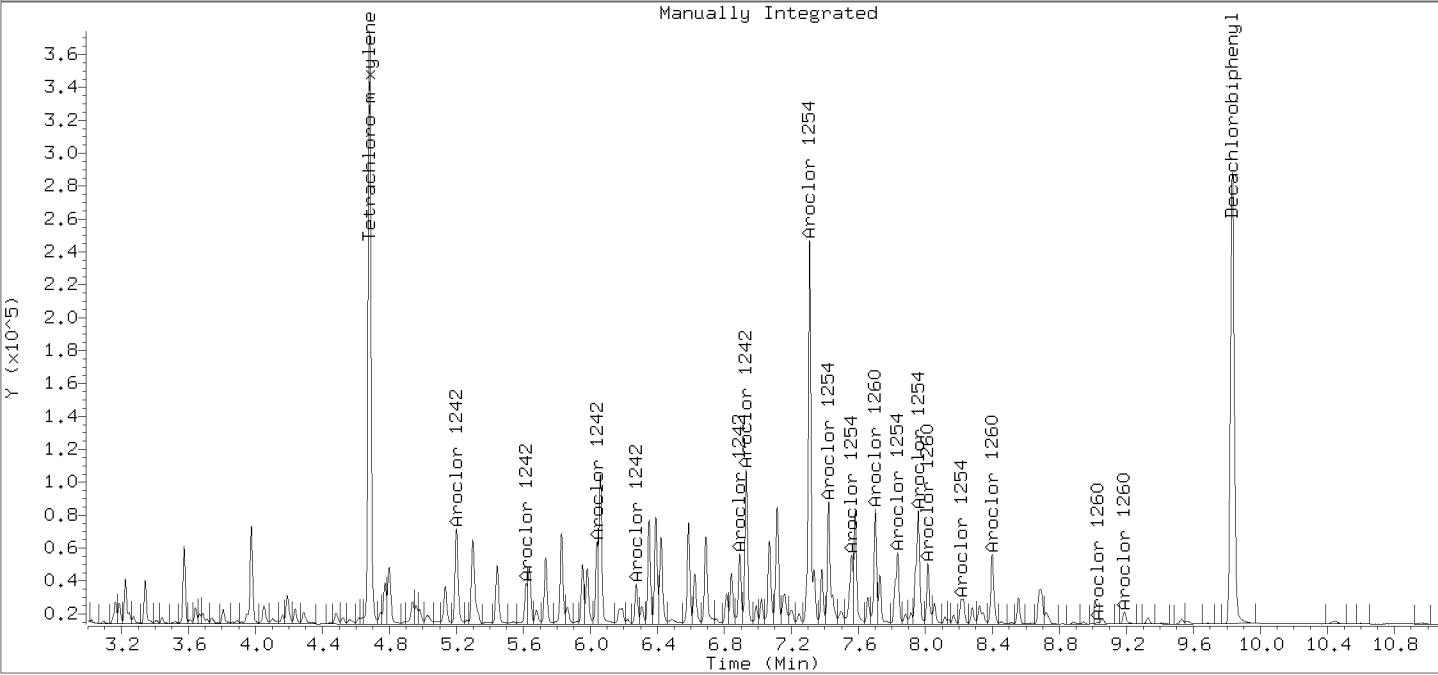
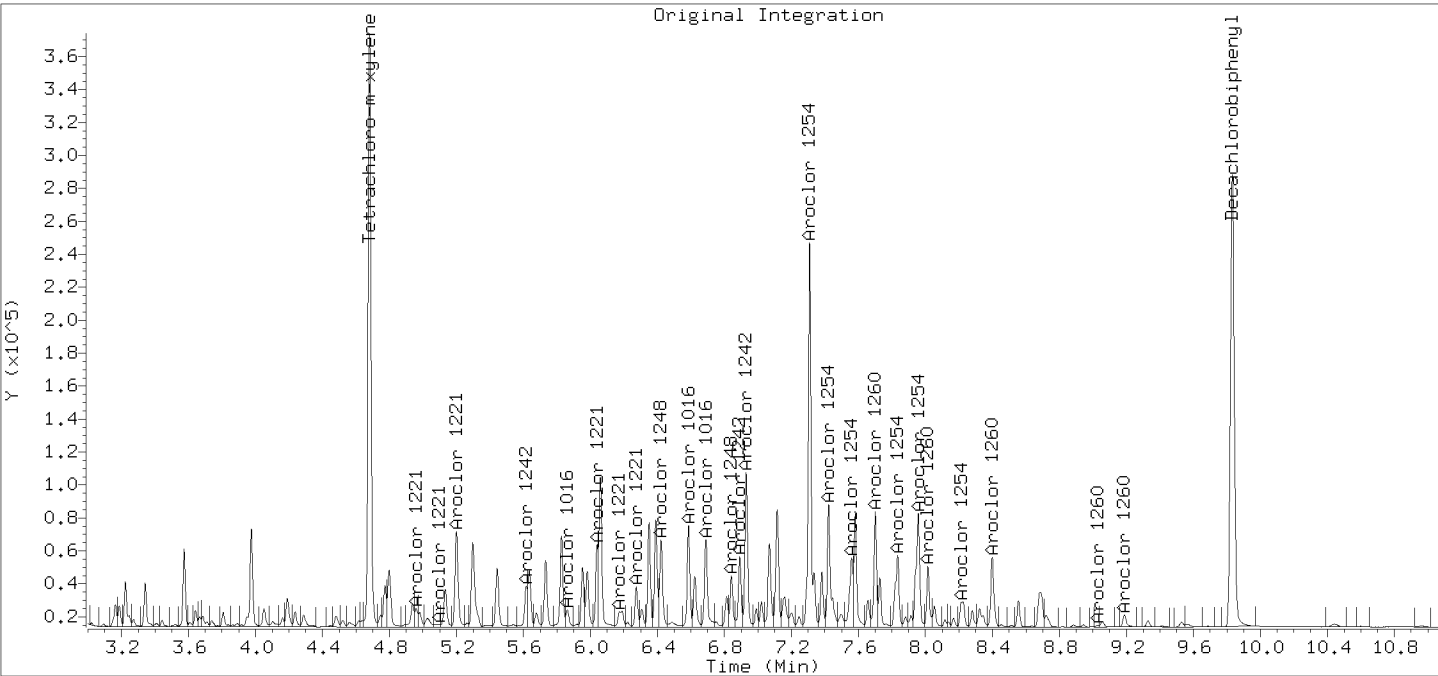
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713111.d
Date : 14-JUL-2020 23:53
Client ID: PAS-B8-245
Sample Info: 40209774006
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1016	78514	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	
Aroclor 1221	12658	0	

Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1232	12658	0
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1242	78514	78514
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1248	46372	0
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1254	294319	294319
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Aroclor 1260	58693	58693
Tetrachloro-m-xylene	436799	436799
Decachlorobiphenyl	449536	449536
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-342

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 00:16
Initial wt/vol: 9.3818 g Final wt/vol: 10 mL Dilution: 2

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774007
Lab File ID: 071320A.BIA713112.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	286	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	526	
11096-82-5	PCB-1260 (Aroclor 1260)	144	
1336-36-3	PCB, Total	956	

07/15/2020 1:45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713112.d
Lab Smp Id: 40209774007 Client Smp ID: PAS-BS-342
Inj Date : 15-JUL-2020 00:16
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774007 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	9.382	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.072	3280	2685	0.819	0.12		
3.178	3959	3870	0.978	0.15		
3.217	1505	1242	0.825	0.05		
3.552	2226	1551	0.697	0.08		
3.653	1402	1309	0.934	0.05		
3.807	732	438	0.598	0.02		
3.928	1215	1097	0.903	0.04		
4.128	35522	28284	0.796	1.39		
4.382	930	626	0.673	0.03		
4.670	1862	1333	0.716	0.07		
4.703	5474	3759	0.687	0.21		
4.747	226106	156534	0.692	8.89	\$ 2 Tetrachloro-m-xylene	
4.930	685	414	0.604	0.02		
5.068	1558	1081	0.694	0.06		
5.102	2101	1277	0.608	0.08		
5.148	4027	2306	0.573	0.15	3 Aroclor 1242	BA
5.197	1770	907	0.512	0.06		
5.292	7181	5105	0.711	0.28		
5.367	5550	3787	0.682	0.21		
5.443	14429	9656	0.669	0.56		
5.547	17237	8058	0.467	0.67		
5.660	7664	5344	0.697	0.30		
5.723	12858	7609	0.592	0.50		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.800	710	535	0.754	0.02	
5.933	56258	28558	0.508	2.21	
5.982	26200	21251	0.811	1.03	3 Aroclor 1242
6.003	47986	29752	0.620	1.88	3 Aroclor 1242
6.055	10718	7374	0.688	0.42	
6.095	5881	4323	0.735	0.23	
6.132	6548	5163	0.788	0.25	
6.155	8031	5883	0.733	0.31	
6.190	8190	5403	0.660	0.32	3 Aroclor 1242
6.292	70434	57089	0.811	2.77	
6.317	90193	71289	0.790	3.54	
6.347	68735	50046	0.728	2.70	
6.495	96979	54079	0.558	3.81	
6.572	31023	24213	0.780	1.22	
6.607	24254	14573	0.601	0.95	
6.698	13201	7898	0.598	0.51	
6.745	6919	5510	0.796	0.27	
6.780	15288	10665	0.698	0.60	
6.815	40702	33159	0.815	1.60	3 Aroclor 1242
6.873	98355	41608	0.423	3.87	3 Aroclor 1242
6.980	25373	22058	0.869	0.99	
7.017	76254	55086	0.722	3.00	
7.052	67068	50101	0.747	2.63	
7.122	8844	6888	0.779	0.34	
7.170	10001	8860	0.886	0.39	
7.207	38052	25958	0.682	1.49	16 Aroclor 1254
7.237	112241	90183	0.803	4.41	16 Aroclor 1254
7.277	37528	30464	0.812	1.47	
7.333	75127	64837	0.863	2.95	16 Aroclor 1254
7.362	20285	17380	0.857	0.79	
7.412	14822	10890	0.735	0.58	
7.467	56481	34968	0.619	2.22	28 Aroclor 1260
7.538	73328	56591	0.772	2.88	16 Aroclor 1254
7.582	7149	5189	0.726	0.28	
7.622	14962	13070	0.874	0.58	
7.662	93424	59916	0.641	3.67	28 Aroclor 1260
7.747	52184	33640	0.645	2.05	16 Aroclor 1254
7.795	6848	5691	0.831	0.26	
7.830	7505	6435	0.857	0.29	
7.870	113394	79902	0.705	4.46	16 Aroclor 1254
7.943	43907	36116	0.823	1.72	28 Aroclor 1260
7.977	20439	13504	0.661	0.80	
8.045	4967	4163	0.838	0.19	
8.078	20462	14528	0.710	0.80	16 Aroclor 1254
8.122	19459	16252	0.835	0.76	28 Aroclor 1260
8.153	15772	12609	0.799	0.62	
8.188	8148	6198	0.761	0.32	
8.253	11156	7911	0.709	0.43	
8.292	12464	7636	0.613	0.49	
8.340	52154	43095	0.826	2.05	28 Aroclor 1260
8.370	5490	4805	0.875	0.21	
8.402	6498	4791	0.737	0.25	
8.567	40712	24754	0.608	1.60	
8.618	15303	8970	0.586	0.60	
8.777	1254	822	0.655	0.04	
8.830	1115	845	0.758	0.04	
8.867	6212	4347	0.700	0.24	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.908	1933	1301	0.673	0.07	
9.085	10038	7001	0.697	0.39	28 Aroclor 1260
9.138	2153	1192	0.554	0.08	
9.255	991	428	0.432	0.03	
9.317	565	403	0.714	0.02	
9.363	4030	2264	0.562	0.15	
9.565	232659	142631	0.613	9.65	\$ 42 Decachlorobiphenyl
9.753	894	435	0.487	0.03	
9.837	884	419	0.474	0.03	
9.975	1370	715	0.522	0.05	
10.115	690	227	0.329	0.02	
10.573	2372	936	0.395	0.09	
	2540837	1774048		100.000	

Total unknown % area = 42

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713112.d
Lab Smp Id: 40209774007 Client Smp ID: PAS-BS-342
Inj Date : 15-JUL-2020 00:16
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774007 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	9.382	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8					
4.746	4.726	0.020	226106	0.03892	83					
3 Aroclor 1242					CAS #: 53469-21-9					
5.148	5.123	0.025	4026	0.05168	110	0.00-	20.00	100.00 (M)	BA	
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA	
5.981	5.960	0.021	26199	0.19870	420	0.00-	20.00	650.75	BA	
6.003	5.982	0.021	47985	0.20852	440	0.00-	20.00	1191.88	BA	
6.190	6.169	0.021	8190	0.07854	170	0.00-	20.00	203.43	BA	
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA	
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA	
Average of Peak Concentrations =					290					

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	38052	0.33774	720	0.00-	20.00	100.00 (M)	BA
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
7.333	7.320	0.013	75126	0.20579	440	0.00-	20.00	197.43	BA
7.538	7.524	0.014	73328	0.26076	560	0.00-	20.00	192.70	BA
7.746	7.733	0.013	52183	0.23525	500	0.00-	20.00	137.14	BA
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
8.078	8.066	0.012	20462	0.19316	410	0.00-	20.00	53.77	BA
Average of Peak Concentrations =					520				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.121	8.108	0.013	19458	0.07524	160	0.00-	20.00	0.00	CO
8.340	8.325	0.015	52154	0.08523	180	0.00-	20.00	0.00	CO
8.866	8.850	0.016	6212	0.05823	120	0.00-	20.00	0.00	CO
9.085	9.068	0.017	10037	0.05166	110	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					140				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.565	9.546	0.019	232658	0.04023	86			(M)	BA

QC Flag Legend

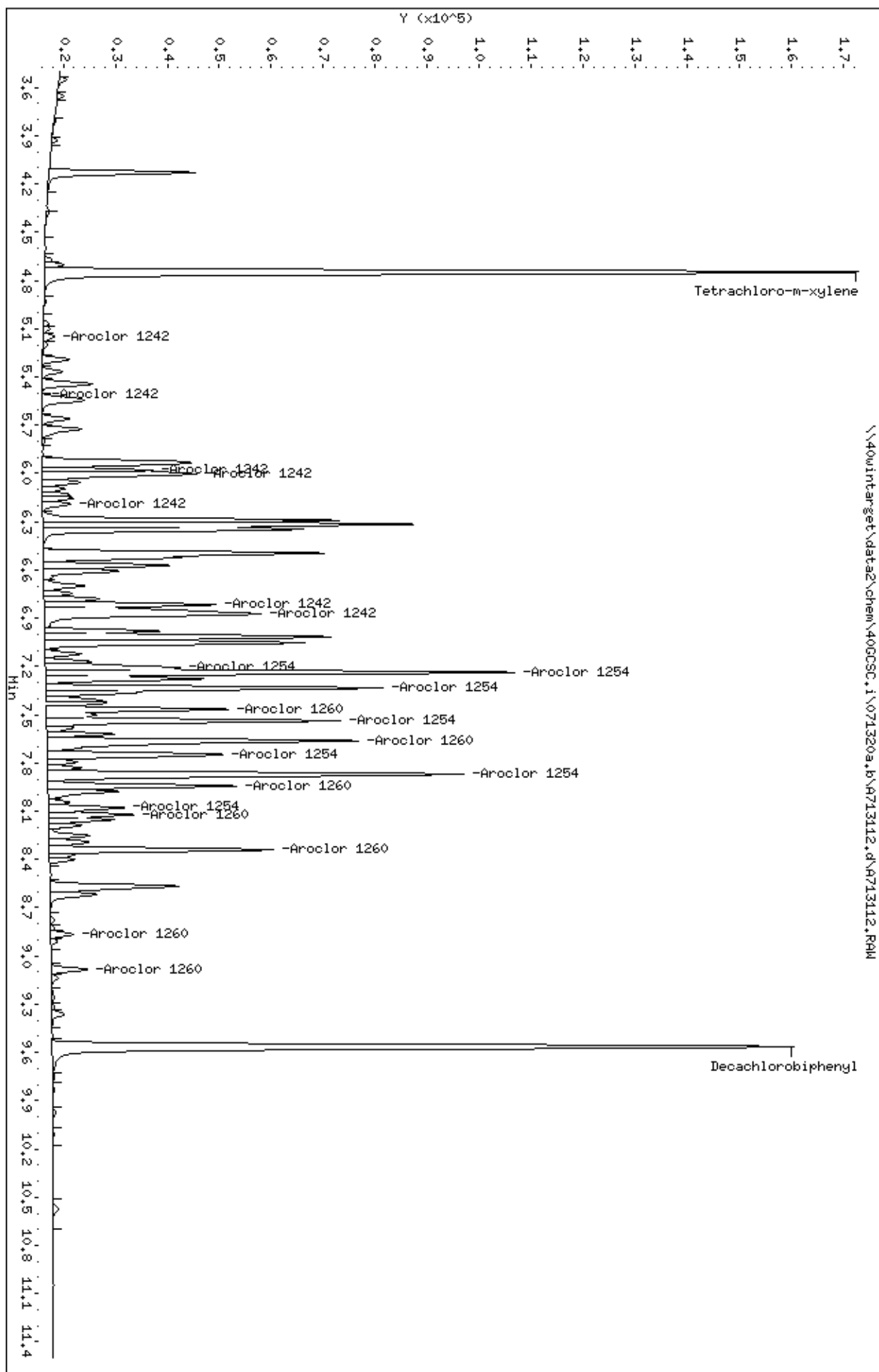
M - Compound response manually integrated.

Review Codes Legend

- :
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713112.d
Date : 15-JUL-2020 00:16
Client ID: PAS-B8-342
Sample Info: 40209774007 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

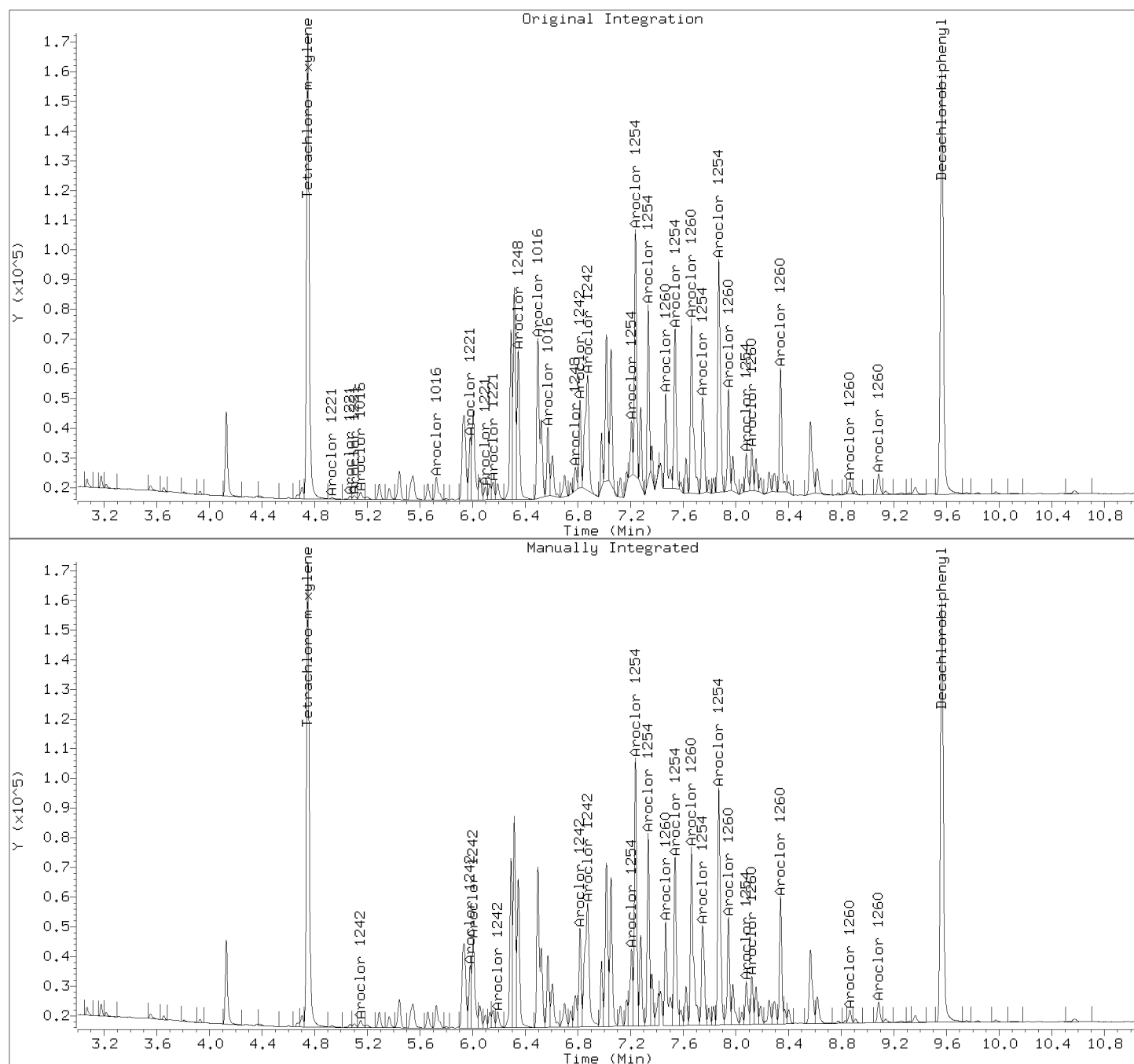
Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 40209774007



Manually Integrated Compounds

[illegible]

Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1232	672	0	
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1242	2047	4026	BA
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1248	25011	0	
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1254	20063	38052	BA
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Aroclor 1260	43060	0	CO
Tetrachloro-m-xylene	226106	226106	
Decachlorobiphenyl	233460	232658	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713112.d
Lab Smp Id: 40209774007 Client Smp ID: PAS-BS-342
Inj Date : 15-JUL-2020 00:16
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774007 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	9.382	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.273	493	248	0.503	0.02		
3.382	840	253	0.301	0.03		
3.443	1880	1947	1.036	0.08		
3.575	1944	1562	0.804	0.08		
3.688	1134	1146	1.011	0.05		
3.977	32893	32562	0.990	1.47		
4.115	893	466	0.522	0.04		
4.192	1123	980	0.873	0.05		
4.288	1143	893	0.781	0.05		
4.482	487	401	0.823	0.02		
4.682	206303	171136	0.830	9.24	\$ 2 Tetrachloro-m-xylene	
4.777	2275	2035	0.894	0.10		
4.800	5915	4036	0.682	0.26		
4.942	10410	6832	0.656	0.46		
5.027	2219	1494	0.673	0.09		
5.137	1986	1348	0.679	0.08		
5.205	4674	3277	0.701	0.20	3 Aroclor 1242	
5.300	7787	4569	0.587	0.34		
5.447	6789	5439	0.801	0.30		
5.620	6322	6035	0.955	0.28	3 Aroclor 1242	
5.638	9945	7937	0.798	0.44		
5.682	983	642	0.653	0.04		
5.735	7293	5923	0.812	0.32		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.795	505	483	0.956	0.02	
5.830	10278	8719	0.848	0.46	
5.865	2549	2021	0.793	0.11	
5.955	27063	23594	0.872	1.21	
5.983	28059	22170	0.790	1.25	
6.042	23630	22609	0.957	1.05	3 Aroclor 1242
6.062	43079	33184	0.770	1.93	
6.175	12639	6390	0.506	0.56	
6.225	4542	3961	0.872	0.20	
6.277	6809	5989	0.880	0.30	3 Aroclor 1242
6.308	6467	5648	0.873	0.28	
6.352	62027	56481	0.911	2.77	
6.393	77111	67329	0.873	3.45	
6.423	60261	49550	0.822	2.70	
6.488	1424	1005	0.706	0.06	
6.588	61622	54541	0.885	2.76	
6.625	31073	27808	0.895	1.39	
6.692	42004	32307	0.769	1.88	
6.815	14283	12324	0.863	0.63	
6.845	13391	11353	0.848	0.59	
6.893	27426	23980	0.874	1.22	3 Aroclor 1242
6.932	77071	64713	0.840	3.45	3 Aroclor 1242
6.993	18083	16937	0.937	0.81	
7.023	23728	21410	0.902	1.06	
7.072	49756	39880	0.802	2.22	
7.120	64336	56859	0.884	2.88	
7.153	26034	14200	0.545	1.16	
7.207	1901	1888	0.993	0.08	
7.248	8559	8076	0.944	0.38	
7.312	97574	77573	0.795	4.37	16 Aroclor 1254
7.338	36238	34298	0.946	1.62	
7.385	32104	30307	0.944	1.43	
7.425	88299	65091	0.737	3.95	16 Aroclor 1254
7.498	13052	7967	0.610	0.58	
7.562	54594	40680	0.745	2.44	16 Aroclor 1254
7.583	67085	60343	0.899	3.00	
7.658	14899	12931	0.868	0.66	
7.703	66239	57120	0.862	2.96	28 Aroclor 1260
7.837	60187	36338	0.604	2.69	16 Aroclor 1254
7.883	5781	5001	0.865	0.25	
7.917	6301	5516	0.875	0.28	
7.960	99560	65443	0.657	4.46	16 Aroclor 1254
8.017	34185	31531	0.922	1.53	28 Aroclor 1260
8.057	13177	11807	0.896	0.59	
8.120	2727	3056	1.121	0.12	
8.142	2487	2741	1.102	0.11	
8.172	2242	2337	1.042	0.10	
8.228	26977	15369	0.570	1.20	16 Aroclor 1254
8.283	9923	9686	0.976	0.44	
8.327	15592	10283	0.660	0.69	
8.402	45896	37640	0.820	2.05	28 Aroclor 1260
8.455	718	797	1.110	0.03	
8.517	928	865	0.932	0.04	
8.558	3896	3461	0.888	0.17	
8.638	733	587	0.801	0.03	
8.695	41300	17998	0.436	1.85	
8.888	1707	900	0.527	0.07	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.947	870	640	0.736	0.03	
9.060	5633	3746	0.665	0.25	28 Aroclor 1260
9.190	8497	5871	0.691	0.38	28 Aroclor 1260
9.332	1838	1292	0.703	0.08	
9.415	1916	1126	0.588	0.08	
9.532	3641	1498	0.411	0.16	
9.693	1801	699	0.388	0.08	
9.837	217552	131199	0.603	10.15	\$ 42 Decachlorobiphenyl
10.033	619	320	0.517	0.02	
10.440	1820	672	0.369	0.08	
11.417	1836	772	0.421	0.08	
	2231861	1752071		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713112.d
Lab Smp Id: 40209774007 Client Smp ID: PAS-BS-342
Inj Date : 15-JUL-2020 00:16
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774007 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
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Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
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Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
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Ws	9.382	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	206303	0.04154	88								
3 Aroclor 1242										CAS #: 53469-21-9			
5.205	5.179	0.026	4673	0.06297	130	0.00-	20.00	100.00					
5.620	5.597	0.023	6321	0.04570	97	0.00-	20.00	135.27					
6.041	6.021	0.020	23629	0.18067	380	0.00-	20.00	505.65					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.276	6.257	0.019	6808	0.07694	160	0.00-	20.00	145.69					
6.893	6.876	0.017	27425	0.24813	530	0.00-	20.00	586.88					
6.931	6.916	0.015	77071	0.58107	1200	0.00-	20.00	1649.28					
Average of Peak Concentrations =					420								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.311	7.322	-0.011	97574	0.52436	1100	0.00-	20.00	0.00	
7.425	7.409	0.016	88299	0.23247	500	0.00-	20.00	0.00	
7.561	7.568	-0.007	54593	0.20685	440	0.00-	20.00	0.00	
7.836	7.822	0.014	60187	0.36659	780	0.00-	20.00	0.00	
7.960	7.947	0.013	99560	0.30219	640	0.00-	20.00	0.00	
8.228	8.200	0.028	26977	0.28815	610	0.00-	20.00	0.00	
Average of Peak Concentrations =					680				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	54593	0.21820	460	0.00-	20.00	100.00	
7.703	7.688	0.015	66238	0.24714	530	0.00-	20.00	121.33	
8.016	8.002	0.014	34184	0.15095	320	0.00-	20.00	62.62	
8.228	8.214	0.014	26977	0.11401	240	0.00-	20.00	49.41	
8.401	8.384	0.017	45896	0.09711	210	0.00-	20.00	84.07	
9.060	9.040	0.020	5633	0.07375	160	0.00-	20.00	10.32	
9.190	9.171	0.019	8497	0.05587	120	0.00-	20.00	15.56	
Average of Peak Concentrations =					290				

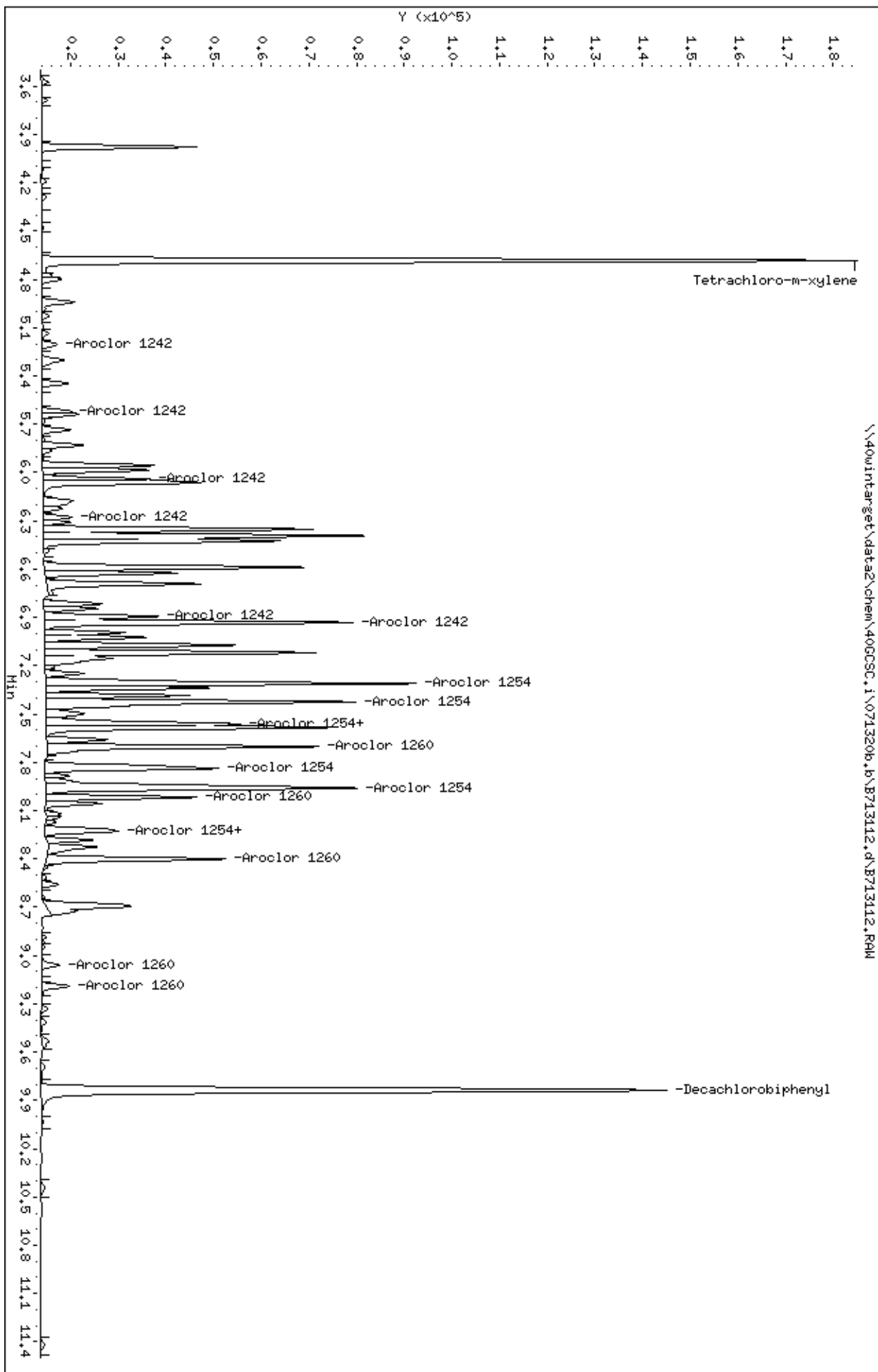
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.836	9.812	0.024	217551	0.04125	88				

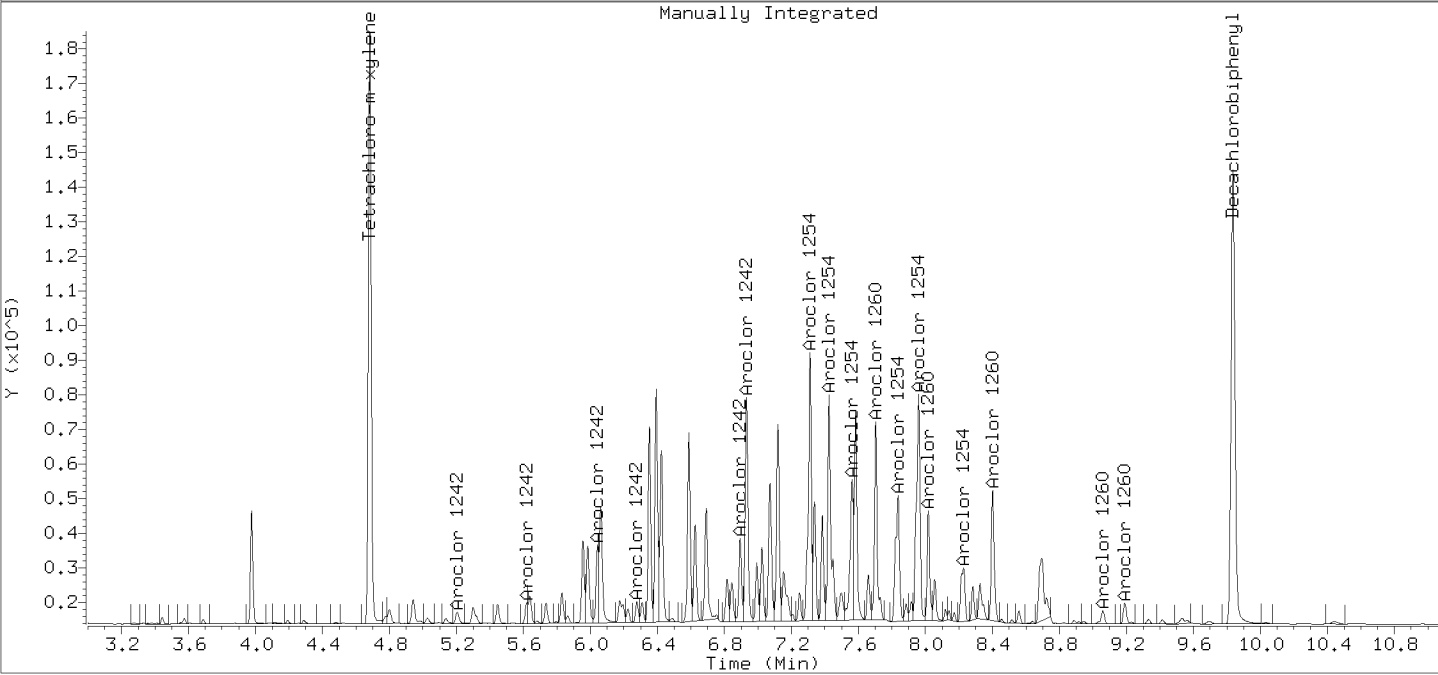
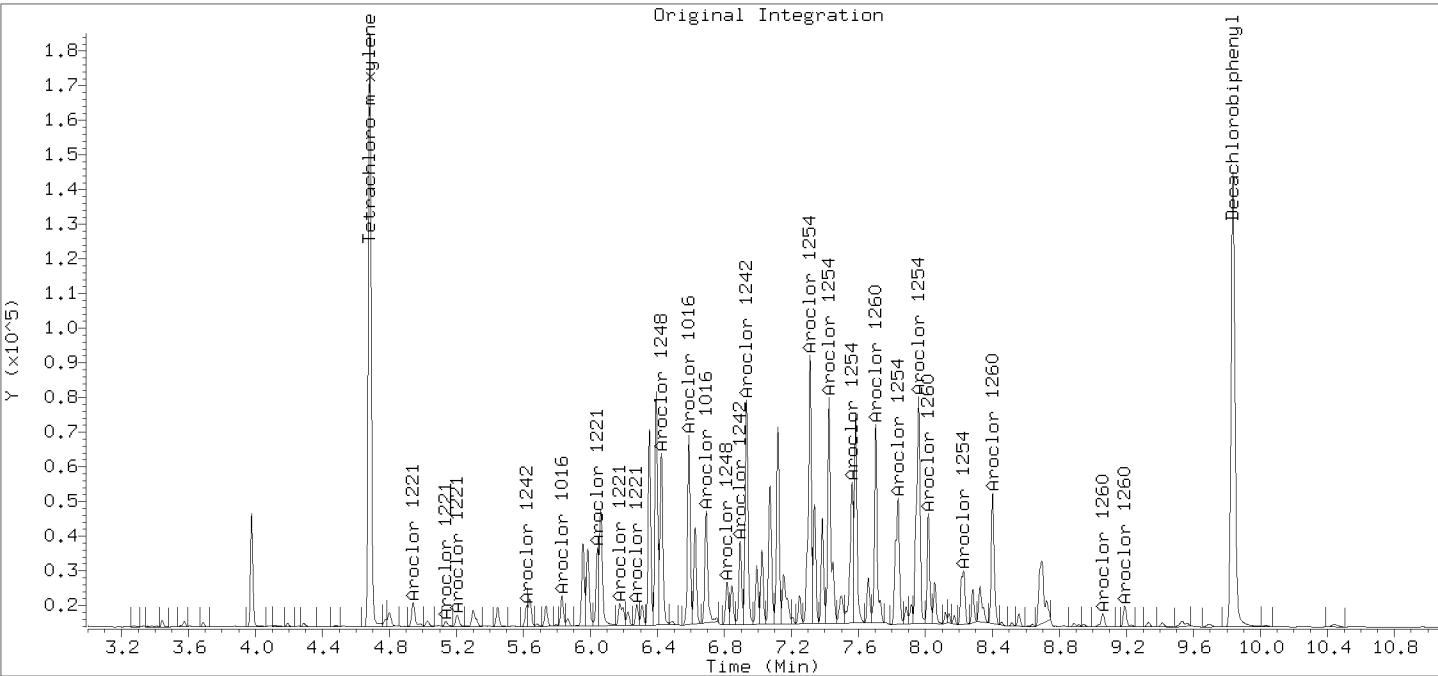
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713112.d
Date : 15-JUL-2020 00:16
Client ID: PAS-B8-342
Sample Info: 40209774007 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1016	4673	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	
Aroclor 1221	10409	0	

Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1232	10409	0
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1242	4673	4673
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1248	23629	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Aroclor 1260	54593	54593
Tetrachloro-m-xylene	206303	206303
Decachlorobiphenyl	217551	217551
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-343

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 00:38
Initial wt/vol: 10.4147 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774008
Lab File ID: 071320A.BIA713113.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	306	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	329	
11096-82-5	PCB-1260 (Aroclor 1260)	63.4	
1336-36-3	PCB, Total	698	

07/15/2020 1:44

Pace Analytical Services, Inc.

SW846 8082
Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713113.d
Lab Smp Id: 40209774008 Client Smp ID: PAS-BS-343
Inj Date : 15-JUL-2020 00:38
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774008
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.415	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.215	656	669	1.020	0.01		
3.243	1346	471	0.350	0.03		
3.530	1048	496	0.473	0.02		
4.063	765	264	0.345	0.01		
4.147	6234	3629	0.582	0.15		
4.300	864	452	0.523	0.02		
4.383	4597	2700	0.587	0.11		
4.668	8096	5804	0.717	0.20		
4.702	16071	11487	0.715	0.40		
4.747	467089	343131	0.735	12.20	\$ 2 Tetrachloro-m-xylene	
4.930	2616	1489	0.569	0.06		
5.067	3508	2567	0.732	0.08		
5.098	10872	6753	0.621	0.27		
5.147	18866	11133	0.590	0.47	3 Aroclor 1242	BA
5.197	6239	3154	0.505	0.15		
5.288	18314	12710	0.694	0.45		
5.365	33185	23547	0.710	0.82		
5.440	31363	19425	0.619	0.78		
5.543	36734	16681	0.454	0.91		
5.657	27141	18654	0.687	0.67		
5.723	39105	24174	0.618	0.97		
5.798	1300	877	0.675	0.03		
5.842	1438	1012	0.704	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.932	114878	59743	0.520	2.87	
5.978	56752	47778	0.842	1.41	3 Aroclor 1242
6.002	99476	69833	0.702	2.48	3 Aroclor 1242
6.053	17394	12163	0.699	0.43	
6.093	5546	4171	0.752	0.13	
6.128	25709	10607	0.413	0.64	
6.187	17513	11855	0.677	0.43	3 Aroclor 1242
6.288	123491	102039	0.826	3.08	
6.313	138739	109165	0.787	3.46	
6.345	104460	78301	0.750	2.61	
6.493	164173	90166	0.549	4.10	
6.570	61662	48598	0.788	1.54	
6.605	49898	34052	0.682	1.24	
6.697	27142	17867	0.658	0.67	
6.743	11684	9249	0.792	0.29	
6.778	23592	17021	0.721	0.58	
6.815	58672	48152	0.821	1.46	3 Aroclor 1242
6.850	48821	43874	0.899	1.22	3 Aroclor 1242
6.872	105745	62254	0.589	2.64	
6.978	32889	28094	0.854	0.82	
7.015	113837	76744	0.674	2.84	
7.052	80753	59901	0.742	2.01	
7.120	12666	8941	0.706	0.31	
7.170	15630	12732	0.815	0.39	
7.207	55383	36865	0.666	1.38	16 Aroclor 1254
7.235	171673	142197	0.828	4.29	16 Aroclor 1254
7.277	52662	44190	0.839	1.31	
7.333	136311	119310	0.875	3.40	16 Aroclor 1254
7.362	22197	18764	0.845	0.55	
7.427	39000	17960	0.461	0.97	
7.467	49039	40639	0.829	1.22	28 Aroclor 1260
7.500	17898	12022	0.672	0.44	
7.537	88695	70341	0.793	2.21	16 Aroclor 1254
7.582	8561	6072	0.709	0.21	
7.620	16105	13944	0.866	0.40	
7.662	105107	61903	0.589	2.62	28 Aroclor 1260
7.745	66625	44488	0.668	1.66	16 Aroclor 1254
7.795	7590	6450	0.850	0.18	
7.830	8497	7264	0.855	0.21	
7.870	122351	86873	0.710	3.05	16 Aroclor 1254
7.942	45370	37643	0.830	1.13	28 Aroclor 1260
7.977	18968	12667	0.668	0.47	
8.043	4418	3602	0.815	0.11	
8.078	24800	18590	0.750	0.62	16 Aroclor 1254
8.122	19148	15888	0.830	0.47	28 Aroclor 1260
8.152	15313	12495	0.816	0.38	
8.188	8426	6146	0.729	0.21	
8.252	12431	9095	0.732	0.31	
8.288	17445	10952	0.628	0.43	
8.338	48320	40647	0.841	1.20	28 Aroclor 1260
8.370	6092	5222	0.857	0.15	
8.400	6539	4727	0.723	0.16	
8.445	944	663	0.702	0.02	
8.495	632	382	0.605	0.01	
8.565	41482	24017	0.579	1.03	
8.618	14046	8257	0.588	0.35	
8.693	575	313	0.544	0.01	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.775	1979	1189	0.601	0.04	
8.830	1895	1025	0.541	0.04	
8.867	6228	4346	0.698	0.15	28 Aroclor 1260
8.908	2772	1998	0.721	0.06	
9.005	563	210	0.373	0.01	
9.083	10262	6915	0.674	0.25	28 Aroclor 1260
9.138	2685	1535	0.572	0.06	
9.218	589	357	0.606	0.01	
9.255	806	437	0.542	0.02	
9.317	776	493	0.635	0.01	
9.362	4679	2769	0.592	0.11	
9.563	451493	274575	0.608	11.29	\$ 42 Decachlorobiphenyl
9.750	1806	796	0.441	0.04	
9.835	2099	914	0.436	0.05	
9.975	2710	1439	0.531	0.06	
10.113	1287	468	0.364	0.03	
10.212	716	338	0.472	0.01	
10.572	4448	1851	0.416	0.11	
	3999005	2816822		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713113.d
Lab Smp Id: 40209774008 Client Smp ID: PAS-BS-343
Inj Date : 15-JUL-2020 00:38
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774008
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.415	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.746	4.726	0.020	467088	0.08040	77								
3 Aroclor 1242										CAS #: 53469-21-9			
5.146	5.123	0.023	18866	0.24215	230	0.00-	20.00	100.00 (M)	BA				
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA				
5.978	5.960	0.018	56751	0.43041	410	0.00-	20.00	300.81	BA				
6.001	5.982	0.019	99475	0.43228	420	0.00-	20.00	527.27	BA				
6.186	6.169	0.017	17512	0.16793	160	0.00-	20.00	92.82	BA				
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA				
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA				
Average of Peak Concentrations =					300								

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	55383	0.49156	470	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	136310	0.37339	360	0.00-	20.00	246.12	CO
7.536	7.524	0.012	88695	0.31541	300	0.00-	20.00	160.15	CO
7.745	7.733	0.012	66625	0.30036	290	0.00-	20.00	120.30	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	24800	0.23411	220	0.00-	20.00	44.78	CO
Average of Peak Concentrations =					330				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	BA
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
8.121	8.108	0.013	19147	0.07404	71	0.00-	20.00	0.00	BA
8.338	8.325	0.013	48319	0.07896	76	0.00-	20.00	0.00	BA
8.866	8.850	0.016	6227	0.05837	56	0.00-	20.00	0.00	BA
9.083	9.068	0.015	10262	0.05281	51	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					63				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	451493	0.07807	75				

QC Flag Legend

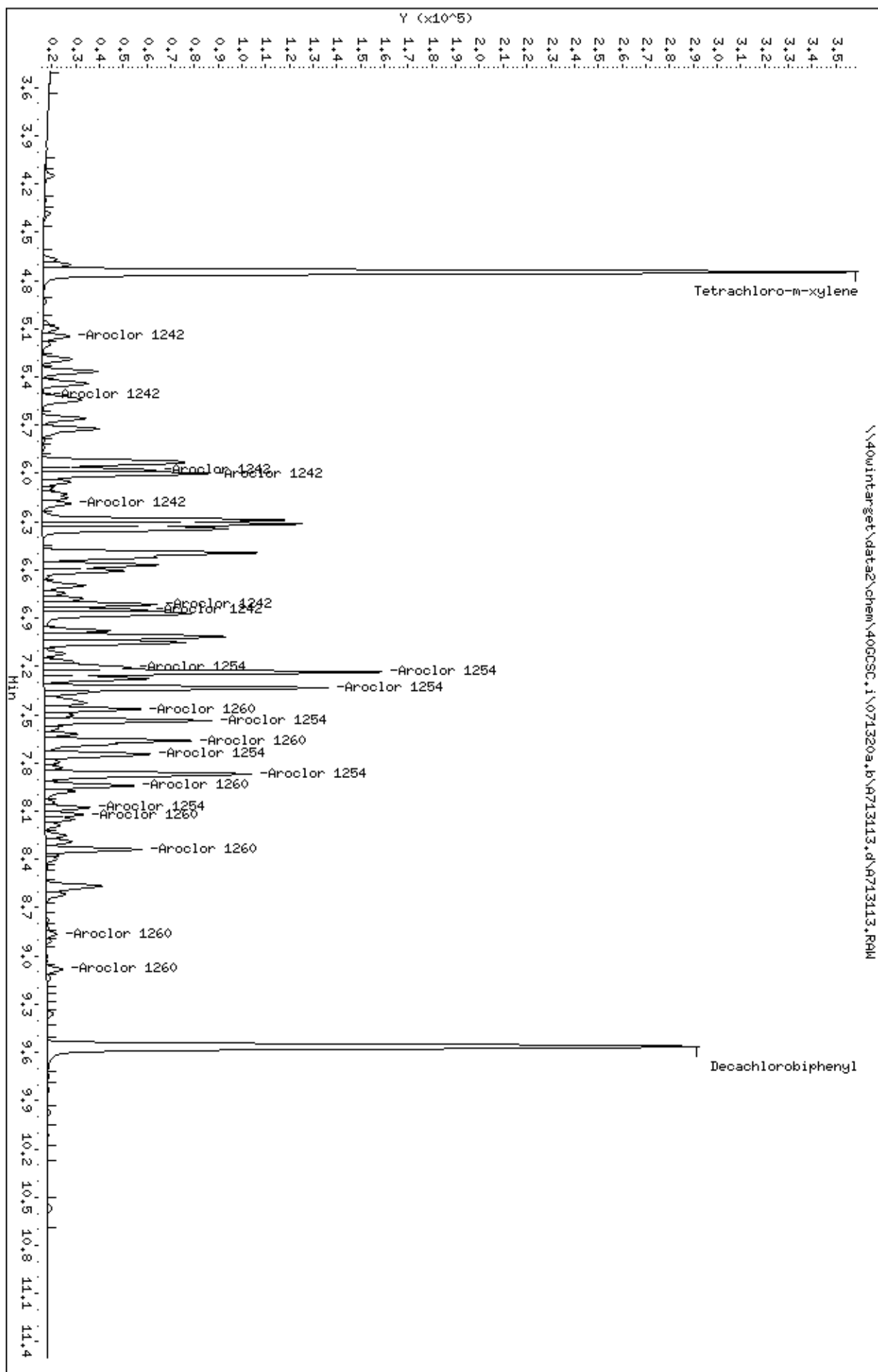
M - Compound response manually integrated.

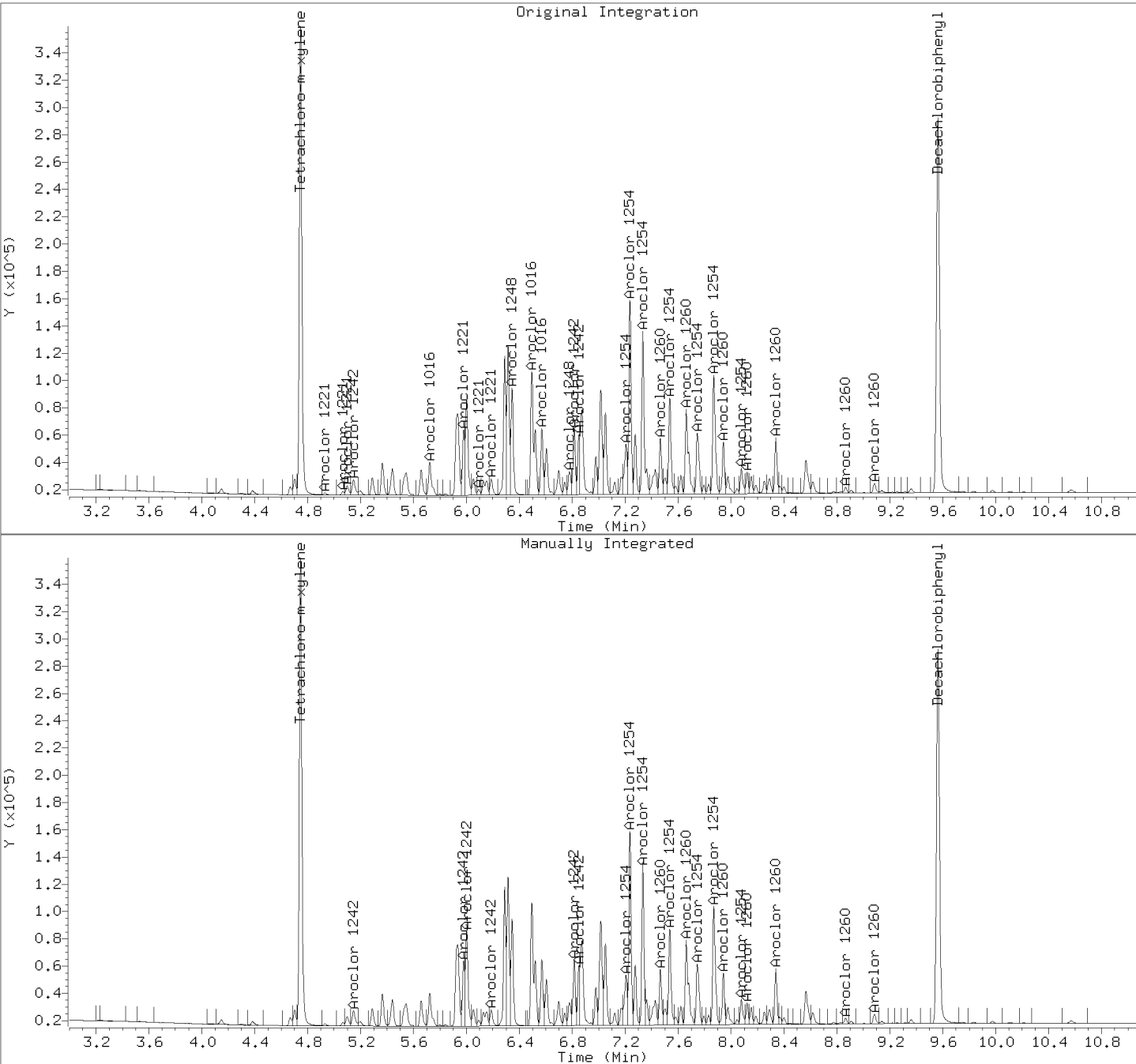
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713113.d
Date : 15-JUL-2020 00:38
Client ID: PAS-B8-343
Sample Info: 40209774008
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1016	18435	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	
Aroclor 1221	2600	0	

Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1232	2600	0	
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1242	18435	18866	BA
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1248	54361	0	
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1254	53877	55383	CO
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Aroclor 1260	48545	0	BA
Tetrachloro-m-xylene	467088	467088	
Decachlorobiphenyl	451493	451493	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713113.d
Lab Smp Id: 40209774008 Client Smp ID: PAS-BS-343
Inj Date : 15-JUL-2020 00:38
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774008
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.415	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	1067	712	0.667	0.02		
3.525	960	422	0.440	0.02		
3.573	1359	611	0.450	0.03		
3.640	439	137	0.312	0.01		
3.815	511	236	0.462	0.01		
3.977	1663	1183	0.712	0.04		
4.140	584	304	0.520	0.01		
4.192	4535	3731	0.823	0.12		
4.257	1029	716	0.696	0.02		
4.288	6193	3822	0.617	0.16		
4.445	809	457	0.565	0.02		
4.485	707	381	0.539	0.01		
4.518	1344	773	0.575	0.03		
4.563	602	341	0.566	0.01		
4.682	413742	349956	0.846	11.28	\$ 2 Tetrachloro-m-xylene	
4.745	2522	1926	0.764	0.06		
4.777	11531	9018	0.782	0.31		
4.798	17196	11661	0.678	0.46		
4.898	748	498	0.666	0.02		
4.940	18664	13049	0.699	0.50		
4.982	3573	2257	0.632	0.09		
5.027	7584	3949	0.521	0.20		
5.093	2176	1152	0.529	0.05		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.135	11249	7466	0.664	0.30	
5.202	24292	14657	0.603	0.66	3 Aroclor 1242
5.298	37165	24676	0.664	1.01	
5.377	1154	745	0.646	0.03	
5.445	17773	13191	0.742	0.48	
5.618	14861	13564	0.913	0.40	3 Aroclor 1242
5.637	19130	16085	0.841	0.52	
5.680	4412	3041	0.689	0.12	
5.733	24018	18834	0.784	0.65	
5.828	29967	26016	0.868	0.81	
5.863	7297	5354	0.734	0.19	
5.953	55716	48131	0.864	1.51	
5.982	55562	45890	0.826	1.51	
6.040	51543	50038	0.971	1.40	3 Aroclor 1242
6.060	90537	73495	0.812	2.46	
6.173	22669	11452	0.505	0.61	
6.222	4330	3592	0.830	0.11	
6.275	15203	13134	0.864	0.41	3 Aroclor 1242
6.307	12953	10757	0.830	0.35	
6.350	111288	100274	0.901	3.03	
6.392	124019	106341	0.857	3.38	
6.423	96878	80226	0.828	2.64	
6.485	5964	2728	0.457	0.16	
6.587	102648	91112	0.888	2.80	
6.623	57543	49524	0.861	1.56	
6.690	97203	70512	0.725	2.65	
6.815	30044	25087	0.835	0.81	
6.843	21498	18614	0.866	0.58	
6.893	47708	41087	0.861	1.30	3 Aroclor 1242
6.930	116096	96442	0.831	3.16	3 Aroclor 1242
6.992	24368	22176	0.910	0.66	
7.022	31867	28073	0.881	0.86	
7.070	73495	58996	0.803	2.00	
7.117	85154	71233	0.837	2.32	
7.153	39604	22000	0.555	1.08	
7.207	7262	5951	0.819	0.19	
7.247	13629	11338	0.832	0.37	
7.310	153740	122364	0.796	4.19	16 Aroclor 1254
7.337	46586	43973	0.944	1.27	
7.383	47266	43710	0.925	1.28	
7.423	149685	118653	0.793	4.08	16 Aroclor 1254
7.497	17418	9885	0.568	0.47	
7.562	69597	48966	0.704	1.89	16 Aroclor 1254
7.582	84313	74011	0.878	2.29	
7.658	18047	14200	0.787	0.49	
7.702	64151	57461	0.896	1.74	28 Aroclor 1260
7.730	18421	14988	0.814	0.50	
7.835	77452	48092	0.621	2.11	16 Aroclor 1254
7.883	8271	6393	0.773	0.22	
7.915	7991	6973	0.873	0.21	
7.958	110427	69219	0.627	3.01	16 Aroclor 1254
8.015	37629	33263	0.884	1.02	28 Aroclor 1260
8.055	15340	12031	0.784	0.41	
8.118	4567	4093	0.896	0.12	
8.140	3446	3300	0.958	0.09	
8.170	3247	2591	0.798	0.08	
8.215	31542	16598	0.526	0.86	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.282	12360	10380	0.840	0.33	
8.325	21154	12245	0.579	0.57	
8.400	48203	35269	0.732	1.31	28 Aroclor 1260
8.515	1416	993	0.701	0.03	
8.557	8404	7247	0.862	0.22	
8.640	1154	823	0.713	0.03	
8.693	35418	18518	0.523	0.96	
8.722	11594	6846	0.590	0.31	
8.825	743	594	0.800	0.02	
8.887	1043	895	0.858	0.02	
8.915	634	575	0.908	0.01	
8.945	1154	875	0.758	0.03	
9.058	5912	3715	0.628	0.16	28 Aroclor 1260
9.190	8888	6140	0.691	0.24	28 Aroclor 1260
9.330	2631	1919	0.729	0.07	
9.415	2117	1262	0.596	0.05	
9.532	3628	2184	0.602	0.09	
9.563	4072	1704	0.418	0.11	
9.692	1686	712	0.422	0.04	
9.835	429939	260490	0.606	12.29	\$ 42 Decachlorobiphenyl
10.033	749	353	0.472	0.02	
10.437	3287	1307	0.398	0.08	
10.562	605	162	0.268	0.01	
10.967	672	325	0.484	0.01	
11.417	3676	1487	0.404	0.10	
	3665913	2836908		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713113.d
Lab Smp Id: 40209774008 Client Smp ID: PAS-BS-343
Inj Date : 15-JUL-2020 00:38
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774008
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.415	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	413741	0.08332	80								
3 Aroclor 1242										CAS #: 53469-21-9			
5.201	5.179	0.022	24291	0.32731	310	0.00-	20.00	100.00					
5.618	5.597	0.021	14860	0.10744	100	0.00-	20.00	61.17					
6.040	6.021	0.019	51542	0.39410	380	0.00-	20.00	212.19					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.275	6.257	0.018	15203	0.17181	160	0.00-	20.00	62.59					
6.893	6.876	0.017	47708	0.43165	410	0.00-	20.00	196.40					
6.930	6.916	0.014	116095	0.87529	840	0.00-	20.00	477.93					
Average of Peak Concentrations =					370								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	153740	0.82619	790	0.00-	20.00	0.00	
7.423	7.409	0.014	149685	0.39408	380	0.00-	20.00	0.00	
7.561	7.568	-0.007	69596	0.26369	250	0.00-	20.00	0.00	
7.835	7.822	0.013	77451	0.47175	450	0.00-	20.00	0.00	
7.958	7.947	0.011	110427	0.33517	320	0.00-	20.00	0.00	
8.215	8.200	0.015	31541	0.33690	320	0.00-	20.00	0.00	
Average of Peak Concentrations =					420				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	69596	0.27817	270	0.00-	20.00	100.00	
7.701	7.688	0.013	64150	0.23935	230	0.00-	20.00	92.17	
8.015	8.002	0.013	37628	0.16616	160	0.00-	20.00	54.07	
8.215	8.214	0.001	31541	0.13330	130	0.00-	20.00	45.32	
8.400	8.384	0.016	48203	0.10199	98	0.00-	20.00	69.26	
9.058	9.040	0.018	5911	0.07739	74	0.00-	20.00	8.49	
9.190	9.171	0.019	8888	0.05844	56	0.00-	20.00	12.77	
Average of Peak Concentrations =					140				

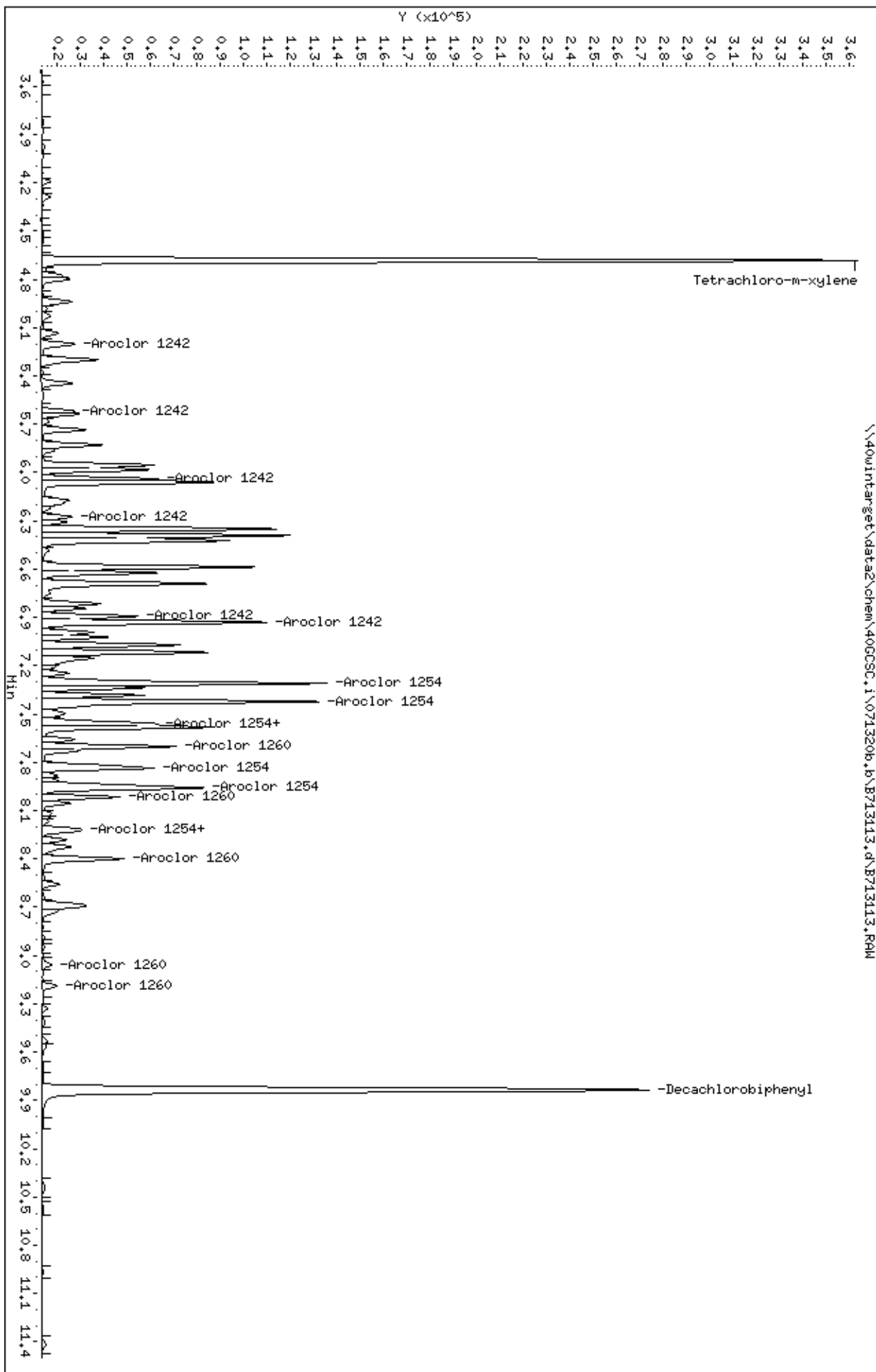
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	429938	0.08152	78				

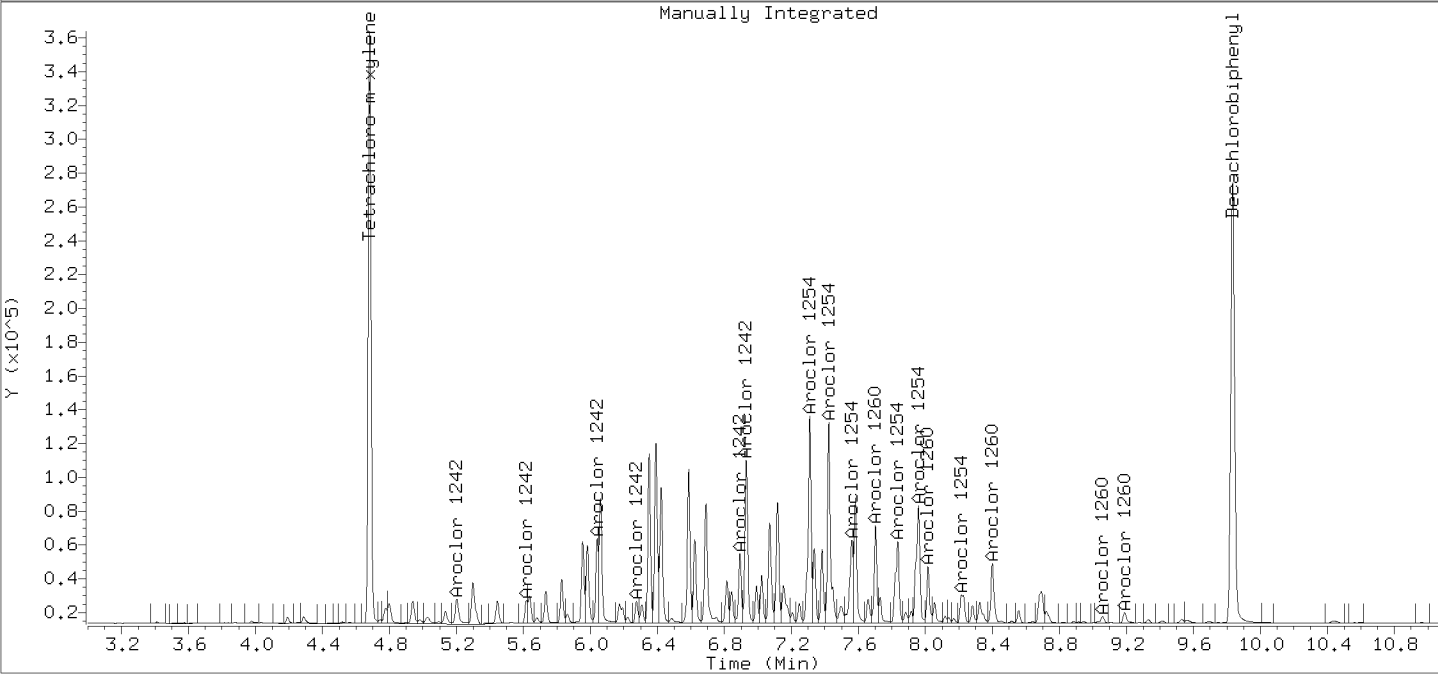
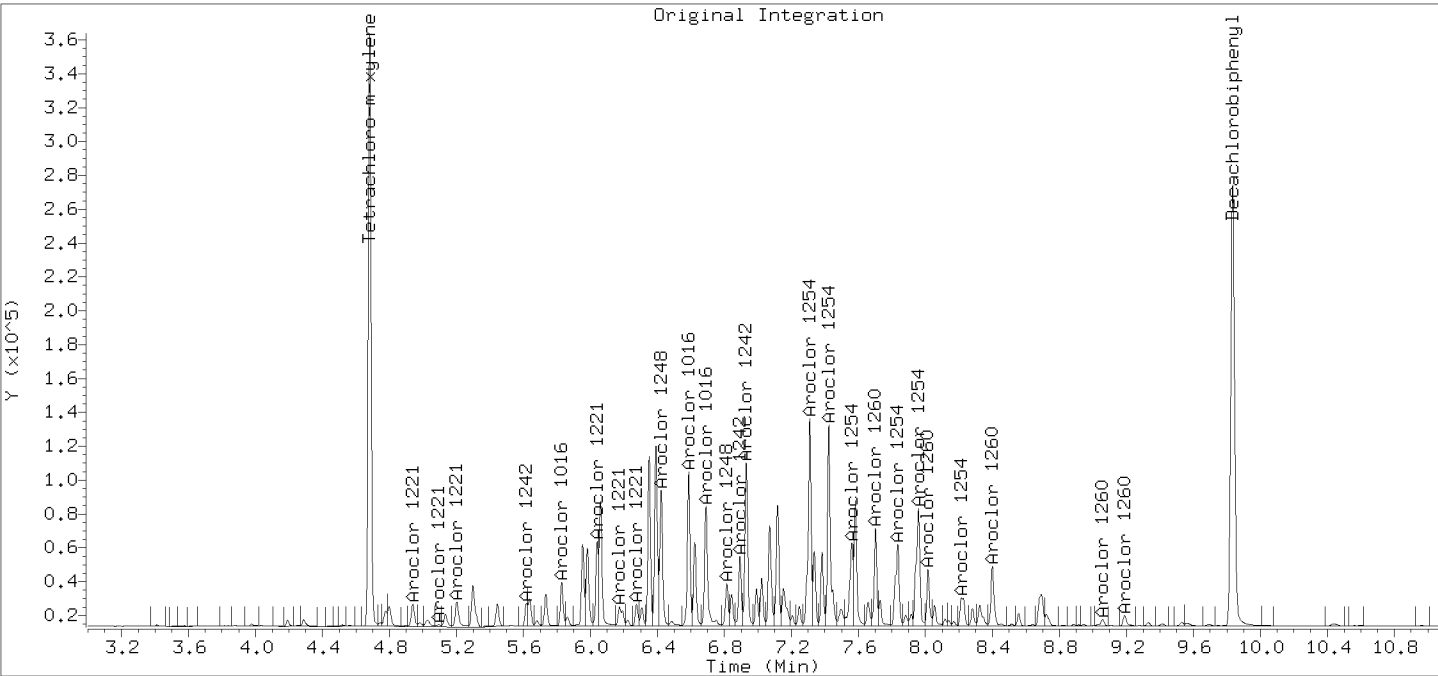
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713113.d
Date : 15-JUL-2020 00:38
Client ID: PAS-B8-343
Sample Info: 40209774008
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1016	24291	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	
Aroclor 1221	18663	0	

Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1232	18663	0
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1242	24291	24291
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1248	51542	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Aroclor 1260	69596	69596
Tetrachloro-m-xylene	413741	413741
Decachlorobiphenyl	429938	429938
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-344

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 01:00
Initial wt/vol: 6.5519 g Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774009
Lab File ID: 071320A.BIA713114.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	136	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	238	
11096-82-5	PCB-1260 (Aroclor 1260)	54.3	J
1336-36-3	PCB, Total	429	

07/15/2020 1:44

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713114.d
Lab Smp Id: 40209774009 Client Smp ID: PAS-BS-344
Inj Date : 15-JUL-2020 01:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774009
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	6.552	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	1945	1512	0.777	0.08		
3.178	1904	1935	1.016	0.08		
3.242	734	427	0.582	0.03		
3.552	1035	892	0.862	0.04		
3.653	785	698	0.890	0.03		
3.928	702	570	0.812	0.03		
4.060	645	222	0.344	0.02		
4.128	22444	17101	0.762	1.01		
4.382	2505	1333	0.532	0.11		
4.702	7281	3263	0.448	0.32		
4.747	464561	338633	0.729	21.46	\$ 2 Tetrachloro-m-xylene	
4.930	979	447	0.457	0.04		
5.067	3358	2409	0.717	0.15		
5.100	2969	1775	0.598	0.13		
5.147	4486	2587	0.577	0.20	3 Aroclor 1242	BA
5.197	4404	1826	0.415	0.19		
5.290	4464	3038	0.681	0.20		
5.365	12779	7928	0.620	0.57		
5.442	26539	17693	0.667	1.19		
5.543	9864	3914	0.397	0.44		
5.658	6776	4210	0.621	0.30		
5.723	10429	6060	0.581	0.46		
5.798	626	371	0.592	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.842	668	340	0.509	0.03	
5.932	31127	15409	0.495	1.40	
5.980	15131	12898	0.852	0.68	3 Aroclor 1242
6.002	30174	18863	0.625	1.35	3 Aroclor 1242
6.053	4996	3256	0.652	0.22	
6.093	1437	1008	0.701	0.06	
6.130	4224	3288	0.778	0.19	
6.153	4538	3426	0.755	0.20	
6.188	5583	3591	0.643	0.25	3 Aroclor 1242
6.290	43198	34856	0.807	1.94	
6.315	51362	39376	0.767	2.31	
6.347	38262	27413	0.716	1.72	
6.495	56957	30096	0.528	2.56	
6.572	23125	17443	0.754	1.04	
6.607	16394	10441	0.637	0.73	
6.698	8600	5774	0.671	0.38	
6.745	3486	2827	0.811	0.15	
6.780	8802	6243	0.709	0.39	
6.815	22710	18655	0.821	1.02	3 Aroclor 1242
6.873	64261	26331	0.410	2.89	3 Aroclor 1242
6.978	13244	11311	0.854	0.59	
7.017	48621	34546	0.711	2.19	
7.052	37883	27418	0.724	1.70	
7.122	4549	3330	0.732	0.20	
7.172	4660	4710	1.011	0.20	
7.207	24274	15680	0.646	1.09	16 Aroclor 1254
7.237	80128	65481	0.817	3.61	16 Aroclor 1254
7.277	23589	19813	0.840	1.06	
7.333	59169	49288	0.833	2.66	16 Aroclor 1254
7.362	9279	8128	0.876	0.41	
7.428	15975	7368	0.461	0.71	
7.467	22705	18388	0.810	1.02	28 Aroclor 1260
7.502	7693	5299	0.689	0.34	
7.537	42991	32991	0.767	1.93	16 Aroclor 1254
7.582	3991	2916	0.731	0.17	
7.622	7740	6834	0.883	0.34	
7.662	52421	32150	0.613	2.36	28 Aroclor 1260
7.745	31001	19448	0.627	1.39	16 Aroclor 1254
7.795	3702	3050	0.824	0.16	
7.830	3837	3339	0.870	0.17	
7.870	58557	42134	0.720	2.63	16 Aroclor 1254
7.942	20528	16796	0.818	0.92	28 Aroclor 1260
7.977	8642	5893	0.682	0.38	
8.045	2147	1777	0.828	0.09	
8.078	11618	8258	0.711	0.52	16 Aroclor 1254
8.120	9915	8019	0.809	0.44	28 Aroclor 1260
8.153	7134	5709	0.800	0.32	
8.188	3635	2787	0.767	0.16	
8.252	5947	4267	0.718	0.26	
8.288	9929	6338	0.638	0.44	
8.338	25968	21448	0.826	1.16	28 Aroclor 1260
8.370	3241	2710	0.836	0.14	
8.402	2614	1841	0.704	0.11	
8.447	371	238	0.641	0.01	
8.497	213	135	0.635	0.00	
8.565	20996	12142	0.578	0.94	
8.617	7267	4265	0.587	0.32	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.688	513	264	0.515	0.02	
8.777	1064	657	0.617	0.04	
8.828	873	514	0.589	0.03	
8.865	3244	2240	0.691	0.14	28 Aroclor 1260
8.908	1426	1004	0.704	0.06	
9.005	251	117	0.465	0.01	
9.083	6042	3932	0.651	0.27	28 Aroclor 1260
9.138	1395	726	0.520	0.06	
9.220	271	168	0.619	0.01	
9.255	360	196	0.545	0.01	
9.315	297	188	0.633	0.01	
9.362	2378	1459	0.614	0.10	
9.458	96	32	0.332	0.00	
9.563	462295	279806	0.605	20.82	\$ 42 Decachlorobiphenyl
9.752	1011	448	0.443	0.04	
9.835	2495	928	0.372	0.11	
9.975	3768	1647	0.437	0.16	
10.112	2348	593	0.253	0.10	
10.212	813	265	0.326	0.03	
10.303	742	211	0.284	0.03	
10.572	4481	1879	0.419	0.20	
	2219583	1513897		100.000	

Total unknown % area = 31

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713114.d
Lab Smp Id: 40209774009 Client Smp ID: PAS-BS-344
Inj Date : 15-JUL-2020 01:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774009
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	6.552	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
----	-----	-----	-----	-----	-----	-----	-----	-----	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8	
4.746	4.726	0.020	464560	0.07997	120						
3 Aroclor 1242										CAS #: 53469-21-9	
5.146	5.123	0.023	4485	0.05757	88	0.00-	20.00	100.00 (M)	BA		
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
5.980	5.960	0.020	15130	0.11475	180	0.00-	20.00	337.35	BA		
6.001	5.982	0.019	30173	0.13112	200	0.00-	20.00	672.75	BA		
6.188	6.169	0.019	5583	0.05354	82	0.00-	20.00	124.48	BA		
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
Average of Peak Concentrations =					140						

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(	)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	24274	0.21545	330	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	59169	0.16208	250	0.00-	20.00	243.75	CO
7.536	7.524	0.012	42991	0.15288	230	0.00-	20.00	177.11	CO
7.745	7.733	0.012	31000	0.13975	210	0.00-	20.00	127.71	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	11617	0.10966	170	0.00-	20.00	47.86	CO
Average of Peak Concentrations =					240				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	9915	0.03834	58	0.00-	20.00	0.00	CO
8.338	8.325	0.013	25967	0.04243	65	0.00-	20.00	0.00	CO
8.865	8.850	0.015	3243	0.03040	46	0.00-	20.00	0.00	CO
9.083	9.068	0.015	6042	0.03110	47	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					54				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	462295	0.07994	120			(M)	BA

QC Flag Legend

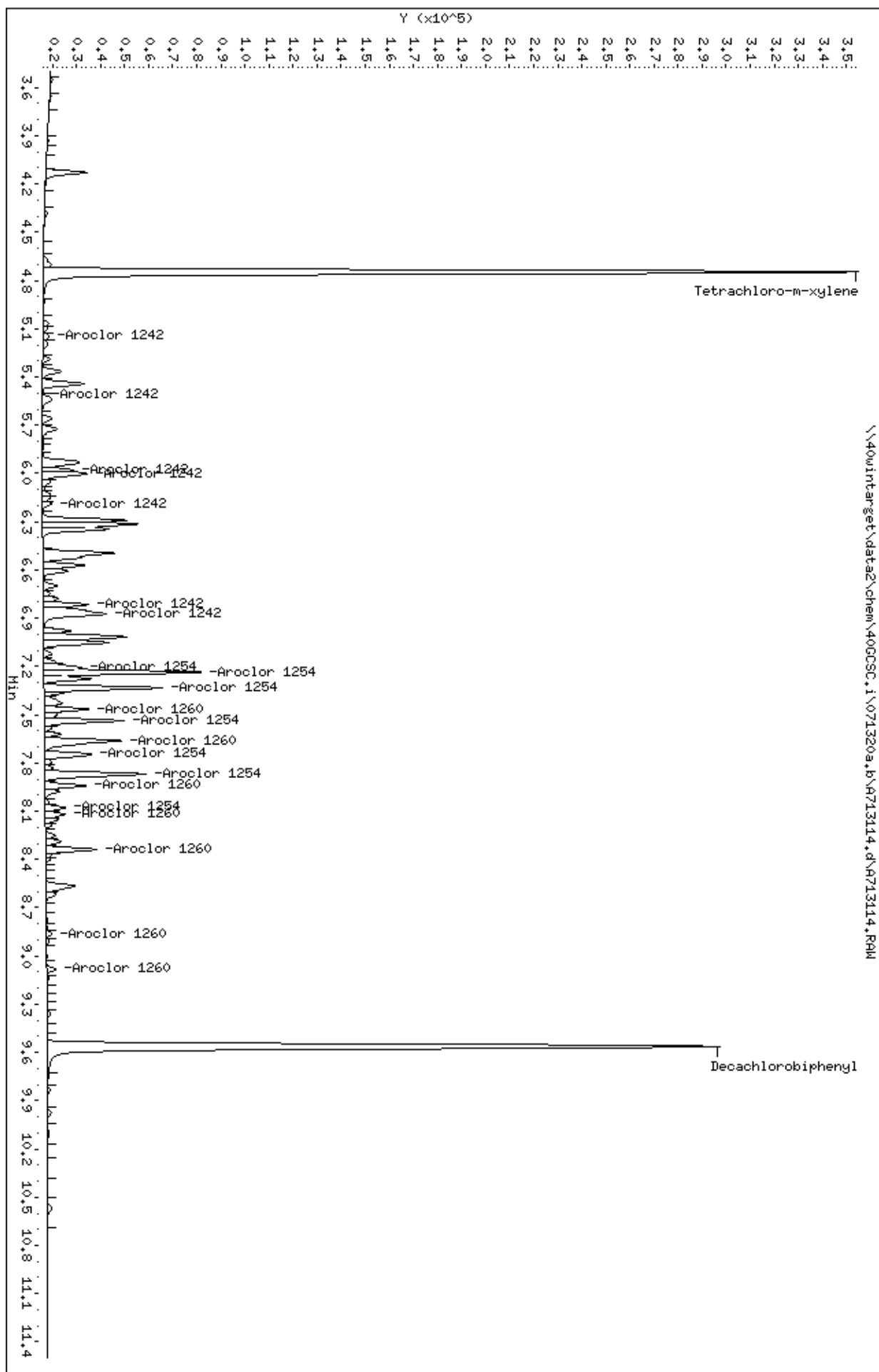
M - Compound response manually integrated.

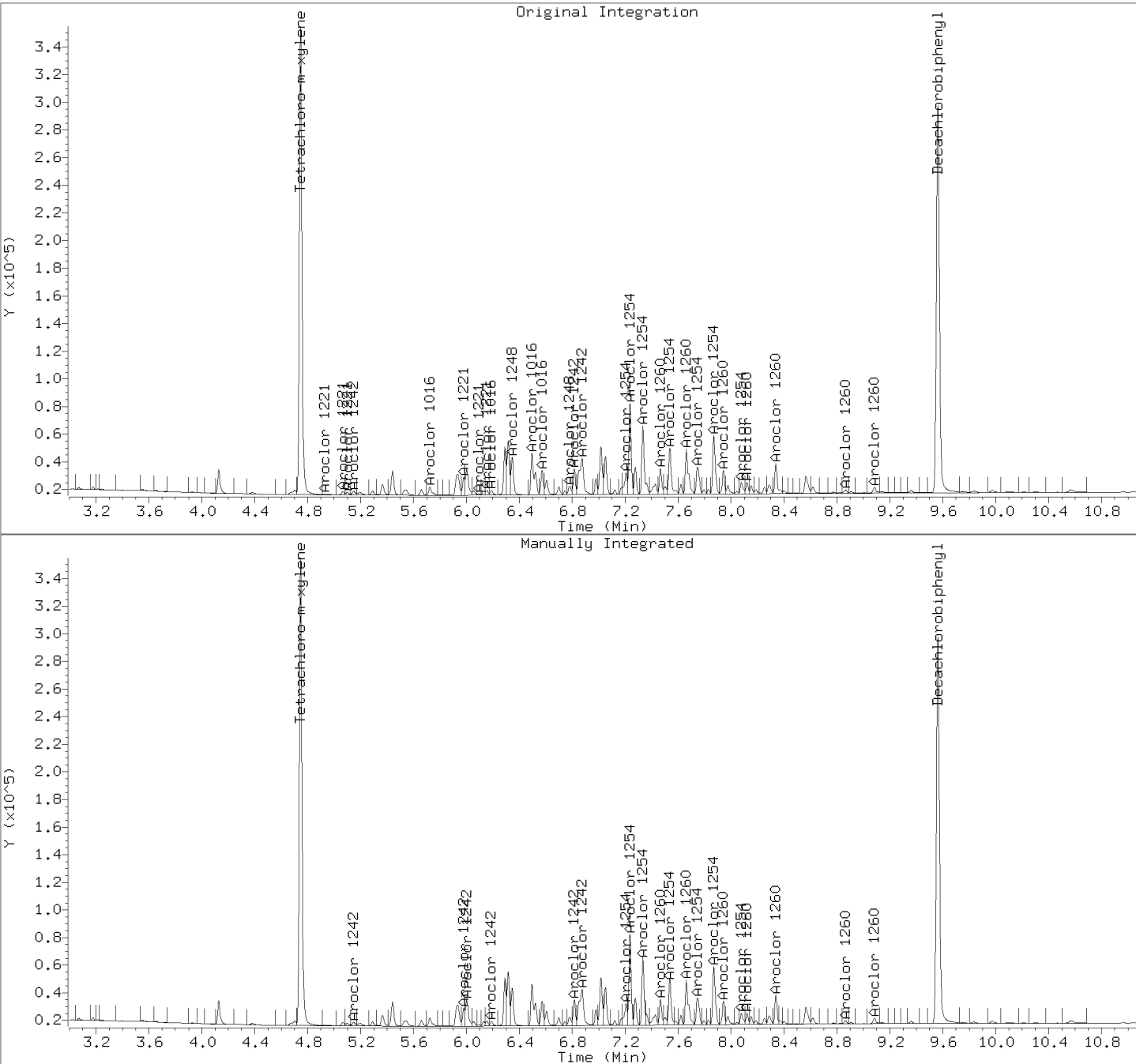
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713114.d
Date : 15-JUL-2020 01:00
Client ID: PAS-B8-344
Sample Info: 40209774009
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1016	4250	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	
Aroclor 1221	952	0	

Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1232	952	0	
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1242	4250	4485	BA
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1248	14375	0	
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1254	23642	24274	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Aroclor 1260	22608	0	CO
Tetrachloro-m-xylene	464560	464560	
Decachlorobiphenyl	466966	462295	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713114.d
Lab Smp Id: 40209774009 Client Smp ID: PAS-BS-344
Inj Date : 15-JUL-2020 01:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774009
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	6.552	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	451	400	0.887	0.02		
3.443	1804	1444	0.800	0.08		
3.575	2628	1105	0.421	0.12		
3.688	595	607	1.021	0.02		
3.877	503	419	0.833	0.02		
3.977	19476	19167	0.984	0.92		
4.117	920	280	0.305	0.04		
4.192	1649	1329	0.806	0.07		
4.288	2265	1761	0.778	0.10		
4.447	524	294	0.561	0.02		
4.482	817	505	0.618	0.03		
4.520	1542	754	0.489	0.07		
4.682	420461	351760	0.837	20.07	\$ 2 Tetrachloro-m-xylene	
4.745	2525	1780	0.705	0.12		
4.778	3318	2597	0.783	0.15		
4.800	4804	3485	0.725	0.22		
4.907	734	432	0.588	0.03		
4.940	19879	12435	0.626	0.94		
5.025	6590	3515	0.533	0.31		
5.093	2187	1122	0.513	0.10		
5.135	4801	2321	0.483	0.22		
5.205	10433	4757	0.456	0.49	3 Aroclor 1242	
5.298	14776	9306	0.630	0.70		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.378	1197	707	0.591	0.05	
5.445	5696	3580	0.629	0.27	
5.618	9398	3928	0.418	0.44	3 Aroclor 1242
5.682	1551	846	0.545	0.07	
5.735	6529	4721	0.723	0.31	
5.795	1008	681	0.676	0.04	
5.830	8188	6779	0.828	0.39	
5.863	2534	1664	0.657	0.12	
5.923	1768	899	0.509	0.08	
5.955	15854	13516	0.853	0.75	
5.983	15773	12471	0.791	0.75	
6.042	14055	14075	1.001	0.67	3 Aroclor 1242
6.062	29964	21464	0.716	1.43	
6.175	7124	3129	0.439	0.34	
6.225	1426	956	0.671	0.06	
6.277	5310	4342	0.818	0.25	3 Aroclor 1242
6.308	4378	3587	0.819	0.20	
6.352	40534	36186	0.893	1.93	
6.392	45692	39703	0.869	2.18	
6.423	36942	29030	0.786	1.76	
6.487	4342	1864	0.429	0.20	
6.588	37335	31767	0.851	1.78	
6.625	21509	17714	0.824	1.02	
6.692	35351	25216	0.713	1.68	
6.815	11269	8752	0.777	0.53	
6.845	9019	7353	0.815	0.43	
6.893	21245	17482	0.823	1.01	3 Aroclor 1242
6.932	49612	40627	0.819	2.36	3 Aroclor 1242
6.993	11295	9949	0.881	0.53	
7.023	13808	11894	0.861	0.65	
7.072	35343	28014	0.793	1.68	
7.118	38629	32597	0.844	1.84	
7.153	17066	8962	0.525	0.81	
7.207	3259	2562	0.786	0.15	
7.248	5914	4681	0.791	0.28	
7.312	74479	60911	0.818	3.55	16 Aroclor 1254
7.338	21964	19896	0.906	1.04	
7.383	21916	19403	0.885	1.04	
7.423	66610	50532	0.759	3.17	16 Aroclor 1254
7.498	8242	4385	0.532	0.39	
7.562	31155	22906	0.735	1.48	16 Aroclor 1254
7.582	42771	34341	0.803	2.04	
7.660	9046	7095	0.784	0.43	
7.703	33799	31085	0.920	1.61	28 Aroclor 1260
7.730	10181	7808	0.767	0.48	
7.837	37004	21929	0.593	1.76	16 Aroclor 1254
7.883	4354	3346	0.769	0.20	
7.917	3912	3371	0.862	0.18	
7.960	53808	34320	0.638	2.56	16 Aroclor 1254
8.017	17579	15106	0.859	0.83	28 Aroclor 1260
8.055	7601	5909	0.777	0.36	
8.118	2469	2261	0.916	0.11	
8.140	1887	1700	0.901	0.09	
8.170	1383	1067	0.772	0.06	
8.215	15472	7772	0.502	0.73	16 Aroclor 1254
8.282	5978	4860	0.813	0.28	
8.327	10200	5869	0.575	0.48	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.402	25682	18541	0.722	1.22	28 Aroclor 1260
8.515	699	501	0.716	0.03	
8.558	5268	4578	0.869	0.25	
8.695	18181	9726	0.535	0.86	
8.723	5701	3584	0.629	0.27	
8.887	817	507	0.621	0.03	
8.947	657	502	0.764	0.03	
9.042	614	475	0.774	0.02	28 Aroclor 1260
9.060	2631	1792	0.681	0.12	
9.192	5270	3378	0.641	0.25	28 Aroclor 1260
9.332	1399	1025	0.732	0.06	
9.415	897	521	0.581	0.04	
9.532	1960	1219	0.622	0.09	
9.563	2948	1626	0.552	0.14	
9.695	747	309	0.413	0.03	
9.835	438499	259445	0.592	21.45	\$ 42 Decachlorobiphenyl
10.437	2891	1286	0.445	0.13	
10.600	672	364	0.542	0.03	
11.417	3804	1551	0.408	0.18	
	2094743	1550075		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713114.d
Lab Smp Id: 40209774009 Client Smp ID: PAS-BS-344
Inj Date : 15-JUL-2020 01:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774009
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	6.552	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.681	4.660	0.021	420460	0.08467	130				
3 Aroclor 1242					CAS #: 53469-21-9				
5.205	5.179	0.026	10432	0.14057	210	0.00-	20.00	100.00	
5.618	5.597	0.021	9397	0.06794	100	0.00-	20.00	90.08	
6.041	6.021	0.020	14054	0.10746	160	0.00-	20.00	134.72	
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00	
6.276	6.257	0.019	5310	0.06001	92	0.00-	20.00	50.90	
6.893	6.876	0.017	21245	0.19222	290	0.00-	20.00	203.65	
6.931	6.916	0.015	49612	0.37405	570	0.00-	20.00	475.58	
Average of Peak Concentrations =					240				

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.311	7.322	-0.011	74479	0.40024	610	0.00-	20.00	0.00	
7.423	7.409	0.014	66610	0.17537	270	0.00-	20.00	0.00	
7.561	7.568	-0.007	31155	0.11804	180	0.00-	20.00	0.00	
7.836	7.822	0.014	37003	0.22538	340	0.00-	20.00	0.00	
7.960	7.947	0.013	53808	0.16332	250	0.00-	20.00	0.00	
8.215	8.200	0.015	15471	0.16525	250	0.00-	20.00	0.00	
Average of Peak Concentrations =					320				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	31155	0.12452	190	0.00-	20.00	100.00	
7.703	7.688	0.015	33799	0.12611	190	0.00-	20.00	108.49	
8.016	8.002	0.014	17578	0.07762	120	0.00-	20.00	56.42	
8.215	8.214	0.001	15471	0.06538	100	0.00-	20.00	49.66	
8.401	8.384	0.017	25682	0.05434	83	0.00-	20.00	82.43	
9.041	9.040	0.001	613	0.00803	12	0.00-	20.00	1.97	
9.191	9.171	0.020	5269	0.03464	53	0.00-	20.00	16.91	
Average of Peak Concentrations =					110				

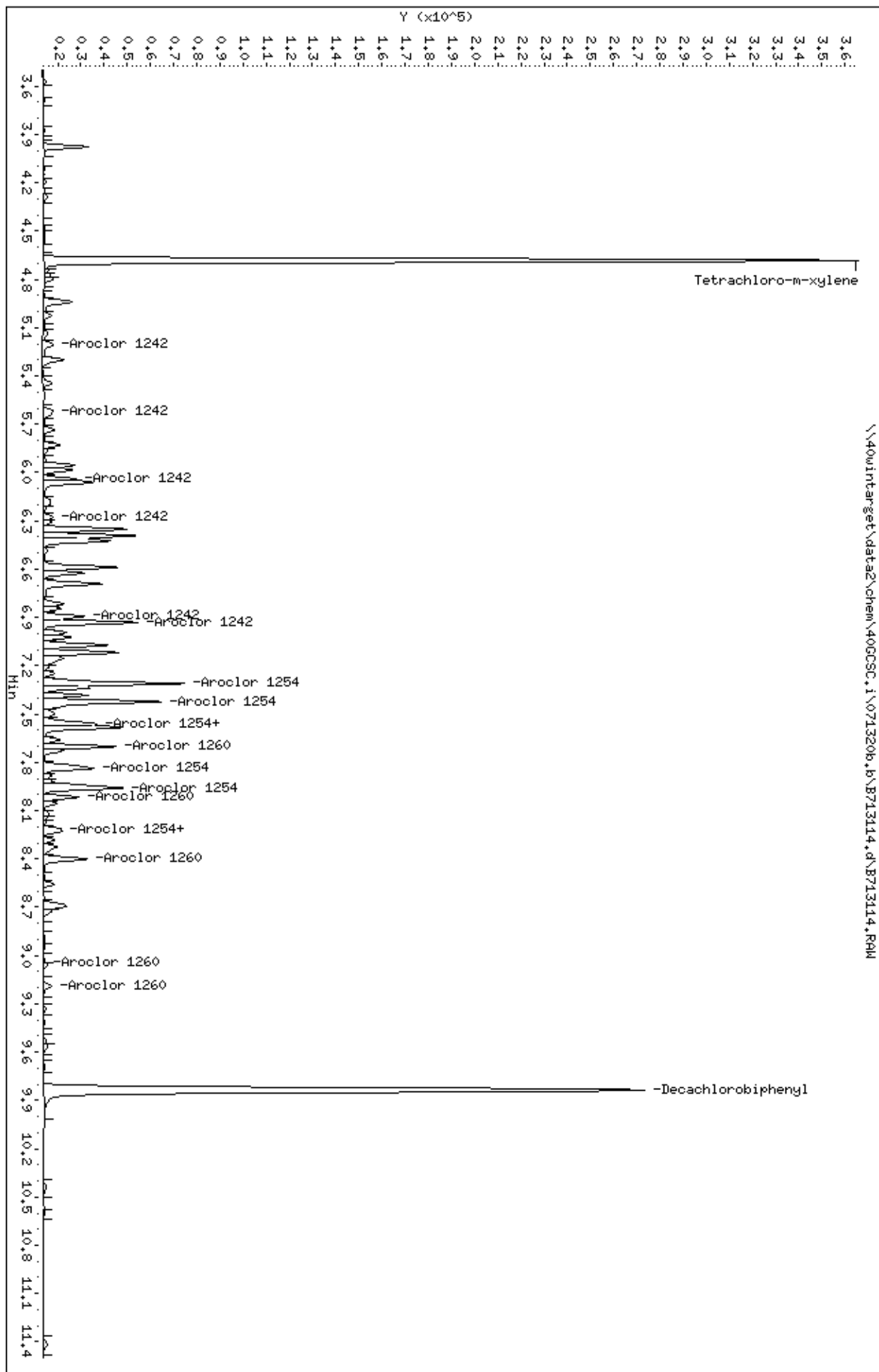
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	438499	0.08314	130				

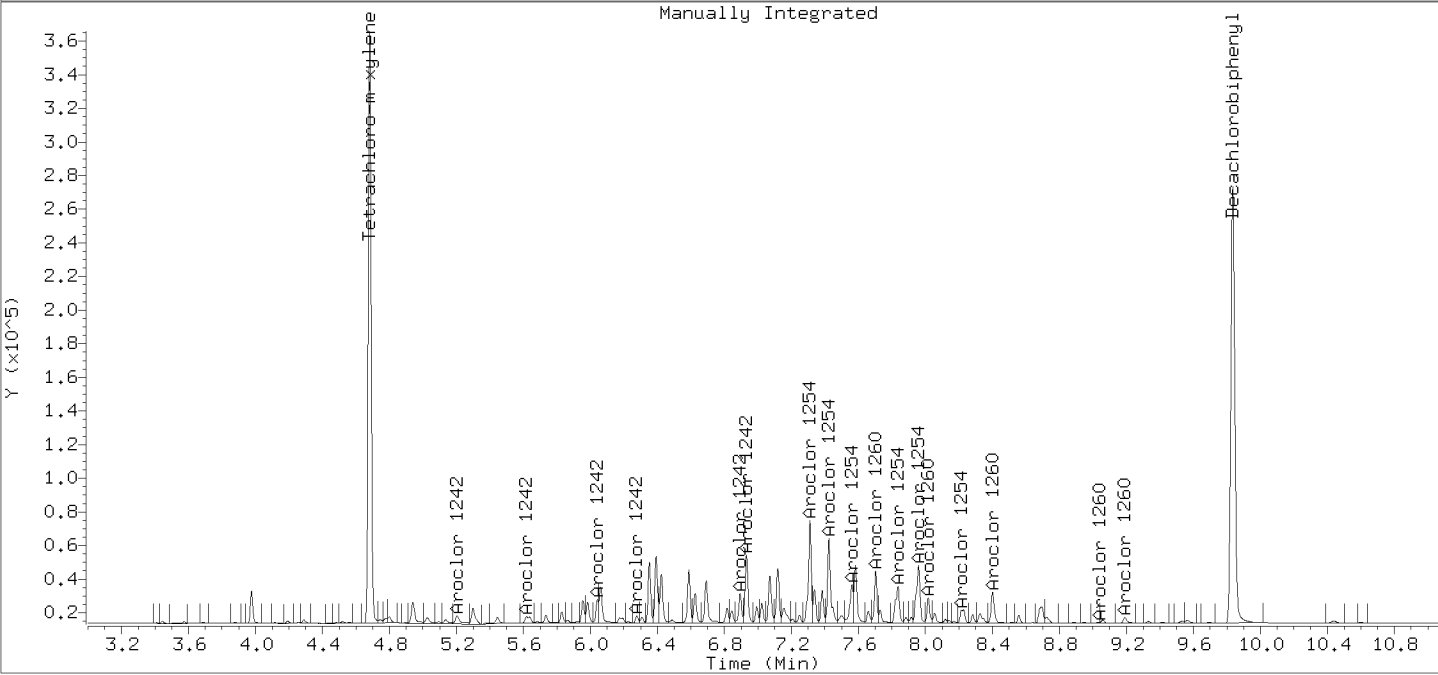
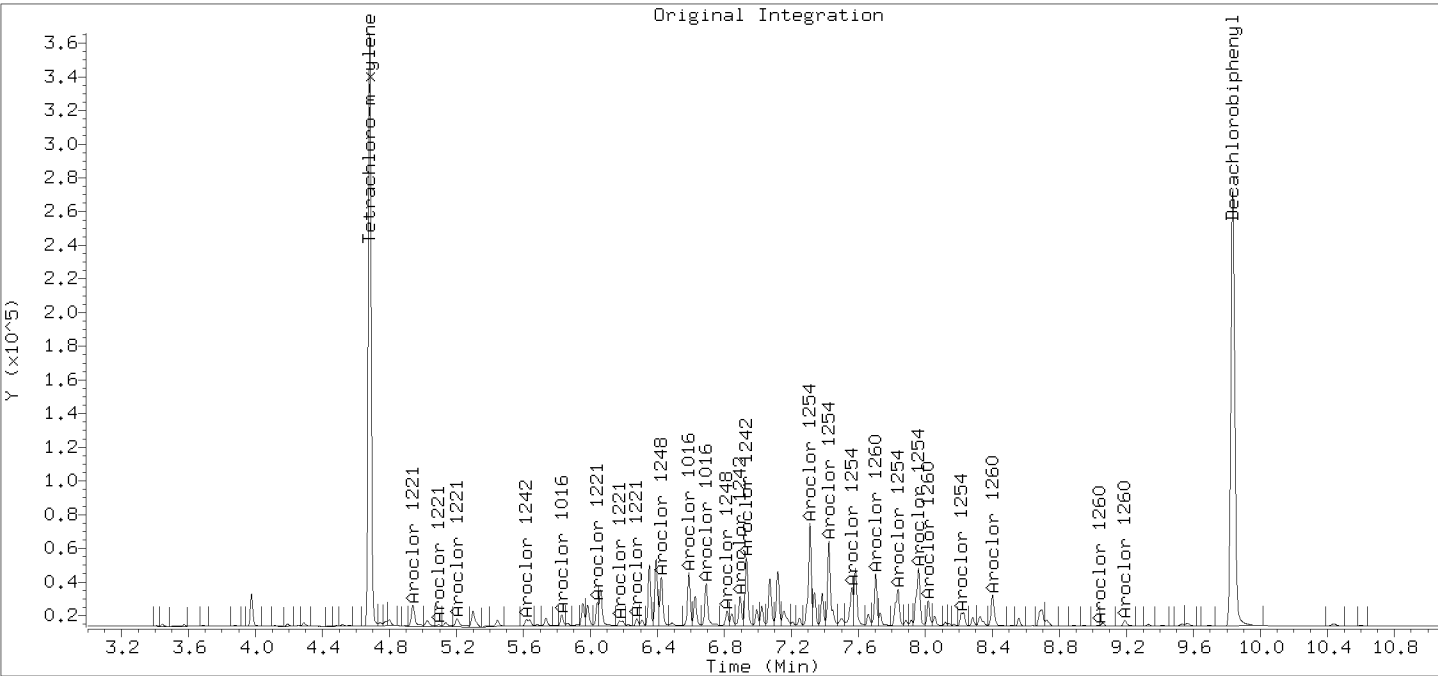
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713114.d
Date : 15-JUL-2020 01:00
Client ID: PAS-B8-344
Sample Info: 40209774009
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1016	10432	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	
Aroclor 1221	19878	0	

Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1232	19878	0
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1242	10432	10432
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1248	14054	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Aroclor 1260	31155	31155
Tetrachloro-m-xylene	420460	420460
Decachlorobiphenyl	438499	438499
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-440

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 01:22
Initial wt/vol: 20.0084 Final wt/vol: 10 mL Dilution: 2

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774010
Lab File ID: 071320A.BIA713115.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	119	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	358	
11096-82-5	PCB-1260 (Aroclor 1260)	104	
1336-36-3	PCB, Total	581	

07/15/2020 1:44

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713115.d
Lab Smp Id: 40209774010 Client Smp ID: PAS-BS-440
Inj Date : 15-JUL-2020 01:22
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774010 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.008	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	1256	871	0.693	0.03		
3.178	1220	1213	0.994	0.03		
3.215	3606	2910	0.807	0.10		
3.552	932	577	0.619	0.02		
3.653	1015	932	0.918	0.03		
4.128	12524	8409	0.671	0.37		
4.300	604	301	0.498	0.01		
4.382	2664	1572	0.590	0.07		
4.668	3614	2588	0.716	0.10		
4.703	8091	5517	0.682	0.23		
4.747	234401	166919	0.712	6.93	\$ 2 Tetrachloro-m-xylene	
4.928	735	501	0.681	0.02		
5.067	1995	1356	0.680	0.05		
5.100	4781	2778	0.581	0.14		
5.148	7702	4282	0.556	0.22	3 Aroclor 1242	BA
5.198	4475	2157	0.482	0.13		
5.290	7670	5307	0.692	0.22		
5.365	16029	10831	0.676	0.47		
5.442	18019	10792	0.599	0.53		
5.543	15502	6405	0.413	0.45		
5.658	10289	6728	0.654	0.30		
5.723	15246	8756	0.574	0.45		
5.800	1703	1176	0.691	0.05		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.842	1194	659	0.552	0.03	
5.933	34070	17025	0.500	1.00	
5.980	16763	14618	0.872	0.49	3 Aroclor 1242
6.003	40946	26620	0.650	1.21	3 Aroclor 1242
6.055	7547	5019	0.665	0.22	
6.095	1924	1454	0.756	0.05	
6.132	4819	4080	0.847	0.14	
6.155	8211	6004	0.731	0.24	
6.190	7602	5080	0.668	0.22	3 Aroclor 1242
6.292	75983	63716	0.839	2.24	
6.317	88987	69644	0.783	2.63	
6.347	62809	46587	0.742	1.85	
6.495	95772	52732	0.551	2.83	
6.572	40502	31201	0.770	1.19	
6.607	27117	17329	0.639	0.80	
6.700	13801	9712	0.704	0.40	
6.745	5366	4413	0.822	0.15	
6.780	19604	14549	0.742	0.57	
6.817	53583	44234	0.826	1.58	3 Aroclor 1242
6.852	44806	40031	0.893	1.32	3 Aroclor 1242
6.875	100247	60109	0.600	2.96	
6.978	30800	25877	0.840	0.91	
7.017	116957	83344	0.713	3.45	
7.052	85406	65860	0.771	2.52	
7.122	10876	6858	0.631	0.32	
7.190	20660	15152	0.733	0.61	
7.208	48725	37777	0.775	1.44	16 Aroclor 1254
7.237	281809	241945	0.859	8.85	16 Aroclor 1254
7.277	56203	47026	0.837	1.66	
7.333	141932	122199	0.861	4.19	16 Aroclor 1254
7.363	32426	26055	0.804	0.95	
7.428	41731	18958	0.454	1.23	
7.467	78348	65196	0.832	2.31	28 Aroclor 1260
7.502	18444	12686	0.688	0.54	
7.538	102551	78971	0.770	3.03	16 Aroclor 1254
7.582	8573	6485	0.756	0.25	
7.622	25398	22681	0.893	0.75	
7.663	147316	88647	0.602	4.35	28 Aroclor 1260
7.747	78188	47217	0.604	2.31	16 Aroclor 1254
7.795	9197	7544	0.820	0.27	
7.830	9958	8368	0.840	0.29	
7.870	153977	111515	0.724	4.55	16 Aroclor 1254
7.943	104984	91388	0.870	3.10	28 Aroclor 1260
7.977	28069	18976	0.676	0.83	
8.045	6536	5279	0.808	0.19	
8.078	26975	19266	0.714	0.79	16 Aroclor 1254
8.122	30643	25442	0.830	0.90	28 Aroclor 1260
8.153	21567	17442	0.809	0.63	
8.188	10259	7630	0.744	0.30	
8.253	15204	10684	0.703	0.44	
8.290	24088	15489	0.643	0.71	
8.340	79136	66459	0.840	2.34	28 Aroclor 1260
8.370	10643	8807	0.827	0.31	
8.402	9462	6920	0.731	0.27	
8.447	1065	643	0.604	0.03	
8.497	878	567	0.646	0.02	
8.567	59220	31444	0.531	1.75	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.618	21198	12597	0.594	0.62	
8.692	1254	696	0.555	0.03	
8.778	2513	1663	0.662	0.07	
8.830	2410	1459	0.605	0.07	
8.867	8637	5635	0.652	0.25	28 Aroclor 1260
8.908	3604	2541	0.705	0.10	
9.008	815	354	0.435	0.02	
9.085	16627	11541	0.694	0.49	28 Aroclor 1260
9.142	3531	1680	0.476	0.10	
9.225	720	350	0.486	0.02	
9.257	1053	615	0.584	0.03	
9.317	1478	991	0.671	0.04	
9.362	6728	4120	0.612	0.19	
9.498	232	110	0.475	0.00	
9.565	231899	138435	0.597	6.85	\$ 42 Decachlorobiphenyl
9.685	2676	966	0.361	0.07	
9.752	1741	863	0.496	0.05	
9.835	2366	486	0.205	0.06	
9.978	3484	1016	0.292	0.10	
10.118	2321	451	0.194	0.06	
10.212	1808	609	0.337	0.05	
10.303	3680	857	0.233	0.10	
10.472	735	196	0.267	0.02	
10.573	3052	954	0.313	0.09	
11.042	2099	500	0.238	0.06	
	3380594	2444176		100.000	

Total unknown % area = 42

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713115.d
Lab Smp Id: 40209774010 Client Smp ID: PAS-BS-440
Inj Date : 15-JUL-2020 01:22
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774010 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.008	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8	
4.746	4.726	0.020	234400	0.04035	40						
3 Aroclor 1242										CAS #: 53469-21-9	
5.148	5.123	0.025	7702	0.09886	99	0.00-	20.00	100.00 (M)	BA		
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
5.980	5.960	0.020	16763	0.12713	130	0.00-	20.00	217.64	BA		
6.003	5.982	0.021	40946	0.17793	180	0.00-	20.00	531.63	BA		
6.190	6.169	0.021	7601	0.07289	73	0.00-	20.00	98.69	BA		
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA		
Average of Peak Concentrations =					120						

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.208	7.193	0.015	48724	0.43246	430	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	141932	0.38879	390	0.00-	20.00	291.30	CO
7.538	7.524	0.014	102551	0.36468	360	0.00-	20.00	210.47	CO
7.746	7.733	0.013	78188	0.35249	350	0.00-	20.00	160.47	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	26975	0.25464	250	0.00-	20.00	55.36	CO
Average of Peak Concentrations =					360				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.121	8.108	0.013	30643	0.11849	120	0.00-	20.00	0.00	CO
8.340	8.325	0.015	79136	0.12932	130	0.00-	20.00	0.00	CO
8.866	8.850	0.016	8637	0.08096	81	0.00-	20.00	0.00	CO
9.085	9.068	0.017	16627	0.08557	86	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					100				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.565	9.546	0.019	231898	0.04010	40			(M)	BA

QC Flag Legend

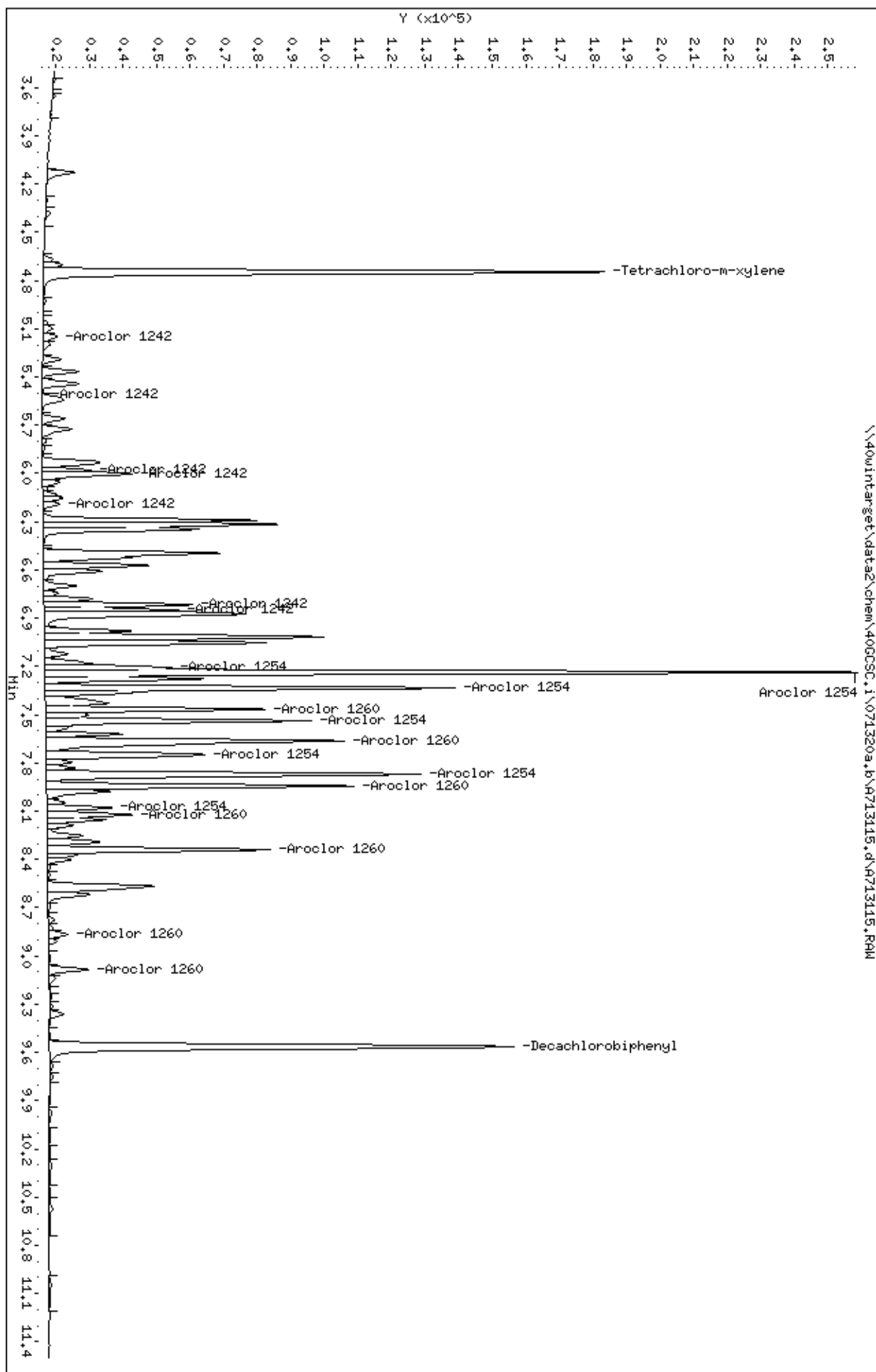
M - Compound response manually integrated.

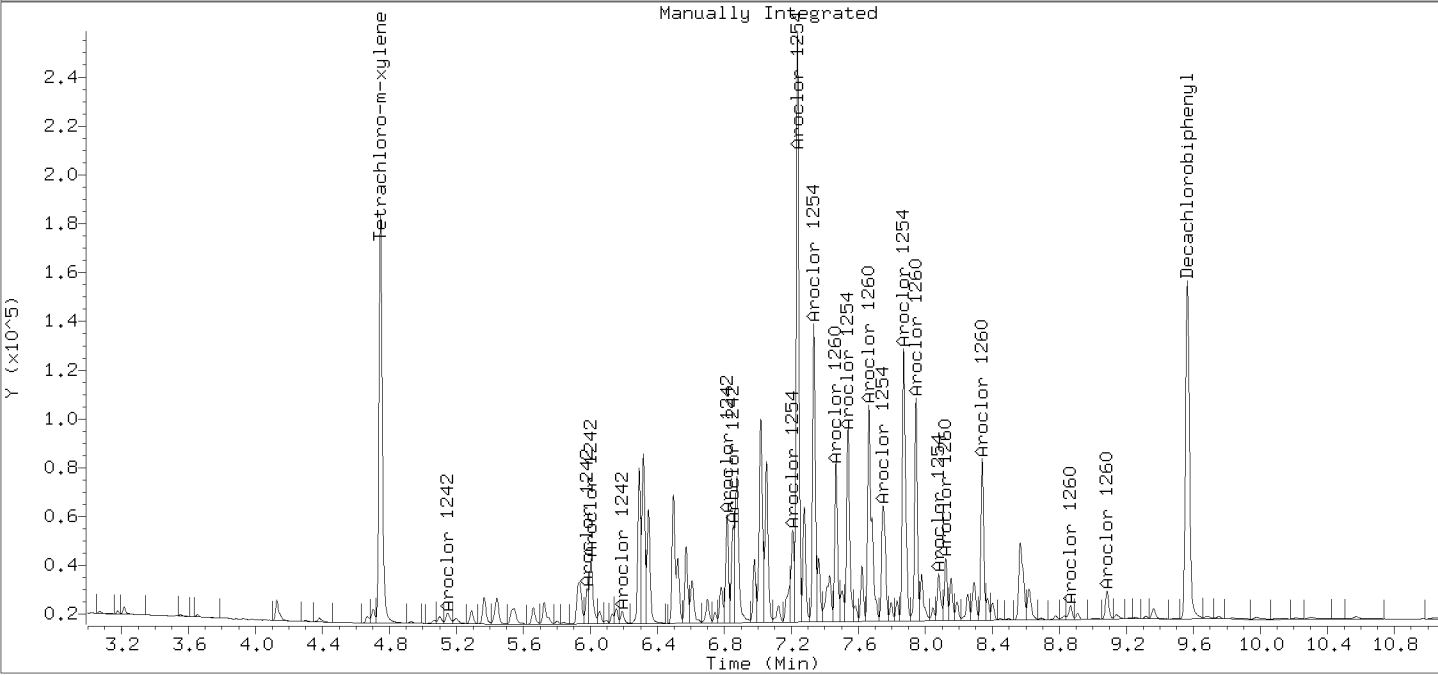
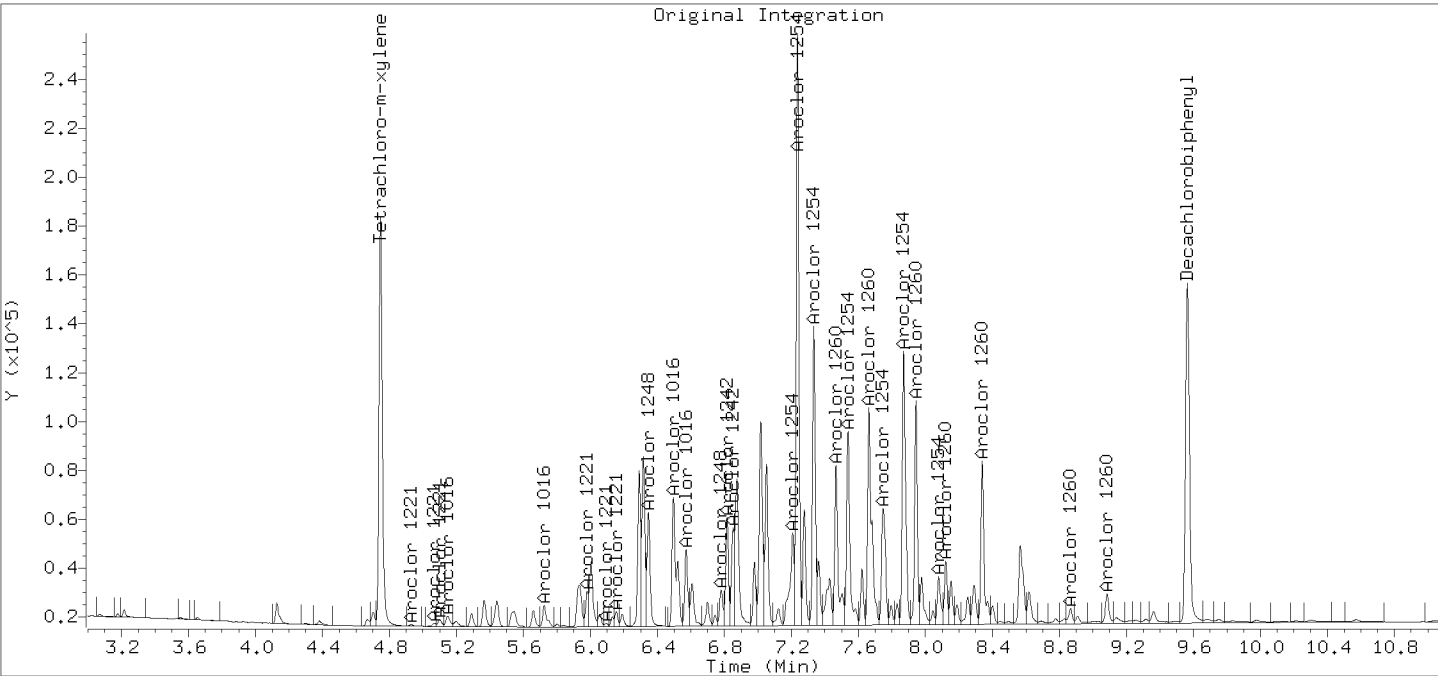
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713115.d
 Date : 15-JUL-2020 01:22
 Client ID: PAS-B8-440
 Sample Info: 40209774010 x2
 Volume Injected (uL): 1.0
 Column phase: Rtx-CLP

Instrument: 40GCSC.i
 Operator: BLH
 Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1016	7383	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	
Aroclor 1221	735	0	

Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1232	735	0	
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1242	4573	7702	BA
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1248	15917	0	
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1254	67366	48724	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Aroclor 1260	96382	0	CO
Tetrachloro-m-xylene	234400	234400	
Decachlorobiphenyl	236038	231898	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713115.d
Lab Smp Id: 40209774010 Client Smp ID: PAS-BS-440
Inj Date : 15-JUL-2020 01:22
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774010 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.008	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	478	468	0.979	0.01		
3.443	1049	816	0.778	0.03		
3.527	478	200	0.418	0.01		
3.575	1616	1240	0.767	0.05		
3.813	484	162	0.335	0.01		
3.878	447	321	0.717	0.01		
3.977	10084	9760	0.968	0.33		
4.115	708	230	0.325	0.02		
4.192	2349	1940	0.826	0.07		
4.258	432	397	0.920	0.01		
4.288	3153	2222	0.705	0.10		
4.498	937	236	0.252	0.03		
4.682	212879	178554	0.839	7.13	\$ 2 Tetrachloro-m-xylene	
4.778	7611	4818	0.633	0.25		
4.800	9940	6207	0.624	0.33		
4.940	11677	7455	0.638	0.39		
4.982	2243	1366	0.609	0.07		
5.027	4780	2172	0.454	0.16		
5.095	1448	768	0.530	0.04		
5.135	5829	3313	0.568	0.19		
5.203	11918	6871	0.577	0.39	3 Aroclor 1242	
5.298	21926	12716	0.580	0.73		
5.378	1098	614	0.559	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.445	8254	5710	0.692	0.27	
5.618	6935	5938	0.856	0.23	3 Aroclor 1242
5.637	7144	6123	0.857	0.23	
5.682	1771	1133	0.640	0.05	
5.735	9275	7008	0.756	0.31	
5.830	11551	9846	0.852	0.38	
5.863	3015	2320	0.770	0.10	
5.955	16672	14597	0.876	0.55	
5.983	15738	13022	0.827	0.52	
6.042	13739	15510	1.129	0.46	3 Aroclor 1242
6.062	37986	29212	0.769	1.27	
6.175	8141	4386	0.539	0.27	
6.223	728	802	1.101	0.02	
6.277	5928	5338	0.901	0.19	3 Aroclor 1242
6.308	5892	5421	0.920	0.19	
6.352	68388	62184	0.909	2.29	
6.392	74667	67059	0.898	2.50	
6.423	54554	45842	0.840	1.82	
6.487	1909	1497	0.784	0.06	
6.587	59512	53140	0.893	1.99	
6.625	30053	26974	0.898	1.00	
6.690	52125	42311	0.812	1.74	
6.815	15063	12884	0.855	0.50	
6.843	17780	15723	0.884	0.59	
6.893	41728	36077	0.865	1.39	3 Aroclor 1242
6.932	109426	93464	0.854	3.66	3 Aroclor 1242
6.992	20888	19116	0.915	0.70	
7.023	27416	25089	0.915	0.91	
7.070	81709	67610	0.827	2.74	
7.118	85002	73129	0.860	2.85	
7.155	33664	18271	0.543	1.12	
7.207	5521	5003	0.906	0.18	
7.248	10207	8884	0.870	0.34	
7.310	253741	218458	0.861	9.04	16 Aroclor 1254
7.337	48534	48142	0.992	1.62	
7.383	49629	45523	0.917	1.66	
7.423	161832	124338	0.768	5.42	16 Aroclor 1254
7.497	18544	10039	0.541	0.62	
7.562	93742	72049	0.769	3.14	16 Aroclor 1254
7.582	93001	83192	0.895	3.11	
7.658	23322	19590	0.840	0.78	
7.703	91406	83269	0.911	3.06	28 Aroclor 1260
7.730	25538	23343	0.914	0.85	
7.837	89256	51010	0.572	2.99	16 Aroclor 1254
7.883	9037	7285	0.806	0.30	
7.915	9052	7954	0.879	0.30	
7.958	138446	83329	0.602	4.64	16 Aroclor 1254
8.017	84421	81432	0.965	2.83	28 Aroclor 1260
8.055	20182	16894	0.837	0.67	
8.118	5321	5080	0.955	0.17	
8.140	4860	4630	0.953	0.16	
8.170	4162	3716	0.893	0.13	
8.228	41227	24687	0.599	1.38	16 Aroclor 1254
8.282	17173	14334	0.835	0.57	
8.327	26826	14573	0.543	0.89	
8.402	66398	49586	0.747	2.22	28 Aroclor 1260
8.455	1680	1445	0.860	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.515	1372	1201	0.875	0.04	
8.558	11273	9920	0.880	0.37	
8.640	1161	922	0.794	0.03	
8.692	52877	27314	0.517	1.77	
8.723	16404	10242	0.624	0.55	
8.827	652	550	0.843	0.02	
8.887	2317	1413	0.610	0.07	
8.945	1672	1220	0.730	0.05	
9.060	7930	4744	0.598	0.26	28 Aroclor 1260
9.192	13158	8998	0.684	0.44	28 Aroclor 1260
9.332	3541	2535	0.716	0.11	
9.415	2748	1632	0.594	0.09	
9.532	9980	3384	0.339	0.33	
9.695	2663	952	0.357	0.08	
9.837	215473	128474	0.596	7.22	\$ 42 Decachlorobiphenyl
10.033	523	310	0.593	0.01	
10.450	2461	893	0.363	0.08	
10.967	825	389	0.471	0.02	
11.417	1757	729	0.415	0.05	
	2982063	2343189		100.000	

Total unknown % area = 44

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713115.d
Lab Smp Id: 40209774010 Client Smp ID: PAS-BS-440
Inj Date : 15-JUL-2020 01:22
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774010 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.008	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.681	4.660	0.021	212878	0.04287	43			
3 Aroclor 1242					CAS #: 53469-21-9			
5.203	5.179	0.024	11917	0.16058	160	0.00-	20.00	100.00
5.618	5.597	0.021	6935	0.05014	50	0.00-	20.00	58.19
6.041	6.021	0.020	13738	0.10504	100	0.00-	20.00	115.28
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00
6.276	6.257	0.019	5927	0.06698	67	0.00-	20.00	49.74
6.893	6.876	0.017	41727	0.37754	380	0.00-	20.00	350.15
6.931	6.916	0.015	109425	0.82500	820	0.00-	20.00	918.23
Average of Peak Concentrations =					260			

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	253740	1.36358	1400	0.00-	20.00	0.00	
7.423	7.409	0.014	161831	0.42606	420	0.00-	20.00	0.00	
7.561	7.568	-0.007	93741	0.35517	360	0.00-	20.00	0.00	
7.836	7.822	0.014	89255	0.54364	540	0.00-	20.00	0.00	
7.958	7.947	0.011	138446	0.42022	420	0.00-	20.00	0.00	
8.228	8.200	0.028	41227	0.44036	440	0.00-	20.00	0.00	
Average of Peak Concentrations =					590				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	93741	0.37467	370	0.00-	20.00	100.00	
7.703	7.688	0.015	91405	0.34104	340	0.00-	20.00	97.51	
8.016	8.002	0.014	84421	0.37278	370	0.00-	20.00	90.06	
8.228	8.214	0.014	41227	0.17424	170	0.00-	20.00	43.98	
8.401	8.384	0.017	66398	0.14048	140	0.00-	20.00	70.83	
9.060	9.040	0.020	7929	0.10381	100	0.00-	20.00	8.46	
9.191	9.171	0.020	13157	0.08651	86	0.00-	20.00	14.04	
Average of Peak Concentrations =					230				

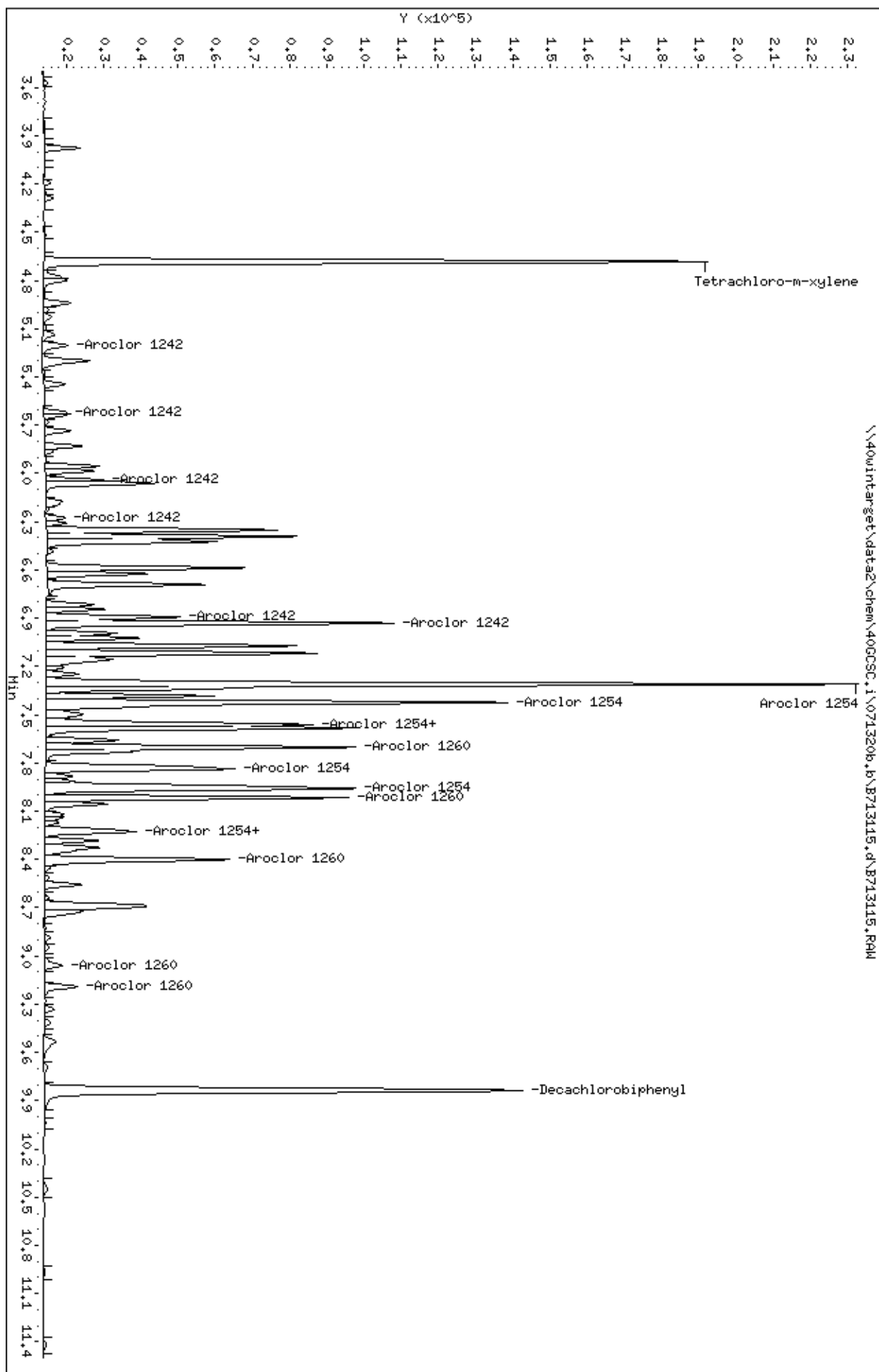
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.836	9.812	0.024	215473	0.04085	41				

Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713115.d
Date : 15-JUL-2020 01:22
Client ID: PAS-B8-440
Sample Info: 40209774010 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

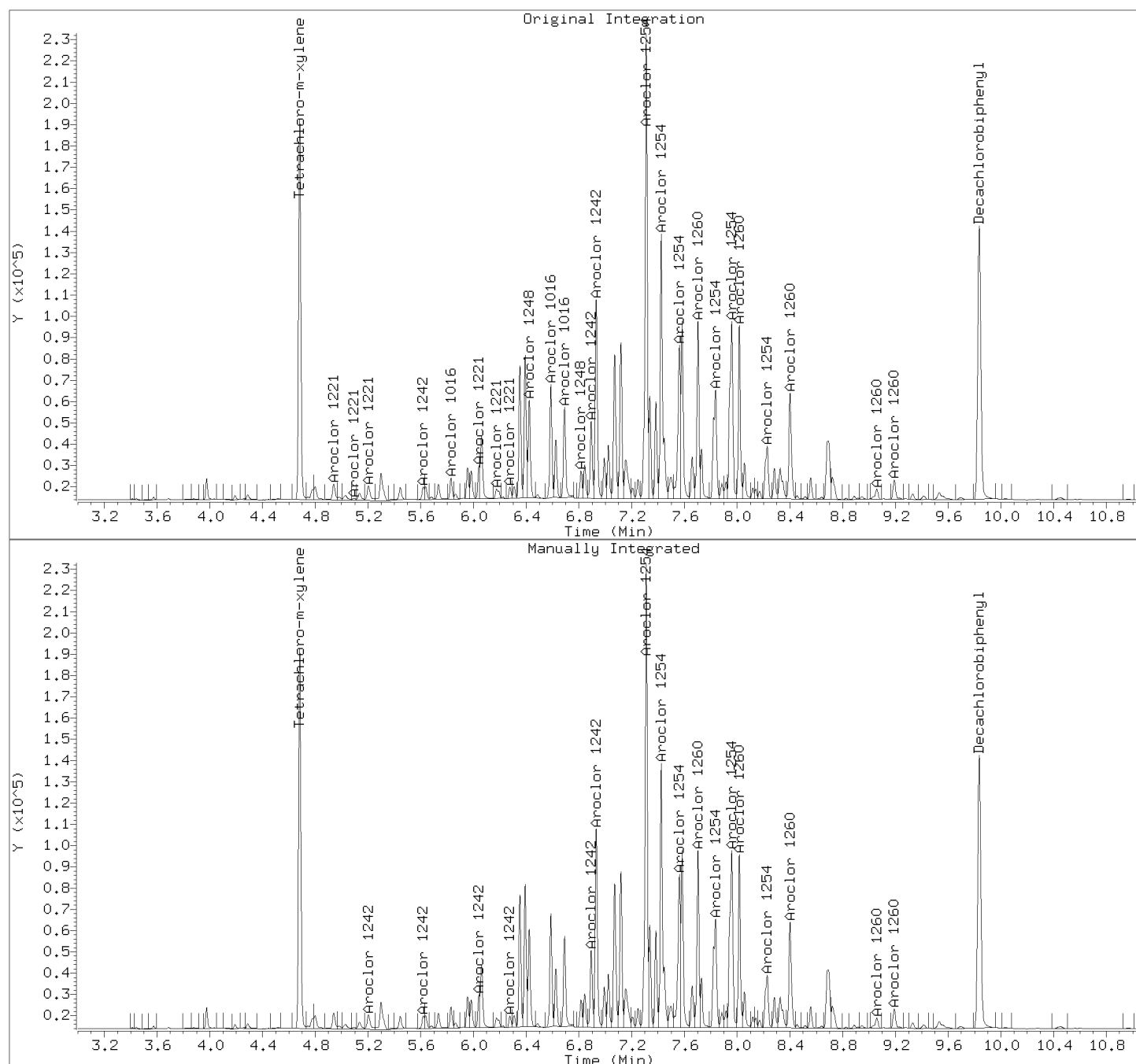
Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 40209774010



Manually Integrated Compounds

[illegible]

Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1232	11676	0
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1242	11917	11917
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1248	13738	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Aroclor 1260	93741	93741
Tetrachloro-m-xylene	212878	212878
Decachlorobiphenyl	215473	215473
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-441

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 40209774011

Date Analyzed: 07/15/2020 01:44

Lab File ID: 071320A.BIA713116.D

Initial wt/vol: 18.8068 Final wt/vol: 10 mL Dilution: 3

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	201	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	504	
11096-82-5	PCB-1260 (Aroclor 1260)	111	
1336-36-3	PCB, Total	817	

07/15/2020 1:43

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713116.d
Lab Smp Id: 40209774011 Client Smp ID: PAS-BS-441
Inj Date : 15-JUL-2020 01:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774011 x3
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	3.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.807	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.215	2901	1884	0.649	0.09		
4.060	503	211	0.420	0.01		
4.128	1127	1177	1.044	0.03		
4.147	2598	1483	0.571	0.08		
4.295	563	281	0.499	0.01		
4.382	2492	1507	0.605	0.08		
4.667	3091	2217	0.717	0.10		
4.702	7113	4974	0.699	0.23		
4.745	146574	102537	0.700	4.90	\$ 2 Tetrachloro-m-xylene	
4.928	587	446	0.760	0.01		
5.067	1101	788	0.716	0.03		
5.098	4577	2816	0.615	0.15		
5.147	7398	4183	0.565	0.24	3 Aroclor 1242	BA
5.197	4153	2038	0.491	0.13		
5.288	7974	5366	0.673	0.26		
5.365	15795	10722	0.679	0.52		
5.440	13472	7195	0.534	0.45		
5.543	16124	6753	0.419	0.54		
5.658	11349	7297	0.643	0.38		
5.723	17205	10245	0.595	0.57		
5.798	1180	808	0.685	0.03		
5.843	932	526	0.564	0.03		
5.933	42236	21401	0.507	1.41		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.980	19091	16835	0.882	0.63	3 Aroclor 1242
6.002	44153	27962	0.633	1.47	3 Aroclor 1242
6.055	10048	6582	0.655	0.33	
6.093	2668	2035	0.763	0.08	
6.130	5330	4365	0.819	0.17	
6.153	8242	6140	0.745	0.27	
6.188	7651	4924	0.644	0.25	3 Aroclor 1242
6.290	79318	66338	0.836	2.65	
6.315	91659	71045	0.775	3.06	
6.345	72346	52170	0.721	2.42	
6.495	65069	54435	0.837	2.17	
6.522	37815	29573	0.782	1.26	
6.570	38200	29537	0.773	1.27	
6.605	31499	21094	0.670	1.05	
6.698	14642	10450	0.714	0.49	
6.743	5035	4150	0.824	0.16	
6.780	15615	11368	0.728	0.52	
6.815	47264	38817	0.821	1.58	3 Aroclor 1242
6.850	46002	38926	0.846	1.54	3 Aroclor 1242
6.873	96942	60151	0.620	3.24	
6.978	28986	23980	0.827	0.97	
7.017	101301	73650	0.727	3.39	
7.052	79567	59952	0.753	2.66	
7.122	11359	6837	0.602	0.38	
7.172	9370	9215	0.983	0.31	
7.207	46088	31896	0.692	1.54	16 Aroclor 1254
7.235	384148	336462	0.876	13.41	16 Aroclor 1254
7.277	54171	43954	0.811	1.81	
7.333	120049	103617	0.863	4.02	16 Aroclor 1254
7.362	26462	20231	0.765	0.88	
7.428	35355	15839	0.448	1.18	
7.467	56278	46985	0.835	1.88	28 Aroclor 1260
7.500	16370	11033	0.674	0.54	
7.537	89019	72032	0.809	2.98	16 Aroclor 1254
7.558	14462	11814	0.817	0.48	
7.622	18665	16647	0.892	0.62	
7.662	132634	68436	0.516	4.44	28 Aroclor 1260
7.720	294	1538	5.237	0.00	
7.747	66845	42542	0.636	2.23	16 Aroclor 1254
7.795	8120	6419	0.791	0.27	
7.830	8109	6723	0.829	0.27	
7.870	127275	89545	0.704	4.26	16 Aroclor 1254
7.943	62010	51827	0.836	2.07	28 Aroclor 1260
7.977	19202	13131	0.684	0.64	
8.045	4596	3731	0.812	0.15	
8.078	23848	16825	0.706	0.79	16 Aroclor 1254
8.120	21362	17616	0.825	0.71	28 Aroclor 1260
8.153	15371	12280	0.799	0.51	
8.188	7886	5681	0.720	0.26	
8.252	12193	8559	0.702	0.40	
8.292	15293	9372	0.613	0.51	
8.338	53968	44682	0.828	1.80	28 Aroclor 1260
8.370	8959	6951	0.776	0.30	
8.400	5476	4057	0.741	0.18	
8.445	1431	909	0.635	0.04	
8.497	721	432	0.599	0.02	
8.567	44126	24702	0.560	1.47	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.618	13656	8080	0.592	0.45	
8.693	1039	535	0.515	0.03	
8.777	1476	909	0.616	0.04	
8.827	2040	1142	0.560	0.06	
8.867	5551	3733	0.673	0.18	28 Aroclor 1260
8.908	1660	1206	0.726	0.05	
9.008	683	273	0.400	0.02	
9.083	10707	7527	0.703	0.35	28 Aroclor 1260
9.140	2823	1349	0.478	0.09	
9.223	628	315	0.502	0.02	
9.255	728	443	0.609	0.02	
9.317	1077	742	0.689	0.03	
9.362	3953	2393	0.605	0.13	
9.563	146906	88686	0.604	4.92	\$ 42 Decachlorobiphenyl
9.682	2220	861	0.388	0.07	
9.750	844	427	0.506	0.02	
9.837	527	261	0.495	0.01	
9.977	959	456	0.475	0.03	
10.110	504	150	0.298	0.01	
10.300	2201	772	0.351	0.07	
10.572	1384	549	0.397	0.04	
11.042	3271	813	0.249	0.10	
	2985839	2195476		100.000	

Total unknown % area = 44

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713116.d
Lab Smp Id: 40209774011 Client Smp ID: PAS-BS-441
Inj Date : 15-JUL-2020 01:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774011 x3
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	3.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.807	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	146574	0.02523	40				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	7397	0.09494	150	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	19090	0.14478	230	0.00-	20.00	258.08	BA
6.001	5.982	0.019	44153	0.19187	310	0.00-	20.00	596.90	BA
6.188	6.169	0.019	7650	0.07336	120	0.00-	20.00	103.42	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					200				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	46088	0.40906	650	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	120048	0.32884	520	0.00-	20.00	260.48	CO
7.536	7.524	0.012	89018	0.31656	500	0.00-	20.00	193.15	CO
7.746	7.733	0.013	66844	0.30135	480	0.00-	20.00	145.04	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	23848	0.22512	360	0.00-	20.00	51.74	CO
Average of Peak Concentrations =					500				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	BA
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
8.120	8.108	0.012	21361	0.08260	130	0.00-	20.00	0.00	BA
8.338	8.325	0.013	53967	0.08819	140	0.00-	20.00	0.00	BA
8.866	8.850	0.016	5550	0.05202	83	0.00-	20.00	0.00	BA
9.083	9.068	0.015	10706	0.05510	88	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					110				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	146905	0.02540	40				

QC Flag Legend

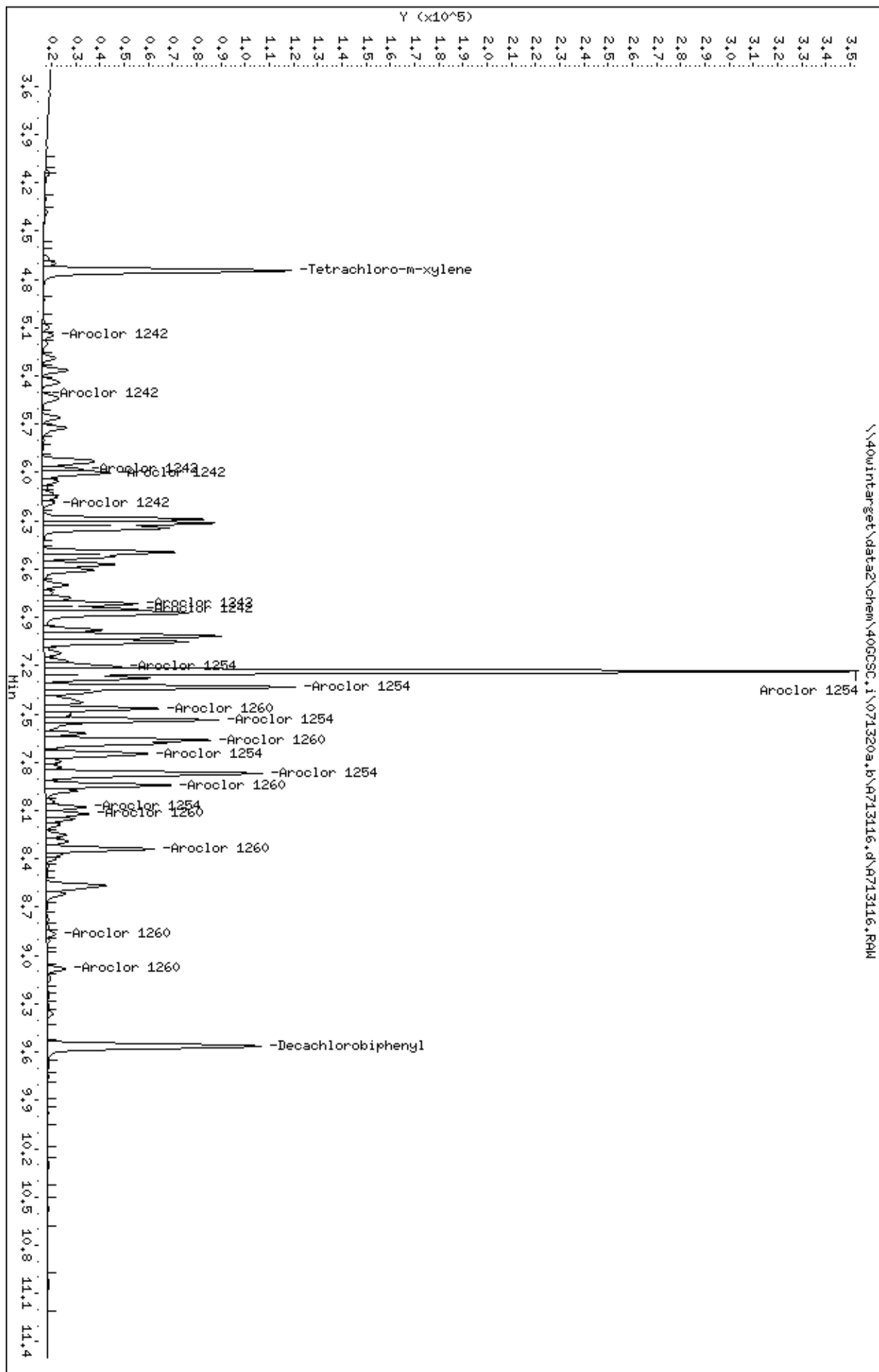
M - Compound response manually integrated.

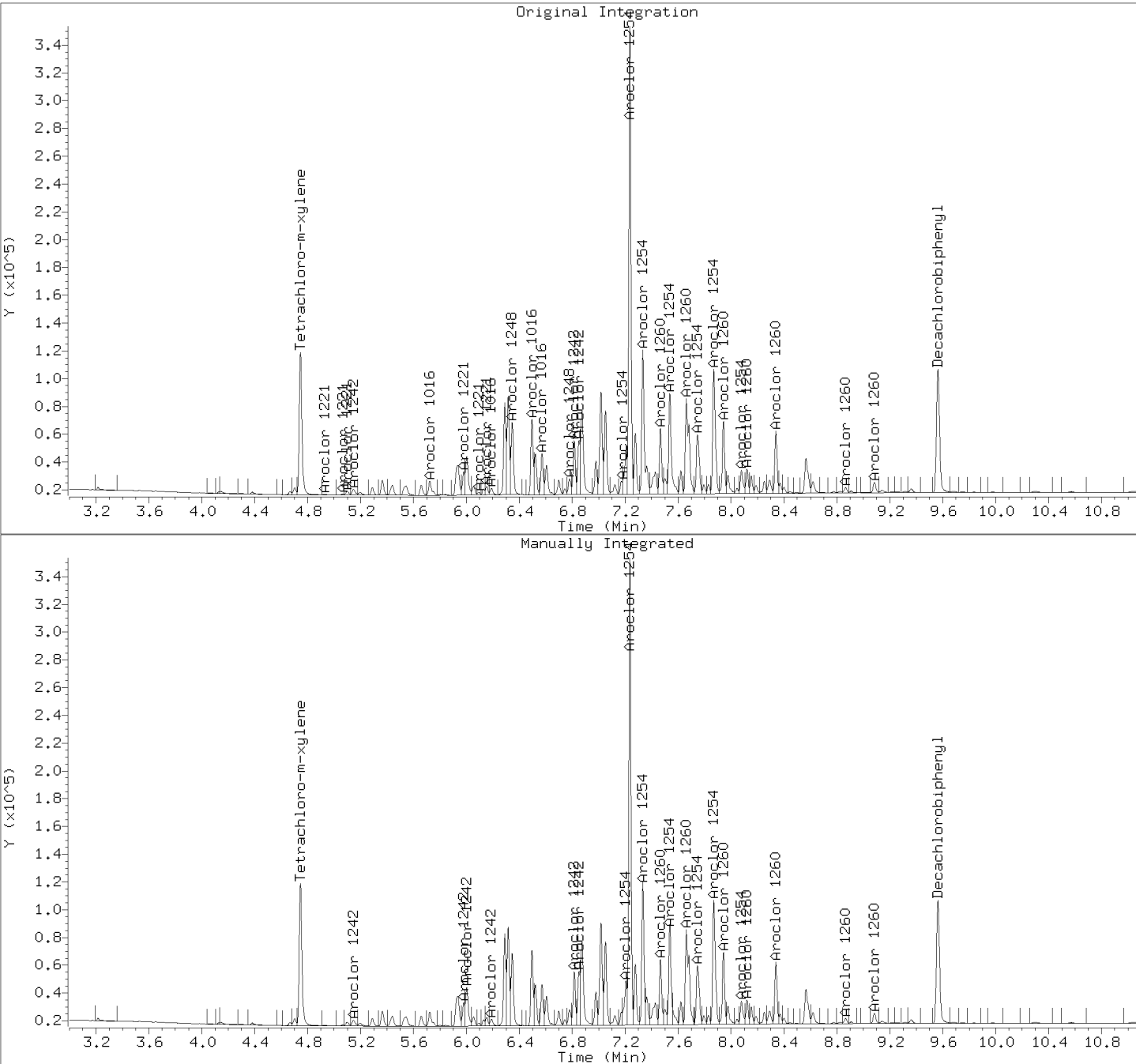
Review Codes Legend

- :
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713116.d
Date : 15-JUL-2020 01:44
Client ID: PAS-B8-441
Sample Info: 40209774011 x3
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1016	7108	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	
Aroclor 1221	623	0	

Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1232	623	0	
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1242	7108	7397	BA
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1248	17833	0	
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1254	11717	46088	CO
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Aroclor 1260	55866	0	BA
Tetrachloro-m-xylene	146574	146574	
Decachlorobiphenyl	146905	146905	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713116.d
Lab Smp Id: 40209774011 Client Smp ID: PAS-BS-441
Inj Date : 15-JUL-2020 01:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774011 x3
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	3.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.807	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	627	412	0.658	0.02		
3.575	1482	461	0.311	0.05		
3.840	638	254	0.398	0.02		
3.977	1655	1397	0.844	0.06		
4.192	2368	1768	0.747	0.08		
4.257	1048	565	0.539	0.03		
4.287	3864	2272	0.588	0.14		
4.447	739	413	0.559	0.02		
4.498	1459	402	0.275	0.05		
4.682	132982	111514	0.839	4.88	\$ 2 Tetrachloro-m-xylene	
4.778	6812	4546	0.667	0.25		
4.798	8922	5626	0.631	0.32		
4.900	565	385	0.682	0.02		
4.940	7609	4958	0.652	0.27		
4.980	2256	1313	0.582	0.08		
5.028	4062	1701	0.419	0.14		
5.093	1256	662	0.527	0.04		
5.135	5943	3328	0.560	0.21		
5.203	12653	6705	0.530	0.46	3 Aroclor 1242	
5.298	20207	12207	0.604	0.74		
5.382	1173	595	0.507	0.04		
5.445	8745	5818	0.665	0.32		
5.618	6848	6263	0.915	0.25	3 Aroclor 1242	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.637	8227	6658	0.809	0.30	
5.682	1885	1216	0.645	0.06	
5.735	9413	7721	0.820	0.34	
5.828	13035	11230	0.862	0.47	
5.863	2797	2225	0.795	0.10	
5.955	20677	18078	0.874	0.76	
5.983	20947	16693	0.797	0.77	
6.042	18080	18172	1.005	0.66	3 Aroclor 1242
6.060	40361	31329	0.776	1.48	
6.175	11421	6258	0.548	0.41	
6.223	1901	1565	0.823	0.06	
6.277	6125	5597	0.914	0.22	3 Aroclor 1242
6.308	7062	6093	0.863	0.25	
6.352	75303	67806	0.900	2.76	
6.392	80774	71523	0.885	2.96	
6.423	66419	54006	0.813	2.44	
6.487	3206	1537	0.479	0.11	
6.587	63543	54770	0.862	2.33	
6.625	36492	31059	0.851	1.34	
6.690	59857	44148	0.738	2.20	
6.815	16627	13671	0.822	0.61	
6.843	14986	12714	0.848	0.55	
6.893	43649	37741	0.865	1.60	3 Aroclor 1242
6.932	106358	90338	0.849	3.91	3 Aroclor 1242
6.992	19336	17241	0.892	0.71	
7.023	25825	23474	0.909	0.94	
7.070	75617	60683	0.803	2.77	
7.118	78420	68844	0.878	2.88	
7.153	30238	15743	0.521	1.11	
7.207	6043	5298	0.877	0.22	
7.248	10258	8294	0.809	0.37	
7.312	352734	317377	0.900	13.44	16 Aroclor 1254
7.337	41011	42058	1.026	1.50	
7.383	47850	43973	0.919	1.75	
7.423	138637	104914	0.757	5.09	16 Aroclor 1254
7.498	16347	8950	0.547	0.60	
7.527	3792	5054	1.333	0.13	
7.562	70123	53181	0.758	2.57	16 Aroclor 1254
7.582	84712	74580	0.880	3.11	
7.658	17845	15233	0.854	0.65	
7.703	74862	66726	0.891	2.75	28 Aroclor 1260
7.730	40512	37283	0.920	1.48	
7.837	76124	46052	0.605	2.79	16 Aroclor 1254
7.883	8268	6389	0.773	0.30	
7.915	7052	6391	0.906	0.25	
7.960	115635	69794	0.604	4.25	16 Aroclor 1254
8.017	50053	46860	0.936	1.84	28 Aroclor 1260
8.055	15368	12151	0.791	0.56	
8.118	4501	4288	0.953	0.16	
8.140	3584	3353	0.936	0.13	
8.172	2624	2060	0.785	0.09	
8.228	32288	17237	0.534	1.18	16 Aroclor 1254
8.282	12429	10576	0.851	0.45	
8.327	20263	11573	0.571	0.74	
8.402	48619	35573	0.732	1.78	28 Aroclor 1260
8.453	1203	1056	0.878	0.04	
8.515	788	735	0.932	0.02	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.558	5714	4923	0.862	0.21	
8.642	1168	852	0.730	0.04	
8.693	37795	19863	0.526	1.38	
8.723	10585	6656	0.629	0.38	
8.825	633	575	0.908	0.02	
8.887	1691	974	0.576	0.06	
8.945	898	650	0.724	0.03	
9.058	5080	3321	0.654	0.18	28 Aroclor 1260
9.192	8210	5911	0.720	0.30	28 Aroclor 1260
9.332	1721	1235	0.718	0.06	
9.415	2809	1497	0.533	0.10	
9.532	3820	1604	0.420	0.14	
9.695	2995	901	0.301	0.11	
9.837	136709	82922	0.607	5.02	\$ 42 Decachlorobiphenyl
10.037	556	326	0.586	0.02	
10.282	1269	236	0.186	0.04	
10.438	1328	469	0.353	0.04	
11.417	1112	472	0.425	0.04	
	2720111	2162094		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713116.d
Lab Smp Id: 40209774011 Client Smp ID: PAS-BS-441
Inj Date : 15-JUL-2020 01:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774011 x3
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	3.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.807	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	132981	0.02678	43								
3 Aroclor 1242										CAS #: 53469-21-9			
5.203	5.179	0.024	12652	0.17048	270	0.00-	20.00	100.00					
5.618	5.597	0.021	6848	0.04951	79	0.00-	20.00	54.13					
6.041	6.021	0.020	18079	0.13823	220	0.00-	20.00	142.89					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.276	6.257	0.019	6124	0.06921	110	0.00-	20.00	48.40					
6.893	6.876	0.017	43649	0.39493	630	0.00-	20.00	345.00					
6.931	6.916	0.015	106358	0.80188	1300	0.00-	20.00	840.64					
Average of Peak Concentrations =					430								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.311	7.322	-0.011	352734	1.89557	3000	0.00-	20.00	0.00	
7.423	7.409	0.014	138637	0.36500	580	0.00-	20.00	0.00	
7.561	7.568	-0.007	70123	0.26569	420	0.00-	20.00	0.00	
7.836	7.822	0.014	76123	0.46366	740	0.00-	20.00	0.00	
7.960	7.947	0.013	115634	0.35098	560	0.00-	20.00	0.00	
8.228	8.200	0.028	32288	0.34488	550	0.00-	20.00	0.00	
Average of Peak Concentrations =					980				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	70123	0.28027	450	0.00-	20.00	100.00	
7.703	7.688	0.015	74862	0.27932	440	0.00-	20.00	106.76	
8.016	8.002	0.014	50052	0.22102	350	0.00-	20.00	71.38	
8.228	8.214	0.014	32288	0.13646	220	0.00-	20.00	46.04	
8.401	8.384	0.017	48619	0.10287	160	0.00-	20.00	69.33	
9.058	9.040	0.018	5080	0.06651	110	0.00-	20.00	7.24	
9.191	9.171	0.020	8209	0.05397	86	0.00-	20.00	11.71	
Average of Peak Concentrations =					260				

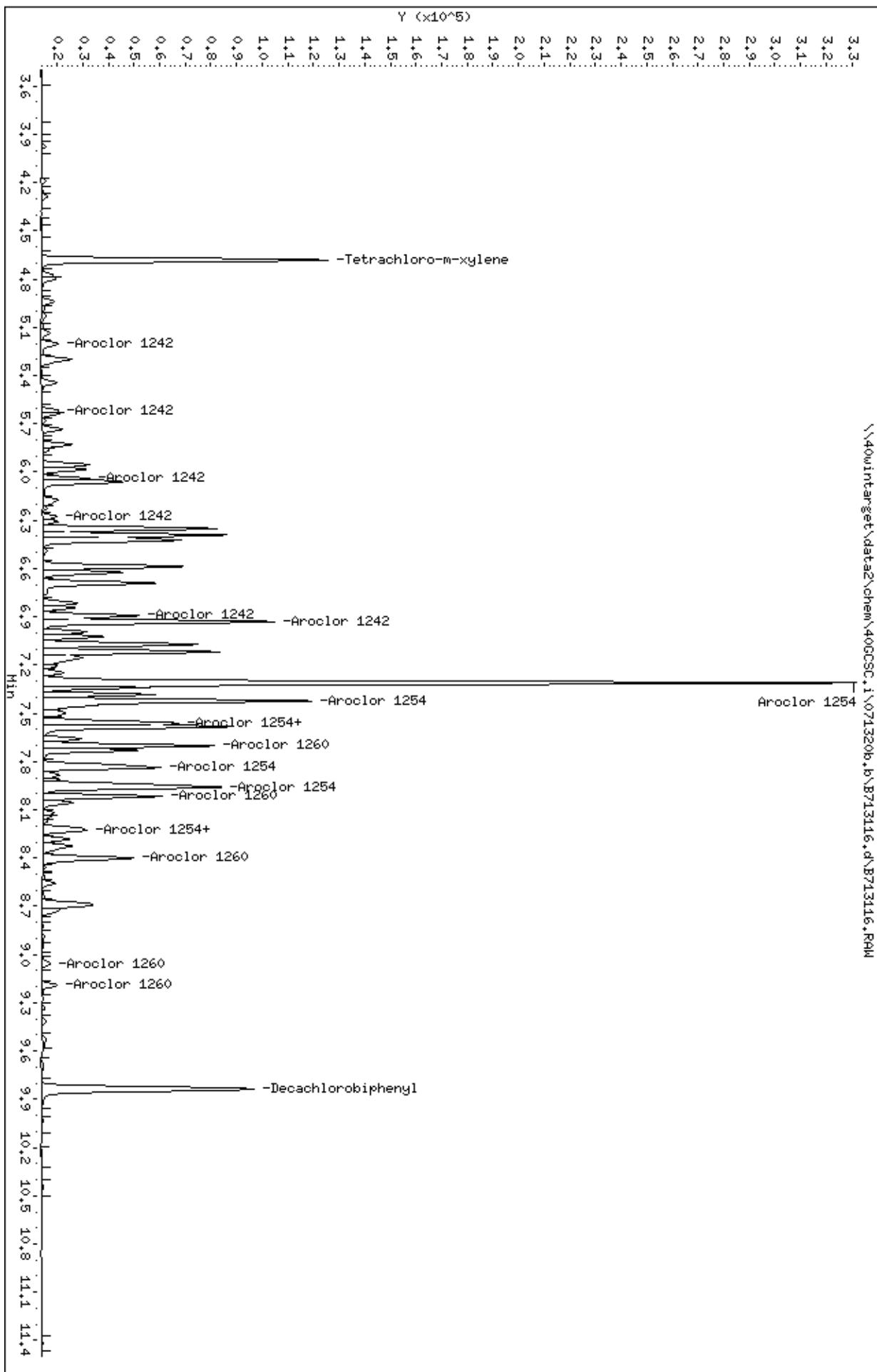
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.836	9.812	0.024	136709	0.02592	41				

Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713116.d
Date : 15-JUL-2020 01:44
Client ID: PAS-B8-441
Sample Info: 40209774011 x3
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

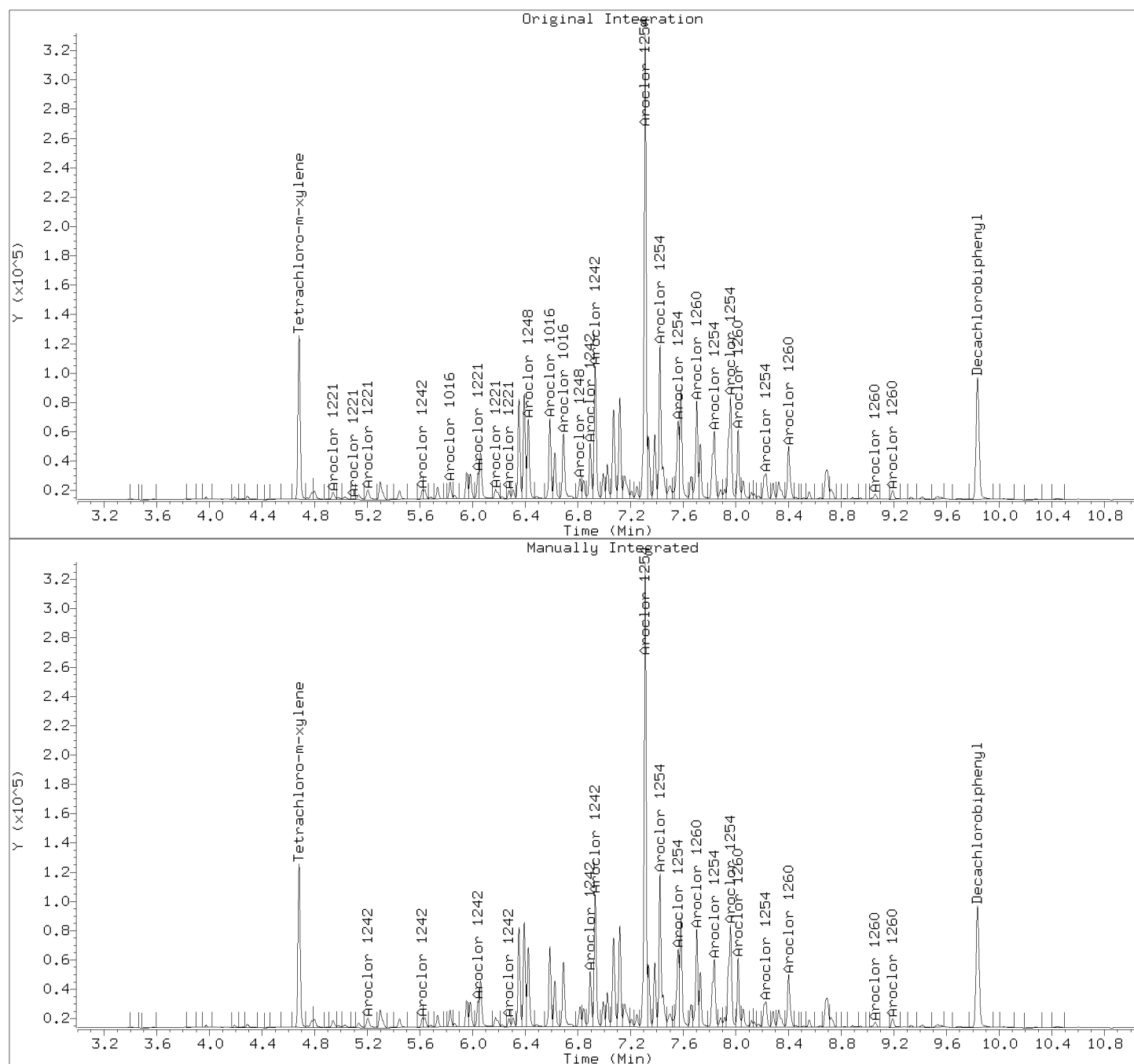
Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 40209774011



Manually Integrated Compounds

[illegible]

Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1232	7609	0
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1242	12652	12652
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1248	18079	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Aroclor 1260	70123	70123
Tetrachloro-m-xylene	132981	132981
Decachlorobiphenyl	136709	136709
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-442

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 40209774012

Date Analyzed: 07/15/2020 02:06

Lab File ID: 071320A.BIA713117.D

Initial wt/vol: 13.3999 Final wt/vol: 10 mL Dilution: 2

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	274	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	630	
11096-82-5	PCB-1260 (Aroclor 1260)	144	
1336-36-3	PCB, Total	1050	

07/15/2020 1:43

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713117.d
Lab Smp Id: 40209774012 Client Smp ID: PAS-BS-442
Inj Date : 15-JUL-2020 02:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774012 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.400	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	830	515	0.621	0.02		
3.178	620	624	1.006	0.01		
3.215	840	521	0.620	0.02		
3.653	623	470	0.755	0.01		
4.058	607	224	0.369	0.01		
4.127	8787	5465	0.622	0.23		
4.382	1992	1218	0.611	0.05		
4.668	3349	2349	0.701	0.09		
4.702	7112	4989	0.701	0.19		
4.745	238184	166165	0.698	6.45	\$ 2 Tetrachloro-m-xylene	
4.928	671	512	0.763	0.01		
5.067	1457	1149	0.789	0.03		
5.100	4828	2968	0.615	0.13		
5.147	8098	4654	0.575	0.21	3 Aroclor 1242	BA
5.197	3603	1754	0.487	0.09		
5.290	8691	6014	0.692	0.23		
5.365	14141	9641	0.682	0.38		
5.442	15936	9638	0.605	0.43		
5.543	20055	8324	0.415	0.54		
5.658	14520	9729	0.670	0.39		
5.723	22308	13429	0.602	0.60		
5.798	1529	1081	0.707	0.04		
5.842	901	609	0.676	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.932	68635	35190	0.513	1.85	
5.980	32145	26650	0.829	0.87	3 Aroclor 1242
6.003	64588	42390	0.656	1.74	3 Aroclor 1242
6.055	12821	8670	0.676	0.34	
6.095	3379	2552	0.755	0.09	
6.130	8205	6751	0.823	0.22	
6.153	11595	8665	0.747	0.31	
6.188	11134	7411	0.666	0.30	3 Aroclor 1242
6.290	116147	98330	0.847	3.14	
6.315	139207	110260	0.792	3.76	
6.345	103535	76133	0.735	2.80	
6.495	156865	83720	0.534	4.24	
6.570	55519	43261	0.779	1.50	
6.605	45023	30439	0.676	1.21	
6.698	23162	16289	0.703	0.62	
6.743	8090	6552	0.810	0.21	
6.780	21580	15530	0.720	0.58	
6.815	62150	51327	0.826	1.68	3 Aroclor 1242
6.862	71574	52115	0.728	1.93	3 Aroclor 1242
6.873	113771	77522	0.681	3.08	
6.978	35369	30524	0.863	0.95	
7.017	137033	98757	0.721	3.71	
7.052	101383	75984	0.749	2.74	
7.120	12257	9115	0.744	0.33	
7.170	15289	12934	0.846	0.41	
7.207	62494	44374	0.710	1.69	16 Aroclor 1254
7.237	163231	129109	0.791	4.42	16 Aroclor 1254
7.275	67168	55748	0.830	1.81	
7.333	162682	141117	0.867	4.40	16 Aroclor 1254
7.362	27169	23203	0.854	0.73	
7.428	47352	22440	0.474	1.28	
7.465	68418	55993	0.818	1.85	28 Aroclor 1260
7.500	21609	14806	0.685	0.58	
7.537	116720	91520	0.784	3.16	16 Aroclor 1254
7.582	9881	6992	0.708	0.26	
7.620	23257	20416	0.878	0.62	
7.662	136798	87590	0.640	3.70	28 Aroclor 1260
7.745	86842	54721	0.630	2.35	16 Aroclor 1254
7.795	10060	8694	0.864	0.27	
7.830	10740	9360	0.872	0.29	
7.868	165045	121131	0.734	4.46	16 Aroclor 1254
7.942	70934	59652	0.841	1.92	28 Aroclor 1260
7.975	25795	17508	0.679	0.69	
8.043	5935	4819	0.812	0.16	
8.078	32212	23176	0.719	0.87	16 Aroclor 1254
8.120	27443	22433	0.817	0.74	28 Aroclor 1260
8.152	20266	16451	0.812	0.54	
8.187	10251	7914	0.772	0.27	
8.252	15948	11631	0.729	0.43	
8.292	19592	12323	0.629	0.53	
8.338	75845	62426	0.823	2.05	28 Aroclor 1260
8.370	9807	8394	0.856	0.26	
8.400	8660	6491	0.750	0.23	
8.443	2060	920	0.447	0.05	
8.565	59602	34097	0.572	1.61	
8.618	19641	11082	0.564	0.53	
8.693	394	222	0.563	0.01	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.777	2289	1294	0.565	0.06	
8.827	3100	1713	0.553	0.08	
8.867	8020	5411	0.675	0.21	28 Aroclor 1260
8.908	2387	1701	0.713	0.06	
8.962	144	103	0.716	0.00	
9.007	998	439	0.440	0.02	
9.083	15916	10984	0.690	0.43	28 Aroclor 1260
9.137	2620	1646	0.628	0.07	
9.225	873	402	0.461	0.02	
9.255	1063	618	0.582	0.02	
9.315	1392	950	0.682	0.03	
9.362	5751	3400	0.591	0.15	
9.500	485	194	0.400	0.01	
9.563	238631	143049	0.599	6.93	\$ 42 Decachlorobiphenyl
9.752	1272	638	0.502	0.03	
9.835	2424	523	0.216	0.06	
9.973	3367	985	0.293	0.09	
10.113	2215	472	0.213	0.05	
10.217	1447	381	0.263	0.03	
10.303	933	261	0.280	0.02	
10.570	2679	988	0.369	0.07	
11.042	575	159	0.277	0.01	
	3692570	2642177		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713117.d
Lab Smp Id: 40209774012 Client Smp ID: PAS-BS-442
Inj Date : 15-JUL-2020 02:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774012 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.400	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	238183	0.04100	61				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	8098	0.10394	160	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	32144	0.24378	360	0.00-	20.00	396.94	BA
6.003	5.982	0.021	64588	0.28067	420	0.00-	20.00	797.58	BA
6.188	6.169	0.019	11133	0.10676	160	0.00-	20.00	137.48	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					270				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	62493	0.55467	830	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	162682	0.44563	660	0.00-	20.00	260.32	CO
7.536	7.524	0.012	116720	0.41507	620	0.00-	20.00	186.77	CO
7.745	7.733	0.012	86841	0.39150	580	0.00-	20.00	138.96	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	32212	0.30407	450	0.00-	20.00	51.54	CO
Average of Peak Concentrations =					630				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	BA
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
8.120	8.108	0.012	27443	0.10612	160	0.00-	20.00	0.00	BA
8.338	8.325	0.013	75845	0.12394	180	0.00-	20.00	0.00	BA
8.866	8.850	0.016	8020	0.07517	110	0.00-	20.00	0.00	BA
9.083	9.068	0.015	15915	0.08191	120	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					140				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	238631	0.04127	62			(M)	BA

QC Flag Legend

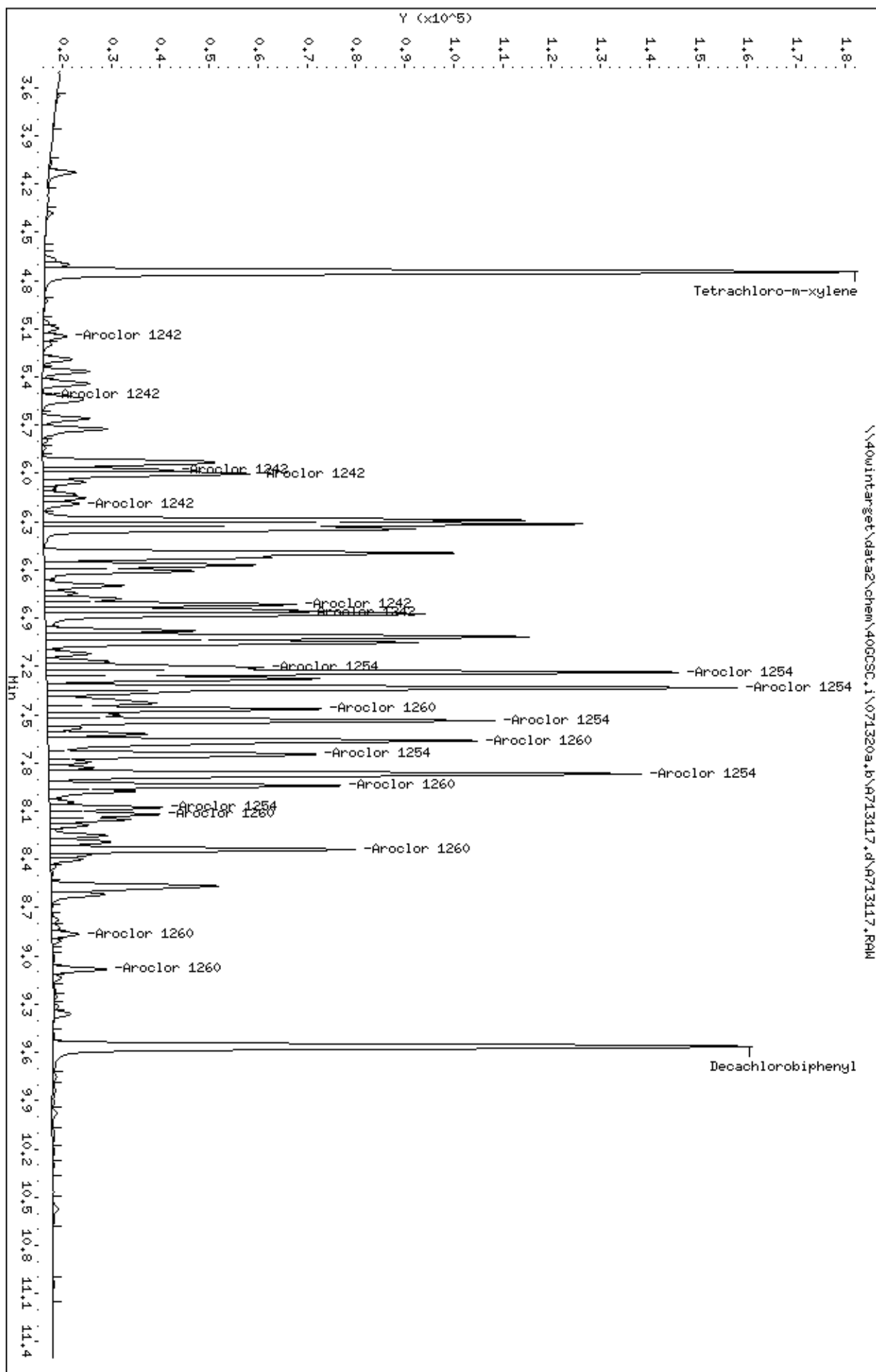
M - Compound response manually integrated.

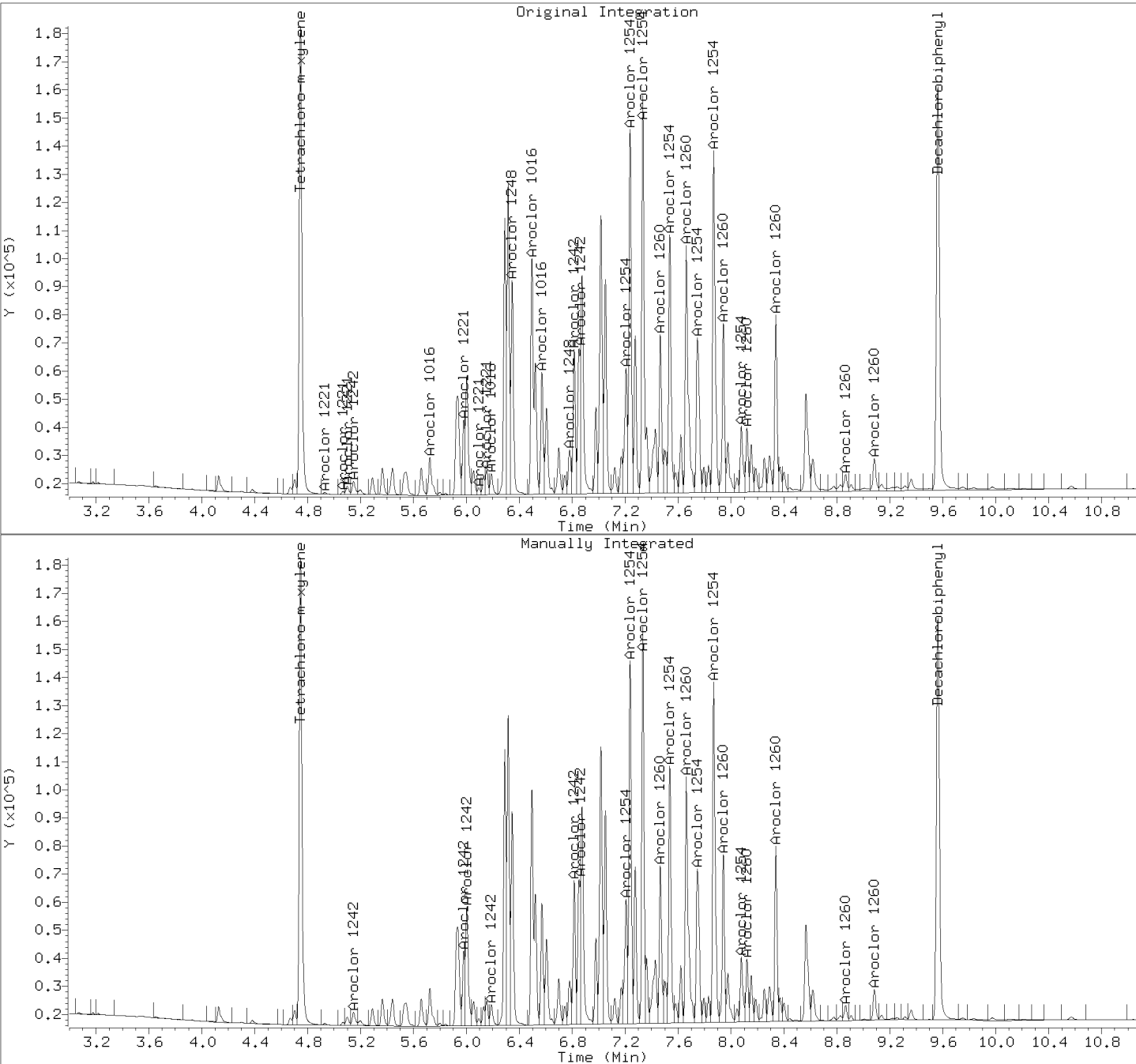
Review Codes Legend

- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713117.d
Date : 15-JUL-2020 02:06
Client ID: PAS-B8-442
Sample Info: 40209774012 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1016	7848	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	
Aroclor 1221	731	0	

Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1232	731	0	
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1242	7848	8098	BA
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1248	30698	0	
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1254	61272	62493	CO
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Aroclor 1260	68262	0	BA
Tetrachloro-m-xylene	238183	238183	
Decachlorobiphenyl	243791	238631	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713117.d
Lab Smp Id: 40209774012 Client Smp ID: PAS-BS-442
Inj Date : 15-JUL-2020 02:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774012 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.400	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	626	308	0.492	0.01		
3.575	762	665	0.873	0.02		
3.977	6898	6484	0.940	0.21		
4.192	1666	1389	0.834	0.05		
4.257	511	364	0.712	0.01		
4.288	2963	1866	0.630	0.09		
4.445	540	318	0.589	0.01		
4.480	994	362	0.364	0.03		
4.682	215934	179182	0.830	6.72	\$ 2 Tetrachloro-m-xylene	
4.778	5266	4089	0.776	0.16		
4.798	7791	5418	0.695	0.24		
4.940	10280	6520	0.634	0.32		
5.027	2409	1622	0.673	0.07		
5.135	4025	3156	0.784	0.12		
5.203	8807	6384	0.725	0.27	3 Aroclor 1242	
5.298	16267	10475	0.644	0.50		
5.380	1167	632	0.542	0.03		
5.445	9128	6526	0.715	0.28		
5.618	17948	7981	0.445	0.55	3 Aroclor 1242	
5.682	1698	1159	0.683	0.05		
5.735	12378	10157	0.821	0.38		
5.828	16985	14691	0.865	0.52		
5.863	3783	2948	0.779	0.11		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.955	34450	30500	0.885	1.07	
5.983	32073	27071	0.844	0.99	
6.042	27803	28546	1.027	0.86	3 Aroclor 1242
6.062	58548	46283	0.791	1.82	
6.175	14894	7856	0.527	0.46	
6.223	2039	1889	0.927	0.06	
6.277	9183	8272	0.901	0.28	3 Aroclor 1242
6.308	9356	8405	0.898	0.29	
6.352	106066	96180	0.907	3.30	
6.392	120233	107581	0.895	3.74	
6.423	93877	77123	0.822	2.92	
6.587	94291	83988	0.891	2.93	
6.625	54121	47184	0.872	1.68	
6.690	77189	63125	0.818	2.40	
6.815	24029	20757	0.864	0.74	
6.843	18688	16333	0.874	0.58	
6.893	54482	47647	0.875	1.69	3 Aroclor 1242
6.932	132444	114268	0.863	4.12	3 Aroclor 1242
6.992	25855	23839	0.922	0.80	
7.023	32680	30568	0.935	1.01	
7.070	93429	78459	0.840	2.90	
7.118	99707	86718	0.870	3.10	
7.153	37299	21874	0.586	1.16	
7.207	2890	2846	0.985	0.08	
7.248	12209	11562	0.947	0.38	
7.310	135244	98196	0.726	4.21	16 Aroclor 1254
7.337	60047	56365	0.939	1.86	
7.383	58238	56413	0.969	1.81	
7.423	177276	141961	0.801	5.51	16 Aroclor 1254
7.498	17917	10226	0.571	0.55	
7.562	87607	65642	0.749	2.72	16 Aroclor 1254
7.582	109430	98952	0.904	3.40	
7.658	22782	20290	0.891	0.70	
7.702	99715	84231	0.845	3.10	28 Aroclor 1260
7.837	96109	59269	0.617	2.99	16 Aroclor 1254
7.883	8902	7698	0.865	0.27	
7.915	8820	8202	0.930	0.27	
7.958	146221	94176	0.644	4.55	16 Aroclor 1254
8.017	57237	52514	0.917	1.78	28 Aroclor 1260
8.055	16565	15107	0.912	0.51	
8.118	7815	4941	0.632	0.24	
8.170	2395	2582	1.078	0.07	
8.215	40662	21777	0.536	1.26	16 Aroclor 1254
8.282	13362	12980	0.971	0.41	
8.325	22027	14337	0.651	0.68	
8.400	69666	56749	0.815	2.16	28 Aroclor 1260
8.453	839	941	1.121	0.02	
8.515	964	957	0.992	0.03	
8.557	7136	6458	0.905	0.22	
8.640	1126	1005	0.892	0.03	
8.692	59555	26804	0.450	1.85	
8.827	902	788	0.873	0.02	
8.885	2480	1397	0.563	0.07	
8.945	1460	972	0.666	0.04	
9.058	7759	4981	0.642	0.24	28 Aroclor 1260
9.190	13439	9588	0.713	0.41	28 Aroclor 1260
9.330	2417	1743	0.721	0.07	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.415	3900	2131	0.546	0.12	
9.532	5458	2263	0.415	0.16	
9.695	2712	1039	0.383	0.08	
9.835	222571	134674	0.605	7.35	\$ 42 Decachlorobiphenyl
10.033	677	405	0.598	0.02	
10.442	2244	795	0.354	0.06	
11.413	1836	802	0.437	0.05	
	3212171	2541921		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713117.d
Lab Smp Id: 40209774012 Client Smp ID: PAS-BS-442
Inj Date : 15-JUL-2020 02:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774012 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.400	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.681	4.660	0.021	215934	0.04348	65			
3 Aroclor 1242					CAS #: 53469-21-9			
5.203	5.179	0.024	8807	0.11867	180	0.00-	20.00	100.00
5.618	5.597	0.021	17947	0.12975	190	0.00-	20.00	203.78
6.041	6.021	0.020	27803	0.21259	320	0.00-	20.00	315.69
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00
6.276	6.257	0.019	9182	0.10377	150	0.00-	20.00	104.26
6.893	6.876	0.017	54482	0.49294	740	0.00-	20.00	618.62
6.931	6.916	0.015	132443	0.99854	1500	0.00-	20.00	1503.84
Average of Peak Concentrations =					510			

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	135243	0.72679	1100	0.00-	20.00	0.00	
7.423	7.409	0.014	177276	0.46672	700	0.00-	20.00	0.00	
7.561	7.568	-0.007	87607	0.33193	500	0.00-	20.00	0.00	
7.836	7.822	0.014	96108	0.58539	870	0.00-	20.00	0.00	
7.958	7.947	0.011	146221	0.44381	660	0.00-	20.00	0.00	
8.215	8.200	0.015	40661	0.43431	650	0.00-	20.00	0.00	
Average of Peak Concentrations =					740				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	87607	0.35016	520	0.00-	20.00	100.00	
7.701	7.688	0.013	99714	0.37205	560	0.00-	20.00	113.82	
8.016	8.002	0.014	57236	0.25274	380	0.00-	20.00	65.33	
8.215	8.214	0.001	40661	0.17184	260	0.00-	20.00	46.41	
8.400	8.384	0.016	69666	0.14740	220	0.00-	20.00	79.52	
9.058	9.040	0.018	7758	0.10157	150	0.00-	20.00	8.86	
9.190	9.171	0.019	13439	0.08836	130	0.00-	20.00	15.34	
Average of Peak Concentrations =					320				

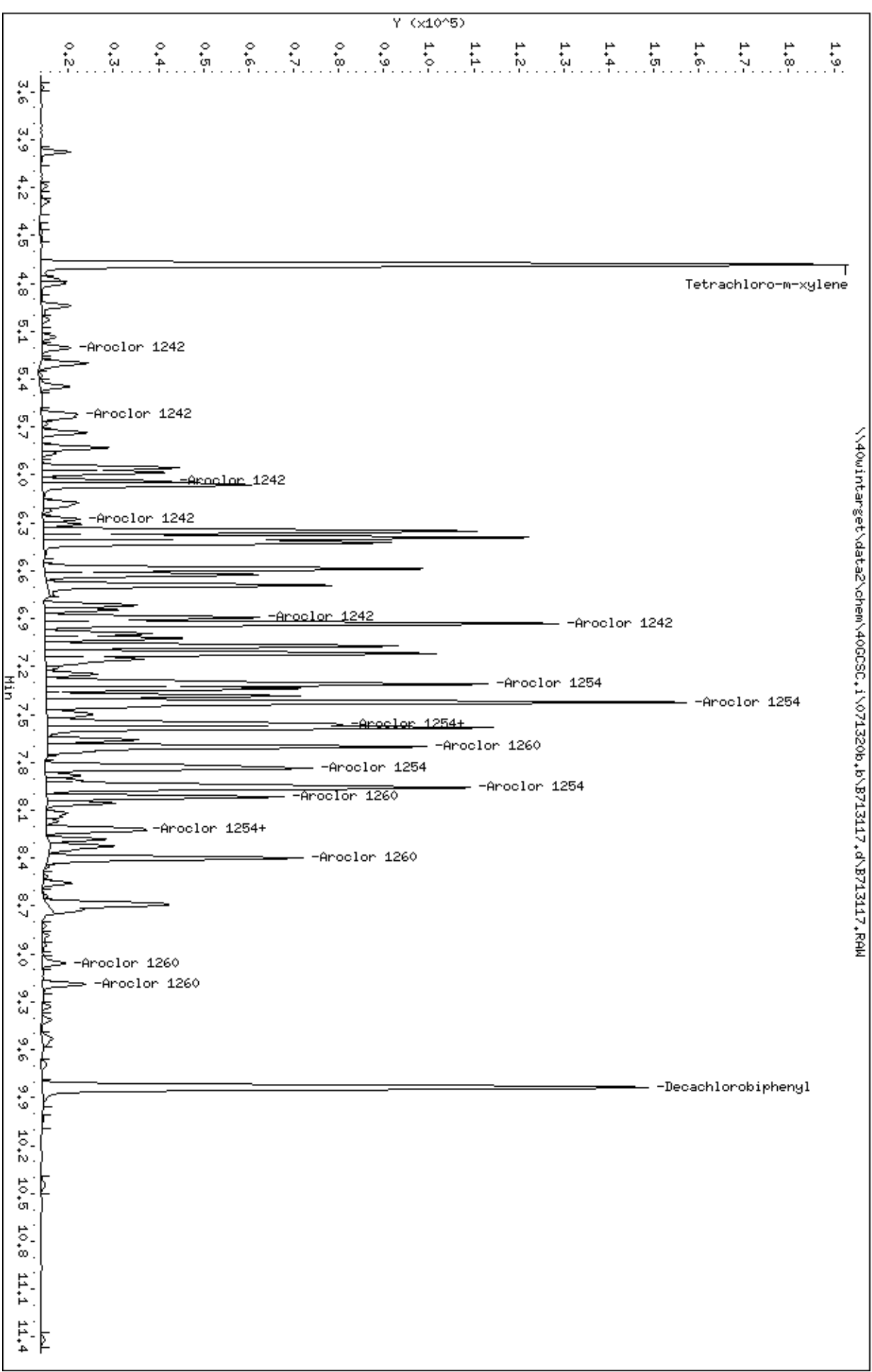
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	222571	0.04220	63				

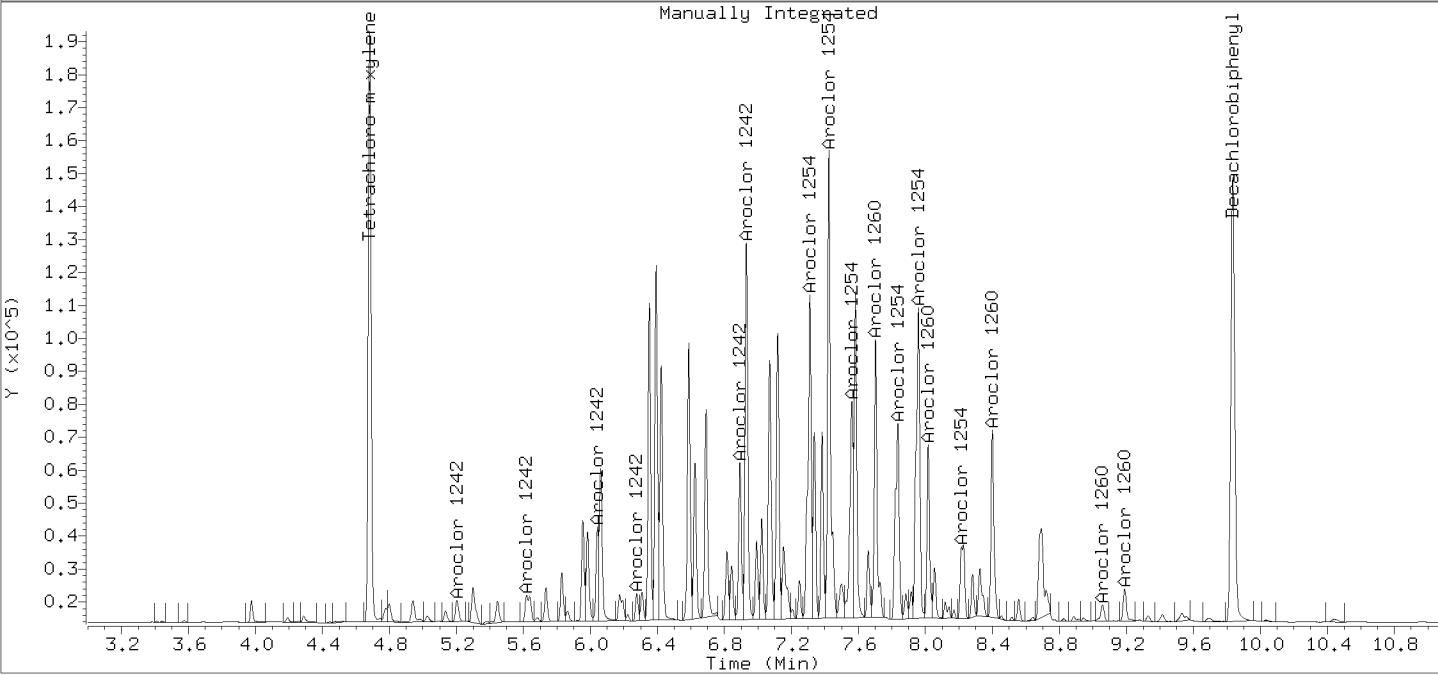
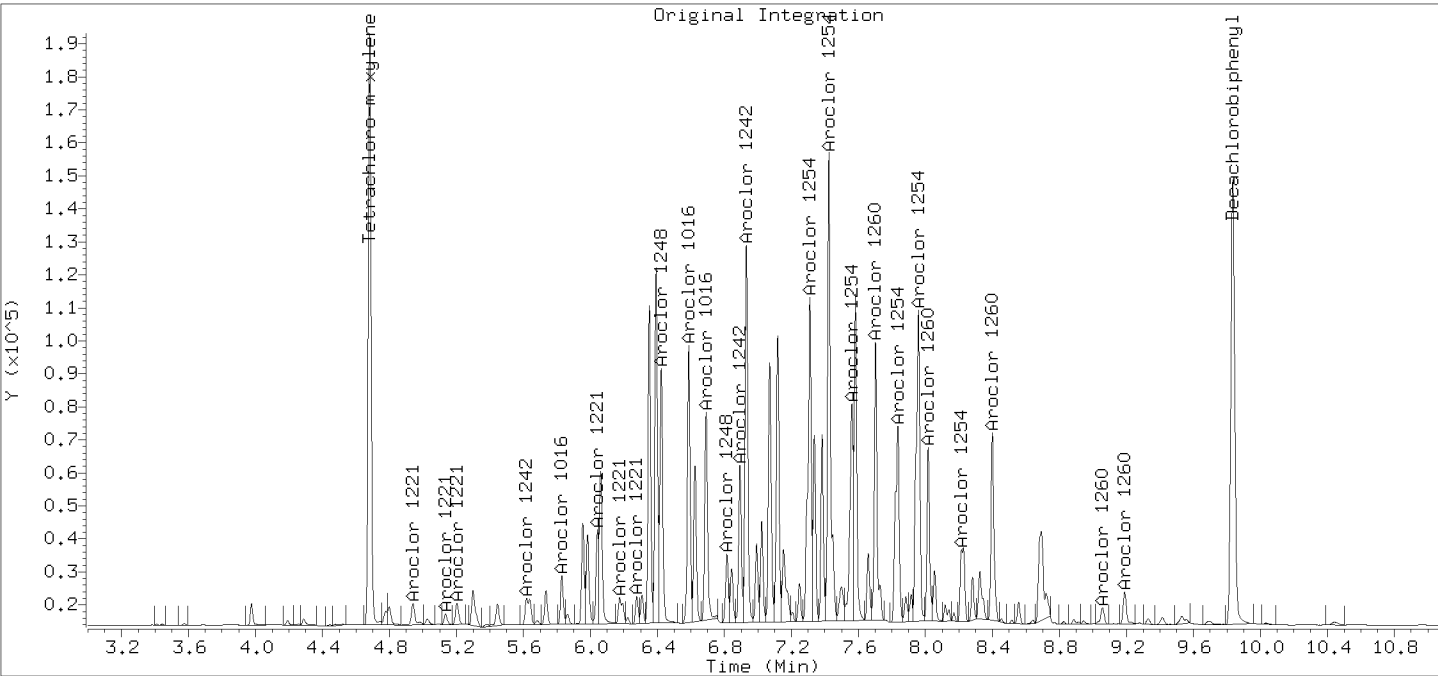
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713117.d
Date : 15-JUL-2020 02:06
Client ID: PAS-B8-442
Sample Info: 40209774012 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1016	8807	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	
Aroclor 1221	10279	0	

Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1232	10279	0
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1242	8807	8807
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1248	27803	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Aroclor 1260	87607	87607
Tetrachloro-m-xylene	215934	215934
Decachlorobiphenyl	222571	222571
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-546

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 40209774013

Date Analyzed: 07/15/2020 02:29

Lab File ID: 071320A.BIA713118.D

Initial wt/vol: 18.5411 Final wt/vol: 10 mL Dilution: 2

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	86.4	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	299	
11096-82-5	PCB-1260 (Aroclor 1260)	82.2	
1336-36-3	PCB, Total	467	

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713118.d
Lab Smp Id: 40209774013 Client Smp ID: PAS-BS-546
Inj Date : 15-JUL-2020 02:29
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774013 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.541	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.215	3100	2439	0.787	0.08		
3.528	507	216	0.426	0.01		
3.653	779	672	0.862	0.02		
4.128	3423	1728	0.505	0.09		
4.295	930	510	0.548	0.02		
4.382	3694	2140	0.579	0.10		
4.670	2078	1381	0.664	0.06		
4.702	4125	2739	0.664	0.11		
4.747	239830	170421	0.711	6.94	\$ 2 Tetrachloro-m-xylene	
4.927	1068	344	0.322	0.03		
5.067	1606	1163	0.724	0.04		
5.100	3037	1852	0.610	0.08		
5.147	3770	2252	0.597	0.10	3 Aroclor 1242	BA
5.198	5592	3062	0.548	0.16		
5.290	3963	2814	0.710	0.11		
5.365	26425	18455	0.698	0.76		
5.442	17007	10048	0.591	0.49		
5.543	8426	3420	0.406	0.24		
5.658	6776	4514	0.666	0.19		
5.725	9758	5949	0.610	0.28		
5.800	2462	1899	0.771	0.07		
5.845	584	396	0.678	0.01		
5.930	25851	13020	0.504	0.74		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.982	11005	10025	0.911	0.31	3 Aroclor 1242
6.003	32081	19804	0.617	0.92	3 Aroclor 1242
6.055	5912	3967	0.671	0.17	
6.095	1236	927	0.750	0.03	
6.130	3538	2865	0.810	0.10	
6.155	6237	4628	0.742	0.18	
6.190	5108	3400	0.666	0.14	3 Aroclor 1242
6.290	129758	55055	0.424	3.75	
6.347	52698	37254	0.707	1.52	
6.413	1201	763	0.635	0.03	
6.495	78257	43062	0.550	2.26	
6.570	31925	24698	0.774	0.92	
6.607	23966	14199	0.592	0.69	
6.698	11003	7821	0.711	0.31	
6.745	3804	3068	0.807	0.11	
6.780	12868	9529	0.741	0.37	
6.815	41001	33777	0.824	1.18	3 Aroclor 1242
6.852	34456	30014	0.871	0.99	3 Aroclor 1242
6.873	76642	46043	0.601	2.21	
6.978	29768	22821	0.767	0.86	
7.017	91334	65288	0.715	2.64	
7.052	62850	49077	0.781	1.82	
7.122	12574	6155	0.489	0.36	
7.187	25794	18759	0.727	0.74	
7.207	35116	30640	0.873	1.01	16 Aroclor 1254
7.235	777645	691616	0.889	23.07	16 Aroclor 1254
7.277	44839	36376	0.811	1.29	
7.333	105992	89976	0.849	3.06	16 Aroclor 1254
7.365	38547	25417	0.659	1.11	
7.412	29585	13102	0.443	0.85	
7.467	55762	45542	0.817	1.61	28 Aroclor 1260
7.500	15079	10479	0.695	0.43	
7.537	78190	59784	0.765	2.26	16 Aroclor 1254
7.558	19800	17277	0.873	0.57	
7.620	22073	19152	0.868	0.63	
7.662	78045	76156	0.976	2.26	28 Aroclor 1260
7.682	119423	98549	0.825	3.45	
7.747	61192	36602	0.598	1.77	16 Aroclor 1254
7.795	7505	6252	0.833	0.21	
7.830	8841	7530	0.852	0.25	
7.870	136530	96056	0.704	3.95	16 Aroclor 1254
7.943	68698	57013	0.830	1.98	28 Aroclor 1260
7.977	27672	15652	0.566	0.80	
8.045	4781	3817	0.798	0.13	
8.078	24137	17029	0.706	0.69	16 Aroclor 1254
8.122	22105	18129	0.820	0.64	28 Aroclor 1260
8.152	18346	14490	0.790	0.53	
8.188	8288	5955	0.719	0.24	
8.252	11273	8353	0.741	0.32	
8.288	26990	17816	0.660	0.78	
8.338	61607	51171	0.831	1.78	28 Aroclor 1260
8.368	9486	7654	0.807	0.27	
8.402	13946	10079	0.723	0.40	
8.488	253	157	0.619	0.00	
8.565	46260	25496	0.551	1.33	
8.617	16208	8991	0.555	0.46	
8.777	2550	1639	0.643	0.07	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.828	1844	1108	0.601	0.05	
8.867	6086	4096	0.673	0.17	28 Aroclor 1260
8.908	5306	3504	0.660	0.15	
9.003	879	492	0.560	0.02	
9.083	11943	7991	0.669	0.34	28 Aroclor 1260
9.138	2220	1335	0.601	0.06	
9.220	559	297	0.531	0.01	
9.257	530	334	0.631	0.01	
9.315	1095	702	0.641	0.03	
9.362	4822	2885	0.598	0.13	
9.512	237	97	0.409	0.00	
9.563	237993	141957	0.596	6.89	\$ 42 Decachlorobiphenyl
9.752	2046	1083	0.529	0.05	
9.837	2729	519	0.190	0.07	
9.977	4107	1108	0.270	0.11	
10.112	2726	552	0.202	0.07	
10.210	2628	813	0.309	0.07	
10.302	1914	373	0.195	0.05	
10.417	698	237	0.339	0.02	
10.465	1057	301	0.285	0.03	
10.573	4621	1157	0.250	0.13	
	3452614	2559321		100.000	

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713118.d
Lab Smp Id: 40209774013 Client Smp ID: PAS-BS-546
Inj Date : 15-JUL-2020 02:29
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774013 x2
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.541	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.746	4.726	0.020	239830	0.04128	44				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	3770	0.04839	52	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.981	5.960	0.021	11005	0.08346	90	0.00-	20.00	291.91	BA
6.003	5.982	0.021	32080	0.13941	150	0.00-	20.00	850.93	BA
6.190	6.169	0.021	5107	0.04897	53	0.00-	20.00	135.46	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					86				

			CONCENTRATIONS							
			ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====		=====	=====	
4 Aroclor 1232					CAS #: 1114-16-5					
Operator disabled compound identification.										

7 Aroclor 1016					CAS #: 12674-11-2					
Operator disabled compound identification.										

12 Aroclor 1248					CAS #: 12672-29-6					
Operator disabled compound identification.										

16 Aroclor 1254					CAS #: 11097-69-1					
7.206	7.193	0.013	35115	0.31167	340	0.00-	20.00	100.00 (M)	CO	
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
7.333	7.320	0.013	105991	0.29034	310	0.00-	20.00	301.84	CO	
7.536	7.524	0.012	78190	0.27805	300	0.00-	20.00	222.67	CO	
7.746	7.733	0.013	61192	0.27587	300	0.00-	20.00	174.26	CO	
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
8.078	8.066	0.012	24137	0.22785	240	0.00-	20.00	68.74	CO	
Average of Peak Concentrations =					300					

28 Aroclor 1260					CAS #: 11096-82-5					
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO	
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
8.121	8.108	0.013	22105	0.08548	92	0.00-	20.00	0.00	CO	
8.338	8.325	0.013	61607	0.10067	110	0.00-	20.00	0.00	CO	
8.866	8.850	0.016	6086	0.05704	62	0.00-	20.00	0.00	CO	
9.083	9.068	0.015	11942	0.06146	66	0.00-	20.00	0.00	CO	
Average of Peak Concentrations =					82					

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3					
9.563	9.546	0.017	237992	0.04116	44			(M)	BA	

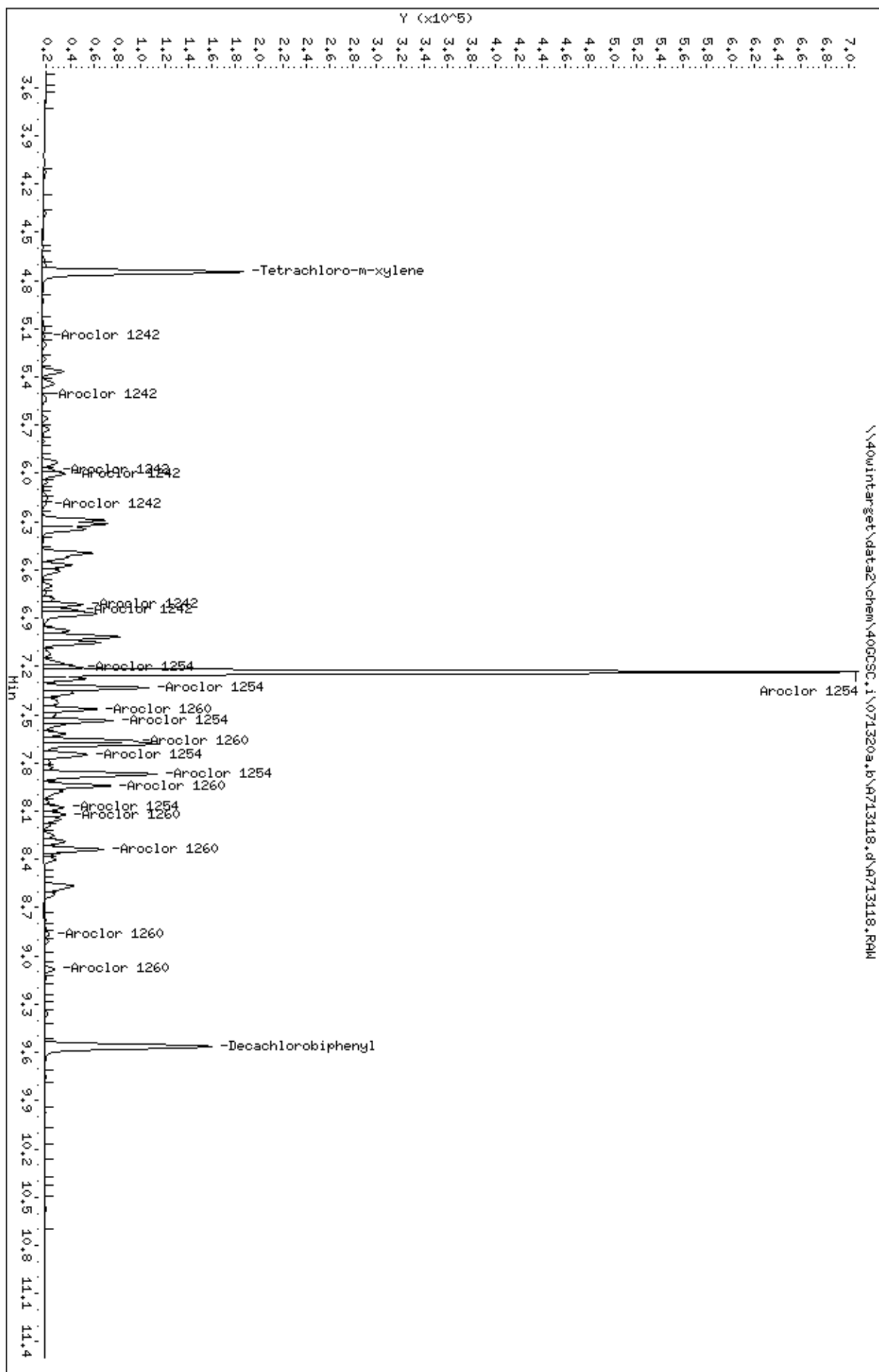
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

- :
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

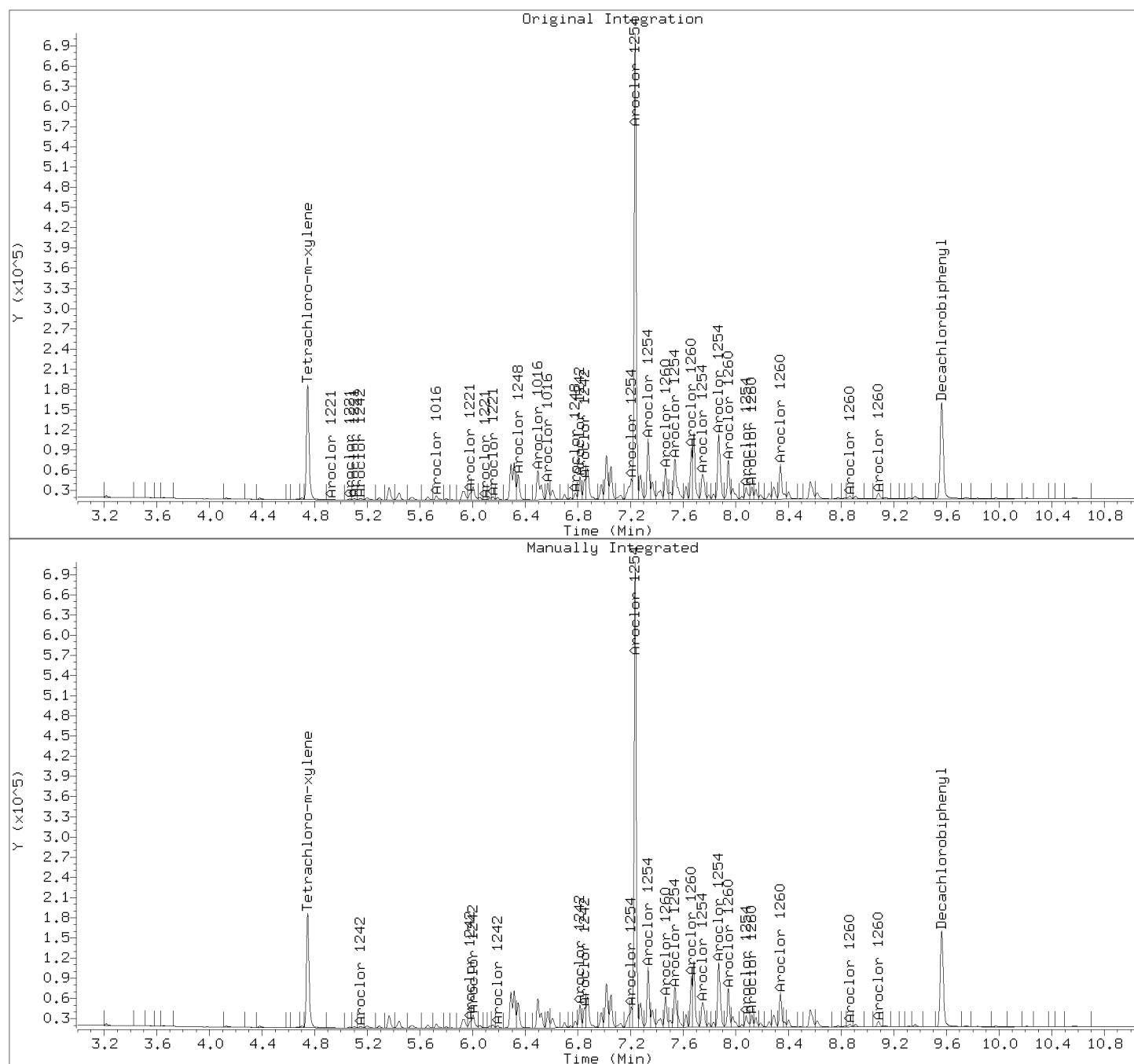
Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713118.d
 Date : 15-JUL-2020 02:29
 Client ID: PAS-B8-546
 Sample Info: 40209774013 x2
 Volume Injected (uL): 1.0
 Column phase: Rtx-CLP
 Instrument: 40GCSC.i
 Operator: BLH
 Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 40209774013



Manually Integrated Compounds

[illegible]

Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1232	1026	0	
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1242	3656	3770	BA
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1248	10325	0	
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1254	58314	35115	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Aroclor 1260	55805	0	CO
Tetrachloro-m-xylene	239830	239830	
Decachlorobiphenyl	244531	237992	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713118.d
Lab Smp Id: 40209774013 Client Smp ID: PAS-BS-546
Inj Date : 15-JUL-2020 02:29
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774013 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.541	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	565	321	0.568	0.01		
3.573	939	902	0.960	0.03		
3.977	2475	2086	0.843	0.08		
4.192	1140	909	0.798	0.03		
4.257	802	673	0.839	0.02		
4.288	3905	2862	0.733	0.13		
4.445	752	438	0.582	0.02		
4.480	1312	534	0.407	0.04		
4.682	216565	181411	0.838	7.26	\$ 2 Tetrachloro-m-xylene	
4.780	9333	3747	0.401	0.31		
4.940	8551	6387	0.747	0.28		
5.028	2752	1788	0.650	0.09		
5.135	2431	1658	0.682	0.08		
5.205	9211	5564	0.604	0.30	3 Aroclor 1242	
5.298	27808	19713	0.709	0.93		
5.378	824	425	0.516	0.02		
5.445	4723	3230	0.684	0.15		
5.618	7797	3647	0.468	0.26	3 Aroclor 1242	
5.682	576	376	0.653	0.01		
5.735	5936	4953	0.834	0.19		
5.830	10572	7768	0.735	0.35		
5.955	13533	11866	0.877	0.45		
5.983	11178	9194	0.823	0.37		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.062	38167	21807	0.571	1.28	3 Aroclor 1242
6.175	7859	3589	0.457	0.26	
6.277	4003	3862	0.965	0.13	3 Aroclor 1242
6.308	4370	4138	0.947	0.14	
6.352	59538	53609	0.900	1.99	
6.392	62739	56212	0.896	2.10	
6.423	46983	38570	0.821	1.57	
6.588	49149	43404	0.883	1.64	
6.625	26014	23167	0.891	0.87	
6.690	46562	35064	0.753	1.56	
6.815	11787	10388	0.881	0.39	
6.843	11080	10104	0.912	0.37	
6.893	32533	28054	0.862	1.09	3 Aroclor 1242
6.932	81049	70713	0.872	2.71	3 Aroclor 1242
6.992	14478	13483	0.931	0.48	
7.023	20358	19225	0.944	0.68	
7.072	72245	54858	0.759	2.42	
7.118	62195	54932	0.883	2.08	
7.162	31205	18223	0.584	1.04	
7.207	8367	7997	0.956	0.28	
7.247	8463	6589	0.779	0.28	
7.312	721172	641099	0.889	24.58	16 Aroclor 1254
7.383	37094	34682	0.935	1.24	
7.423	129129	91680	0.710	4.33	16 Aroclor 1254
7.498	11977	7287	0.608	0.40	
7.527	2611	3611	1.383	0.08	
7.562	62457	50968	0.816	2.09	16 Aroclor 1254
7.583	69796	62615	0.897	2.34	
7.658	19984	18214	0.911	0.67	
7.703	85116	73301	0.861	2.85	28 Aroclor 1260
7.730	86070	85719	0.996	2.88	
7.828	26121	28468	1.090	0.87	16 Aroclor 1254
7.837	37724	37820	1.003	1.26	
7.883	5062	4812	0.951	0.16	
7.915	5543	5498	0.992	0.18	
7.958	118482	75004	0.633	3.97	16 Aroclor 1254
8.017	53060	51847	0.977	1.77	28 Aroclor 1260
8.055	13551	12257	0.905	0.45	
8.118	2746	3226	1.175	0.09	
8.142	1484	1951	1.315	0.04	
8.170	4986	5093	1.022	0.16	
8.228	31200	17563	0.563	1.04	16 Aroclor 1254
8.282	10155	10126	0.997	0.34	
8.327	16426	9616	0.585	0.55	
8.402	57934	45110	0.779	1.94	28 Aroclor 1260
8.455	669	772	1.155	0.02	
8.517	637	651	1.022	0.02	
8.558	15797	14159	0.896	0.52	
8.640	719	596	0.829	0.02	
8.685	49340	23111	0.468	1.65	
8.827	531	442	0.832	0.01	
8.888	1863	1216	0.653	0.06	
8.947	1499	1067	0.712	0.05	
9.033	678	787	1.160	0.02	28 Aroclor 1260
9.060	4940	3426	0.693	0.16	
9.190	10534	7263	0.689	0.35	28 Aroclor 1260
9.332	4919	3551	0.722	0.16	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.415	2224	1150	0.517	0.07	
9.532	4342	2050	0.472	0.14	
9.693	1387	579	0.417	0.04	
9.837	222871	133262	0.598	7.47	\$ 42 Decachlorobiphenyl
10.453	3092	1146	0.371	0.10	
10.965	1036	494	0.477	0.03	
11.417	1851	790	0.427	0.06	
	2981631	2422519		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713118.d
Lab Smp Id: 40209774013 Client Smp ID: PAS-BS-546
Inj Date : 15-JUL-2020 02:29
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774013 x2
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	18.541	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	216564	0.04361	47								
3 Aroclor 1242										CAS #: 53469-21-9			
5.205	5.179	0.026	9210	0.12410	130	0.00-	20.00	100.00					
5.618	5.597	0.021	7796	0.05636	61	0.00-	20.00	84.65					
0.000	6.021	-6.021	0	0.00	0.00	0.00-	20.00	0.00					
6.061	6.040	0.021	38166	0.17780	190	0.00-	20.00	414.40					
6.276	6.257	0.019	4003	0.04524	49	0.00-	20.00	43.46					
6.893	6.876	0.017	32533	0.29435	320	0.00-	20.00	353.24					
6.931	6.916	0.015	81048	0.61105	660	0.00-	20.00	880.00					
Average of Peak Concentrations =					240								

			CONCENTRATIONS										
			ON-COL		FINAL								
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE				
====	=====	=====	=====	=====	=====	=====	=====	=====	=====				
4 Aroclor 1232			CAS #: 1114-16-5										
Operator disabled compound identification.													

7 Aroclor 1016			CAS #: 12674-11-2										
Operator disabled compound identification.													

12 Aroclor 1248			CAS #: 12672-29-6										
Operator disabled compound identification.													

16 Aroclor 1254			CAS #: 11097-69-1										
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00					
7.311	7.322	-0.011	721171	3.87552	4200	0.00-	20.00	0.00					
7.423	7.409	0.014	129129	0.33996	370	0.00-	20.00	0.00					
7.561	7.568	-0.007	62457	0.23664	260	0.00-	20.00	0.00					
7.828	7.822	0.006	26120	0.15909	170	0.00-	20.00	0.00					
7.958	7.947	0.011	118482	0.35962	390	0.00-	20.00	0.00					
8.228	8.200	0.028	31199	0.33324	360	0.00-	20.00	0.00					
Average of Peak Concentrations =					950								

28 Aroclor 1260			CAS #: 11096-82-5										
7.561	7.548	0.013	62457	0.24963	270	0.00-	20.00	100.00					
7.703	7.688	0.015	85115	0.31757	340	0.00-	20.00	136.28					
8.016	8.002	0.014	53060	0.23430	250	0.00-	20.00	84.95					
8.228	8.214	0.014	31199	0.13185	140	0.00-	20.00	49.95					
8.401	8.384	0.017	57933	0.12257	130	0.00-	20.00	92.76					
9.033	9.040	-0.007	678	0.00888	9.6	0.00-	20.00	1.09					
9.190	9.171	0.019	10533	0.06926	75	0.00-	20.00	16.86					
Average of Peak Concentrations =					170								

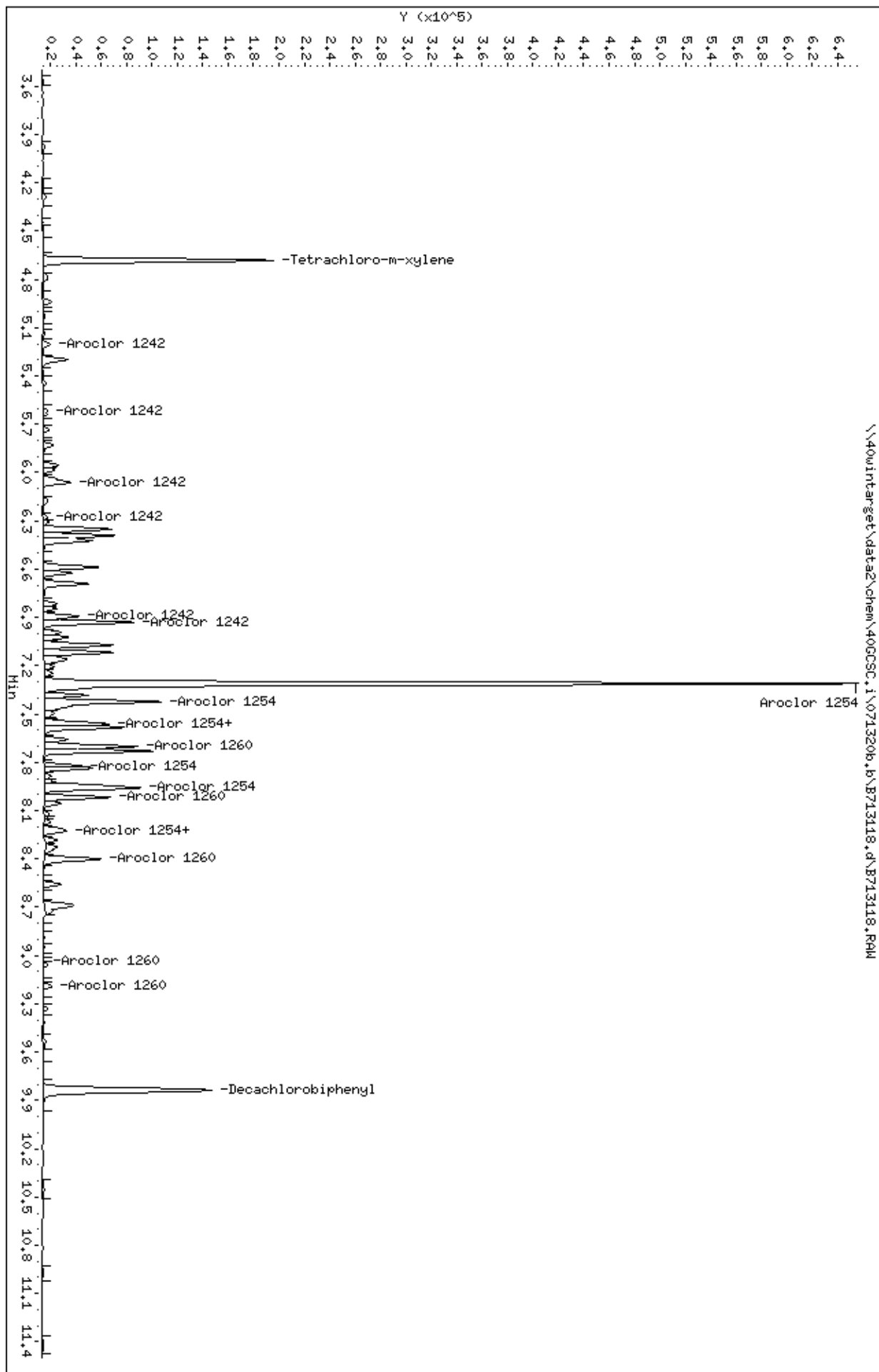
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3										
9.836	9.812	0.024	222870	0.04226	46								

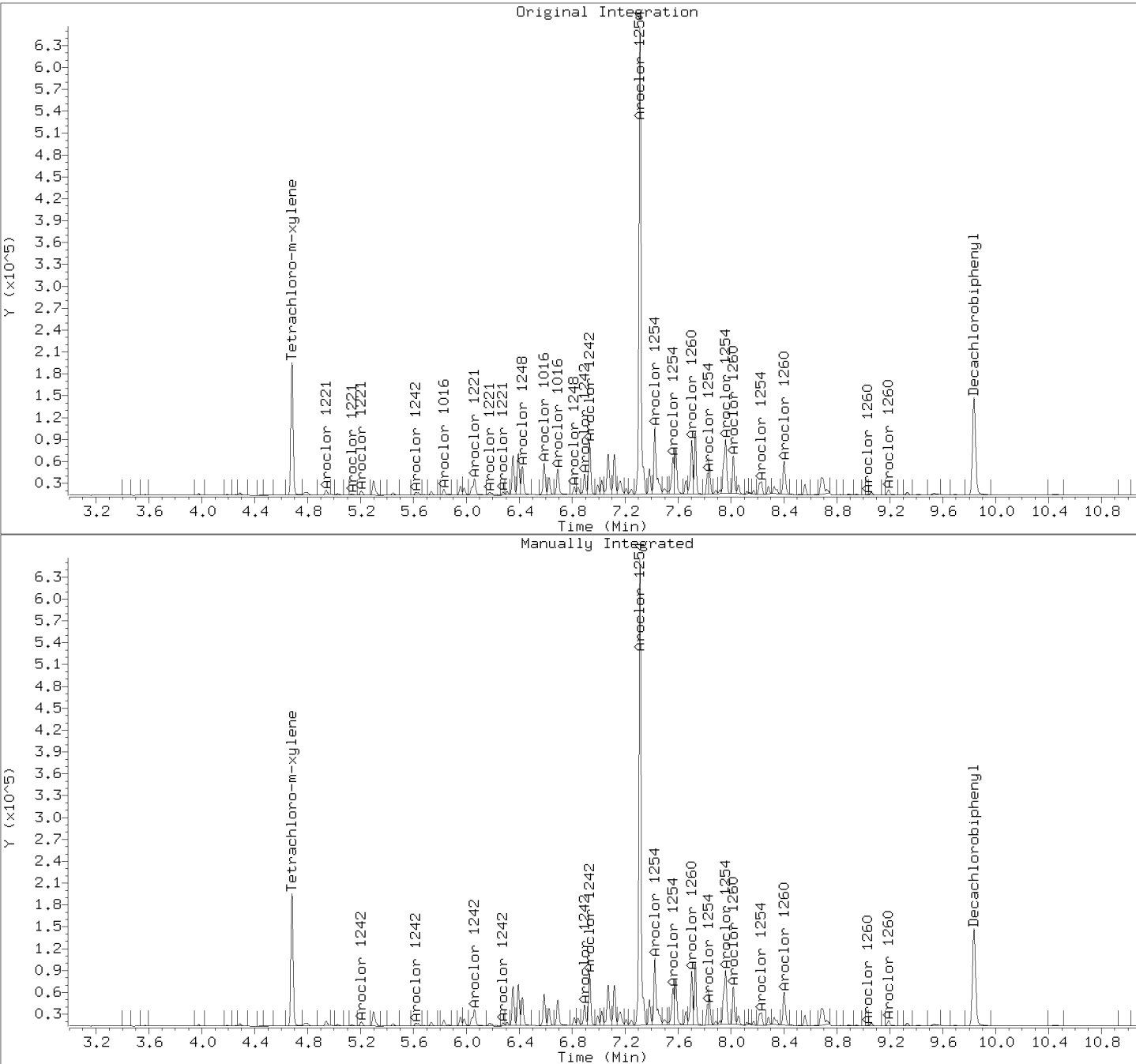
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713118.d
Date : 15-JUL-2020 02:29
Client ID: PAS-B8-546
Sample Info: 40209774013 x2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1016	9210	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	
Aroclor 1221	8550	0	

Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1232	8550	0
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1242	9210	9210
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Aroclor 1260	62457	62457
Tetrachloro-m-xylene	216564	216564
Decachlorobiphenyl	222870	222870
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-547

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 02:51
Initial wt/vol: 17.9109 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774014
Lab File ID: 071320A.BIA713119.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	115	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	206	
11096-82-5	PCB-1260 (Aroclor 1260)	57.3	
1336-36-3	PCB, Total	379	

07/15/2020 1:42

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713119.d
Lab Smp Id: 40209774014 Client Smp ID: PAS-BS-547
Inj Date : 15-JUL-2020 02:51
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774014
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.911	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	2358	1884	0.799	0.05		
3.177	2580	2546	0.987	0.05		
3.215	2945	2337	0.794	0.06		
3.552	2036	1370	0.673	0.04		
3.653	6847	6052	0.884	0.14		
3.805	1057	695	0.657	0.02		
3.927	1427	1031	0.722	0.03		
4.057	798	265	0.332	0.01		
4.127	36647	27419	0.748	0.79		
4.295	1295	698	0.539	0.02		
4.382	6177	3105	0.503	0.13		
4.600	1576	1254	0.795	0.03		
4.668	7191	5076	0.706	0.15		
4.702	13202	9222	0.699	0.28		
4.747	471820	343421	0.728	10.29	\$ 2 Tetrachloro-m-xylene	
4.928	2501	1233	0.493	0.05		
5.065	3447	2512	0.729	0.07		
5.098	10229	6226	0.609	0.22		
5.147	17276	10390	0.601	0.37	3 Aroclor 1242	
5.197	8863	4598	0.519	0.19		
5.288	13476	9344	0.693	0.29		
5.365	40629	28563	0.703	0.88		
5.440	29454	18812	0.639	0.64		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.543	22947	9743	0.425	0.50	
5.658	20010	13460	0.673	0.43	
5.723	25738	15952	0.620	0.56	
5.798	3154	2465	0.782	0.06	
5.842	979	726	0.742	0.02	
5.933	47252	24300	0.514	1.03	
5.978	25899	22142	0.855	0.56	3 Aroclor 1242
6.002	64444	41717	0.647	1.40	3 Aroclor 1242
6.053	9115	6355	0.697	0.19	
6.093	2083	1621	0.778	0.04	
6.127	9665	7461	0.772	0.21	
6.153	9930	7507	0.756	0.21	
6.187	13264	9050	0.682	0.28	3 Aroclor 1242
6.288	89073	73775	0.828	1.94	
6.313	92667	72433	0.782	2.02	
6.345	69772	51975	0.745	1.52	
6.412	1517	923	0.608	0.03	
6.493	75815	61859	0.816	1.65	
6.520	38652	31296	0.810	0.84	
6.570	46577	35813	0.769	1.01	
6.605	33140	20258	0.611	0.72	
6.697	16885	11815	0.700	0.36	
6.743	6556	5190	0.792	0.14	
6.778	24084	18507	0.768	0.52	
6.813	55138	46079	0.836	1.20	
6.850	49925	43626	0.874	1.08	3 Aroclor 1242
6.872	108621	66599	0.613	2.36	
6.977	34891	28481	0.816	0.76	
7.015	125203	90100	0.720	2.73	
7.050	85757	65453	0.763	1.87	
7.120	13942	7495	0.538	0.30	
7.185	30480	21524	0.706	0.66	
7.205	47927	40828	0.852	1.04	16 Aroclor 1254
7.233	582981	526975	0.904	13.20	16 Aroclor 1254
7.275	56855	47502	0.835	1.23	
7.332	138765	118570	0.854	3.02	16 Aroclor 1254
7.362	40572	29786	0.734	0.88	
7.427	40126	17368	0.433	0.87	
7.465	72139	59621	0.826	1.57	28 Aroclor 1260
7.500	20241	14004	0.692	0.44	
7.537	104225	83504	0.801	2.27	16 Aroclor 1254
7.557	20018	15389	0.769	0.43	
7.620	28899	25149	0.870	0.63	
7.660	115772	104611	0.904	2.52	28 Aroclor 1260
7.680	96354	83595	0.868	2.10	
7.745	82368	50549	0.614	1.79	16 Aroclor 1254
7.793	9856	8119	0.824	0.21	
7.828	11259	9904	0.880	0.24	
7.868	177290	126220	0.712	3.86	16 Aroclor 1254
7.942	88145	74990	0.851	1.92	28 Aroclor 1260
7.975	34761	20656	0.594	0.75	
8.043	6658	5222	0.784	0.14	
8.077	31789	22912	0.721	0.69	16 Aroclor 1254
8.120	29446	23365	0.793	0.64	28 Aroclor 1260
8.150	23200	18412	0.794	0.50	
8.187	10808	8080	0.748	0.23	
8.250	15688	11879	0.757	0.34	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.287	35874	24365	0.679	0.78	
8.337	83098	67351	0.811	1.81	28 Aroclor 1260
8.368	12141	10480	0.863	0.26	
8.400	16972	12064	0.711	0.37	
8.492	520	281	0.541	0.01	
8.565	62116	34270	0.552	1.35	
8.617	21487	12487	0.581	0.46	
8.775	3497	2265	0.648	0.07	
8.827	2566	1503	0.586	0.05	
8.865	8146	5610	0.689	0.17	28 Aroclor 1260
8.907	6574	4475	0.681	0.14	
9.002	997	565	0.567	0.02	
9.083	16376	10947	0.668	0.35	28 Aroclor 1260
9.137	3324	1930	0.581	0.07	
9.220	696	381	0.547	0.01	
9.255	811	482	0.594	0.01	
9.313	1183	760	0.642	0.02	
9.360	7297	4370	0.599	0.15	
9.562	462374	271256	0.587	10.08	\$ 42 Decachlorobiphenyl
9.750	3641	1617	0.444	0.07	
9.835	2804	959	0.342	0.06	
9.975	2748	1399	0.509	0.05	
10.112	1218	443	0.364	0.02	
10.210	1281	610	0.476	0.02	
10.570	4251	1726	0.406	0.09	
	4585139	3423559		100.000	

Total unknown % area = 41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713119.d
Lab Smp Id: 40209774014 Client Smp ID: PAS-BS-547
Inj Date : 15-JUL-2020 02:51
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774014
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.911	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.746	4.726	0.020	471819	0.08122	45				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	17275	0.22173	120	0.00-	20.00	100.00 (M)	
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	
5.978	5.960	0.018	25899	0.19642	110	0.00-	20.00	149.92	
6.001	5.982	0.019	64444	0.28005	160	0.00-	20.00	373.05	
6.186	6.169	0.017	13263	0.12718	71	0.00-	20.00	76.78	
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	
Average of Peak Concentrations =					120				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(	)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.205	7.193	0.012	47927	0.42538	240	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.331	7.320	0.011	138765	0.38011	210	0.00-	20.00	289.53	CO
7.536	7.524	0.012	104224	0.37063	210	0.00-	20.00	217.46	CO
7.745	7.733	0.012	82368	0.37133	210	0.00-	20.00	171.86	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.076	8.066	0.010	31788	0.30007	170	0.00-	20.00	66.33	CO
Average of Peak Concentrations =					210				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	29445	0.11386	64	0.00-	20.00	0.00	CO
8.336	8.325	0.011	83097	0.13579	76	0.00-	20.00	0.00	CO
8.865	8.850	0.015	8145	0.07634	43	0.00-	20.00	0.00	CO
9.083	9.068	0.015	16376	0.08428	47	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					57				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.561	9.546	0.015	462374	0.07996	45				

QC Flag Legend

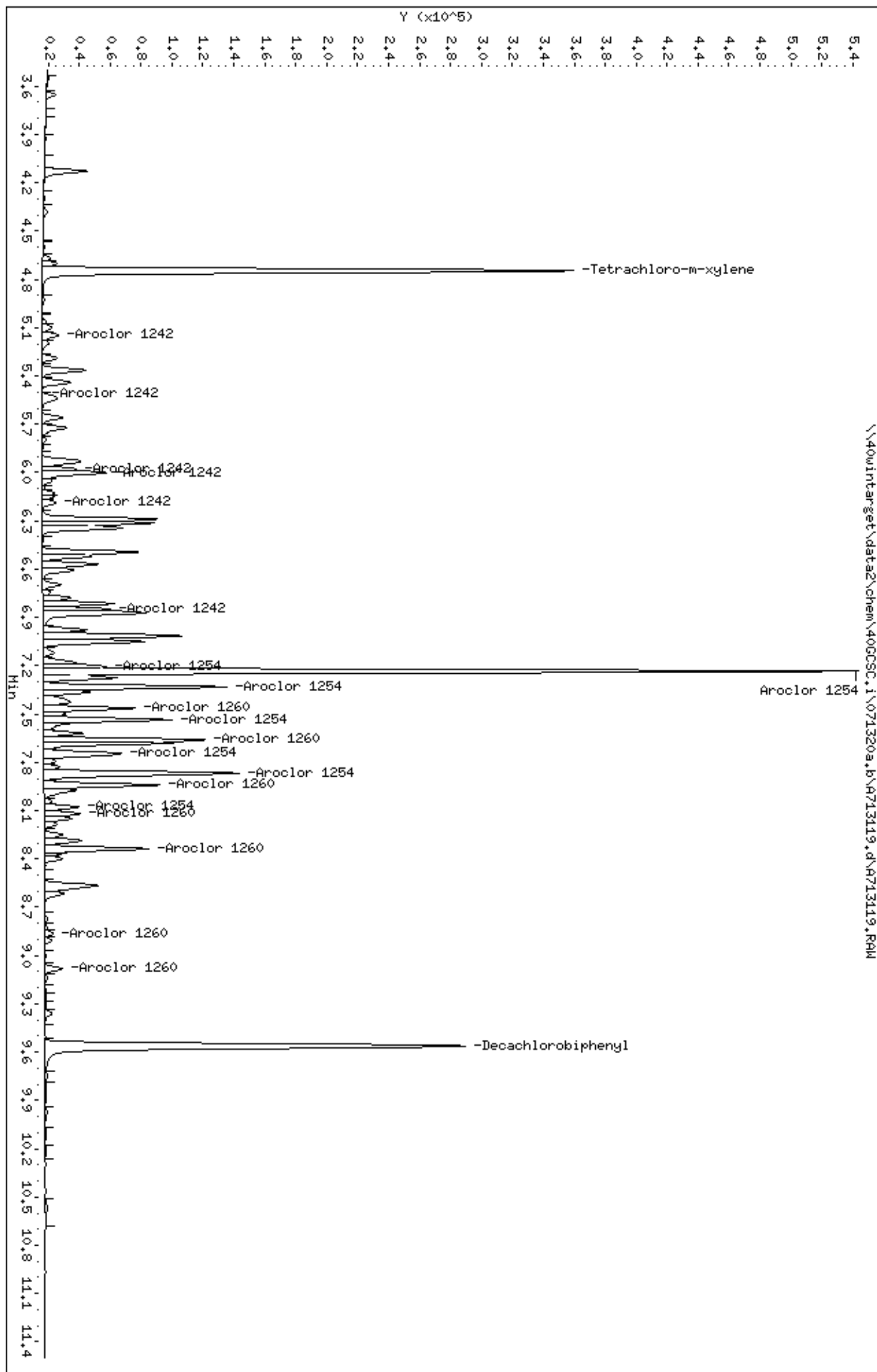
M - Compound response manually integrated.

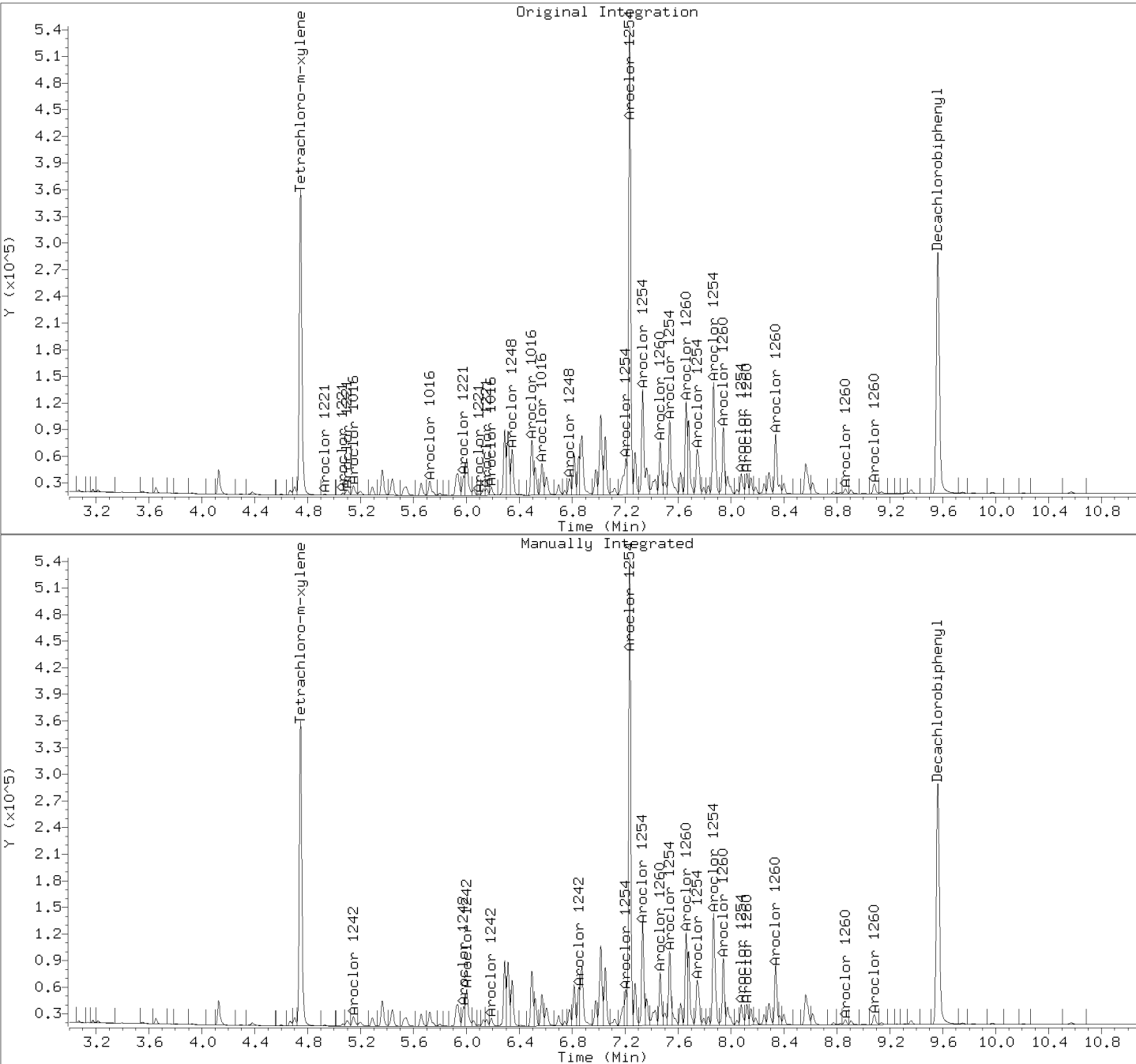
Review Codes Legend

:
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713119.d
Date : 15-JUL-2020 02:51
Client ID: PAS-B8-547
Sample Info: 40209774014
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1016	16832	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	
Aroclor 1221	2437	0	

Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1232	2437	0	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1242	0	17275	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1248	24507	0	
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1254	74277	47927	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Aroclor 1260	71276	0	CO
Tetrachloro-m-xylene	471819	471819	
Decachlorobiphenyl	462374	462374	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713119.d
Lab Smp Id: 40209774014 Client Smp ID: PAS-BS-547
Inj Date : 15-JUL-2020 02:51
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774014
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.911	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.412	503	534	1.062	0.01		
3.443	1488	1590	1.068	0.03		
3.573	6806	6729	0.989	0.16		
3.608	882	509	0.577	0.02		
3.687	1165	1116	0.958	0.02		
3.815	670	246	0.367	0.01		
3.875	528	412	0.780	0.01		
3.977	32114	30256	0.942	0.77		
4.078	774	425	0.549	0.01		
4.115	2038	867	0.425	0.04		
4.190	4236	3137	0.740	0.10		
4.257	1702	1172	0.689	0.04		
4.287	7643	4337	0.567	0.18		
4.445	769	488	0.635	0.01		
4.480	2707	1997	0.738	0.06		
4.518	736	489	0.665	0.01		
4.682	418490	350316	0.837	10.04	\$ 2 Tetrachloro-m-xylene	
4.743	2480	1871	0.754	0.05		
4.777	10413	7968	0.765	0.24		
4.798	13509	9638	0.713	0.32		
4.938	17886	12518	0.700	0.42		
4.982	2322	1603	0.690	0.05		
5.027	6013	3697	0.615	0.14		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.093	869	598	0.688	0.02	
5.133	8405	6234	0.742	0.20	
5.202	21253	14631	0.688	0.51	3 Aroclor 1242
5.298	39194	29140	0.743	0.94	
5.375	459	343	0.747	0.01	
5.443	12175	9699	0.797	0.29	
5.618	10595	9424	0.890	0.25	3 Aroclor 1242
5.637	10964	9286	0.847	0.26	
5.680	2923	1995	0.683	0.07	
5.733	17524	13987	0.798	0.42	
5.828	22519	18192	0.808	0.54	
5.863	5185	3609	0.696	0.12	
5.923	835	639	0.765	0.02	
5.953	24527	21472	0.875	0.58	
5.982	23476	18986	0.809	0.56	
6.040	23886	24687	1.034	0.57	3 Aroclor 1242
6.060	60196	46969	0.780	1.44	
6.173	12603	6074	0.482	0.30	
6.222	2061	1519	0.737	0.04	
6.275	11109	9993	0.900	0.26	3 Aroclor 1242
6.307	8960	7546	0.842	0.21	
6.350	81781	73498	0.899	1.96	
6.390	88260	77141	0.874	2.11	
6.422	67181	54043	0.804	1.61	
6.485	3951	1940	0.491	0.09	
6.587	71571	62535	0.874	1.71	
6.623	39053	32896	0.842	0.93	
6.690	65094	50564	0.777	1.56	
6.752	3652	2469	0.676	0.08	
6.815	19461	16210	0.833	0.46	
6.843	22731	19464	0.856	0.54	
6.892	49078	41761	0.851	1.17	3 Aroclor 1242
6.930	116079	98785	0.851	2.78	3 Aroclor 1242
6.992	19959	18040	0.904	0.47	
7.022	29046	26113	0.899	0.69	
7.070	91958	72709	0.791	2.20	
7.117	91393	77460	0.848	2.19	
7.160	42475	23106	0.544	1.01	
7.207	10617	9287	0.875	0.25	
7.247	12674	9559	0.754	0.30	
7.310	567557	481840	0.849	14.13	16 Aroclor 1254
7.383	50076	45843	0.915	1.20	
7.423	167389	121937	0.728	4.01	16 Aroclor 1254
7.497	19754	10954	0.555	0.47	
7.533	5875	6413	1.092	0.14	
7.562	82686	67361	0.815	1.98	16 Aroclor 1254
7.582	103230	89485	0.867	2.47	
7.657	29883	25746	0.862	0.71	
7.702	111819	100694	0.901	2.68	28 Aroclor 1260
7.730	70063	64115	0.915	1.68	
7.835	93655	54710	0.584	2.24	16 Aroclor 1254
7.883	10699	8195	0.766	0.25	
7.915	10560	9419	0.892	0.25	
7.958	161966	97235	0.600	3.88	16 Aroclor 1254
8.017	74352	68400	0.920	1.78	28 Aroclor 1260
8.055	23404	18297	0.782	0.56	
8.118	11788	6315	0.536	0.28	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.170	8505	7084	0.833	0.20	
8.227	43985	23915	0.544	1.05	16 Aroclor 1254
8.282	18359	14885	0.811	0.44	
8.325	30880	15626	0.506	0.74	
8.400	81893	60725	0.742	1.96	28 Aroclor 1260
8.453	2495	1792	0.718	0.05	
8.515	1631	1138	0.698	0.03	
8.557	20899	18519	0.886	0.50	
8.638	1553	999	0.643	0.03	
8.683	58852	31082	0.528	1.41	
8.722	17073	10324	0.605	0.40	
8.825	651	557	0.855	0.01	
8.887	2739	1739	0.635	0.06	
8.945	2335	1719	0.736	0.05	
9.032	1462	1362	0.932	0.03	28 Aroclor 1260
9.058	7496	4787	0.639	0.17	
9.190	15092	9954	0.660	0.36	28 Aroclor 1260
9.277	457	327	0.715	0.01	
9.330	6395	4495	0.703	0.15	
9.413	2525	1449	0.574	0.06	
9.530	6699	3244	0.484	0.16	
9.693	2233	801	0.359	0.05	
9.835	444389	263280	0.592	10.66	\$ 42 Decachlorobiphenyl
10.035	948	381	0.402	0.02	
10.448	4745	1615	0.340	0.11	
10.563	537	245	0.456	0.01	
10.602	733	353	0.482	0.01	
10.965	1225	570	0.465	0.02	
11.415	3583	1434	0.400	0.08	
	4166731	3225878		100.000	

Total unknown % area = 40

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713119.d
Lab Smp Id: 40209774014 Client Smp ID: PAS-BS-547
Inj Date : 15-JUL-2020 02:51
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774014
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	17.911	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.681	4.660	0.021	418489	0.08427	47			
3 Aroclor 1242					CAS #: 53469-21-9			
5.201	5.179	0.022	21253	0.28638	160	0.00-	20.00	100.00
5.618	5.597	0.021	10594	0.07659	43	0.00-	20.00	49.85
6.040	6.021	0.019	23885	0.18263	100	0.00-	20.00	112.38
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00
6.275	6.257	0.018	11109	0.12555	70	0.00-	20.00	52.27
6.891	6.876	0.015	49078	0.44405	250	0.00-	20.00	230.92
6.930	6.916	0.014	116078	0.87516	490	0.00-	20.00	546.17
Average of Peak Concentrations =					180			

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.310	7.322	-0.012	567556	3.05000	1700	0.00-	20.00	0.00	
7.423	7.409	0.014	167389	0.44069	250	0.00-	20.00	0.00	
7.561	7.568	-0.007	82685	0.31328	170	0.00-	20.00	0.00	
7.835	7.822	0.013	93654	0.57044	320	0.00-	20.00	0.00	
7.958	7.947	0.011	161966	0.49160	270	0.00-	20.00	0.00	
8.226	8.200	0.026	43985	0.46982	260	0.00-	20.00	0.00	
Average of Peak Concentrations =					500				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	82685	0.33048	180	0.00-	20.00	100.00	
7.701	7.688	0.013	111818	0.41721	230	0.00-	20.00	135.23	
8.016	8.002	0.014	74352	0.32832	180	0.00-	20.00	89.92	
8.226	8.214	0.012	43985	0.18589	100	0.00-	20.00	53.20	
8.400	8.384	0.016	81893	0.17327	97	0.00-	20.00	99.04	
9.031	9.040	-0.009	1461	0.01913	11	0.00-	20.00	1.77	
9.190	9.171	0.019	15092	0.09923	55	0.00-	20.00	18.25	
Average of Peak Concentrations =					120				

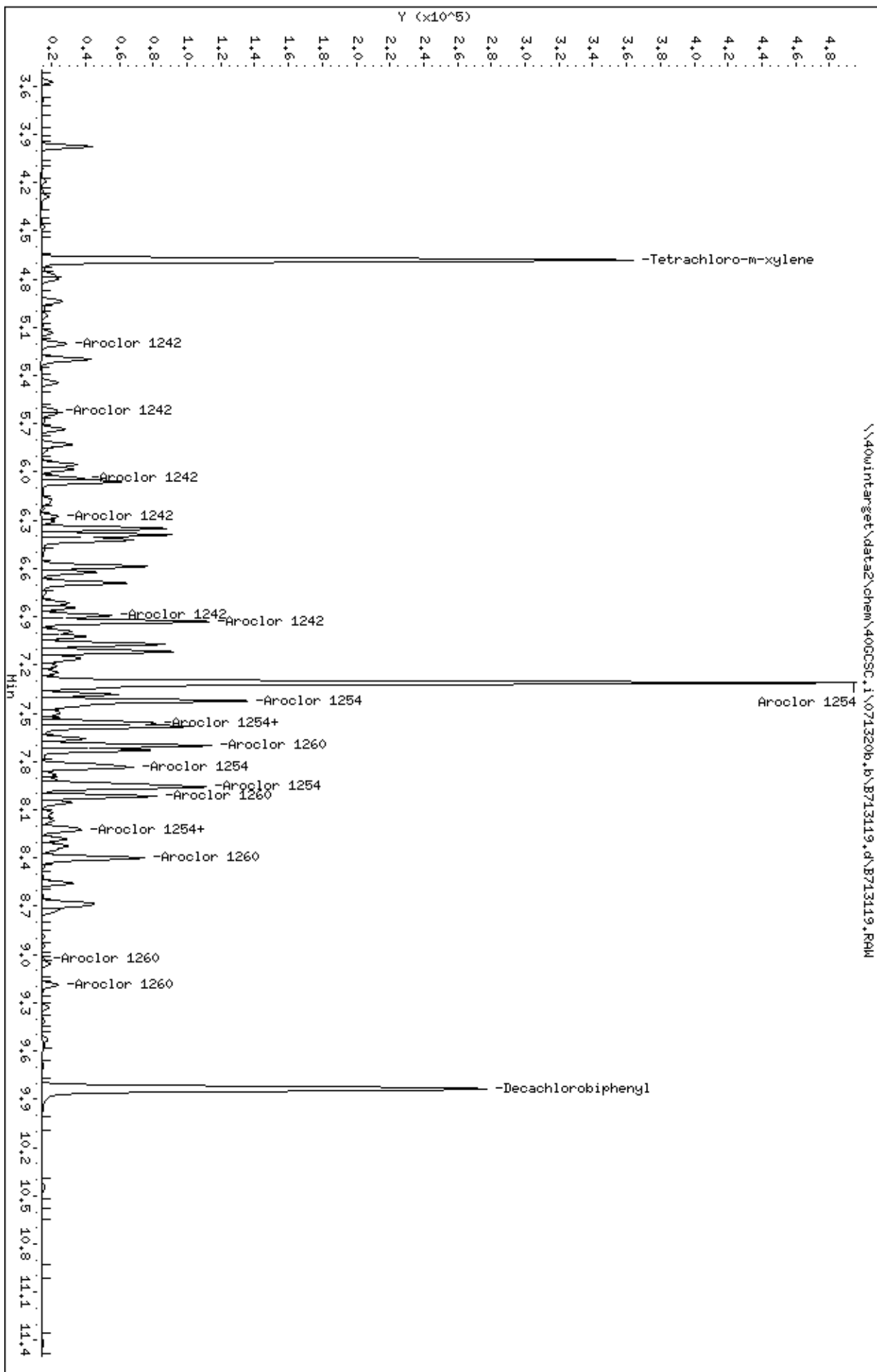
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.835	9.812	0.023	444389	0.08426	47				

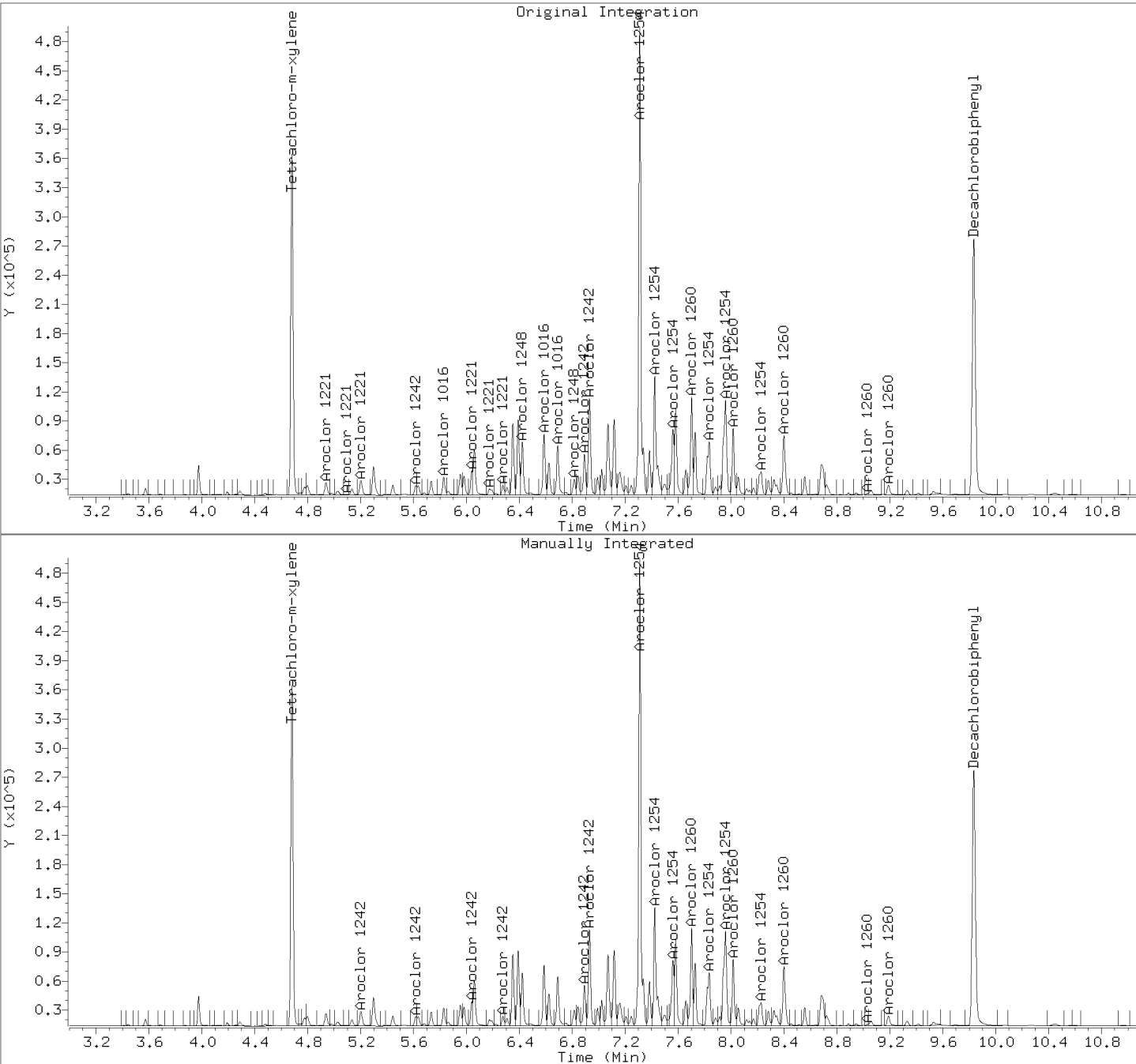
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713119.d
Date : 15-JUL-2020 02:51
Client ID: PAS-B8-547
Sample Info: 40209774014
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1016	21253	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	
Aroclor 1221	17886	0	

Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1232	17886	0
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1242	21253	21253
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1248	23885	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Aroclor 1260	82685	82685
Tetrachloro-m-xylene	418489	418489
Decachlorobiphenyl	444389	444389
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

PAS-BS-548

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/15/2020 03:13
Initial wt/vol: 13.0611 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 40209774015
Lab File ID: 071320A.BIA713120.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	104	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	225	
11096-82-5	PCB-1260 (Aroclor 1260)	61.9	
1336-36-3	PCB, Total	391	

07/15/2020 1:43

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713120.d
Lab Smp Id: 40209774015 Client Smp ID: PAS-BS-548
Inj Date : 15-JUL-2020 03:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774015
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.061	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	1083	772	0.713	0.02		
3.178	3797	3856	1.016	0.10		
3.215	2032	1756	0.864	0.05		
3.287	1006	916	0.910	0.02		
3.355	594	604	1.016	0.01		
3.382	750	563	0.751	0.02		
3.440	615	495	0.805	0.01		
3.552	3076	2143	0.697	0.08		
3.653	5647	5266	0.933	0.15		
3.803	1535	764	0.498	0.04		
4.128	19682	13568	0.689	0.54		
4.223	795	736	0.925	0.02		
4.293	1312	696	0.531	0.03		
4.382	4032	2304	0.571	0.11		
4.668	4730	3276	0.693	0.13		
4.703	10072	6845	0.680	0.27		
4.747	409589	299874	0.732	11.31	\$ 2 Tetrachloro-m-xylene	
4.848	1640	1008	0.615	0.04		
4.888	1654	1126	0.681	0.04		
4.930	1423	910	0.639	0.03		
5.067	3649	2440	0.669	0.10		
5.100	8052	4238	0.526	0.22		
5.147	12649	6941	0.549	0.34	3 Aroclor 1242	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.197	8269	4031	0.487	0.22	
5.290	9340	6595	0.706	0.25	
5.365	27532	19363	0.703	0.76	
5.442	29298	18612	0.635	0.80	
5.543	16377	6964	0.425	0.45	
5.658	12602	8454	0.671	0.34	
5.723	16874	10263	0.608	0.46	
5.800	1224	928	0.758	0.03	
5.842	714	493	0.690	0.01	
5.932	37357	19288	0.516	1.03	
5.980	17765	14750	0.830	0.49	3 Aroclor 1242
6.002	39529	25340	0.641	1.09	3 Aroclor 1242
6.055	7604	5178	0.681	0.21	
6.093	1751	1340	0.765	0.04	
6.128	5523	4483	0.812	0.15	
6.153	7477	5543	0.741	0.20	
6.188	7539	5036	0.668	0.20	3 Aroclor 1242
6.290	75949	61424	0.809	2.09	
6.315	85962	68166	0.793	2.37	
6.347	59989	44165	0.736	1.65	
6.495	61076	50977	0.835	1.68	
6.522	35731	27956	0.782	0.98	
6.572	37162	28431	0.765	1.02	
6.607	26292	16714	0.636	0.72	
6.698	14098	9736	0.691	0.38	
6.743	4529	3708	0.819	0.12	
6.780	13756	10183	0.740	0.38	
6.815	42842	34500	0.805	1.18	3 Aroclor 1242
6.852	38984	33744	0.866	1.07	3 Aroclor 1242
6.873	83486	50266	0.602	2.30	
6.978	28134	22981	0.817	0.77	
7.017	98088	70984	0.724	2.70	
7.052	71649	53090	0.741	1.97	
7.122	10546	5982	0.567	0.29	
7.190	20885	15216	0.729	0.57	
7.207	39434	32838	0.833	1.08	16 Aroclor 1254
7.235	419878	370678	0.883	11.59	16 Aroclor 1254
7.277	47196	39047	0.827	1.30	
7.333	115666	98608	0.853	3.19	16 Aroclor 1254
7.363	28722	20740	0.722	0.79	
7.428	33203	15339	0.462	0.91	
7.465	53746	43726	0.814	1.48	28 Aroclor 1260
7.500	15915	11081	0.696	0.43	
7.537	81548	65965	0.809	2.25	16 Aroclor 1254
7.558	13671	10739	0.786	0.37	
7.620	21062	18511	0.879	0.58	
7.662	81146	75229	0.927	2.24	28 Aroclor 1260
7.682	75622	62360	0.825	2.08	
7.745	63209	38853	0.615	1.74	16 Aroclor 1254
7.795	7642	6326	0.828	0.21	
7.830	8685	7327	0.844	0.23	
7.868	132236	94888	0.718	3.65	16 Aroclor 1254
7.942	64689	54741	0.846	1.78	28 Aroclor 1260
7.975	22326	14729	0.660	0.61	
8.043	4905	3764	0.767	0.13	
8.078	24425	17217	0.705	0.67	16 Aroclor 1254
8.120	20810	16906	0.812	0.57	28 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.152	16313	13156	0.806	0.45	
8.188	8401	6104	0.727	0.23	
8.252	12546	9116	0.727	0.34	
8.288	23314	15266	0.655	0.64	
8.338	65320	54843	0.840	1.80	28 Aroclor 1260
8.370	9682	7801	0.806	0.26	
8.400	5816	4105	0.706	0.16	
8.445	1100	678	0.616	0.03	
8.495	846	543	0.642	0.02	
8.565	49757	27380	0.550	1.37	
8.617	15979	9486	0.594	0.44	
8.693	1075	556	0.517	0.02	
8.775	2447	1489	0.608	0.06	
8.825	2537	1381	0.544	0.07	
8.867	6483	4378	0.675	0.17	28 Aroclor 1260
8.908	3393	2406	0.709	0.09	
9.007	827	420	0.508	0.02	
9.083	14605	9720	0.666	0.40	28 Aroclor 1260
9.138	3658	1844	0.504	0.10	
9.222	1090	503	0.461	0.03	
9.253	879	550	0.626	0.02	
9.315	1110	757	0.682	0.03	
9.360	5453	3280	0.602	0.15	
9.563	423179	248947	0.588	12.24	\$ 42 Decachlorobiphenyl
9.750	2212	946	0.428	0.06	
9.837	1498	787	0.525	0.04	
9.975	2520	1251	0.496	0.06	
10.112	1135	428	0.377	0.03	
10.210	865	435	0.503	0.02	
10.305	667	256	0.384	0.01	
10.572	4083	1613	0.395	0.11	
	3619874	2676018		100.000	

Total unknown % area = 39

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713120.d
Lab Smp Id: 40209774015 Client Smp ID: PAS-BS-548
Inj Date : 15-JUL-2020 03:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774015
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.061	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1	Aroclor 1221					CAS #:	11104-28-2		

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene									
CAS #: 877-09-8									
4.746	4.726	0.020	409589	0.07051	54				
3 Aroclor 1242									
CAS #: 53469-21-9									
5.146	5.123	0.023	12649	0.16236	120	0.00-	20.00	100.00 (M)	BA
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
5.980	5.960	0.020	17765	0.13473	100	0.00-	20.00	140.45	BA
6.001	5.982	0.019	39529	0.17178	130	0.00-	20.00	312.51	BA
6.188	6.169	0.019	7538	0.07228	55	0.00-	20.00	59.59	BA
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	BA
Average of Peak Concentrations =					100				

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.206	7.193	0.013	39433	0.34999	270	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	115665	0.31684	240	0.00-	20.00	293.32	CO
7.536	7.524	0.012	81547	0.28999	220	0.00-	20.00	206.80	CO
7.745	7.733	0.012	63208	0.28496	220	0.00-	20.00	160.29	CO
7.858	7.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.078	8.066	0.012	24425	0.23057	180	0.00-	20.00	61.94	CO
Average of Peak Concentrations =					220				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	0	0.00	0.00	0.00-	20.00	0.00 (M)	CO
7.649	7.649	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.930	7.930	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
8.120	8.108	0.012	20810	0.08047	62	0.00-	20.00	0.00	CO
8.338	8.325	0.013	65320	0.10674	82	0.00-	20.00	0.00	CO
8.866	8.850	0.016	6483	0.06077	46	0.00-	20.00	0.00	CO
9.083	9.068	0.015	14604	0.07516	58	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					62				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	423178	0.07318	56				

QC Flag Legend

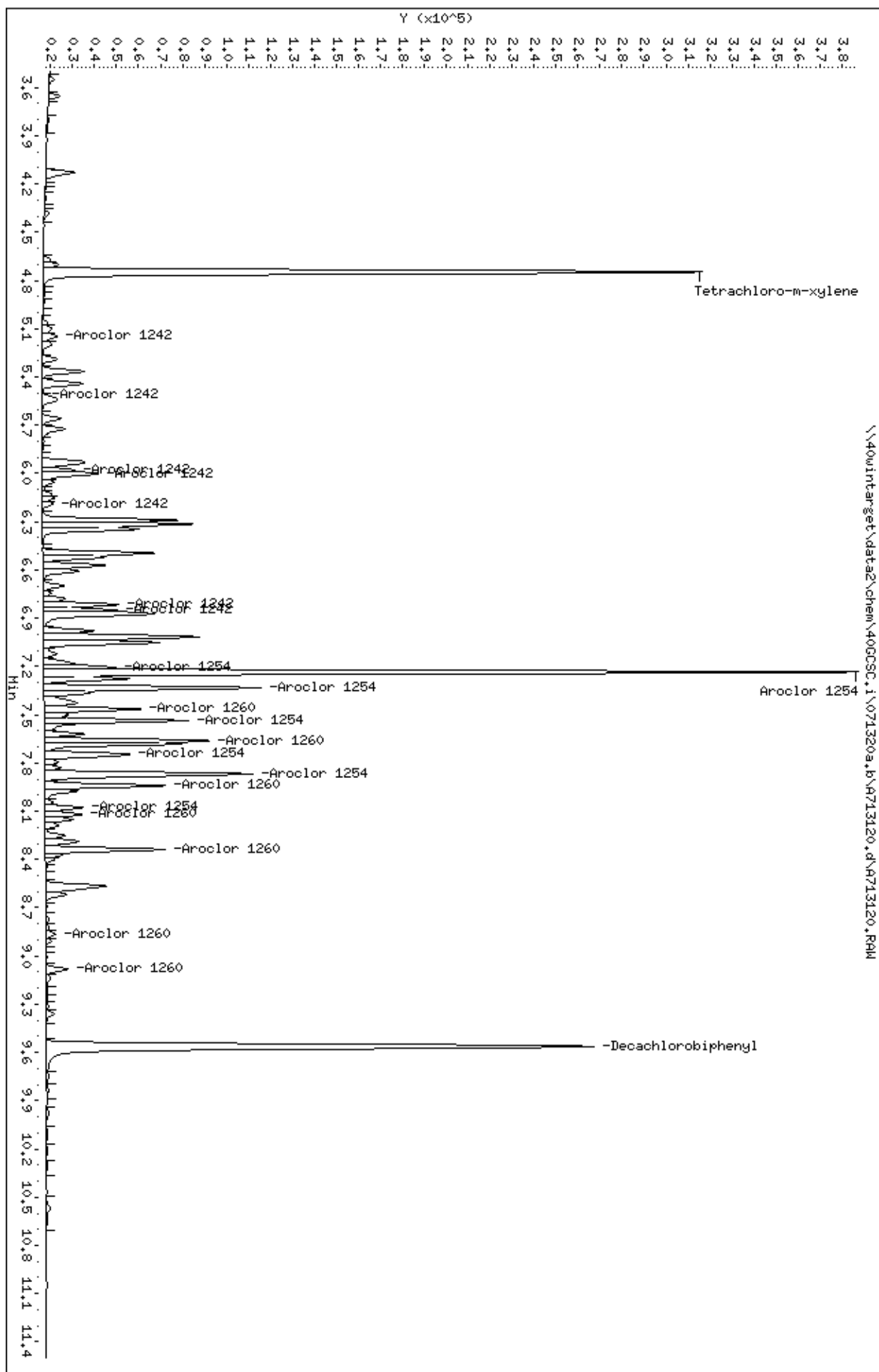
M - Compound response manually integrated.

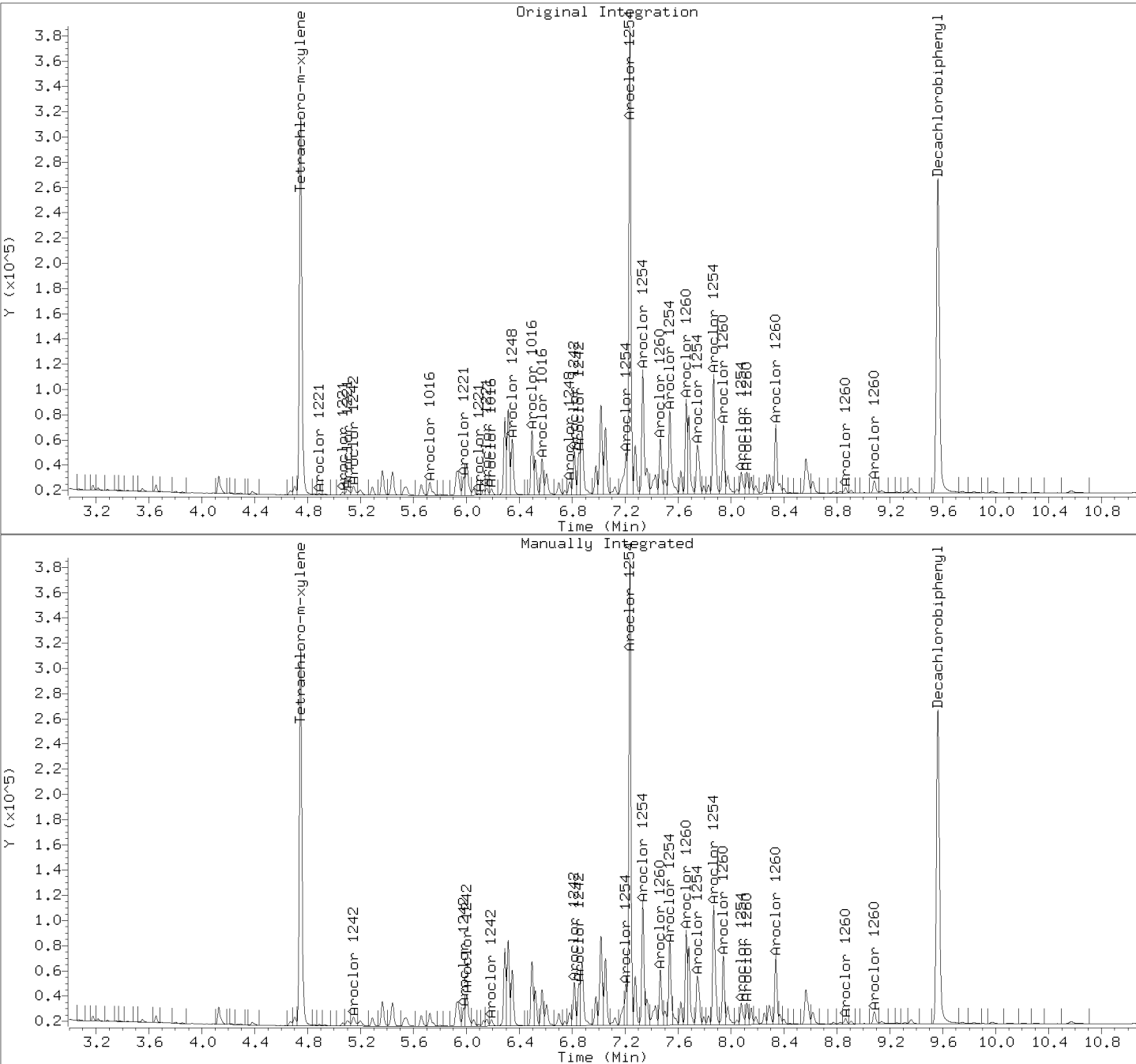
Review Codes Legend

- :
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713120.d
Date : 15-JUL-2020 03:13
Client ID: PAS-B8-548
Sample Info: 40209774015
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1016	12280	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	
Aroclor 1221	1653	0	

Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1232	1653	0	
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1242	12280	12649	BA
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1248	16904	0	
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1254	57555	39433	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Aroclor 1260	53202	0	CO
Tetrachloro-m-xylene	409589	409589	
Decachlorobiphenyl	423178	423178	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713120.d
Lab Smp Id: 40209774015 Client Smp ID: PAS-BS-548
Inj Date : 15-JUL-2020 03:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774015
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.061	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.167	1162	486	0.418	0.03		
3.225	1245	1012	0.813	0.03		
3.343	1385	695	0.502	0.04		
3.412	893	654	0.732	0.02		
3.443	2955	2662	0.901	0.08		
3.513	558	302	0.541	0.01		
3.575	7301	6497	0.890	0.21		
3.608	602	496	0.823	0.01		
3.643	1516	916	0.604	0.04		
3.688	1344	994	0.739	0.03		
3.738	456	293	0.642	0.01		
3.810	595	323	0.543	0.01		
3.877	500	431	0.861	0.01		
3.977	17112	15409	0.900	0.50		
4.032	1982	901	0.455	0.05		
4.093	1019	375	0.368	0.03		
4.158	1120	578	0.516	0.03		
4.192	3015	2498	0.829	0.08		
4.257	1413	823	0.583	0.04		
4.288	4817	3097	0.643	0.14		
4.445	1087	661	0.608	0.03		
4.487	2150	1138	0.529	0.06		
4.520	3410	2059	0.604	0.10		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
=====	=====	=====	=====	=====	=====
4.560	2093	913	0.436	0.06	
4.682	372479	308497	0.828	11.00	\$ 2 Tetrachloro-m-xyle
4.747	2092	1621	0.775	0.06	
4.778	6944	5433	0.782	0.20	
4.798	9648	7111	0.737	0.28	
4.940	23046	12742	0.553	0.68	
5.027	6623	3402	0.514	0.19	
5.095	1533	904	0.590	0.04	
5.135	7003	4382	0.626	0.20	
5.203	18046	10794	0.598	0.53	3 Aroclor 1242
5.298	28825	20049	0.696	0.85	
5.377	1171	671	0.573	0.03	
5.445	12235	7429	0.607	0.36	
5.523	3002	714	0.238	0.08	
5.618	8283	6822	0.824	0.24	3 Aroclor 1242
5.637	9481	7315	0.772	0.28	
5.680	3319	1857	0.559	0.09	
5.735	14355	9439	0.658	0.42	
5.828	15153	11904	0.786	0.44	
5.863	4655	2993	0.643	0.13	
5.923	2611	1300	0.498	0.07	
5.955	21210	17759	0.837	0.62	
5.983	19216	14901	0.775	0.56	
6.042	16026	16738	1.044	0.47	3 Aroclor 1242
6.060	41797	29936	0.716	1.23	
6.175	11008	5335	0.485	0.32	
6.223	2455	1560	0.635	0.07	
6.277	7472	6294	0.842	0.22	3 Aroclor 1242
6.308	7736	6141	0.794	0.22	
6.352	70998	63469	0.894	2.09	
6.392	78666	68655	0.873	2.32	
6.423	57828	46212	0.799	1.70	
6.485	6690	2906	0.434	0.19	
6.587	61145	51893	0.849	1.80	
6.625	35313	29629	0.839	1.04	
6.692	57315	40288	0.703	1.69	
6.815	16883	13372	0.792	0.49	
6.843	13700	11665	0.851	0.40	
6.893	39767	32436	0.816	1.17	3 Aroclor 1242
6.932	92029	77426	0.841	2.71	3 Aroclor 1242
6.992	18274	16092	0.881	0.54	
7.023	23985	21287	0.888	0.70	
7.070	77570	61458	0.792	2.29	
7.118	69830	59739	0.855	2.06	
7.157	33180	16518	0.498	0.98	
7.207	7800	6456	0.828	0.23	
7.248	10869	8076	0.743	0.32	
7.312	424637	349985	0.824	13.09	16 Aroclor 1254
7.383	43149	38748	0.898	1.27	
7.423	137012	101291	0.739	4.04	16 Aroclor 1254
7.498	15970	8716	0.546	0.47	
7.562	68429	50949	0.745	2.02	16 Aroclor 1254
7.582	83281	70704	0.849	2.46	
7.658	20234	16875	0.834	0.59	
7.703	81882	72936	0.891	2.41	28 Aroclor 1260
7.730	53729	50328	0.937	1.58	
7.835	72976	41291	0.566	2.15	16 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.883	8448	6544	0.775	0.24	
7.915	8144	7155	0.879	0.24	
7.958	121722	74169	0.609	3.59	16 Aroclor 1254
8.017	53592	49631	0.926	1.58	28 Aroclor 1260
8.055	18055	13597	0.753	0.53	
8.118	9595	5064	0.528	0.28	
8.170	3362	2474	0.736	0.09	
8.228	32665	16890	0.517	0.96	16 Aroclor 1254
8.282	13921	11242	0.808	0.41	
8.327	22766	11999	0.527	0.67	
8.402	60252	44423	0.737	1.78	28 Aroclor 1260
8.455	2041	1440	0.706	0.06	
8.515	1282	900	0.702	0.03	
8.558	12439	10724	0.862	0.36	
8.640	1097	886	0.808	0.03	
8.693	42460	22674	0.534	1.25	
8.722	12895	7823	0.607	0.38	
8.825	617	528	0.855	0.01	
8.887	2210	1358	0.614	0.06	
8.947	1459	1025	0.703	0.04	
9.058	6423	3897	0.607	0.18	28 Aroclor 1260
9.192	10746	8093	0.753	0.31	28 Aroclor 1260
9.332	3337	2417	0.724	0.09	
9.415	2629	1512	0.575	0.07	
9.532	4848	2170	0.448	0.14	
9.697	1827	782	0.428	0.05	
9.837	406520	240698	0.592	12.01	\$ 42 Decachlorobiphenyl
10.033	764	366	0.479	0.02	
10.440	3394	1247	0.367	0.10	
10.967	823	405	0.492	0.02	
11.417	3251	1325	0.408	0.09	
	3383883	2551114		100.000	

Total unknown % area = 40

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713120.d
Lab Smp Id: 40209774015 Client Smp ID: PAS-BS-548
Inj Date : 15-JUL-2020 03:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 40209774015
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	13.061	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	372478	0.07501	57								
3 Aroclor 1242										CAS #: 53469-21-9			
5.203	5.179	0.024	18046	0.24316	190	0.00-	20.00	100.00					
5.618	5.597	0.021	8283	0.05988	46	0.00-	20.00	45.90					
6.041	6.021	0.020	16025	0.12253	94	0.00-	20.00	88.80					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.276	6.257	0.019	7471	0.08443	65	0.00-	20.00	41.40					
6.893	6.876	0.017	39767	0.35980	280	0.00-	20.00	220.36					
6.931	6.916	0.015	92028	0.69384	530	0.00-	20.00	509.96					
Average of Peak Concentrations =					200								

			CONCENTRATIONS						REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL ()	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232			CAS #: 1114-16-5						
Operator disabled compound identification.									

7 Aroclor 1016			CAS #: 12674-11-2						
Operator disabled compound identification.									

12 Aroclor 1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

16 Aroclor 1254			CAS #: 11097-69-1						
0.000	7.278	-7.278	0	0.00	0.00	0.00-	20.00	0.00	
7.311	7.322	-0.011	424636	2.28196	1700	0.00-	20.00	0.00	
7.423	7.409	0.014	137012	0.36072	280	0.00-	20.00	0.00	
7.561	7.568	-0.007	68428	0.25926	200	0.00-	20.00	0.00	
7.835	7.822	0.013	72976	0.44449	340	0.00-	20.00	0.00	
7.958	7.947	0.011	121722	0.36945	280	0.00-	20.00	0.00	
8.228	8.200	0.028	32665	0.34890	270	0.00-	20.00	0.00	
Average of Peak Concentrations =					520				

28 Aroclor 1260			CAS #: 11096-82-5						
7.561	7.548	0.013	68428	0.27350	210	0.00-	20.00	100.00	
7.703	7.688	0.015	81881	0.30551	230	0.00-	20.00	119.66	
8.016	8.002	0.014	53591	0.23665	180	0.00-	20.00	78.32	
8.228	8.214	0.014	32665	0.13805	100	0.00-	20.00	47.74	
8.401	8.384	0.017	60251	0.12748	98	0.00-	20.00	88.05	
9.058	9.040	0.018	6423	0.08409	64	0.00-	20.00	9.39	
9.191	9.171	0.020	10746	0.07066	54	0.00-	20.00	15.70	
Average of Peak Concentrations =					140				

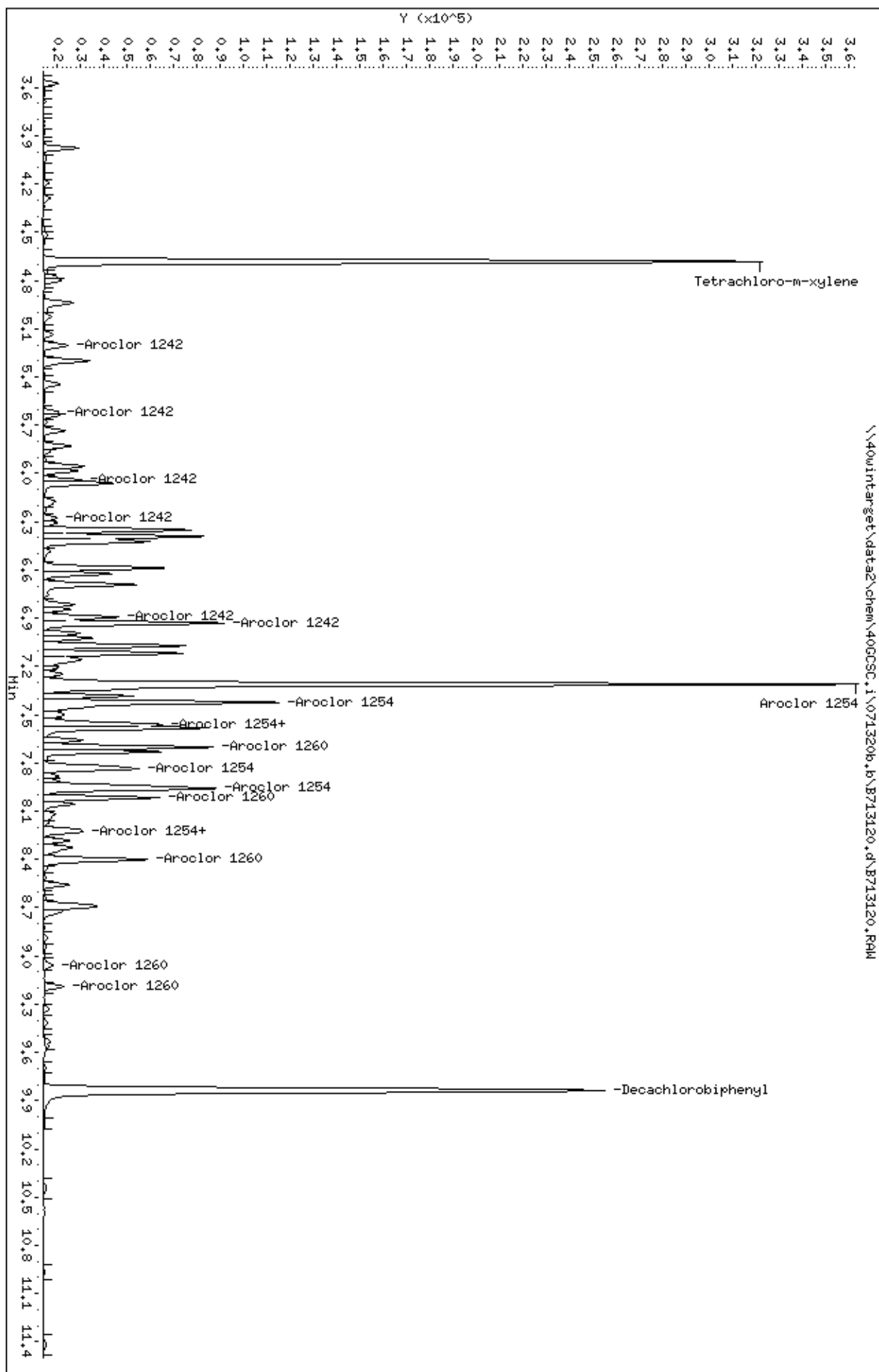
\$ 42 Decachlorobiphenyl			CAS #: 2051-24-3						
9.836	9.812	0.024	406519	0.07708	59				

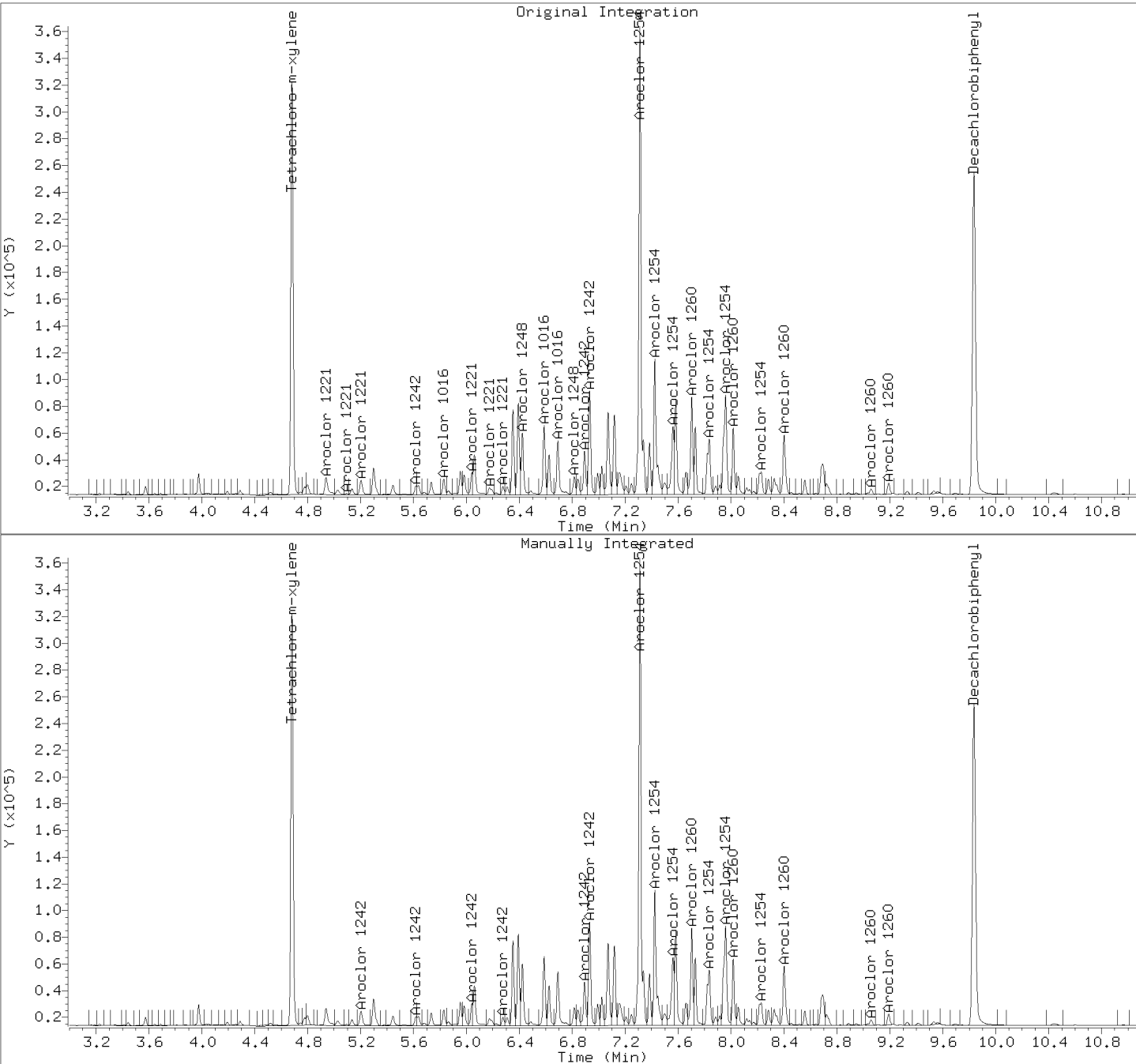
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713120.d
Date : 15-JUL-2020 03:13
Client ID: PAS-B8-548
Sample Info: 40209774015
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1016	18046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	
Aroclor 1221	23046	0	

Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1232	23046	0
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1242	18046	18046
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1248	16025	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1254	0	0
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Aroclor 1260	68428	68428
Tetrachloro-m-xylene	372478	372478
Decachlorobiphenyl	406519	406519
=====		

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720A.B\A707026.D CAL2A = 070720A.B\A707027.D CAL3A = 070720A.B\A707028.D
CAL4A = 070720A.B\A707029.D CAL5A = 070720A.B\A707030.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1016	1	Averaged	106760.000	96770.0000	96942.0000	93806.2500	89625.0000
Aroclor 1016	2	Averaged	97200.0000	99300.0000	95434.0000	89880.0000	84958.0000
Aroclor 1016	3	Averaged	169100.000	165515.000	176980.000	180221.250	172306.000
Aroclor 1016	4	Averaged	310440.000	319110.000	310278.000	295287.500	280738.000
Aroclor 1016	5	Averaged	164820.000	139615.000	135618.000	131622.500	124963.000
Aroclor 1016	6	Averaged	162180.000	148715.000	146692.000	144700.000	136937.000
Aroclor 1016	7	Averaged	82420.0000	80195.0000	82984.0000	80020.0000	76012.0000
Aroclor 1260	1	Averaged	309760.000	265735.000	244430.000	237286.250	226480.000
Aroclor 1260	2	Averaged	449680.000	420075.000	411692.000	396477.500	370577.000
Aroclor 1260	3	Averaged	304520.000	278775.000	264058.000	251071.250	237433.000
Aroclor 1260	4	Averaged	275940.000	268185.000	262564.000	251560.000	234813.000
Aroclor 1260	5	Averaged	629260.000	621880.000	629328.000	609341.250	569945.000
Aroclor 1260	6	Averaged	127140.000	107590.000	104224.000	99956.2500	94530.0000
Aroclor 1260	7	Averaged	197560.000	199230.000	201728.000	193160.000	179853.000
Decachlorobiphenyl		Averaged	6582600.00	5934050.00	5807600.00	5423930.00	5165920.00
Tetrachloro-m-xylene		Averaged	5772000.00	5718350.00	6027240.00	5891280.00	5637373.33

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720A.B\A707026.D CAL2A = 070720A.B\A707027.D CAL3A = 070720A.B\A707028.D
CAL4A = 070720A.B\A707029.D CAL5A = 070720A.B\A707030.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1016	1	Averaged	6.52			96780.65	
Aroclor 1016	2	Averaged	6.26			93354.40	
Aroclor 1016	3	Averaged	3.41			172824.45	
Aroclor 1016	4	Averaged	5.00			303170.70	
Aroclor 1016	5	Averaged	10.94			139327.70	
Aroclor 1016	6	Averaged	6.20			147844.80	
Aroclor 1016	7	Averaged	3.41			80326.20	
Aroclor 1260	1	Averaged	12.82			256738.25	
Aroclor 1260	2	Averaged	7.13			409700.30	
Aroclor 1260	3	Averaged	9.69			267171.45	
Aroclor 1260	4	Averaged	6.18			258612.40	
Aroclor 1260	5	Averaged	4.06			611950.85	
Aroclor 1260	6	Averaged	11.65			106688.05	
Aroclor 1260	7	Averaged	4.45			194306.20	
Decachlorobiphenyl		Averaged	9.36			5782820.00	
Tetrachloro-m-xylene		Averaged	2.63			5809248.66	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720B.B\B707026.D CAL2A = 070720B.B\B707027.D CAL3A = 070720B.B\B707028.D
CAL4A = 070720B.B\B707029.D CAL5A = 070720B.B\B707030.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1016	1	Averaged	108480.000	89665.0000	88538.0000	84165.0000	79748.0000
Aroclor 1016	2	Averaged	91500.0000	81905.0000	79714.0000	75463.7500	71276.0000
Aroclor 1016	3	Averaged	173520.000	169565.000	170288.000	163741.250	153022.000
Aroclor 1016	4	Averaged	302160.000	273820.000	265712.000	259112.500	247688.000
Aroclor 1016	5	Averaged	134400.000	110700.000	111032.000	108201.250	102944.000
Aroclor 1016	6	Averaged	151340.000	135820.000	132282.000	128455.000	121084.000
Aroclor 1016	7	Averaged	117120.000	109235.000	110952.000	106990.000	101166.000
Aroclor 1260	1	Averaged	278580.000	255140.000	252482.000	243685.000	221083.000
Aroclor 1260	2	Averaged	273380.000	278440.000	279186.000	268207.500	240865.000
Aroclor 1260	3	Averaged	267720.000	231505.000	221496.000	213481.250	198102.000
Aroclor 1260	4	Averaged	255820.000	240200.000	243916.000	235617.500	207531.000
Aroclor 1260	5	Averaged	327860.000	519895.000	540084.000	517118.750	458240.000
Aroclor 1260	6	Averaged	90100.0000	75605.0000	77968.0000	74322.5000	63911.0000
Aroclor 1260	7	Averaged	119900.000	159820.000	172916.000	167228.750	140584.000
Decachlorobiphenyl		Averaged	5542300.00	5260250.00	5657340.00	5370510.00	4541040.00
Tetrachloro-m-xylene		Averaged	5059700.00	4944500.00	5162660.00	4974180.00	4688026.66

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720B.B\B707026.D CAL2A = 070720B.B\B707027.D CAL3A = 070720B.B\B707028.D
CAL4A = 070720B.B\B707029.D CAL5A = 070720B.B\B707030.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1016	1	Averaged	12.19			90119.20	
Aroclor 1016	2	Averaged	9.53			79971.75	
Aroclor 1016	3	Averaged	4.86			166027.25	
Aroclor 1016	4	Averaged	7.60			269698.50	
Aroclor 1016	5	Averaged	10.70			113455.45	
Aroclor 1016	6	Averaged	8.39			133796.20	
Aroclor 1016	7	Averaged	5.32			109092.60	
Aroclor 1260	1	Averaged	8.30			250194.00	
Aroclor 1260	2	Averaged	5.89			268015.70	
Aroclor 1260	3	Averaged	11.52			226460.85	
Aroclor 1260	4	Averaged	7.56			236616.90	
Aroclor 1260	5	Averaged	18.30			472639.55	
Aroclor 1260	6	Averaged	12.26			76381.30	
Aroclor 1260	7	Averaged	14.29			152089.75	
Decachlorobiphenyl		Averaged	8.29			5274288.00	
Tetrachloro-m-xylene		Averaged	3.56			4965813.33	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720A.B\A707026.D CAL2A = 070720A.B\A707027.D CAL3A = 070720A.B\A707028.D
CAL4A = 070720A.B\A707029.D CAL5A = 070720A.B\A707030.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1016	1	5.126	5.125	5.125	5.126	5.125	5.125	5.095	5.155
Aroclor 1016	2	5.731	5.731	5.73	5.733	5.731	5.731	5.701	5.761
Aroclor 1016	3	5.963	5.961	5.961	5.963	5.961	5.962	5.932	5.992
Aroclor 1016	4	5.985	5.983	5.983	5.986	5.985	5.984	5.954	6.014
Aroclor 1016	5	6.171	6.171	6.17	6.173	6.17	6.171	6.141	6.201
Aroclor 1016	6	6.48	6.48	6.478	6.481	6.48	6.479	6.449	6.509
Aroclor 1016	7	6.555	6.555	6.553	6.556	6.555	6.554	6.524	6.584
Aroclor 1260	1	7.453	7.453	7.451	7.455	7.453	7.453	7.423	7.483
Aroclor 1260	2	7.65	7.648	7.648	7.65	7.648	7.649	7.619	7.679
Aroclor 1260	3	7.93	7.93	7.93	7.931	7.93	7.93	7.9	7.96
Aroclor 1260	4	8.108	8.108	8.108	8.11	8.108	8.108	8.078	8.138
Aroclor 1260	5	8.325	8.325	8.325	8.328	8.326	8.325	8.295	8.355
Aroclor 1260	6	8.85	8.85	8.85	8.853	8.851	8.85	8.82	8.88
Aroclor 1260	7	9.068	9.066	9.066	9.07	9.068	9.068	9.038	9.098
Decachlorobiphenyl		9.546	9.545	9.545	9.548	9.546	9.546	9.512	9.58
Tetrachloro-m-xylene		4.726	4.726	4.725	4.728	4.726	4.726	4.692	4.76

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 20:28 21:41

LAB FILE ID

CAL1A = 070720B.B\B707026.D CAL2A = 070720B.B\B707027.D CAL3A = 070720B.B\B707028.D
CAL4A = 070720B.B\B707029.D CAL5A = 070720B.B\B707030.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1016	1	5.18	5.178	5.178	5.181	5.18	5.179	5.149	5.209
Aroclor 1016	2	5.845	5.843	5.843	5.845	5.845	5.844	5.814	5.874
Aroclor 1016	3	6.023	6.021	6.021	6.023	6.023	6.022	5.992	6.052
Aroclor 1016	4	6.041	6.041	6.041	6.043	6.041	6.041	6.011	6.071
Aroclor 1016	5	6.258	6.256	6.256	6.26	6.258	6.258	6.228	6.288
Aroclor 1016	6	6.571	6.57	6.57	6.571	6.57	6.57	6.54	6.6
Aroclor 1016	7	6.673	6.673	6.673	6.676	6.673	6.673	6.643	6.703
Aroclor 1260	1	7.548	7.546	7.546	7.55	7.548	7.548	7.518	7.578
Aroclor 1260	2	7.688	7.686	7.686	7.69	7.688	7.688	7.658	7.718
Aroclor 1260	3	8.003	8.001	8.001	8.005	8.003	8.002	7.972	8.032
Aroclor 1260	4	8.213	8.213	8.213	8.216	8.215	8.214	8.184	8.244
Aroclor 1260	5	8.385	8.383	8.383	8.386	8.385	8.384	8.354	8.414
Aroclor 1260	6	9.04	9.04	9.04	9.043	9.041	9.04	9.01	9.07
Aroclor 1260	7	9.171	9.17	9.17	9.173	9.171	9.171	9.141	9.201
Decachlorobiphenyl		9.811	9.811	9.811	9.815	9.813	9.812	9.782	9.842
Tetrachloro-m-xylene		4.66	4.66	4.66	4.661	4.661	4.66	4.63	4.69

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720A.B\A707008.D CAL2B = 070720A.B\A707009.D CAL3B = 070720A.B\A707010.D
CAL4B = 070720A.B\A707011.D CAL5B = 070720A.B\A707012.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1242	1	Averaged	77860.0000	77770.0000	79010.0000	78340.0000	76566.0000
Aroclor 1242	2	Averaged	158320.000	163150.000	160826.000	158107.500	155363.000
Aroclor 1242	3	Averaged	118880.000	131095.000	135688.000	132985.000	140624.000
Aroclor 1242	4	Averaged	228380.000	232120.000	232422.000	233961.250	223706.000
Aroclor 1242	5	Averaged	109720.000	105540.000	103112.000	101948.750	101091.000
Aroclor 1242	6	Averaged	110980.000	112285.000	113092.000	114768.750	112983.000
Aroclor 1242	7	Averaged	127200.000	145285.000	143362.000	136080.000	137645.000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720A.B\A707008.D CAL2B = 070720A.B\A707009.D CAL3B = 070720A.B\A707010.D
CAL4B = 070720A.B\A707011.D CAL5B = 070720A.B\A707012.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1242	1	Averaged	1.15			77909.20	
Aroclor 1242	2	Averaged	1.85			159153.30	
Aroclor 1242	3	Averaged	6.13			131854.40	
Aroclor 1242	4	Averaged	1.79			230117.85	
Aroclor 1242	5	Averaged	3.32			104282.35	
Aroclor 1242	6	Averaged	1.21			112821.75	
Aroclor 1242	7	Averaged	5.15			137914.40	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720B.B\B707008.D CAL2B = 070720B.B\B707009.D CAL3B = 070720B.B\B707010.D
CAL4B = 070720B.B\B707011.D CAL5B = 070720B.B\B707012.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1242	1	Averaged	77720.0000	75690.0000	74754.0000	72517.5000	70384.0000
Aroclor 1242	2	Averaged	139000.000	144310.000	136898.000	137013.750	134359.000
Aroclor 1242	3	Averaged	131240.000	126435.000	132450.000	136071.250	127730.000
Aroclor 1242	4	Averaged	236700.000	219425.000	209192.000	201480.000	206503.000
Aroclor 1242	5	Averaged	93860.0000	87705.0000	87818.0000	86796.2500	86251.0000
Aroclor 1242	6	Averaged	113720.000	110835.000	110656.000	109117.500	108295.000
Aroclor 1242	7	Averaged	135700.000	135005.000	133268.000	129546.250	129662.000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720B.B\B707008.D CAL2B = 070720B.B\B707009.D CAL3B = 070720B.B\B707010.D
CAL4B = 070720B.B\B707011.D CAL5B = 070720B.B\B707012.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1242	1	Averaged	3.82			74213.10	
Aroclor 1242	2	Averaged	2.69			138316.15	
Aroclor 1242	3	Averaged	2.94			130785.25	
Aroclor 1242	4	Averaged	6.49			214660.00	
Aroclor 1242	5	Averaged	3.47			88486.05	
Aroclor 1242	6	Averaged	1.88			110524.70	
Aroclor 1242	7	Averaged	2.19			132636.25	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720A.B\A707008.D CAL2B = 070720A.B\A707009.D CAL3B = 070720A.B\A707010.D
CAL4B = 070720A.B\A707011.D CAL5B = 070720A.B\A707012.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1242	1	5.125	5.125	5.123	5.121	5.123	5.123	5.093	5.153
Aroclor 1242	2	5.511	5.511	5.51	5.508	5.508	5.51	5.48	5.54
Aroclor 1242	3	5.961	5.961	5.96	5.96	5.96	5.96	5.93	5.99
Aroclor 1242	4	5.983	5.983	5.983	5.981	5.981	5.982	5.952	6.012
Aroclor 1242	5	6.17	6.171	6.17	6.168	6.168	6.169	6.139	6.199
Aroclor 1242	6	6.833	6.833	6.833	6.831	6.831	6.832	6.802	6.862
Aroclor 1242	7	6.858	6.86	6.858	6.856	6.858	6.858	6.828	6.888

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 15:00 16:13

LAB FILE ID

CAL1B = 070720B.B\B707008.D CAL2B = 070720B.B\B707009.D CAL3B = 070720B.B\B707010.D
CAL4B = 070720B.B\B707011.D CAL5B = 070720B.B\B707012.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1242	1	5.18	5.18	5.178	5.178	5.178	5.179	5.149	5.209
Aroclor 1242	2	5.598	5.598	5.596	5.596	5.596	5.597	5.567	5.627
Aroclor 1242	3	6.023	6.023	6.021	6.021	6.02	6.021	5.991	6.051
Aroclor 1242	4	6.041	6.041	6.041	6.04	6.04	6.04	6.01	6.07
Aroclor 1242	5	6.258	6.258	6.256	6.256	6.256	6.257	6.227	6.287
Aroclor 1242	6	6.876	6.876	6.876	6.875	6.876	6.876	6.846	6.906
Aroclor 1242	7	6.916	6.916	6.916	6.915	6.915	6.916	6.886	6.946

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720A.B\A707020.D CAL2C = 070720A.B\A707021.D CAL3C = 070720A.B\A707022.D
CAL4C = 070720A.B\A707023.D CAL5C = 070720A.B\A707024.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1254	1	Averaged	113940.000	118155.000	113398.000	110500.000	107344.000
Aroclor 1254	2	Averaged	216100.000	225780.000	215656.000	213031.250	206354.000
Aroclor 1254	3	Averaged	363480.000	381590.000	368338.000	361462.500	350445.000
Aroclor 1254	4	Averaged	288940.000	296990.000	280754.000	274562.500	264780.000
Aroclor 1254	5	Averaged	210600.000	231850.000	225094.000	223222.500	218319.000
Aroclor 1254	6	Averaged	378080.000	391760.000	369040.000	362311.250	354395.000
Aroclor 1254	7	Averaged	109040.000	111245.000	105704.000	103148.750	100539.000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720A.B\A707020.D CAL2C = 070720A.B\A707021.D CAL3C = 070720A.B\A707022.D
CAL4C = 070720A.B\A707023.D CAL5C = 070720A.B\A707024.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1254	1	Averaged	3.58			112667.40	
Aroclor 1254	2	Averaged	3.24			215384.25	
Aroclor 1254	3	Averaged	3.10			365063.10	
Aroclor 1254	4	Averaged	4.43			281205.30	
Aroclor 1254	5	Averaged	3.57			221817.10	
Aroclor 1254	6	Averaged	3.89			371117.25	
Aroclor 1254	7	Averaged	4.08			105935.35	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720B.B\B707020.D CAL2C = 070720B.B\B707021.D CAL3C = 070720B.B\B707022.D
CAL4C = 070720B.B\B707023.D CAL5C = 070720B.B\B707024.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1254	1	Averaged	100480.000	102050.000	94836.0000	92850.0000	89454.0000
Aroclor 1254	2	Averaged	188280.000	194265.000	185238.000	183207.500	179428.000
Aroclor 1254	3	Averaged	386040.000	400400.000	379324.000	372923.750	360473.000
Aroclor 1254	4	Averaged	271960.000	277080.000	262454.000	254728.750	253431.000
Aroclor 1254	5	Averaged	166420.000	167365.000	164288.000	159947.500	162874.000
Aroclor 1254	6	Averaged	332780.000	344675.000	328952.000	323205.000	317708.000
Aroclor 1254	7	Averaged	94340.0000	98280.0000	93804.0000	91667.5000	90018.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720B.B\B707020.D CAL2C = 070720B.B\B707021.D CAL3C = 070720B.B\B707022.D
CAL4C = 070720B.B\B707023.D CAL5C = 070720B.B\B707024.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1254	1	Averaged	5.48			95934.00	
Aroclor 1254	2	Averaged	3.00			186083.70	
Aroclor 1254	3	Averaged	3.91			379832.15	
Aroclor 1254	4	Averaged	3.94			263930.75	
Aroclor 1254	5	Averaged	1.79			164178.90	
Aroclor 1254	6	Averaged	3.11			329464.00	
Aroclor 1254	7	Averaged	3.33			93621.90	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720A.B\A707020.D CAL2C = 070720A.B\A707021.D CAL3C = 070720A.B\A707022.D
CAL4C = 070720A.B\A707023.D CAL5C = 070720A.B\A707024.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1254	1	7.195	7.193	7.193	7.195	7.193	7.193	7.159	7.227
Aroclor 1254	2	7.228	7.228	7.226	7.228	7.226	7.227	7.193	7.261
Aroclor 1254	3	7.321	7.32	7.32	7.32	7.318	7.32	7.286	7.354
Aroclor 1254	4	7.525	7.525	7.523	7.525	7.523	7.524	7.49	7.558
Aroclor 1254	5	7.735	7.733	7.733	7.733	7.731	7.733	7.699	7.767
Aroclor 1254	6	7.858	7.858	7.858	7.858	7.856	7.858	7.824	7.892
Aroclor 1254	7	8.066	8.066	8.066	8.066	8.065	8.066	8.032	8.1

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 18:39 19:52

LAB FILE ID

CAL1C = 070720B.B\B707020.D CAL2C = 070720B.B\B707021.D CAL3C = 070720B.B\B707022.D
CAL4C = 070720B.B\B707023.D CAL5C = 070720B.B\B707024.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1254	1	7.28	7.278	7.28	7.278	7.276	7.278	7.248	7.308
Aroclor 1254	2	7.323	7.323	7.323	7.323	7.321	7.322	7.292	7.352
Aroclor 1254	3	7.41	7.41	7.41	7.41	7.408	7.409	7.379	7.439
Aroclor 1254	4	7.57	7.568	7.57	7.568	7.566	7.568	7.538	7.598
Aroclor 1254	5	7.823	7.821	7.823	7.823	7.82	7.822	7.792	7.852
Aroclor 1254	6	7.948	7.946	7.948	7.946	7.945	7.947	7.917	7.977
Aroclor 1254	7	8.201	8.2	8.201	8.201	8.198	8.2	8.17	8.23

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720A.B\A707014.D CAL2D = 070720A.B\A707015.D CAL3D = 070720A.B\A707016.D
CAL4D = 070720A.B\A707017.D CAL5D = 070720A.B\A707018.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1248	1	Averaged	95520.0000	95005.0000	99650.0000	98137.5000	103837.000
Aroclor 1248	2	Averaged	150040.000	147065.000	135018.000	132215.000	133378.000
Aroclor 1248	3	Averaged	64000.0000	59895.0000	57712.0000	54975.0000	56605.0000
Aroclor 1248	4	Averaged	109540.000	104165.000	92010.0000	89441.2500	92320.0000
Aroclor 1248	5	Averaged	198200.000	186255.000	178590.000	174212.500	179660.000
Aroclor 1248	6	Averaged	122460.000	119360.000	115294.000	113865.000	118501.000
Aroclor 1248	7	Averaged	108420.000	108895.000	105932.000	103543.750	106624.000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720A.B\A707014.D CAL2D = 070720A.B\A707015.D CAL3D = 070720A.B\A707016.D
CAL4D = 070720A.B\A707017.D CAL5D = 070720A.B\A707018.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1248	1	Averaged	3.62			98429.90	
Aroclor 1248	2	Averaged	5.98			139543.20	
Aroclor 1248	3	Averaged	5.95			58637.40	
Aroclor 1248	4	Averaged	9.04			97495.25	
Aroclor 1248	5	Averaged	5.09			183383.50	
Aroclor 1248	6	Averaged	2.88			117896.00	
Aroclor 1248	7	Averaged	2.00			106682.95	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720B.B\B707014.D CAL2D = 070720B.B\B707015.D CAL3D = 070720B.B\B707016.D
CAL4D = 070720B.B\B707017.D CAL5D = 070720B.B\B707018.D

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1248	1	Averaged	111080.000	105000.000	97240.0000	95520.0000	100166.000
Aroclor 1248	2	Averaged	140420.000	127495.000	117842.000	116656.250	117328.000
Aroclor 1248	3	Averaged	56180.0000	50445.0000	48844.0000	45931.2500	47060.0000
Aroclor 1248	4	Averaged	107020.000	95885.0000	87510.0000	83582.5000	87131.0000
Aroclor 1248	5	Averaged	185080.000	173005.000	161406.000	155305.000	158161.000
Aroclor 1248	6	Averaged	170020.000	160915.000	152488.000	149755.000	153902.000
Aroclor 1248	7	Averaged	117080.000	107155.000	102030.000	96777.5000	99069.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720B.B\B707014.D CAL2D = 070720B.B\B707015.D CAL3D = 070720B.B\B707016.D
CAL4D = 070720B.B\B707017.D CAL5D = 070720B.B\B707018.D

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1248	1	Averaged	6.19			101801.20	
Aroclor 1248	2	Averaged	8.24			123948.25	
Aroclor 1248	3	Averaged	8.07			49692.05	
Aroclor 1248	4	Averaged	10.21			92225.70	
Aroclor 1248	5	Averaged	7.40			166591.40	
Aroclor 1248	6	Averaged	5.18			157416.00	
Aroclor 1248	7	Averaged	7.72			104422.30	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720A.B\A707014.D CAL2D = 070720A.B\A707015.D CAL3D = 070720A.B\A707016.D
CAL4D = 070720A.B\A707017.D CAL5D = 070720A.B\A707018.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1248	1	5.963	5.961	5.961	5.961	5.96	5.961	5.931	5.991
Aroclor 1248	2	5.983	5.983	5.983	5.983	5.983	5.982	5.952	6.012
Aroclor 1248	3	6.171	6.171	6.17	6.17	6.17	6.17	6.14	6.2
Aroclor 1248	4	6.333	6.333	6.333	6.333	6.331	6.332	6.302	6.362
Aroclor 1248	5	6.478	6.478	6.478	6.478	6.476	6.478	6.448	6.508
Aroclor 1248	6	6.555	6.555	6.553	6.553	6.553	6.553	6.523	6.583
Aroclor 1248	7	6.765	6.763	6.763	6.763	6.763	6.763	6.733	6.793

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 07/07/2020 Calibration Time(s): 16:50 18:03

LAB FILE ID

CAL1D = 070720B.B\B707014.D CAL2D = 070720B.B\B707015.D CAL3D = 070720B.B\B707016.D
CAL4D = 070720B.B\B707017.D CAL5D = 070720B.B\B707018.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1248	1	6.023	6.023	6.023	6.021	6.021	6.022	5.992	6.052
Aroclor 1248	2	6.043	6.043	6.041	6.041	6.041	6.041	6.011	6.071
Aroclor 1248	3	6.258	6.258	6.258	6.258	6.258	6.258	6.228	6.288
Aroclor 1248	4	6.411	6.411	6.411	6.41	6.41	6.41	6.38	6.44
Aroclor 1248	5	6.571	6.571	6.57	6.57	6.57	6.57	6.54	6.6
Aroclor 1248	6	6.675	6.675	6.675	6.673	6.675	6.674	6.644	6.704
Aroclor 1248	7	6.828	6.828	6.826	6.826	6.826	6.827	6.797	6.857

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 Calibration Time(s): 13:48

LAB FILE ID

CAL3S = 070720A.B\A707004.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1221	.5	1	4.906	4.876	4.936	60072.0000
Aroclor 1221	.5	2	5.073	5.043	5.103	36902.0000
Aroclor 1221	.5	3	5.12	5.09	5.15	143782.000
Aroclor 1221	.5	4	5.958	5.928	5.988	10716.0000
Aroclor 1221	.5	5	5.981	5.951	6.011	23498.0000
Aroclor 1221	.5	6	6.108	6.078	6.138	15266.0000
Aroclor 1221	.5	7	6.168	6.138	6.198	10670.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 1 SDG No.: 40209774
Calibration Date(s): 07/07/2020 Calibration Time(s): 14:06

LAB FILE ID

CAL3S = 070720A.B\A707005.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1232	.5	1	4.905	4.875	4.935	38872.0000
Aroclor 1232	.5	2	5.073	5.043	5.103	26380.0000
Aroclor 1232	.5	3	5.12	5.09	5.15	114738.000
Aroclor 1232	.5	4	5.958	5.928	5.988	65354.0000
Aroclor 1232	.5	5	5.981	5.951	6.011	127384.000
Aroclor 1232	.5	6	6.108	6.078	6.138	67112.0000
Aroclor 1232	.5	7	6.166	6.136	6.196	56388.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 Calibration Time(s): 13:48

LAB FILE ID

CAL3S = 070720B.B\B707004.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1221	.5	1	4.956	4.926	4.986	54680.0000
Aroclor 1221	.5	2	5.108	5.079	5.139	36906.0000
Aroclor 1221	.5	3	5.176	5.146	5.206	131700.000
Aroclor 1221	.5	4	6.02	5.99	6.05	12318.0000
Aroclor 1221	.5	5	6.04	6.01	6.07	20832.0000
Aroclor 1221	.5	6	6.163	6.133	6.193	14838.0000
Aroclor 1221	.5	7	6.255	6.224	6.284	8968.00000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSC GC Column: Col 2 SDG No.: 40209774
Calibration Date(s): 07/07/2020 Calibration Time(s): 14:06

LAB FILE ID

CAL3S = 070720B.B\B707005.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1232	.5	1	4.956	4.926	4.986	36026.0000
Aroclor 1232	.5	2	5.11	5.08	5.14	26722.0000
Aroclor 1232	.5	3	5.175	5.144	5.204	106416.000
Aroclor 1232	.5	4	6.02	5.99	6.05	67258.0000
Aroclor 1232	.5	5	6.038	6.008	6.068	116958.000
Aroclor 1232	.5	6	6.161	6.131	6.191	71456.0000
Aroclor 1232	.5	7	6.255	6.224	6.284	47616.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707004.d
Lab Smp Id: 1221-CAL3S Client Smp ID: 1221-CAL3S
Inj Date : 07-JUL-2020 13:48
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1221-cal3s,254101:1
Misc Info : 21329,NSAR1221
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.692	1798	1012	0.563	0.21		
3.882	1114	335	0.301	0.13		
4.127	19514	13572	0.695	2.29		
4.562	5451	3480	0.638	0.64		
4.645	4944	3336	0.675	0.58		
4.680	5982	4509	0.754	0.70		
4.723	284675	201355	0.707	33.44		
4.907	30036	17862	0.595	3.52	1 Aroclor 1221	CO
4.972	403	294	0.730	0.04		
5.073	18452	12742	0.691	2.16	1 Aroclor 1221	CO
5.120	71891	44788	0.623	8.44	1 Aroclor 1221	CO
5.167	7026	4406	0.627	0.82		
5.508	9267	4236	0.457	1.08		
5.578	5735	2981	0.520	0.67		
5.645	8955	5030	0.562	1.05		
5.700	3147	2204	0.700	0.36		
5.727	4964	3025	0.609	0.58		
5.875	1491	1199	0.804	0.17		
5.912	3459	1740	0.503	0.40		
5.958	5358	4728	0.882	0.62	1 Aroclor 1221	CO
5.982	11749	6861	0.584	1.38	1 Aroclor 1221	CO
6.037	1248	747	0.599	0.14		
6.108	7633	4630	0.607	0.89	1 Aroclor 1221	CO
6.168	5335	3191	0.598	0.62	1 Aroclor 1221	CO
6.272	1905	1335	0.701	0.22		
6.295	1980	1433	0.724	0.23		
6.330	1442	822	0.570	0.16		
6.477	3116	1675	0.538	0.36		
6.552	1113	891	0.801	0.13		
6.587	2267	1366	0.603	0.26		
6.762	903	655	0.725	0.10		
6.832	1496	1236	0.826	0.17		
6.857	2357	1311	0.556	0.27		
6.995	1058	743	0.702	0.12		
7.025	3347	2037	0.609	0.39		
7.415	722	311	0.431	0.08		
8.485	573	406	0.709	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.692	1720	531	0.309	0.20	
8.763	1565	1127	0.720	0.18	
8.833	1291	825	0.639	0.15	
9.157	1327	379	0.286	0.15	
9.342	3126	2013	0.644	0.36	
9.542	294374	184012	0.625	34.82	
9.680	1927	594	0.308	0.22	
9.813	1083	623	0.575	0.12	
10.295	1292	501	0.388	0.15	
11.033	1460	474	0.325	0.17	
	851070	553563		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707004.d
Lab Smp Id: 1221-CAL3S Client Smp ID: 1221-CAL3S
Inj Date : 07-JUL-2020 13:48
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1221-cal3s,254101:1
Misc Info : 21329,NSAR1221
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Aroclor 1221					CAS #: 11104-28-2				
4.906	4.906	0.000	30036	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.073	5.073	0.000	18451	0.50000	0.50	0.00-	20.00	61.43	CO
5.120	5.120	0.000	71891	0.50000	0.50	0.00-	20.00	239.35	CO
5.958	5.958	0.000	5358	0.50000	0.50	0.00-	20.00	17.84	CO
5.981	5.981	0.000	11749	0.50000	0.50	0.00-	20.00	39.12	CO
6.108	6.108	0.000	7633	0.50000	0.50	0.00-	20.00	25.41	CO
6.168	6.168	0.000	5335	0.50000	0.50	0.00-	20.00	17.76	CO
Average of Peak Amounts =					0.50000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 13:48

Client ID: 1221-CAL3S

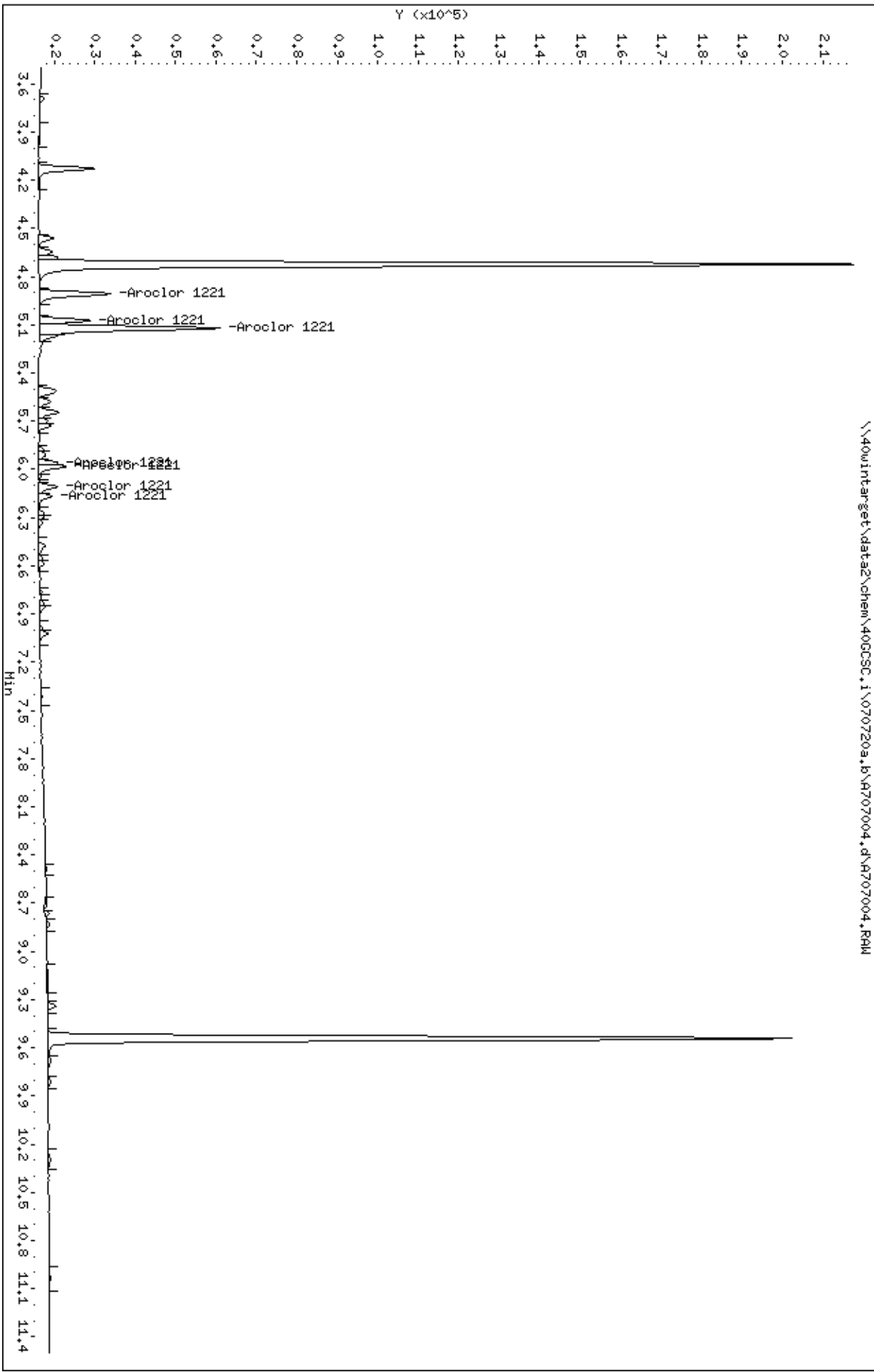
Sample Info: 1221-CAL3S,254101:1

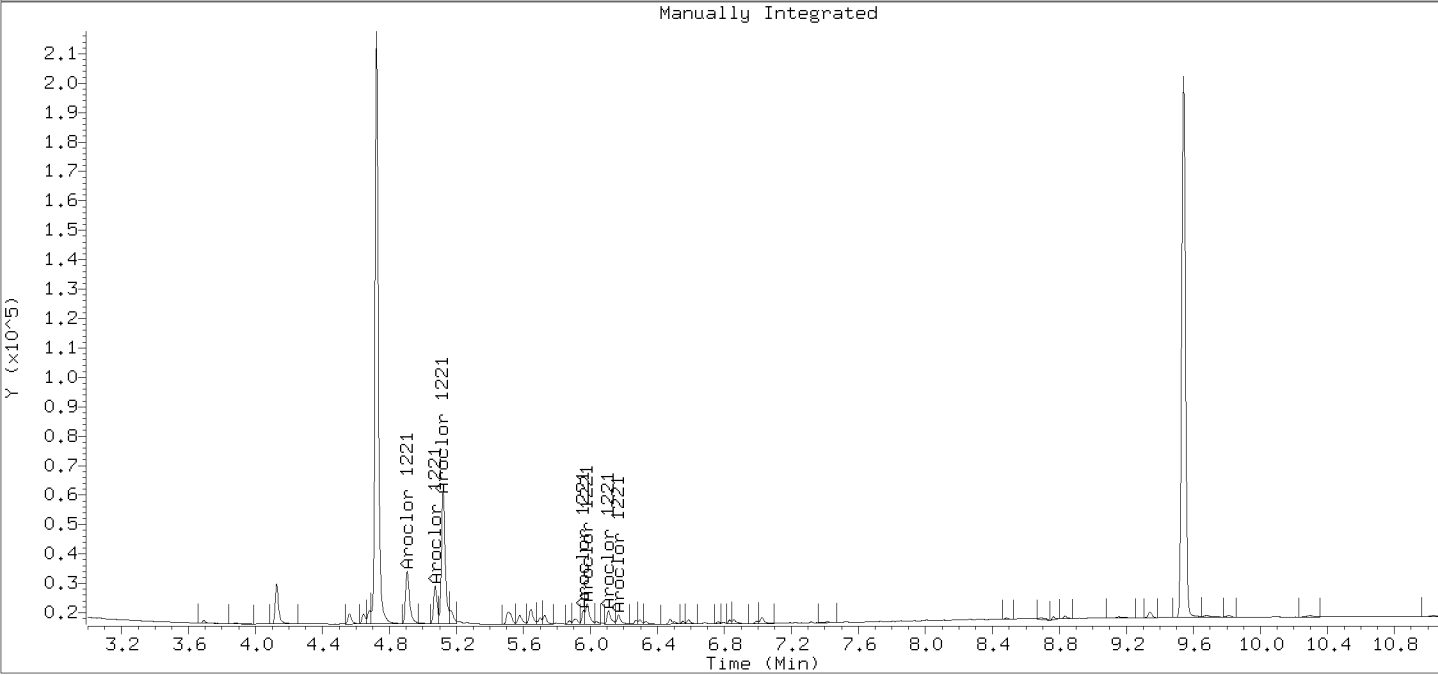
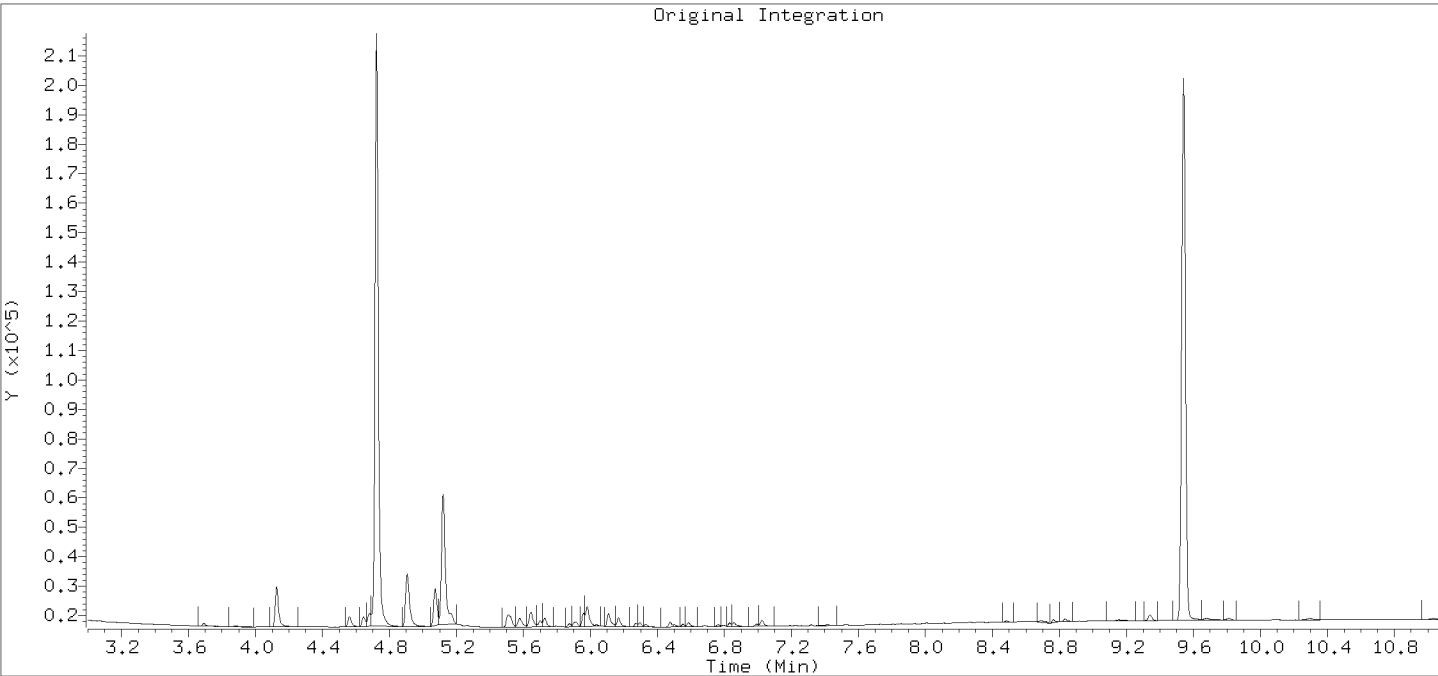
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO
Aroclor 1221	0	30036	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707004.d
Lab Smp Id: 1221-CAL3S Client Smp ID: 1221-CAL3S
Inj Date : 07-JUL-2020 13:48
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1221-cal3s,254101:1
Misc Info : 21329,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	1127	923	0.819	0.14		
3.792	580	451	0.778	0.07		
3.857	459	359	0.783	0.05		
4.170	13828	11932	0.863	1.75		
4.548	4254	3516	0.826	0.54		
4.658	257007	222413	0.865	32.68		
4.722	1556	1127	0.724	0.19		
4.750	4699	3824	0.814	0.59		
4.777	6620	4530	0.684	0.84		
4.957	27341	21106	0.772	3.47	1 Aroclor 1221	CO
5.067	3107	2548	0.820	0.39		
5.110	18453	14160	0.767	2.34	1 Aroclor 1221	CO
5.177	65851	43738	0.664	8.37	1 Aroclor 1221	CO
5.225	1777	1063	0.598	0.22		
5.420	661	524	0.793	0.08		
5.593	12832	5680	0.443	1.63		
5.655	7877	5842	0.742	1.00		
5.710	2270	993	0.437	0.28		
5.807	2555	2129	0.833	0.32		
5.842	4147	3080	0.743	0.52		
5.903	1695	1476	0.871	0.21		
5.933	1808	1557	0.861	0.22		
5.962	2071	1560	0.753	0.26		
6.020	6159	5696	0.925	0.78	1 Aroclor 1221	CO
6.040	10417	7951	0.763	1.32	1 Aroclor 1221	CO
6.085	192	324	1.688	0.02		
6.163	7420	5021	0.677	0.94	1 Aroclor 1221	CO
6.197	362	320	0.884	0.04		
6.255	4485	3794	0.846	0.57	1 Aroclor 1221	CO
6.287	833	613	0.736	0.10		
6.332	1863	1445	0.776	0.23		
6.372	1624	1262	0.777	0.20		
6.410	1538	807	0.525	0.19		
6.470	2022	1377	0.681	0.25		
6.568	2218	1870	0.843	0.28		
6.620	2052	1050	0.512	0.26		
6.672	2474	1546	0.625	0.31		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.797	568	530	0.933	0.07	
6.827	1253	995	0.794	0.15	
6.875	1734	1485	0.856	0.22	
6.913	2180	1700	0.780	0.27	
7.097	2162	1488	0.688	0.27	
7.277	873	262	0.300	0.11	
7.407	521	420	0.807	0.06	
7.537	492	156	0.317	0.06	
8.008	453	307	0.677	0.05	
8.798	799	502	0.628	0.10	
8.868	475	0	0.000	0.06	
8.927	1007	815	0.809	0.12	
9.013	1074	690	0.642	0.13	
9.508	3475	1844	0.531	0.44	
9.702	1382	346	0.250	0.17	
9.812	281619	180032	0.639	36.07	
	786302	579179		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707004.d
Lab Smp Id: 1221-CAL3S Client Smp ID: 1221-CAL3S
Inj Date : 07-JUL-2020 13:48
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1221-cal3s,254101:1
Misc Info : 21329,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Aroclor 1221					CAS #: 11104-28-2				
4.956	4.956	0.000	27340	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.108	5.109	-0.001	18453	0.50000	0.50	0.00-	20.00	67.49	CO
5.176	5.176	0.000	65850	0.50000	0.50	0.00-	20.00	240.86	CO
6.020	6.020	0.000	6159	0.50000	0.50	0.00-	20.00	22.53	CO
6.040	6.040	0.000	10416	0.50000	0.50	0.00-	20.00	38.10	CO
6.163	6.163	0.000	7419	0.50000	0.50	0.00-	20.00	27.14	CO
6.255	6.254	0.001	4484	0.50000	0.50	0.00-	20.00	16.40	CO
Average of Peak Amounts =					0.50000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 13:48

Client ID: 1221-CAL3S

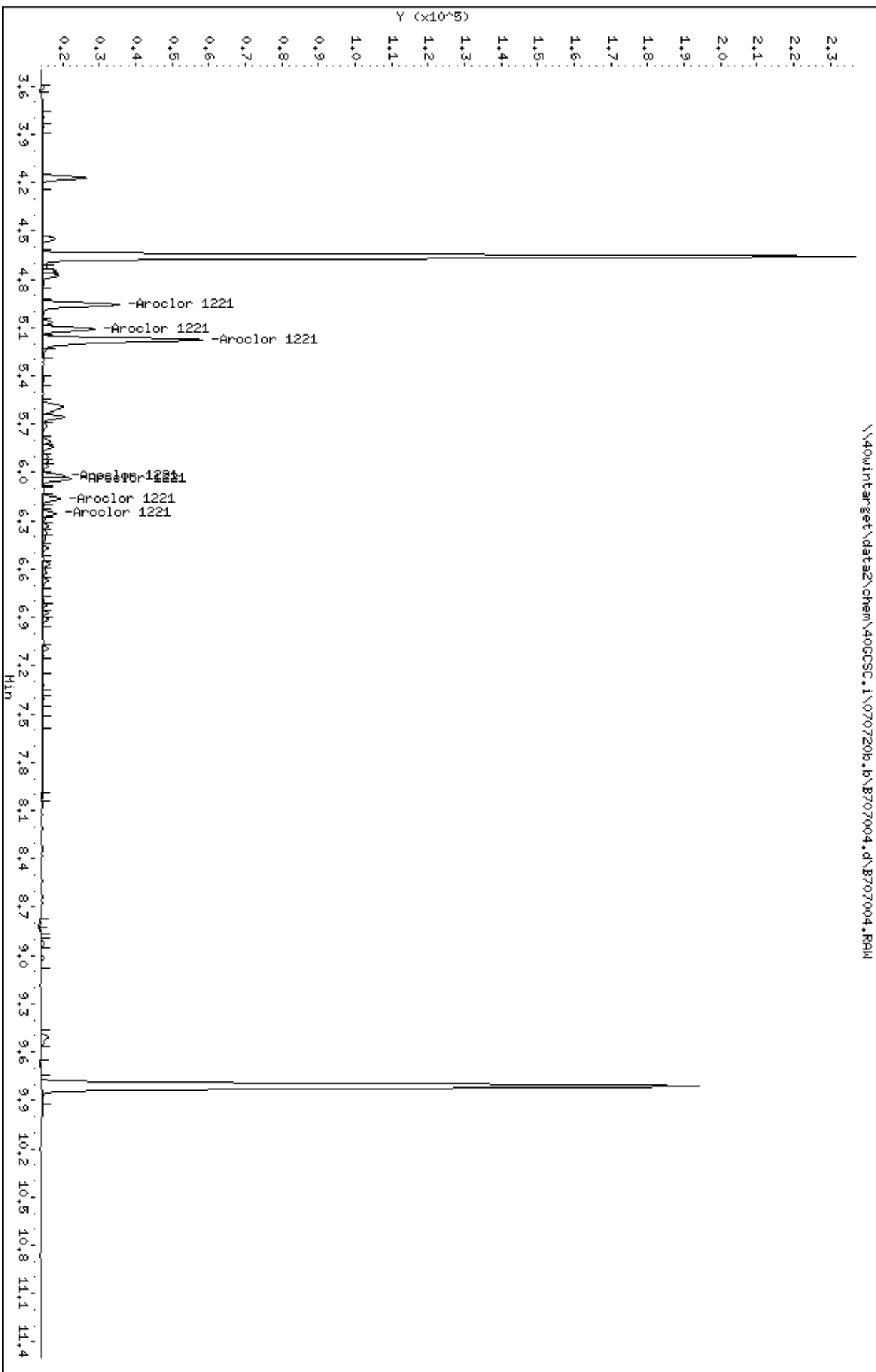
Sample Info: 1221-CAL3S,254101:1

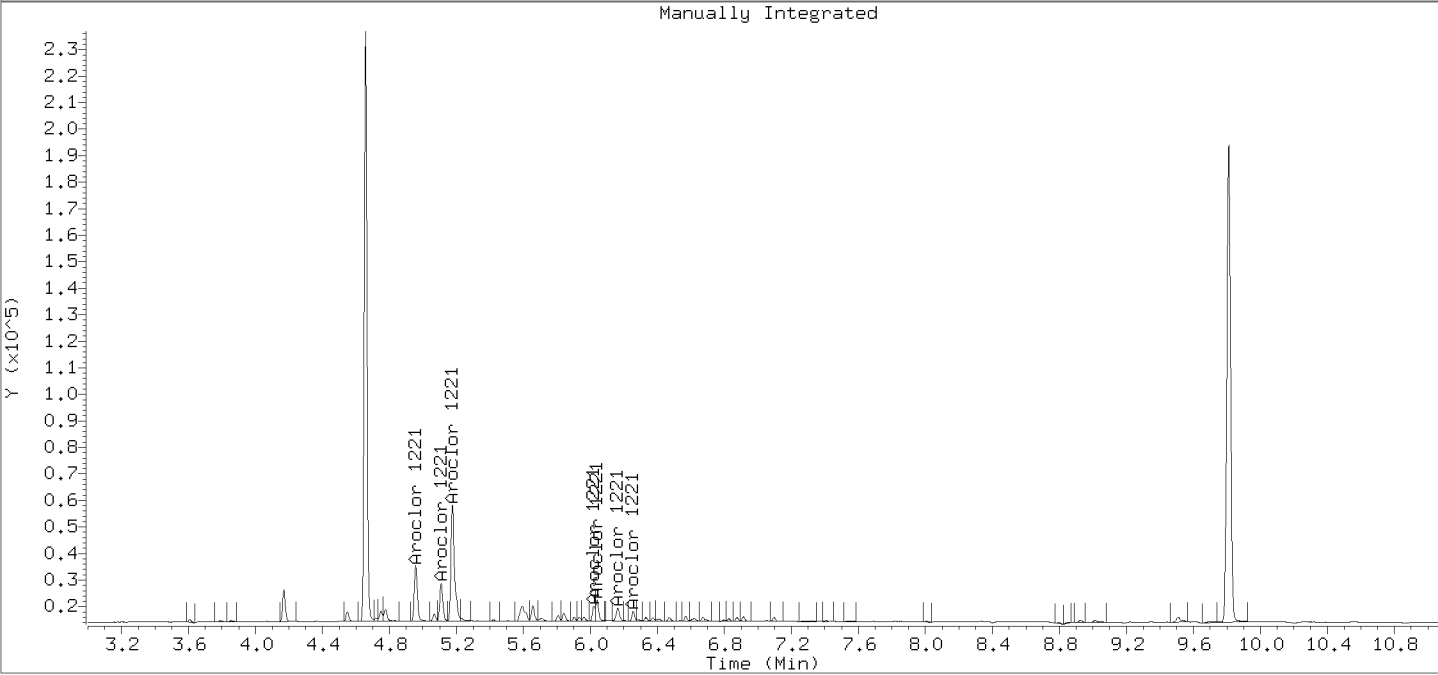
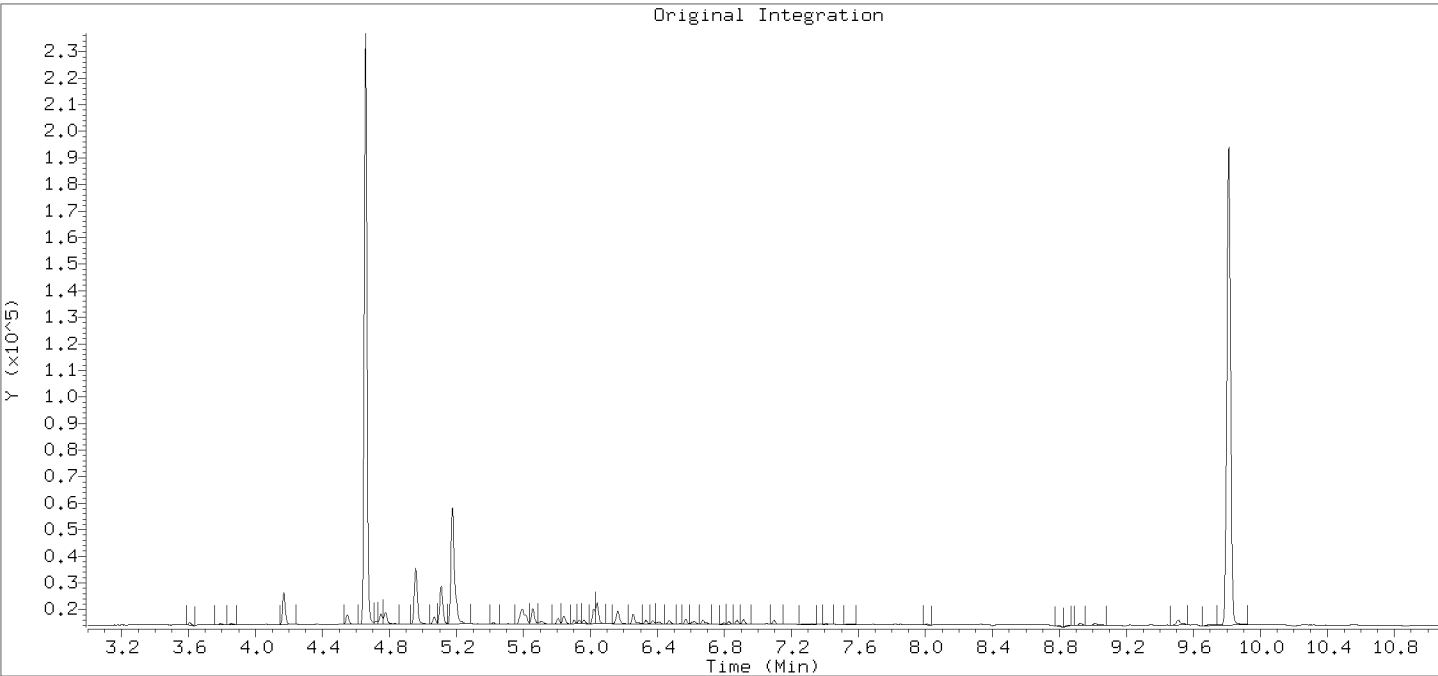
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO
Aroclor 1221	0	27340	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707005.d
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 07-JUL-2020 14:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1232-cal3s,254104:1
Misc Info : 21329,NSAR1232
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1232.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.692	1300	899	0.692	0.09		
4.127	10923	7517	0.688	0.79		
4.562	2939	1945	0.662	0.21		
4.647	3217	2139	0.665	0.23		
4.680	3958	3466	0.876	0.28		
4.723	286874	203506	0.709	20.82		
4.905	19436	11344	0.584	1.41	4 Aroclor 1232	CO
5.073	13191	9124	0.692	0.95	4 Aroclor 1232	CO
5.120	57370	35426	0.618	4.16	4 Aroclor 1232	CO
5.167	8052	4092	0.508	0.58		
5.265	3049	1860	0.610	0.22		
5.507	41171	20131	0.489	2.98		
5.575	5764	2672	0.464	0.41		
5.642	10191	5437	0.534	0.73		
5.700	12159	9515	0.783	0.88		
5.727	19710	12771	0.648	1.43		
5.795	1584	689	0.435	0.11		
5.875	1358	1178	0.867	0.09		
5.907	13053	6659	0.510	0.94		
5.958	32677	29103	0.891	2.37	4 Aroclor 1232	CO
5.982	63693	39900	0.626	4.62	4 Aroclor 1232	CO
6.033	7783	4624	0.594	0.56		
6.073	2330	1769	0.759	0.16		
6.108	33557	24017	0.716	2.43	4 Aroclor 1232	CO
6.128	7578	8032	1.060	0.55		
6.167	28195	18222	0.646	2.04	4 Aroclor 1232	CO
6.272	20540	14649	0.713	1.49		
6.297	20337	15018	0.738	1.47		
6.330	16953	10422	0.615	1.23		
6.477	39493	22439	0.568	2.86		
6.552	17121	13959	0.815	1.24		
6.585	24567	14466	0.589	1.78		
6.680	9818	6273	0.639	0.71		
6.725	1969	1551	0.788	0.14		
6.760	16806	12453	0.741	1.21		
6.797	7415	5703	0.769	0.53		
6.830	28238	23368	0.828	2.04		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.857	37182	24412	0.657	2.69	
6.922	2059	1322	0.642	0.14	
6.962	1363	1361	0.998	0.09	
6.992	21879	14541	0.665	1.58	
7.020	30342	17362	0.572	2.20	
7.192	5026	3975	0.791	0.36	
7.225	6636	5607	0.845	0.48	
7.260	4281	3525	0.824	0.31	
7.318	10778	8510	0.790	0.78	
7.413	6700	3560	0.531	0.48	
7.452	2297	1578	0.687	0.16	
7.487	1297	853	0.658	0.09	
7.522	9306	6061	0.651	0.67	
7.647	2898	1580	0.545	0.21	
7.730	7582	5535	0.730	0.55	
7.855	3015	2169	0.719	0.21	
7.928	758	650	0.857	0.05	
8.010	643	369	0.574	0.04	
8.063	737	564	0.766	0.05	
8.107	780	615	0.788	0.05	
8.178	533	274	0.514	0.03	
8.227	2606	934	0.358	0.18	
8.323	2148	1204	0.560	0.15	
8.440	1078	286	0.265	0.07	
8.485	1279	613	0.479	0.09	
8.552	2019	732	0.363	0.14	
8.607	1493	508	0.340	0.10	
8.690	2425	780	0.322	0.17	
8.763	1699	1118	0.658	0.12	
8.833	2200	900	0.409	0.15	
8.923	934	266	0.285	0.06	
8.987	739	278	0.376	0.05	
9.065	1830	527	0.288	0.13	
9.155	2965	609	0.205	0.21	
9.287	713	268	0.376	0.05	
9.342	4113	2206	0.536	0.29	
9.405	556	282	0.508	0.04	
9.542	291681	187007	0.641	21.56	
9.680	2784	700	0.251	0.20	
9.810	2428	772	0.318	0.17	
10.298	878	337	0.384	0.06	
11.037	816	266	0.326	0.05	
	1377844	911354		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707005.d
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 07-JUL-2020 14:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1232-cal3s,254104:1
Misc Info : 21329,NSAR1232
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1232.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
4.905	4.905	0.000	19436	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.073	5.073	0.000	13190	0.50000	0.50	0.00-	20.00	67.86	CO
5.120	5.120	0.000	57369	0.50000	0.50	0.00-	20.00	295.17	CO
5.958	5.958	0.000	32677	0.50000	0.50	0.00-	20.00	168.13	CO
5.981	5.981	0.000	63692	0.50000	0.50	0.00-	20.00	327.70	CO
6.108	6.108	0.000	33556	0.50000	0.50	0.00-	20.00	172.65	CO
6.166	6.166	0.000	28194	0.50000	0.50	0.00-	20.00	145.06	CO
Average of Peak Amounts =					0.50000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 14:06

Client ID: 1232-CAL3S

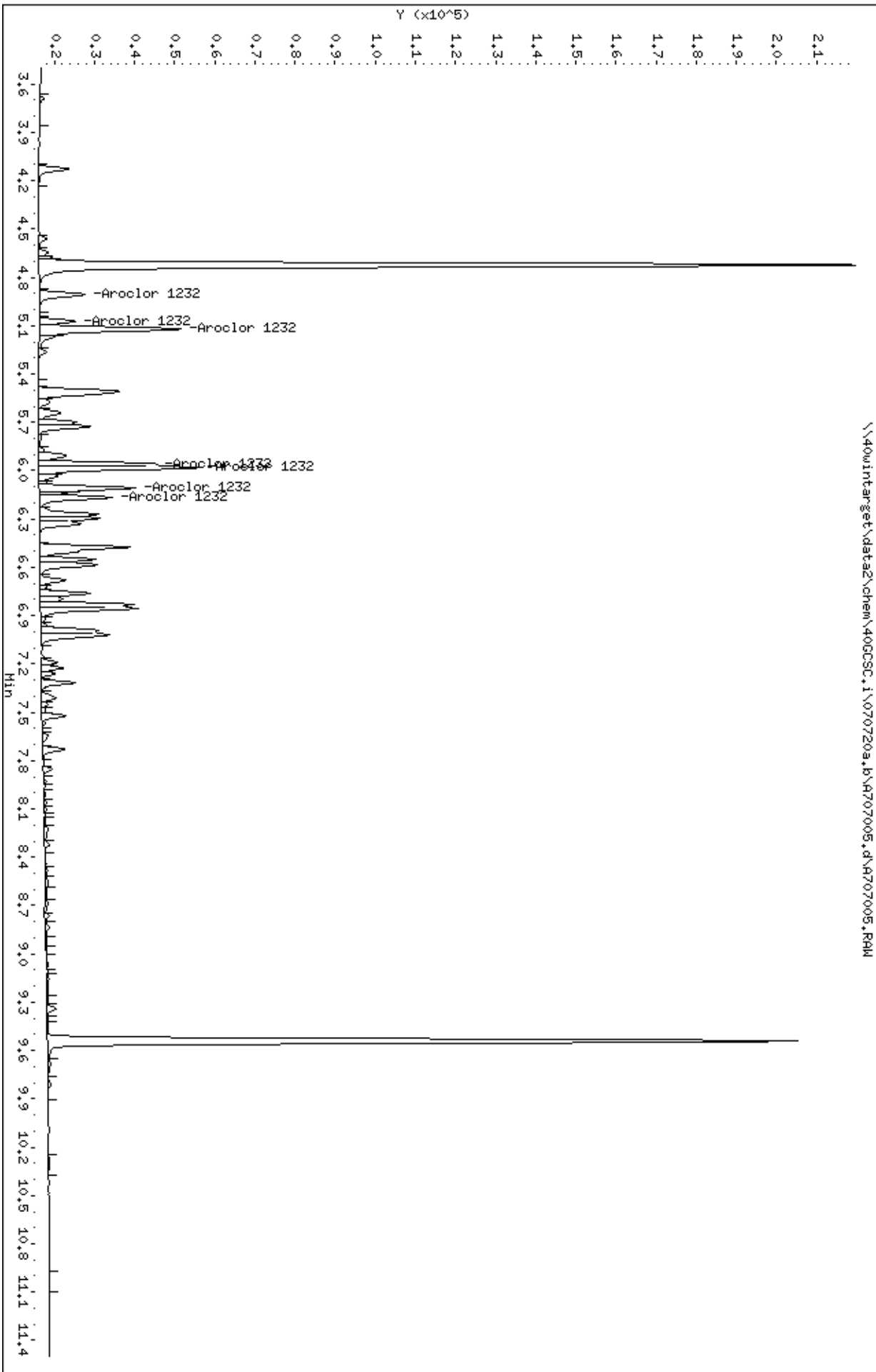
Sample Info: 1232-CAL3S,254104:1

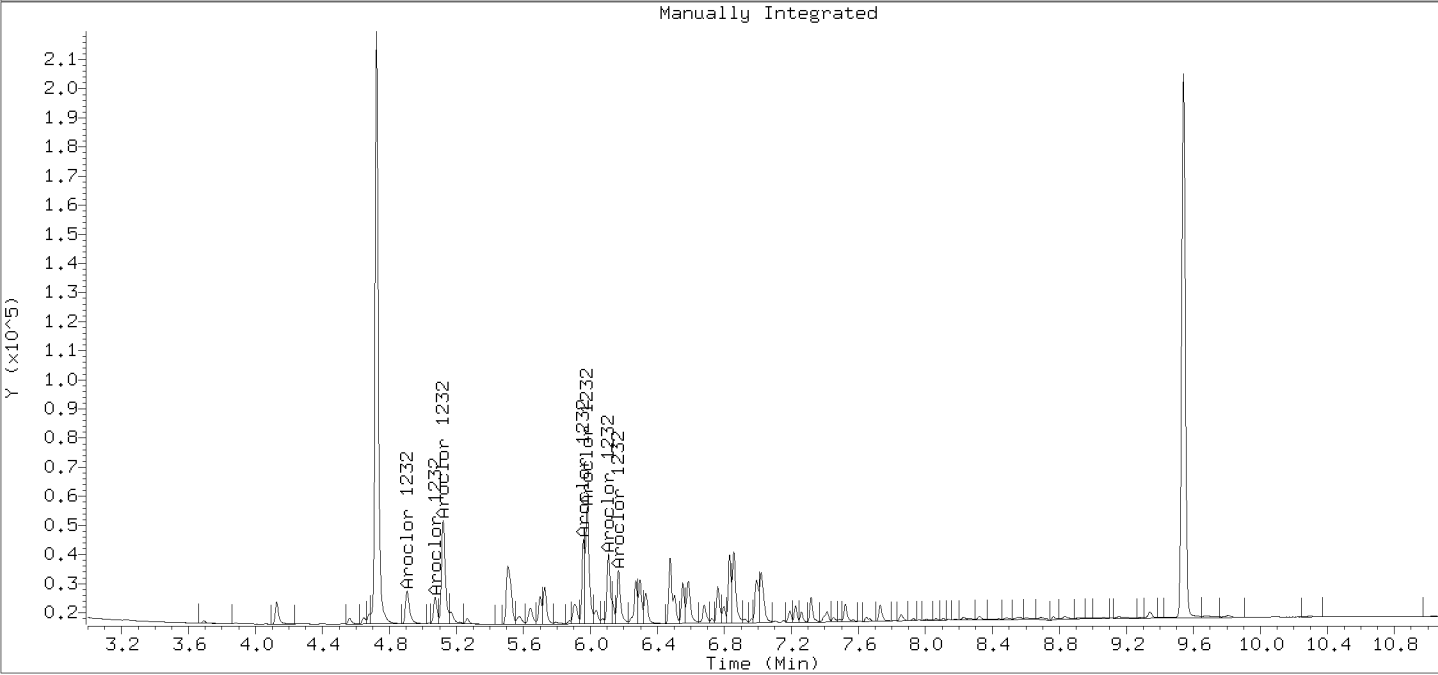
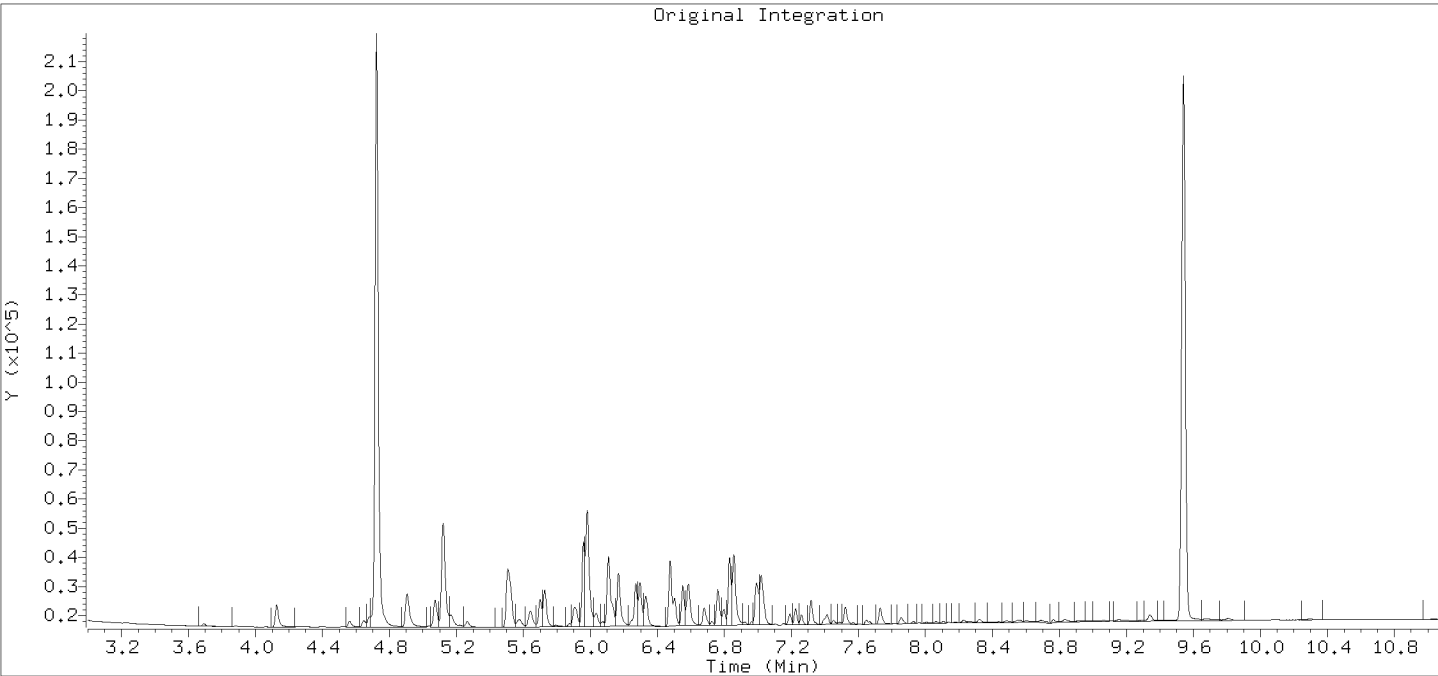
Column phase: Rtx-CLP

Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO
Aroclor 1232	0	19436	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707005.d
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 07-JUL-2020 14:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1232-cal3s,254104:1
Misc Info : 21329,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1232.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.605	1221	1015	0.831	0.09		
3.792	522	438	0.839	0.04		
3.855	484	403	0.832	0.03		
4.170	7560	6632	0.877	0.60		
4.548	2444	2043	0.836	0.19		
4.657	258028	224915	0.872	20.49		
4.750	3364	2574	0.765	0.26		
4.775	5173	3505	0.678	0.41		
4.908	236	132	0.559	0.01		
4.957	18014	13633	0.757	1.43	4 Aroclor 1232	CO
5.067	3093	2590	0.837	0.24		
5.110	13361	10339	0.774	1.06	4 Aroclor 1232	CO
5.175	53208	36093	0.678	4.22	4 Aroclor 1232	CO
5.230	1498	939	0.627	0.11		
5.420	2472	1998	0.808	0.19		
5.595	38083	19255	0.506	3.02		
5.655	7427	5420	0.730	0.58		
5.710	5619	3109	0.553	0.44		
5.805	12075	10353	0.857	0.95		
5.842	16772	13178	0.786	1.33		
5.902	1844	1623	0.880	0.14		
5.932	7947	6624	0.834	0.63		
5.960	6177	4749	0.769	0.49		
6.020	33629	33480	0.996	2.67	4 Aroclor 1232	CO
6.038	58480	44201	0.756	4.64	4 Aroclor 1232	CO
6.162	35729	26653	0.746	2.83	4 Aroclor 1232	CO
6.202	2242	1806	0.806	0.17		
6.255	23808	20605	0.865	1.89	4 Aroclor 1232	CO
6.287	6642	5432	0.818	0.52		
6.332	17935	15529	0.866	1.42		
6.372	18041	14684	0.814	1.43		
6.408	16520	9619	0.582	1.31		
6.470	4542	2926	0.644	0.36		
6.535	926	680	0.734	0.07		
6.568	26484	23756	0.897	2.10		
6.607	17753	9771	0.550	1.41		
6.672	31617	20675	0.654	2.51		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.733	2518	1722	0.684	0.19	
6.797	8546	7662	0.897	0.67	
6.825	16845	14447	0.858	1.33	
6.873	28454	25224	0.886	2.26	
6.913	34496	29033	0.842	2.74	
6.973	2929	2150	0.734	0.23	
7.005	3409	2597	0.762	0.27	
7.052	6850	5818	0.849	0.54	
7.095	33827	28547	0.844	2.68	
7.135	6245	3674	0.588	0.49	
7.230	991	854	0.862	0.07	
7.275	4811	3863	0.803	0.38	
7.320	6939	5718	0.824	0.55	
7.367	4260	3797	0.891	0.33	
7.407	12716	9048	0.712	1.01	
7.488	1365	600	0.440	0.10	
7.537	5176	3771	0.729	0.41	
7.565	7853	6444	0.821	0.62	
7.643	543	441	0.812	0.04	
7.687	2235	1498	0.670	0.17	
7.820	7467	6129	0.821	0.59	
7.943	2272	1710	0.753	0.18	
8.003	1416	708	0.500	0.11	
8.212	1157	637	0.550	0.09	
8.265	499	308	0.617	0.03	
8.308	1415	451	0.319	0.11	
8.382	1290	1127	0.874	0.10	
8.673	1126	451	0.401	0.08	
8.798	696	459	0.660	0.05	
8.868	1540	570	0.370	0.12	
8.925	3236	1184	0.366	0.25	
9.013	1756	742	0.423	0.13	
9.165	491	365	0.743	0.03	
9.508	3301	1901	0.576	0.26	
9.700	815	224	0.275	0.06	
9.808	278507	175424	0.630	22.45	
	1258964	950675		100.000	

Total unknown % area = 81

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707005.d
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 07-JUL-2020 14:06
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1232-cal3s,254104:1
Misc Info : 21329,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1232.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
4.956	4.956	0.000	18013	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.110	5.110	0.000	13361	0.50000	0.50	0.00-	20.00	74.17	CO
5.175	5.174	0.001	53208	0.50000	0.50	0.00-	20.00	295.39	CO
6.020	6.020	0.000	33629	0.50000	0.50	0.00-	20.00	186.69	CO
6.038	6.038	0.000	58479	0.50000	0.50	0.00-	20.00	324.65	CO
6.161	6.161	0.000	35728	0.50000	0.50	0.00-	20.00	198.35	CO
6.255	6.254	0.001	23808	0.50000	0.50	0.00-	20.00	132.17	CO
Average of Peak Amounts =					0.50000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 14:06

Client ID: 1232-CAL3S

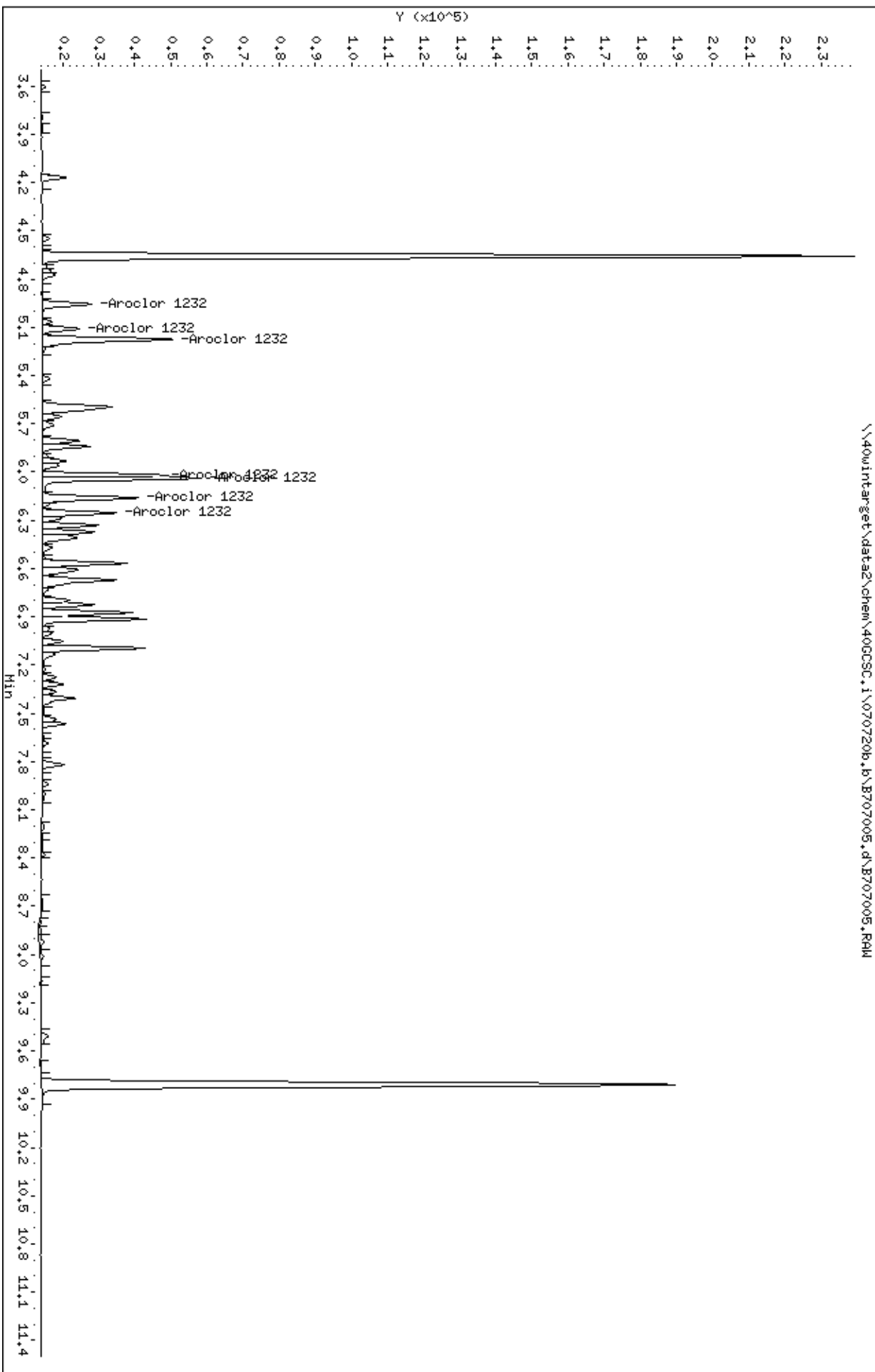
Sample Info: 1232-CAL3S,254104:1

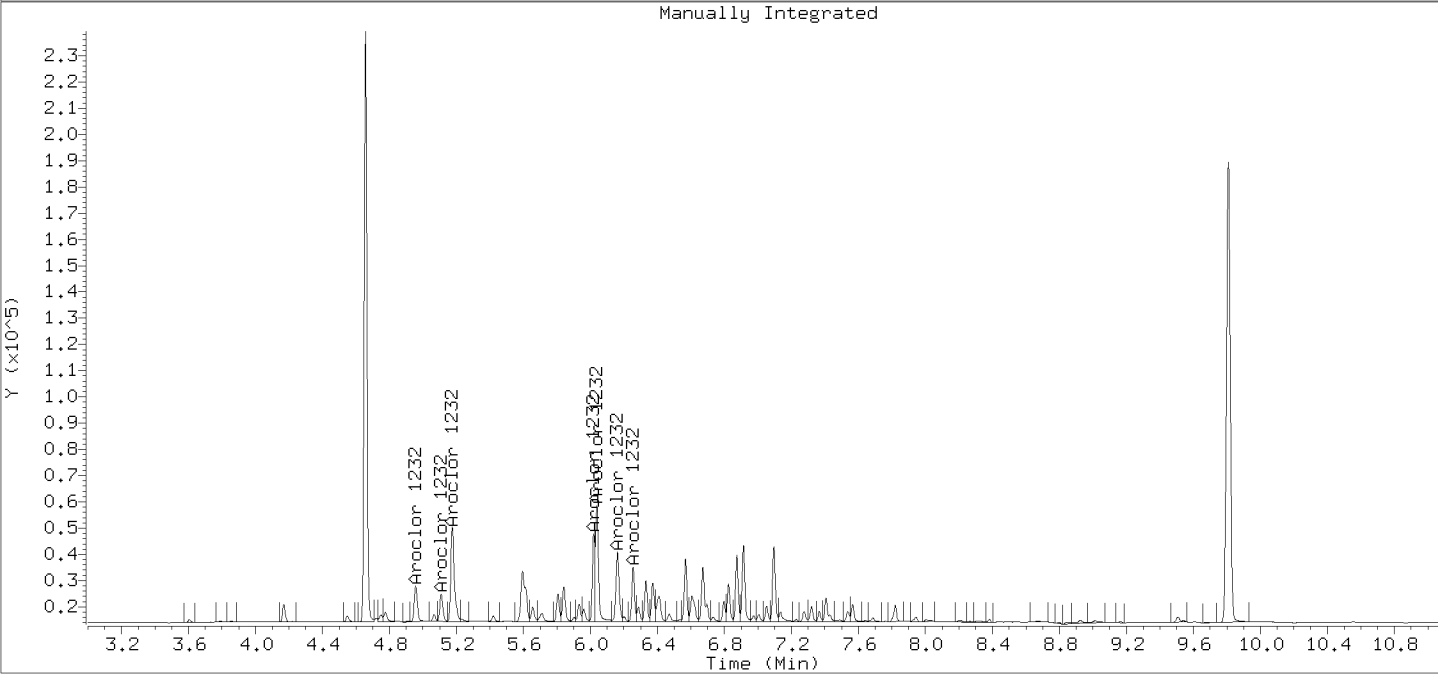
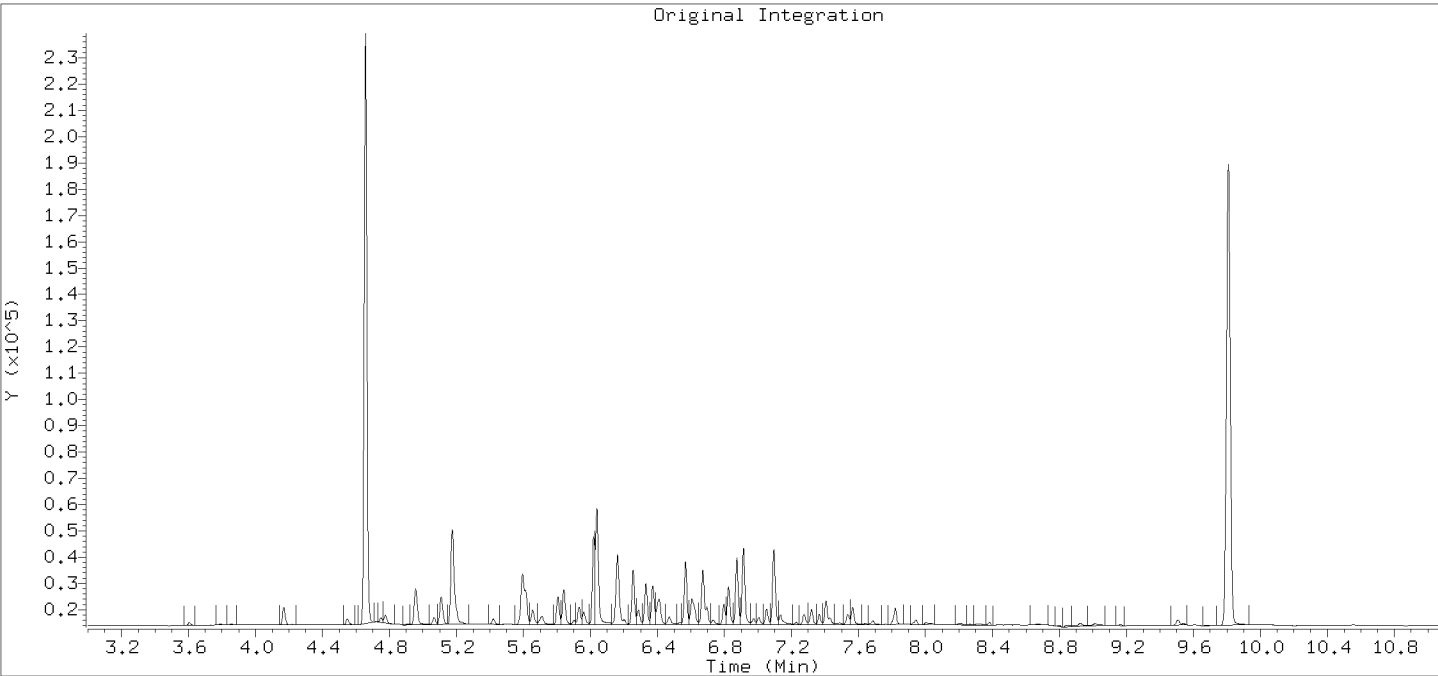
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO
Aroclor 1232	0	18013	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707008.d
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 07-JUL-2020 15:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal1b,254106:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.138	523	166	0.317	0.17		
4.287	691	171	0.247	0.23		
4.402	1251	324	0.259	0.42		
4.528	710	217	0.306	0.23		
4.727	56387	36738	0.652	19.00		
4.908	617	352	0.570	0.20		
5.042	1431	745	0.521	0.48		
5.077	1139	680	0.597	0.38		
5.125	3894	2286	0.587	1.31	3 Aroclor 1242	CO
5.173	1425	642	0.450	0.48		
5.512	7917	3889	0.491	2.66	3 Aroclor 1242	CO
5.573	766	410	0.536	0.25		
5.640	709	427	0.602	0.23		
5.703	2020	1666	0.825	0.68		
5.730	3438	2331	0.678	1.15		
5.910	2156	1125	0.522	0.72		
5.962	5945	5204	0.875	2.00	3 Aroclor 1242	CO
5.983	11420	6893	0.604	3.84	3 Aroclor 1242	CO
6.035	2133	966	0.453	0.71		
6.112	8342	4207	0.504	2.81		
6.172	5487	3261	0.594	1.84	3 Aroclor 1242	CO
6.275	9250	3495	0.378	3.11		
6.333	3861	2257	0.585	1.30		
6.478	8252	4469	0.542	2.78		
6.555	3507	2779	0.792	1.18		
6.588	4581	2768	0.604	1.54		
6.683	2573	1215	0.472	0.86		
6.763	3205	2436	0.760	1.08		
6.795	2592	1520	0.586	0.87		
6.833	5550	4373	0.788	1.87	3 Aroclor 1242	CO
6.858	6361	4603	0.724	2.14	3 Aroclor 1242	CO
6.878	1660	1437	0.866	0.55		
6.995	4091	2833	0.692	1.37		
7.028	13594	8132	0.598	4.58		
7.193	1317	974	0.740	0.44		
7.227	1524	1229	0.807	0.51		
7.263	970	778	0.802	0.32		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.320	2172	1721	0.792	0.73	
7.418	3235	1615	0.499	1.09	
7.525	2279	1424	0.625	0.76	
7.650	547	339	0.619	0.18	
7.732	1561	1200	0.769	0.52	
7.857	1147	736	0.642	0.38	
8.010	1360	848	0.623	0.45	
8.103	570	205	0.360	0.19	
8.230	970	632	0.652	0.32	
8.265	1213	619	0.510	0.40	
8.325	786	328	0.417	0.26	
8.425	629	250	0.397	0.21	
8.487	1946	768	0.395	0.65	
8.572	1227	457	0.372	0.41	
8.602	1160	428	0.369	0.39	
8.692	2585	854	0.330	0.87	
8.768	1203	708	0.589	0.40	
8.838	1329	510	0.384	0.44	
8.932	974	208	0.214	0.32	
9.068	1152	335	0.291	0.38	
9.160	3520	725	0.206	1.18	
9.312	968	269	0.278	0.32	
9.345	2922	1501	0.514	0.98	
9.413	554	207	0.374	0.18	
9.487	517	175	0.339	0.17	
9.547	64328	40260	0.626	22.00	
9.687	2047	607	0.297	0.68	
10.305	1328	462	0.348	0.44	
11.047	1217	370	0.304	0.41	
	296732	176759		100.000	

Total unknown % area = 84

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707008.d
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 07-JUL-2020 15:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal1b,254106:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.125	5.123	0.002	3893	0.05000	0.050	0.00- 20.00	100.00 (M)	CO	
5.511	5.510	0.001	7916	0.05000	0.050	0.00- 20.00	203.34	CO	
5.961	5.960	0.001	5944	0.05000	0.045	0.00- 20.00	152.68	CO	
5.983	5.982	0.001	11419	0.05000	0.050	0.00- 20.00	293.32	CO	
6.170	6.169	0.001	5486	0.05000	0.053	0.00- 20.00	140.92	CO	
6.833	6.832	0.001	5549	0.05000	0.049	0.00- 20.00	142.54	CO	
6.858	6.858	0.000	6360	0.05000	0.046	0.00- 20.00	163.37	CO	
Average of Peak Amounts =					0.04900				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:00

Client ID: 1242-CAL1B

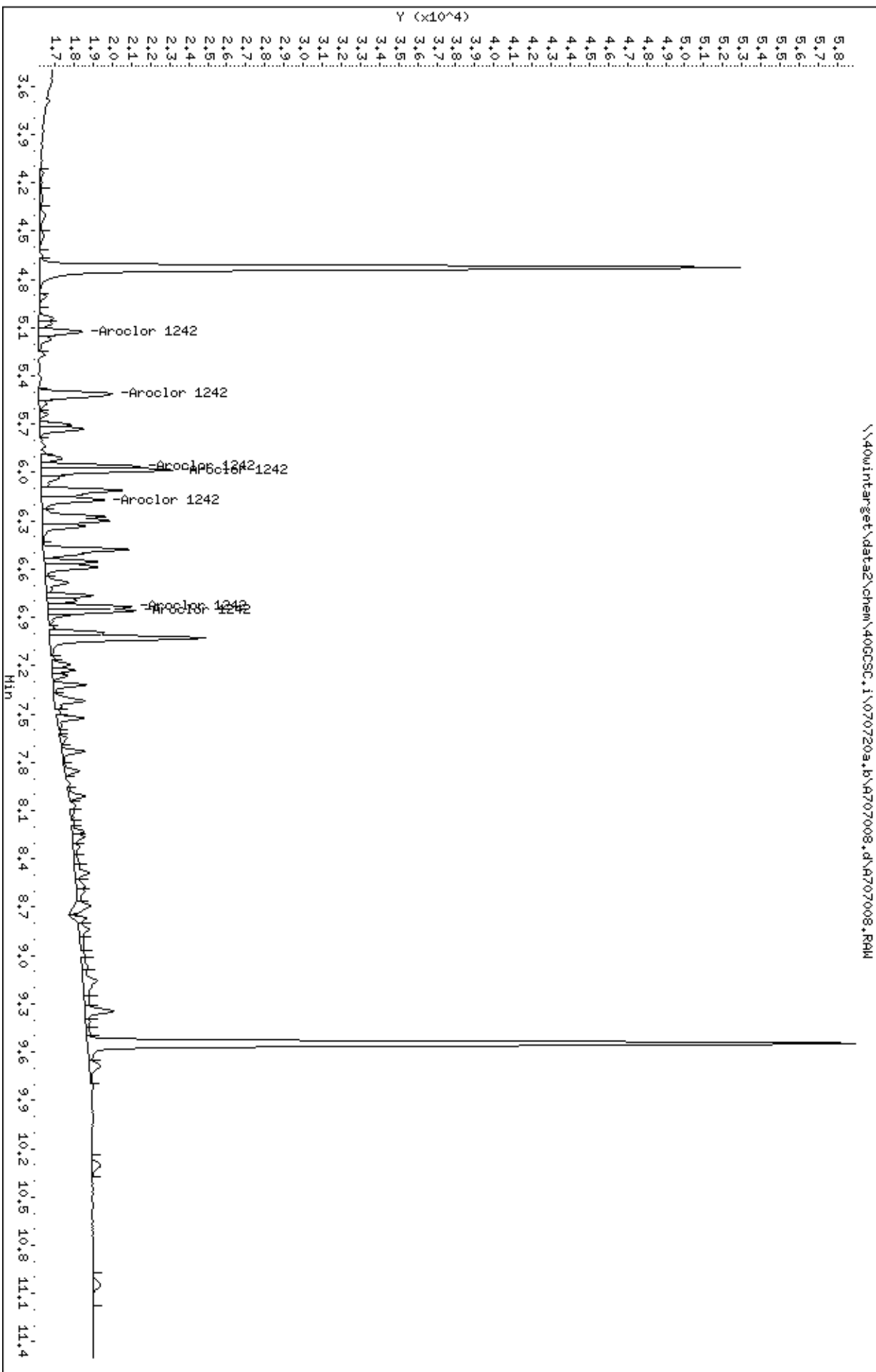
Sample Info: 1242-CAL1B.254106:1

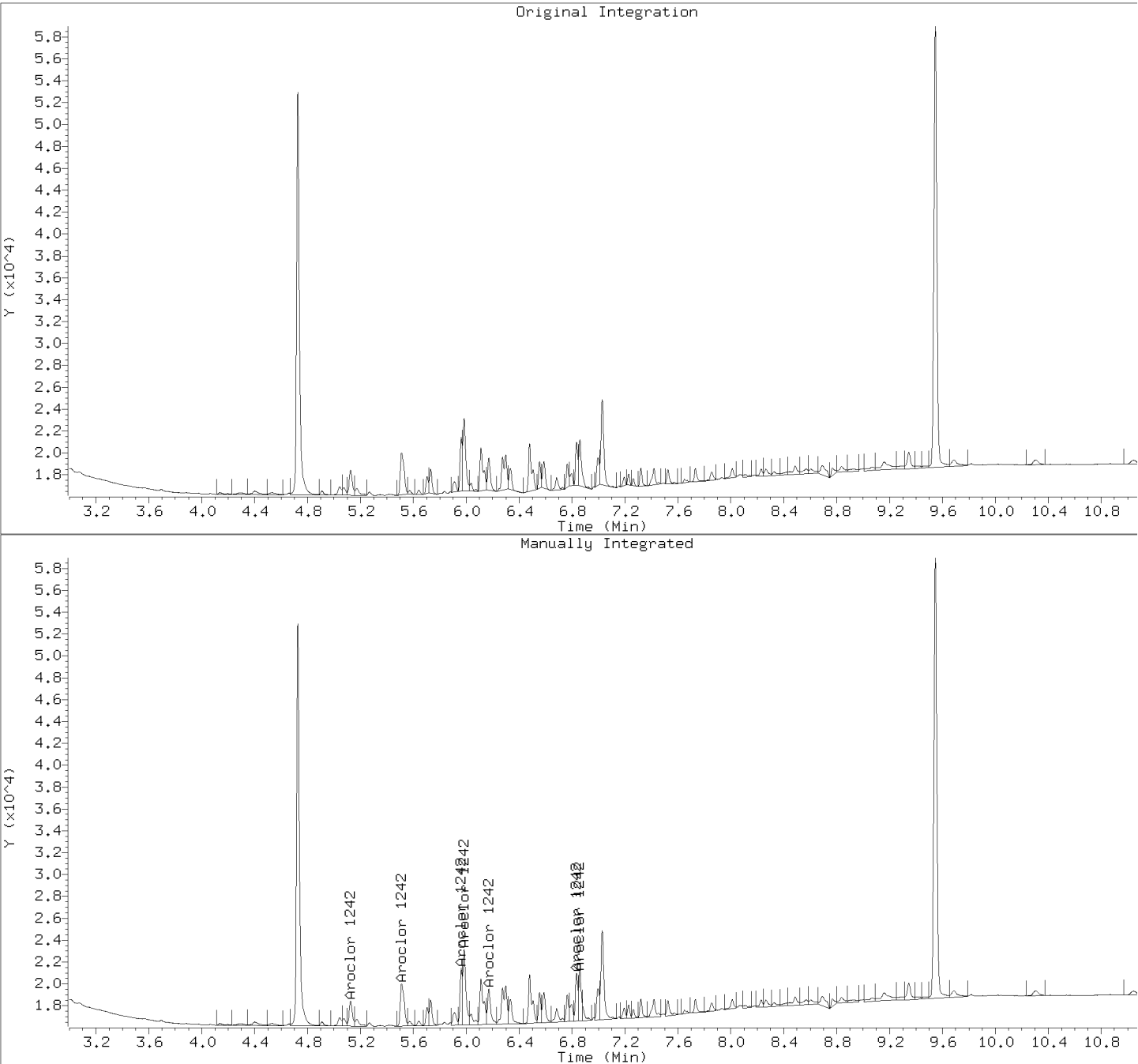
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO
Aroclor 1242	0	3893	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707008.d
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 07-JUL-2020 15:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal1b,254106:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.222	1202	279	0.232	0.46		
4.373	620	158	0.255	0.24		
4.660	51132	42365	0.829	19.92		
4.785	1253	498	0.397	0.48		
4.958	1204	559	0.464	0.46		
5.072	692	531	0.767	0.26		
5.113	802	570	0.710	0.31		
5.180	3887	2675	0.688	1.51	3 Aroclor 1242	CO
5.233	303	174	0.574	0.11		
5.423	530	402	0.759	0.20		
5.598	6951	3644	0.524	2.70	3 Aroclor 1242	CO
5.658	611	399	0.653	0.23		
5.713	1586	688	0.434	0.61		
5.810	2323	1932	0.832	0.90		
5.845	3383	2487	0.735	1.31		
5.937	2869	1282	0.447	1.11		
6.023	6563	6335	0.965	2.55	3 Aroclor 1242	CO
6.042	11836	8545	0.722	4.61	3 Aroclor 1242	CO
6.102	208	351	1.684	0.08		
6.165	7637	4902	0.642	2.97		
6.258	4693	3744	0.798	1.82	3 Aroclor 1242	CO
6.290	1681	1279	0.761	0.65		
6.333	4794	3758	0.784	1.86		
6.375	4025	3130	0.778	1.56		
6.413	3808	2105	0.553	1.48		
6.473	8380	5888	0.703	3.26		
6.572	6008	4941	0.822	2.34		
6.610	3692	1984	0.537	1.43		
6.675	6532	4201	0.643	2.54		
6.735	903	473	0.524	0.35		
6.800	1771	1568	0.885	0.69		
6.828	4540	3526	0.777	1.76		
6.877	5686	4827	0.849	2.21	3 Aroclor 1242	CO
6.917	6786	5454	0.804	2.64	3 Aroclor 1242	CO
7.055	1347	1163	0.863	0.52		
7.098	6504	5268	0.810	2.53		
7.138	1253	765	0.611	0.48		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.278	1668	1031	0.618	0.65	
7.323	1794	1302	0.726	0.69	
7.370	1185	873	0.737	0.46	
7.410	2529	1840	0.728	0.98	
7.540	848	678	0.800	0.33	
7.568	1571	1429	0.909	0.61	
7.690	709	425	0.599	0.27	
7.823	1566	1267	0.809	0.61	
7.947	574	423	0.737	0.22	
8.010	1038	853	0.822	0.40	
8.333	1660	508	0.306	0.64	
8.672	505	223	0.442	0.19	
8.803	659	421	0.639	0.25	
8.882	1452	396	0.273	0.56	
8.930	1239	544	0.439	0.48	
9.018	557	320	0.575	0.21	
9.515	2112	1236	0.585	0.82	
9.817	56913	35443	0.623	22.49	
	256576	182062		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707008.d
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 07-JUL-2020 15:00
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal1b,254106:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.180	5.179	0.001	3886	0.05000	0.052	0.00-	20.00	100.00 (M)	CO
5.598	5.597	0.001	6950	0.05000	0.050	0.00-	20.00	178.85	CO
6.023	6.021	0.002	6562	0.05000	0.050	0.00-	20.00	168.86	CO
6.041	6.040	0.001	11835	0.05000	0.055	0.00-	20.00	304.55	CO
6.258	6.257	0.001	4693	0.05000	0.053	0.00-	20.00	120.77	CO
6.876	6.876	0.000	5686	0.05000	0.051	0.00-	20.00	146.32	CO
6.916	6.916	0.000	6785	0.05000	0.051	0.00-	20.00	174.60	CO
Average of Peak Amounts =					0.05171				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:00

Client ID: 1242-CAL1B

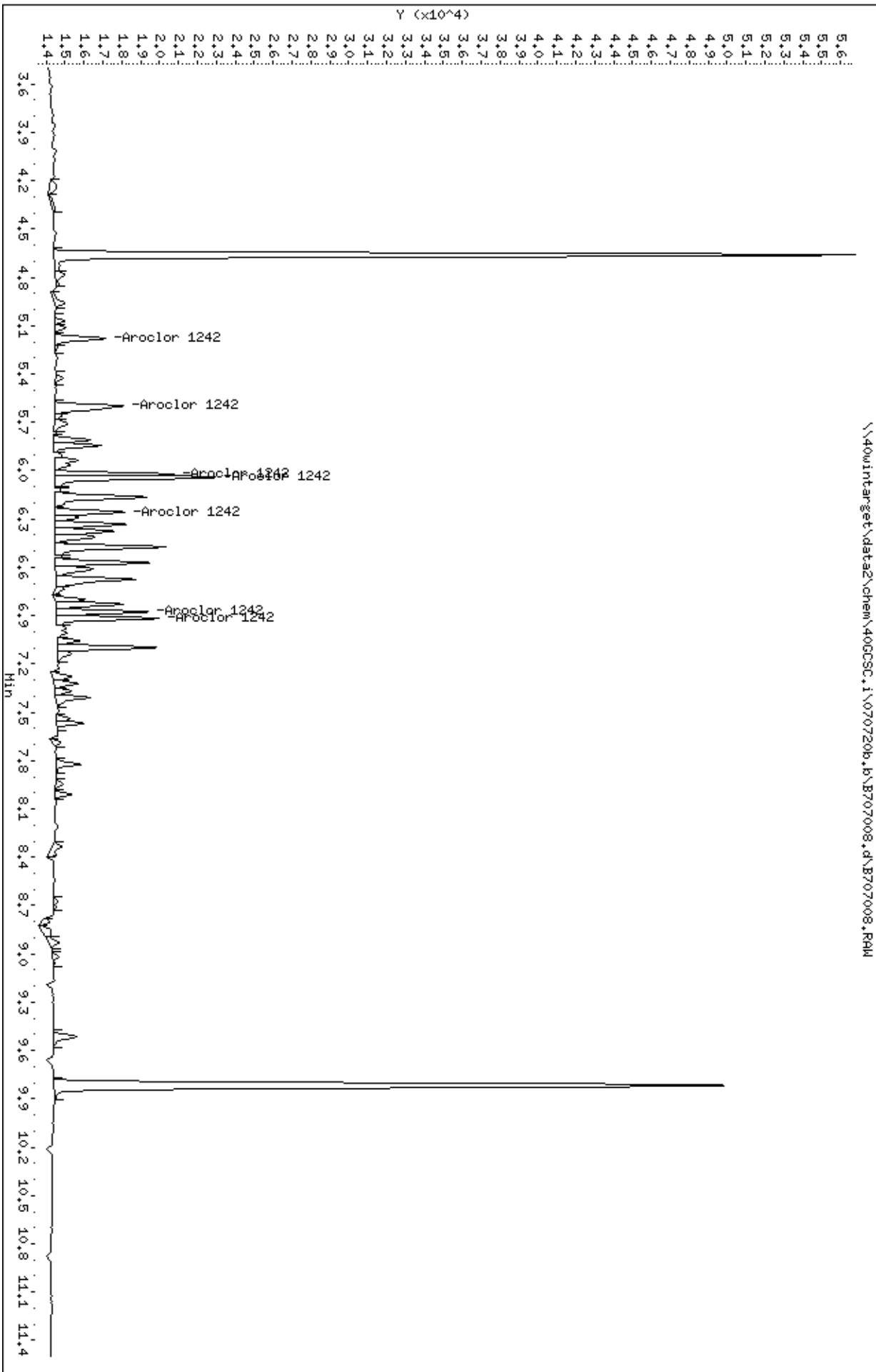
Sample Info: 1242-CAL1B,254106:1

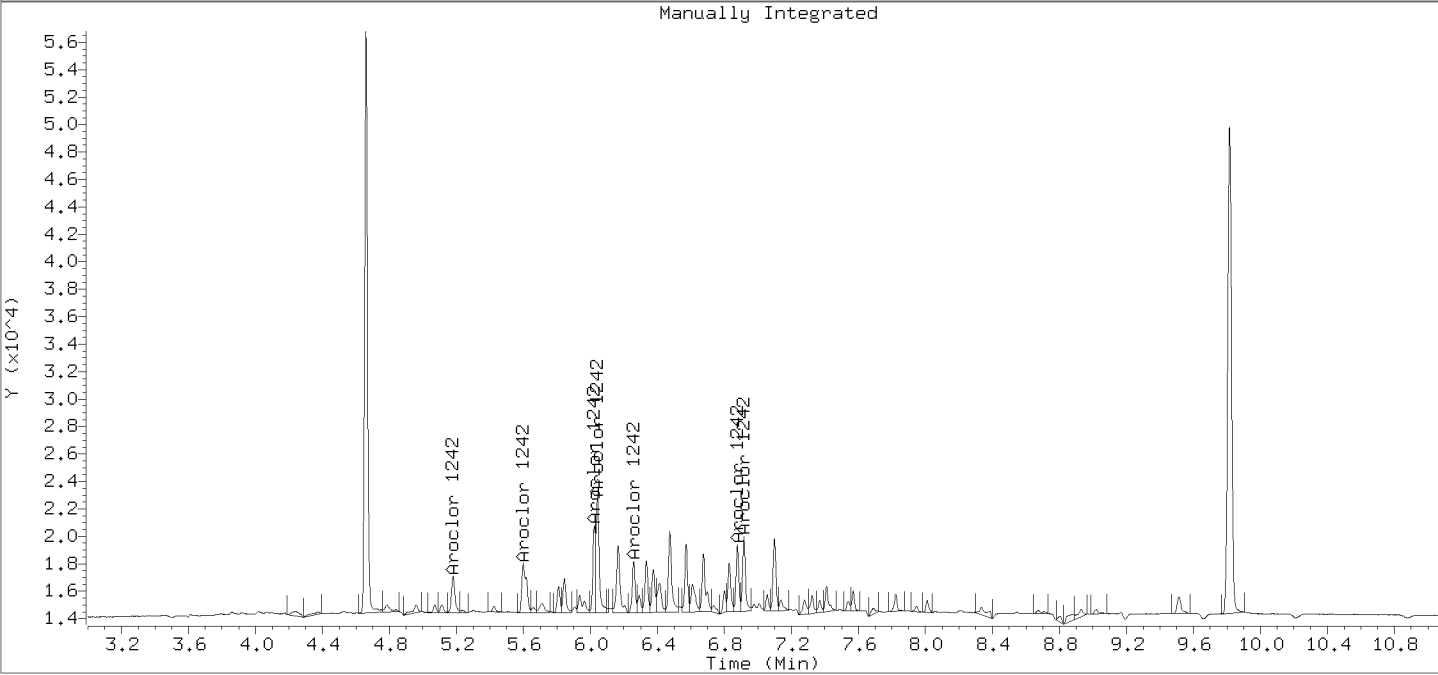
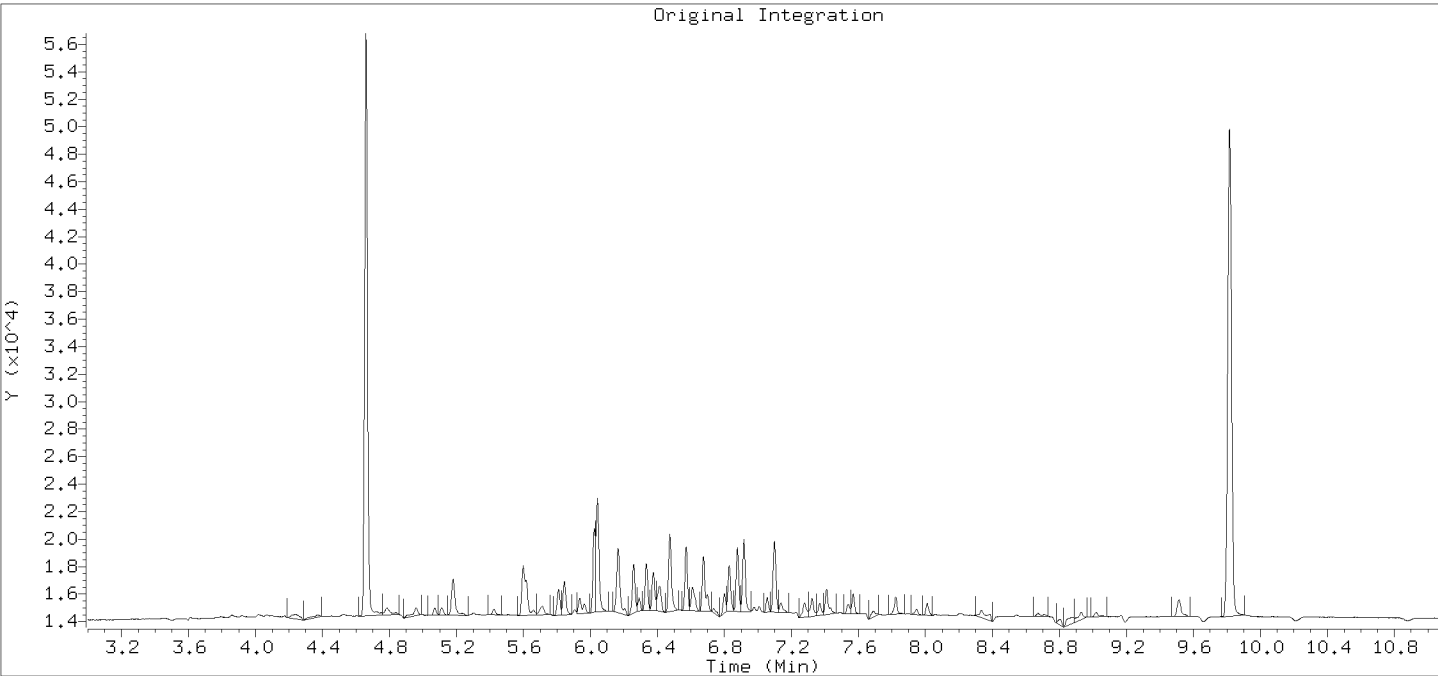
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO
Aroclor 1242	0	3886	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707009.d
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 07-JUL-2020 15:19
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal2b,254107:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.068	704	181	0.257	0.09		
4.133	1198	443	0.370	0.15		
4.657	639	419	0.656	0.08		
4.727	114429	77032	0.673	14.90		
4.908	2771	1607	0.580	0.36		
5.077	2989	2001	0.669	0.38		
5.125	15554	9371	0.602	2.02	3 Aroclor 1242	CO
5.172	2791	1585	0.568	0.36		
5.270	2267	1454	0.641	0.29		
5.512	32631	15629	0.479	4.24	3 Aroclor 1242	CO
5.568	2139	1219	0.570	0.27		
5.642	3808	2151	0.565	0.49		
5.705	8962	7046	0.786	1.16		
5.730	14637	9802	0.670	1.90		
5.910	9831	4871	0.495	1.28		
5.962	26220	21616	0.824	3.41	3 Aroclor 1242	CO
5.983	46424	28857	0.622	6.04	3 Aroclor 1242	CO
6.037	6379	3972	0.623	0.83		
6.077	1980	1507	0.761	0.25		
6.112	30942	17876	0.578	4.02		
6.172	21108	13242	0.627	2.74	3 Aroclor 1242	CO
6.275	16901	12197	0.722	2.20		
6.300	17041	12431	0.729	2.21		
6.335	14592	9054	0.620	1.90		
6.480	31881	17947	0.563	4.15		
6.555	14157	11511	0.813	1.84		
6.588	19383	11158	0.576	2.52		
6.683	7637	4896	0.641	0.99		
6.728	1642	1306	0.795	0.21		
6.765	13853	10211	0.737	1.80		
6.800	6158	4751	0.772	0.80		
6.833	22457	18405	0.820	2.92	3 Aroclor 1242	CO
6.860	29057	19026	0.655	3.78	3 Aroclor 1242	CO
6.997	18803	11774	0.626	2.44		
7.023	23357	12847	0.550	3.04		
7.195	4500	3467	0.771	0.58		
7.228	5509	4622	0.839	0.71		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.263	3778	3092	0.818	0.49	
7.320	8409	6968	0.829	1.09	
7.417	4755	2748	0.578	0.61	
7.525	8352	5513	0.660	1.08	
7.650	1853	948	0.512	0.24	
7.732	6963	4958	0.712	0.90	
7.858	2411	1716	0.712	0.31	
8.067	773	567	0.733	0.10	
8.237	640	449	0.702	0.08	
8.267	590	305	0.517	0.07	
8.487	847	389	0.459	0.11	
8.560	548	209	0.381	0.07	
8.603	562	158	0.281	0.07	
8.693	1505	462	0.307	0.19	
8.768	646	538	0.833	0.08	
8.837	560	383	0.683	0.07	
9.157	658	289	0.439	0.08	
9.345	1480	937	0.633	0.19	
9.545	122977	77358	0.629	16.27	
9.682	1264	452	0.358	0.16	
9.813	548	246	0.449	0.07	
10.303	1276	434	0.340	0.16	
11.040	1240	360	0.290	0.16	
	767968	496963		100.000	

Total unknown % area = 75

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707009.d
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 07-JUL-2020 15:19
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal2b,254107:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.125	5.123	0.002	15554	0.20000	0.20	0.00-	20.00	100.00 (M)	CO
5.511	5.510	0.001	32630	0.20000	0.20	0.00-	20.00	209.79	CO
5.961	5.960	0.001	26219	0.20000	0.20	0.00-	20.00	168.57	CO
5.983	5.982	0.001	46424	0.20000	0.20	0.00-	20.00	298.47	CO
6.171	6.169	0.002	21108	0.20000	0.20	0.00-	20.00	135.71	CO
6.833	6.832	0.001	22457	0.20000	0.20	0.00-	20.00	144.38	CO
6.860	6.858	0.002	29057	0.20000	0.21	0.00-	20.00	186.81	CO
Average of Peak Amounts =					0.20143				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:19

Client ID: 1242-CAL2B

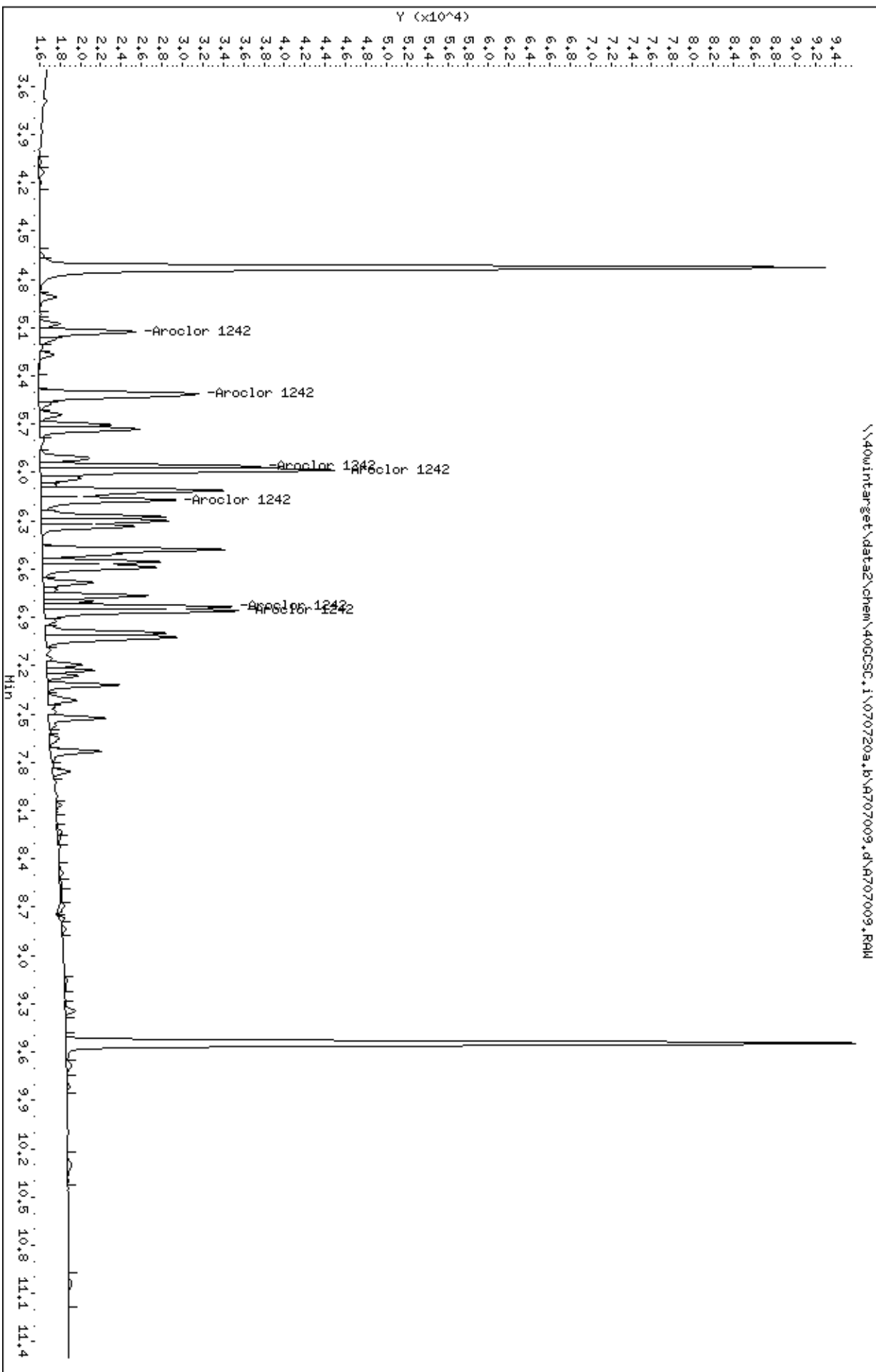
Sample Info: 1242-CAL2B.254107.1

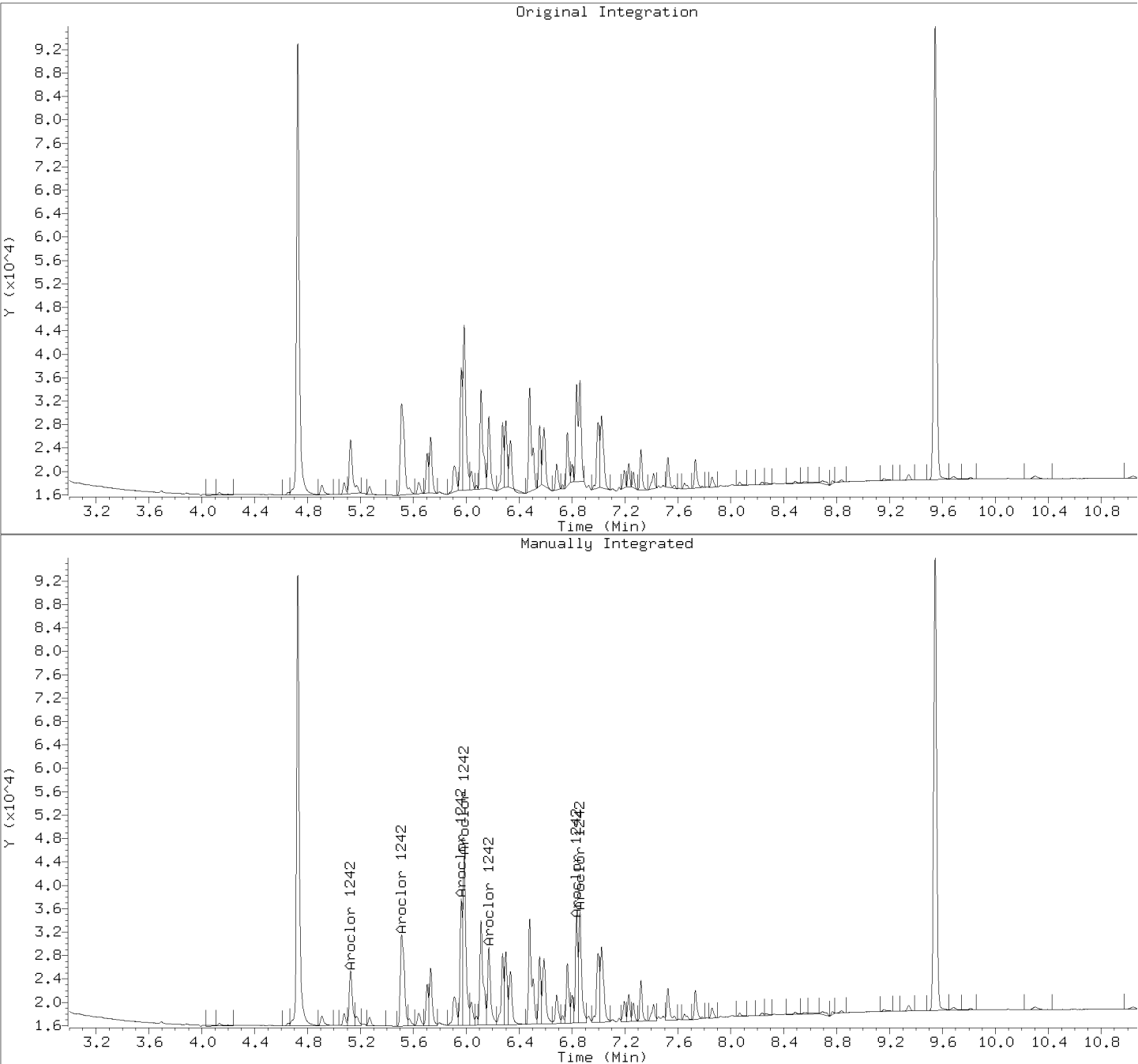
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO
Aroclor 1242	0	15554	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707009.d
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 07-JUL-2020 15:19
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal2b,254107:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.660	103181	89546	0.868	14.58		
4.752	627	540	0.861	0.08		
4.778	1464	1036	0.708	0.20		
4.960	2776	2126	0.766	0.39		
5.072	1249	1030	0.824	0.17		
5.113	3197	2434	0.761	0.45		
5.180	15139	10797	0.713	2.14	3 Aroclor 1242	CO
5.235	649	373	0.575	0.09		
5.425	1976	1575	0.797	0.27		
5.598	28862	15332	0.531	4.08	3 Aroclor 1242	CO
5.660	1983	1329	0.670	0.28		
5.713	3793	2258	0.595	0.53		
5.808	9141	7937	0.868	1.29		
5.845	12811	10110	0.789	1.81		
5.905	815	667	0.819	0.11		
5.935	5869	4913	0.837	0.82		
5.965	4417	3380	0.765	0.62		
6.023	25288	25103	0.993	3.57	3 Aroclor 1242	CO
6.042	43885	32694	0.745	6.20	3 Aroclor 1242	CO
6.165	28588	19243	0.673	4.04		
6.258	17541	14843	0.846	2.47	3 Aroclor 1242	CO
6.290	5823	4851	0.833	0.82		
6.335	14598	12480	0.855	2.06		
6.375	15170	12343	0.814	2.14		
6.413	14019	8124	0.580	1.98		
6.475	2657	1264	0.476	0.37		
6.538	654	479	0.733	0.09		
6.570	21159	18462	0.873	2.99		
6.608	13671	7847	0.574	1.93		
6.675	25789	16886	0.655	3.64		
6.735	2262	1436	0.635	0.31		
6.800	6701	6053	0.903	0.94		
6.827	13859	11760	0.849	1.95		
6.877	22167	19451	0.877	3.13	3 Aroclor 1242	CO
6.917	27001	22122	0.819	3.81	3 Aroclor 1242	CO
6.977	2501	1919	0.767	0.35		
7.007	2817	2118	0.752	0.39		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.055	5680	4846	0.853	0.80	
7.098	26234	21457	0.818	3.70	
7.137	5486	3151	0.574	0.77	
7.232	945	784	0.829	0.13	
7.278	4243	3378	0.796	0.59	
7.322	5890	4789	0.813	0.83	
7.368	3748	3399	0.907	0.52	
7.408	9907	7338	0.741	1.40	
7.492	1033	516	0.500	0.14	
7.538	3988	3011	0.755	0.56	
7.568	7071	5906	0.835	0.99	
7.688	1248	875	0.701	0.17	
7.822	6643	5333	0.803	0.93	
7.945	1893	1522	0.804	0.26	
8.017	512	325	0.635	0.07	
8.198	625	520	0.832	0.08	
8.312	629	379	0.603	0.08	
8.802	585	394	0.674	0.08	
8.878	1411	362	0.257	0.19	
8.928	1030	525	0.510	0.14	
9.017	565	364	0.644	0.07	
9.245	522	108	0.207	0.07	
9.510	1639	895	0.546	0.23	
9.812	111739	69917	0.626	16.11	
	707365	534955		100.000	

Total unknown % area = 75

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707009.d
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 07-JUL-2020 15:19
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal2b,254107:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.180	5.179	0.001	15138	0.20000	0.20	0.00-	20.00	100.00 (M)	CO
5.598	5.597	0.001	28862	0.20000	0.21	0.00-	20.00	190.66	CO
6.023	6.021	0.002	25287	0.20000	0.19	0.00-	20.00	167.04	CO
6.041	6.040	0.001	43885	0.20000	0.20	0.00-	20.00	289.90	CO
6.258	6.257	0.001	17541	0.20000	0.20	0.00-	20.00	115.87	CO
6.876	6.876	0.000	22167	0.20000	0.20	0.00-	20.00	146.43	CO
6.916	6.916	0.000	27001	0.20000	0.20	0.00-	20.00	178.37	CO
Average of Peak Amounts =					0.20000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:19

Client ID: 1242-CAL2B

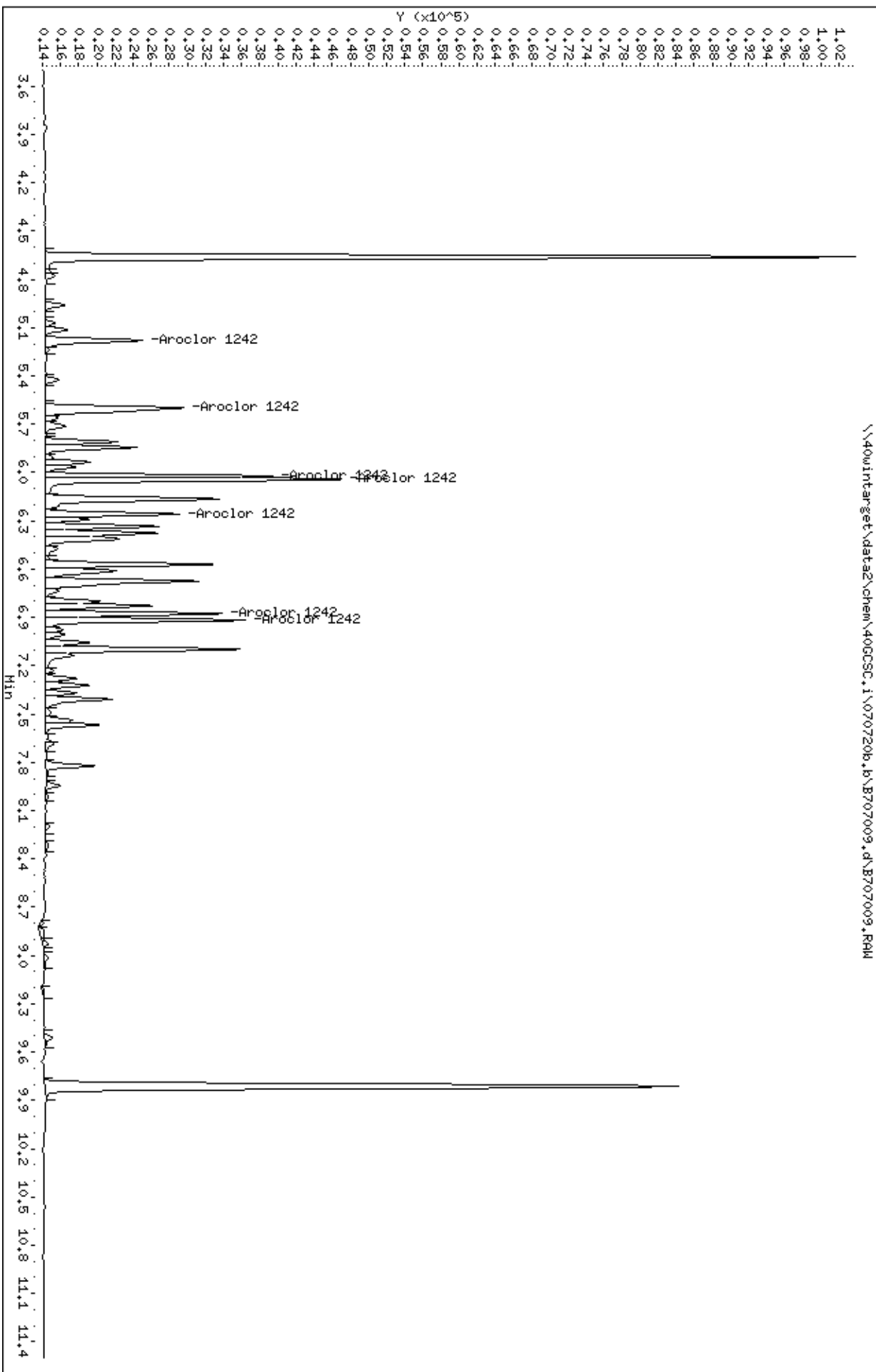
Sample Info: 1242-CAL2B.254107.1

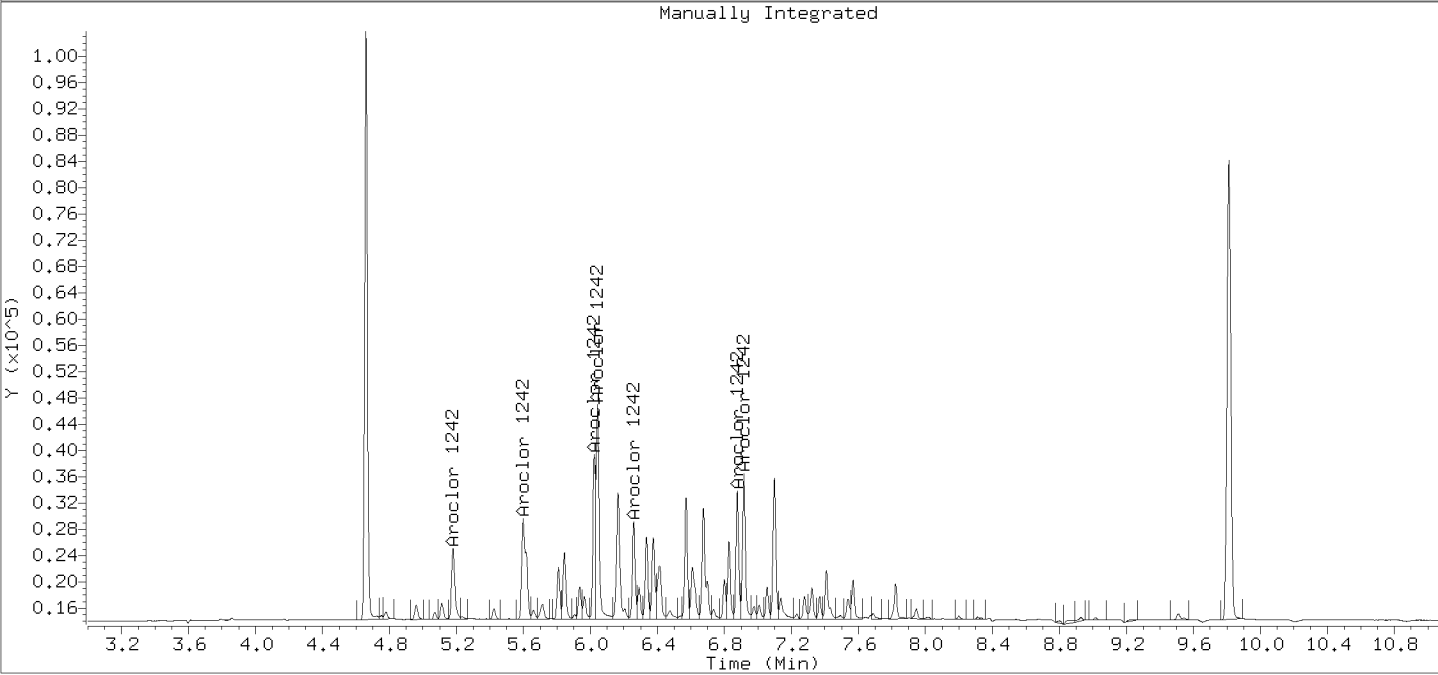
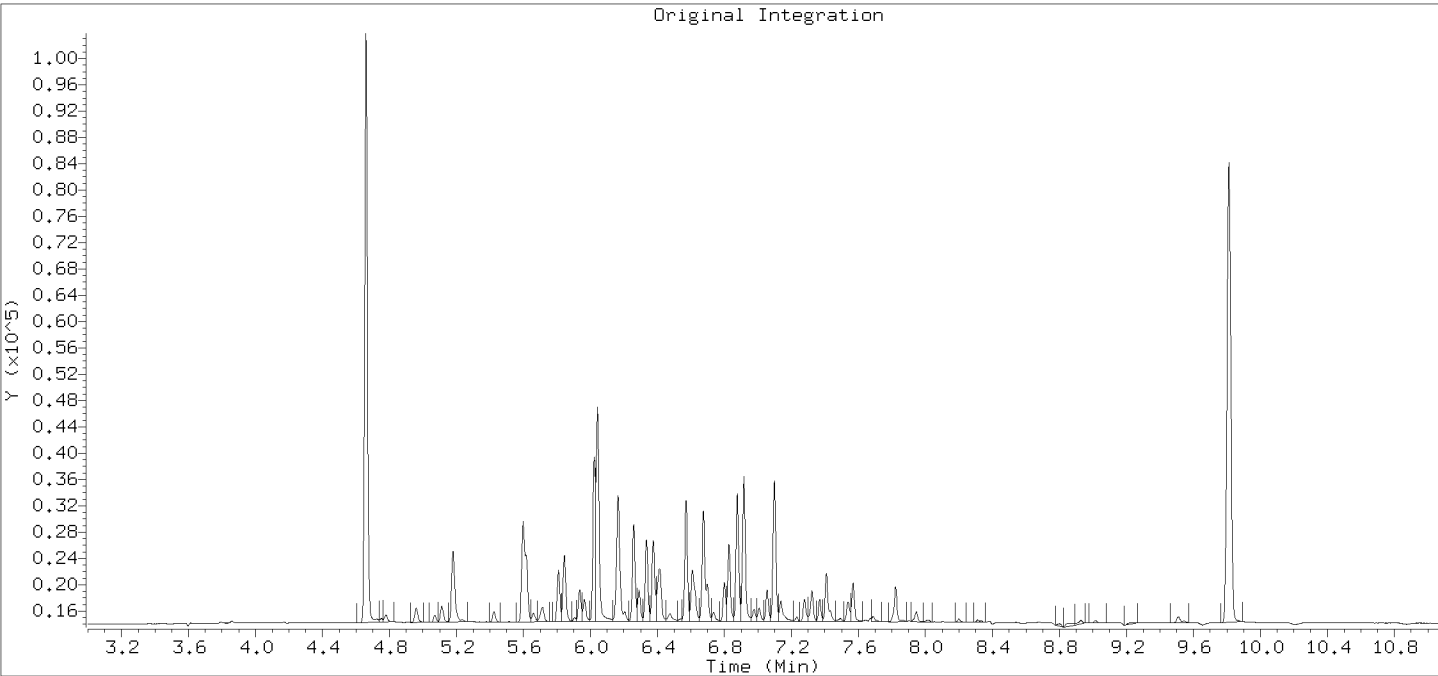
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO
Aroclor 1242	0	15138	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707010.d
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 07-JUL-2020 15:37
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal3b,254108:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.227	804	350	0.436	0.04		
3.693	1275	879	0.690	0.06		
3.885	1098	436	0.397	0.05		
4.132	944	559	0.592	0.04		
4.657	1740	1126	0.647	0.09		
4.725	295065	206633	0.700	15.31		
4.907	7476	4265	0.570	0.38		
5.023	200	96	0.480	0.01		
5.075	7689	5168	0.672	0.39		
5.123	39506	24090	0.610	2.05	3 Aroclor 1242	CO
5.170	6690	3694	0.552	0.34		
5.223	1014	613	0.605	0.05		
5.267	6210	3806	0.613	0.32		
5.510	80414	39167	0.487	4.17	3 Aroclor 1242	CO
5.568	5353	2992	0.559	0.27		
5.640	10016	5755	0.575	0.52		
5.703	23057	17874	0.775	1.19		
5.730	36004	24513	0.681	1.86		
5.797	2592	1210	0.467	0.13		
5.908	25547	12791	0.501	1.32		
5.960	67844	56740	0.836	3.52	3 Aroclor 1242	CO
5.983	116211	78226	0.673	6.03	3 Aroclor 1242	CO
6.037	14043	8545	0.608	0.72		
6.077	4350	3404	0.782	0.22		
6.110	77608	46911	0.604	4.02		
6.170	51556	34762	0.674	2.67	3 Aroclor 1242	CO
6.273	39816	28911	0.726	2.06		
6.298	41761	31013	0.743	2.16		
6.333	35558	22524	0.633	1.84		
6.478	79426	45582	0.574	4.12		
6.553	36075	29821	0.827	1.87		
6.587	48592	28958	0.596	2.52		
6.682	19180	12546	0.654	0.99		
6.727	4355	3383	0.777	0.22		
6.763	35169	26436	0.752	1.82		
6.800	14592	11415	0.782	0.75		
6.833	56547	46924	0.830	2.93	3 Aroclor 1242	CO

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.858	71682	48992	0.683	3.72	3 Aroclor 1242
6.925	4104	2650	0.646	0.21	
6.993	48186	31633	0.656	2.50	
7.022	57934	32863	0.567	3.00	
7.105	1681	1051	0.625	0.08	
7.155	1809	1653	0.914	0.09	
7.193	11815	8687	0.735	0.61	
7.228	13987	11991	0.857	0.72	
7.262	9976	8082	0.810	0.51	
7.320	21784	17903	0.822	1.13	
7.415	12126	6971	0.575	0.62	
7.453	1993	1719	0.863	0.10	
7.487	3704	1908	0.515	0.19	
7.523	18270	13807	0.756	0.94	
7.572	2394	1732	0.723	0.12	
7.648	4336	2360	0.544	0.22	
7.732	16491	12611	0.765	0.85	
7.782	575	540	0.940	0.02	
7.858	6150	4279	0.696	0.31	
7.922	611	529	0.865	0.03	
8.012	506	336	0.664	0.02	
8.065	2047	1435	0.701	0.10	
8.238	1286	972	0.756	0.06	
8.263	1239	634	0.512	0.06	
8.327	559	375	0.671	0.02	
8.487	860	462	0.537	0.04	
8.553	721	373	0.518	0.03	
8.690	1907	690	0.362	0.09	
8.767	1639	1263	0.771	0.08	
8.837	1469	1061	0.722	0.07	
9.157	787	455	0.578	0.04	
9.345	3488	2319	0.665	0.18	
9.545	297256	191531	0.644	15.83	
9.680	2458	781	0.318	0.12	
9.815	1093	632	0.578	0.05	
10.300	1771	648	0.366	0.09	
11.035	1947	596	0.306	0.10	
	1926018	1288642		100.000	

Total unknown % area = 75

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707010.d
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 07-JUL-2020 15:37
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal3b,254108:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.123	5.123	0.000	39505	0.50000	0.51	0.00-	20.00	100.00 (M)	CO
5.510	5.510	0.000	80413	0.50000	0.50	0.00-	20.00	203.55	CO
5.960	5.960	0.000	67844	0.50000	0.51	0.00-	20.00	171.74	CO
5.983	5.982	0.001	116211	0.50000	0.50	0.00-	20.00	294.17	CO
6.170	6.169	0.001	51556	0.50000	0.49	0.00-	20.00	130.50	CO
6.833	6.832	0.001	56546	0.50000	0.50	0.00-	20.00	143.14	CO
6.858	6.858	0.000	71681	0.50000	0.52	0.00-	20.00	181.45	CO
Average of Peak Amounts =					0.50429				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:37

Client ID: 1242-CAL3B

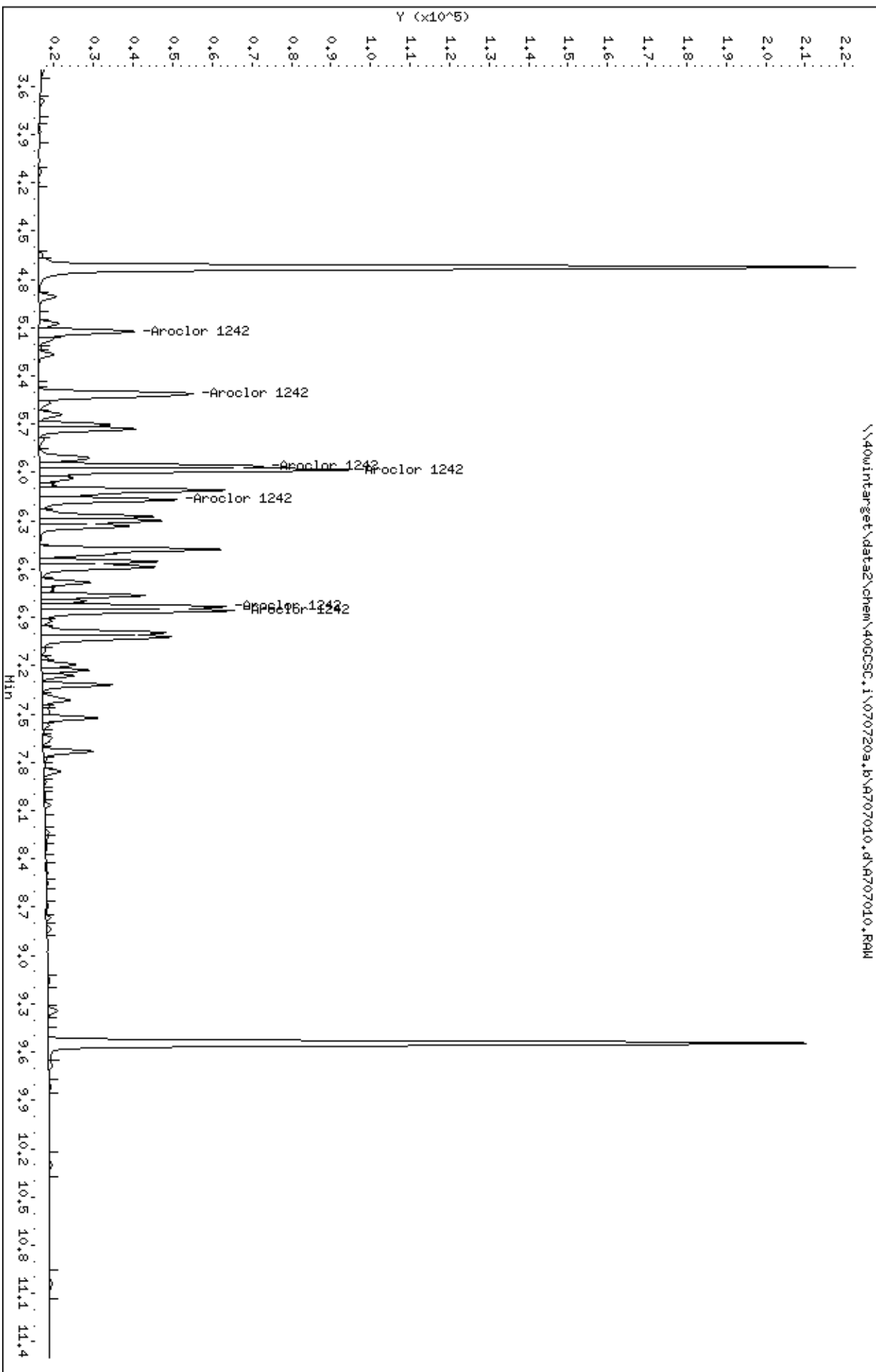
Sample Info: 1242-CAL3B,254108:1

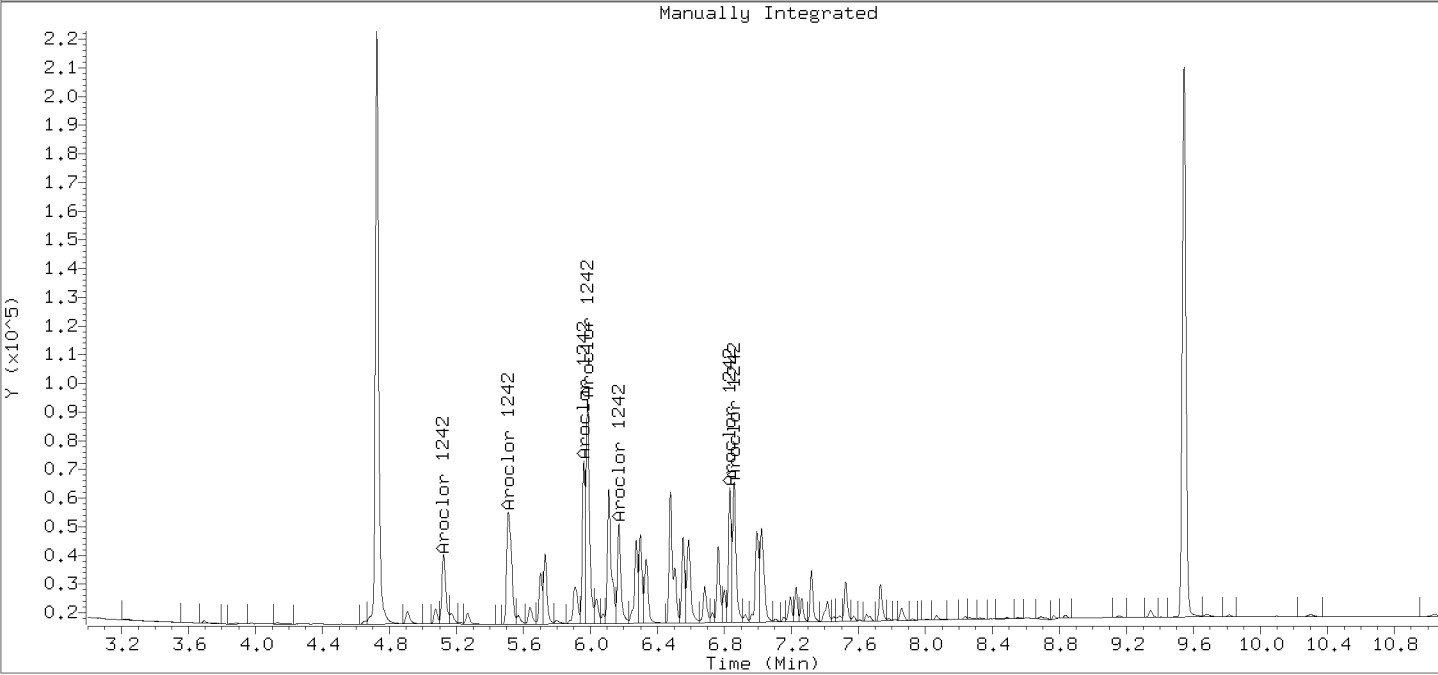
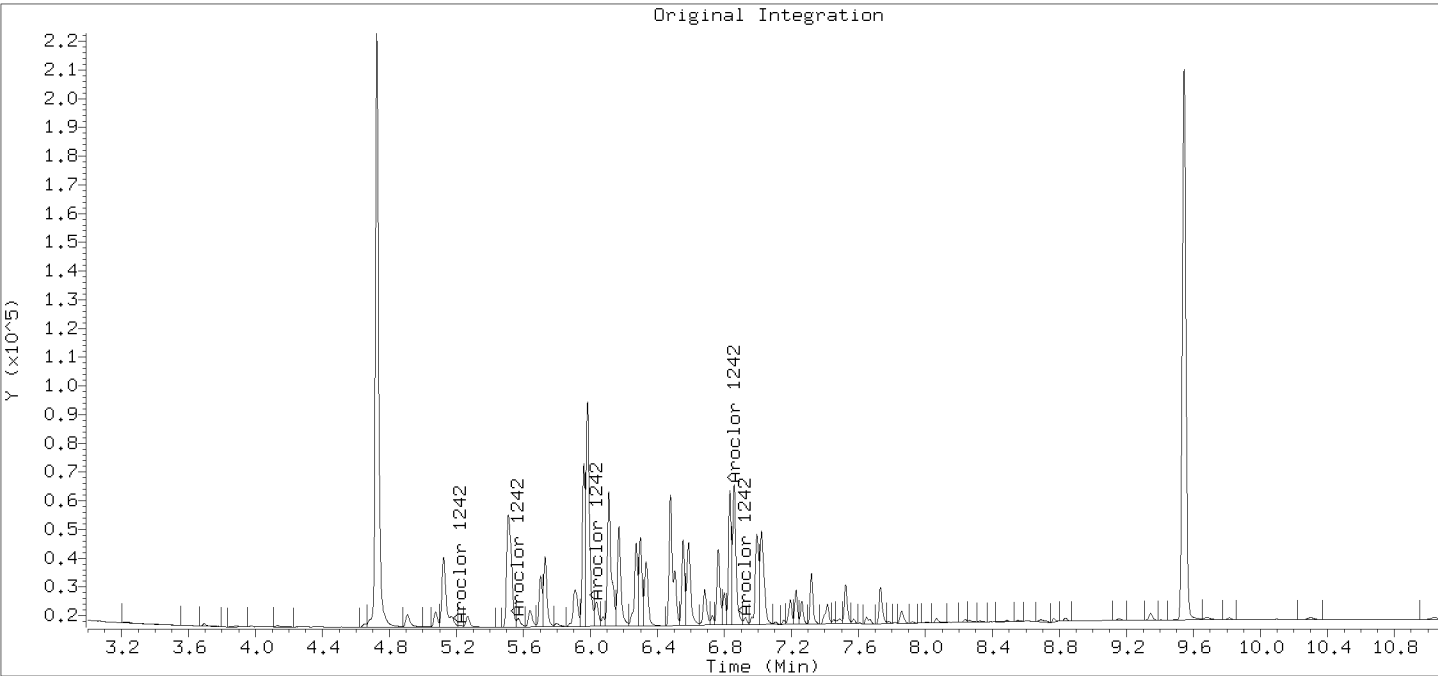
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO
Aroclor 1242	1123	39505	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707010.d
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 07-JUL-2020 15:37
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal3b,254108:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.608	1682	1116	0.663	0.09		
3.792	497	425	0.855	0.02		
4.227	443	156	0.352	0.02		
4.660	261410	223772	0.856	14.82		
4.723	1500	1106	0.737	0.08		
4.752	1542	1271	0.824	0.08		
4.778	3422	2530	0.739	0.19		
4.910	674	373	0.553	0.03		
4.958	8332	5502	0.660	0.47		
5.070	3161	2583	0.817	0.17		
5.112	8137	5968	0.733	0.46		
5.178	37378	26982	0.722	2.11	3 Aroclor 1242	CO
5.233	1253	842	0.672	0.07		
5.423	4879	3861	0.791	0.27		
5.597	68450	35739	0.522	3.88	3 Aroclor 1242	CO
5.658	4792	3411	0.712	0.27		
5.712	9454	5516	0.583	0.53		
5.808	22447	19517	0.869	1.27		
5.843	31497	25098	0.797	1.78		
5.905	1905	1619	0.850	0.10		
5.935	14543	12538	0.862	0.82		
5.963	10931	8263	0.756	0.61		
6.022	66225	62822	0.949	3.75	3 Aroclor 1242	CO
6.042	104596	83393	0.797	5.93	3 Aroclor 1242	CO
6.163	65935	48358	0.733	3.73		
6.203	4283	3481	0.813	0.24		
6.257	43910	37912	0.863	2.48	3 Aroclor 1242	CO
6.290	14084	11523	0.818	0.79		
6.333	35165	31126	0.885	1.99		
6.373	36956	30567	0.827	2.09		
6.412	34159	19828	0.580	1.93		
6.472	6220	3990	0.641	0.35		
6.540	1170	957	0.818	0.06		
6.570	52390	47032	0.898	2.97		
6.608	32849	19491	0.593	1.86		
6.673	50705	43893	0.866	2.87		
6.697	15188	14062	0.926	0.86		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.735	4740	3457	0.729	0.26	
6.800	16461	14966	0.909	0.93	
6.827	34154	30091	0.881	1.93	
6.877	55329	49834	0.901	3.13	3 Aroclor 1242
6.917	66635	56527	0.848	3.77	3 Aroclor 1242
6.977	5613	4569	0.814	0.31	
7.008	6515	5158	0.792	0.36	
7.055	13612	11685	0.858	0.77	
7.098	66528	54878	0.825	3.77	
7.137	12527	7451	0.595	0.71	
7.232	1884	1751	0.929	0.10	
7.278	10250	8319	0.812	0.58	
7.323	14586	11942	0.819	0.82	
7.368	9186	8429	0.918	0.52	
7.408	24345	18332	0.753	1.38	
7.493	2143	1210	0.565	0.12	
7.538	9735	7531	0.774	0.55	
7.568	17233	14724	0.854	0.97	
7.643	732	588	0.803	0.04	
7.670	1065	1240	1.164	0.06	
7.688	3076	2137	0.695	0.17	
7.822	17163	13868	0.808	0.97	
7.902	454	434	0.955	0.02	
7.947	5254	4033	0.768	0.29	
8.018	1083	762	0.704	0.06	
8.200	1640	1386	0.845	0.09	
8.313	1440	977	0.678	0.08	
8.380	759	551	0.726	0.04	
8.430	601	236	0.393	0.03	
8.802	790	476	0.603	0.04	
8.870	1818	495	0.272	0.10	
8.930	2590	1324	0.511	0.14	
9.017	1585	1041	0.657	0.08	
9.513	3993	2163	0.542	0.22	
9.715	1412	356	0.252	0.08	
9.813	284080	184054	0.648	16.45	
10.260	455	133	0.292	0.02	
	1763626	1373731		100.000	

Total unknown % area = 75

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707010.d
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 07-JUL-2020 15:37
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal3b,254108:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.178	5.179	-0.001	37377	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.596	5.597	-0.001	68449	0.50000	0.49	0.00-	20.00	183.13	CO
6.021	6.021	0.000	66225	0.50000	0.51	0.00-	20.00	177.18	CO
6.041	6.040	0.001	104596	0.50000	0.49	0.00-	20.00	279.84	CO
6.256	6.257	-0.001	43909	0.50000	0.50	0.00-	20.00	117.48	CO
6.876	6.876	0.000	55328	0.50000	0.50	0.00-	20.00	148.03	CO
6.916	6.916	0.000	66634	0.50000	0.50	0.00-	20.00	178.28	CO
Average of Peak Amounts =					0.49857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 15:37

Client ID: 1242-CAL3B

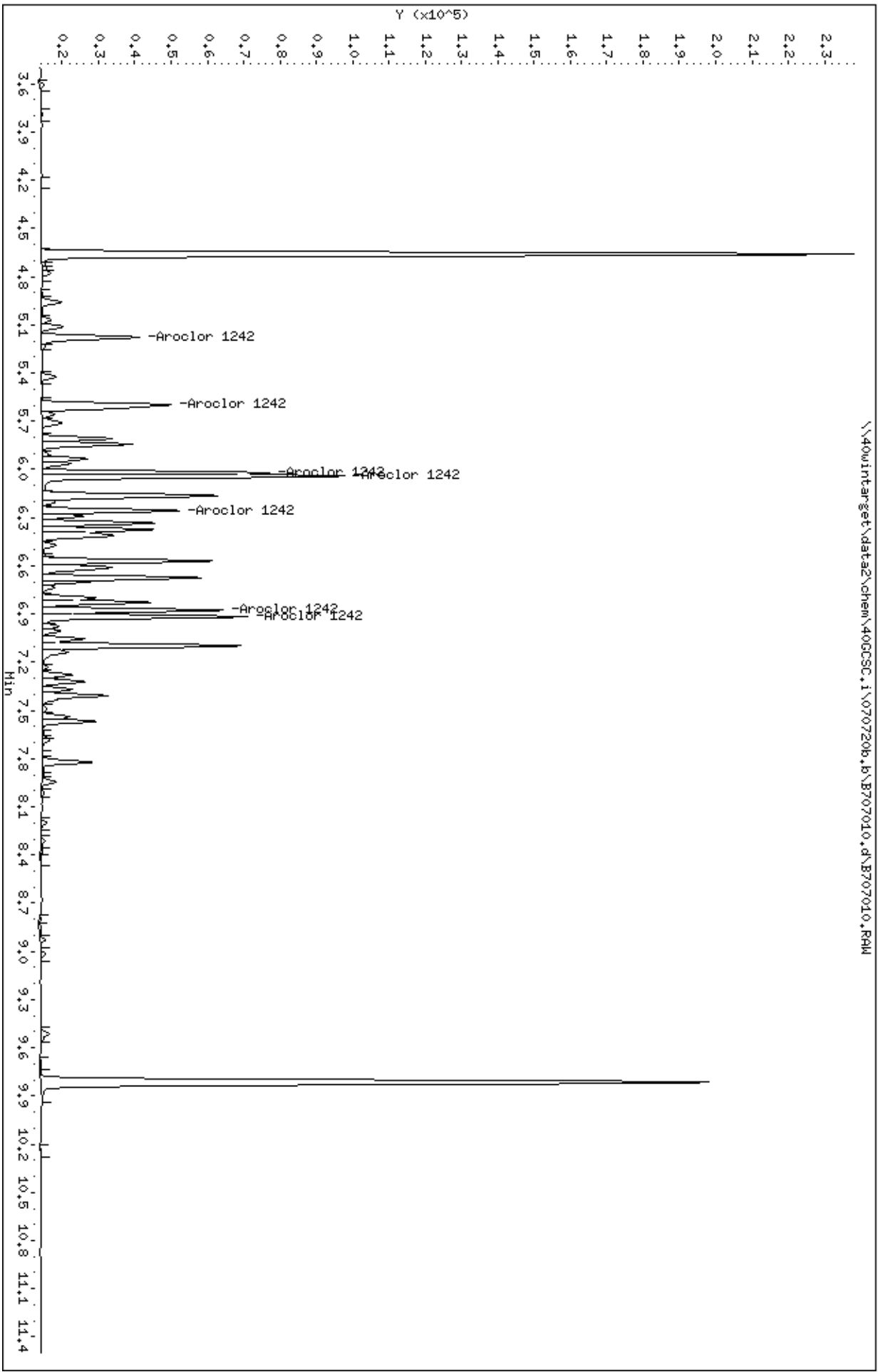
Sample Info: 1242-CAL3B.254108:1

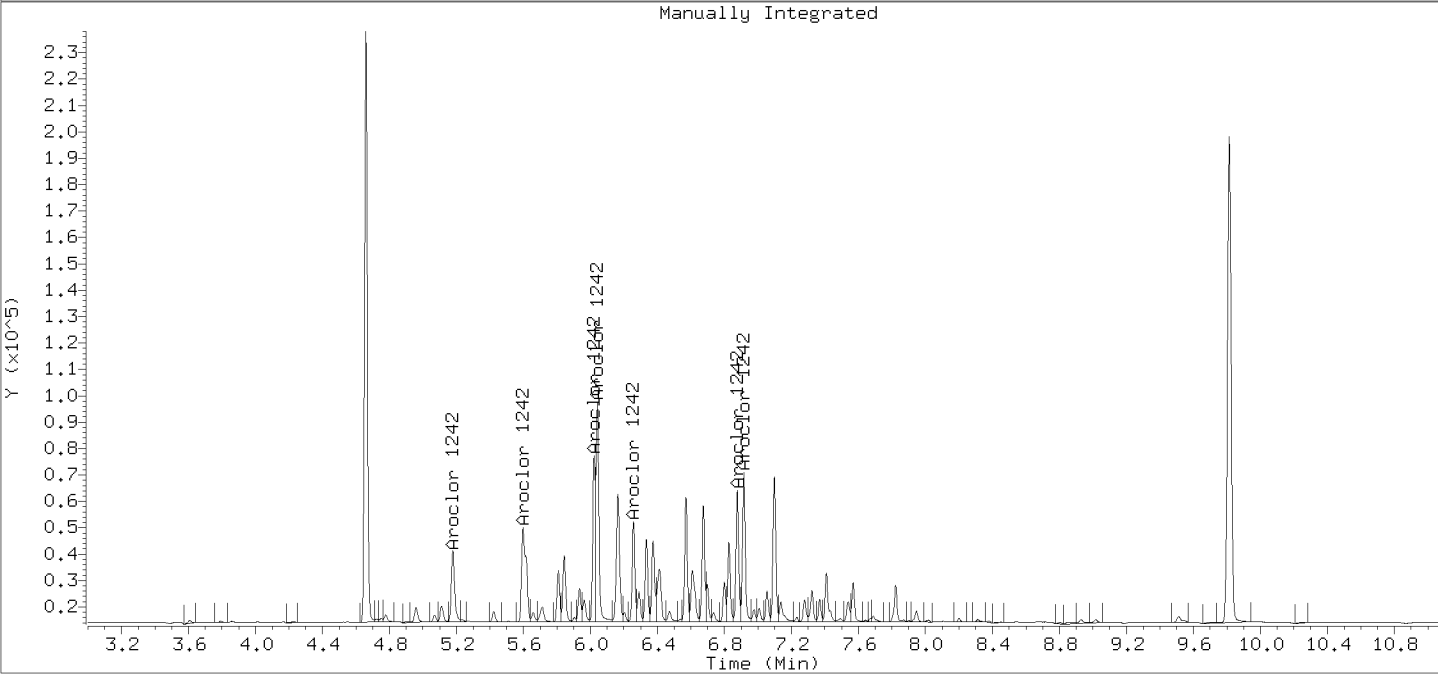
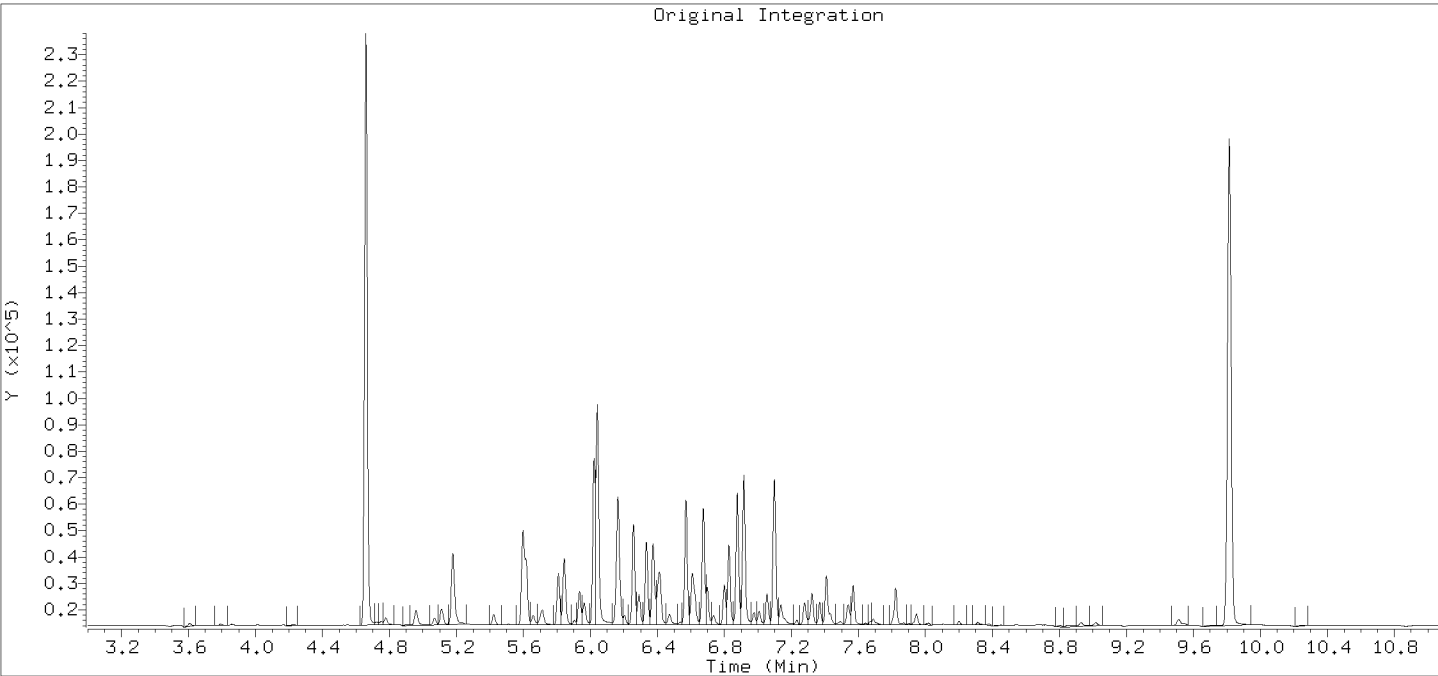
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO
Aroclor 1242	0	37377	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707011.d
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 07-JUL-2020 15:55
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal4b,254109:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	2684	1804	0.672	0.08		
3.883	2179	724	0.332	0.06		
4.035	622	262	0.421	0.01		
4.062	761	277	0.364	0.02		
4.128	1615	764	0.473	0.04		
4.657	3216	2105	0.654	0.09		
4.723	609147	428408	0.703	18.98		
4.907	12805	6921	0.540	0.39		
5.012	259	172	0.663	0.00		
5.075	12167	8255	0.678	0.37		
5.122	62673	39037	0.623	1.91	3 Aroclor 1242	BA
5.170	11822	6623	0.560	0.36		
5.223	1974	1191	0.603	0.06		
5.267	9347	5813	0.622	0.28		
5.508	126487	63293	0.500	3.86	3 Aroclor 1242	BA
5.567	7813	4144	0.530	0.23		
5.638	16015	9143	0.571	0.48		
5.702	36041	29220	0.811	1.10		
5.728	57482	38961	0.678	1.75		
5.797	4131	1966	0.476	0.12		
5.885	2908	2501	0.860	0.08		
5.908	39187	20532	0.524	1.19		
5.960	106389	94570	0.889	3.24	3 Aroclor 1242	BA
5.982	187169	126346	0.675	5.71	3 Aroclor 1242	BA
6.035	21038	13058	0.621	0.64		
6.075	6619	5298	0.800	0.20		
6.110	122183	73797	0.604	3.73		
6.168	81559	56532	0.693	2.49	3 Aroclor 1242	BA
6.272	65311	46303	0.709	1.99		
6.297	62824	48647	0.774	1.91		
6.332	55879	35685	0.639	1.70		
6.477	124992	72440	0.580	3.81		
6.552	58674	47154	0.804	1.79		
6.585	75090	45616	0.607	2.29		
6.682	29762	19732	0.663	0.90		
6.727	6898	5378	0.780	0.21		
6.762	55936	42299	0.756	1.70		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.798	21429	17827	0.832	0.65	
6.832	91815	74549	0.812	2.80	3 Aroclor 1242
6.857	108865	78743	0.723	3.32	3 Aroclor 1242
6.923	6313	4082	0.647	0.19	
6.993	77890	49870	0.640	2.37	
7.020	84545	49807	0.589	2.58	
7.105	2764	1704	0.616	0.08	
7.153	3022	2636	0.872	0.09	
7.193	18294	13630	0.745	0.55	
7.227	22181	18656	0.841	0.67	
7.262	15694	12611	0.804	0.47	
7.318	34138	27127	0.795	1.04	
7.415	18379	10543	0.574	0.56	
7.453	3761	2765	0.735	0.11	
7.487	5420	3043	0.561	0.16	
7.523	28336	21071	0.744	0.86	
7.572	3851	2769	0.719	0.11	
7.607	876	714	0.815	0.02	
7.648	6806	3736	0.549	0.20	
7.730	26077	20211	0.775	0.79	
7.782	1021	947	0.927	0.03	
7.857	8842	6374	0.721	0.27	
7.922	927	790	0.852	0.02	
8.065	3063	2210	0.722	0.09	
8.238	2475	1409	0.569	0.07	
8.327	629	483	0.768	0.01	
8.552	759	484	0.638	0.02	
8.693	1151	361	0.314	0.03	
8.765	2293	1845	0.805	0.07	
8.837	1984	1456	0.734	0.06	
9.160	652	188	0.289	0.01	
9.345	5971	3887	0.651	0.18	
9.545	577767	370713	0.642	17.64	
9.813	1841	1126	0.612	0.05	
10.093	680	278	0.409	0.02	
10.302	752	275	0.366	0.02	
11.048	786	252	0.321	0.02	
3273705		2214143	100.000		

Total unknown % area = 77

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707011.d
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 07-JUL-2020 15:55
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal4b,254109:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.121	5.123	-0.002	62672	0.80000	0.80	0.00-	20.00	100.00 (M)	BA
5.508	5.510	-0.002	126486	0.80000	0.79	0.00-	20.00	201.82	BA
5.960	5.960	0.000	106388	0.80000	0.81	0.00-	20.00	169.75	BA
5.981	5.982	-0.001	187169	0.80000	0.81	0.00-	20.00	298.65	BA
6.168	6.169	-0.001	81559	0.80000	0.78	0.00-	20.00	130.14	BA
6.831	6.832	-0.001	91815	0.80000	0.81	0.00-	20.00	146.50	BA
6.856	6.858	-0.002	108864	0.80000	0.79	0.00-	20.00	173.70	BA
Average of Peak Amounts =					0.79857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 15:55

Client ID: 1242-CAL4B

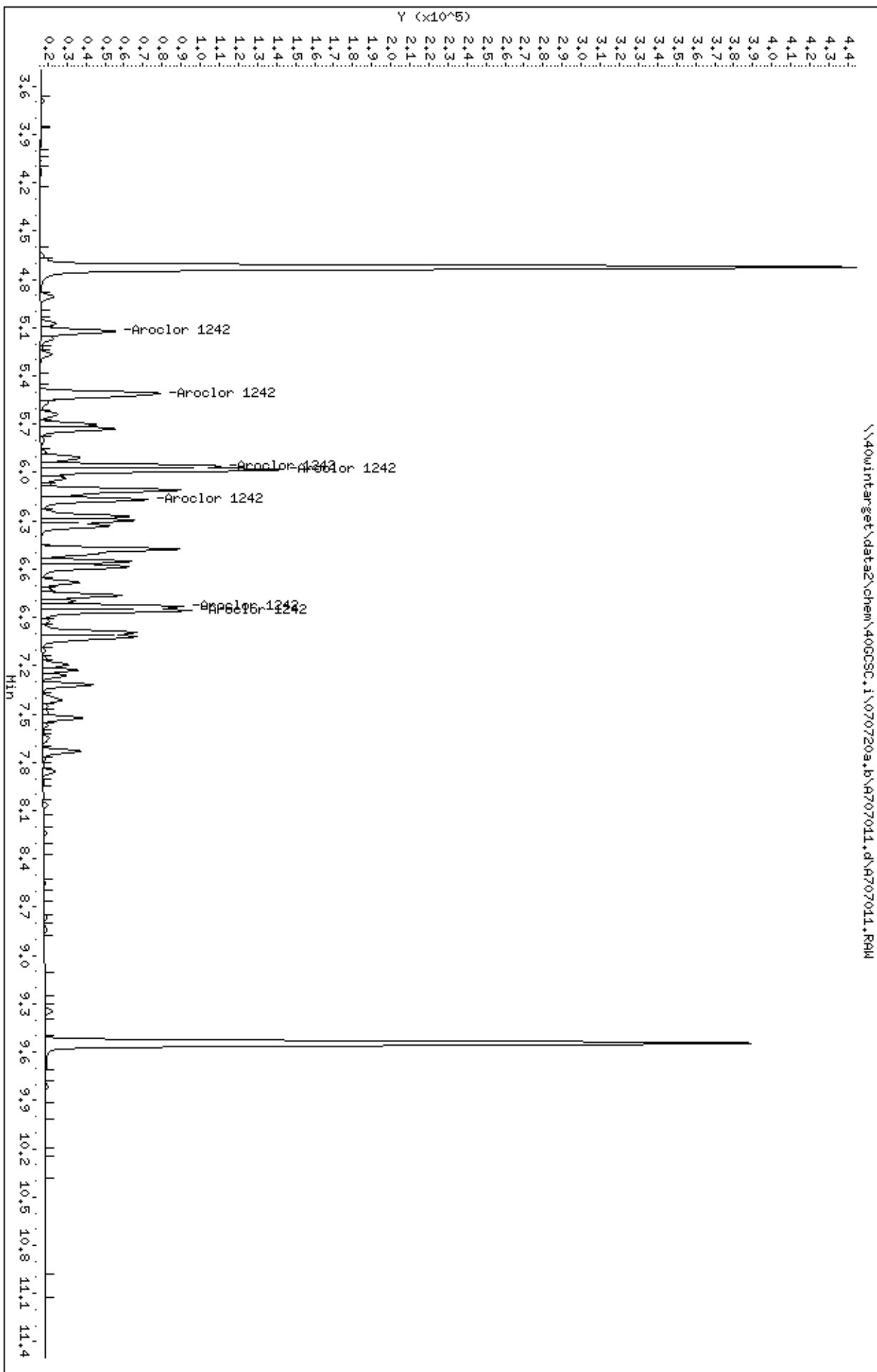
Sample Info: 1242-CAL4B.254109:1

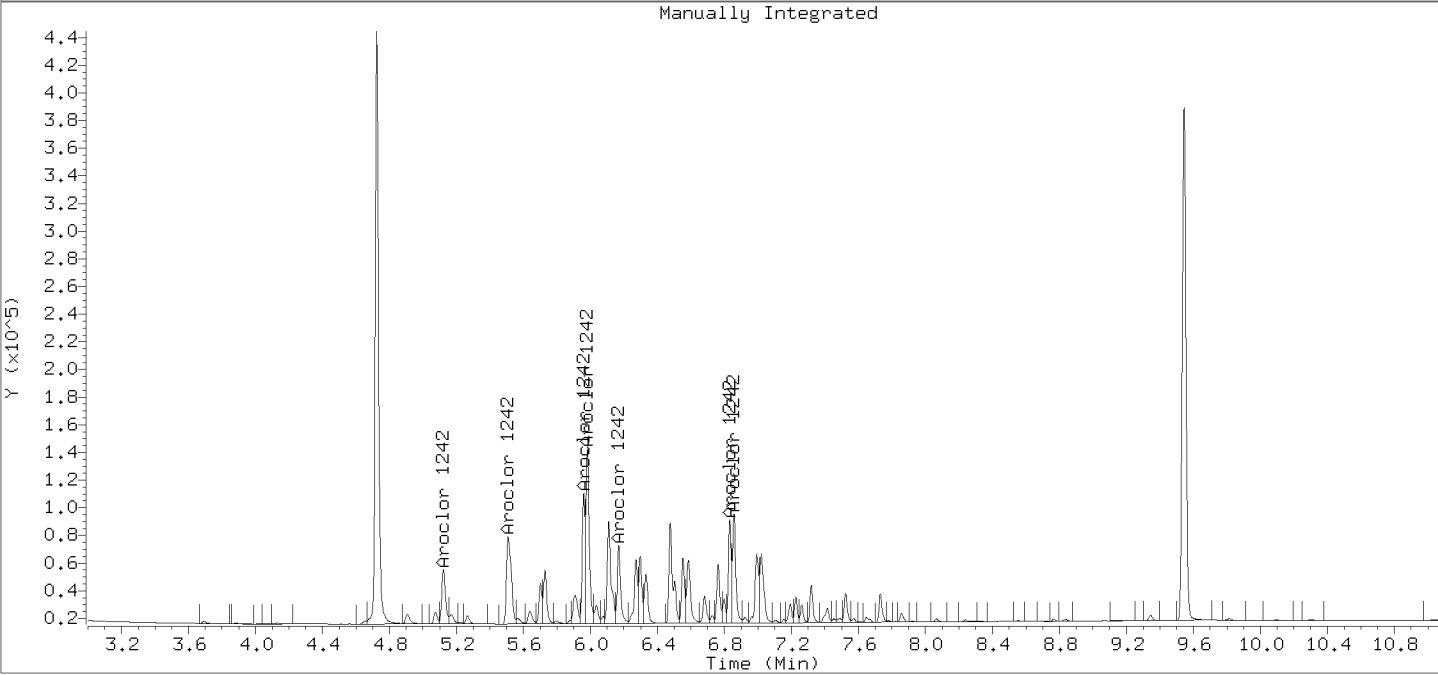
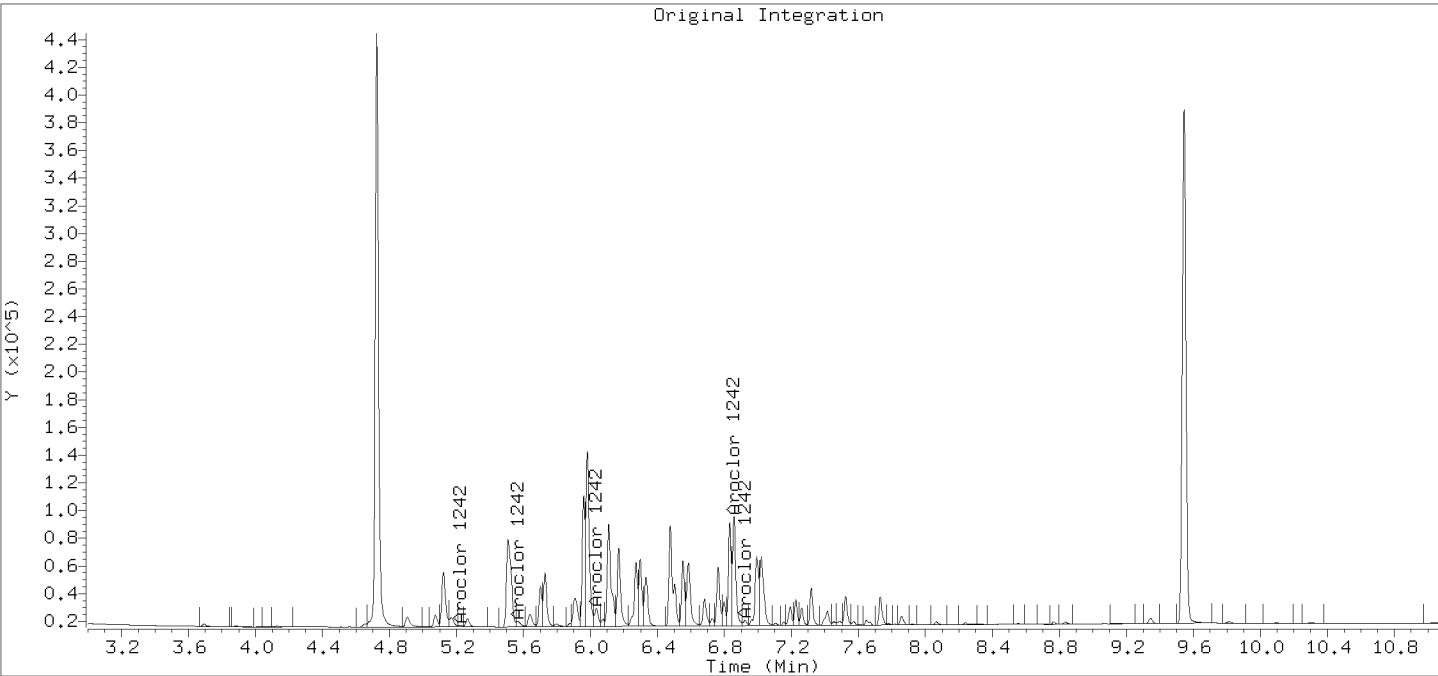
Instrument: 40GCSC.i

Column phase: Rtx-CLP

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA
Aroclor 1242	2091	62672	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707011.d
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 07-JUL-2020 15:55
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal4b,254109:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	1525	1479	0.970	0.05		
3.792	976	869	0.890	0.03		
4.172	526	527	1.002	0.01		
4.658	530852	458719	0.864	17.84		
4.723	3006	2145	0.714	0.10		
4.750	2582	2114	0.819	0.08		
4.777	5335	3938	0.738	0.17		
4.958	11232	8301	0.739	0.37		
5.068	6424	5220	0.813	0.21		
5.110	12564	9514	0.757	0.42		
5.178	58015	40762	0.703	1.95	3 Aroclor 1242	BA
5.233	2644	1513	0.572	0.08		
5.422	7682	5975	0.778	0.25		
5.597	109612	58365	0.532	3.68	3 Aroclor 1242	BA
5.658	7405	5235	0.707	0.24		
5.712	14693	8786	0.598	0.49		
5.808	36059	31338	0.869	1.21		
5.843	48962	38484	0.786	1.64		
5.905	3537	3070	0.868	0.11		
5.935	22927	19272	0.841	0.77		
5.962	16899	13249	0.784	0.56		
6.022	108857	100125	0.920	3.65	3 Aroclor 1242	BA
6.040	161184	132910	0.825	5.41	3 Aroclor 1242	BA
6.163	103371	78170	0.756	3.47		
6.203	6879	5292	0.769	0.23		
6.257	69438	61285	0.883	2.33	3 Aroclor 1242	BA
6.288	21327	17787	0.834	0.71		
6.333	54280	47246	0.870	1.82		
6.373	57841	48118	0.832	1.94		
6.412	53205	31715	0.596	1.78		
6.473	3790	1607	0.424	0.12		
6.568	83396	72718	0.872	2.80		
6.607	51850	31140	0.601	1.74		
6.673	101879	68338	0.671	3.42		
6.735	7393	5206	0.704	0.24		
6.798	25736	23804	0.925	0.86		
6.825	53076	46648	0.879	1.78		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.875	87294	77879	0.892	2.93	3 Aroclor 1242
6.915	103638	88673	0.856	3.48	3 Aroclor 1242
6.975	8633	6873	0.796	0.29	
7.007	9734	7919	0.814	0.32	
7.053	20981	17935	0.855	0.70	
7.097	105426	88980	0.844	3.54	
7.137	18343	11338	0.618	0.61	
7.232	3565	2994	0.840	0.11	
7.277	15646	12791	0.818	0.52	
7.322	22737	18663	0.821	0.76	
7.368	14367	13108	0.912	0.48	
7.408	37948	29639	0.781	1.27	
7.492	3325	1875	0.564	0.11	
7.537	15197	11730	0.772	0.51	
7.567	27111	23394	0.863	0.91	
7.643	1272	1003	0.788	0.04	
7.668	2546	2432	0.955	0.08	
7.687	4818	3355	0.696	0.16	
7.822	25685	21779	0.848	0.86	
7.868	1250	1071	0.857	0.04	
7.900	706	664	0.941	0.02	
7.945	8200	6158	0.751	0.27	
8.020	1375	905	0.658	0.04	
8.198	2471	2136	0.864	0.08	
8.312	2141	1581	0.738	0.07	
8.383	1171	710	0.606	0.03	
8.680	522	368	0.705	0.01	
8.802	493	333	0.675	0.01	
8.865	1465	467	0.319	0.04	
8.928	3178	1885	0.593	0.10	
9.018	2139	1373	0.642	0.07	
9.512	6390	3602	0.564	0.21	
9.713	477	137	0.287	0.01	
9.813	547134	346200	0.633	18.76	
2974335		2300934	100.000		

Total unknown % area = 76

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707011.d
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 07-JUL-2020 15:55
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal4b,254109:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.178	5.179	-0.001	58014	0.80000	0.78	0.00-	20.00	100.00 (M)	BA
5.596	5.597	-0.001	109611	0.80000	0.79	0.00-	20.00	188.94	BA
6.021	6.021	0.000	108857	0.80000	0.83	0.00-	20.00	187.64	BA
6.040	6.040	0.000	161184	0.80000	0.75	0.00-	20.00	277.84	BA
6.256	6.257	-0.001	69437	0.80000	0.78	0.00-	20.00	119.69	BA
6.875	6.876	-0.001	87294	0.80000	0.79	0.00-	20.00	150.47	BA
6.915	6.916	-0.001	103637	0.80000	0.78	0.00-	20.00	178.64	BA
Average of Peak Amounts =					0.78571				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 15:55

Client ID: 1242-CAL4B

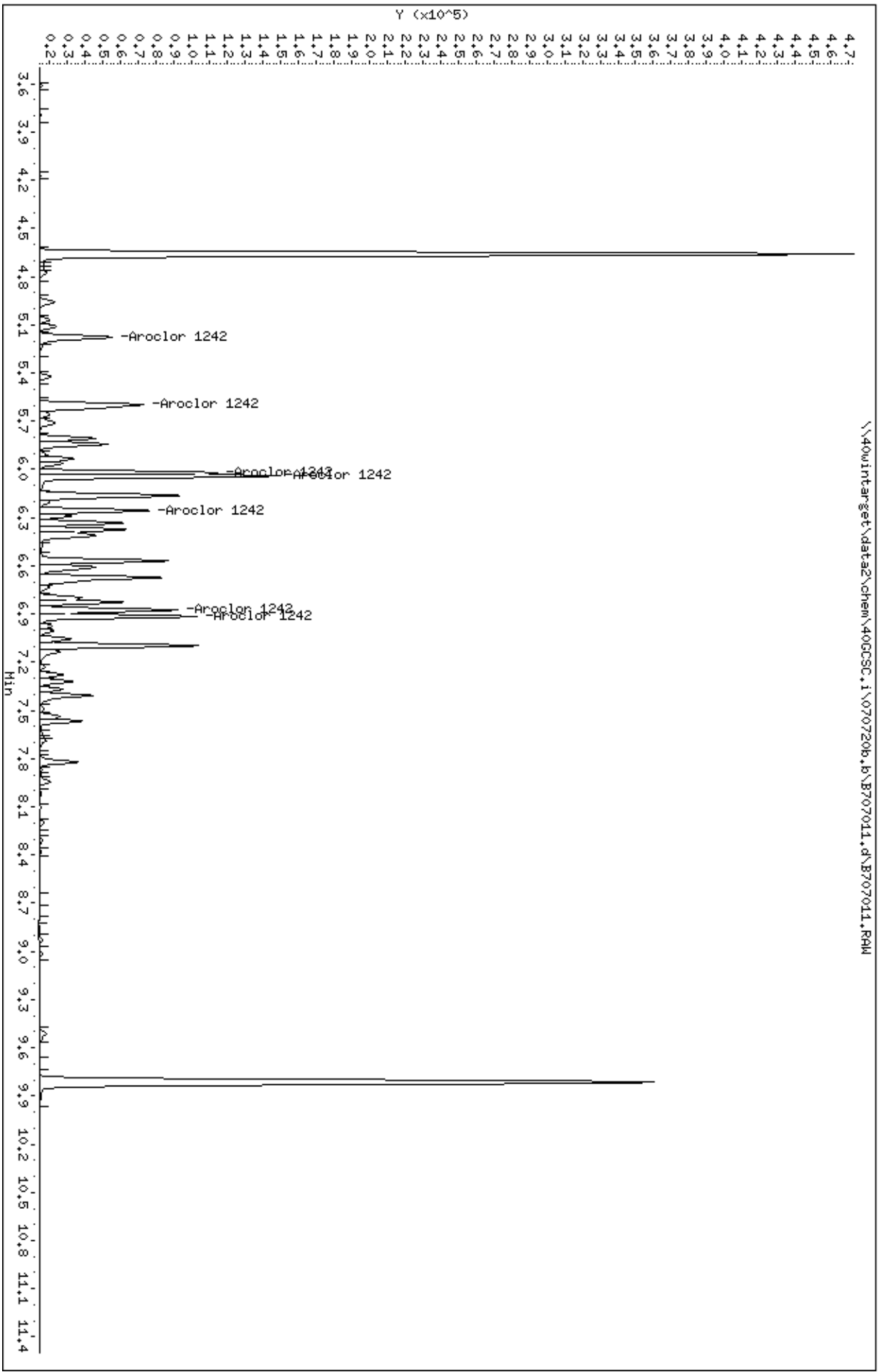
Sample Info: 1242-CAL4B.254109.i

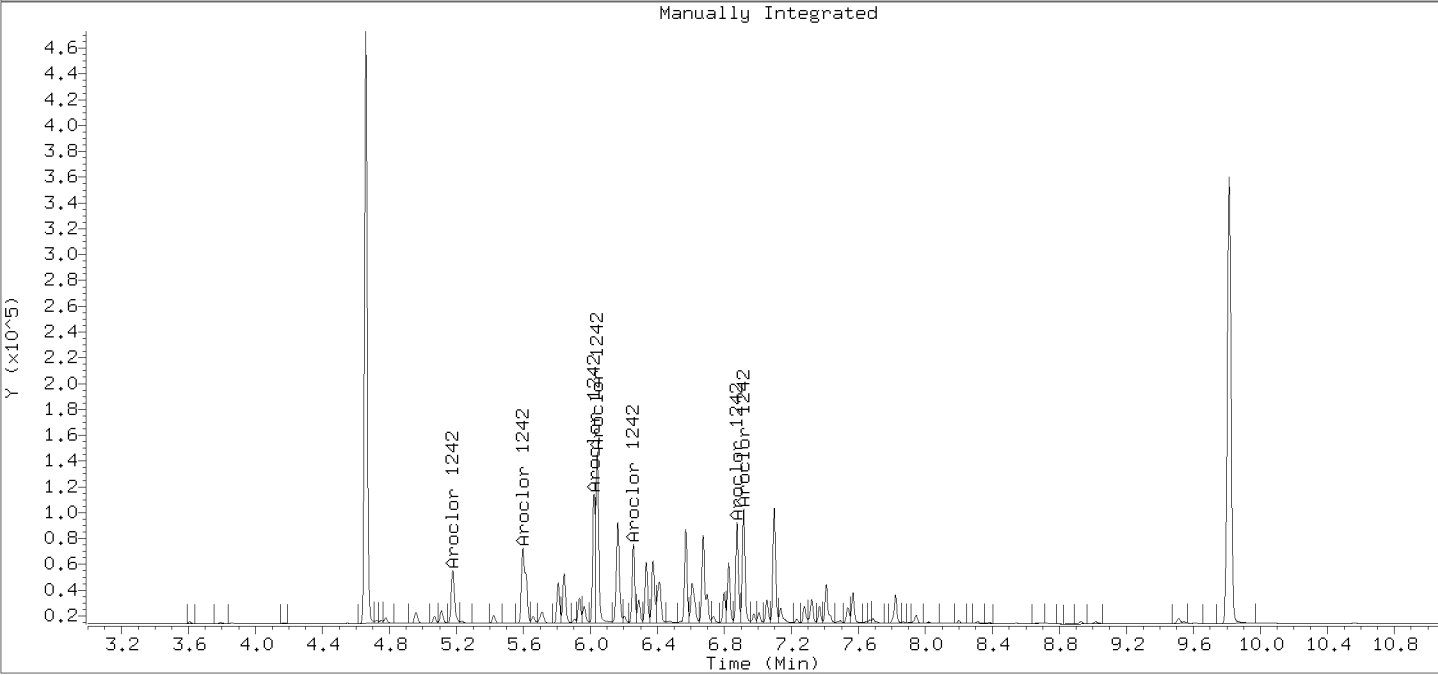
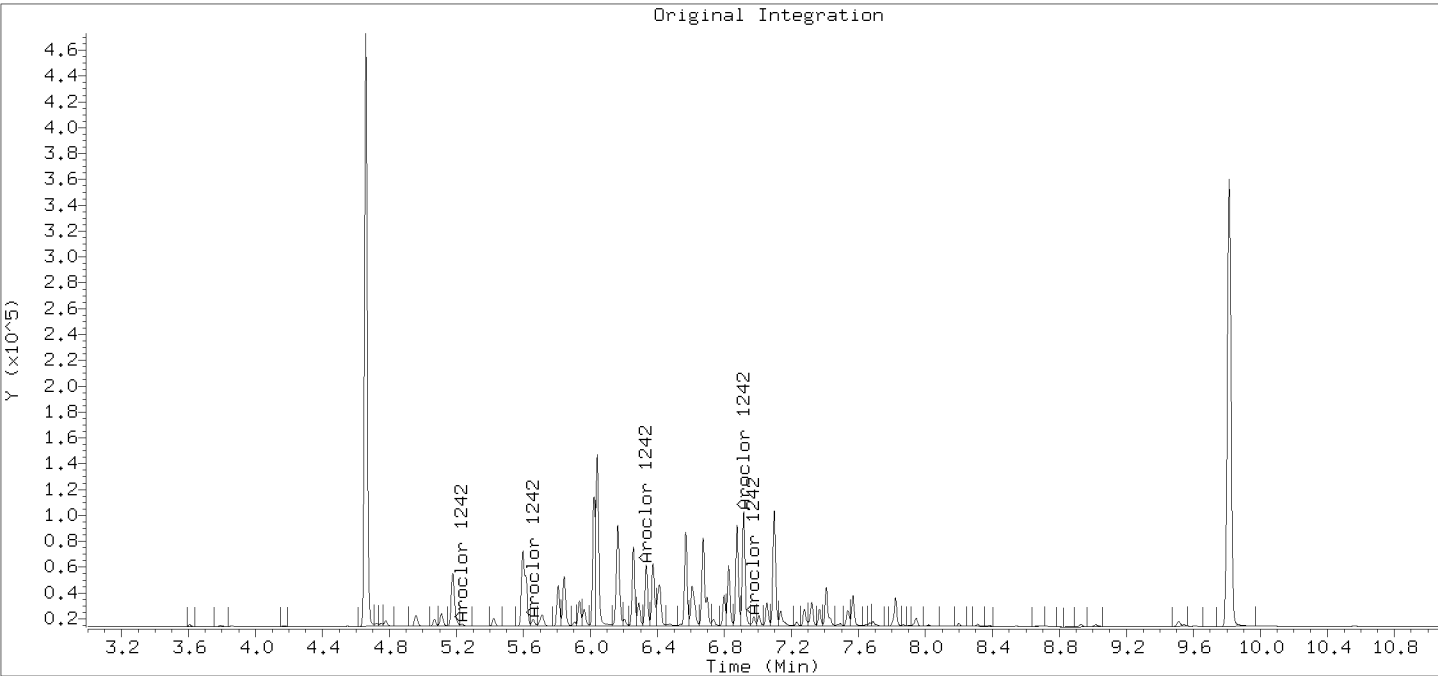
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA
Aroclor 1242	1972	58014	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707012.d
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 07-JUL-2020 16:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal5b,254110:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	3856	2599	0.674	0.08		
3.883	2414	1009	0.418	0.05		
4.023	505	241	0.477	0.01		
4.058	896	288	0.321	0.02		
4.130	2066	896	0.434	0.04		
4.657	4344	2904	0.669	0.09		
4.725	891505	650657	0.730	20.78		
4.907	16191	8673	0.536	0.37		
5.075	15030	10258	0.682	0.34		
5.123	76566	48734	0.636	1.75	3 Aroclor 1242	BA
5.170	16408	9011	0.549	0.37		
5.223	2786	1644	0.590	0.06		
5.267	11787	7189	0.610	0.26		
5.508	155363	77436	0.498	3.55	3 Aroclor 1242	BA
5.568	9483	5117	0.540	0.21		
5.638	19856	11283	0.568	0.45		
5.702	44913	36549	0.814	1.02		
5.728	70600	47004	0.666	1.61		
5.797	5153	2495	0.484	0.11		
5.877	3926	3725	0.949	0.08		
5.908	49171	25835	0.525	1.12		
5.960	140625	118517	0.843	3.21	3 Aroclor 1242	BA
5.982	223706	155567	0.695	5.12	3 Aroclor 1242	BA
6.037	25367	15876	0.626	0.58		
6.075	8423	6378	0.757	0.19		
6.110	151061	93962	0.622	3.45		
6.168	101091	68730	0.680	2.31	3 Aroclor 1242	BA
6.273	80592	58278	0.723	1.84		
6.298	78108	60074	0.769	1.78		
6.332	69593	44505	0.640	1.59		
6.478	155962	90361	0.579	3.57		
6.553	73081	60645	0.830	1.67		
6.587	93925	56430	0.601	2.15		
6.682	37212	24498	0.658	0.85		
6.727	8640	6762	0.783	0.19		
6.763	69547	52531	0.755	1.59		
6.798	27262	21637	0.794	0.62		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.832	112984	96310	0.852	2.58	3 Aroclor 1242
6.858	137646	99396	0.722	3.15	3 Aroclor 1242
6.925	7957	5086	0.639	0.18	
6.993	96729	63313	0.655	2.21	
7.020	106136	61844	0.583	2.42	
7.105	3647	2109	0.578	0.08	
7.155	3880	3385	0.872	0.08	
7.193	22953	17225	0.750	0.52	
7.227	27953	23278	0.833	0.63	
7.262	19947	15980	0.801	0.45	
7.320	43001	34880	0.811	0.98	
7.415	22888	13247	0.579	0.52	
7.453	4135	3351	0.810	0.09	
7.488	6831	3734	0.547	0.15	
7.523	35356	27218	0.770	0.80	
7.572	4773	3473	0.728	0.10	
7.650	8545	4628	0.542	0.19	
7.732	34428	25615	0.744	0.78	
7.818	623	684	1.097	0.01	
7.858	11089	7871	0.710	0.25	
7.922	1242	1005	0.809	0.02	
8.067	3940	2864	0.727	0.09	
8.238	1871	1649	0.881	0.04	
8.327	700	577	0.824	0.01	
8.553	883	571	0.646	0.02	
8.693	1167	341	0.292	0.02	
8.765	3161	2475	0.783	0.07	
8.837	2488	1819	0.731	0.05	
9.345	8592	5428	0.632	0.19	
9.545	880330	577460	0.656	20.15	
9.815	2759	1750	0.634	0.06	
10.097	865	399	0.461	0.01	
10.307	643	253	0.393	0.01	
11.052	749	235	0.314	0.01	
	4367906	2997751		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707012.d
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 07-JUL-2020 16:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal5b,254110:1
Misc Info : 21329,NSAR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.123	5.123	0.000	76566	1.00000	0.98	0.00- 20.00	100.00 (M)	BA	
5.508	5.510	-0.002	155363	1.00000	0.98	0.00- 20.00	202.91	BA	
5.960	5.960	0.000	140624	1.00000	1.1	0.00- 20.00	183.66	BA	
5.981	5.982	-0.001	223706	1.00000	0.97	0.00- 20.00	292.17	BA	
6.168	6.169	-0.001	101091	1.00000	0.97	0.00- 20.00	132.03	BA	
6.831	6.832	-0.001	112983	1.00000	1.0	0.00- 20.00	147.56	BA	
6.858	6.858	0.000	137645	1.00000	1.00	0.00- 20.00	179.77	BA	
Average of Peak Amounts =					1.00000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 16:13

Client ID: 1242-CALSB

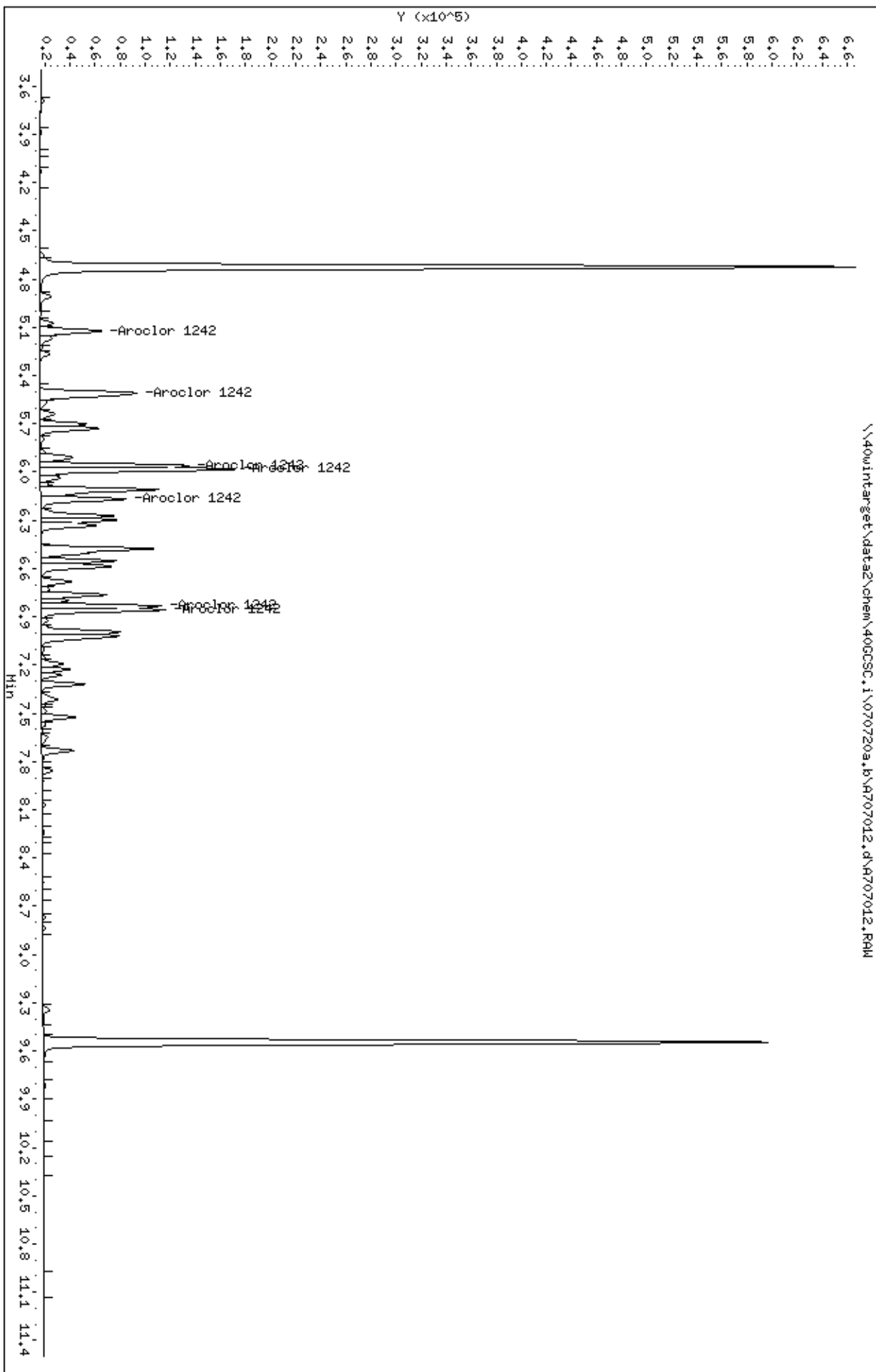
Sample Info: 1242-CALSB.254110.i1

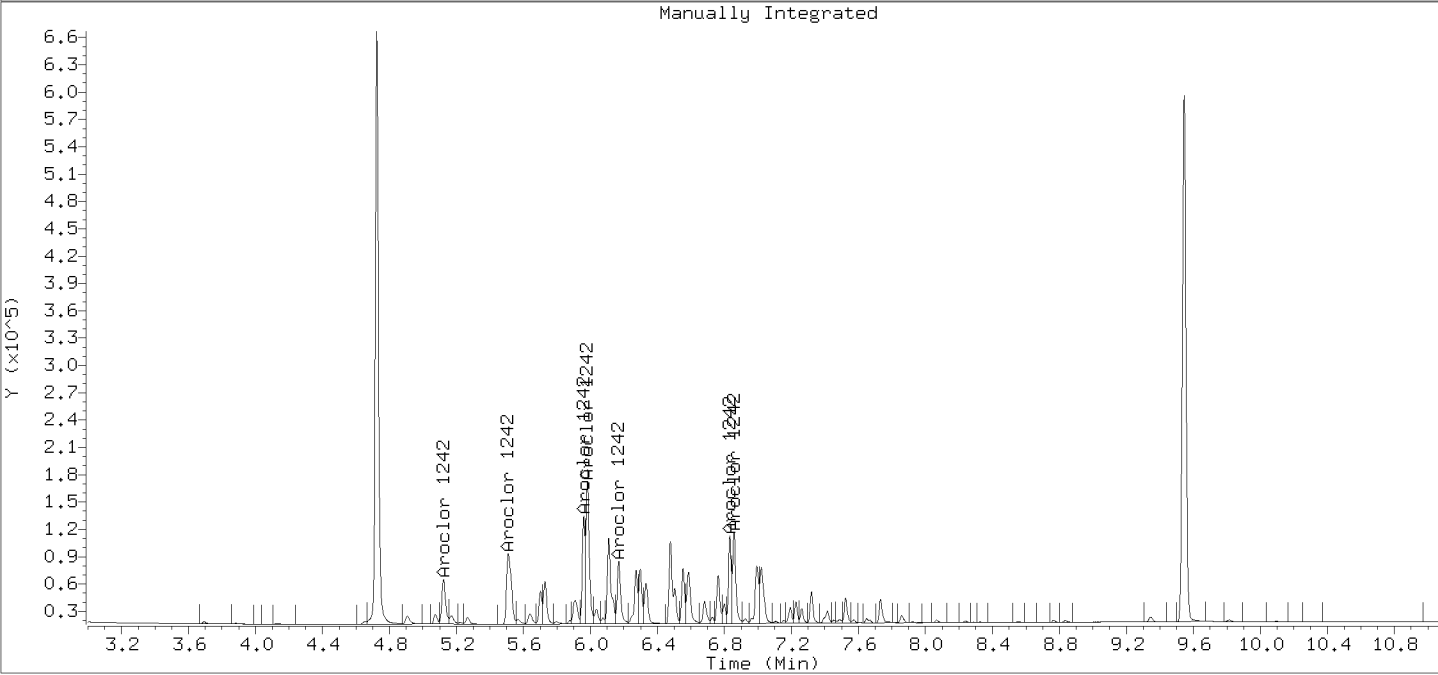
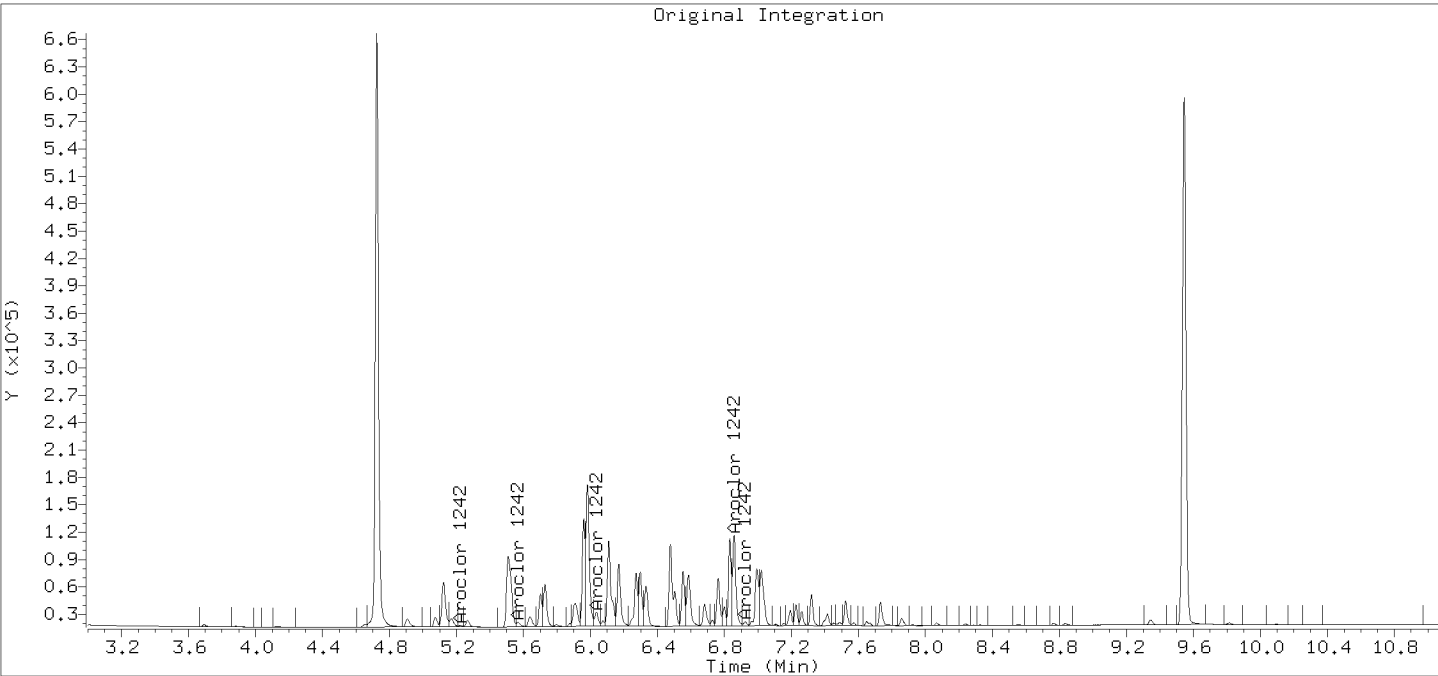
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA
Aroclor 1242	2145	76566	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707012.d
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 07-JUL-2020 16:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal5b,254110:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	2471	2305	0.933	0.06		
3.793	1412	1251	0.886	0.03		
4.172	695	675	0.972	0.01		
4.658	765156	642345	0.839	19.24		
4.723	4518	3157	0.699	0.11		
4.750	3164	2716	0.858	0.07		
4.777	6703	4843	0.723	0.16		
4.958	13810	10188	0.738	0.34		
5.070	9414	7710	0.819	0.23		
5.112	15470	11585	0.749	0.38		
5.178	70384	50854	0.723	1.77	3 Aroclor 1242	BA
5.233	3635	2085	0.574	0.09		
5.423	9372	7438	0.794	0.23		
5.510	643	310	0.482	0.01		
5.597	134359	71005	0.528	3.37	3 Aroclor 1242	BA
5.657	8914	6473	0.726	0.22		
5.712	17960	10759	0.599	0.45		
5.807	44412	38421	0.865	1.11		
5.843	59838	47346	0.791	1.50		
5.905	5107	4517	0.884	0.12		
5.933	28675	24817	0.865	0.72		
5.962	20607	16261	0.789	0.51		
6.020	127731	127154	0.995	3.21	3 Aroclor 1242	BA
6.040	206503	165117	0.800	5.19	3 Aroclor 1242	BA
6.163	127745	95649	0.749	3.21		
6.203	8293	6414	0.773	0.20		
6.257	86252	77053	0.893	2.16	3 Aroclor 1242	BA
6.288	26094	21931	0.840	0.65		
6.333	66886	59808	0.894	1.68		
6.373	71836	59896	0.834	1.80		
6.410	65495	38285	0.585	1.64		
6.473	3867	1575	0.407	0.09		
6.570	103369	92387	0.894	2.60		
6.607	64041	38714	0.605	1.61		
6.673	127698	84248	0.660	3.21		
6.735	9003	6483	0.720	0.22		
6.798	33200	29889	0.900	0.83		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.827	65475	58260	0.890	1.64	
6.877	108296	96332	0.890	2.72	3 Aroclor 1242
6.915	129662	113023	0.872	3.26	3 Aroclor 1242
6.977	10550	8591	0.814	0.26	
7.007	12078	9904	0.820	0.30	
7.055	26135	22812	0.873	0.65	
7.098	132419	112343	0.848	3.33	
7.137	22622	14104	0.623	0.56	
7.232	4511	3735	0.828	0.11	
7.278	19432	16109	0.829	0.48	
7.322	28926	23734	0.821	0.72	
7.368	17846	16340	0.916	0.44	
7.408	47513	36610	0.771	1.19	
7.493	4294	2270	0.529	0.10	
7.538	19186	14844	0.774	0.48	
7.568	33984	29619	0.872	0.85	
7.647	1585	1245	0.785	0.03	
7.670	3300	3105	0.941	0.08	
7.688	6036	4252	0.704	0.15	
7.823	32638	28008	0.858	0.82	
7.870	1456	1280	0.879	0.03	
7.902	779	768	0.986	0.01	
7.947	10088	7794	0.773	0.25	
8.022	1156	1015	0.878	0.02	
8.105	545	508	0.933	0.01	
8.200	3291	2751	0.836	0.08	
8.313	2840	2028	0.714	0.07	
8.383	1373	843	0.614	0.03	
8.682	941	514	0.546	0.02	
8.800	436	275	0.630	0.01	
8.873	1490	473	0.317	0.03	
8.930	4251	2517	0.592	0.10	
9.018	2677	1739	0.650	0.06	
9.513	9530	5010	0.526	0.23	
9.610	615	263	0.428	0.01	
9.815	852293	538170	0.631	21.83	
10.565	653	326	0.499	0.01	
	3975637	3053178		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707012.d
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 07-JUL-2020 16:13
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-cal5b,254110:1
Misc Info : 21329,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Aroclor 1242					CAS #: 53469-21-9				
5.178	5.179	-0.001	70384	1.00000	0.95	0.00-	20.00	100.00 (M)	BA
5.596	5.597	-0.001	134359	1.00000	0.97	0.00-	20.00	190.89	BA
6.020	6.021	-0.001	127730	1.00000	0.98	0.00-	20.00	181.48	BA
6.040	6.040	0.000	206503	1.00000	0.96	0.00-	20.00	293.39	BA
6.256	6.257	-0.001	86251	1.00000	0.97	0.00-	20.00	122.54	BA
6.876	6.876	0.000	108295	1.00000	0.98	0.00-	20.00	153.86	BA
6.915	6.916	-0.001	129662	1.00000	0.98	0.00-	20.00	184.22	BA
Average of Peak Amounts =					0.97000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 16:13

Client ID: 1242-CALSB

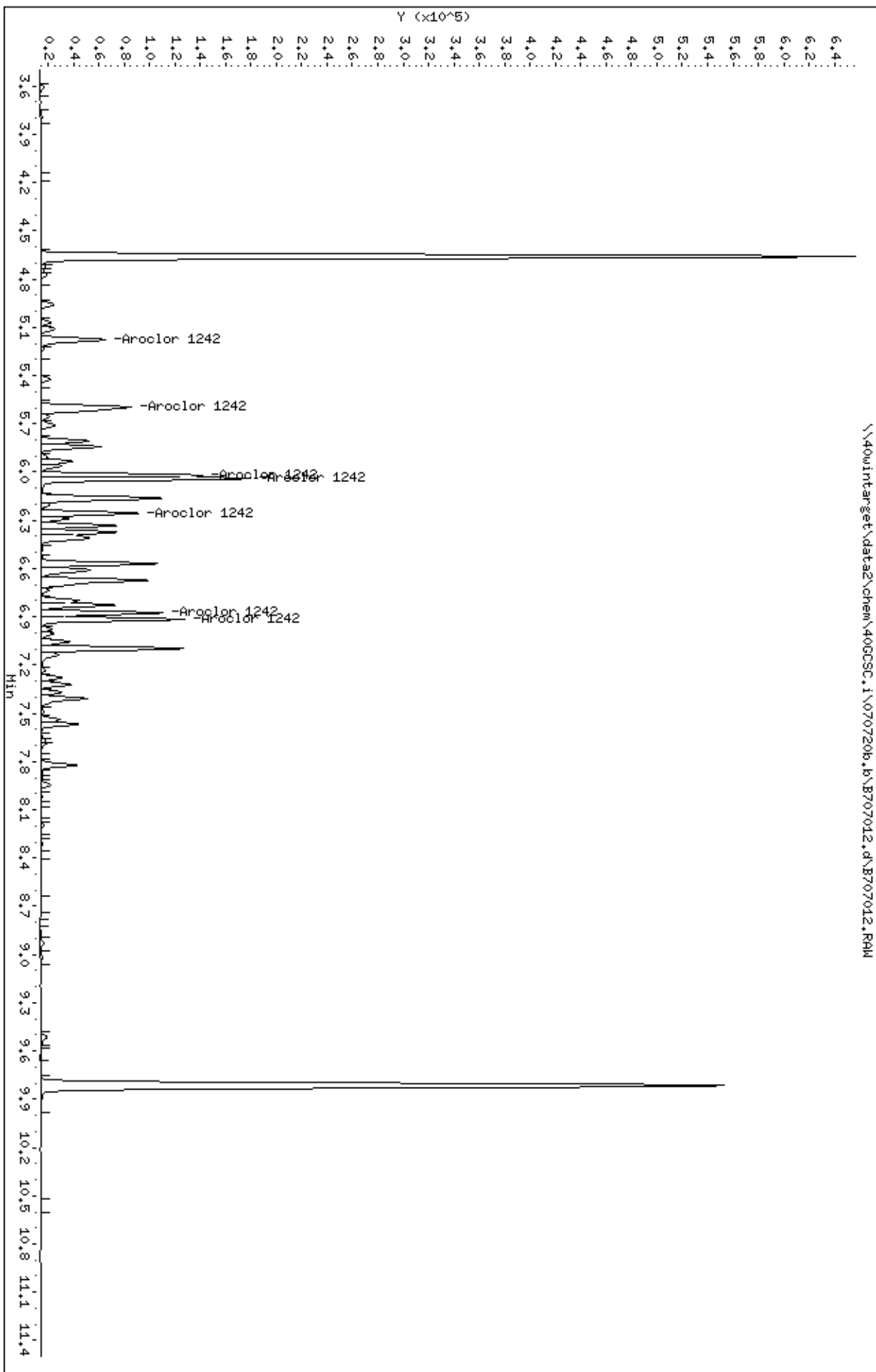
Sample Info: 1242-CALSB,254110:1

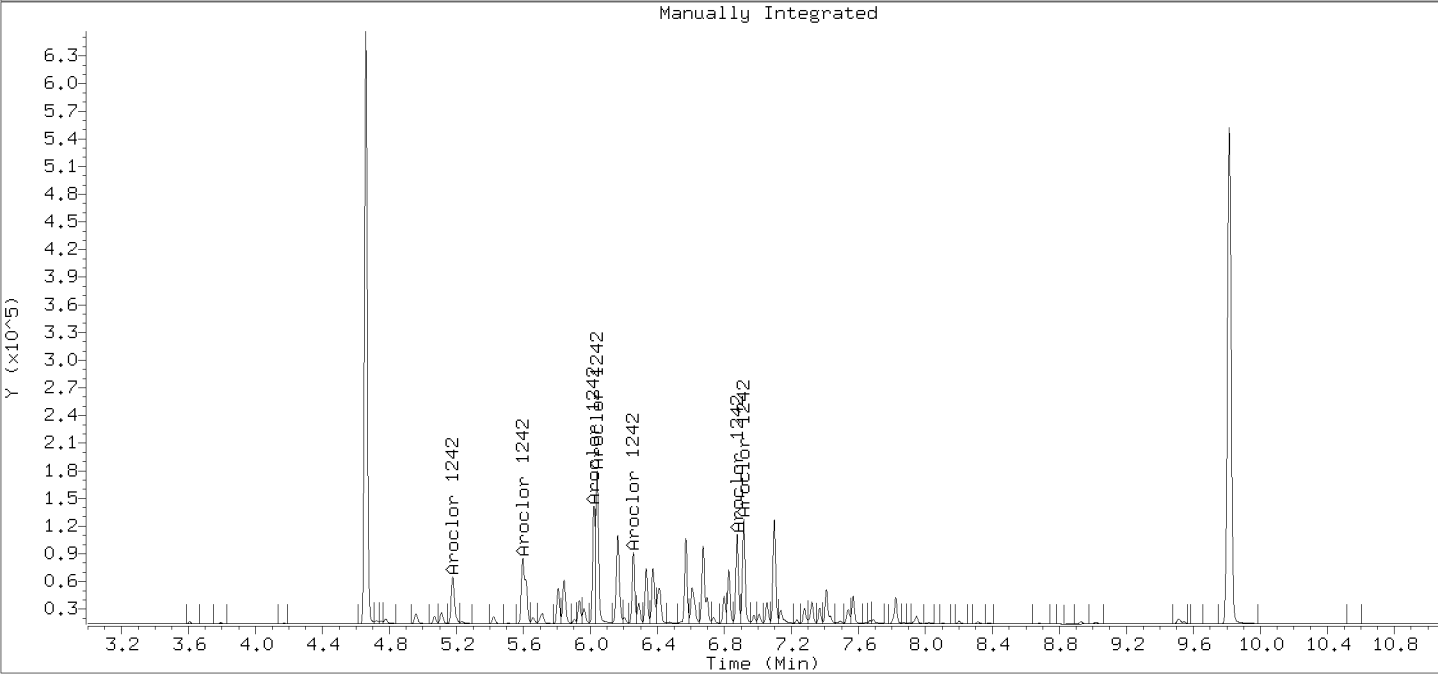
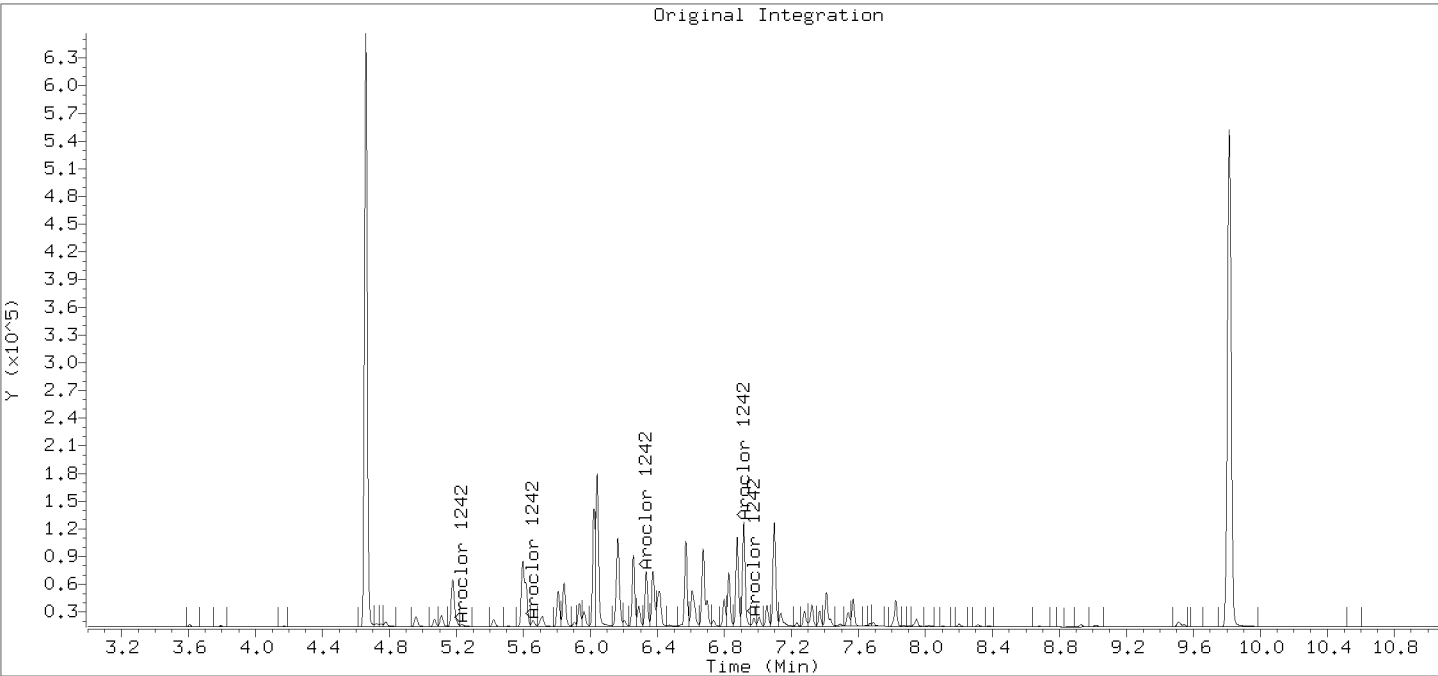
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA
Aroclor 1242	2799	70384	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707014.d
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 07-JUL-2020 16:50
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal1d,254112:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.725	59153	38538	0.652	19.15		
5.125	686	415	0.605	0.22		
5.172	791	405	0.512	0.25		
5.510	4830	2354	0.487	1.56		
5.703	850	764	0.899	0.27		
5.730	1166	917	0.786	0.37		
5.963	4776	4070	0.852	1.54	12 Aroclor 1248	CO
5.983	7502	4504	0.600	2.42	12 Aroclor 1248	CO
6.037	1928	1228	0.637	0.62		
6.112	5241	2239	0.427	1.69		
6.172	3201	1878	0.587	1.03	12 Aroclor 1248	CO
6.273	7953	6004	0.755	2.57		
6.298	7279	5202	0.715	2.35		
6.333	5478	3348	0.611	1.77	12 Aroclor 1248	CO
6.387	159	88	0.553	0.05		
6.478	9910	7796	0.787	3.20	12 Aroclor 1248	CO
6.505	3815	3056	0.801	1.23		
6.555	6123	4727	0.772	1.98	12 Aroclor 1248	CO
6.588	5745	3500	0.609	1.86		
6.683	2665	1902	0.714	0.86		
6.765	5422	4054	0.748	1.75	12 Aroclor 1248	CO
6.800	4457	3398	0.762	1.44		
6.833	10651	8410	0.790	3.44		
6.858	13472	8084	0.600	4.36		
7.000	19560	6254	0.320	6.33		
7.193	2946	2296	0.779	0.95		
7.228	3874	3209	0.828	1.25		
7.263	2456	1957	0.797	0.79		
7.320	6930	5086	0.734	2.24		
7.417	4440	2128	0.479	1.43		
7.453	1689	1028	0.609	0.54		
7.488	1328	781	0.588	0.43		
7.525	6999	3948	0.564	2.26		
7.650	700	652	0.932	0.22		
7.733	4634	3128	0.675	1.50		
7.858	1962	1173	0.598	0.63		
8.327	590	365	0.618	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.570	682	274	0.402	0.22	
8.698	1624	494	0.304	0.52	
8.768	828	611	0.738	0.26	
8.837	977	627	0.642	0.31	
9.163	976	215	0.220	0.31	
9.347	1334	833	0.624	0.43	
9.545	67968	41303	0.608	22.21	
9.683	733	293	0.400	0.23	
10.305	997	358	0.359	0.32	
11.040	1402	451	0.322	0.45	
	308882	194345		100.000	

Total unknown % area = 86

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707014.d
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 07-JUL-2020 16:50
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal1d,254112:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
5.963	5.961	0.002	4776	0.05000	0.048	0.00-	20.00	100.00 (M)	CO
5.983	5.982	0.001	7502	0.05000	0.054	0.00-	20.00	157.08	CO
6.171	6.170	0.001	3200	0.05000	0.054	0.00-	20.00	67.00	CO
6.333	6.332	0.001	5477	0.05000	0.056	0.00-	20.00	114.68	CO
6.478	6.478	0.000	9910	0.05000	0.054	0.00-	20.00	207.50	CO
6.555	6.553	0.002	6123	0.05000	0.052	0.00-	20.00	128.20	CO
6.765	6.763	0.002	5421	0.05000	0.051	0.00-	20.00	113.51	CO
Average of Peak Amounts =					0.05271				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 16:50

Client ID: 1248-CAL1D

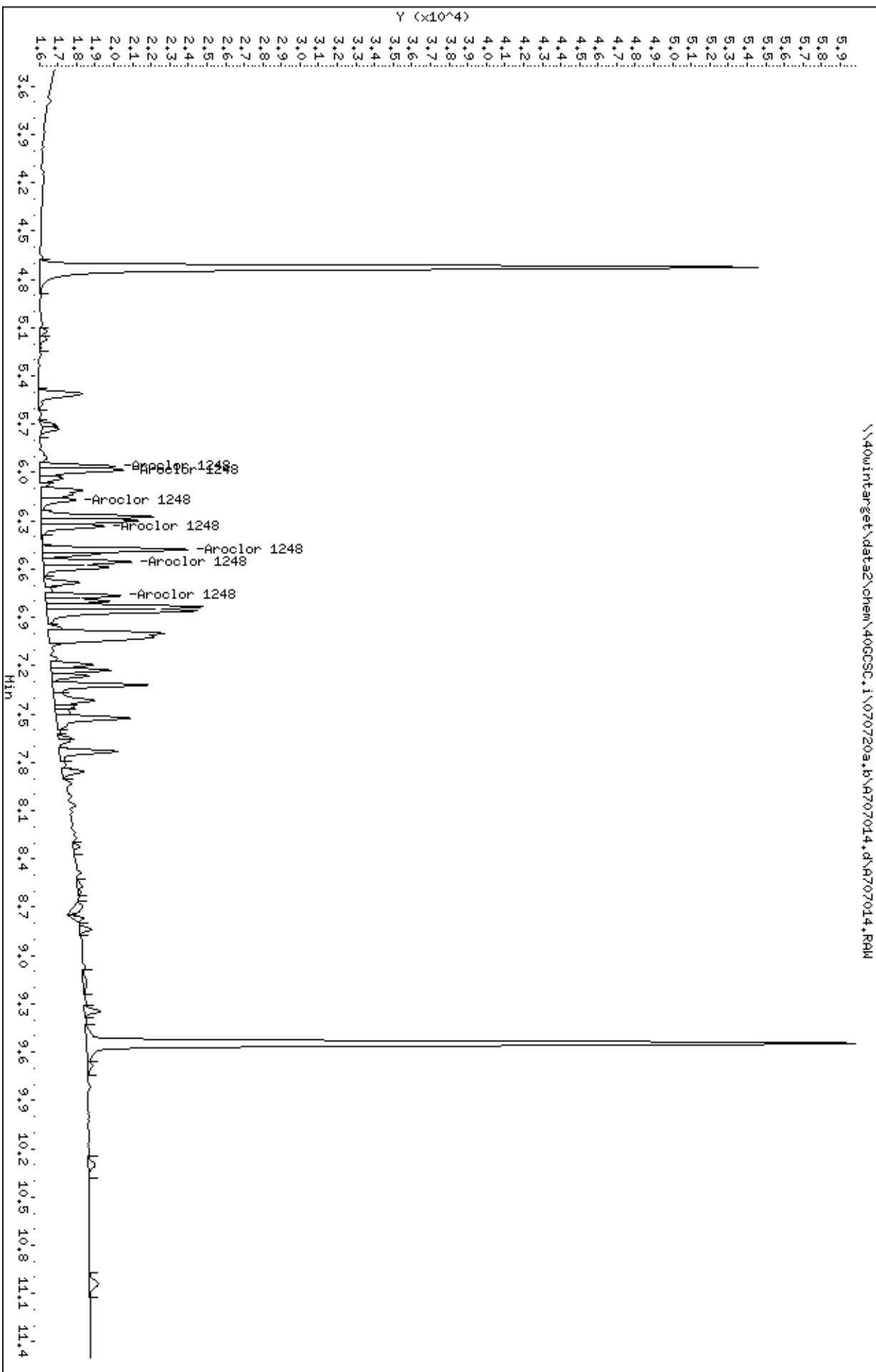
Sample Info: 1248-CAL1D,254112:1

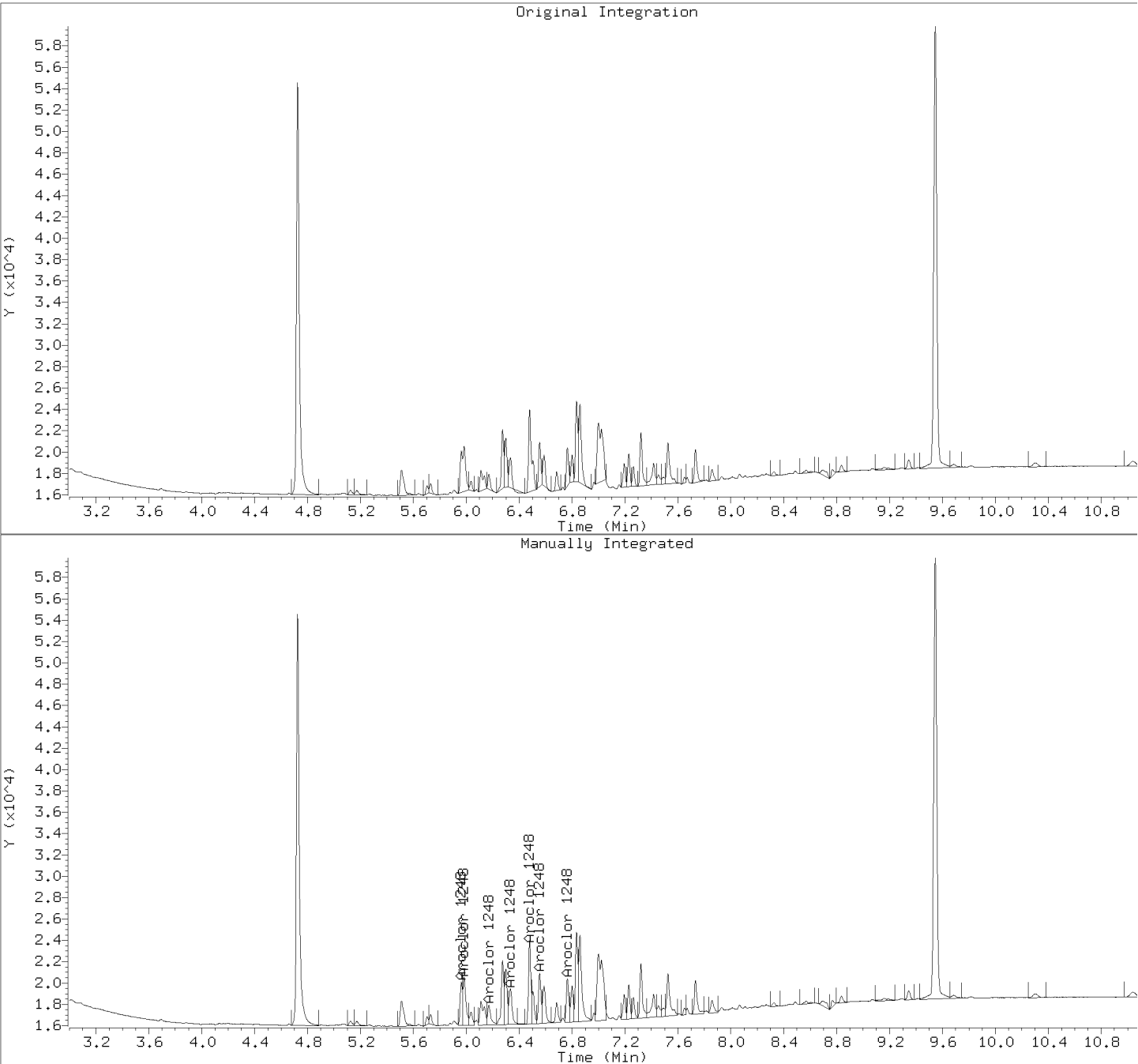
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO
Aroclor 1248	0	4776	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707014.d
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 07-JUL-2020 16:50
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-calld,254112:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.660	52607	44728	0.850	18.94		
5.070	810	539	0.665	0.29		
5.180	899	580	0.645	0.32		
5.598	4378	2438	0.557	1.57		
5.810	1352	1138	0.842	0.48		
5.845	1447	1161	0.802	0.52		
5.937	1078	533	0.495	0.38		
6.023	5554	4855	0.874	2.00	12 Aroclor 1248	CO
6.043	7021	5194	0.740	2.52	12 Aroclor 1248	CO
6.165	4949	2987	0.604	1.78		
6.225	15	77	5.133	0.00		
6.258	2809	2239	0.797	1.01	12 Aroclor 1248	CO
6.292	1891	1518	0.803	0.68		
6.335	7186	6181	0.860	2.58		
6.377	6102	4936	0.809	2.19		
6.412	5352	3015	0.563	1.92	12 Aroclor 1248	CO
6.473	1306	607	0.465	0.47		
6.572	9254	8218	0.888	3.33	12 Aroclor 1248	CO
6.608	4073	2839	0.697	1.46		
6.675	8501	7032	0.827	3.06	12 Aroclor 1248	CO
6.698	2802	1845	0.658	1.00		
6.802	2792	2429	0.870	1.00		
6.828	5855	4862	0.830	2.10	12 Aroclor 1248	CO
6.878	10656	9341	0.877	3.83		
6.917	12741	10054	0.789	4.58		
6.978	1697	1258	0.741	0.61		
7.010	1502	1057	0.704	0.54		
7.057	3867	3334	0.862	1.39		
7.100	11643	9161	0.787	4.19		
7.138	3505	2170	0.619	1.26		
7.280	2885	2236	0.775	1.03		
7.323	3983	3273	0.822	1.43		
7.370	2536	2184	0.861	0.91		
7.410	6910	5395	0.781	2.48		
7.540	2765	2054	0.743	0.99		
7.570	4702	3781	0.804	1.69		
7.690	1261	658	0.522	0.45		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.823	4501	3468	0.770	1.62	
7.947	1445	947	0.656	0.52	
8.010	690	328	0.476	0.24	
8.202	475	286	0.602	0.17	
8.875	686	119	0.174	0.24	
8.930	497	405	0.815	0.17	
9.018	601	477	0.794	0.21	
9.513	988	724	0.733	0.35	
9.815	59098	36574	0.619	21.50	
	277668	209235		100.000	

Total unknown % area = 84

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707014.d
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 07-JUL-2020 16:50
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal1d,254112:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
12 Aroclor 1248					CAS #: 12672-29-6				
6.023	6.022	0.001	5554	0.05000	0.054	0.00-	20.00	100.00 (M)	CO
6.043	6.041	0.002	7021	0.05000	0.057	0.00-	20.00	126.41	CO
6.258	6.258	0.000	2809	0.05000	0.056	0.00-	20.00	50.58	CO
6.411	6.410	0.001	5351	0.05000	0.058	0.00-	20.00	96.34	CO
6.571	6.570	0.001	9254	0.05000	0.056	0.00-	20.00	166.62	CO
6.675	6.674	0.001	8501	0.05000	0.054	0.00-	20.00	153.06	CO
6.828	6.827	0.001	5854	0.05000	0.056	0.00-	20.00	105.40	CO
Average of Peak Amounts =					0.05586				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 16:50

Client ID: 1248-CAL1D

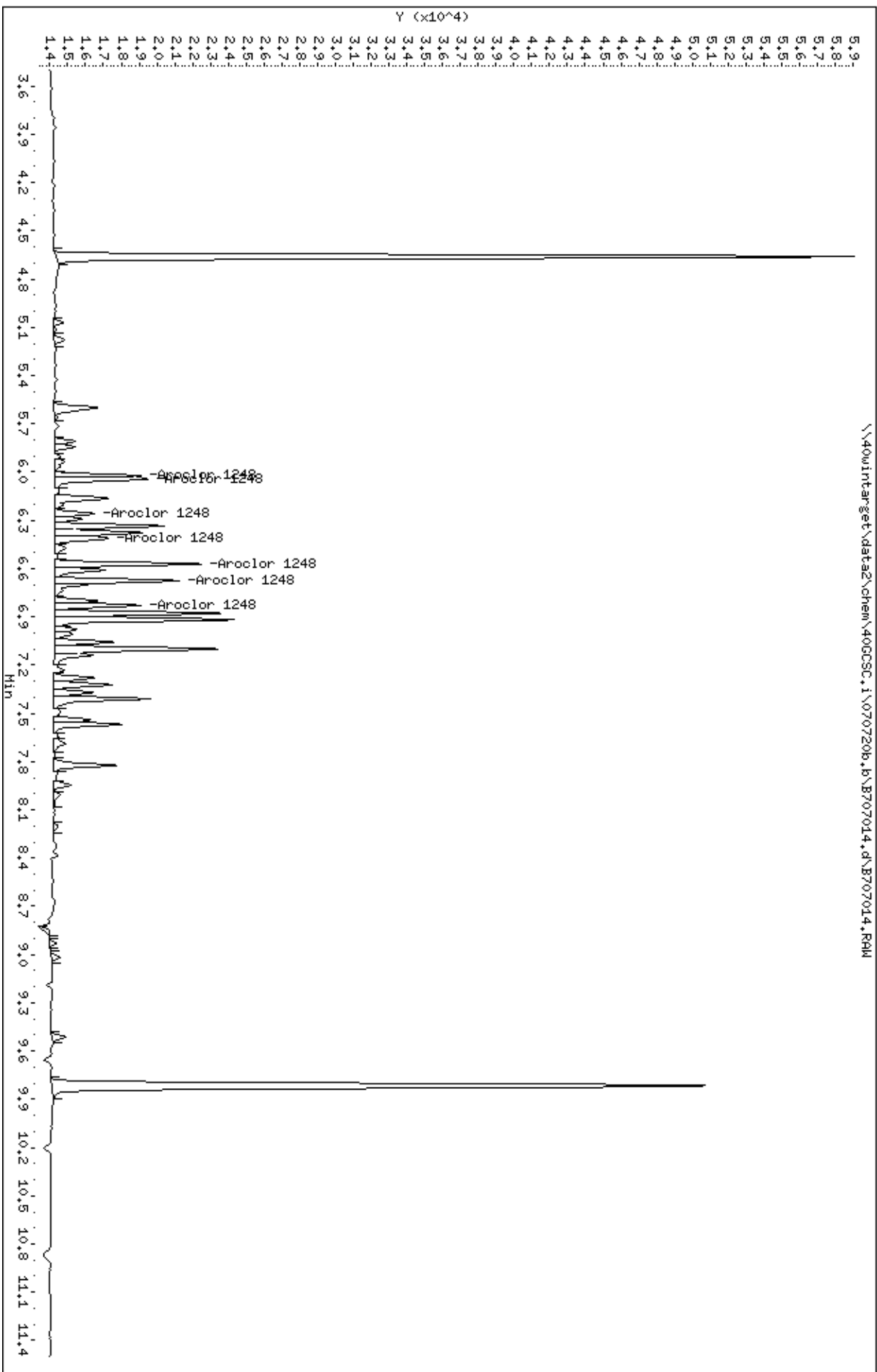
Sample Info: 1248-CAL1D,254112:1

Instrument: 40GCSC.i

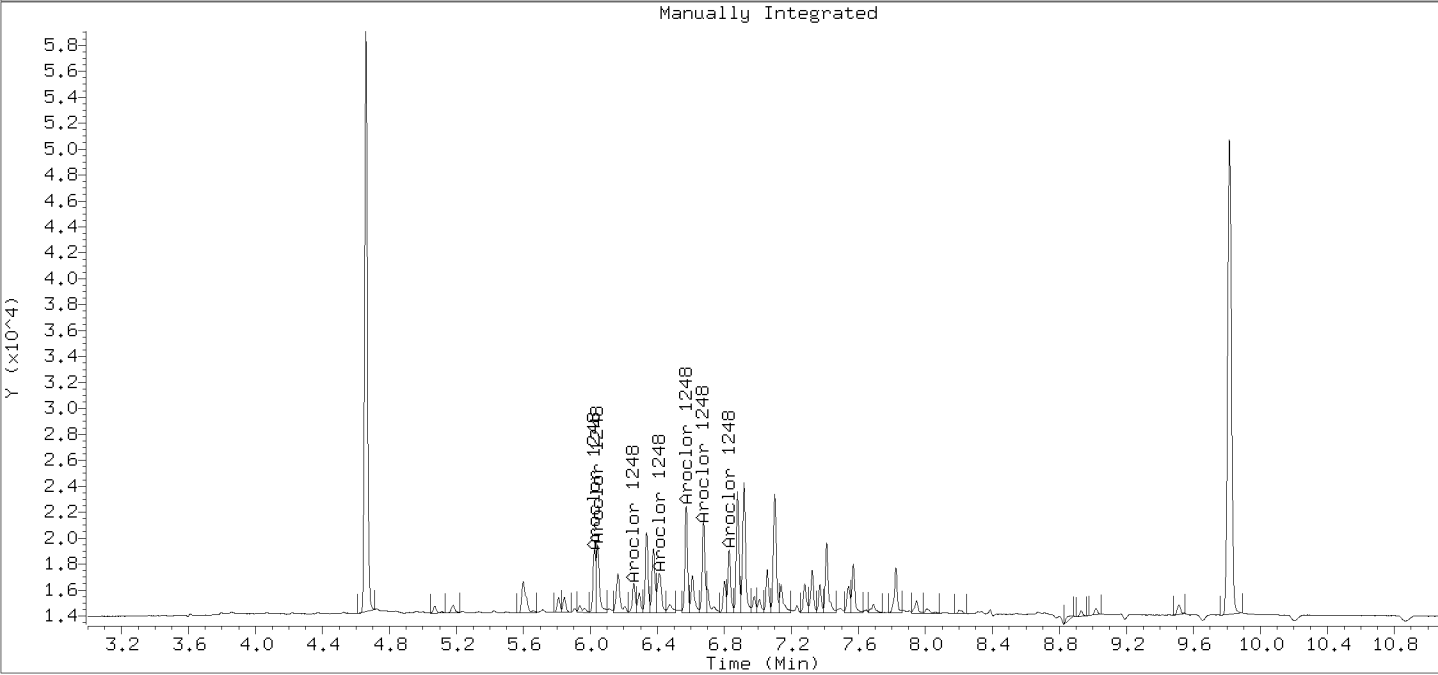
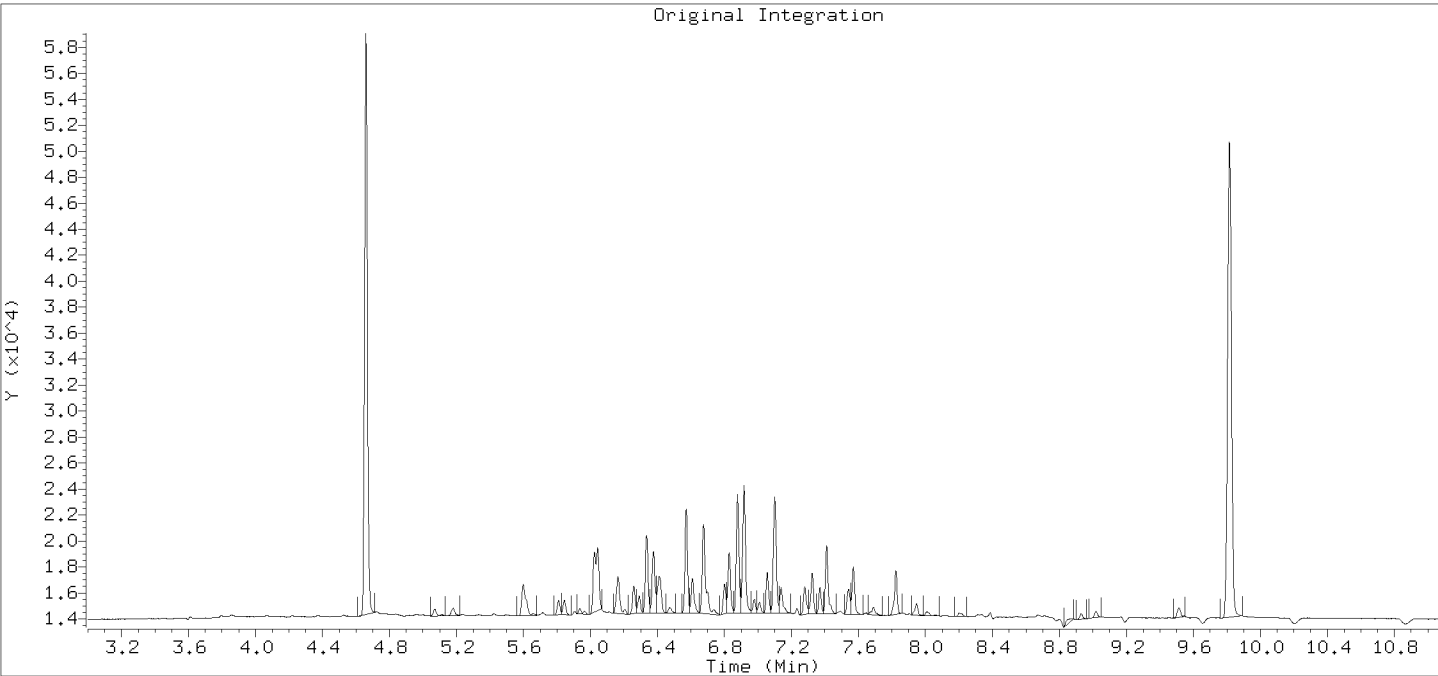
Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II



Data File: \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707014.d (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 07-JUL-2020 16:50 Operator: BLM
Instrument: 40GCSC.i
Lab Sample ID: 1248-CAL1D



Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO
Aroclor 1248	0	5554	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707015.d
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 07-JUL-2020 17:08
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal2d,254113:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.135	637	362	0.569	0.06		
4.727	114710	75085	0.655	12.55		
4.908	794	326	0.411	0.08		
5.042	810	270	0.333	0.08		
5.077	760	420	0.553	0.08		
5.125	2990	1819	0.608	0.32		
5.173	2081	970	0.466	0.22		
5.268	801	506	0.632	0.08		
5.510	18432	9039	0.490	2.01		
5.638	828	590	0.713	0.09		
5.703	4049	3416	0.844	0.44		
5.732	5210	4012	0.770	0.57		
5.908	3355	1877	0.560	0.36		
5.962	19001	15891	0.836	2.07	12 Aroclor 1248	CO
5.983	29413	17878	0.608	3.21	12 Aroclor 1248	CO
6.037	7042	4521	0.642	0.77		
6.077	2196	1632	0.743	0.24		
6.112	12225	8884	0.727	1.33		
6.137	8441	6417	0.760	0.92		
6.172	11979	7407	0.618	1.31	12 Aroclor 1248	CO
6.275	29132	21800	0.748	3.18		
6.298	25474	19053	0.748	2.78		
6.333	20833	12565	0.603	2.28	12 Aroclor 1248	CO
6.478	37252	29700	0.797	4.07	12 Aroclor 1248	CO
6.505	13897	11180	0.805	1.52		
6.555	23872	18800	0.788	2.61	12 Aroclor 1248	CO
6.588	22044	13295	0.603	2.41		
6.683	10298	7448	0.723	1.12		
6.728	2365	1892	0.800	0.25		
6.763	21780	16304	0.749	2.38	12 Aroclor 1248	CO
6.800	15566	12189	0.783	1.70		
6.833	41470	33302	0.803	4.53		
6.858	49171	31644	0.644	5.38		
6.965	3137	2916	0.930	0.34		
6.998	74392	24105	0.324	8.14		
7.107	1193	818	0.686	0.13		
7.155	1784	1675	0.939	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.195	11637	8784	0.755	1.27	
7.228	14753	12307	0.834	1.61	
7.263	9697	7816	0.806	1.06	
7.320	24650	19292	0.783	2.69	
7.417	11059	6760	0.611	1.21	
7.455	3612	2504	0.693	0.39	
7.488	3054	1872	0.613	0.33	
7.525	18273	13349	0.731	1.99	
7.572	2822	1634	0.579	0.30	
7.650	4986	2519	0.505	0.54	
7.733	17524	12342	0.704	1.91	
7.860	6027	4070	0.675	0.65	
7.930	1553	1027	0.661	0.16	
8.012	1115	428	0.384	0.12	
8.067	1962	1330	0.678	0.21	
8.108	1048	804	0.767	0.11	
8.238	1860	673	0.362	0.20	
8.327	1824	1356	0.743	0.19	
8.570	1510	677	0.448	0.16	
8.607	917	490	0.534	0.10	
8.695	1263	407	0.322	0.13	
8.768	1054	798	0.757	0.11	
8.838	1309	821	0.627	0.14	
9.070	746	444	0.595	0.08	
9.160	852	261	0.306	0.09	
9.345	2035	1350	0.664	0.22	
9.547	123933	76260	0.615	13.90	
9.685	1191	380	0.319	0.13	
9.817	517	262	0.507	0.05	
10.307	709	275	0.388	0.07	
11.042	806	269	0.334	0.08	
	913710	601569		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707015.d
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 07-JUL-2020 17:08
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal2d,254113:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
5.961	5.961	0.000	19001	0.20000	0.19	0.00-	20.00	100.00 (M)	CO
5.983	5.982	0.001	29413	0.20000	0.21	0.00-	20.00	154.80	CO
6.171	6.170	0.001	11979	0.20000	0.20	0.00-	20.00	63.04	CO
6.333	6.332	0.001	20833	0.20000	0.21	0.00-	20.00	109.64	CO
6.478	6.478	0.000	37251	0.20000	0.20	0.00-	20.00	196.05	CO
6.555	6.553	0.002	23872	0.20000	0.20	0.00-	20.00	125.64	CO
6.763	6.763	0.000	21779	0.20000	0.20	0.00-	20.00	114.62	CO
Average of Peak Amounts =					0.20143				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:08

Client ID: 1248-CAL2D

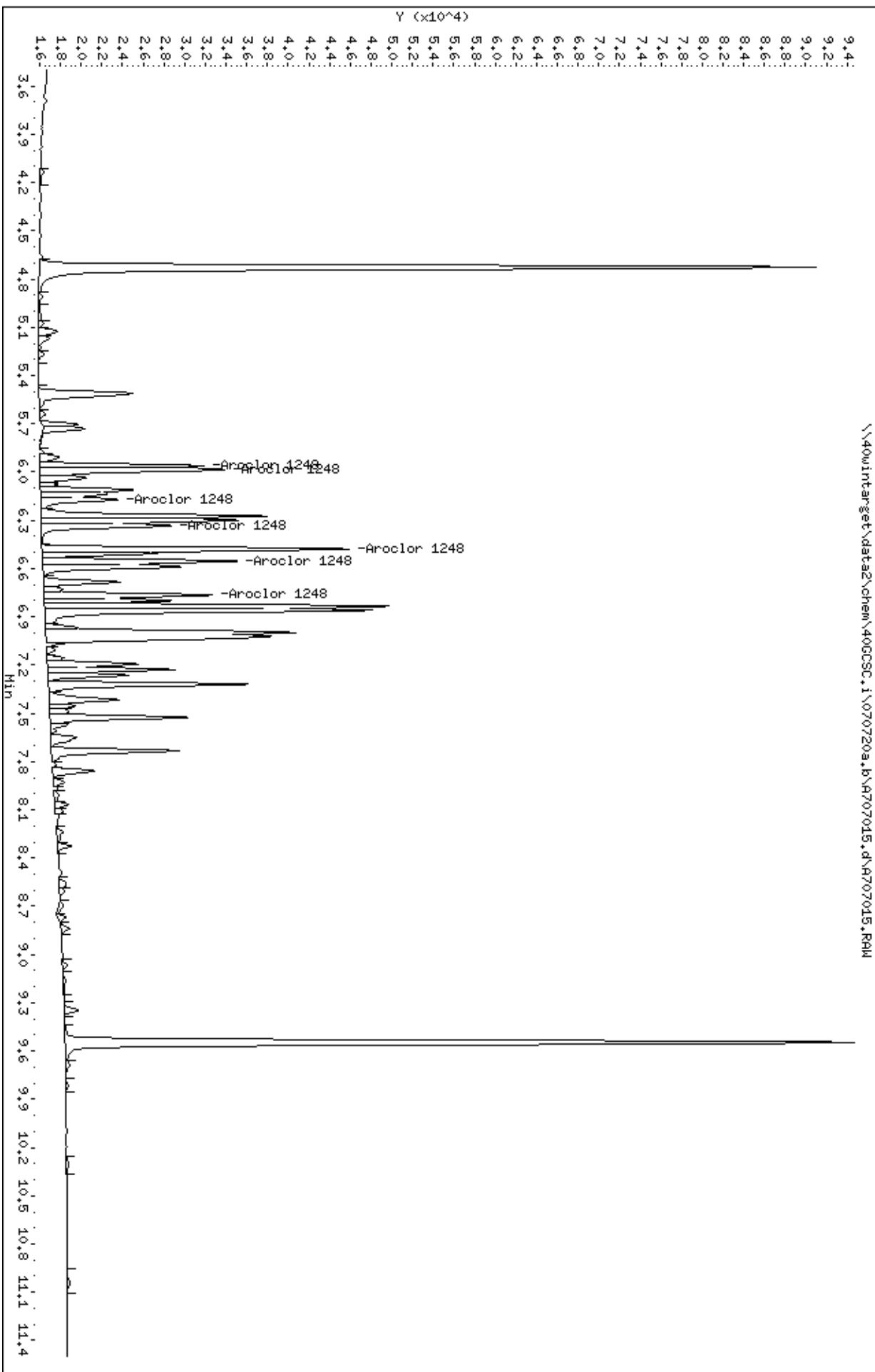
Sample Info: 1248-CAL2D,254113:1

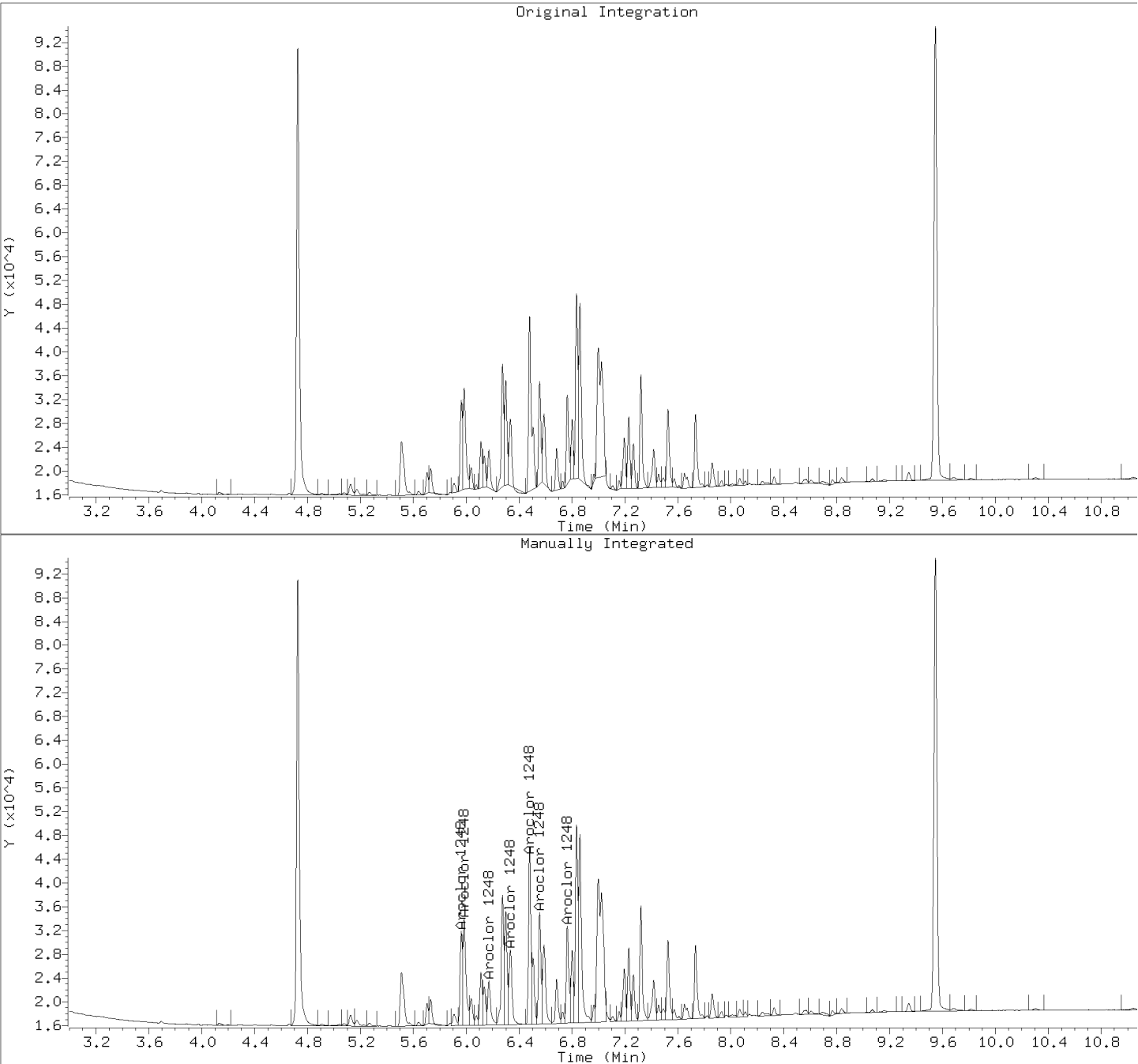
Instrument: 40GCSC.i

Column phase: Rtx-CLP

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO
Aroclor 1248	0	19001	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707015.d
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 07-JUL-2020 17:08
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal2d,254113:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.858	530	376	0.709	0.06		
4.238	452	171	0.378	0.05		
4.660	103100	86609	0.840	12.31		
4.780	575	301	0.524	0.06		
4.960	978	416	0.425	0.11		
5.072	1244	995	0.800	0.14		
5.113	526	414	0.788	0.06		
5.180	3257	2179	0.669	0.38		
5.425	707	565	0.799	0.08		
5.598	16075	9102	0.566	1.92		
5.715	1265	823	0.651	0.15		
5.810	5080	4395	0.865	0.60		
5.845	5666	4520	0.798	0.67		
5.907	729	621	0.852	0.08		
5.937	3902	2096	0.537	0.46		
5.993	41	208	5.049	0.00		
6.023	21001	18642	0.888	2.50	12 Aroclor 1248	CO
6.043	25500	19387	0.760	3.04	12 Aroclor 1248	CO
6.165	16261	11358	0.698	1.94		
6.205	2024	1589	0.785	0.24		
6.258	10089	8599	0.852	1.20	12 Aroclor 1248	CO
6.292	6837	5558	0.813	0.81		
6.335	25690	22627	0.881	3.06		
6.377	22068	18302	0.829	2.63		
6.412	19178	11133	0.581	2.29	12 Aroclor 1248	CO
6.475	4321	2482	0.574	0.51		
6.572	34602	31075	0.898	4.13	12 Aroclor 1248	CO
6.608	14573	10586	0.726	1.74		
6.675	32183	27531	0.855	3.84	12 Aroclor 1248	CO
6.698	7043	6740	0.957	0.84		
6.737	2442	1523	0.624	0.29		
6.802	10097	8934	0.885	1.20		
6.828	21431	18431	0.860	2.55	12 Aroclor 1248	CO
6.878	39813	34865	0.876	4.75		
6.917	46986	38912	0.828	5.61		
6.978	5592	4415	0.790	0.66		
7.008	4717	3740	0.793	0.56		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.057	14145	12155	0.859	1.68	
7.100	44193	35782	0.810	5.27	
7.138	12182	7742	0.636	1.45	
7.233	2320	1922	0.828	0.27	
7.280	10499	8429	0.803	1.25	
7.323	14810	12346	0.834	1.76	
7.370	9249	8351	0.903	1.10	
7.410	25160	20296	0.807	3.00	
7.493	2602	1245	0.478	0.31	
7.540	10406	7696	0.740	1.24	
7.570	17301	14057	0.812	2.06	
7.647	1169	833	0.712	0.13	
7.670	1350	1335	0.989	0.16	
7.690	3786	2464	0.651	0.45	
7.823	17937	13405	0.747	2.14	
7.903	645	531	0.824	0.07	
7.948	5470	3698	0.676	0.65	
8.007	2263	952	0.421	0.27	
8.107	462	211	0.457	0.05	
8.202	1915	1159	0.605	0.22	
8.270	327	255	0.781	0.03	
8.313	1158	704	0.608	0.13	
8.387	1379	1255	0.910	0.16	
8.672	1306	588	0.450	0.15	
8.803	450	282	0.627	0.05	
8.867	507	175	0.345	0.06	
8.932	778	608	0.782	0.09	
9.018	1252	718	0.573	0.14	
9.173	537	458	0.853	0.06	
9.515	2266	1291	0.570	0.27	
9.817	112821	69917	0.620	13.81	
	837218	651080		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707015.d
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 07-JUL-2020 17:08
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal2d,254113:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
6.023	6.022	0.001	21000	0.20000	0.21	0.00-	20.00	100.00 (M)	CO
6.043	6.041	0.002	25499	0.20000	0.20	0.00-	20.00	121.42	CO
6.258	6.258	0.000	10089	0.20000	0.20	0.00-	20.00	48.04	CO
6.411	6.410	0.001	19177	0.20000	0.21	0.00-	20.00	91.32	CO
6.571	6.570	0.001	34601	0.20000	0.21	0.00-	20.00	164.77	CO
6.675	6.674	0.001	32183	0.20000	0.20	0.00-	20.00	153.25	CO
6.828	6.827	0.001	21431	0.20000	0.20	0.00-	20.00	102.05	CO
Average of Peak Amounts =					0.20429				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:08

Client ID: 1248-CAL2D

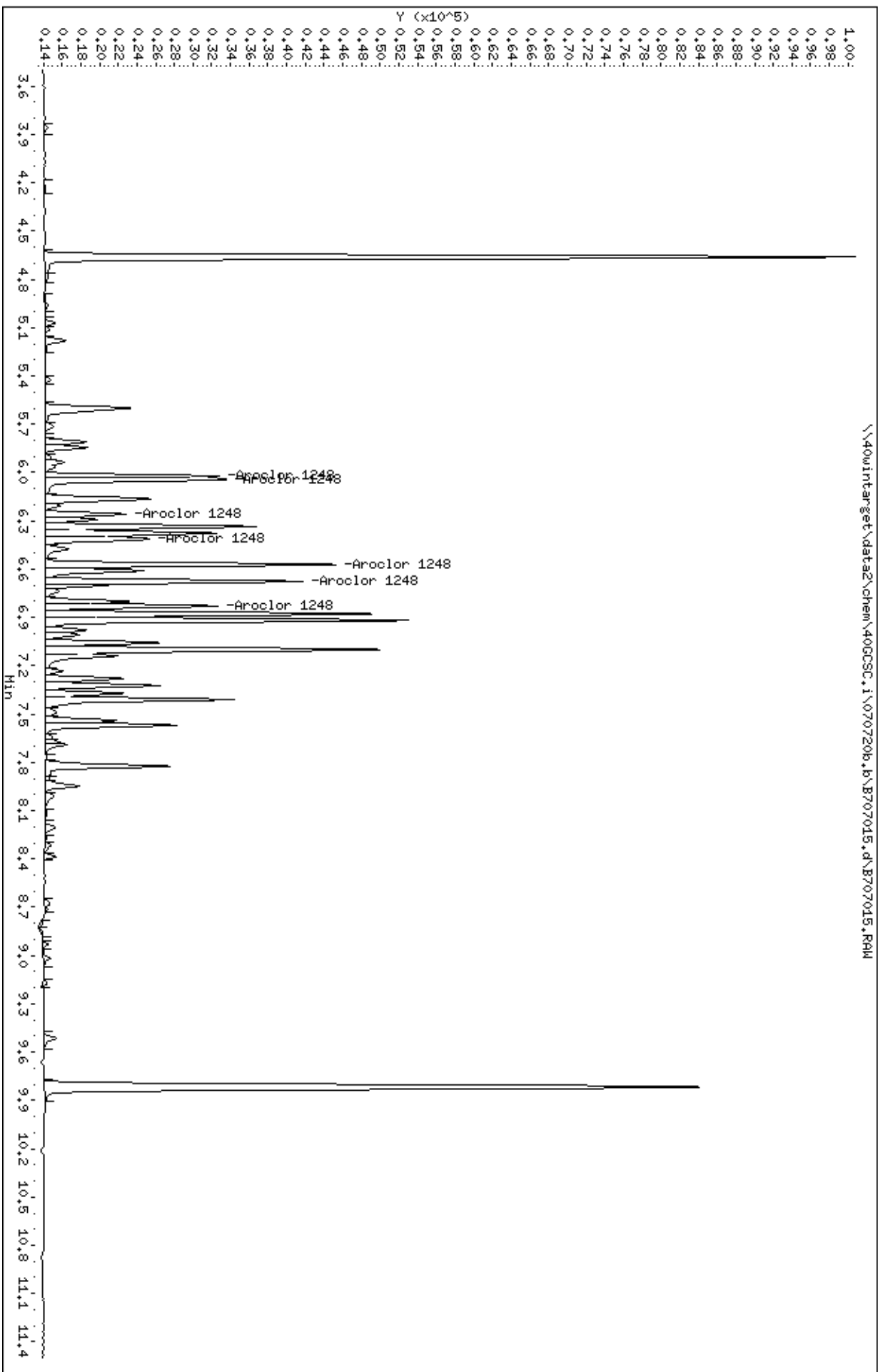
Sample Info: 1248-CAL2D,254113:1

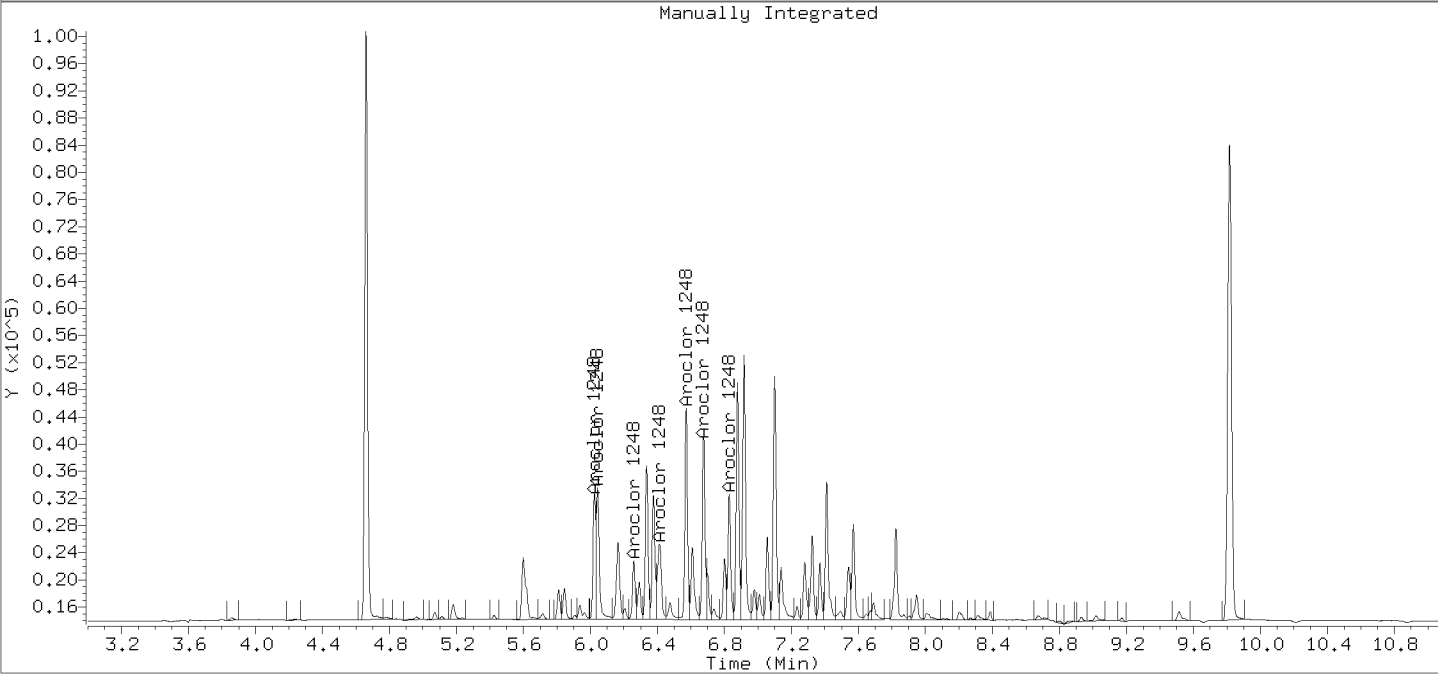
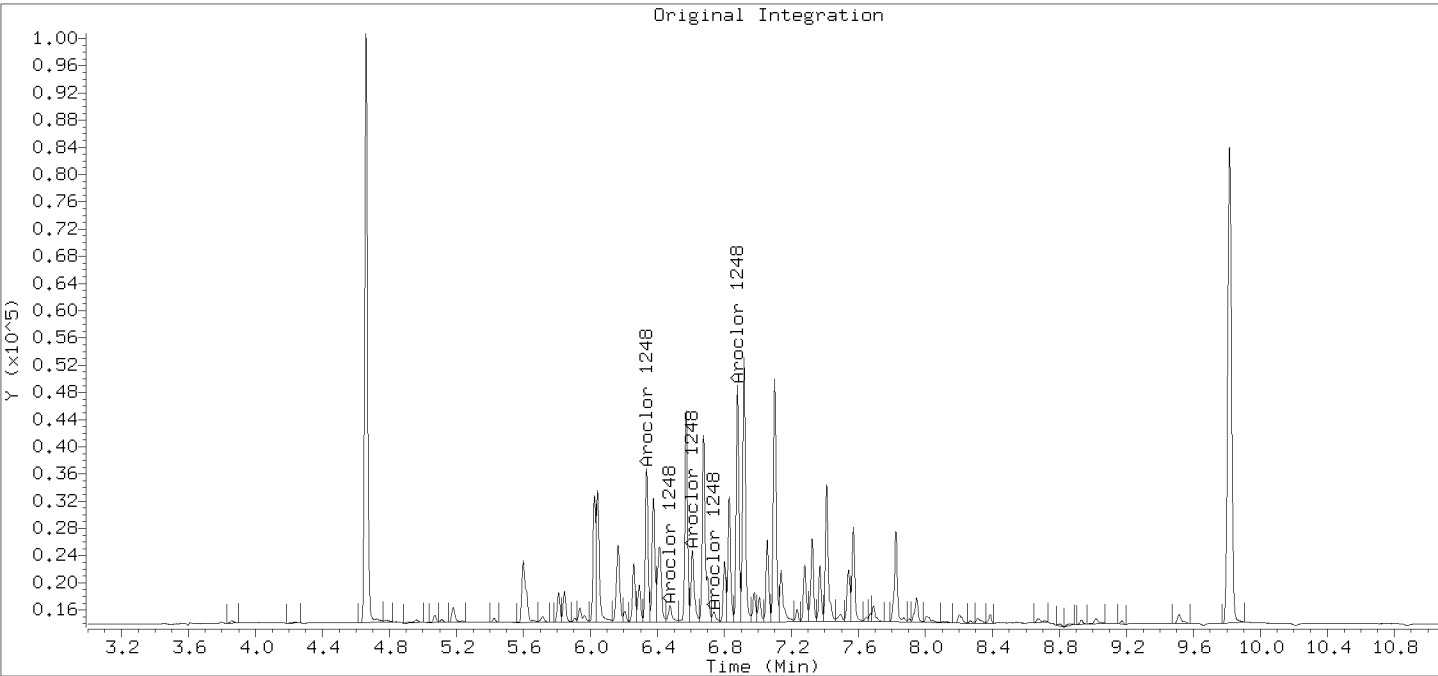
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO
Aroclor 1248	0	21000	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707016.d
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 07-JUL-2020 17:26
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal3d,254114:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	1909	878	0.460	0.08		
3.885	1425	489	0.343	0.06		
4.155	5383	800	0.149	0.24		
4.387	626	193	0.308	0.02		
4.515	942	249	0.264	0.04		
4.660	857	673	0.785	0.03		
4.725	286824	199229	0.695	12.85		
4.907	1154	671	0.582	0.05		
5.075	1572	926	0.589	0.07		
5.125	7148	4562	0.638	0.32		
5.172	3384	2201	0.650	0.15		
5.268	1506	1139	0.756	0.06		
5.510	43847	22072	0.503	1.96		
5.638	2299	1626	0.707	0.10		
5.703	10663	9075	0.851	0.47		
5.730	14249	10106	0.709	0.63		
5.832	1025	730	0.712	0.04		
5.878	1254	1123	0.896	0.05		
5.907	8325	4747	0.570	0.37		
5.962	49825	40549	0.814	2.23	12 Aroclor 1248	CO
5.983	67509	45104	0.668	3.02	12 Aroclor 1248	CO
6.037	14593	9874	0.677	0.65		
6.075	5444	3950	0.726	0.24		
6.110	47952	22713	0.474	2.14		
6.170	28856	19141	0.663	1.29	12 Aroclor 1248	CO
6.273	125367	50984	0.407	5.61		
6.333	46006	29677	0.645	2.06	12 Aroclor 1248	CO
6.402	255	256	1.005	0.01		
6.478	89295	73445	0.822	4.00	12 Aroclor 1248	CO
6.503	32645	26741	0.819	1.46		
6.553	57648	48142	0.835	2.58	12 Aroclor 1248	CO
6.587	51902	32765	0.631	2.32		
6.682	25661	18264	0.712	1.14		
6.728	5589	4637	0.830	0.25		
6.763	52967	40519	0.765	2.37	12 Aroclor 1248	CO
6.800	35290	28114	0.797	1.58		
6.832	100555	83947	0.835	4.50		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.858	111333	76885	0.691	4.98	
6.923	3146	2032	0.646	0.14	
6.977	8920	7142	0.801	0.39	
6.997	87072	59945	0.688	3.90	
7.020	98176	53790	0.548	4.39	
7.107	3210	2094	0.652	0.14	
7.155	4972	4136	0.832	0.22	
7.193	28143	21794	0.774	1.26	
7.227	36563	30309	0.829	1.63	
7.262	23611	19387	0.821	1.05	
7.320	59412	48930	0.824	2.66	
7.415	26162	16516	0.631	1.17	
7.453	7629	5357	0.702	0.34	
7.488	6404	4212	0.658	0.28	
7.523	42555	33174	0.780	1.90	
7.572	4922	3679	0.747	0.22	
7.608	1258	1131	0.899	0.05	
7.648	13151	6305	0.479	0.58	
7.732	43263	32062	0.741	1.93	
7.815	2432	1499	0.616	0.10	
7.857	14552	9832	0.676	0.65	
7.930	4479	2860	0.639	0.20	
7.965	1309	1032	0.789	0.05	
8.010	2104	1023	0.486	0.09	
8.065	5065	3710	0.732	0.22	
8.108	2299	1808	0.786	0.10	
8.140	1022	825	0.807	0.04	
8.185	1425	777	0.545	0.06	
8.237	4708	1735	0.369	0.21	
8.325	5097	3360	0.659	0.22	
8.440	764	432	0.565	0.03	
8.487	1178	704	0.598	0.05	
8.568	4167	1924	0.462	0.18	
8.605	2508	1291	0.515	0.11	
8.690	2999	1248	0.416	0.13	
8.767	3037	2352	0.774	0.13	
8.835	4918	3144	0.639	0.22	
8.900	581	183	0.315	0.02	
8.993	603	178	0.295	0.02	
9.067	1833	1122	0.612	0.08	
9.152	3524	1292	0.367	0.15	
9.343	6487	4240	0.654	0.29	
9.545	293770	185717	0.632	13.55	
9.677	5334	1742	0.327	0.23	
9.815	1147	620	0.541	0.05	
10.212	777	369	0.475	0.03	
10.292	5159	1730	0.335	0.23	
11.030	6558	1812	0.276	0.29	
	2231490	1507752		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707016.d
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 07-JUL-2020 17:26
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal3d,254114:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
5.961	5.961	0.000	49825	0.50000	0.51	0.00-	20.00	100.00 (M)	CO
5.983	5.982	0.001	67509	0.50000	0.48	0.00-	20.00	135.49	CO
6.170	6.170	0.000	28856	0.50000	0.49	0.00-	20.00	57.91	CO
6.333	6.332	0.001	46005	0.50000	0.47	0.00-	20.00	92.33	CO
6.478	6.478	0.000	89295	0.50000	0.49	0.00-	20.00	179.22	CO
6.553	6.553	0.000	57647	0.50000	0.49	0.00-	20.00	115.70	CO
6.763	6.763	0.000	52966	0.50000	0.50	0.00-	20.00	106.30	CO
Average of Peak Amounts =					0.49000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:26

Client ID: 1248-CAL3D

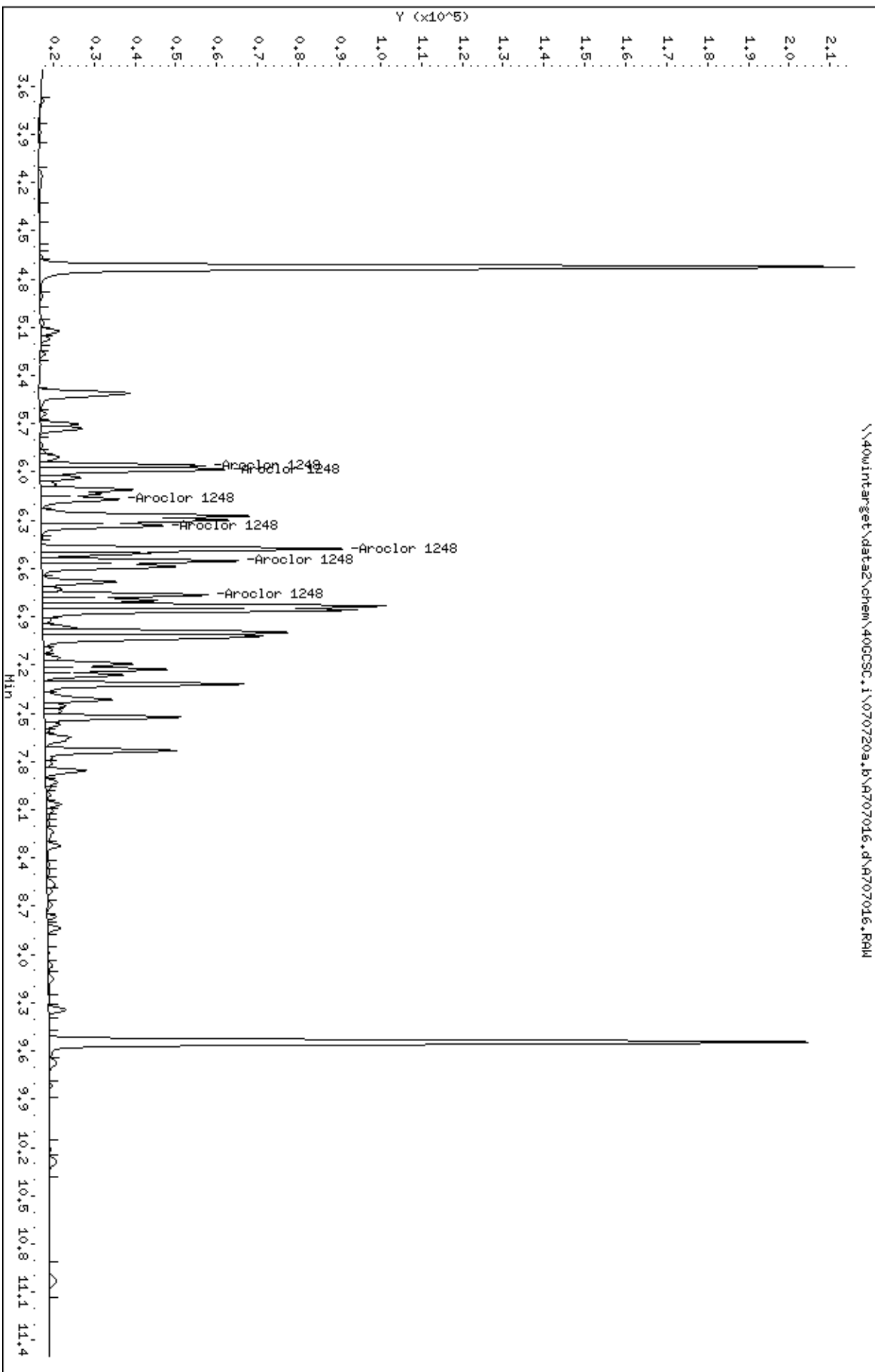
Sample Info: 1248-CAL3D,254114:1

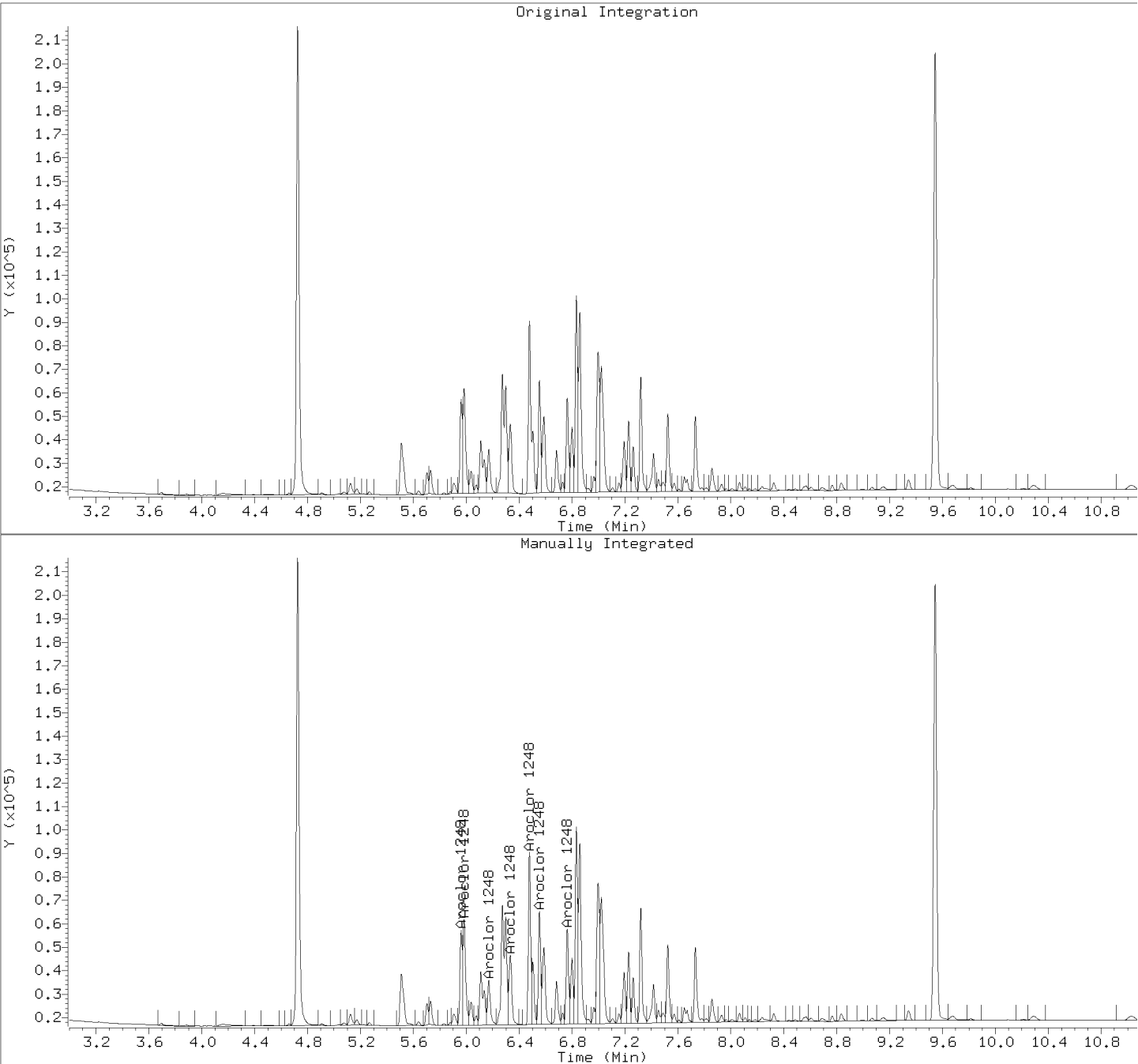
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO
Aroclor 1248	0	49825	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707016.d
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 07-JUL-2020 17:26
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal3d,254114:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.608	1437	1044	0.726	0.07		
3.800	3508	985	0.281	0.17		
3.913	652	463	0.711	0.03		
4.067	574	539	0.939	0.02		
4.218	1594	871	0.546	0.07		
4.368	1395	816	0.585	0.06		
4.522	1023	723	0.706	0.05		
4.660	254546	215138	0.845	12.59		
4.725	3465	1430	0.413	0.17		
4.778	2123	1054	0.497	0.10		
4.837	1785	888	0.498	0.08		
4.920	576	248	0.431	0.02		
4.960	1921	1135	0.591	0.09		
4.998	1459	791	0.542	0.07		
5.070	3214	2514	0.782	0.15		
5.113	1522	1068	0.702	0.07		
5.180	8232	5596	0.680	0.40		
5.235	717	524	0.731	0.03		
5.333	621	439	0.707	0.03		
5.425	1704	1396	0.819	0.08		
5.497	818	531	0.649	0.04		
5.598	35552	20545	0.578	1.75		
5.658	1652	1128	0.683	0.08		
5.713	3165	1962	0.620	0.15		
5.810	12404	10655	0.859	0.61		
5.845	13450	10725	0.797	0.66		
5.905	2242	1724	0.769	0.11		
5.937	9797	5071	0.518	0.48		
6.023	48620	45222	0.930	2.40	12 Aroclor 1248	CO
6.042	58921	47335	0.803	2.91	12 Aroclor 1248	CO
6.108	3810	1867	0.490	0.18		
6.163	38063	27111	0.712	1.88		
6.205	4437	3649	0.822	0.21		
6.258	24422	20860	0.854	1.20	12 Aroclor 1248	CO
6.290	15218	12915	0.849	0.75		
6.335	60103	52722	0.877	2.97		
6.375	52397	43379	0.828	2.59		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.412	43756	26362	0.602	2.16	12 Aroclor 1248
6.472	9291	6460	0.695	0.45	
6.570	80703	73062	0.905	3.99	12 Aroclor 1248
6.608	33381	24724	0.741	1.65	
6.675	76245	65348	0.857	3.77	12 Aroclor 1248
6.698	16585	15779	0.951	0.82	
6.737	4938	3379	0.684	0.24	
6.800	23288	21523	0.924	1.15	
6.827	51015	44555	0.873	2.52	12 Aroclor 1248
6.877	93786	83202	0.887	4.64	
6.917	110228	94366	0.856	5.45	
6.977	12280	10206	0.831	0.60	
7.008	10949	8789	0.803	0.54	
7.055	32505	28294	0.870	1.60	
7.098	105456	87962	0.834	5.21	
7.137	26831	17280	0.644	1.32	
7.232	4779	4070	0.852	0.23	
7.278	24052	19809	0.824	1.19	
7.323	35386	30075	0.850	1.75	
7.370	21654	19680	0.909	1.07	
7.410	60002	49525	0.825	2.96	
7.492	5608	2937	0.524	0.27	
7.538	24311	18326	0.754	1.20	
7.568	40475	34303	0.848	2.00	
7.643	2074	1636	0.789	0.10	
7.670	2823	3083	1.092	0.13	
7.688	8331	5606	0.673	0.41	
7.823	41043	33430	0.815	2.03	
7.870	2201	1657	0.753	0.10	
7.902	1615	1235	0.765	0.07	
7.947	12879	8859	0.688	0.63	
8.007	4671	2417	0.517	0.23	
8.105	1028	508	0.494	0.05	
8.200	4618	2872	0.622	0.22	
8.270	798	622	0.780	0.03	
8.313	2605	1687	0.648	0.12	
8.383	2250	1998	0.888	0.11	
8.672	3265	1770	0.542	0.16	
8.708	3708	1378	0.372	0.18	
8.802	1332	636	0.478	0.06	
8.872	1907	528	0.277	0.09	
8.930	3673	2334	0.635	0.18	
9.017	4785	2812	0.588	0.23	
9.513	6954	4133	0.594	0.34	
9.712	3301	708	0.214	0.16	
9.815	278525	174143	0.625	14.19	
10.280	1717	239	0.139	0.08	
	2020749	1589370		100.000	

Total unknown % area = 81

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707016.d
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 07-JUL-2020 17:26
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal3d,254114:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
6.023	6.022	0.001	48620	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
6.041	6.041	0.000	58921	0.50000	0.48	0.00-	20.00	121.19	CO
6.258	6.258	0.000	24422	0.50000	0.49	0.00-	20.00	50.23	CO
6.411	6.410	0.001	43755	0.50000	0.47	0.00-	20.00	89.99	CO
6.570	6.570	0.000	80703	0.50000	0.48	0.00-	20.00	165.99	CO
6.675	6.674	0.001	76244	0.50000	0.48	0.00-	20.00	156.82	CO
6.826	6.827	-0.001	51015	0.50000	0.49	0.00-	20.00	104.93	CO
Average of Peak Amounts =					0.48143				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:26

Client ID: 1248-CAL3D

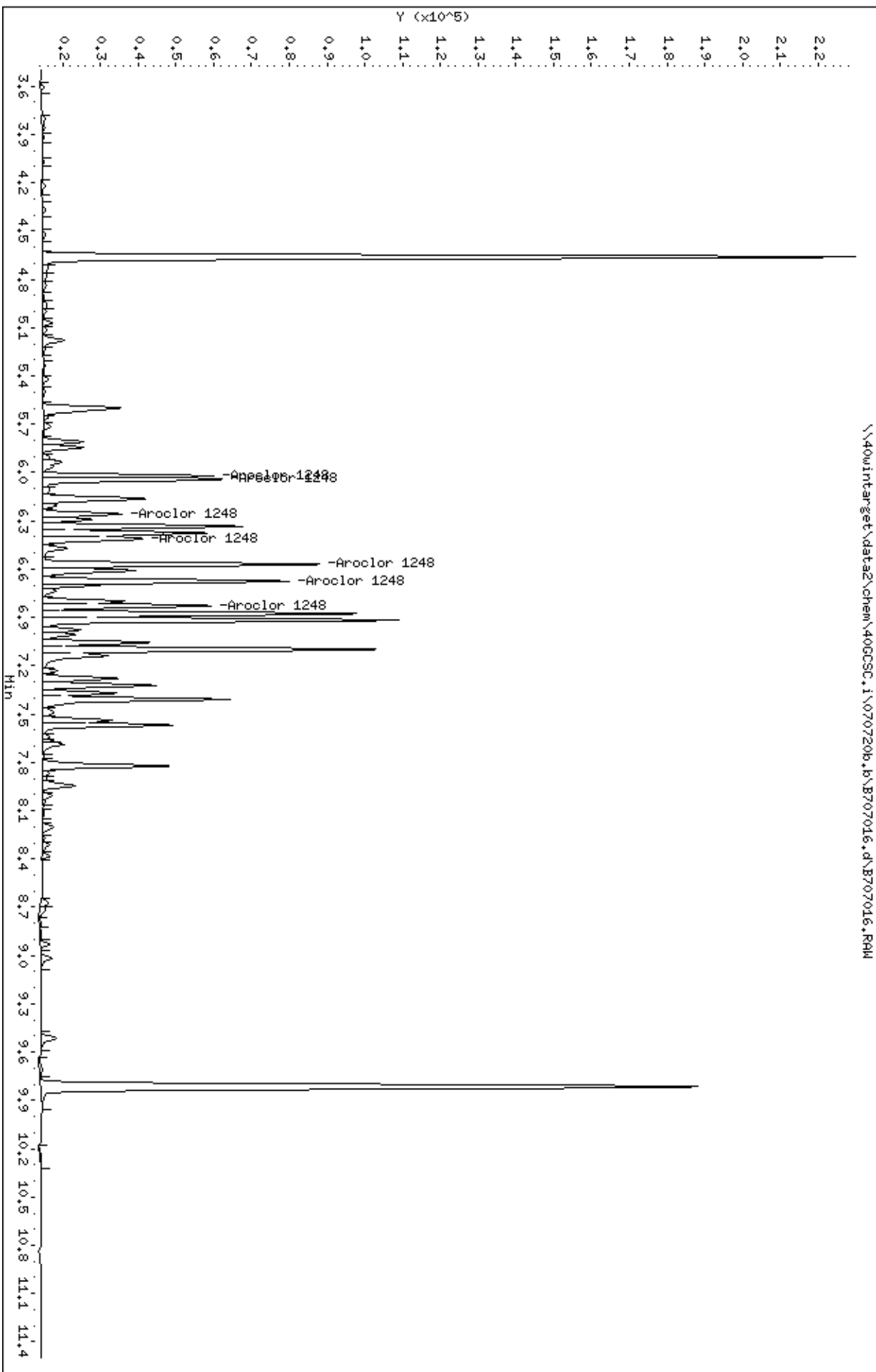
Sample Info: 1248-CAL3D,254114:1

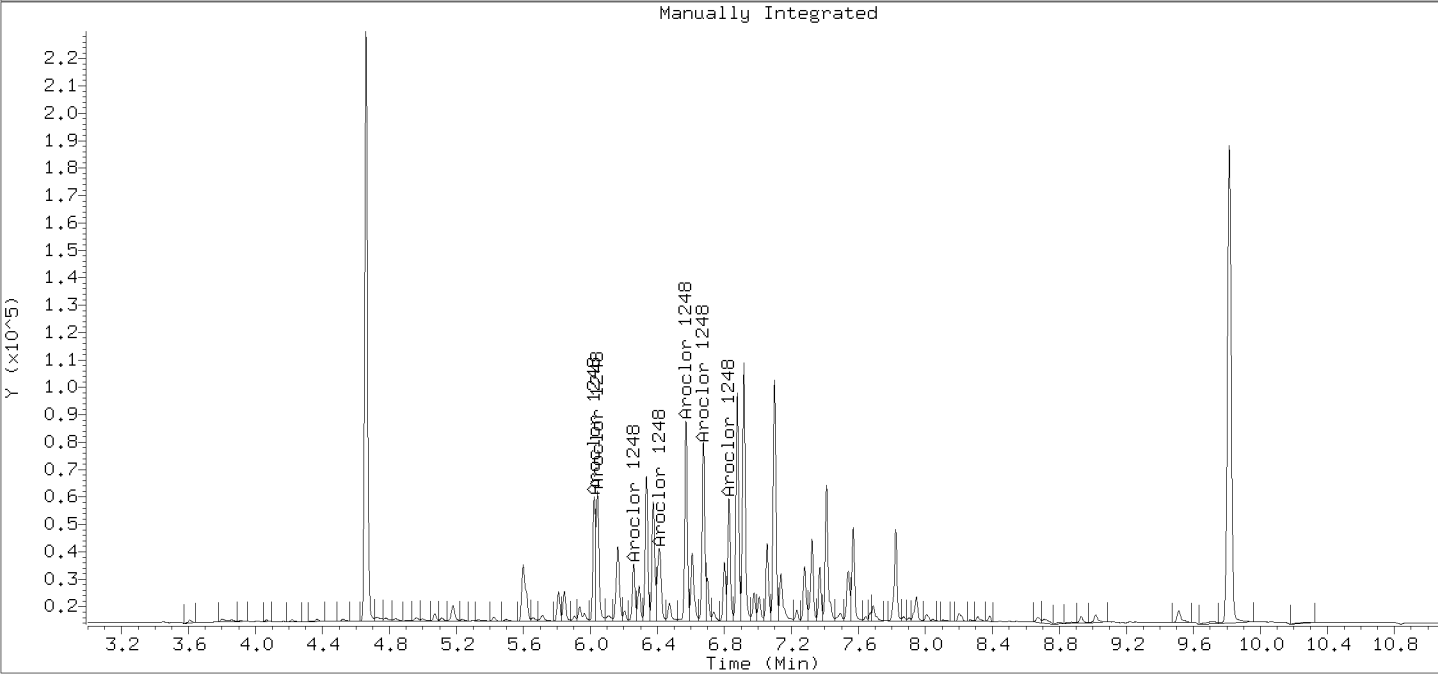
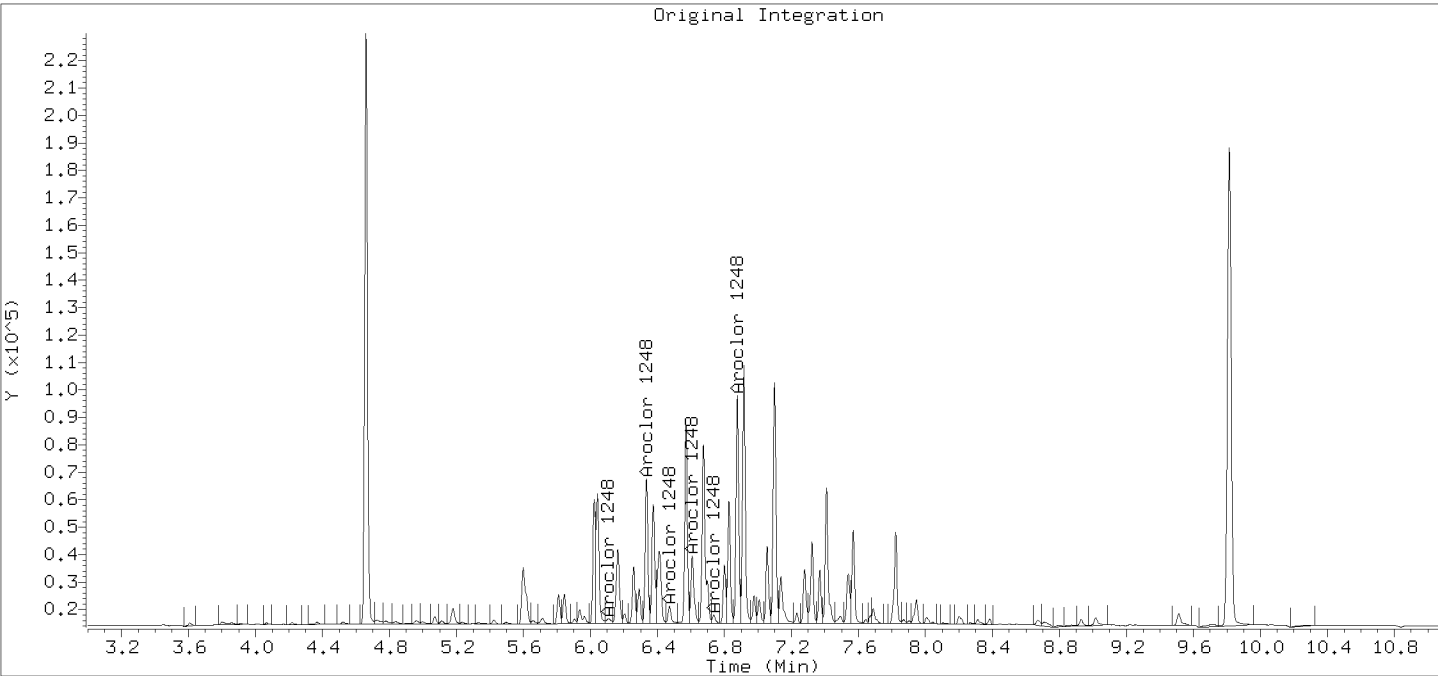
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO
Aroclor 1248	3478	48620	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707017.d
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 07-JUL-2020 17:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal4d,254115:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	2539	1728	0.681	0.06		
3.883	1107	626	0.565	0.03		
4.132	743	425	0.572	0.02		
4.660	2092	1502	0.718	0.05		
4.725	585047	412308	0.705	16.48		
4.908	3715	1365	0.367	0.10		
5.015	1049	354	0.338	0.02		
5.077	2370	1455	0.614	0.06		
5.125	12019	7264	0.604	0.33		
5.172	8288	4801	0.579	0.22		
5.225	1628	975	0.599	0.04		
5.268	3594	2200	0.612	0.09		
5.510	67839	35205	0.519	1.86		
5.638	4206	2743	0.652	0.11		
5.703	17722	14768	0.833	0.48		
5.730	24986	16276	0.651	0.68		
5.878	2669	2377	0.891	0.07		
5.907	14048	7668	0.546	0.38		
5.962	78511	64334	0.819	2.16	12 Aroclor 1248	CO
5.983	105773	70766	0.669	2.91	12 Aroclor 1248	CO
6.037	23092	15650	0.678	0.63		
6.077	7344	5685	0.774	0.20		
6.110	46255	35832	0.775	1.27		
6.135	29228	22601	0.773	0.80		
6.170	43980	29495	0.671	1.21	12 Aroclor 1248	CO
6.273	196400	82966	0.422	5.40		
6.333	71553	47195	0.660	1.96	12 Aroclor 1248	CO
6.398	576	368	0.639	0.01		
6.478	139371	114734	0.823	3.83	12 Aroclor 1248	CO
6.503	50352	41107	0.816	1.38		
6.553	91092	76127	0.836	2.50	12 Aroclor 1248	CO
6.587	81617	52376	0.642	2.24		
6.682	38495	28493	0.740	1.05		
6.728	9398	7538	0.802	0.25		
6.763	82835	63798	0.770	2.27	12 Aroclor 1248	CO
6.800	54033	43525	0.806	1.48		
6.833	157418	130263	0.827	4.33		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.858	171194	122465	0.715	4.71	
6.923	5508	3355	0.609	0.15	
6.977	14384	12069	0.839	0.39	
6.997	134632	90711	0.674	3.70	
7.020	145182	81171	0.559	3.99	
7.105	5206	3285	0.631	0.14	
7.153	7667	6467	0.843	0.21	
7.193	43248	33219	0.768	1.18	
7.227	55115	46244	0.839	1.51	
7.263	36831	29575	0.803	1.01	
7.320	87795	70182	0.799	2.41	
7.415	38651	23679	0.613	1.06	
7.453	12565	8616	0.686	0.34	
7.488	11346	6992	0.616	0.31	
7.523	62263	46805	0.752	1.71	
7.572	8462	6094	0.720	0.23	
7.608	2529	2047	0.810	0.06	
7.648	19395	9767	0.504	0.53	
7.732	66672	49271	0.739	1.83	
7.818	2134	1751	0.821	0.05	
7.858	21481	14791	0.689	0.59	
7.928	5485	3740	0.682	0.15	
7.965	1662	1418	0.853	0.04	
8.002	665	359	0.540	0.01	
8.032	763	582	0.762	0.02	
8.067	6033	4616	0.765	0.16	
8.108	3254	2666	0.819	0.08	
8.140	1437	1163	0.809	0.03	
8.173	1029	637	0.619	0.02	
8.238	3302	2325	0.704	0.09	
8.285	1432	888	0.620	0.03	
8.327	6580	4841	0.736	0.18	
8.568	5280	2422	0.459	0.14	
8.608	3027	1793	0.592	0.08	
8.695	1143	419	0.367	0.03	
8.765	4642	3677	0.792	0.12	
8.835	6697	4472	0.668	0.18	
9.067	2316	1663	0.718	0.06	
9.158	514	190	0.370	0.01	
9.345	10550	6946	0.658	0.29	
9.545	550026	351396	0.639	15.13	
9.815	1877	1148	0.612	0.05	
10.098	550	253	0.460	0.01	
10.302	586	214	0.365	0.01	
11.047	521	175	0.336	0.01	
	3634617	2513452		100.000	

Total unknown % area = 83

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707017.d
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 07-JUL-2020 17:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal4d,254115:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
5.961	5.961	0.000	78510	0.80000	0.80	0.00- 20.00	100.00 (M)	CO	
5.983	5.982	0.001	105772	0.80000	0.76	0.00- 20.00	134.72	CO	
6.170	6.170	0.000	43980	0.80000	0.75	0.00- 20.00	56.02	CO	
6.333	6.332	0.001	71553	0.80000	0.73	0.00- 20.00	91.14	CO	
6.478	6.478	0.000	139370	0.80000	0.76	0.00- 20.00	177.52	CO	
6.553	6.553	0.000	91092	0.80000	0.77	0.00- 20.00	116.03	CO	
6.763	6.763	0.000	82835	0.80000	0.78	0.00- 20.00	105.51	CO	
Average of Peak Amounts =					0.76429				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:44

Client ID: 1248-CAL4D

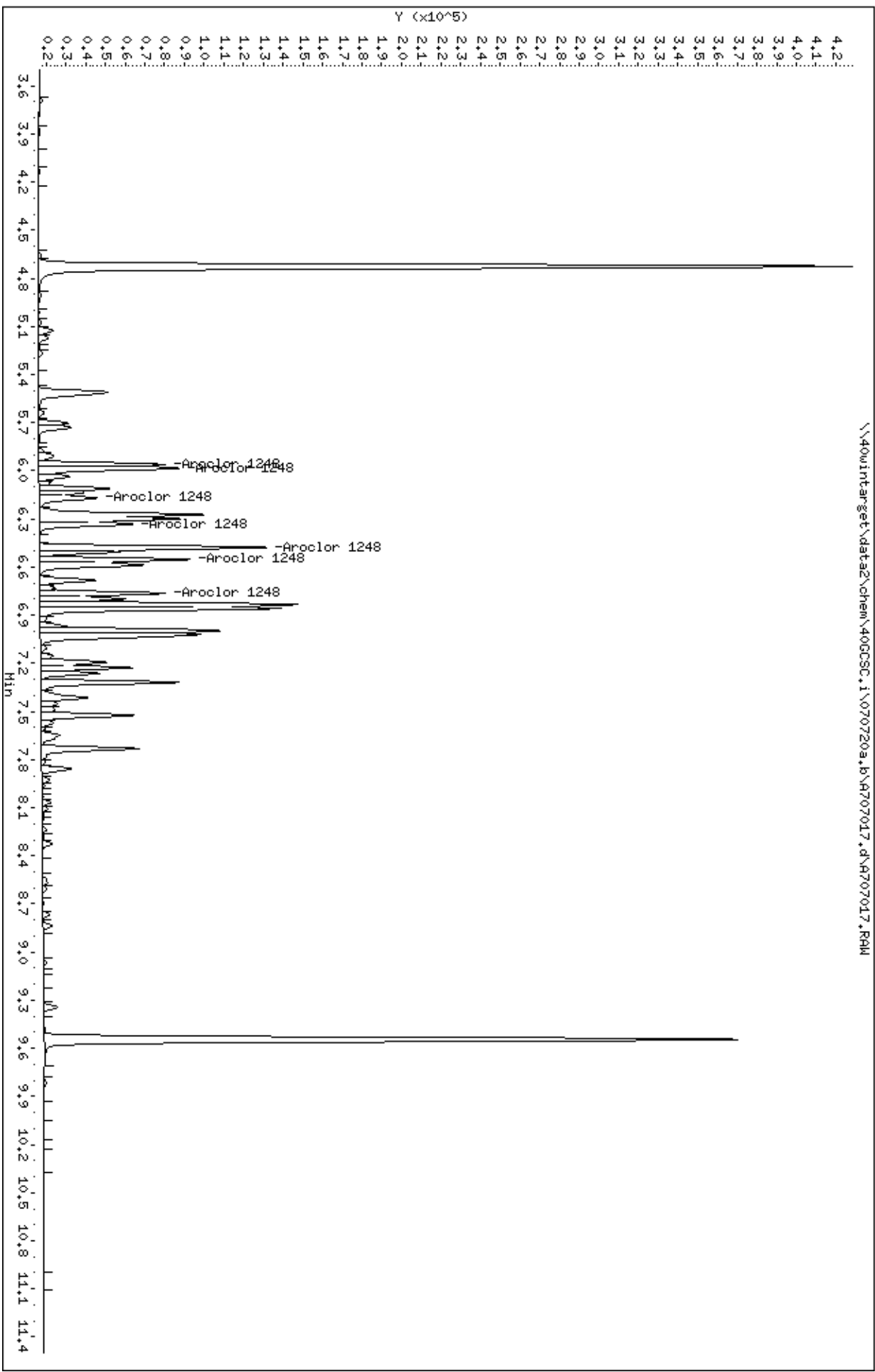
Sample Info: 1248-CAL4D,254115;1

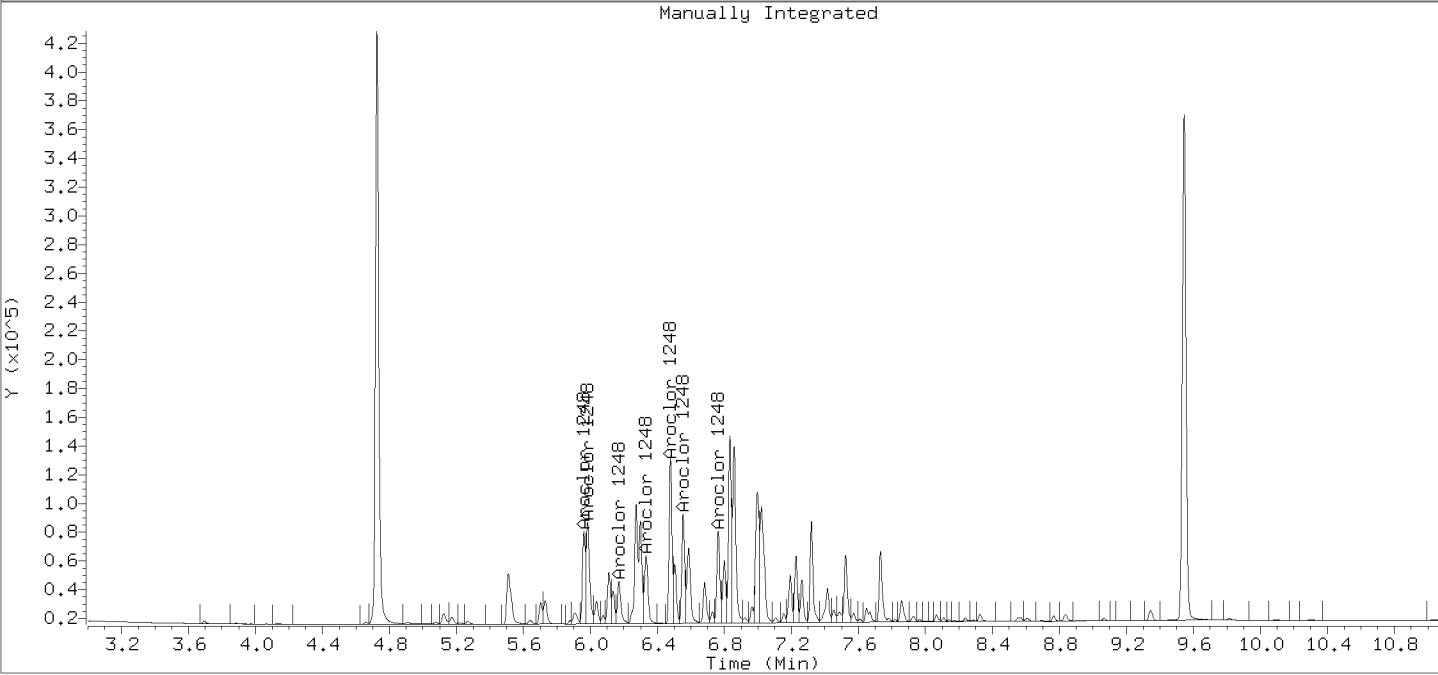
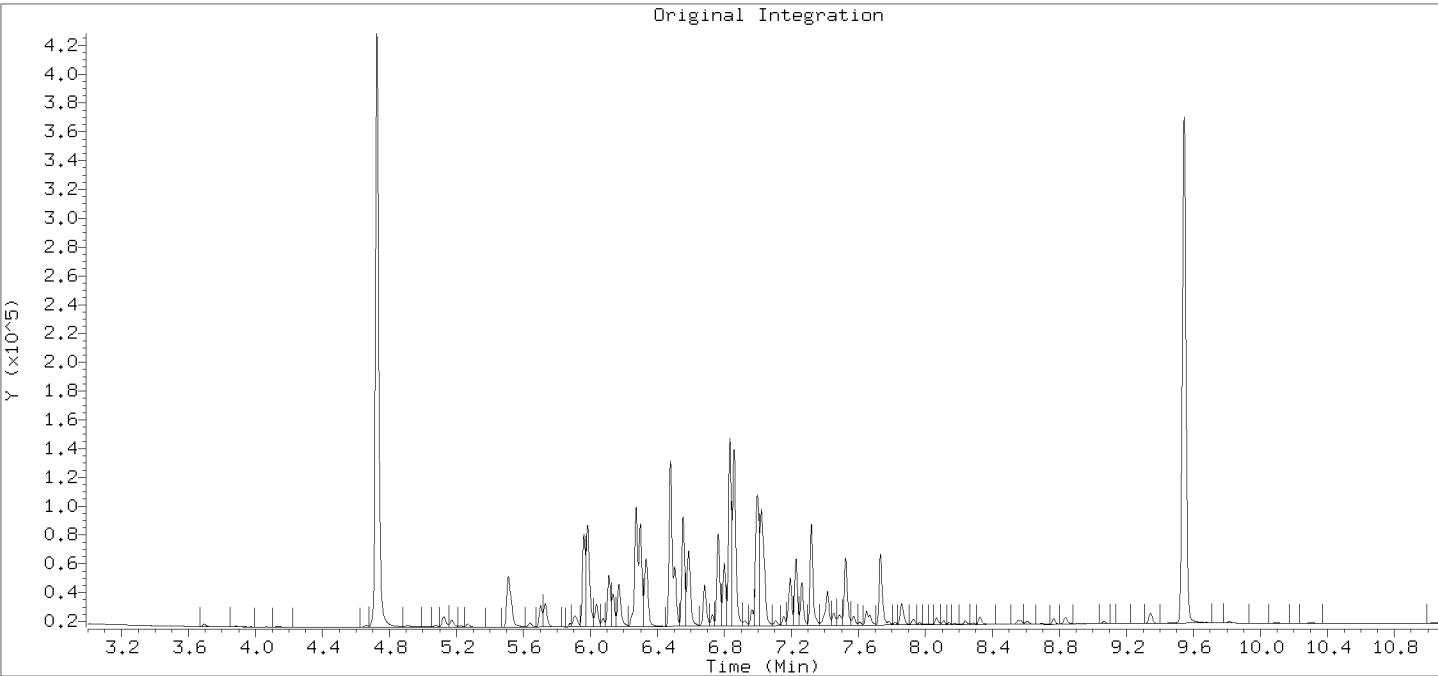
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO
Aroclor 1248	0	78510	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707017.d
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 07-JUL-2020 17:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal4d,254115:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	2249	1990	0.885	0.06		
3.793	1018	875	0.859	0.03		
3.858	461	362	0.786	0.01		
4.660	507834	427779	0.842	15.38		
4.725	4743	1960	0.413	0.14		
4.960	1937	1388	0.717	0.05		
5.070	6139	4915	0.801	0.18		
5.113	2155	1632	0.757	0.06		
5.180	11569	8209	0.710	0.35		
5.235	1409	1074	0.762	0.04		
5.423	2661	2185	0.821	0.08		
5.598	57194	33536	0.586	1.73		
5.660	1676	1095	0.653	0.05		
5.713	4727	3081	0.652	0.14		
5.808	18662	15966	0.856	0.56		
5.845	20483	16506	0.806	0.62		
5.905	3214	2827	0.880	0.09		
5.935	14118	7795	0.552	0.42		
5.992	113	578	5.097	0.00		
6.022	76417	69318	0.907	2.31	12 Aroclor 1248	CO
6.042	93325	74851	0.802	2.82	12 Aroclor 1248	CO
6.163	58088	41564	0.716	1.75		
6.205	6969	5474	0.785	0.21		
6.258	36745	32499	0.884	1.11	12 Aroclor 1248	CO
6.290	23744	19637	0.827	0.71		
6.335	91605	81960	0.895	2.77		
6.375	81116	67914	0.837	2.45		
6.410	66866	40307	0.603	2.02	12 Aroclor 1248	CO
6.475	4557	2149	0.472	0.13		
6.570	124245	113082	0.910	3.76	12 Aroclor 1248	CO
6.607	51259	38601	0.753	1.55		
6.673	119804	102066	0.852	3.62	12 Aroclor 1248	CO
6.697	25251	24704	0.978	0.76		
6.737	7560	5059	0.669	0.22		
6.800	36564	33327	0.911	1.10		
6.827	77422	69374	0.896	2.34	12 Aroclor 1248	CO
6.877	144360	132468	0.918	4.37		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.917	169479	147133	0.868	5.13	
6.977	18130	15107	0.833	0.54	
7.008	15780	13016	0.825	0.47	
7.055	49985	43270	0.866	1.51	
7.098	163901	136937	0.835	4.96	
7.137	40260	27397	0.681	1.21	
7.232	8286	6776	0.818	0.25	
7.278	37071	31035	0.837	1.12	
7.323	54276	46703	0.860	1.64	
7.368	33598	31200	0.929	1.01	
7.410	91797	75840	0.826	2.78	
7.492	8421	4421	0.525	0.25	
7.538	37885	28724	0.758	1.14	
7.568	61608	52880	0.858	1.86	
7.647	3780	2899	0.767	0.11	
7.668	5649	5342	0.946	0.17	
7.688	14009	8916	0.636	0.42	
7.822	62947	51619	0.820	1.90	
7.870	3270	2456	0.751	0.09	
7.902	2298	1904	0.828	0.06	
7.947	19912	13493	0.678	0.60	
8.005	5589	3011	0.539	0.16	
8.043	2282	1500	0.657	0.06	
8.105	1839	833	0.453	0.05	
8.200	7496	4528	0.604	0.22	
8.268	1608	1088	0.677	0.04	
8.313	4185	2797	0.668	0.12	
8.387	6004	4646	0.774	0.18	
8.670	4158	2384	0.573	0.12	
8.708	2619	1384	0.529	0.07	
8.872	1176	382	0.325	0.03	
8.930	4688	3419	0.729	0.14	
9.018	6767	4146	0.613	0.20	
9.173	1861	1556	0.836	0.05	
9.513	11375	6550	0.576	0.34	
9.815	549400	348426	0.634	17.01	
	3301646	2621825		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707017.d
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 07-JUL-2020 17:44
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal4d,254115:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
6.021	6.022	-0.001	76416	0.80000	0.75	0.00-	20.00	100.00 (M)	CO
6.041	6.041	0.000	93325	0.80000	0.75	0.00-	20.00	122.13	CO
6.258	6.258	0.000	36745	0.80000	0.74	0.00-	20.00	48.09	CO
6.410	6.410	0.000	66866	0.80000	0.72	0.00-	20.00	87.50	CO
6.570	6.570	0.000	124244	0.80000	0.74	0.00-	20.00	162.59	CO
6.673	6.674	-0.001	119804	0.80000	0.76	0.00-	20.00	156.78	CO
6.826	6.827	-0.001	77422	0.80000	0.74	0.00-	20.00	101.32	CO
Average of Peak Amounts =					0.74286				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 17:44

Client ID: 1248-CAL4D

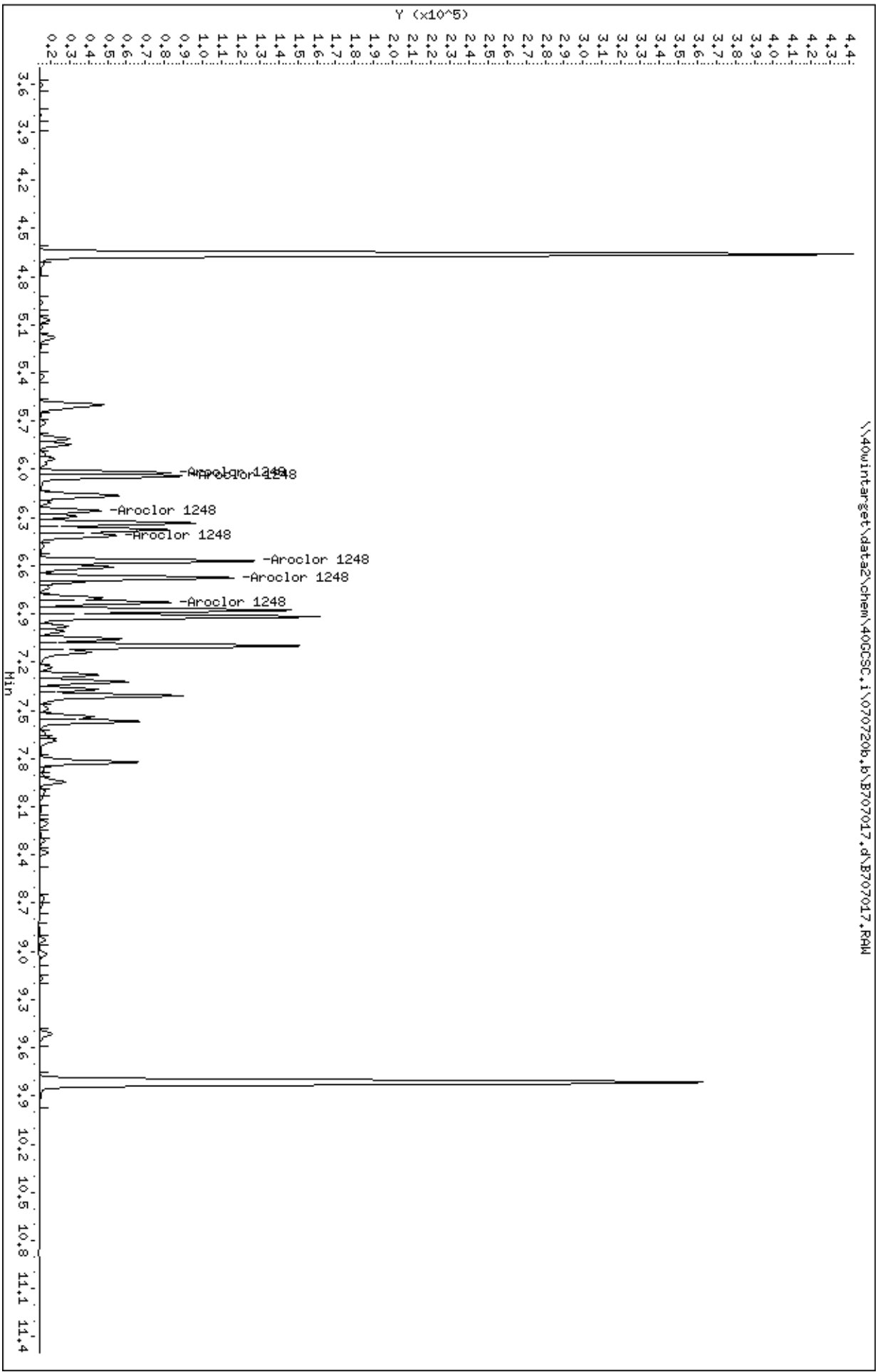
Sample Info: 1248-CAL4D.254115;1

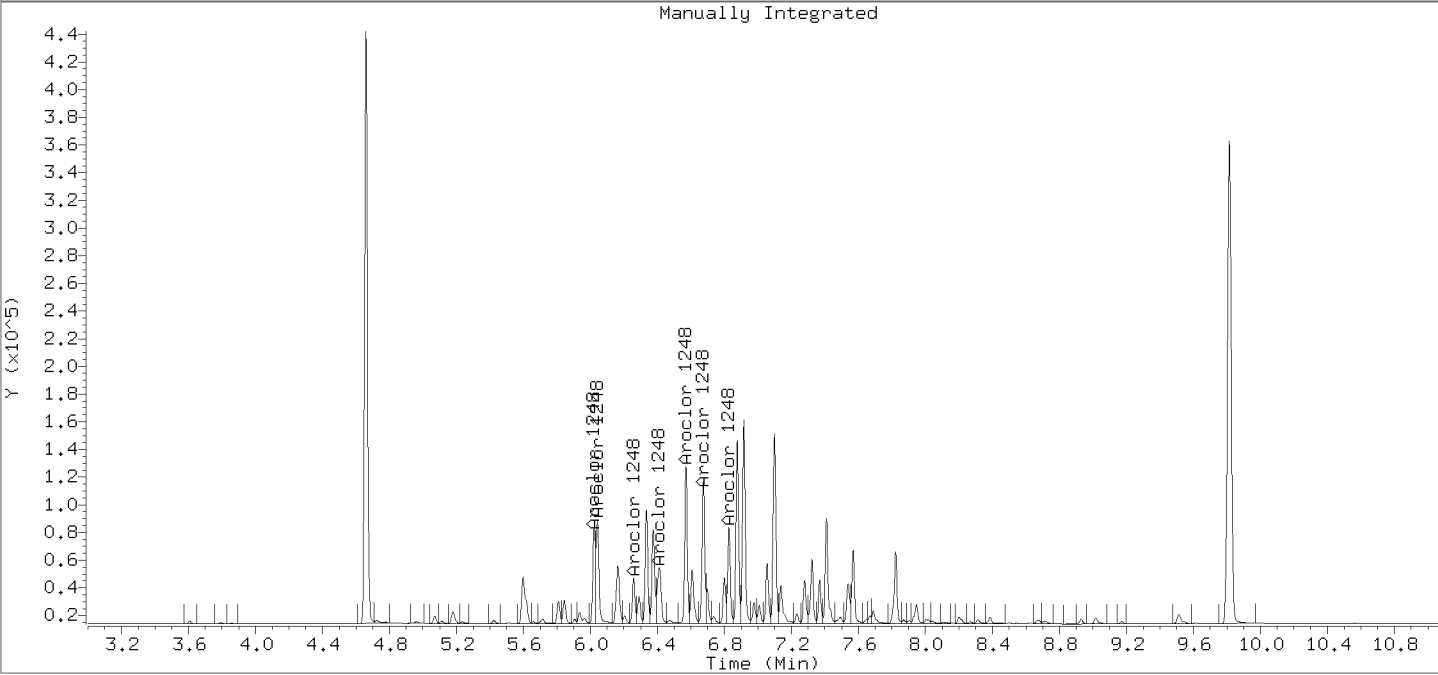
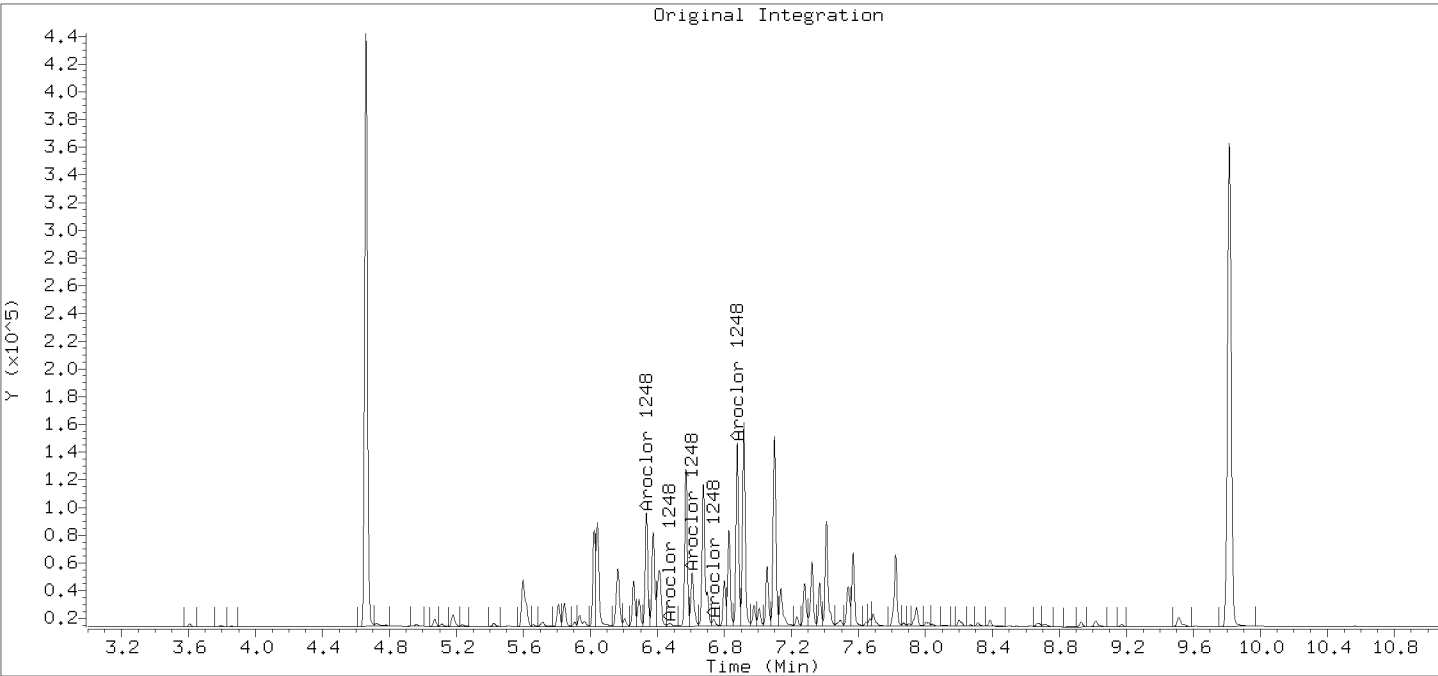
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO
Aroclor 1248	0	76416	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707018.d
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 07-JUL-2020 18:03
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal5d,254116:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	3939	2657	0.675	0.07		
3.882	1652	972	0.588	0.03		
4.130	719	427	0.594	0.01		
4.660	3102	2224	0.717	0.06		
4.725	897476	645214	0.719	18.51		
4.907	4566	1833	0.401	0.09		
5.010	1784	509	0.285	0.03		
5.075	3040	1854	0.610	0.06		
5.123	15262	9323	0.611	0.30		
5.172	12345	7208	0.584	0.24		
5.225	2463	1476	0.599	0.04		
5.267	4787	2777	0.580	0.09		
5.510	86083	44106	0.512	1.73		
5.638	5489	3550	0.647	0.11		
5.703	23110	18933	0.819	0.46		
5.730	31428	21350	0.679	0.63		
5.877	4185	3646	0.871	0.08		
5.907	17973	9974	0.555	0.36		
5.960	103838	84377	0.813	2.09	12 Aroclor 1248	CO
5.983	133379	92686	0.695	2.69	12 Aroclor 1248	CO
6.035	28563	19393	0.679	0.57		
6.075	9208	7127	0.774	0.18		
6.110	59781	45504	0.761	1.20		
6.135	35595	28748	0.808	0.71		
6.170	56606	37556	0.663	1.14	12 Aroclor 1248	CO
6.272	137490	107130	0.779	2.77		
6.297	116492	90730	0.779	2.35		
6.332	92320	60001	0.650	1.86	12 Aroclor 1248	CO
6.407	710	447	0.630	0.01		
6.477	179660	145762	0.811	3.62	12 Aroclor 1248	CO
6.503	61721	51668	0.837	1.24		
6.553	118502	97394	0.822	2.39	12 Aroclor 1248	CO
6.587	103175	65587	0.636	2.08		
6.682	49144	36056	0.734	0.99		
6.727	12107	9560	0.790	0.24		
6.763	106625	82793	0.776	2.15	12 Aroclor 1248	CO
6.800	67750	55018	0.812	1.36		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.832	202355	168363	0.832	4.08	
6.857	215605	155635	0.722	4.35	
6.922	6898	4300	0.623	0.13	
6.963	14519	13801	0.951	0.29	
6.997	346777	117025	0.337	6.99	
7.107	6647	4257	0.640	0.13	
7.155	9916	8272	0.834	0.20	
7.193	55475	43582	0.786	1.11	
7.227	71256	60444	0.848	1.43	
7.262	47482	38966	0.821	0.95	
7.320	117364	96763	0.824	2.36	
7.415	48241	30389	0.630	0.97	
7.453	14779	10721	0.725	0.29	
7.487	13589	8611	0.634	0.27	
7.523	81006	63176	0.780	1.63	
7.572	10179	7515	0.738	0.20	
7.608	3091	2536	0.820	0.06	
7.648	14011	12223	0.872	0.28	
7.668	11338	8932	0.788	0.22	
7.732	81971	64022	0.781	1.65	
7.782	4009	3100	0.773	0.08	
7.818	2764	2247	0.813	0.05	
7.858	27217	18324	0.673	0.54	
7.928	7180	4739	0.660	0.14	
7.965	3368	1872	0.556	0.06	
8.065	8056	5890	0.731	0.16	
8.108	4315	3400	0.788	0.08	
8.142	2024	1581	0.781	0.04	
8.238	4218	2920	0.692	0.08	
8.285	1742	1096	0.629	0.03	
8.327	8499	6147	0.723	0.17	
8.568	5894	2724	0.462	0.11	
8.607	3052	2043	0.669	0.06	
8.697	818	289	0.353	0.01	
8.765	5394	4345	0.806	0.10	
8.835	7218	4836	0.670	0.14	
9.067	3006	2087	0.694	0.06	
9.343	13796	9057	0.656	0.27	
9.543	871183	543505	0.624	17.58	
9.815	4000	1926	0.481	0.08	
10.097	808	385	0.476	0.01	
10.300	596	205	0.344	0.01	
11.048	521	151	0.290	0.01	
	4954244	3437972		100.000	

Total unknown % area = 84

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707018.d
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 07-JUL-2020 18:03
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal5d,254116:1
Misc Info : 21329,NSAR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
5.960	5.961	-0.001	103837	1.00000	1.0	0.00-	20.00	100.00 (M)	CO
5.983	5.982	0.001	133378	1.00000	0.96	0.00-	20.00	128.45	CO
6.170	6.170	0.000	56605	1.00000	0.96	0.00-	20.00	54.51	CO
6.331	6.332	-0.001	92320	1.00000	0.95	0.00-	20.00	88.91	CO
6.476	6.478	-0.002	179660	1.00000	0.98	0.00-	20.00	173.02	CO
6.553	6.553	0.000	118501	1.00000	1.0	0.00-	20.00	114.12	CO
6.763	6.763	0.000	106624	1.00000	1.00	0.00-	20.00	102.68	CO
Average of Peak Amounts =					0.97857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 18:03

Client ID: 1248-CALSD

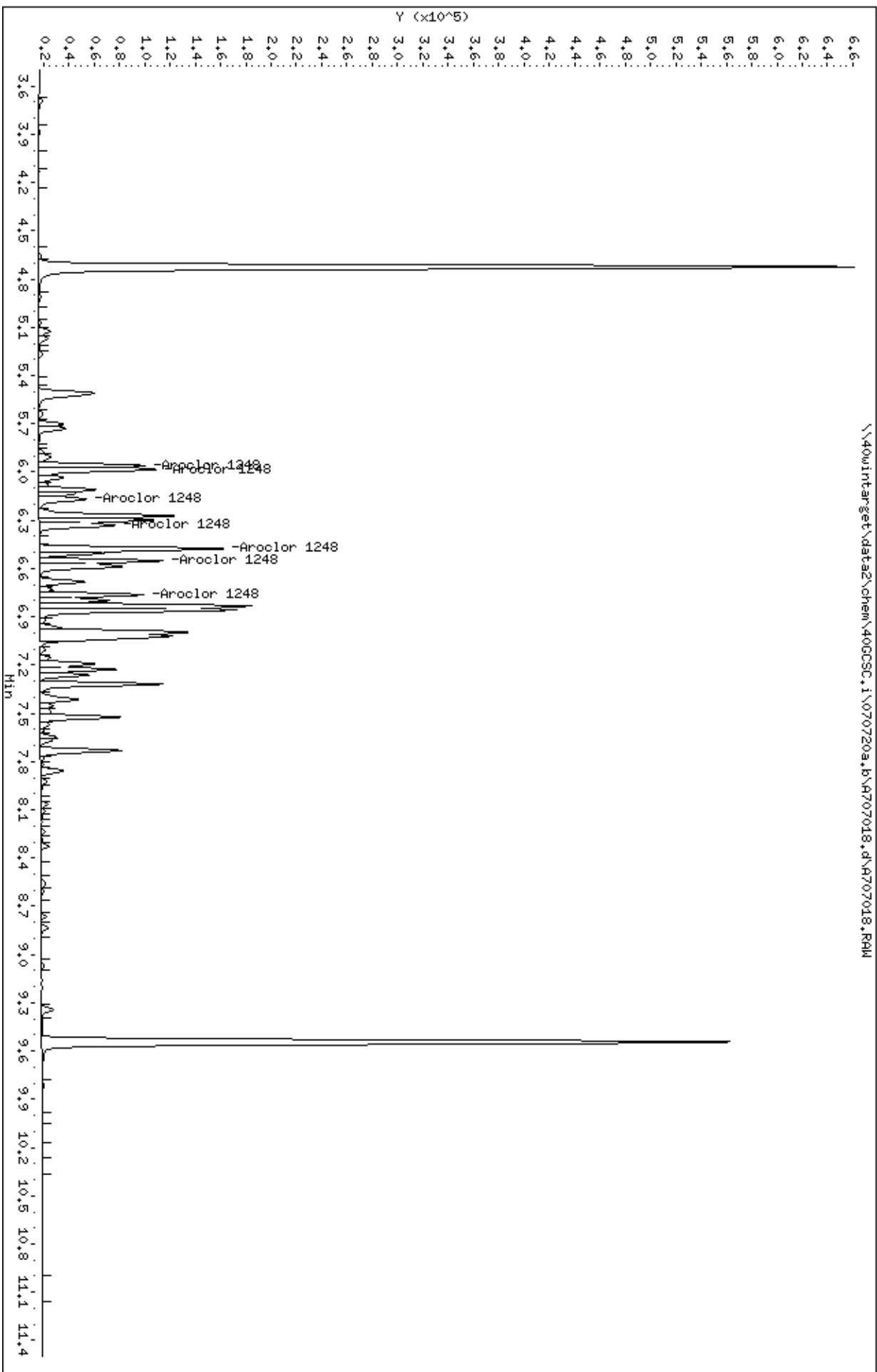
Sample Info: 1248-CALSD,254116:1

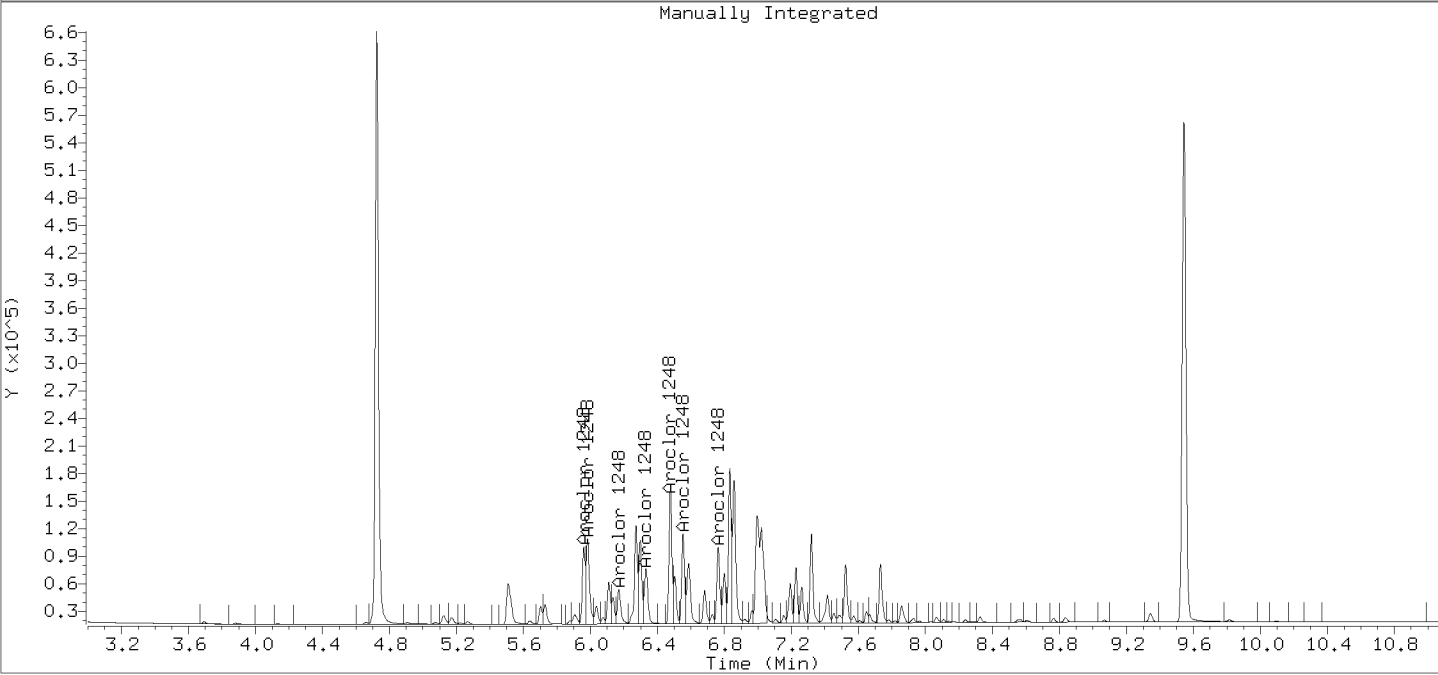
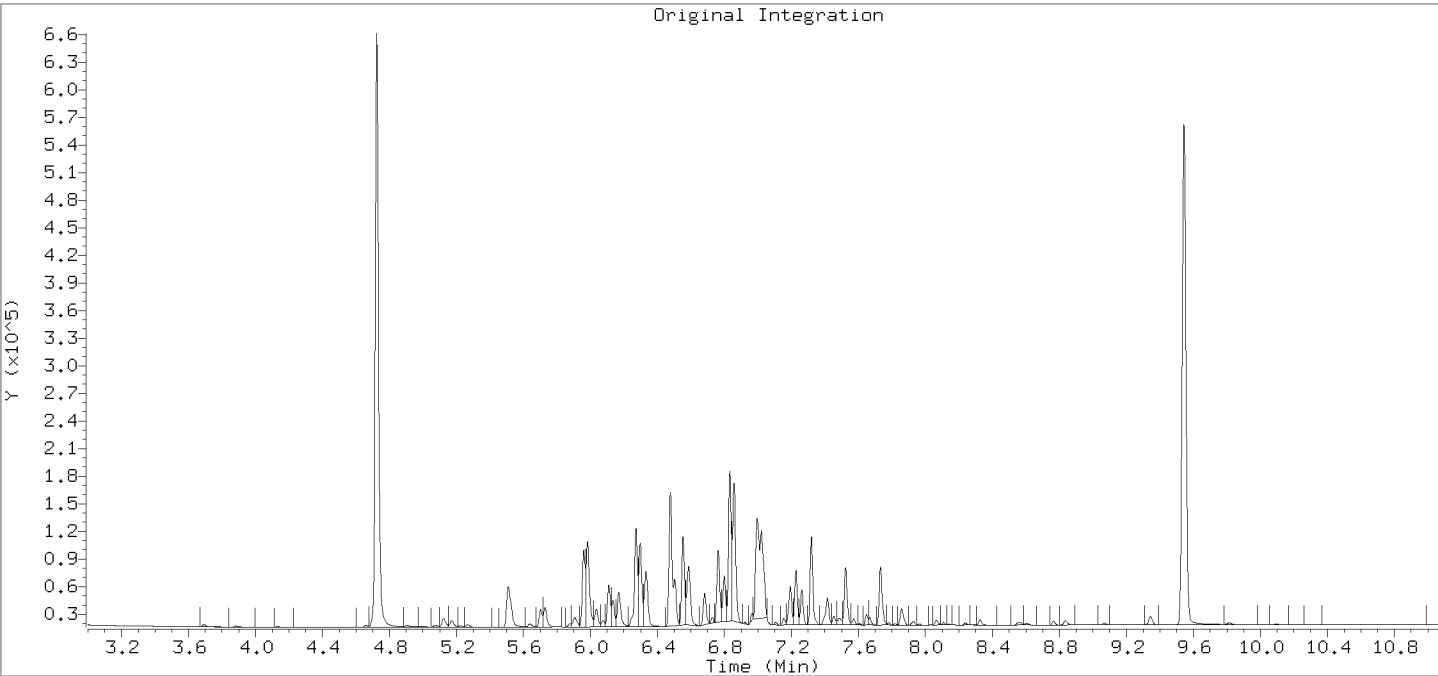
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO
Aroclor 1248	0	103837	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707018.d
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 07-JUL-2020 18:03
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal5d,254116:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	3324	2995	0.901	0.07		
3.793	1492	1278	0.857	0.03		
3.858	496	373	0.752	0.01		
4.660	765507	641442	0.838	17.06		
4.723	6161	3175	0.515	0.13		
4.778	1870	1189	0.636	0.04		
4.960	2530	1782	0.704	0.05		
5.070	9468	7611	0.804	0.21		
5.112	2850	2123	0.745	0.06		
5.178	14761	10552	0.715	0.32		
5.233	2159	1615	0.748	0.04		
5.423	3411	2792	0.819	0.07		
5.597	74753	42144	0.564	1.66		
5.713	6038	3917	0.649	0.13		
5.808	23851	20681	0.867	0.53		
5.843	25876	20867	0.806	0.57		
5.905	4792	4247	0.886	0.10		
5.935	11895	10005	0.841	0.26		
5.963	6425	4717	0.734	0.14		
6.022	100167	91171	0.910	2.23	12 Aroclor 1248	CO
6.042	117328	96435	0.822	2.61	12 Aroclor 1248	CO
6.163	74127	53679	0.724	1.65		
6.205	8670	6833	0.788	0.19		
6.258	47061	41755	0.887	1.04	12 Aroclor 1248	CO
6.290	30268	25879	0.855	0.67		
6.333	116041	103859	0.895	2.58		
6.375	102471	86921	0.848	2.28		
6.410	87132	52022	0.597	1.94	12 Aroclor 1248	CO
6.475	3637	1366	0.376	0.08		
6.570	158161	143186	0.905	3.52	12 Aroclor 1248	CO
6.608	65366	48944	0.749	1.45		
6.675	153903	134270	0.872	3.43	12 Aroclor 1248	CO
6.697	32249	31704	0.983	0.71		
6.735	9287	6324	0.681	0.20		
6.800	46764	42560	0.910	1.04		
6.827	99069	88342	0.892	2.20	12 Aroclor 1248	CO
6.877	185242	168174	0.908	4.12		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.915	217348	187178	0.861	4.84	
6.977	22692	19020	0.838	0.50	
7.008	19699	16420	0.834	0.43	
7.055	63542	55170	0.868	1.41	
7.098	211717	178406	0.843	4.71	
7.137	50657	34143	0.674	1.12	
7.233	10339	8741	0.845	0.23	
7.278	47032	39161	0.833	1.04	
7.323	69541	59387	0.854	1.55	
7.368	42850	39369	0.919	0.95	
7.408	117869	98795	0.838	2.62	
7.492	10334	5337	0.516	0.23	
7.540	48191	36547	0.758	1.07	
7.568	78809	68127	0.864	1.75	
7.647	4630	3607	0.779	0.10	
7.668	7220	6911	0.957	0.16	
7.690	17285	10925	0.632	0.38	
7.823	80276	66770	0.832	1.78	
7.870	3904	2992	0.766	0.08	
7.903	2714	2278	0.839	0.06	
7.947	24735	16722	0.676	0.55	
8.005	6586	3614	0.549	0.14	
8.043	2574	1860	0.723	0.05	
8.105	2075	990	0.477	0.04	
8.202	9388	5704	0.608	0.20	
8.268	1833	1332	0.727	0.04	
8.313	5013	3486	0.695	0.11	
8.387	7460	5788	0.776	0.16	
8.502	450	337	0.748	0.01	
8.625	503	310	0.616	0.01	
8.672	6004	3209	0.535	0.13	
8.708	5584	2036	0.365	0.12	
8.870	1086	370	0.341	0.02	
8.930	5664	4029	0.711	0.12	
9.018	7240	4510	0.623	0.16	
9.173	2393	1957	0.818	0.05	
9.513	15232	8366	0.549	0.33	
9.612	749	304	0.406	0.01	
9.815	849273	535371	0.630	19.31	
10.563	647	330	0.510	0.01	
	4485739	3546838		100.000	

Total unknown % area = 83

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707018.d
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 07-JUL-2020 18:03
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-cal5d,254116:1
Misc Info : 21329,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====		=====	=====
12 Aroclor 1248					CAS #: 12672-29-6				
6.021	6.022	-0.001	100166	1.00000	0.98	0.00-	20.00	100.00 (M)	CO
6.041	6.041	0.000	117328	1.00000	0.95	0.00-	20.00	117.13	CO
6.258	6.258	0.000	47060	1.00000	0.95	0.00-	20.00	46.98	CO
6.410	6.410	0.000	87131	1.00000	0.94	0.00-	20.00	86.99	CO
6.570	6.570	0.000	158161	1.00000	0.95	0.00-	20.00	157.90	CO
6.675	6.674	0.001	153902	1.00000	0.98	0.00-	20.00	153.65	CO
6.826	6.827	-0.001	99069	1.00000	0.95	0.00-	20.00	98.90	CO
Average of Peak Amounts =					0.95714				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 18:03

Client ID: 1248-CALSD

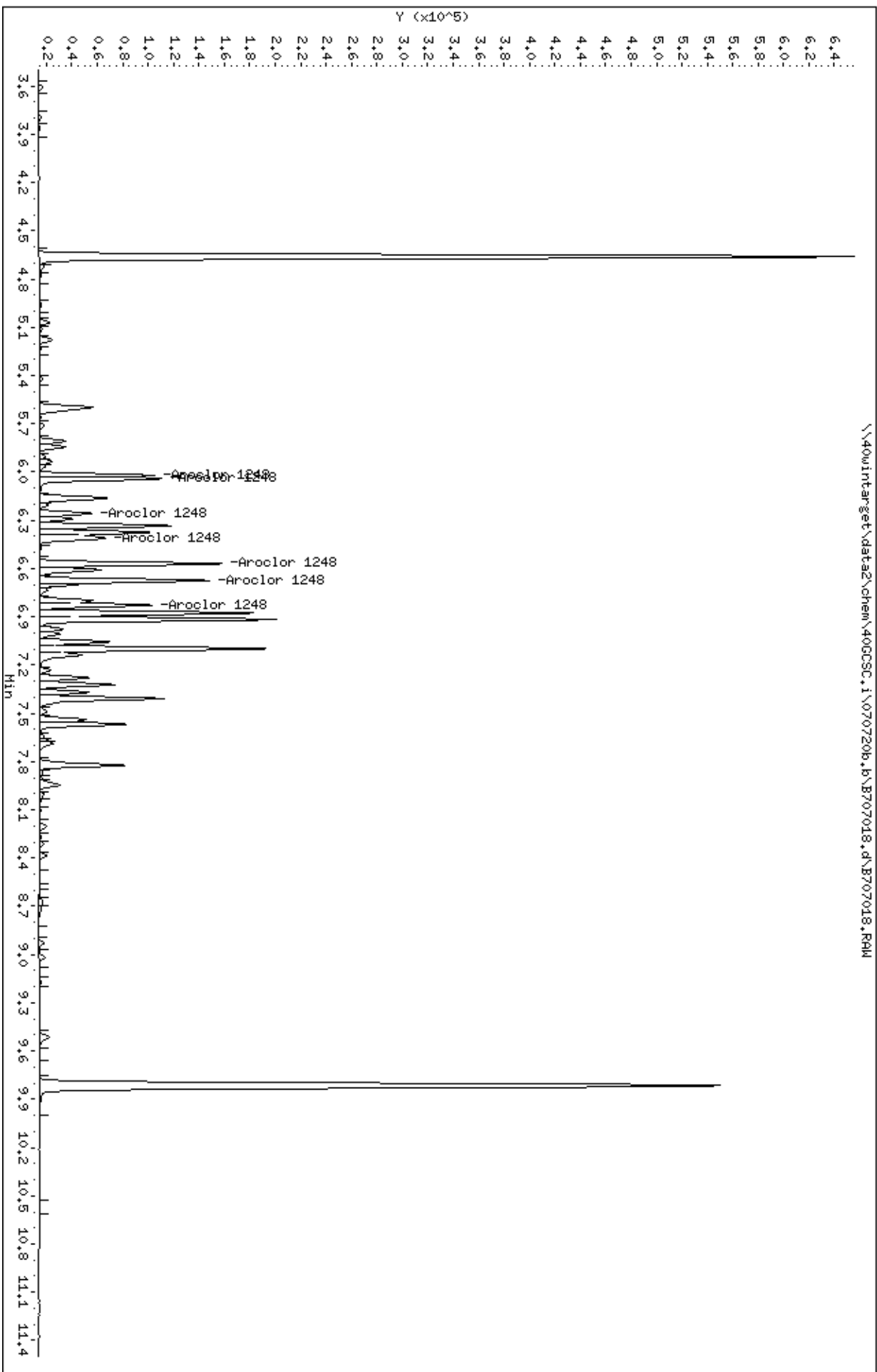
Sample Info: 1248-CALSD,254116:1

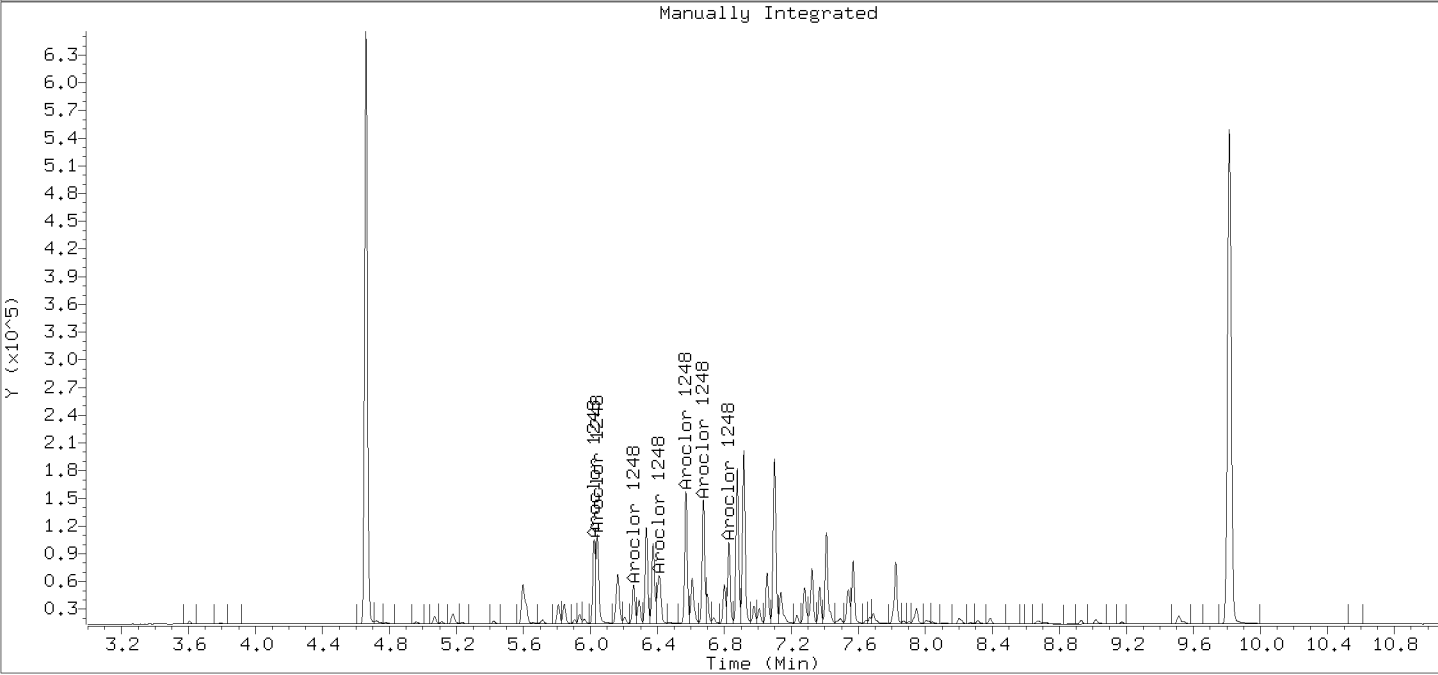
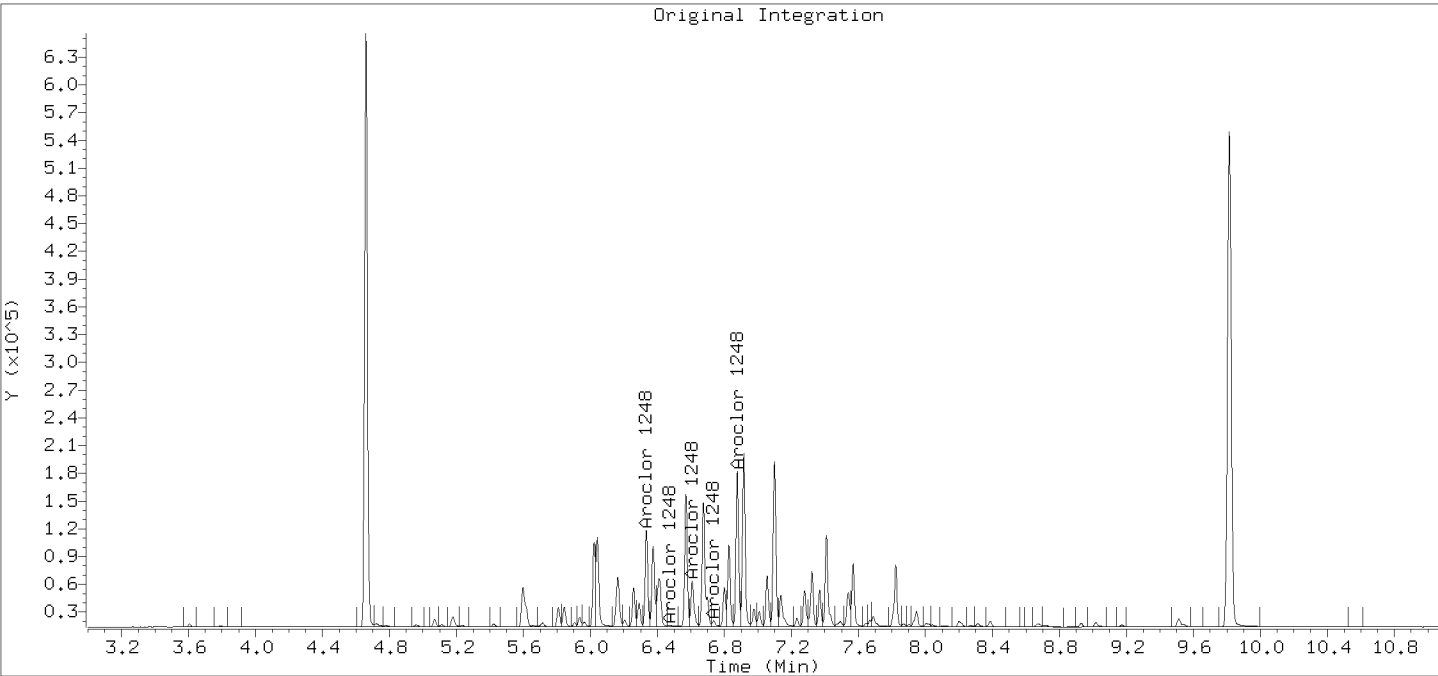
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO
Aroclor 1248	0	100166	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707020.d
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 07-JUL-2020 18:39
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-callc,254118:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.727	57412	36029	0.628	17.45		
5.172	678	348	0.513	0.20		
6.275	8342	4567	0.547	2.53		
6.480	3843	2741	0.713	1.16		
6.557	1562	911	0.583	0.47		
6.767	1153	939	0.815	0.35		
6.802	10562	8621	0.816	3.21		
6.837	10202	4417	0.433	3.10		
6.967	2586	2298	0.889	0.78		
7.005	17600	12867	0.731	5.35		
7.038	7480	5222	0.698	2.27		
7.157	813	741	0.912	0.24		
7.195	5698	4519	0.793	1.73	16 Aroclor 1254	CO
7.228	10805	8868	0.821	3.28	16 Aroclor 1254	CO
7.263	3594	2850	0.793	1.09		
7.322	18174	14833	0.816	5.52	16 Aroclor 1254	CO
7.345	2017	2215	1.098	0.61		
7.417	5087	2277	0.448	1.54		
7.453	8616	5841	0.678	2.61		
7.525	14447	10515	0.728	4.39	16 Aroclor 1254	CO
7.568	1487	1112	0.748	0.45		
7.610	1557	1431	0.919	0.47		
7.650	13565	7221	0.532	4.12		
7.707	5	33	6.055	0.00		
7.735	10531	6282	0.597	3.20	16 Aroclor 1254	CO
7.783	1649	1369	0.830	0.50		
7.820	1266	1154	0.912	0.38		
7.858	18905	12998	0.688	5.74	16 Aroclor 1254	CO
7.923	2433	1587	0.652	0.73		
7.967	728	583	0.801	0.22		
8.037	219	202	0.922	0.06		
8.067	5453	3905	0.716	1.65	16 Aroclor 1254	CO
8.110	1190	958	0.805	0.36		
8.142	714	559	0.783	0.21		
8.240	3144	2130	0.677	0.95		
8.287	1078	659	0.611	0.32		
8.327	2372	1778	0.750	0.72		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.553	2397	1598	0.667	0.72	
8.695	1559	422	0.271	0.47	
8.768	549	452	0.823	0.16	
8.837	701	443	0.632	0.21	
9.160	699	227	0.325	0.21	
9.345	1051	665	0.633	0.31	
9.547	63177	40584	0.642	19.41	
9.688	633	245	0.387	0.19	
10.303	566	204	0.360	0.17	
11.038	629	169	0.269	0.19	
	328927	220589		100.000	

Total unknown % area = 74

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707020.d
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 07-JUL-2020 18:39
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-callc,254118:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.195	7.193	0.002	5697	0.05000	0.050	0.00-	20.00	100.00 (M)	CO
7.228	7.227	0.001	10805	0.05000	0.050	0.00-	20.00	189.66	CO
7.321	7.320	0.001	18174	0.05000	0.050	0.00-	20.00	319.01	CO
7.525	7.524	0.001	14447	0.05000	0.051	0.00-	20.00	253.59	CO
7.735	7.733	0.002	10530	0.05000	0.047	0.00-	20.00	184.83	CO
7.858	7.858	0.000	18904	0.05000	0.051	0.00-	20.00	331.82	CO
8.066	8.066	0.000	5452	0.05000	0.051	0.00-	20.00	95.70	CO
Average of Peak Amounts =					0.05000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 18:39

Client ID: 1254-CAL1C

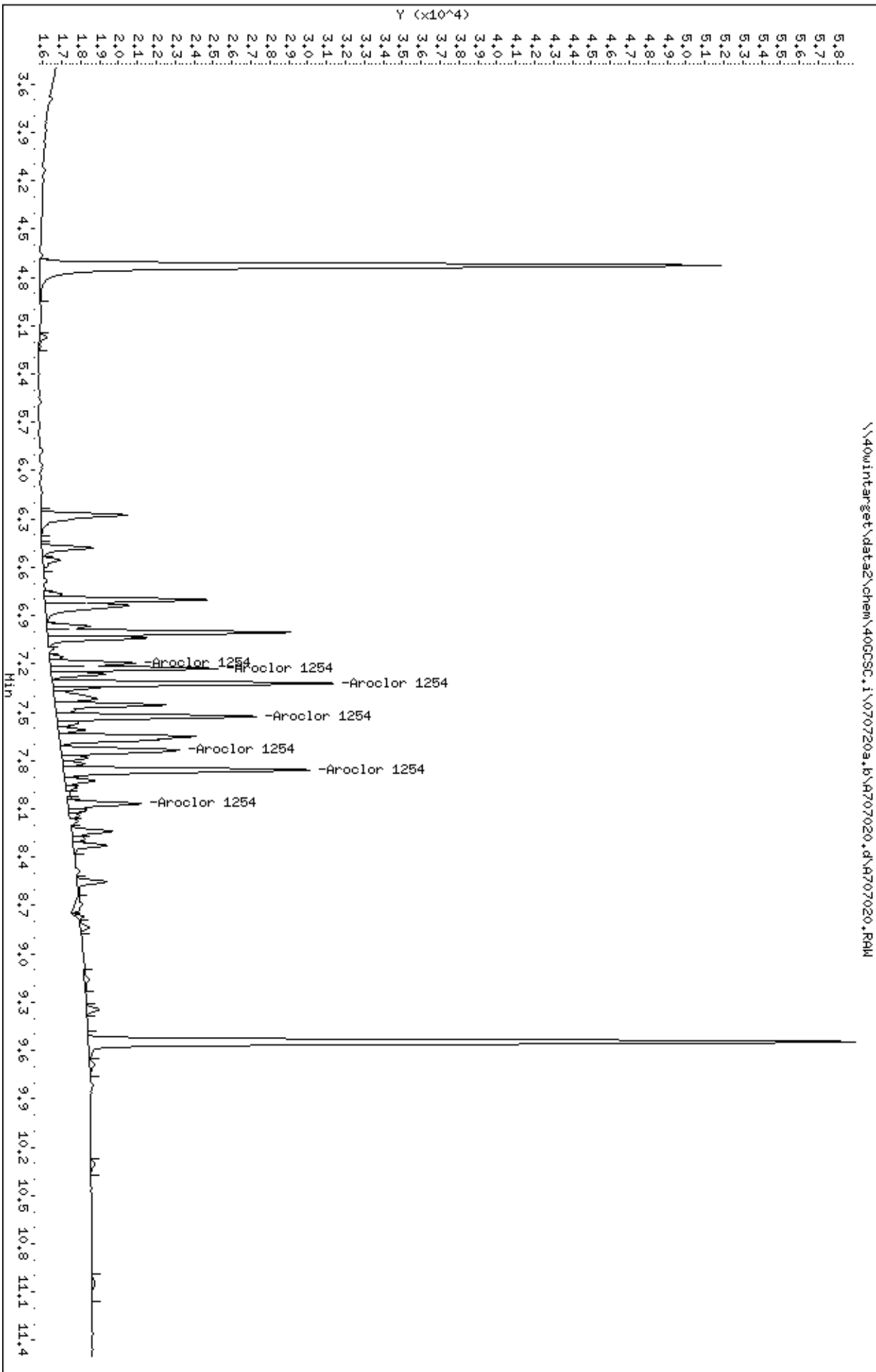
Sample Info: 1254-CAL1C,254118:1

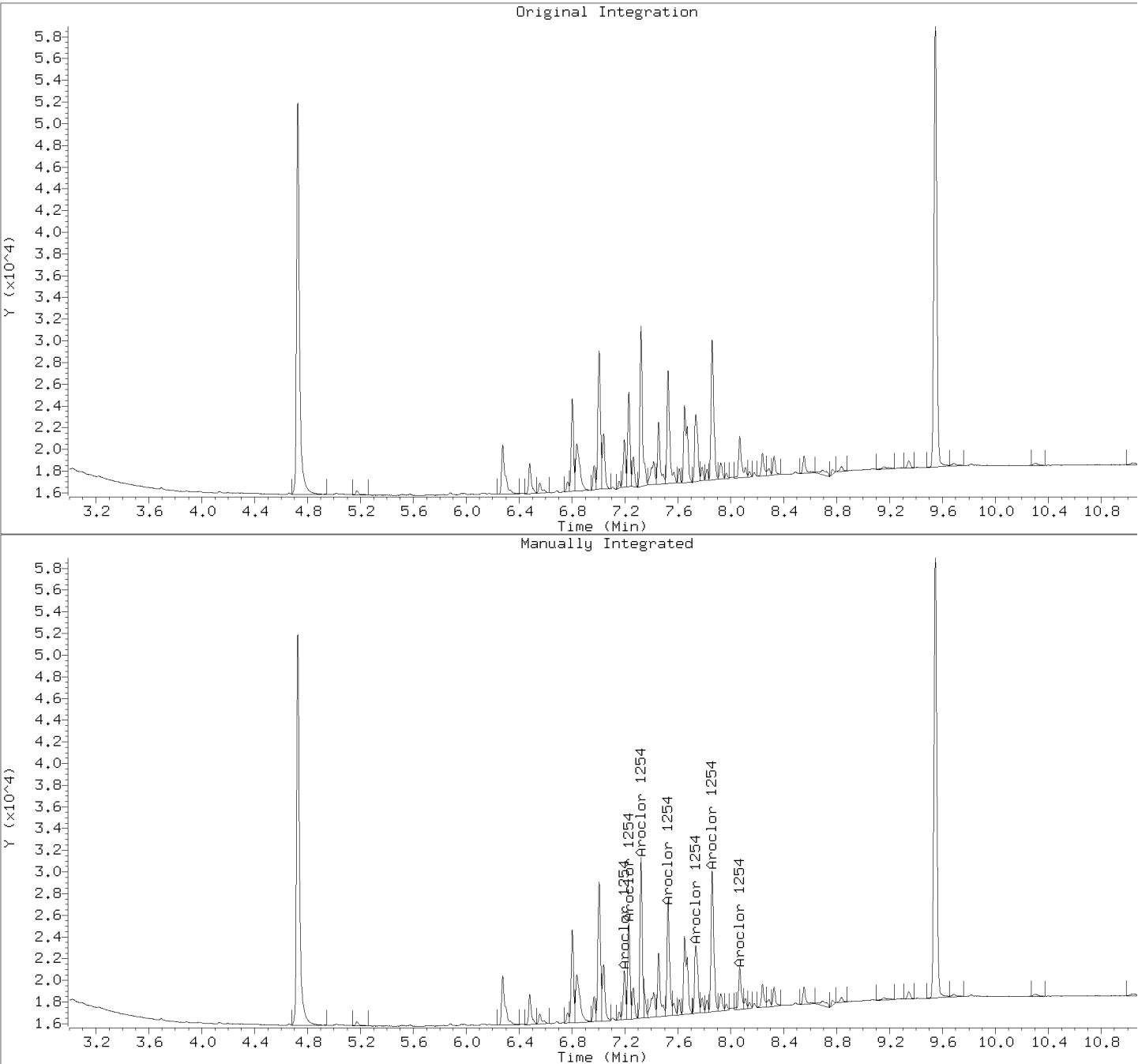
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO
Aroclor 1254	0	5697	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707020.d
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 07-JUL-2020 18:39
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cali1c,254118:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.660	50701	43104	0.850	17.20		
5.072	606	511	0.844	0.20		
6.025	584	247	0.423	0.19		
6.337	5142	4554	0.886	1.74		
6.377	1818	1264	0.695	0.61		
6.475	461	346	0.750	0.15		
6.573	3437	2905	0.845	1.16		
6.677	1334	1144	0.858	0.45		
6.802	390	323	0.829	0.13		
6.830	1402	1185	0.845	0.47		
6.878	5133	4579	0.892	1.74		
6.915	10605	9065	0.855	3.59		
6.978	1721	1530	0.889	0.58		
7.010	2684	2363	0.880	0.91		
7.057	11465	10274	0.896	3.88		
7.105	6101	5317	0.871	2.06		
7.138	4754	3703	0.779	1.61		
7.235	924	852	0.922	0.31		
7.280	5024	4207	0.837	1.70	16 Aroclor 1254	BA
7.323	9415	8204	0.871	3.19	16 Aroclor 1254	BA
7.370	3237	2833	0.875	1.09		
7.410	19302	15271	0.791	6.54	16 Aroclor 1254	BA
7.485	3265	1611	0.493	1.10		
7.548	9035	6696	0.741	3.06		
7.570	13598	11169	0.821	4.61	16 Aroclor 1254	BA
7.647	2684	1953	0.728	0.91		
7.690	8420	7122	0.846	2.85		
7.808	6666	7124	1.069	2.26		
7.823	8322	7335	0.881	2.82	16 Aroclor 1254	BA
7.872	1823	1438	0.789	0.61		
7.905	1300	1223	0.941	0.44		
7.948	16639	11800	0.709	5.64	16 Aroclor 1254	BA
8.022	2790	1350	0.484	0.94		
8.107	980	712	0.726	0.33		
8.202	4717	3604	0.764	1.60	16 Aroclor 1254	BA
8.270	603	489	0.811	0.20		
8.315	3289	2483	0.755	1.11		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.387	2262	1731	0.765	0.76	
8.683	1690	1259	0.745	0.57	
8.873	1087	338	0.311	0.36	
8.932	677	402	0.594	0.22	
9.020	444	356	0.803	0.15	
9.515	793	570	0.719	0.26	
9.817	57438	36318	0.632	19.70	
	294760	230864		100.000	

Total unknown % area = 74

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707020.d
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 07-JUL-2020 18:39
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-callc,254118:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.280	7.278	0.002	5024	0.05000	0.052	0.00-	20.00	100.00 (M)	BA
7.323	7.322	0.001	9414	0.05000	0.050	0.00-	20.00	187.38	BA
7.410	7.409	0.001	19302	0.05000	0.051	0.00-	20.00	384.20	BA
7.570	7.568	0.002	13598	0.05000	0.052	0.00-	20.00	270.66	BA
7.823	7.822	0.001	8321	0.05000	0.051	0.00-	20.00	165.63	BA
7.948	7.947	0.001	16639	0.05000	0.050	0.00-	20.00	331.19	BA
8.201	8.200	0.001	4717	0.05000	0.050	0.00-	20.00	93.89	BA
Average of Peak Amounts =					0.05086				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 18:39

Client ID: 1254-CAL1C

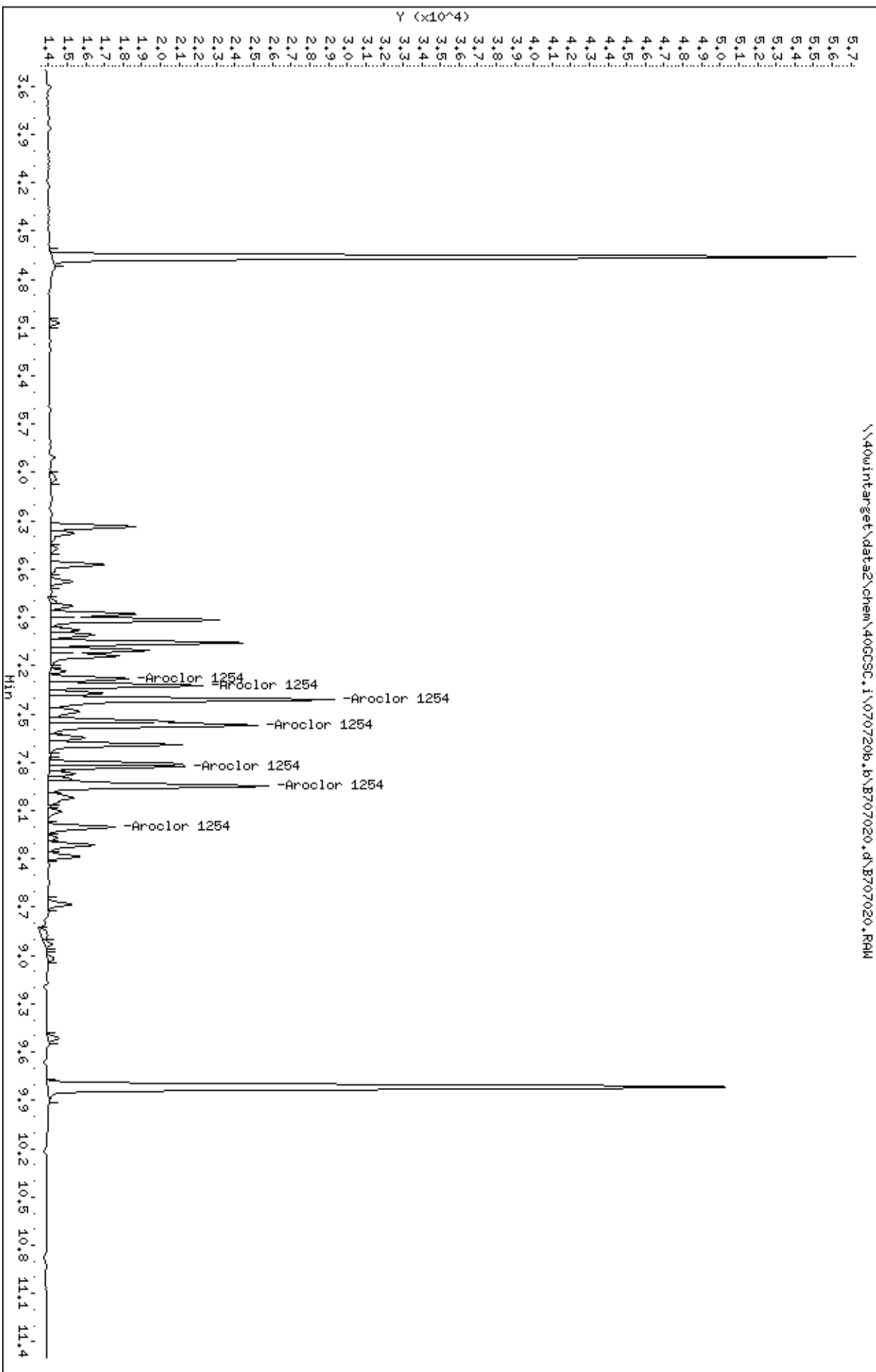
Sample Info: 1254-CAL1C,254118:1

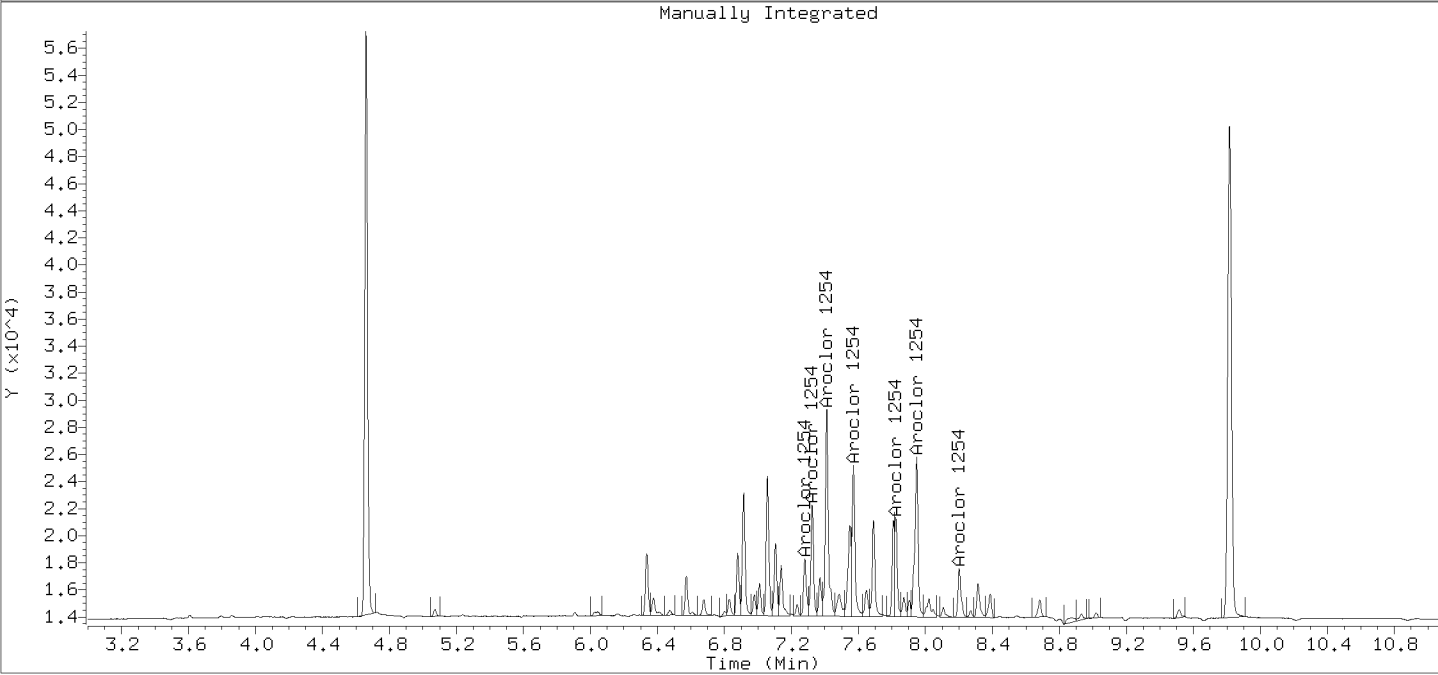
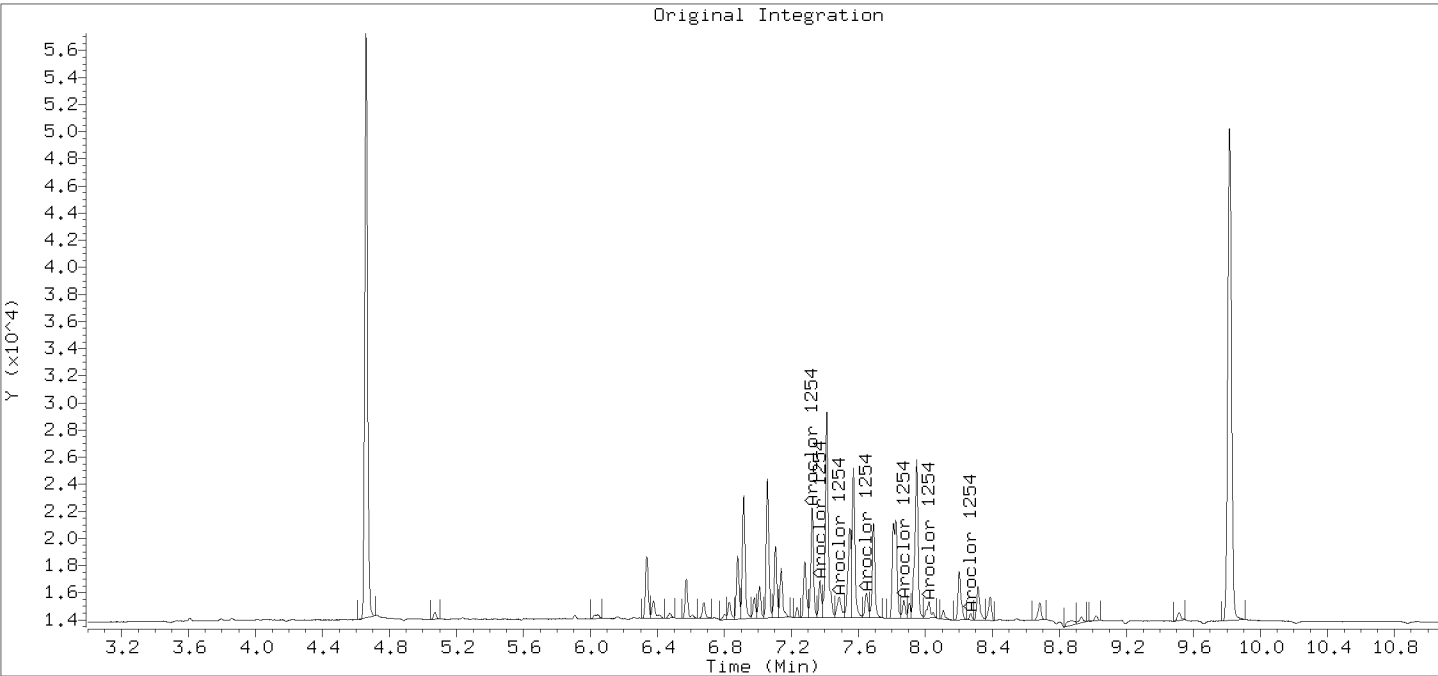
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA
Aroclor 1254	9091	5024	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707021.d
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 07-JUL-2020 18:57
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal2c,254119:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.133	529	375	0.709	0.04		
4.725	118013	77587	0.657	10.81		
5.173	1327	742	0.559	0.12		
5.515	794	322	0.406	0.07		
5.878	668	406	0.608	0.06		
5.963	1449	548	0.378	0.13		
6.113	529	257	0.486	0.04		
6.275	32202	17875	0.555	2.95		
6.478	16107	11218	0.696	1.47		
6.555	5256	4062	0.773	0.48		
6.588	1832	1215	0.663	0.16		
6.683	962	796	0.827	0.08		
6.765	5233	4177	0.798	0.47		
6.800	42475	34150	0.804	3.89		
6.835	40075	18714	0.467	3.67		
6.965	11053	9582	0.867	1.01		
7.003	71269	52984	0.743	6.53		
7.038	27277	20189	0.740	2.49		
7.107	1319	1085	0.823	0.12		
7.155	3824	3397	0.888	0.35		
7.193	23632	18957	0.802	2.16	16 Aroclor 1254	CO
7.228	45157	37296	0.826	4.13	16 Aroclor 1254	CO
7.263	15393	12128	0.788	1.41		
7.320	76318	64605	0.847	6.99	16 Aroclor 1254	CO
7.347	8331	8274	0.993	0.76		
7.415	21668	9517	0.439	1.98		
7.453	36176	23869	0.660	3.31		
7.525	59398	44715	0.753	5.44	16 Aroclor 1254	CO
7.568	6534	4564	0.698	0.59		
7.608	7258	6156	0.848	0.66		
7.650	56671	29914	0.528	5.19		
7.707	77	415	5.383	0.00		
7.733	46370	28362	0.612	4.24	16 Aroclor 1254	CO
7.783	7222	5943	0.823	0.66		
7.818	5934	5110	0.861	0.54		
7.858	78353	55719	0.711	7.18	16 Aroclor 1254	CO
7.923	10215	6712	0.657	0.93		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.965	3386	2405	0.710	0.31	
8.035	789	617	0.782	0.07	
8.067	22249	16336	0.734	2.03	16 Aroclor 1254
8.110	4733	3921	0.828	0.43	
8.142	2829	2305	0.815	0.25	
8.177	2343	1894	0.809	0.21	
8.240	12522	8974	0.717	1.14	
8.288	4210	2748	0.653	0.38	
8.327	10497	7612	0.725	0.96	
8.553	8942	6651	0.744	0.81	
8.608	832	380	0.457	0.07	
8.693	855	235	0.275	0.07	
8.768	805	663	0.824	0.07	
8.837	1493	722	0.484	0.13	
9.347	1731	1142	0.660	0.15	
9.547	124359	79357	0.638	11.67	
9.683	1055	277	0.263	0.09	
9.815	585	282	0.482	0.05	
	1091111	758458		100.000	

Total unknown % area = 68

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707021.d
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 07-JUL-2020 18:57
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal2c,254119:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.193	7.193	0.000	23631	0.20000	0.21	0.00-	20.00	100.00 (M)	CO
7.228	7.227	0.001	45156	0.20000	0.21	0.00-	20.00	191.09	CO
7.320	7.320	0.000	76318	0.20000	0.21	0.00-	20.00	322.96	CO
7.525	7.524	0.001	59398	0.20000	0.21	0.00-	20.00	251.36	CO
7.733	7.733	0.000	46370	0.20000	0.21	0.00-	20.00	196.23	CO
7.858	7.858	0.000	78352	0.20000	0.21	0.00-	20.00	331.56	CO
8.066	8.066	0.000	22249	0.20000	0.21	0.00-	20.00	94.15	CO
Average of Peak Amounts =					0.21000				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 18:57

Client ID: 1254-CAL2C

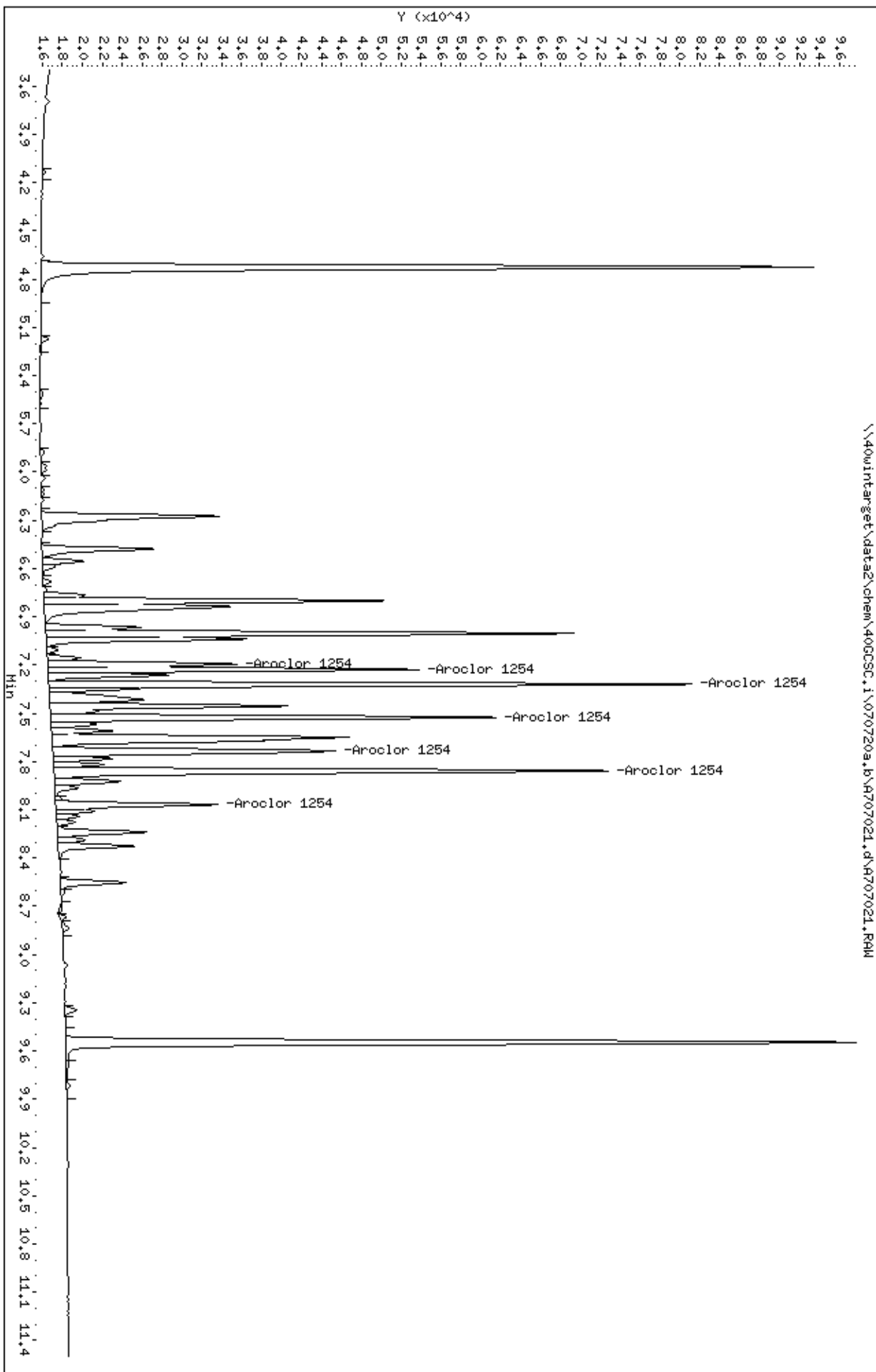
Sample Info: 1254-CAL2C,254119:1

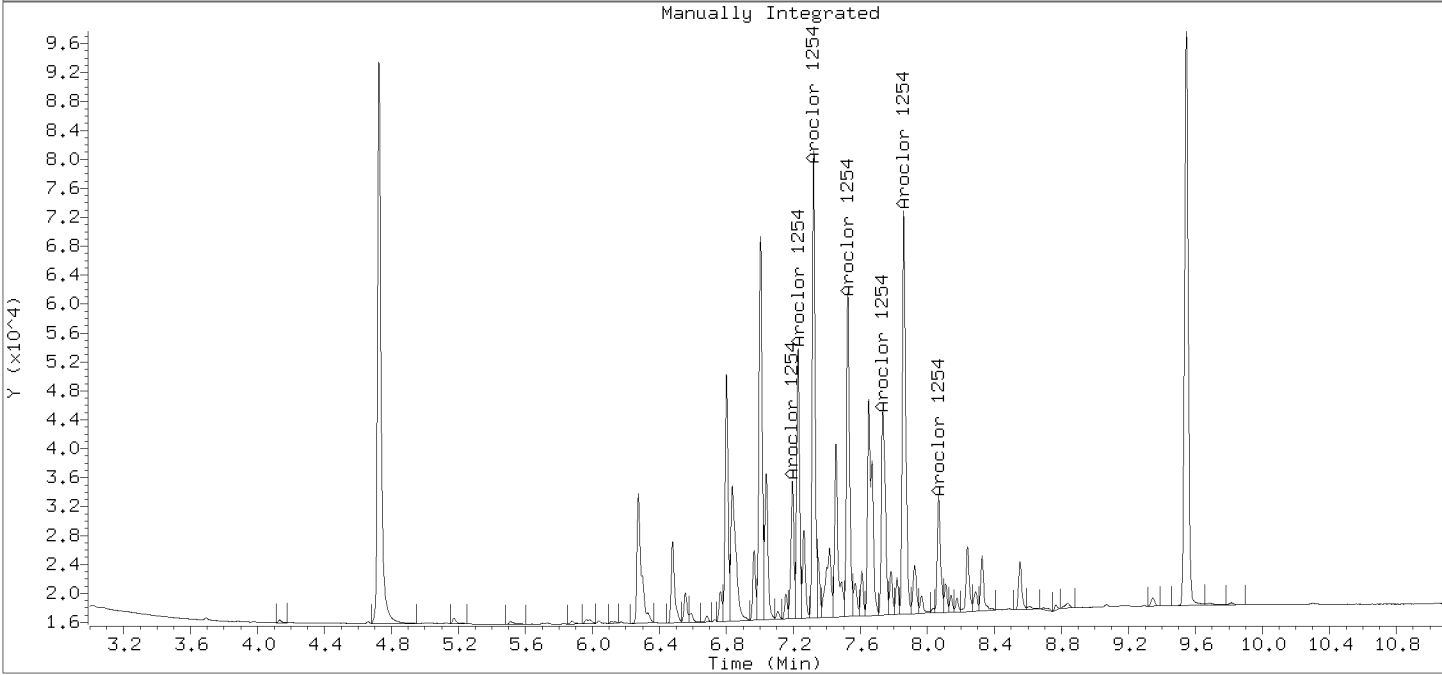
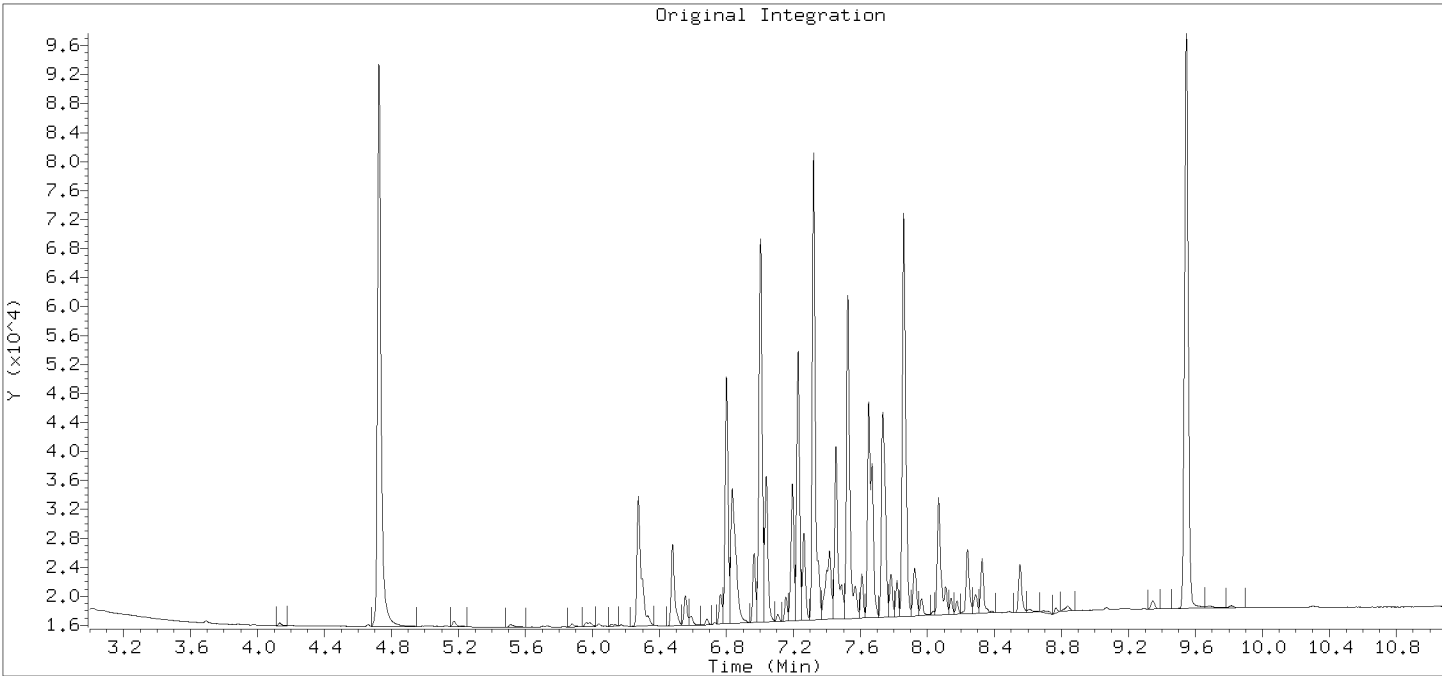
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO
Aroclor 1254	0	23631	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707021.d
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 07-JUL-2020 18:57
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal2c,254119:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	531	436	0.822	0.05		
3.858	456	393	0.863	0.04		
4.660	105077	87622	0.834	10.77		
5.070	1355	1027	0.758	0.13		
5.907	502	478	0.951	0.05		
6.023	1799	842	0.468	0.18		
6.162	1040	608	0.585	0.10		
6.260	618	314	0.508	0.06		
6.335	20248	17892	0.884	2.07		
6.377	7141	5226	0.732	0.73		
6.572	14443	11687	0.809	1.48		
6.677	6347	5086	0.801	0.65		
6.800	1408	1271	0.902	0.14		
6.828	5927	5050	0.852	0.60		
6.878	20920	18601	0.889	2.14		
6.913	42613	36367	0.853	4.36		
6.978	7110	6321	0.889	0.72		
7.008	10834	9809	0.905	1.11		
7.055	46194	41966	0.908	4.73		
7.103	24289	21513	0.886	2.48		
7.138	19027	14648	0.770	1.95		
7.233	4148	3628	0.875	0.42		
7.278	20410	16775	0.822	2.09	16 Aroclor 1254	CO
7.323	38853	34626	0.891	3.98	16 Aroclor 1254	CO
7.370	13113	11963	0.912	1.34		
7.410	80080	65143	0.813	8.20	16 Aroclor 1254	CO
7.485	11584	6227	0.538	1.18		
7.548	37371	27691	0.741	3.83		
7.568	55417	47640	0.860	5.68	16 Aroclor 1254	CO
7.647	10847	7985	0.736	1.11		
7.690	34769	28868	0.830	3.56		
7.808	28876	29734	1.030	2.95		
7.822	33473	31279	0.934	3.43	16 Aroclor 1254	CO
7.870	7010	5857	0.836	0.71		
7.903	5430	4983	0.918	0.55		
7.947	68936	49787	0.722	7.06	16 Aroclor 1254	CO
8.022	11465	5472	0.477	1.17		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.105	4124	2965	0.719	0.42	
8.200	19657	15068	0.767	2.01	16 Aroclor 1254
8.268	2404	2060	0.857	0.24	
8.313	13354	10737	0.804	1.36	
8.387	11049	7467	0.676	1.13	
8.682	8037	5426	0.675	0.82	
8.870	984	467	0.474	0.10	
8.930	678	540	0.797	0.06	
9.018	643	516	0.802	0.06	
9.513	1186	955	0.805	0.12	
9.815	113767	71807	0.631	11.88	
	975542	782823		100.000	

Total unknown % area = 68

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707021.d
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 07-JUL-2020 18:57
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal2c,254119:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.278	7.278	0.000	20410	0.20000	0.21	0.00-	20.00	100.00 (M)	CO
7.323	7.322	0.001	38853	0.20000	0.21	0.00-	20.00	190.36	CO
7.410	7.409	0.001	80080	0.20000	0.21	0.00-	20.00	392.36	CO
7.568	7.568	0.000	55416	0.20000	0.21	0.00-	20.00	271.51	CO
7.821	7.822	-0.001	33473	0.20000	0.20	0.00-	20.00	164.00	CO
7.946	7.947	-0.001	68935	0.20000	0.21	0.00-	20.00	337.75	CO
8.200	8.200	0.000	19656	0.20000	0.21	0.00-	20.00	96.31	CO
Average of Peak Amounts =					0.20857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 18:57

Client ID: 1254-CAL2C

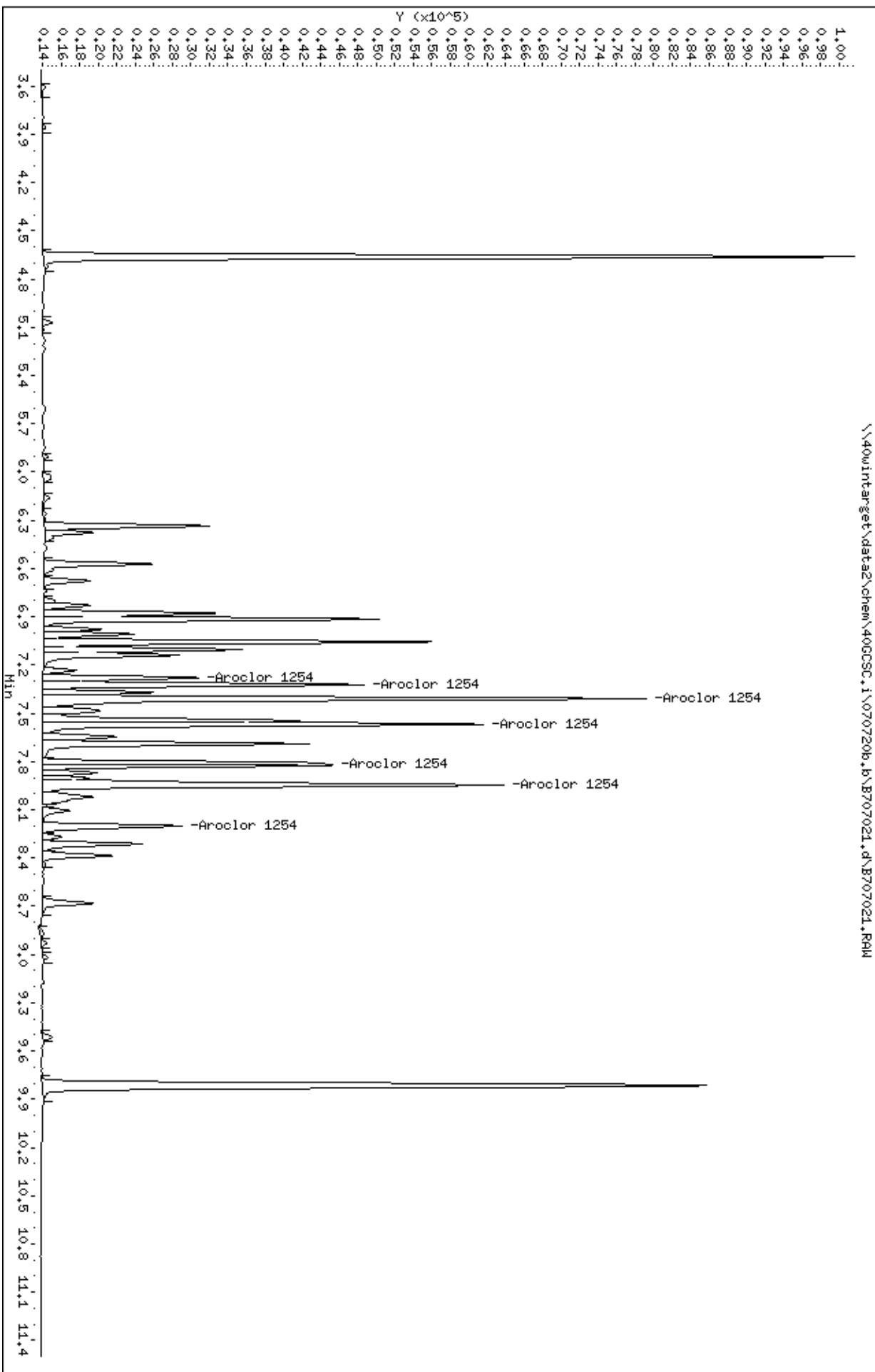
Sample Info: 1254-CAL2C,254119:1

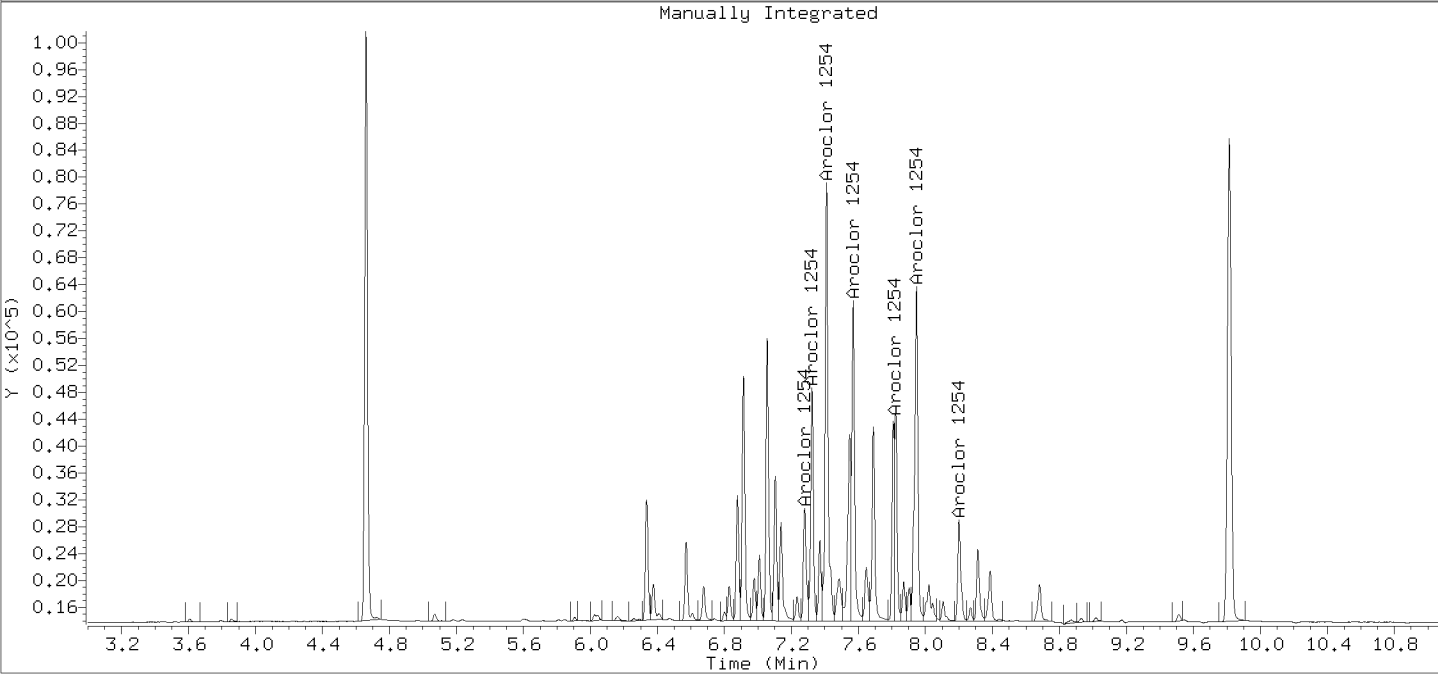
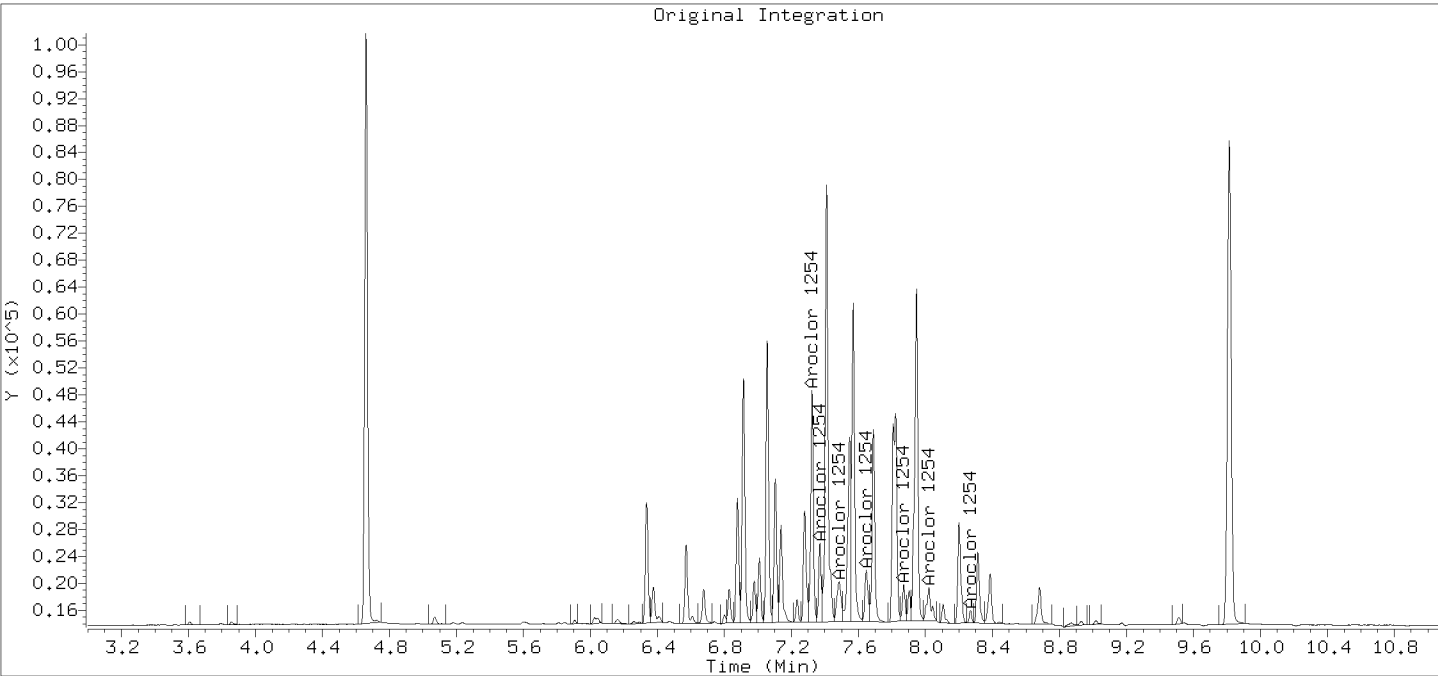
Instrument: 40GCSC.i

Column phase: Rtx-CLP II

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO
Aroclor 1254	37876	20410	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707022.d
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 07-JUL-2020 19:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal3c,254120:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.030	618	194	0.314	0.02		
3.222	516	239	0.463	0.01		
3.695	2053	880	0.429	0.07		
3.885	1472	464	0.315	0.05		
3.978	1031	306	0.297	0.03		
4.133	621	353	0.569	0.02		
4.662	844	724	0.857	0.03		
4.727	293355	201677	0.687	11.25		
5.017	949	221	0.233	0.03		
5.127	626	368	0.587	0.02		
5.173	3210	2007	0.625	0.12		
5.227	1218	418	0.343	0.04		
5.512	1593	781	0.490	0.06		
5.705	952	294	0.309	0.03		
5.878	1680	1031	0.614	0.06		
5.963	3880	1491	0.384	0.14		
6.038	1326	946	0.713	0.05		
6.112	1275	653	0.512	0.04		
6.172	511	424	0.830	0.01		
6.275	73242	40698	0.556	2.80		
6.478	37974	27452	0.723	1.45		
6.555	12943	9892	0.764	0.49		
6.588	4834	3137	0.649	0.18		
6.683	2443	2056	0.841	0.09		
6.730	877	864	0.986	0.03		
6.765	12919	10323	0.799	0.49		
6.800	97157	80943	0.833	3.72		
6.835	94422	44325	0.469	3.62		
6.965	26259	22735	0.866	1.00		
7.003	166006	125232	0.754	6.36		
7.038	64339	48122	0.748	2.46		
7.107	3668	2746	0.749	0.14		
7.155	9311	8233	0.884	0.35		
7.193	56699	45194	0.797	2.17	16 Aroclor 1254	CO
7.227	107829	91483	0.848	4.13	16 Aroclor 1254	CO
7.262	35916	29281	0.815	1.37		
7.320	184170	156973	0.852	7.06	16 Aroclor 1254	CO

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	
7.347	18078	18292	1.012	0.69	16 Aroclor 1254	
7.415	51464	22952	0.446	1.97		
7.453	69946	55977	0.800	2.68		
7.487	15481	11379	0.735	0.59		
7.523	140377	108893	0.776	5.38		
7.568	14898	10584	0.710	0.57		
7.608	17319	14568	0.841	0.66		
7.650	132555	70304	0.530	5.08		
7.707	205	1085	5.295	0.00		
7.733	112548	70933	0.630	4.31		
7.783	16839	14273	0.848	0.64	16 Aroclor 1254	
7.818	14143	12240	0.865	0.54		
7.858	184520	131091	0.710	7.07		
7.923	24156	16184	0.670	0.92		
7.965	7369	5614	0.762	0.28		
8.033	1955	1356	0.694	0.07		
8.067	52853	39542	0.748	2.02		
8.110	10832	9013	0.832	0.41		
8.142	6573	5436	0.827	0.25		
8.177	5528	4418	0.799	0.21		16 Aroclor 1254
8.240	30092	22726	0.755	1.15		
8.287	9716	6578	0.677	0.37		
8.327	24741	17759	0.718	0.94		
8.420	355	222	0.624	0.01		
8.487	357	206	0.576	0.01		
8.553	21483	15955	0.743	0.82		
8.610	2086	936	0.449	0.07		
8.693	1104	429	0.389	0.04		
8.767	1758	1462	0.831	0.06		
8.837	3448	1700	0.493	0.13	16 Aroclor 1254	
9.070	1027	735	0.716	0.03		
9.345	4241	2799	0.660	0.16		
9.547	296746	189584	0.639	11.76		
9.687	1349	376	0.279	0.05		
9.817	1056	623	0.590	0.04		
10.305	548	200	0.365	0.02		
11.040	517	164	0.317	0.01		
=====						
2607003		1849748	100.000			

Total unknown % area = 68

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707022.d
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 07-JUL-2020 19:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal3c,254120:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.193	7.193	0.000	56699	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
7.226	7.227	-0.001	107828	0.50000	0.50	0.00-	20.00	190.18	CO
7.320	7.320	0.000	184169	0.50000	0.50	0.00-	20.00	324.82	CO
7.523	7.524	-0.001	140377	0.50000	0.50	0.00-	20.00	247.58	CO
7.733	7.733	0.000	112547	0.50000	0.51	0.00-	20.00	198.50	CO
7.858	7.858	0.000	184520	0.50000	0.50	0.00-	20.00	325.44	CO
8.066	8.066	0.000	52852	0.50000	0.50	0.00-	20.00	93.22	CO
Average of Peak Amounts =					0.50143				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 19:15

Client ID: 1254-CAL3C

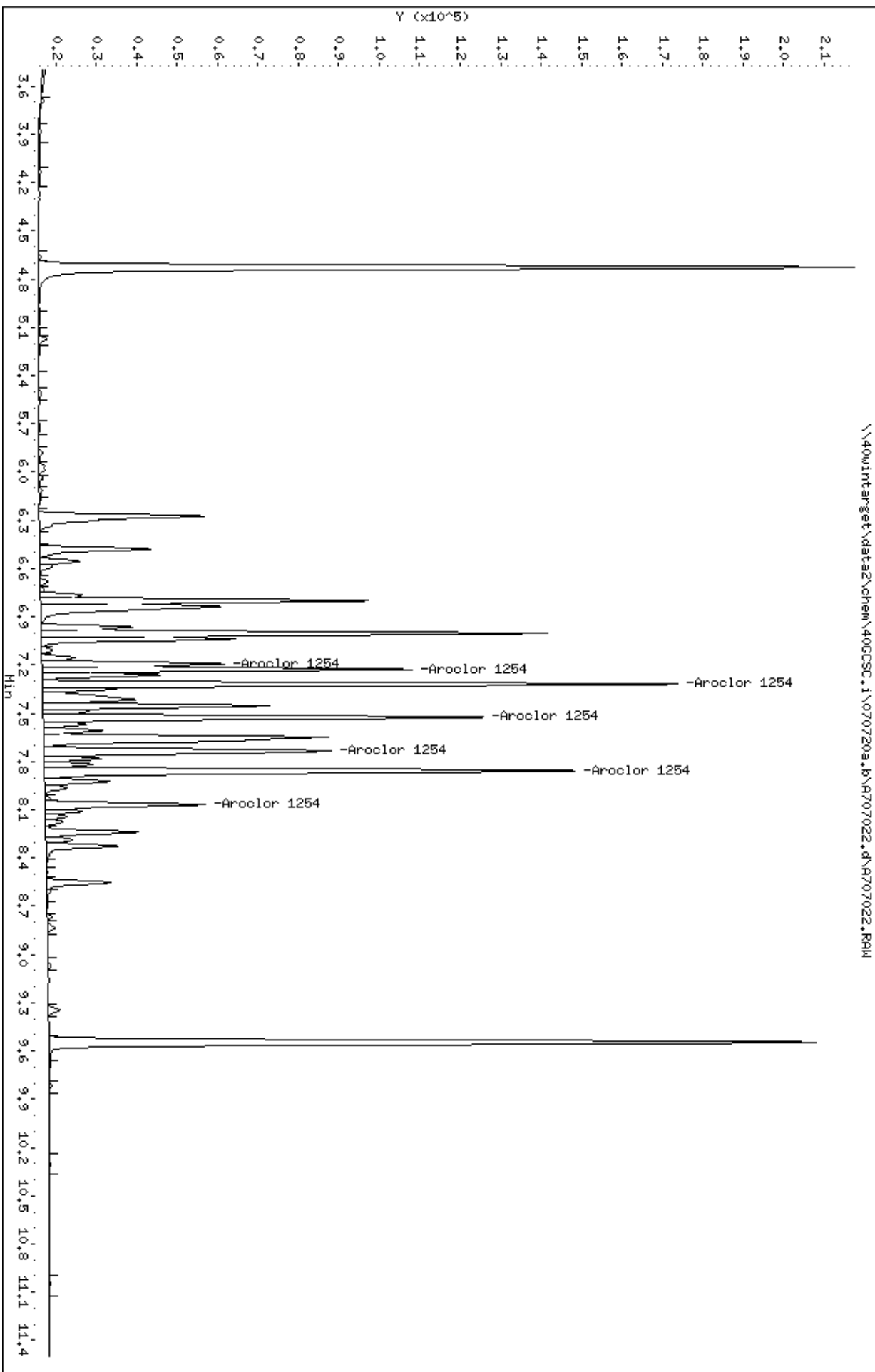
Sample Info: 1254-CAL3C,254120:1

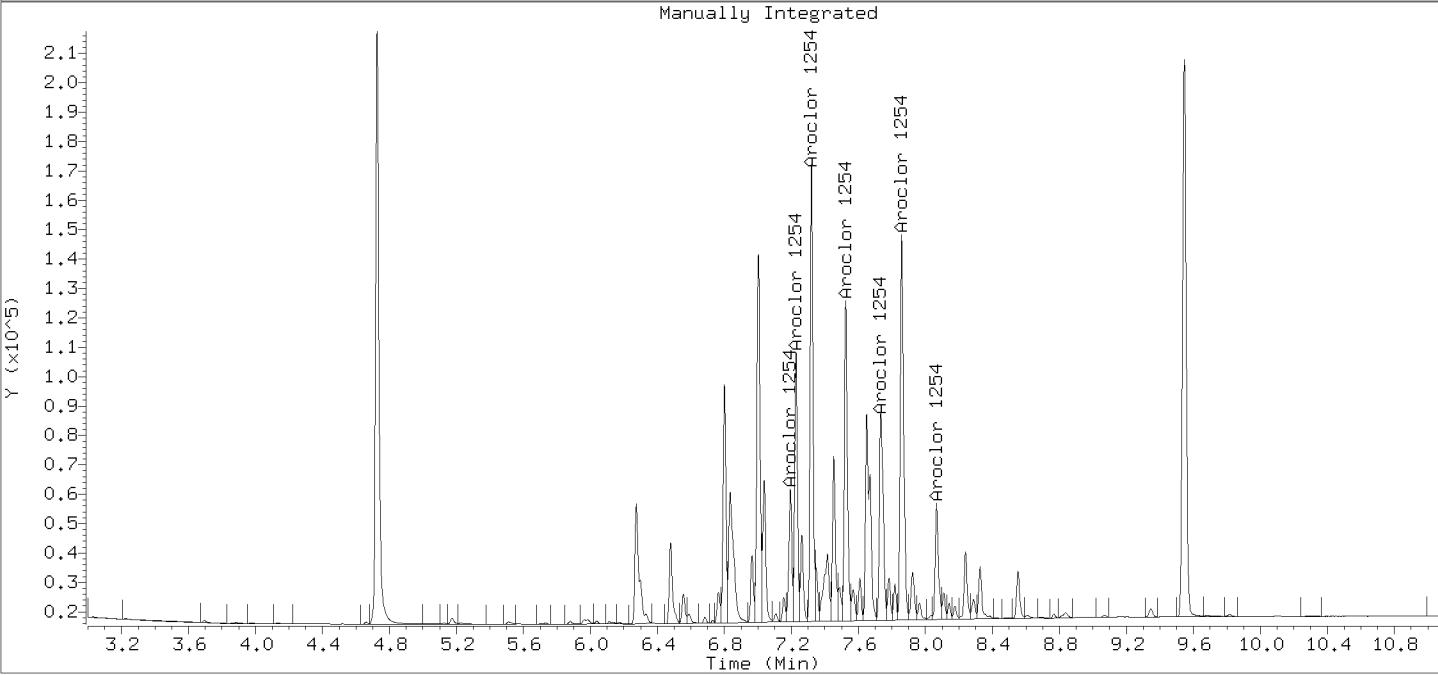
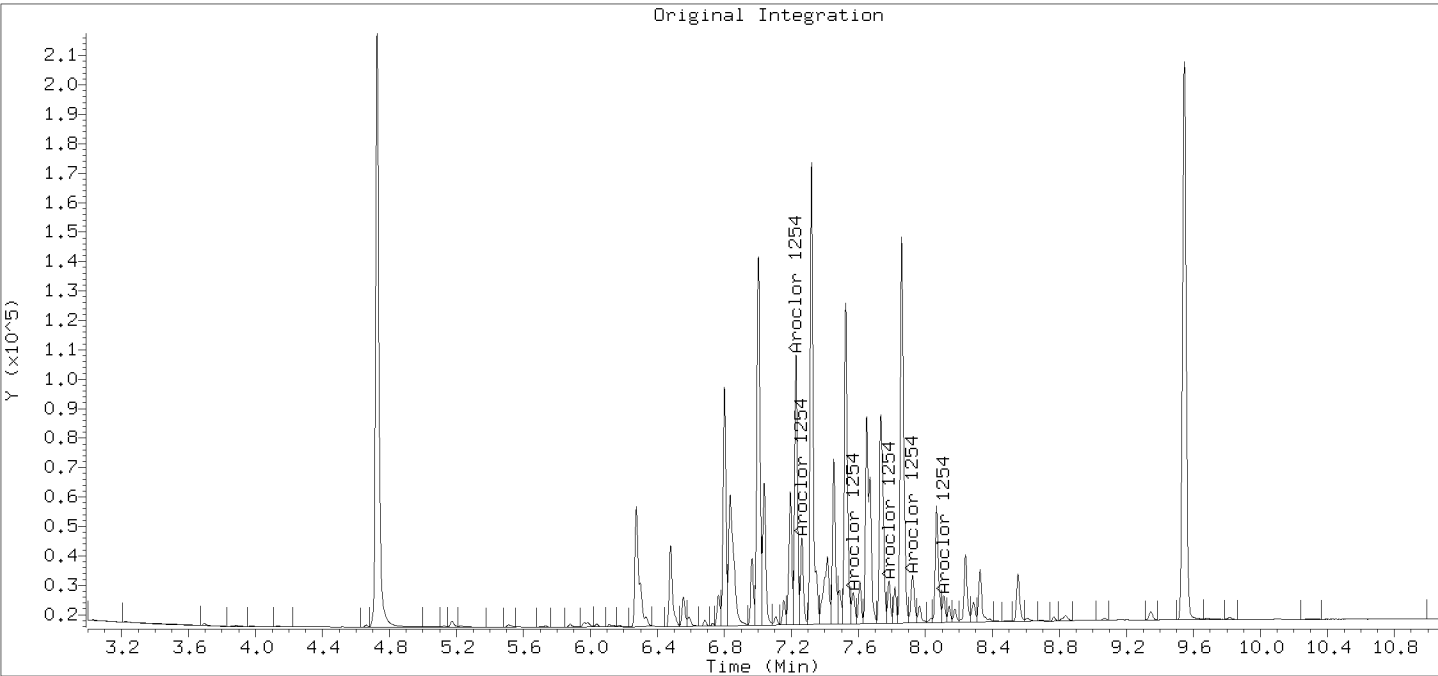
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO
Aroclor 1254	106825	56699	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707022.d
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 07-JUL-2020 19:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal3c,254120:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	2036	1402	0.688	0.08		
3.793	550	460	0.837	0.02		
3.858	437	374	0.856	0.01		
4.662	254255	219034	0.861	10.93		
4.725	1887	1044	0.553	0.08		
5.072	3492	2485	0.712	0.15		
5.182	813	503	0.619	0.03		
5.237	651	501	0.770	0.02		
5.602	1516	847	0.559	0.06		
5.810	457	387	0.847	0.01		
5.847	618	513	0.831	0.02		
5.908	1532	1246	0.813	0.06		
6.025	4110	1936	0.471	0.17		
6.162	2710	1557	0.575	0.11		
6.260	1707	819	0.480	0.07		
6.335	46644	42311	0.907	2.00		
6.377	16363	11995	0.733	0.70		
6.473	1589	1313	0.826	0.06		
6.573	30576	27599	0.903	1.31		
6.610	3248	2494	0.768	0.13		
6.677	16245	12033	0.741	0.69		
6.802	3367	3112	0.924	0.14		
6.830	13849	11834	0.854	0.59		
6.878	49826	44409	0.891	2.14		
6.915	97599	86194	0.883	4.19		
6.978	16098	14477	0.899	0.69		
7.010	25022	22586	0.903	1.07		
7.057	107349	97520	0.908	4.61		
7.105	57286	50299	0.878	2.46		
7.138	42892	33986	0.792	1.84		
7.233	9086	8275	0.911	0.39		
7.280	47418	39735	0.838	2.03	16 Aroclor 1254	BA
7.323	92620	83260	0.899	3.98	16 Aroclor 1254	BA
7.370	31720	28904	0.911	1.36		
7.410	189663	159540	0.841	8.15	16 Aroclor 1254	BA
7.485	26660	14597	0.548	1.14		
7.548	85704	65690	0.766	3.68		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.570	131228	113177	0.862	5.64	16 Aroclor 1254
7.647	24171	18061	0.747	1.03	
7.690	79707	67276	0.844	3.42	
7.808	65780	69752	1.060	2.82	
7.823	82144	75950	0.925	3.53	16 Aroclor 1254
7.872	15694	13691	0.872	0.67	
7.903	12405	11520	0.929	0.53	
7.948	164476	117510	0.714	7.07	16 Aroclor 1254
8.022	19248	12731	0.661	0.82	
8.045	8080	5988	0.741	0.34	
8.107	9353	7014	0.750	0.40	
8.202	46902	35650	0.760	2.01	16 Aroclor 1254
8.270	5559	4812	0.866	0.23	
8.313	32069	26052	0.812	1.37	
8.387	24967	17715	0.710	1.07	
8.443	1478	831	0.562	0.06	
8.683	20449	12999	0.636	0.87	
8.873	1718	956	0.557	0.07	
8.932	2063	1438	0.697	0.08	
9.018	2605	1465	0.562	0.11	
9.175	1023	785	0.768	0.04	
9.515	4747	2625	0.553	0.20	
9.817	281104	181019	0.644	12.45	
2324565		1894288		100.000	

Total unknown % area = 68

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707022.d
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 07-JUL-2020 19:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal3c,254120:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.280	7.278	0.002	47418	0.50000	0.49	0.00-	20.00	100.00 (M)	BA
7.323	7.322	0.001	92619	0.50000	0.50	0.00-	20.00	195.32	BA
7.410	7.409	0.001	189662	0.50000	0.50	0.00-	20.00	399.98	BA
7.570	7.568	0.002	131227	0.50000	0.50	0.00-	20.00	276.75	BA
7.823	7.822	0.001	82144	0.50000	0.50	0.00-	20.00	173.23	BA
7.948	7.947	0.001	164476	0.50000	0.50	0.00-	20.00	346.86	BA
8.201	8.200	0.001	46902	0.50000	0.50	0.00-	20.00	98.91	BA
Average of Peak Amounts =					0.49857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 19:15

Client ID: 1254-CAL3C

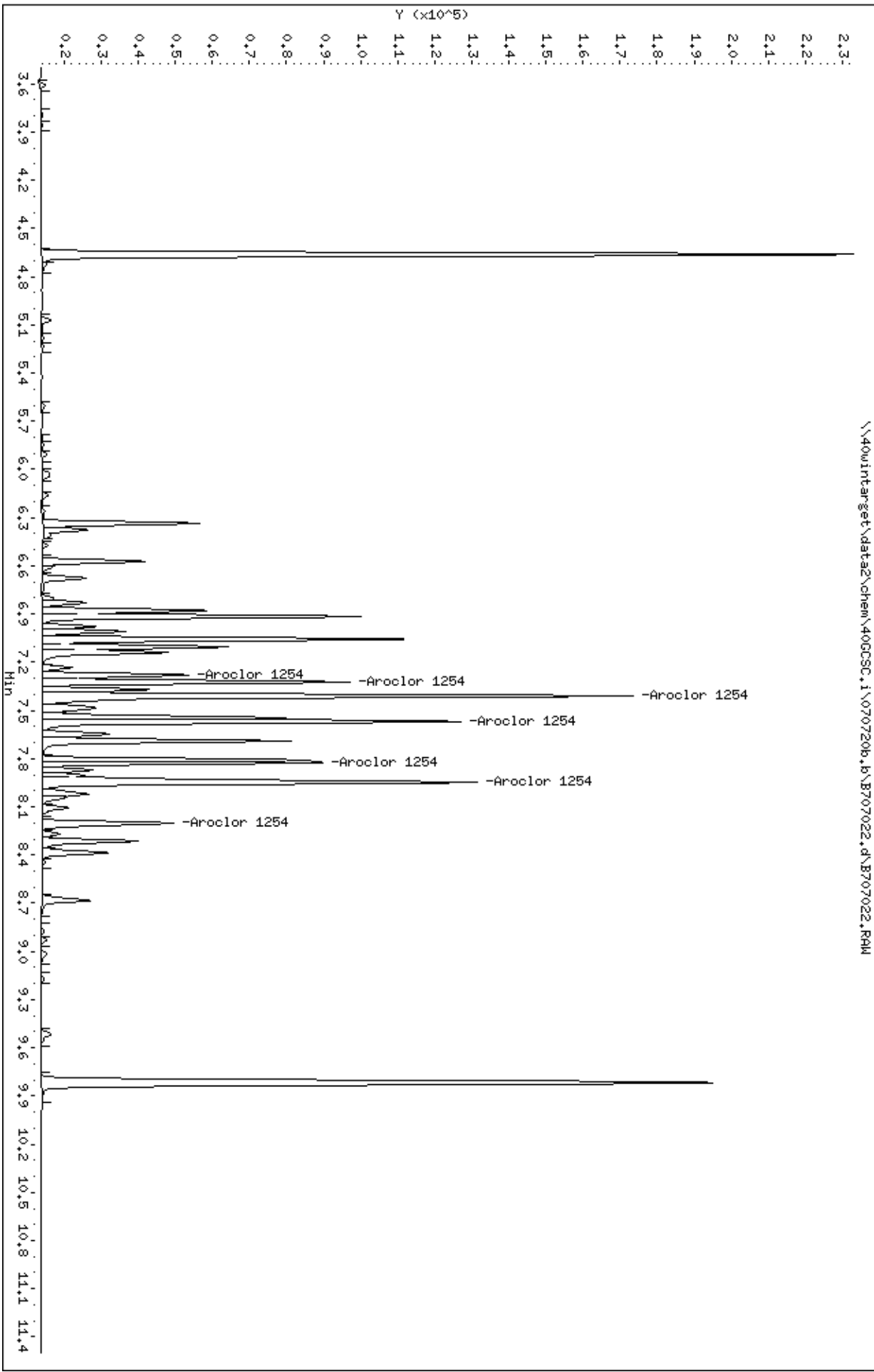
Sample Info: 1254-CAL3C,254120:1

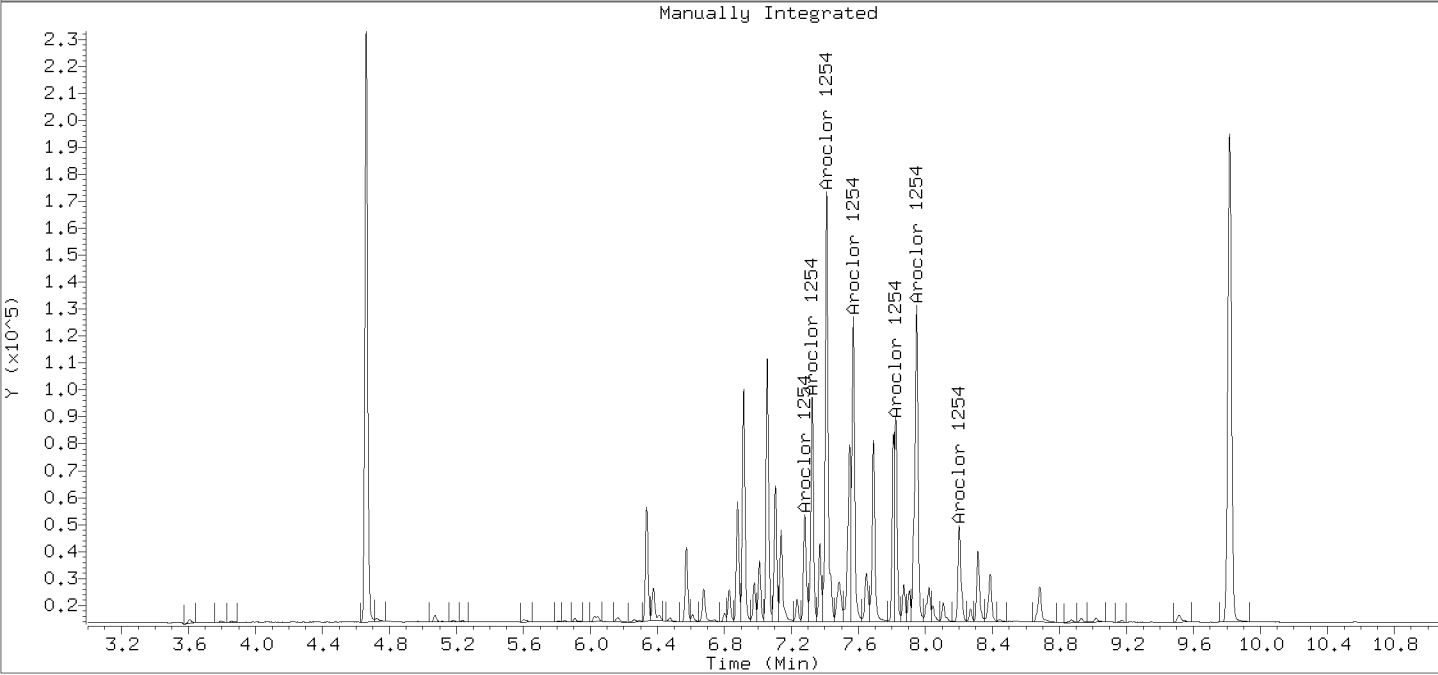
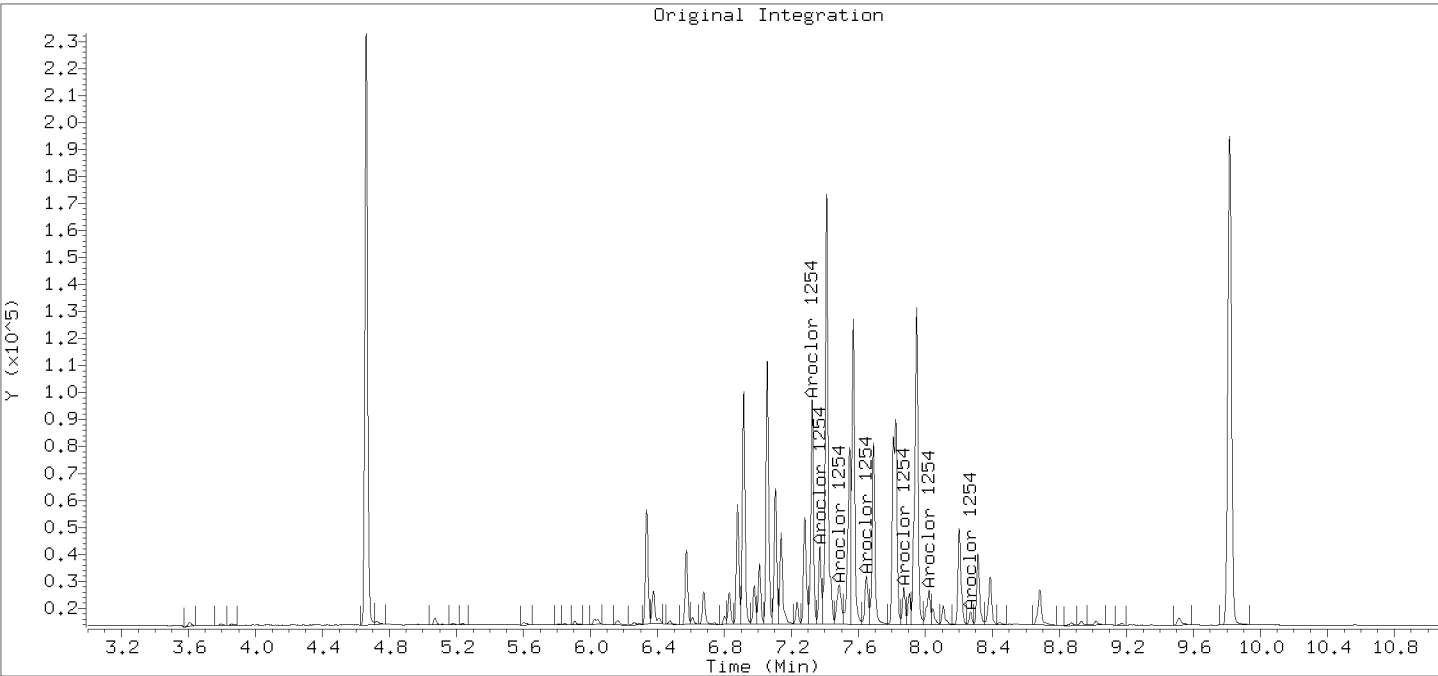
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA
Aroclor 1254	91905	47418	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707023.d
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 07-JUL-2020 19:34
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal4c,254121:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	2519	1749	0.694	0.05		
3.883	921	604	0.656	0.02		
4.133	584	377	0.646	0.01		
4.660	1561	1367	0.876	0.03		
4.725	597889	423517	0.708	14.15		
5.012	518	171	0.330	0.01		
5.125	731	508	0.695	0.01		
5.173	6452	4108	0.637	0.14		
5.227	1635	802	0.491	0.03		
5.513	2850	1276	0.448	0.06		
5.732	927	669	0.722	0.02		
5.878	3466	2245	0.648	0.08		
5.963	6124	2384	0.389	0.14		
6.038	2043	1504	0.736	0.04		
6.113	2050	1103	0.538	0.04		
6.172	811	684	0.844	0.01		
6.275	115855	66794	0.577	2.67		
6.480	59854	43735	0.731	1.38		
6.555	20578	16128	0.784	0.47		
6.590	7732	4962	0.642	0.17		
6.683	3915	3311	0.846	0.09		
6.730	1528	1439	0.942	0.03		
6.765	20328	16838	0.828	0.46		
6.800	154147	126925	0.823	3.56		
6.835	145920	71056	0.487	3.37		
6.965	40792	36412	0.893	0.94		
7.003	261226	196620	0.753	6.03		
7.038	97079	75807	0.781	2.24		
7.108	5812	4435	0.763	0.13		
7.155	15063	12827	0.852	0.34		
7.195	88400	71163	0.805	2.04	16 Aroclor 1254	CO
7.228	170426	147219	0.864	3.93	16 Aroclor 1254	CO
7.263	57154	46844	0.820	1.32		
7.320	289170	250168	0.865	6.68	16 Aroclor 1254	CO
7.348	27850	27807	0.998	0.64		
7.415	80073	36613	0.457	1.85		
7.453	131089	87228	0.665	3.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.525	219650	174258	0.793	5.07	16 Aroclor 1254
7.570	22355	16249	0.727	0.51	
7.610	26552	22775	0.858	0.61	
7.650	122138	112319	0.920	2.82	
7.670	90815	77769	0.856	2.09	
7.733	178579	113151	0.634	4.12	16 Aroclor 1254
7.783	26098	22238	0.852	0.60	
7.818	21992	19067	0.867	0.50	16 Aroclor 1254
7.858	289850	207700	0.717	6.69	
7.923	37321	24789	0.664	0.86	
7.967	11375	8699	0.765	0.26	
8.037	2910	2256	0.775	0.06	
8.067	82520	60520	0.733	1.90	16 Aroclor 1254
8.110	16438	13905	0.846	0.37	
8.142	9931	8345	0.840	0.22	
8.177	8660	6738	0.778	0.20	
8.240	46731	36229	0.775	1.07	
8.288	14934	10280	0.688	0.34	
8.327	36907	27726	0.751	0.85	
8.385	2173	1276	0.587	0.05	
8.483	397	206	0.519	0.00	
8.553	33507	25379	0.757	0.77	
8.610	3690	1487	0.403	0.08	
8.692	1146	380	0.332	0.02	
8.767	2955	2362	0.799	0.06	
8.837	5831	2592	0.445	0.13	
8.915	536	136	0.254	0.01	
9.068	1865	1201	0.644	0.04	
9.347	7028	4691	0.667	0.16	
9.547	575476	371936	0.646	13.29	
9.815	1789	1143	0.639	0.04	
10.102	549	256	0.467	0.01	
4327762		3165457		100.000	

Total unknown % area = 70

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707023.d
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 07-JUL-2020 19:34
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal4c,254121:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.195	7.193	0.002	88400	0.80000	0.78	0.00-	20.00	100.00 (M)	CO
7.228	7.227	0.001	170425	0.80000	0.79	0.00-	20.00	192.79	CO
7.320	7.320	0.000	289170	0.80000	0.79	0.00-	20.00	327.12	CO
7.525	7.524	0.001	219650	0.80000	0.78	0.00-	20.00	248.47	CO
7.733	7.733	0.000	178578	0.80000	0.80	0.00-	20.00	202.01	CO
7.858	7.858	0.000	289849	0.80000	0.78	0.00-	20.00	327.88	CO
8.066	8.066	0.000	82519	0.80000	0.78	0.00-	20.00	93.35	CO
Average of Peak Amounts =					0.78571				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 19:34

Client ID: 1254-CAL4C

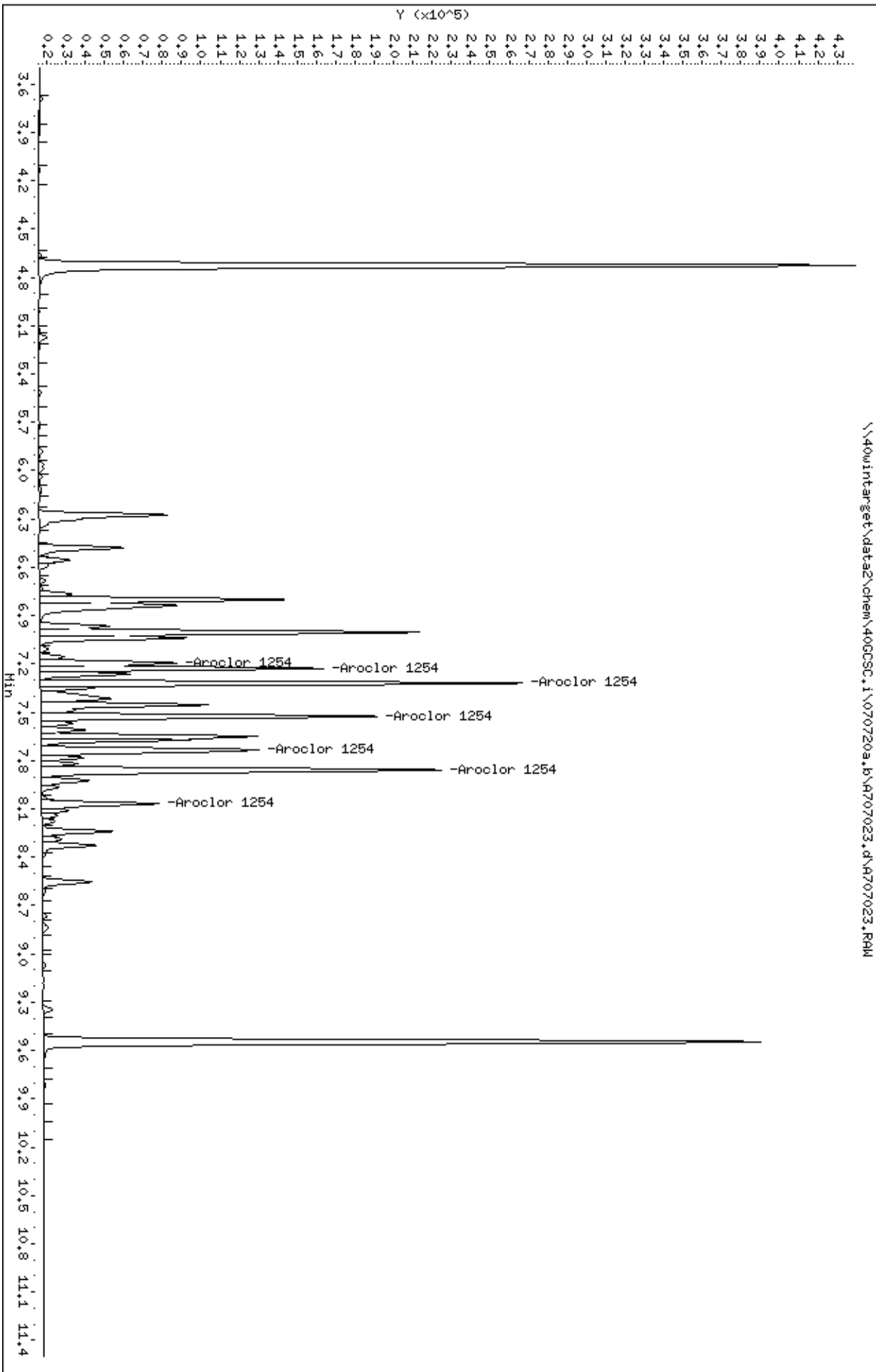
Sample Info: 1254-CAL4C,254121:1

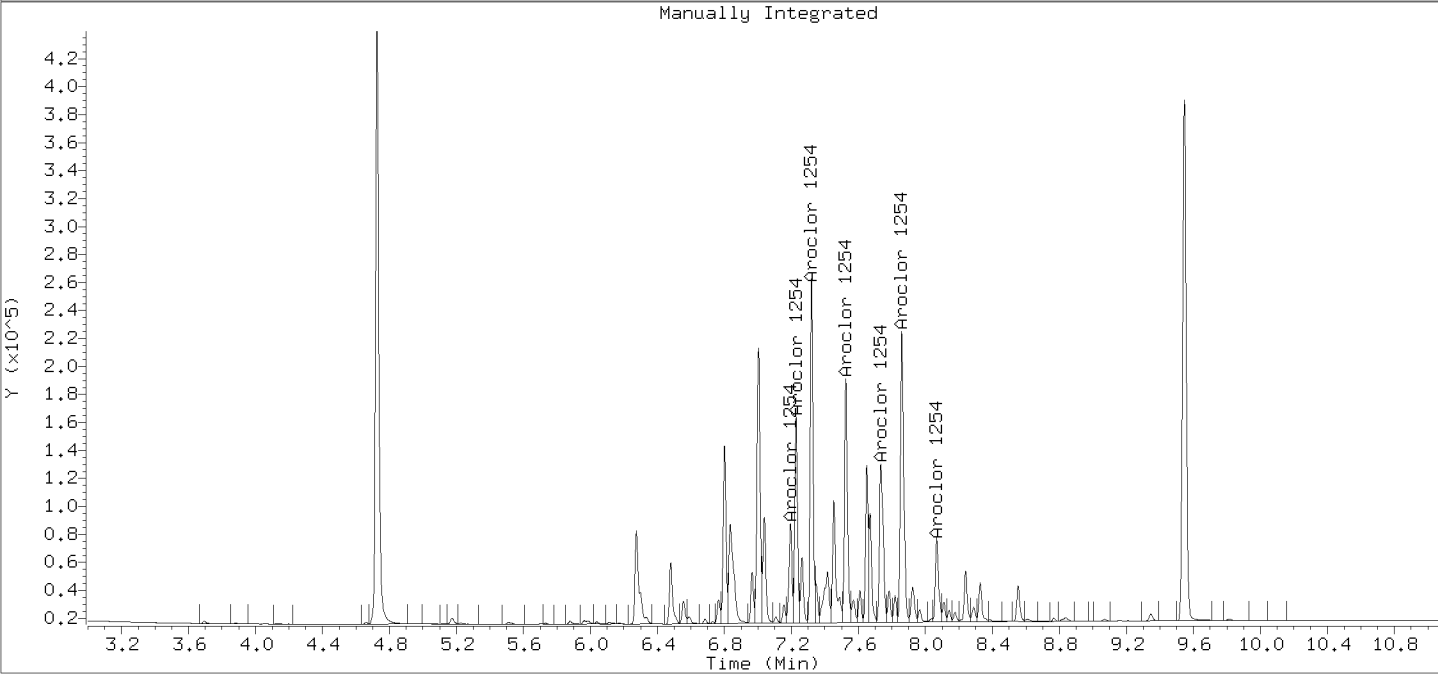
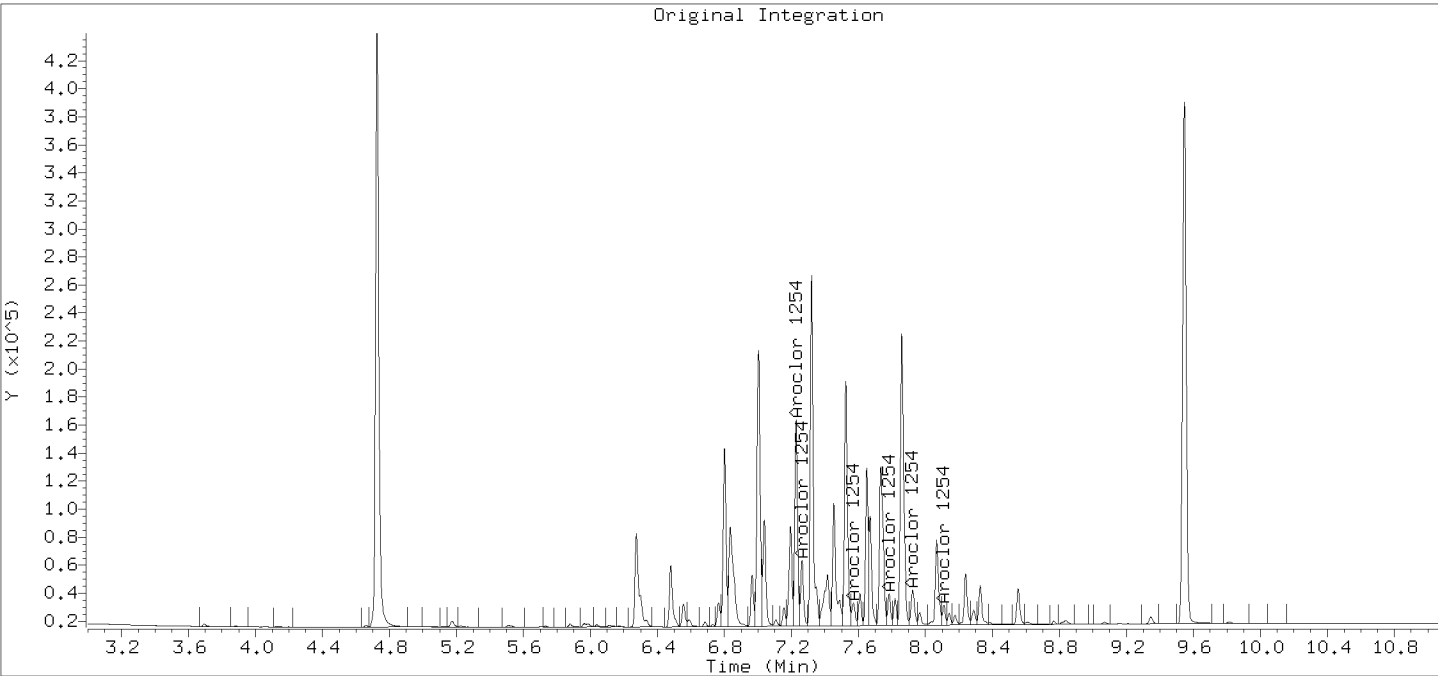
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO
Aroclor 1254	169052	88400	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707023.d
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 07-JUL-2020 19:34
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal4c,254121:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	2360	2169	0.919	0.06		
3.793	1030	886	0.860	0.02		
3.858	519	406	0.782	0.01		
4.660	517119	432133	0.836	13.34		
4.725	4728	2196	0.464	0.12		
4.973	443	232	0.524	0.01		
5.072	6582	5045	0.766	0.16		
5.180	1046	756	0.723	0.02		
5.237	1277	1022	0.800	0.03		
5.600	2673	1384	0.518	0.06		
5.810	669	601	0.898	0.01		
5.847	930	793	0.853	0.02		
5.907	3132	2535	0.809	0.08		
6.025	6345	3053	0.481	0.16		
6.162	3909	2375	0.608	0.10		
6.260	1509	1207	0.800	0.03		
6.292	931	826	0.888	0.02		
6.335	73450	66302	0.903	1.89		
6.377	22355	19396	0.868	0.57		
6.410	5690	3717	0.653	0.14		
6.475	1138	751	0.660	0.02		
6.572	47819	42962	0.898	1.23		
6.608	4990	3888	0.779	0.12		
6.677	23490	18991	0.808	0.60		
6.740	1222	974	0.797	0.03		
6.800	5156	4853	0.941	0.13		
6.828	21643	18763	0.867	0.55		
6.878	78243	70398	0.900	2.01		
6.915	152072	136252	0.896	3.92		
6.978	24925	22607	0.907	0.64		
7.008	38895	35060	0.901	1.00		
7.055	167511	154656	0.923	4.32		
7.105	90240	79647	0.883	2.32		
7.138	65757	53744	0.817	1.69		
7.233	14446	12901	0.893	0.37		
7.278	74280	63529	0.855	1.91	16 Aroclor 1254	BA
7.323	146567	132950	0.907	3.78	16 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.370	48479	45449	0.937	1.25	
7.410	298339	247367	0.829	7.69	16 Aroclor 1254
7.485	41149	22308	0.542	1.06	
7.548	136447	101729	0.746	3.52	
7.568	203784	178202	0.874	5.25	16 Aroclor 1254
7.647	38487	28797	0.748	0.99	
7.690	124134	106109	0.855	3.20	
7.808	105373	110141	1.045	2.71	
7.823	127958	120705	0.943	3.30	16 Aroclor 1254
7.870	24630	21236	0.862	0.63	
7.903	19250	18158	0.943	0.49	
7.947	258564	190621	0.737	6.67	16 Aroclor 1254
8.022	29821	19746	0.662	0.76	
8.043	12535	9682	0.772	0.32	
8.105	14409	10807	0.750	0.37	
8.202	73335	56634	0.772	1.89	16 Aroclor 1254
8.270	8541	7405	0.867	0.22	
8.313	50209	40542	0.807	1.29	
8.387	39812	28243	0.709	1.02	
8.443	2261	1244	0.550	0.05	
8.683	29645	20123	0.679	0.76	
8.872	1685	1237	0.734	0.04	
8.932	2631	2100	0.798	0.06	
9.018	3491	2084	0.597	0.09	
9.175	1428	1142	0.800	0.03	
9.513	7884	4371	0.554	0.20	
9.817	555993	354798	0.638	14.65	
	3875368	3150940		100.000	

Total unknown % area = 70

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707023.d
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 07-JUL-2020 19:34
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal4c,254121:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.278	7.278	0.000	74280	0.80000	0.77	0.00-	20.00	100.00 (M)	BA
7.323	7.322	0.001	146566	0.80000	0.79	0.00-	20.00	197.32	BA
7.410	7.409	0.001	298339	0.80000	0.78	0.00-	20.00	401.64	BA
7.568	7.568	0.000	203783	0.80000	0.77	0.00-	20.00	274.34	BA
7.823	7.822	0.001	127958	0.80000	0.78	0.00-	20.00	172.26	BA
7.946	7.947	-0.001	258564	0.80000	0.78	0.00-	20.00	348.09	BA
8.201	8.200	0.001	73334	0.80000	0.78	0.00-	20.00	98.73	BA
Average of Peak Amounts =					0.77857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 19:34

Client ID: 1254-CAL4C

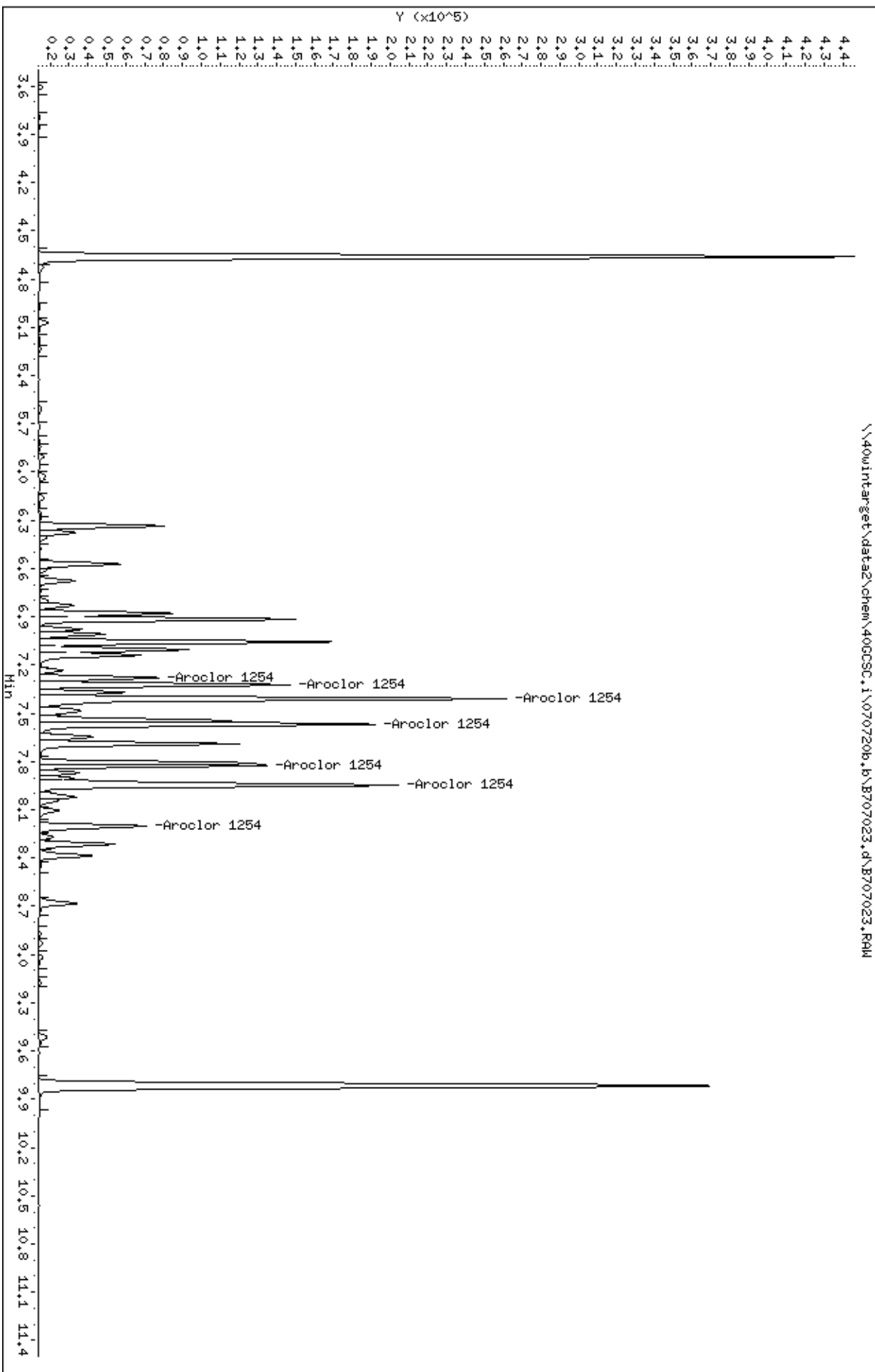
Sample Info: 1254-CAL4C,254121:1

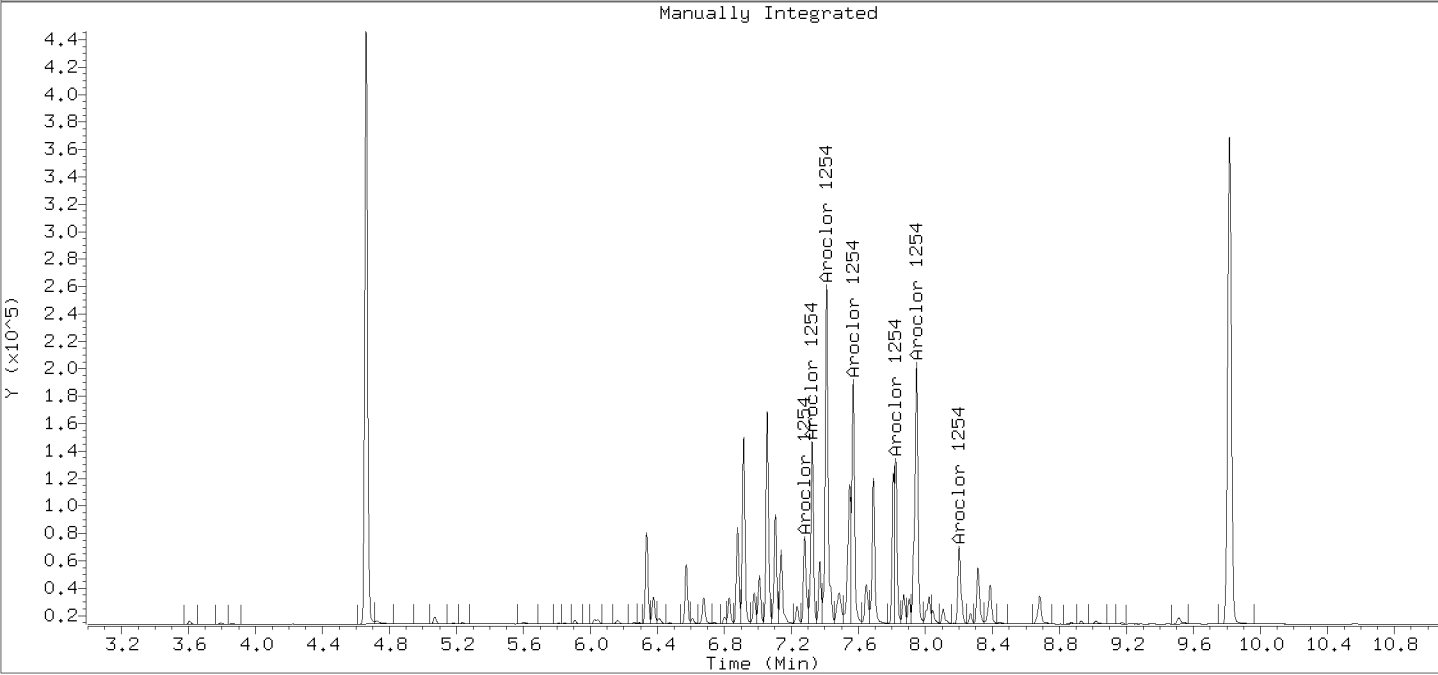
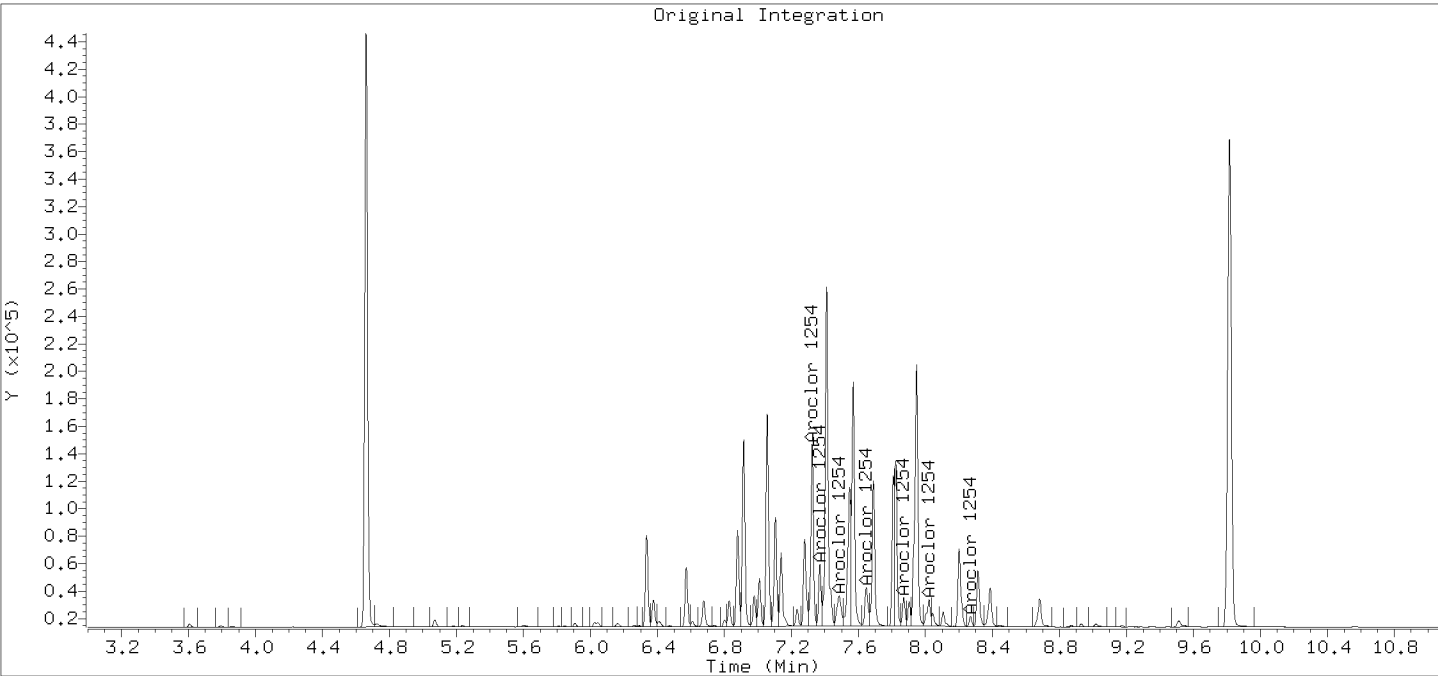
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA
Aroclor 1254	144815	74280	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707024.d
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 07-JUL-2020 19:52
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal5c,254122:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.038	505	156	0.309	0.00		
3.693	3724	2502	0.672	0.06		
3.883	1416	899	0.635	0.02		
4.132	575	352	0.612	0.01		
4.660	2392	1976	0.826	0.04		
4.725	865345	617740	0.714	15.95		
5.012	2697	498	0.185	0.04		
5.125	1376	780	0.567	0.02		
5.172	9787	6006	0.614	0.17		
5.225	2927	1268	0.433	0.05		
5.512	3495	1548	0.443	0.06		
5.732	970	733	0.756	0.01		
5.878	4972	3234	0.650	0.08		
5.963	7398	2872	0.388	0.13		
6.038	2448	1768	0.722	0.04		
6.112	2544	1343	0.528	0.04		
6.172	965	841	0.871	0.01		
6.273	139398	81621	0.586	2.51		
6.478	72239	53311	0.738	1.30		
6.553	24859	19438	0.782	0.44		
6.588	9318	5846	0.627	0.16		
6.682	4841	4006	0.828	0.08		
6.728	1952	1782	0.913	0.03		
6.763	25676	20545	0.800	0.46		
6.800	184401	155504	0.843	3.32		
6.833	175919	87068	0.495	3.17		
6.963	49039	43578	0.889	0.88		
7.002	315173	238602	0.757	5.68		
7.037	117461	93237	0.794	2.11		
7.107	7229	5522	0.764	0.13		
7.153	18243	15666	0.859	0.32		
7.193	107344	87794	0.818	1.93	16 Aroclor 1254	CO
7.227	206355	178266	0.864	3.71	16 Aroclor 1254	CO
7.262	69513	57485	0.827	1.25		
7.318	350445	305802	0.873	6.31	16 Aroclor 1254	CO
7.347	33910	33651	0.992	0.61		
7.413	96984	43752	0.451	1.74		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.452	158665	105769	0.667	2.85	
7.523	264780	214185	0.809	4.77	16 Aroclor 1254
7.568	27967	19849	0.710	0.50	
7.608	32182	27699	0.861	0.58	
7.648	147862	136007	0.920	2.66	
7.668	111721	94449	0.845	2.01	
7.732	218320	140153	0.642	3.93	16 Aroclor 1254
7.782	31889	27238	0.854	0.57	
7.817	26831	23247	0.866	0.48	
7.857	354396	252875	0.714	6.38	16 Aroclor 1254
7.922	45623	30973	0.679	0.82	
7.963	13981	10732	0.768	0.25	
8.033	3533	2800	0.793	0.06	
8.065	100540	75424	0.750	1.81	16 Aroclor 1254
8.108	20757	16880	0.813	0.37	
8.140	12088	10190	0.843	0.21	
8.175	10633	8375	0.788	0.19	
8.238	57659	45086	0.782	1.03	
8.287	18216	12661	0.695	0.32	
8.325	45155	34649	0.767	0.81	
8.383	2875	1614	0.561	0.05	
8.483	546	254	0.465	0.00	
8.552	40921	31646	0.773	0.73	
8.608	3975	1761	0.443	0.07	
8.687	1037	374	0.361	0.01	
8.765	4159	3342	0.804	0.07	
8.837	7460	3640	0.488	0.13	
9.068	2105	1497	0.711	0.03	
9.345	10321	6883	0.667	0.18	
9.545	842801	533371	0.633	15.19	
9.812	2590	1638	0.632	0.04	
10.098	729	370	0.507	0.01	
10.300	799	307	0.384	0.01	
11.038	904	266	0.294	0.01	
	5547857	4053196		100.000	

Total unknown % area = 71

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707024.d
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 07-JUL-2020 19:52
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal5c,254122:1
Misc Info : 21329,NSAR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.193	7.193	0.000	107344	1.00000	0.95	0.00-	20.00	100.00 (M)	CO
7.226	7.227	-0.001	206354	1.00000	0.96	0.00-	20.00	192.24	CO
7.318	7.320	-0.002	350445	1.00000	0.96	0.00-	20.00	326.47	CO
7.523	7.524	-0.001	264780	1.00000	0.94	0.00-	20.00	246.66	CO
7.731	7.733	-0.002	218319	1.00000	0.98	0.00-	20.00	203.38	CO
7.856	7.858	-0.002	354395	1.00000	0.95	0.00-	20.00	330.15	CO
8.065	8.066	-0.001	100539	1.00000	0.95	0.00-	20.00	93.66	CO
Average of Peak Amounts =					0.95571				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 19:52

Client ID: 1254-CALSC

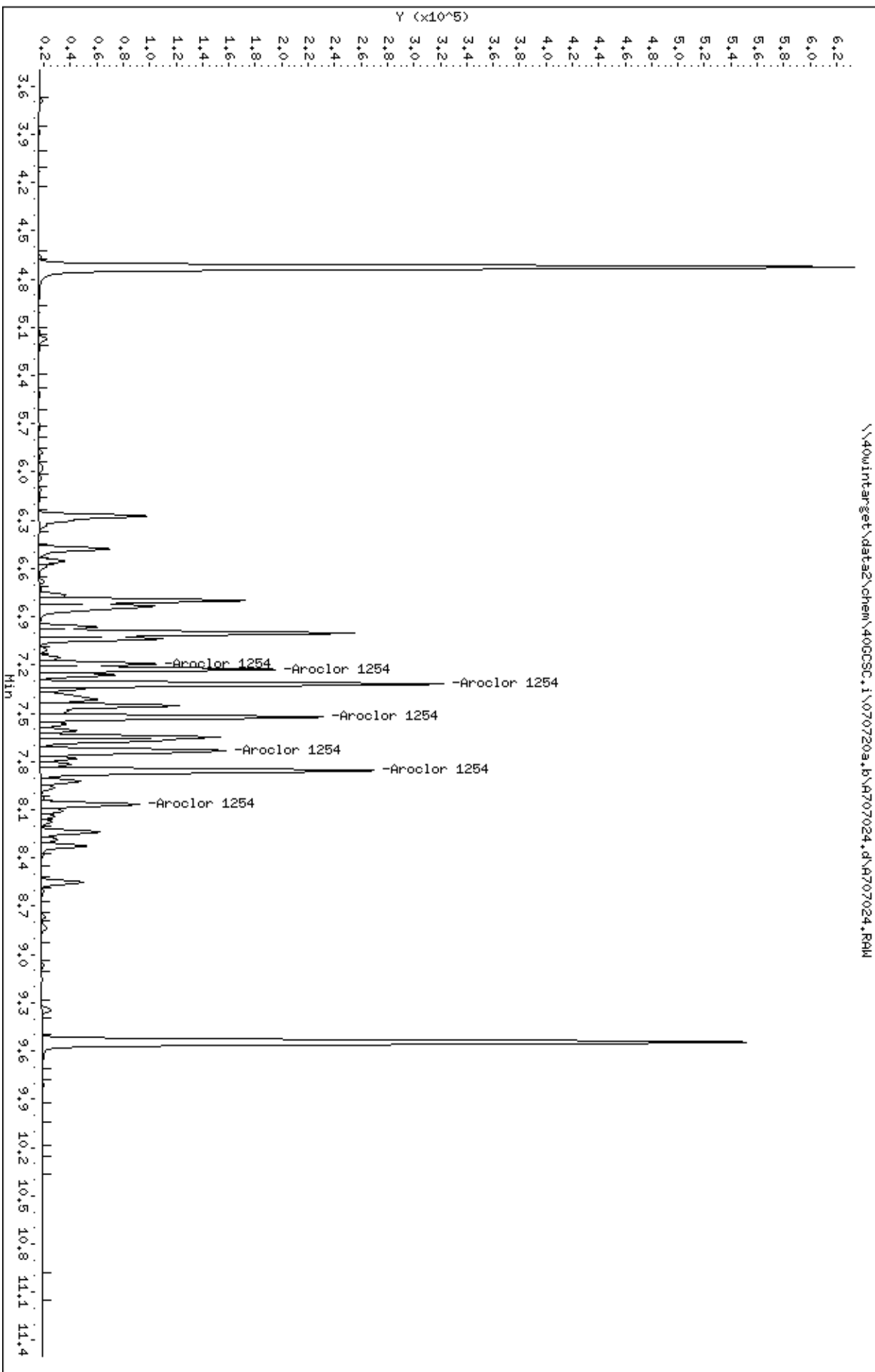
Sample Info: 1254-CALSC,254122:1

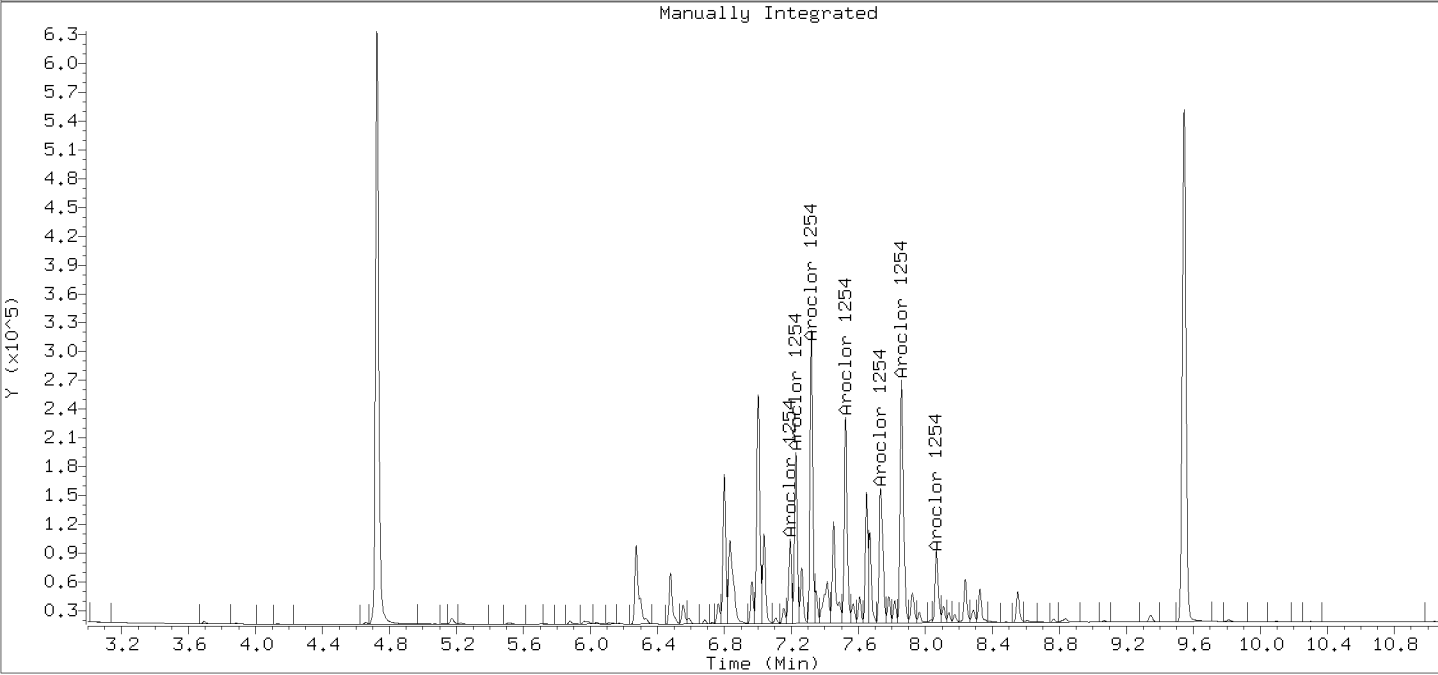
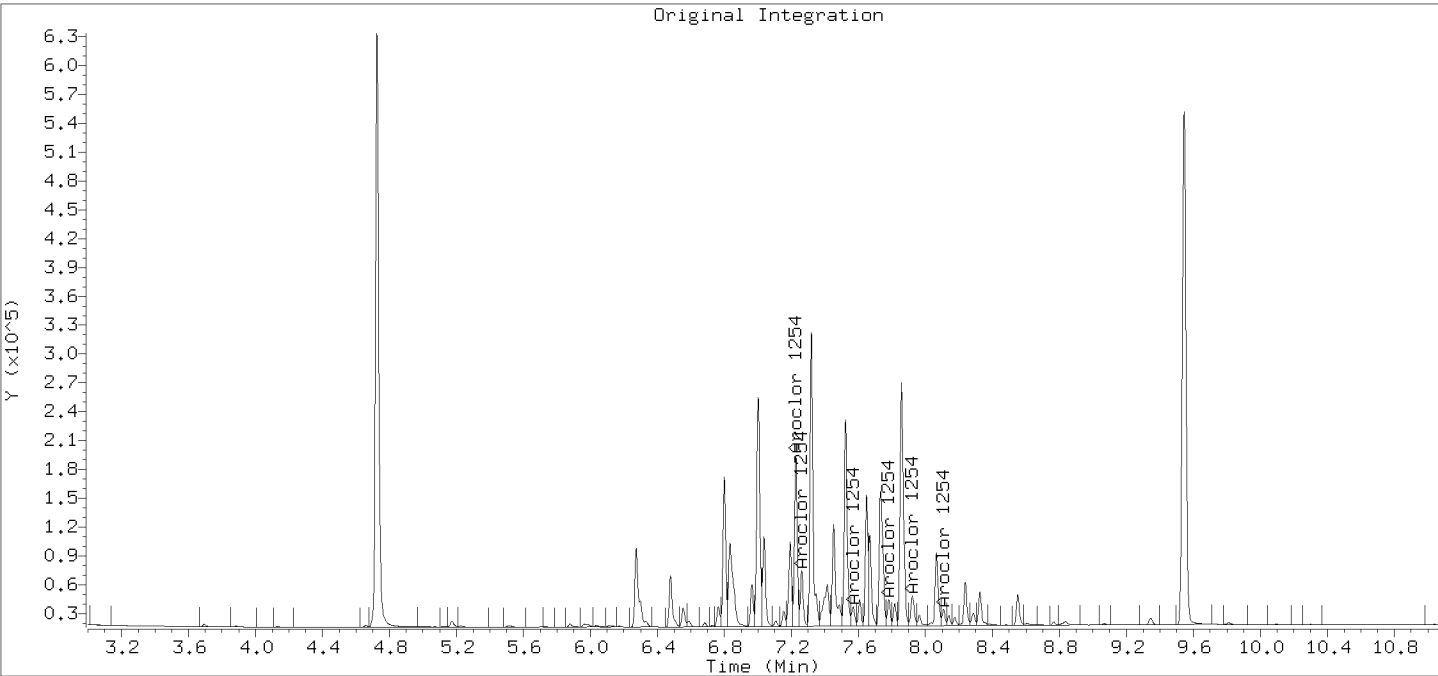
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO
Aroclor 1254	204602	107344	CO

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707024.d
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 07-JUL-2020 19:52
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal5c,254122:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	3415	3029	0.887	0.06		
3.793	1408	1189	0.844	0.02		
3.857	473	390	0.824	0.00		
4.660	732322	603553	0.824	14.74		
4.725	7214	3175	0.440	0.14		
4.970	509	305	0.599	0.01		
5.070	9447	7164	0.758	0.19		
5.180	1315	905	0.688	0.02		
5.235	1870	1432	0.766	0.03		
5.598	3104	1651	0.532	0.06		
5.808	680	674	0.992	0.01		
5.845	990	895	0.904	0.01		
5.905	4446	3672	0.826	0.08		
6.023	7696	3696	0.480	0.15		
6.160	4067	2777	0.683	0.08		
6.258	1942	1484	0.764	0.03		
6.290	1295	1083	0.836	0.02		
6.333	88652	79543	0.897	1.78		
6.373	27609	24025	0.870	0.55		
6.407	6926	4656	0.672	0.13		
6.472	1524	1015	0.666	0.03		
6.570	57586	53100	0.922	1.15		
6.607	6096	4668	0.766	0.12		
6.675	28578	23420	0.820	0.57		
6.738	1478	1174	0.794	0.02		
6.798	6418	5926	0.923	0.12		
6.827	26090	22764	0.873	0.52		
6.875	94451	86316	0.914	1.90		
6.912	183906	163271	0.888	3.70		
6.975	29891	27479	0.919	0.60		
7.007	47527	42935	0.903	0.95		
7.053	202845	188031	0.927	4.08		
7.102	108844	97953	0.900	2.19		
7.135	80032	64145	0.801	1.61		
7.232	17458	15623	0.895	0.35		
7.277	89455	76174	0.852	1.80	16 Aroclor 1254	BA
7.322	179429	162502	0.906	3.61	16 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.367	59664	54868	0.920	1.20	
7.408	360474	298540	0.828	7.25	16 Aroclor 1254
7.482	50038	27644	0.552	1.00	
7.545	161104	122992	0.763	3.24	
7.567	253432	217638	0.859	5.10	16 Aroclor 1254
7.645	46869	34651	0.739	0.94	
7.688	150721	130627	0.867	3.03	
7.807	122737	136125	1.109	2.47	
7.820	162875	151127	0.928	3.27	16 Aroclor 1254
7.868	29734	26807	0.902	0.59	
7.900	23355	21861	0.936	0.47	
7.945	317708	230175	0.724	6.39	16 Aroclor 1254
8.020	36957	24592	0.665	0.74	
8.042	14760	11730	0.795	0.29	
8.103	17567	13402	0.763	0.35	
8.198	90019	69796	0.775	1.81	16 Aroclor 1254
8.267	10478	9120	0.870	0.21	
8.312	62094	49703	0.800	1.24	
8.383	48489	34123	0.704	0.97	
8.438	2832	1561	0.551	0.05	
8.678	38488	25148	0.653	0.77	
8.868	2266	1543	0.681	0.04	
8.927	4198	3226	0.768	0.08	
9.015	5253	3174	0.604	0.10	
9.170	1669	1376	0.824	0.03	
9.510	9555	6557	0.686	0.19	
9.543	3230	1968	0.609	0.06	
9.612	971	397	0.409	0.01	
9.698	694	191	0.275	0.01	
9.812	811818	509354	0.627	16.66	
10.562	602	307	0.510	0.01	
	4967636	4002117		100.000	

Total unknown % area = 71

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707024.d
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 07-JUL-2020 19:52
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-cal5c,254122:1
Misc Info : 21329,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Aroclor 1254					CAS #: 11097-69-1				
7.276	7.278	-0.002	89454	1.00000	0.93	0.00-	20.00	100.00 (M)	BA
7.321	7.322	-0.001	179428	1.00000	0.96	0.00-	20.00	200.58	BA
7.408	7.409	-0.001	360473	1.00000	0.95	0.00-	20.00	402.97	BA
7.566	7.568	-0.002	253431	1.00000	0.96	0.00-	20.00	283.31	BA
7.820	7.822	-0.002	162874	1.00000	0.99	0.00-	20.00	182.08	BA
7.945	7.947	-0.002	317708	1.00000	0.96	0.00-	20.00	355.16	BA
8.198	8.200	-0.002	90018	1.00000	0.96	0.00-	20.00	100.63	BA
Average of Peak Amounts =					0.95857				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 19:52

Client ID: 1254-CALSC

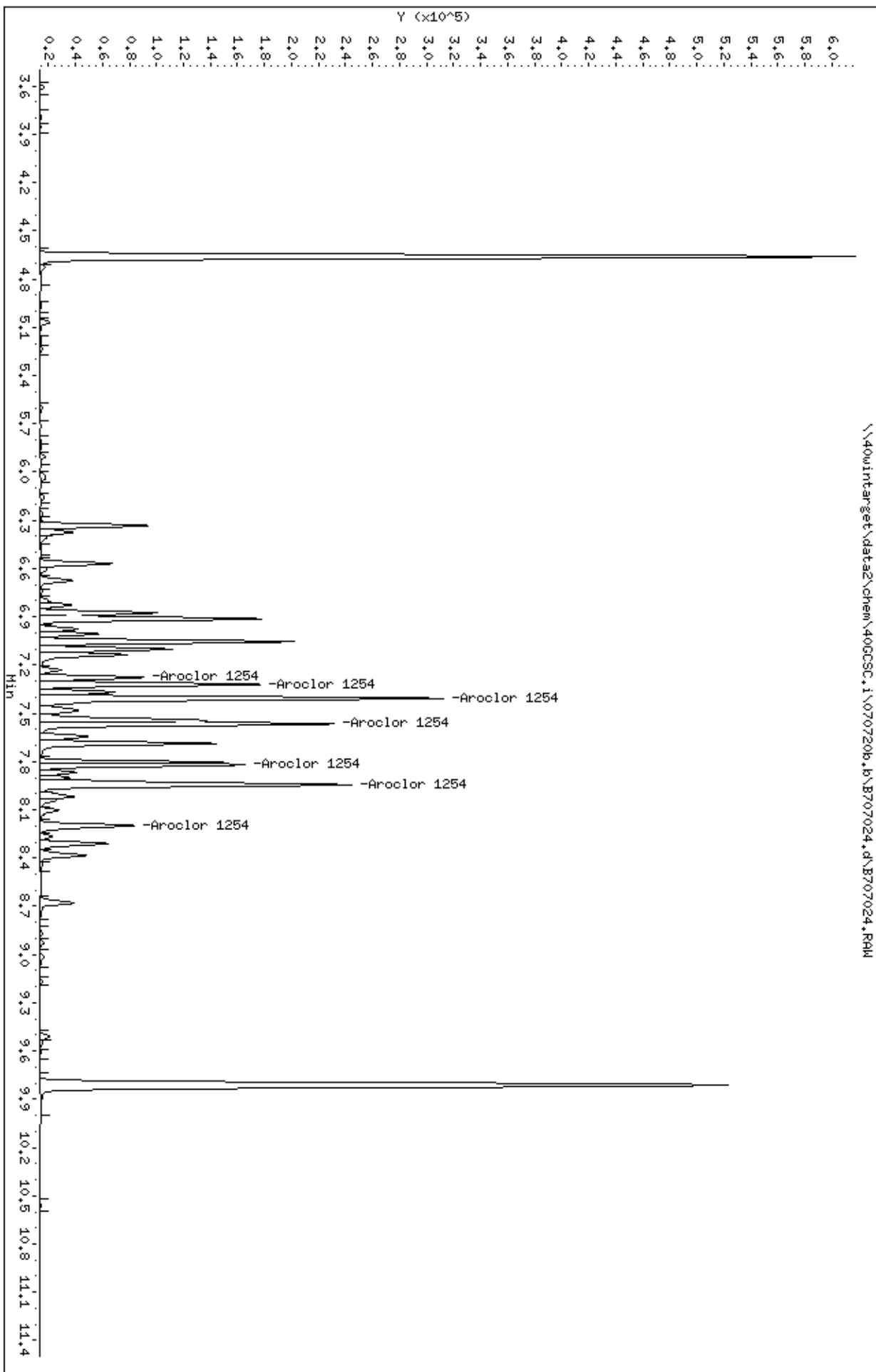
Sample Info: 1254-CALSC,254122:1

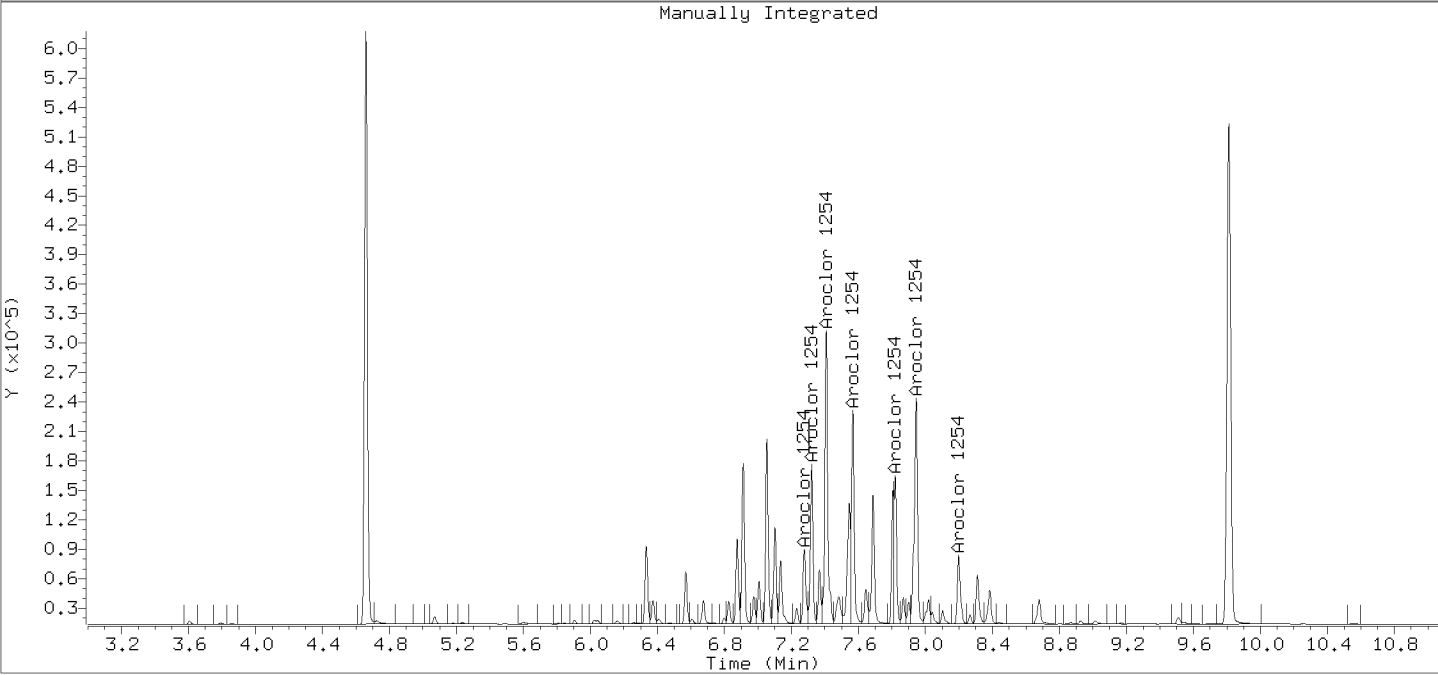
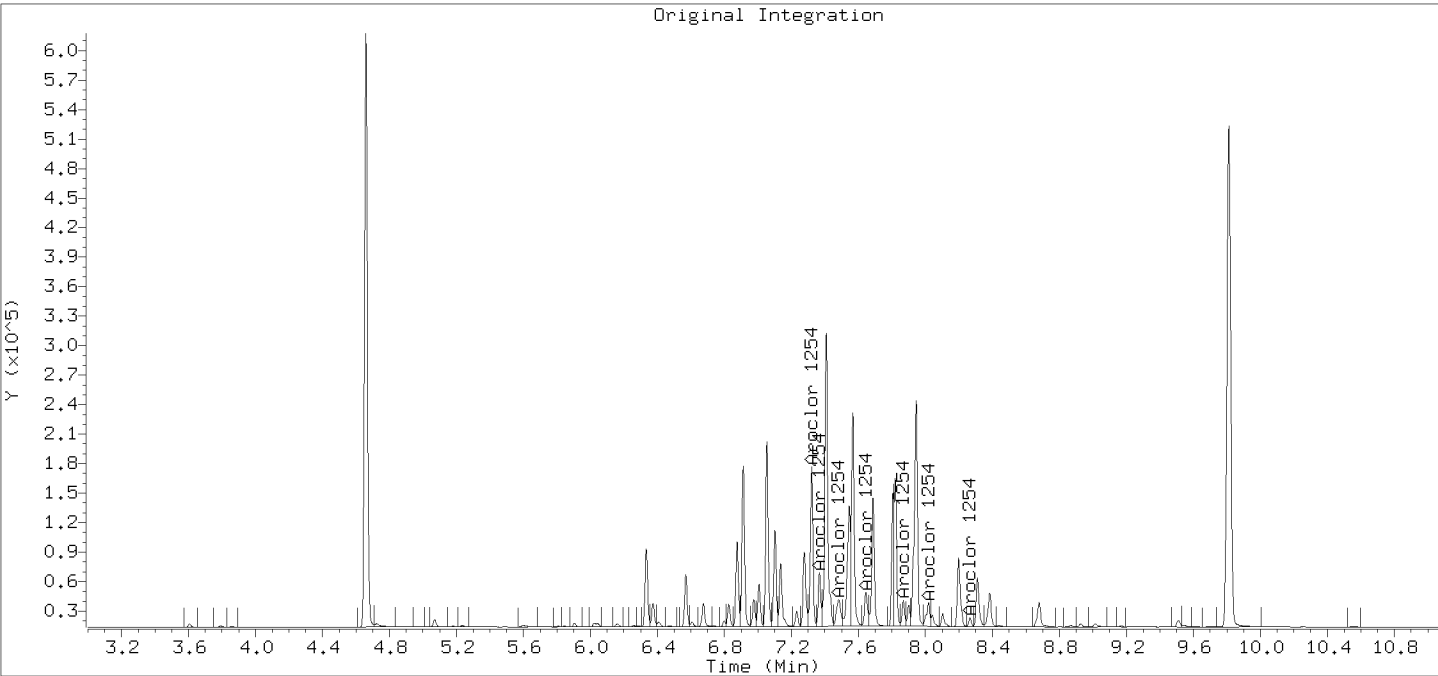
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA
Aroclor 1254	177357	89454	BA

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707026.d
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 07-JUL-2020 20:28
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-call1a,254169:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.165	8064	1133	0.141	1.30		
4.392	1868	592	0.317	0.30		
4.520	1178	382	0.324	0.19		
4.727	57720	38261	0.663	9.36	\$ 2 Tetrachloro-m-xylene	BA
4.908	1006	542	0.539	0.16		
5.037	2371	1338	0.564	0.38		
5.077	2067	1046	0.506	0.33		
5.127	5339	3012	0.564	0.86	7 Aroclor 1016	CO
5.172	1860	834	0.448	0.30		
5.268	686	445	0.649	0.11		
5.333	658	304	0.462	0.10		
5.512	10890	5217	0.479	1.76		
5.570	1432	713	0.498	0.23		
5.642	935	593	0.634	0.15		
5.705	2871	2244	0.782	0.46		
5.732	4861	3239	0.666	0.78	7 Aroclor 1016	CO
5.835	1735	886	0.511	0.28		
5.910	3023	1567	0.518	0.49		
5.963	8455	7147	0.845	1.37	7 Aroclor 1016	CO
5.985	15522	9539	0.615	2.51	7 Aroclor 1016	CO
6.038	1817	1254	0.690	0.29		
6.070	1475	932	0.632	0.23		
6.112	12027	5793	0.482	1.95		
6.172	8241	4700	0.570	1.33	7 Aroclor 1016	CO
6.275	13882	5200	0.375	2.25		
6.335	5511	3102	0.563	0.89		
6.480	8109	5974	0.737	1.31	7 Aroclor 1016	CO
6.503	4011	3077	0.767	0.65		
6.555	4121	3253	0.789	0.66	7 Aroclor 1016	CO
6.588	5116	2962	0.579	0.82		
6.688	2932	1593	0.543	0.47		
6.777	903	739	0.818	0.14		
6.800	6072	4195	0.691	0.98		
6.833	1928	1369	0.710	0.31		
6.880	3498	1834	0.524	0.56		
6.965	856	725	0.847	0.13		
7.005	5290	4784	0.904	0.85		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.027	12478	8397	0.673	2.02	
7.193	926	705	0.762	0.15	
7.225	4839	3803	0.786	0.78	
7.320	3560	3019	0.848	0.57	
7.348	7825	6314	0.807	1.26	
7.397	9915	3169	0.320	1.60	
7.453	15489	12398	0.800	2.51	28 Aroclor 1260
7.528	5682	2839	0.500	0.92	
7.608	2177	2166	0.995	0.35	
7.650	22484	15258	0.679	3.64	28 Aroclor 1260
7.692	5082	4252	0.837	0.82	
7.745	9545	8224	0.862	1.54	
7.815	1987	1007	0.507	0.32	
7.858	24782	15748	0.635	4.02	
7.930	15227	12696	0.834	2.47	28 Aroclor 1260
7.965	7776	6792	0.873	1.26	
8.010	3148	2669	0.848	0.51	
8.032	3050	2568	0.842	0.49	
8.065	3050	2101	0.689	0.49	
8.108	13798	11990	0.869	2.23	28 Aroclor 1260
8.140	7318	5969	0.816	1.18	
8.177	4703	3291	0.700	0.76	
8.228	4183	2046	0.489	0.67	
8.268	2463	1834	0.745	0.39	
8.278	3176	2555	0.804	0.51	
8.325	31464	25832	0.821	5.10	28 Aroclor 1260
8.357	2883	1802	0.625	0.46	
8.440	727	382	0.525	0.11	
8.485	1760	1308	0.743	0.28	
8.552	23598	12582	0.533	3.82	
8.607	10675	6522	0.611	1.73	
8.687	5962	2282	0.383	0.96	
8.767	1823	1440	0.790	0.29	
8.817	326	508	1.560	0.05	
8.850	6357	3314	0.521	1.03	28 Aroclor 1260
8.900	440	169	0.384	0.07	
8.992	532	207	0.389	0.08	
9.068	9878	7057	0.714	1.60	28 Aroclor 1260
9.147	6990	2350	0.336	1.13	
9.288	480	166	0.346	0.07	
9.345	4474	3050	0.682	0.72	
9.408	116	111	0.953	0.01	
9.547	65827	40831	0.620	11.10	\$ 42 Decachlorobiphenyl
9.672	7563	2444	0.323	1.22	
9.813	621	208	0.335	0.10	
10.287	10591	2676	0.253	1.71	
11.025	10280	2483	0.242	1.66	
	616357	390054		100.000	

Total unknown % area = 52

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707026.d
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 07-JUL-2020 20:28
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-call1a,254169:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: A707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	57720	0.01000	0.0099			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.126	5.125	0.001	5338	0.05000	0.055	0.00-	20.00	100.00 (M)	CO
5.731	5.731	0.000	4860	0.05000	0.052	0.00-	20.00	91.05	CO
5.963	5.962	0.001	8455	0.05000	0.049	0.00-	20.00	158.39	CO
5.985	5.984	0.001	15522	0.05000	0.051	0.00-	20.00	290.78	CO
6.171	6.171	0.000	8241	0.05000	0.059	0.00-	20.00	154.38	CO
6.480	6.479	0.001	8109	0.05000	0.055	0.00-	20.00	151.91	CO
6.555	6.554	0.001	4121	0.05000	0.051	0.00-	20.00	77.20	CO
Average of Peak Amounts =					0.05314				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	15488	0.05000	0.060	0.00-	20.00	100.00 (M)	CO
7.650	7.649	0.001	22484	0.05000	0.055	0.00-	20.00	145.17	CO
7.930	7.930	0.000	15226	0.05000	0.057	0.00-	20.00	98.31	CO
8.108	8.108	0.000	13797	0.05000	0.053	0.00-	20.00	89.08	CO
8.325	8.325	0.000	31463	0.05000	0.051	0.00-	20.00	203.14	CO
8.850	8.850	0.000	6357	0.05000	0.060	0.00-	20.00	41.04	CO
9.068	9.068	0.000	9878	0.05000	0.051	0.00-	20.00	63.78	CO
Average of Peak Amounts =					0.05529				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.546	9.546	0.000	65826	0.01000	0.011			(M)	BA

QC Flag Legend

M - Compound response manually integrated.

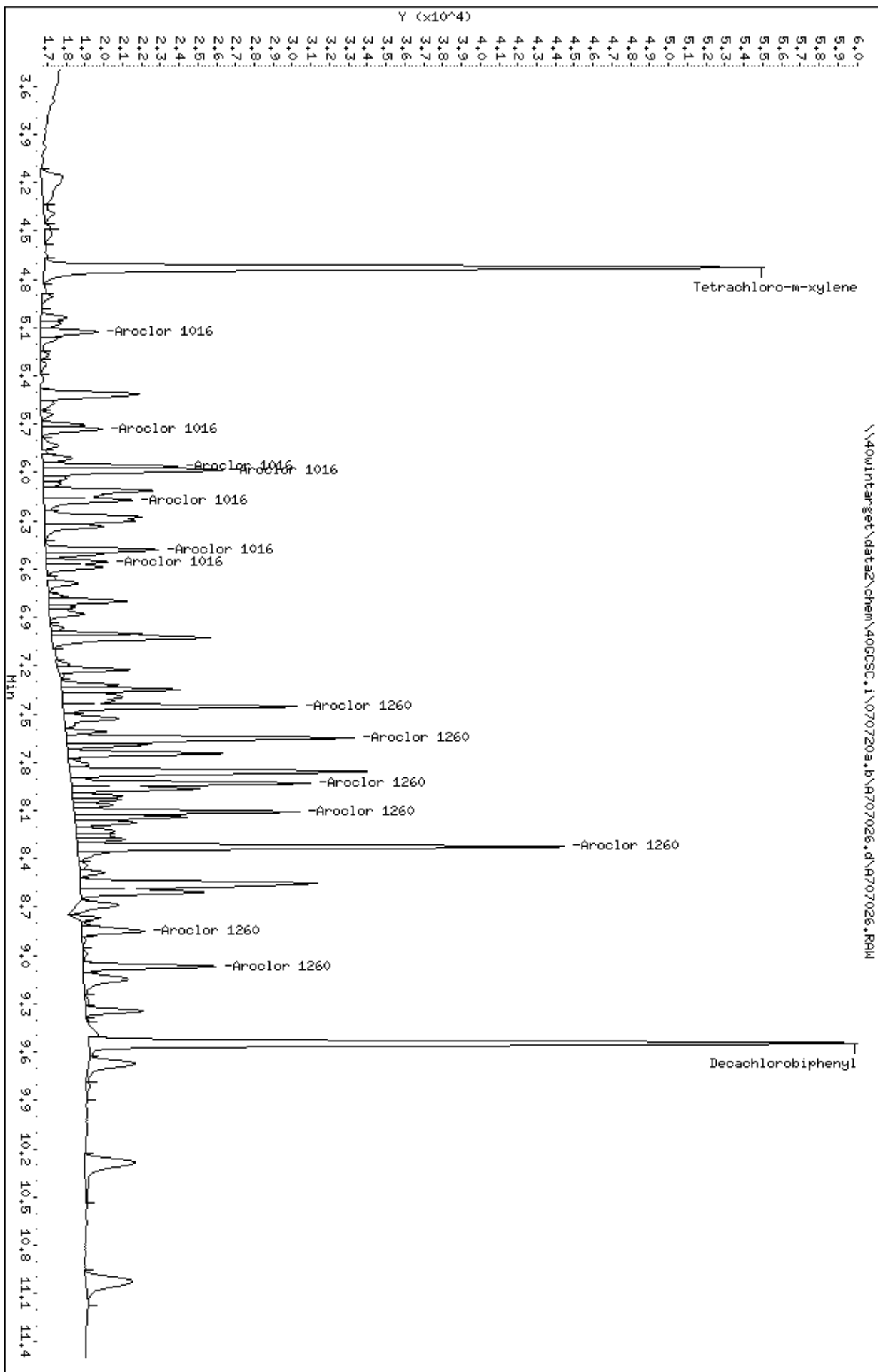
QC Flag Legend

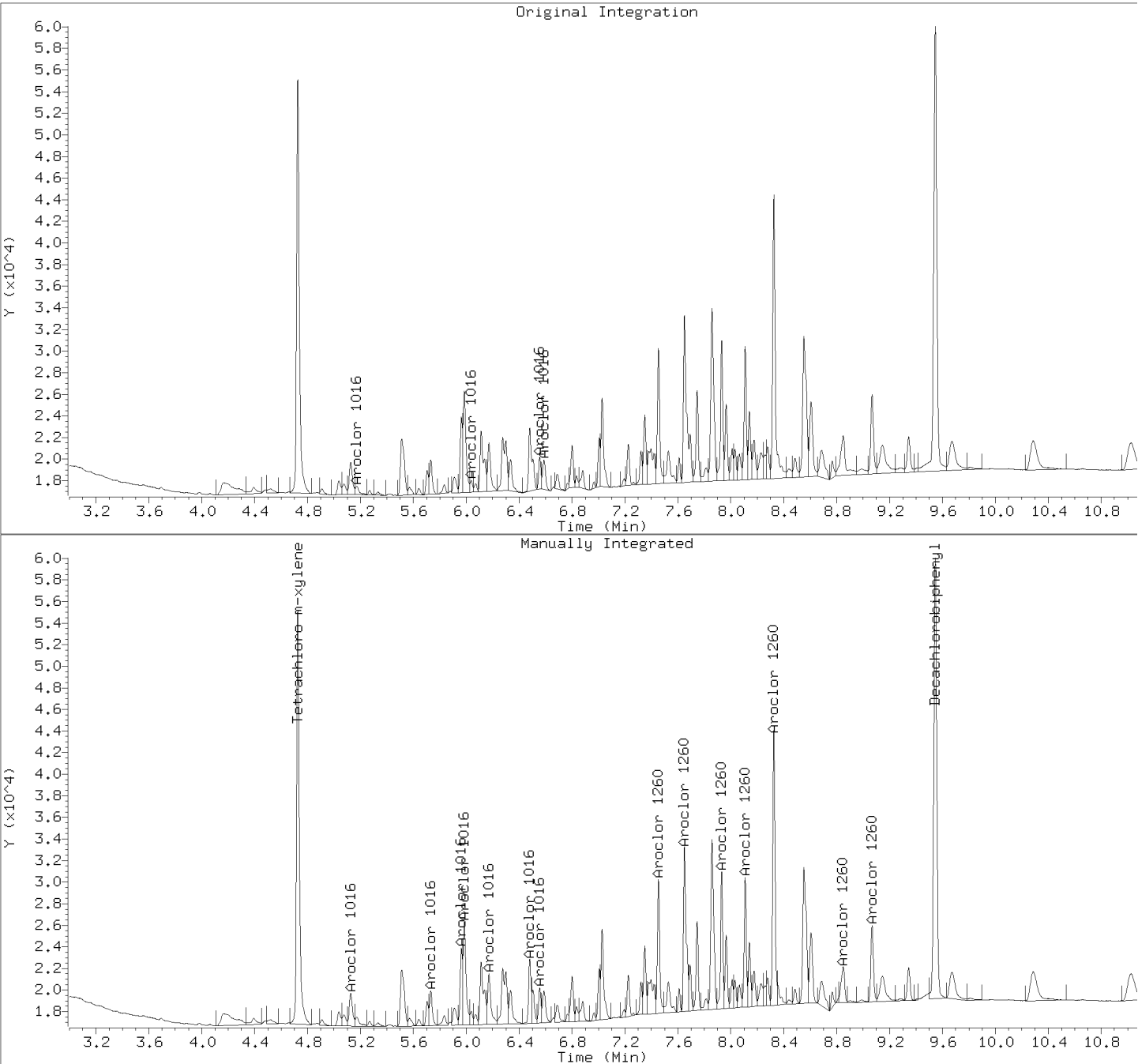
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707026.d
Date : 07-JUL-2020 20:28
Client ID: 1660-CAL1A
Sample Info: 1660-CAL1A,254169:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds			
Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1016	1581	5338	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO
Aroclor 1260	0	15488	CO

Tetrachloro-m-xylene	0	57720	BA
Decachlorobiphenyl	0	65826	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707026.d
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 07-JUL-2020 20:28
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-call1a,254169:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.810	4241	976	0.230	0.88		
4.215	1726	676	0.392	0.35		
4.365	2275	864	0.380	0.47		
4.520	1062	707	0.666	0.22		
4.660	50598	42631	0.843	10.53	\$ 2 Tetrachloro-m-xylene	BA
4.782	1671	919	0.550	0.34		
4.835	1548	813	0.525	0.32		
4.960	1087	722	0.664	0.22		
4.995	1034	617	0.597	0.21		
5.072	609	511	0.840	0.12		
5.113	847	653	0.771	0.17		
5.180	5424	3430	0.632	1.12	7 Aroclor 1016	CO
5.235	392	235	0.599	0.08		
5.423	781	556	0.712	0.16		
5.497	663	454	0.685	0.13		
5.598	9177	4860	0.530	1.91		
5.657	1371	850	0.620	0.28		
5.712	2300	901	0.392	0.47		
5.810	3470	2841	0.819	0.72		
5.845	4576	3300	0.721	0.95	7 Aroclor 1016	CO
5.903	1223	772	0.631	0.25		
5.937	4467	1755	0.393	0.93		
6.023	8677	8373	0.965	1.80	7 Aroclor 1016	CO
6.042	15108	10927	0.723	3.14	7 Aroclor 1016	CO
6.108	2820	1275	0.452	0.58		
6.165	9885	6300	0.637	2.05		
6.258	6720	5124	0.762	1.39	7 Aroclor 1016	CO
6.290	2335	1760	0.754	0.48		
6.333	6758	5147	0.762	1.40		
6.375	5543	4260	0.769	1.15		
6.412	5117	2797	0.547	1.06		
6.472	10230	7563	0.739	2.13		
6.572	7568	6356	0.840	1.57	7 Aroclor 1016	CO
6.608	3900	2421	0.621	0.81		
6.673	5857	4679	0.799	1.21	7 Aroclor 1016	CO
6.698	2083	1690	0.811	0.43		
6.800	2316	1598	0.690	0.48		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.830	3679	2749	0.747	0.76	
6.877	1907	1485	0.779	0.39	
6.913	5793	4256	0.735	1.20	
6.978	793	480	0.606	0.16	
7.008	1441	894	0.621	0.30	
7.055	4385	4126	0.941	0.91	
7.098	1764	946	0.536	0.36	
7.138	1506	785	0.521	0.31	
7.277	1818	763	0.420	0.37	
7.322	1802	1377	0.764	0.37	
7.390	2845	2217	0.779	0.59	
7.408	3558	3306	0.929	0.74	
7.432	6809	5963	0.876	1.41	
7.478	4429	2473	0.558	0.92	
7.548	13929	11137	0.800	2.90	28 Aroclor 1260
7.590	771	507	0.658	0.16	
7.642	1577	1437	0.911	0.32	
7.688	13670	12181	0.891	2.84	28 Aroclor 1260
7.805	15258	9714	0.637	3.17	
7.887	2852	1588	0.557	0.59	
7.945	19789	11681	0.590	4.12	
8.003	13386	11899	0.889	2.78	28 Aroclor 1260
8.042	6105	5010	0.821	1.27	
8.125	3028	2308	0.762	0.63	
8.213	12791	10479	0.819	2.66	28 Aroclor 1260
8.267	6414	5193	0.810	1.33	
8.308	4355	3626	0.833	0.90	
8.330	4120	2987	0.725	0.85	
8.385	16393	13508	0.824	3.41	28 Aroclor 1260
8.438	857	628	0.733	0.17	
8.500	1237	868	0.702	0.25	
8.622	638	494	0.774	0.13	
8.677	18937	10258	0.542	3.94	
8.707	9802	4971	0.507	2.04	
8.868	1604	697	0.435	0.33	
8.928	1366	1048	0.767	0.28	
9.017	2082	1544	0.742	0.43	
9.040	4505	2840	0.630	0.93	28 Aroclor 1260
9.172	5996	4438	0.740	1.24	28 Aroclor 1260
9.212	769	480	0.625	0.16	
9.510	3913	2786	0.712	0.81	
9.652	591	295	0.499	0.12	
9.812	55423	34445	0.621	11.94	\$ 42 Decachlorobiphenyl
	=====	=====	=====	=====	
	480144	341180		100.000	

Total unknown % area = 50

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707026.d
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 07-JUL-2020 20:28
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-call1a,254169:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:28 Cal File: B707026.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.660	4.660	0.000	50597	0.01000	0.010			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.180	5.179	0.001	5424	0.05000	0.060	0.00-	20.00	100.00 (M)	CO
5.845	5.844	0.001	4575	0.05000	0.057	0.00-	20.00	84.35	CO
6.023	6.022	0.001	8676	0.05000	0.052	0.00-	20.00	159.96	CO
6.041	6.041	0.000	15108	0.05000	0.056	0.00-	20.00	278.54	CO
6.258	6.258	0.000	6720	0.05000	0.059	0.00-	20.00	123.89	CO
6.571	6.570	0.001	7567	0.05000	0.056	0.00-	20.00	139.51	CO
6.673	6.673	0.000	5856	0.05000	0.054	0.00-	20.00	107.96	CO
Average of Peak Amounts =					0.05629				

28 Aroclor 1260					CAS #: 11096-82-5				
7.548	7.548	0.000	13929	0.05000	0.056	0.00-	20.00	100.00 (M)	CO
7.688	7.688	0.000	13669	0.05000	0.051	0.00-	20.00	98.13	CO
8.003	8.002	0.001	13386	0.05000	0.059	0.00-	20.00	96.10	CO
8.213	8.214	-0.001	12791	0.05000	0.054	0.00-	20.00	91.83	CO
8.385	8.384	0.001	16393	0.05000	0.035	0.00-	20.00	117.69	CO
9.040	9.040	0.000	4505	0.05000	0.059	0.00-	20.00	32.34	CO
9.171	9.171	0.000	5995	0.05000	0.039	0.00-	20.00	43.04	CO
Average of Peak Amounts =					0.05043				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	55423	0.01000	0.010				

QC Flag Legend

M - Compound response manually integrated.

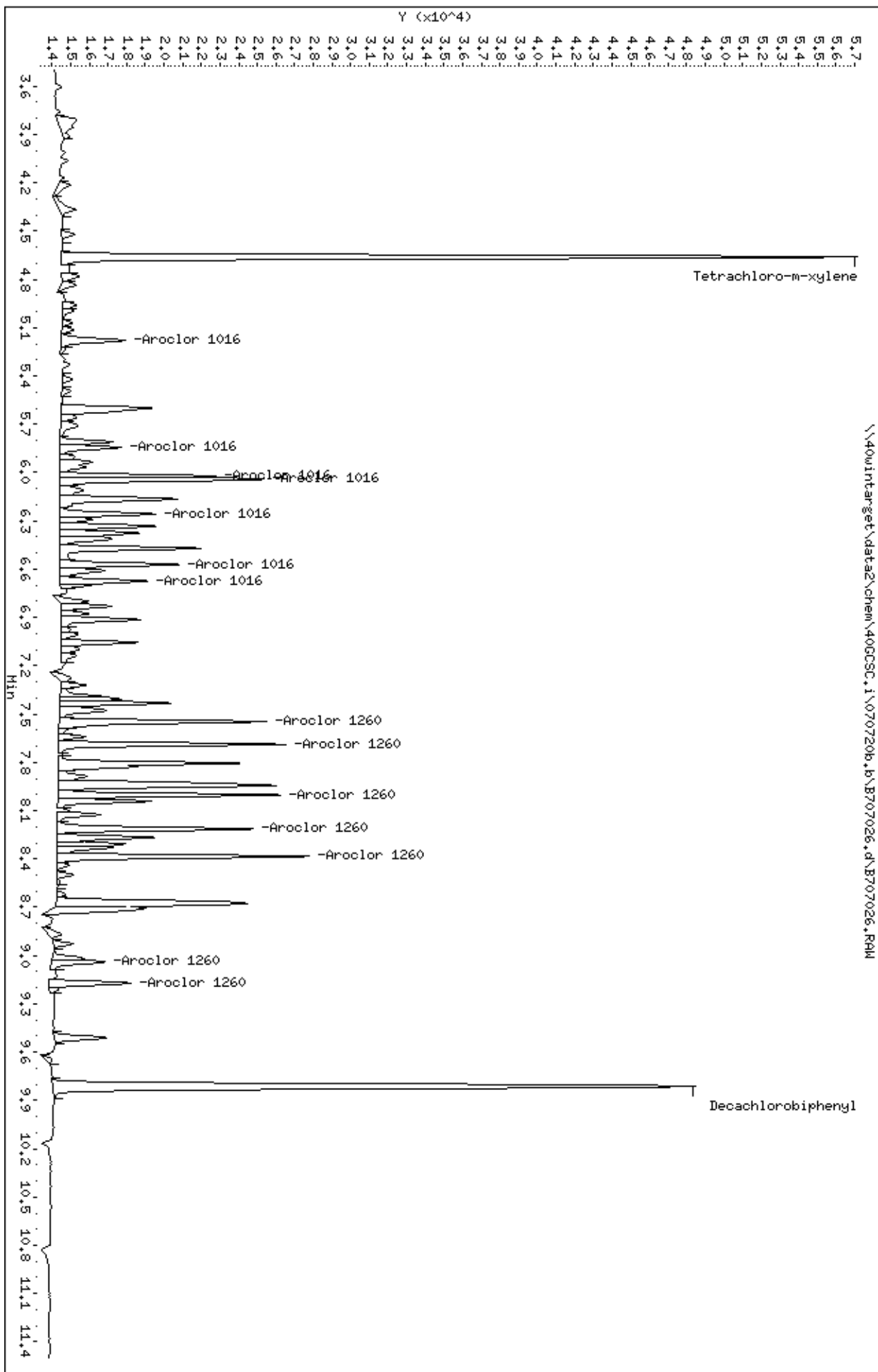
QC Flag Legend

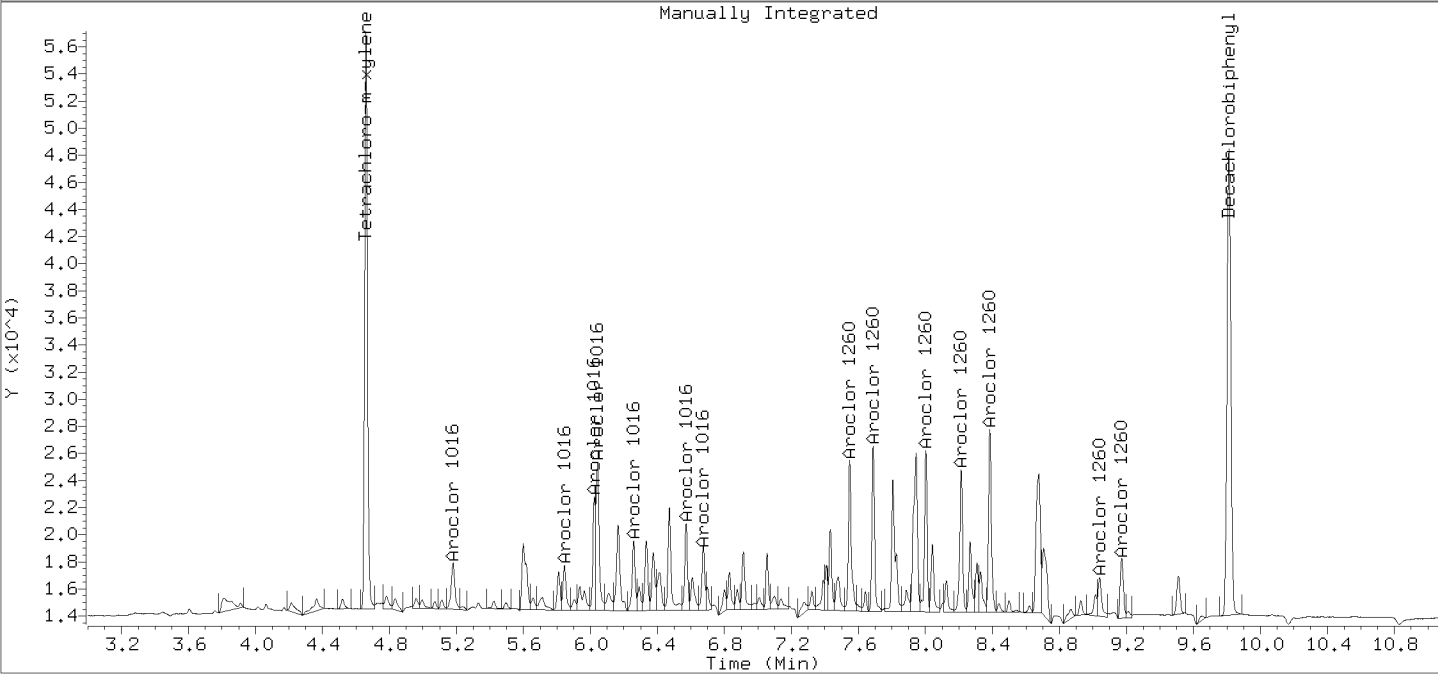
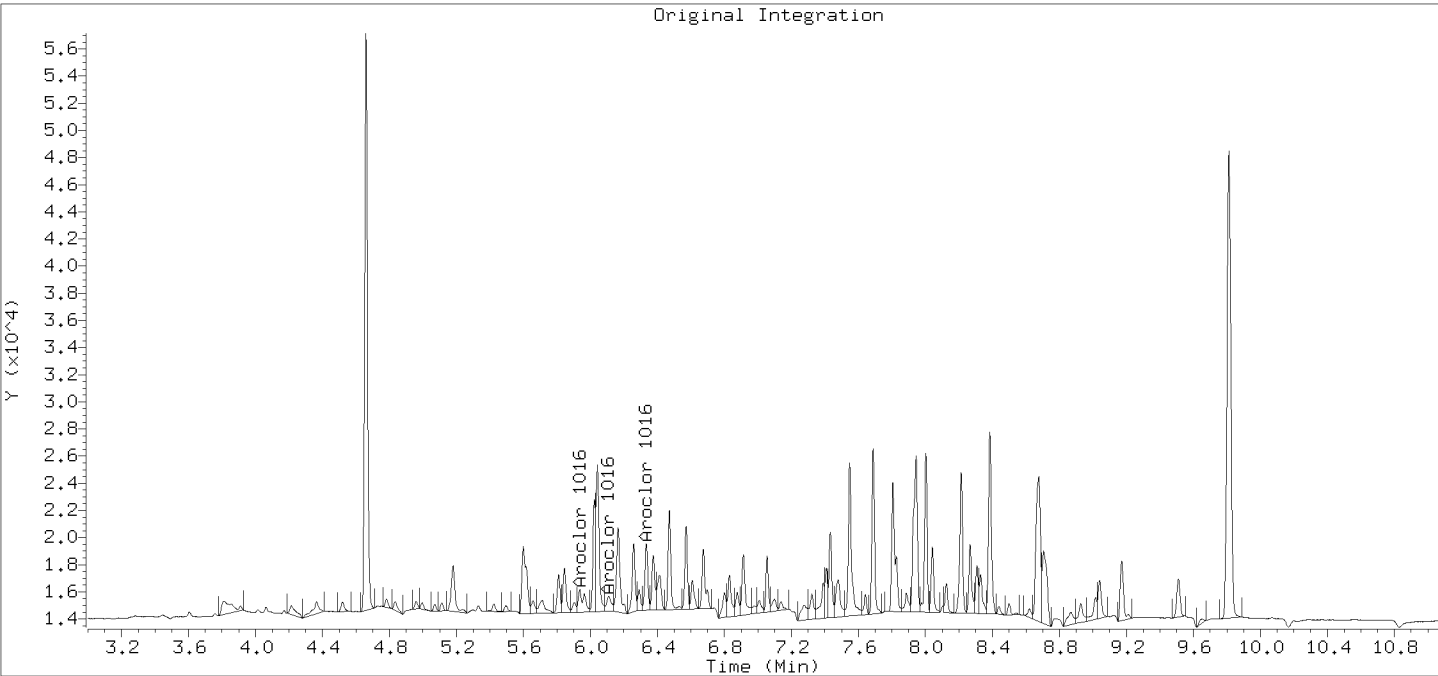
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707026.d
 Date : 07-JUL-2020 20:28
 Client ID: 1660-CAL1A
 Sample Info: 1660-CAL1A,254169:1
 Column phase: Rtx-CLP II

Instrument: 40GCSC.i
 Operator: BLH
 Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1016	0	5424	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO
Aroclor 1260	0	13929	CO

Tetrachloro-m-xylene	0	50597	BA
Decachlorobiphenyl	0	55423	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707027.d
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 07-JUL-2020 20:46
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal2a,254170:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.025	538	159	0.296	0.03		
4.133	783	402	0.514	0.04		
4.653	735	476	0.648	0.04		
4.727	114368	74784	0.654	6.60	\$ 2 Tetrachloro-m-xylene	BA
4.908	3510	1865	0.531	0.20		
5.077	3404	2312	0.679	0.19		
5.125	19354	11056	0.571	1.11	7 Aroclor 1016	CO
5.170	3138	1811	0.577	0.18		
5.268	3108	1886	0.607	0.17		
5.512	45348	20630	0.455	2.61		
5.640	4955	2805	0.566	0.28		
5.703	11393	9240	0.811	0.65		
5.732	19860	12630	0.636	1.14	7 Aroclor 1016	CO
5.798	1352	611	0.452	0.07		
5.910	13033	6439	0.494	0.75		
5.962	33103	28840	0.871	1.91	7 Aroclor 1016	CO
5.983	63822	38875	0.609	3.68	7 Aroclor 1016	CO
6.037	8495	5106	0.601	0.49		
6.077	2574	1967	0.764	0.14		
6.112	41183	23408	0.568	2.37		
6.172	27923	17597	0.630	1.61	7 Aroclor 1016	CO
6.275	23642	16949	0.717	1.36		
6.300	22829	16671	0.730	1.31		
6.335	19444	12073	0.621	1.12		
6.480	29743	23518	0.791	1.71	7 Aroclor 1016	CO
6.505	12602	10032	0.796	0.72		
6.555	16039	12806	0.798	0.92	7 Aroclor 1016	CO
6.588	19998	11649	0.583	1.15		
6.683	6611	4617	0.698	0.38		
6.765	3207	2482	0.774	0.18		
6.802	18766	14897	0.794	1.08		
6.835	11384	4736	0.416	0.65		
6.965	2873	2566	0.893	0.16		
7.005	26877	18102	0.674	1.55		
7.195	1620	1495	0.923	0.09		
7.227	15449	12159	0.787	0.89		
7.320	12397	10885	0.878	0.71		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.348	27504	22400	0.814	1.58	
7.397	19618	9311	0.475	1.13	
7.453	53147	42575	0.801	3.07	28 Aroclor 1260
7.528	11147	6623	0.594	0.64	
7.567	2258	1820	0.806	0.13	
7.608	9795	8917	0.910	0.56	
7.648	84016	57837	0.688	4.85	28 Aroclor 1260
7.692	18815	16270	0.865	1.08	
7.745	38389	32468	0.846	2.21	
7.818	2866	2535	0.885	0.16	
7.857	90372	57699	0.638	5.22	
7.930	55756	46769	0.839	3.22	28 Aroclor 1260
7.965	30732	26148	0.851	1.77	
8.032	11120	9785	0.880	0.64	
8.067	8234	5545	0.673	0.47	
8.108	53637	45529	0.849	3.09	28 Aroclor 1260
8.140	28344	23573	0.832	1.63	
8.175	17147	12562	0.733	0.99	
8.215	3210	2745	0.855	0.18	
8.238	7036	5280	0.750	0.40	
8.280	11315	9181	0.811	0.65	
8.325	124376	102505	0.824	7.55	28 Aroclor 1260
8.357	11492	7394	0.643	0.66	
8.552	94212	51103	0.542	5.44	
8.605	42751	25487	0.596	2.46	
8.698	1720	476	0.277	0.09	
8.763	3422	2819	0.824	0.19	
8.817	1423	1862	1.309	0.08	
8.850	21519	12690	0.590	1.24	28 Aroclor 1260
9.067	39846	28798	0.723	2.30	28 Aroclor 1260
9.118	3602	1813	0.503	0.20	
9.343	13739	9400	0.684	0.79	
9.545	118682	72339	0.610	6.85	\$ 42 Decachlorobiphenyl
9.677	295	165	0.559	0.01	
9.812	553	267	0.483	0.03	
10.295	1220	447	0.366	0.07	
11.032	2337	698	0.299	0.13	
	1731105	1202371		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707027.d
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 07-JUL-2020 20:46
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal2a,254170:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: A707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2	Tetrachloro-m-xylene				CAS #: 877-09-8				
4.726	4.726	0.000	114367	0.02000	0.020			(M)	BA
7	Aroclor 1016				CAS #: 12674-11-2				
5.125	5.125	0.000	19354	0.20000	0.20	0.00-	20.00	100.00 (M)	CO
5.731	5.731	0.000	19860	0.20000	0.21	0.00-	20.00	102.61	CO
5.961	5.962	-0.001	33103	0.20000	0.19	0.00-	20.00	171.04	CO
5.983	5.984	-0.001	63822	0.20000	0.21	0.00-	20.00	329.76	CO
6.171	6.171	0.000	27923	0.20000	0.20	0.00-	20.00	144.28	CO
6.480	6.479	0.001	29743	0.20000	0.20	0.00-	20.00	153.68	CO
6.555	6.554	0.001	16039	0.20000	0.20	0.00-	20.00	82.87	CO
Average of Peak Amounts =					0.20143				
28	Aroclor 1260				CAS #: 11096-82-5				
7.453	7.453	0.000	53147	0.20000	0.21	0.00-	20.00	100.00 (M)	CO
7.648	7.649	-0.001	84015	0.20000	0.20	0.00-	20.00	158.08	CO
7.930	7.930	0.000	55755	0.20000	0.21	0.00-	20.00	104.91	CO
8.108	8.108	0.000	53637	0.20000	0.21	0.00-	20.00	100.92	CO
8.325	8.325	0.000	124376	0.20000	0.20	0.00-	20.00	234.02	CO
8.850	8.850	0.000	21518	0.20000	0.20	0.00-	20.00	40.49	CO
9.066	9.068	-0.002	39846	0.20000	0.20	0.00-	20.00	74.97	CO
Average of Peak Amounts =					0.20429				
\$ 42	Decachlorobiphenyl				CAS #: 2051-24-3				
9.545	9.546	-0.001	118681	0.02000	0.020			(M)	BA

QC Flag Legend

M - Compound response manually integrated.

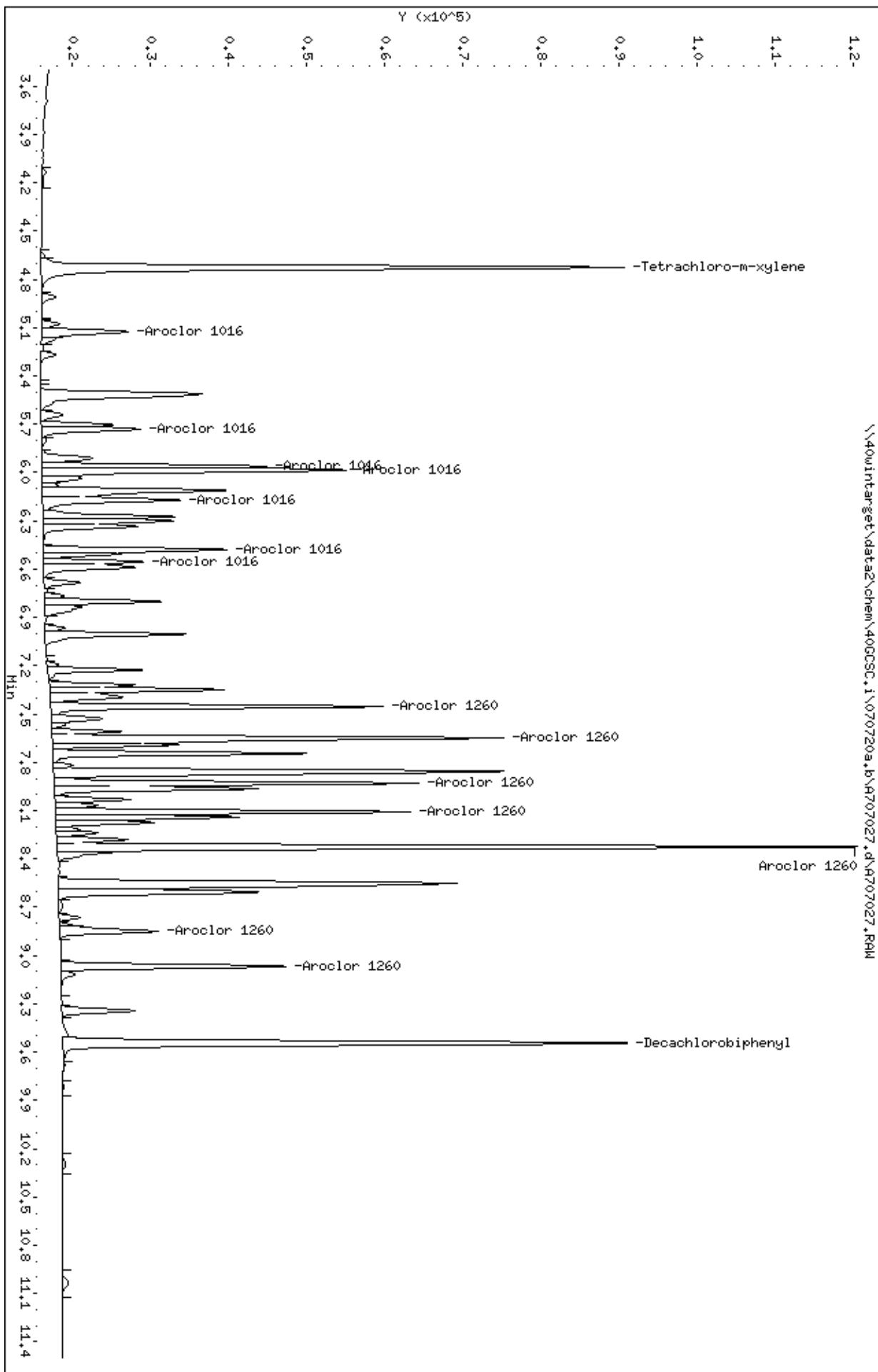
QC Flag Legend

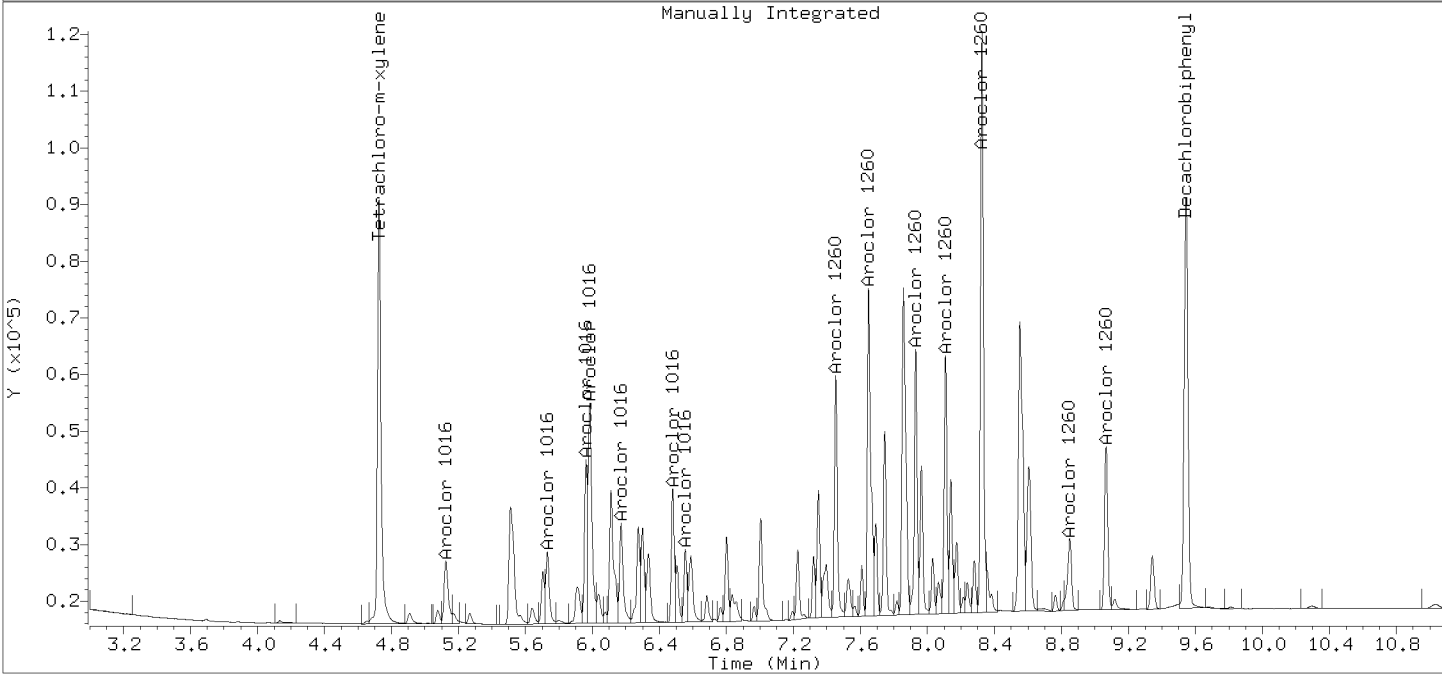
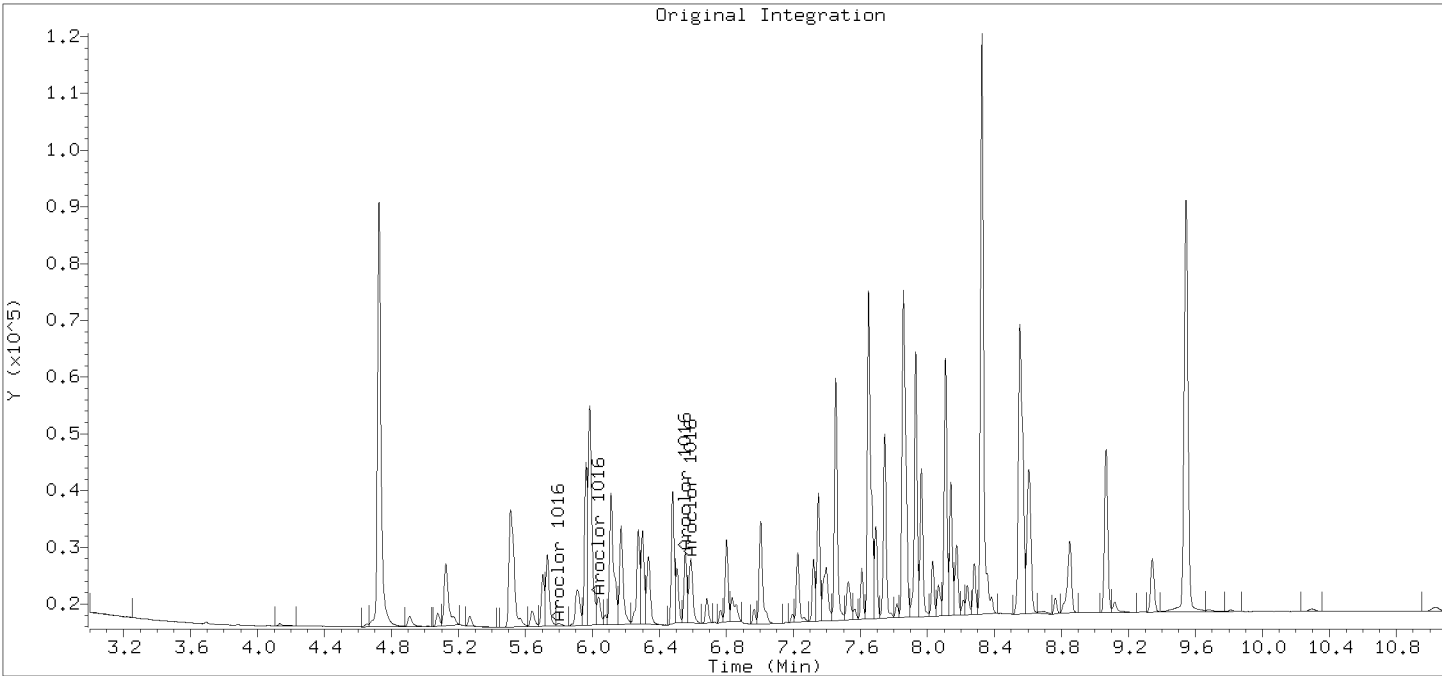
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707027.d
Date : 07-JUL-2020 20:46
Client ID: 1660-CAL2A
Sample Info: 1660-CAL2A,254170:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1016	0	19354	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO
Aroclor 1260	0	53147	CO

Tetrachloro-m-xylene	0	114367	BA
Decachlorobiphenyl	0	118681	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707027.d
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 07-JUL-2020 20:46
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal2a,254170:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
4.660	98890	84629	0.856	6.70	\$ 2 Tetrachloro-m-xylene	BA
4.725	713	526	0.737	0.04		
4.750	879	669	0.761	0.05		
4.778	1992	1306	0.656	0.13		
4.960	3285	2345	0.714	0.22		
5.070	1223	994	0.813	0.08	7 Aroclor 1016	CO
5.112	3749	2719	0.725	0.25		
5.178	17933	12629	0.704	1.21		
5.232	710	411	0.579	0.04		
5.423	2472	2007	0.812	0.16		
5.597	36858	19286	0.523	2.50	7 Aroclor 1016	CO
5.658	2373	1595	0.672	0.16		
5.713	4838	2819	0.583	0.32		
5.808	11543	9889	0.857	0.78		
5.843	16381	12644	0.772	1.11		
5.905	825	660	0.800	0.05	7 Aroclor 1016	CO
5.935	7393	6287	0.850	0.50		
5.963	5696	4263	0.748	0.38		
6.022	33913	32190	0.949	2.30		
6.042	54764	41729	0.762	3.71		
6.165	36281	24697	0.681	2.46	7 Aroclor 1016	CO
6.227	69	353	5.101	0.00		
6.257	22140	18660	0.843	1.50		
6.290	7642	6217	0.814	0.51		
6.333	19303	16604	0.860	1.30		
6.373	19244	15585	0.810	1.30	7 Aroclor 1016	CO
6.412	19173	10356	0.540	1.30		
6.570	27164	24051	0.885	1.84		
6.607	13427	9258	0.689	0.91		
6.673	21847	18234	0.835	1.48		
6.698	6823	6220	0.912	0.46	7 Aroclor 1016	CO
6.735	1356	832	0.614	0.09		
6.800	5652	4996	0.884	0.38		
6.827	3706	3030	0.818	0.25		
6.877	5630	4868	0.865	0.38		
6.913	18781	15867	0.845	1.27	7 Aroclor 1016	CO
6.977	1164	936	0.804	0.07		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.007	3044	2621	0.861	0.20	
7.053	17248	15528	0.900	1.16	
7.102	3143	2380	0.757	0.21	
7.137	2324	1793	0.772	0.15	
7.277	1696	1473	0.869	0.11	
7.322	5155	4683	0.908	0.34	
7.390	7942	7835	0.987	0.53	
7.408	12167	11224	0.922	0.82	
7.432	24128	22077	0.915	1.63	
7.478	14821	9392	0.634	1.00	
7.547	51028	42614	0.835	3.46	28 Aroclor 1260
7.587	1195	1197	1.002	0.08	
7.643	11159	9376	0.840	0.75	
7.687	55689	52516	0.943	3.77	28 Aroclor 1260
7.742	362	256	0.706	0.02	
7.805	54737	38289	0.700	3.71	
7.887	8900	5553	0.624	0.60	
7.943	76849	46167	0.601	5.21	
8.002	46302	41412	0.894	3.14	28 Aroclor 1260
8.040	24550	22463	0.915	1.66	
8.125	11363	8832	0.777	0.77	
8.213	48041	41040	0.854	3.25	28 Aroclor 1260
8.267	24149	19454	0.806	1.63	
8.308	28284	13976	0.494	1.91	
8.360	269	1356	5.045	0.01	
8.383	103979	90832	0.874	7.05	28 Aroclor 1260
8.438	2946	2374	0.806	0.19	
8.500	3966	3632	0.916	0.26	
8.622	2429	2064	0.850	0.16	
8.677	76521	41431	0.541	5.19	
8.705	36672	19538	0.533	2.48	
8.867	2692	1773	0.659	0.18	
8.927	3193	2479	0.776	0.21	
9.015	3141	3106	0.989	0.21	
9.040	15122	10827	0.716	1.02	28 Aroclor 1260
9.170	31965	24272	0.759	2.16	28 Aroclor 1260
9.208	2360	1787	0.757	0.16	
9.510	12662	8379	0.662	0.85	
9.812	105206	67341	0.640	7.51	\$ 42 Decachlorobiphenyl
10.258	929	190	0.205	0.06	
	1474160	1123893		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707027.d
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 07-JUL-2020 20:46
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal2a,254170:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 20:46 Cal File: B707027.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.660	4.660	0.000	98890	0.02000	0.020			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.178	5.179	-0.001	17933	0.20000	0.20	0.00-	20.00	100.00 (M)	CO
5.843	5.844	-0.001	16381	0.20000	0.20	0.00-	20.00	91.35	CO
6.021	6.022	-0.001	33913	0.20000	0.20	0.00-	20.00	189.11	CO
6.041	6.041	0.000	54764	0.20000	0.20	0.00-	20.00	305.38	CO
6.256	6.258	-0.002	22140	0.20000	0.20	0.00-	20.00	123.46	CO
6.570	6.570	0.000	27164	0.20000	0.20	0.00-	20.00	151.47	CO
6.673	6.673	0.000	21847	0.20000	0.20	0.00-	20.00	121.83	CO
Average of Peak Amounts =					0.20000				

28 Aroclor 1260					CAS #: 11096-82-5				
7.546	7.548	-0.002	51028	0.20000	0.20	0.00-	20.00	100.00 (M)	CO
7.686	7.688	-0.002	55688	0.20000	0.21	0.00-	20.00	109.13	CO
8.001	8.002	-0.001	46301	0.20000	0.20	0.00-	20.00	90.74	CO
8.213	8.214	-0.001	48040	0.20000	0.20	0.00-	20.00	94.14	CO
8.383	8.384	-0.001	103979	0.20000	0.22	0.00-	20.00	203.77	CO
9.040	9.040	0.000	15121	0.20000	0.20	0.00-	20.00	29.63	CO
9.170	9.171	-0.001	31964	0.20000	0.21	0.00-	20.00	62.64	CO
Average of Peak Amounts =					0.20571				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	105205	0.02000	0.020				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 20:46

Client ID: 1660-CAL2A

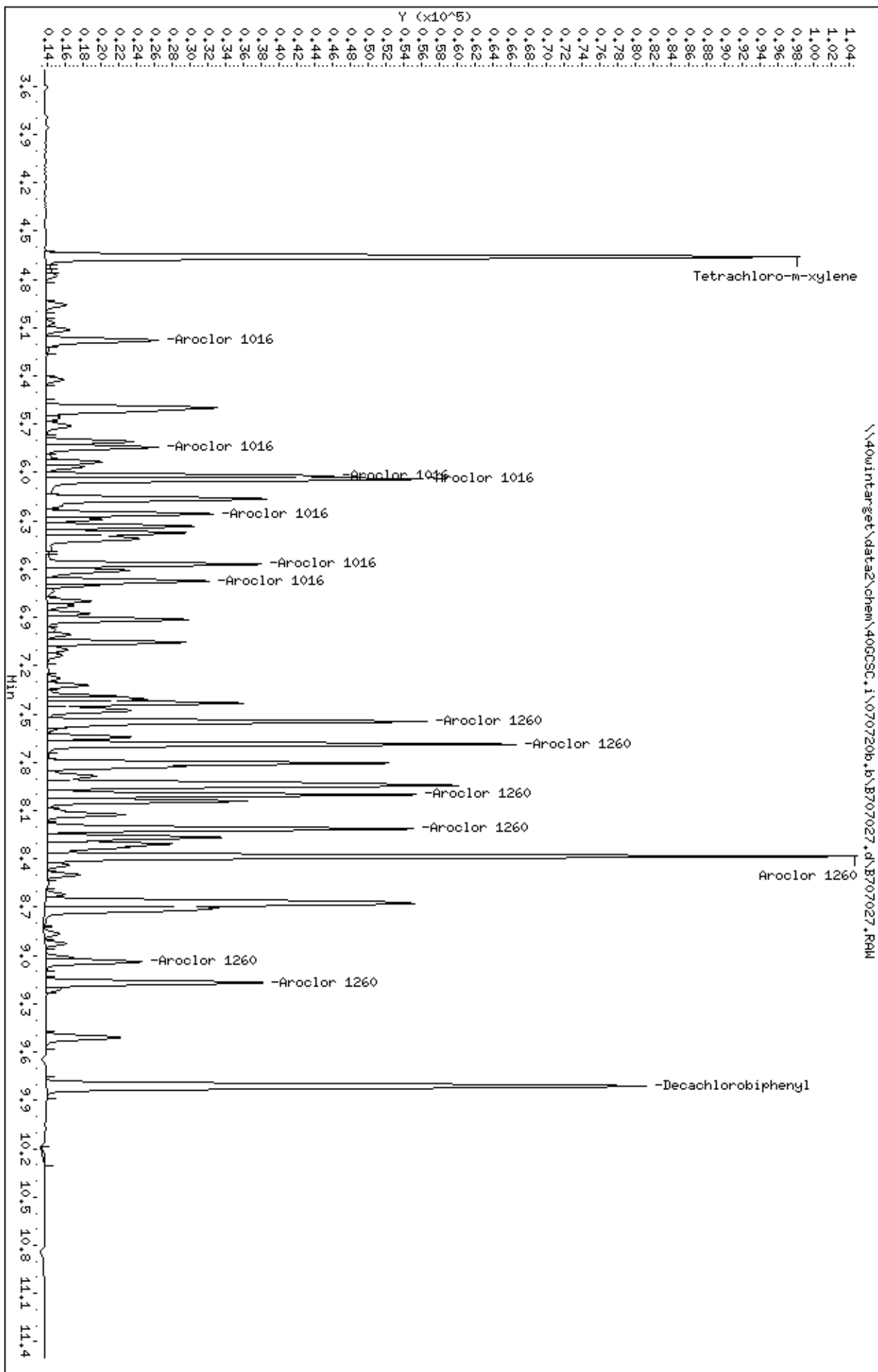
Sample Info: 1660-CAL2A,254170:1

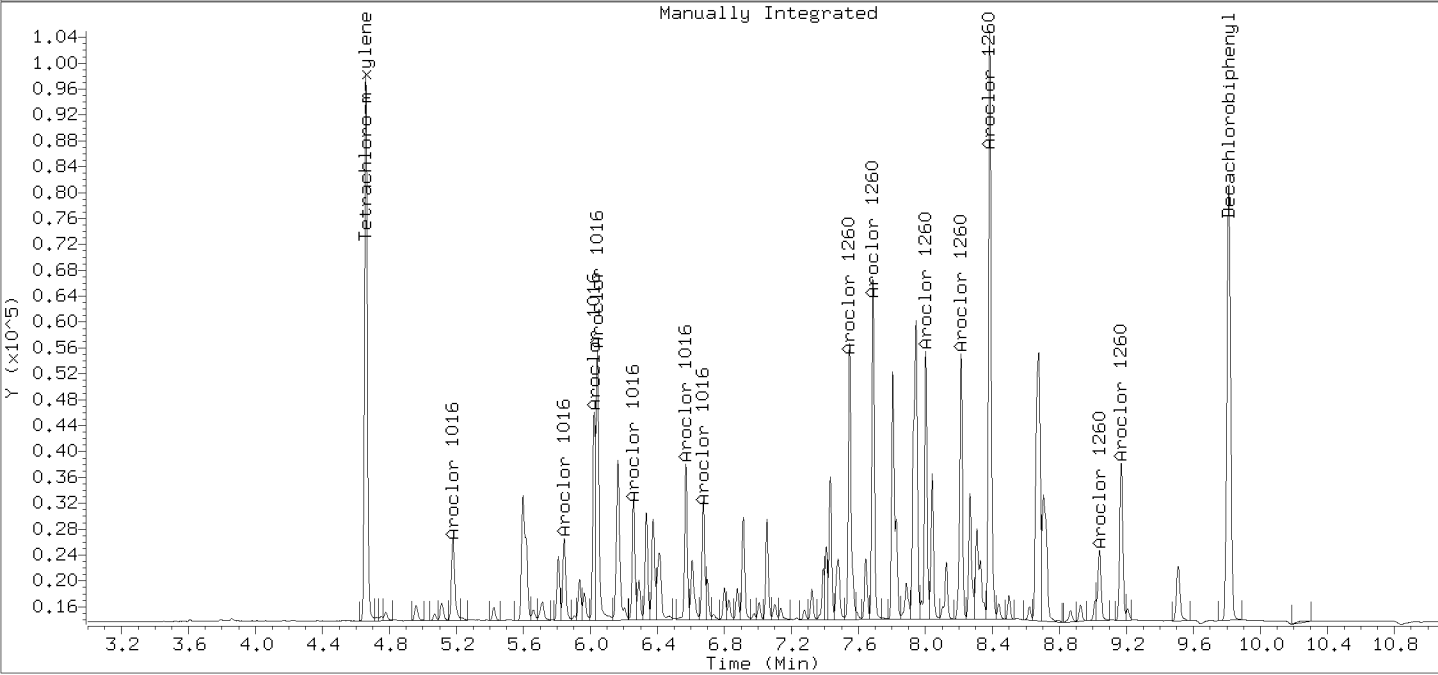
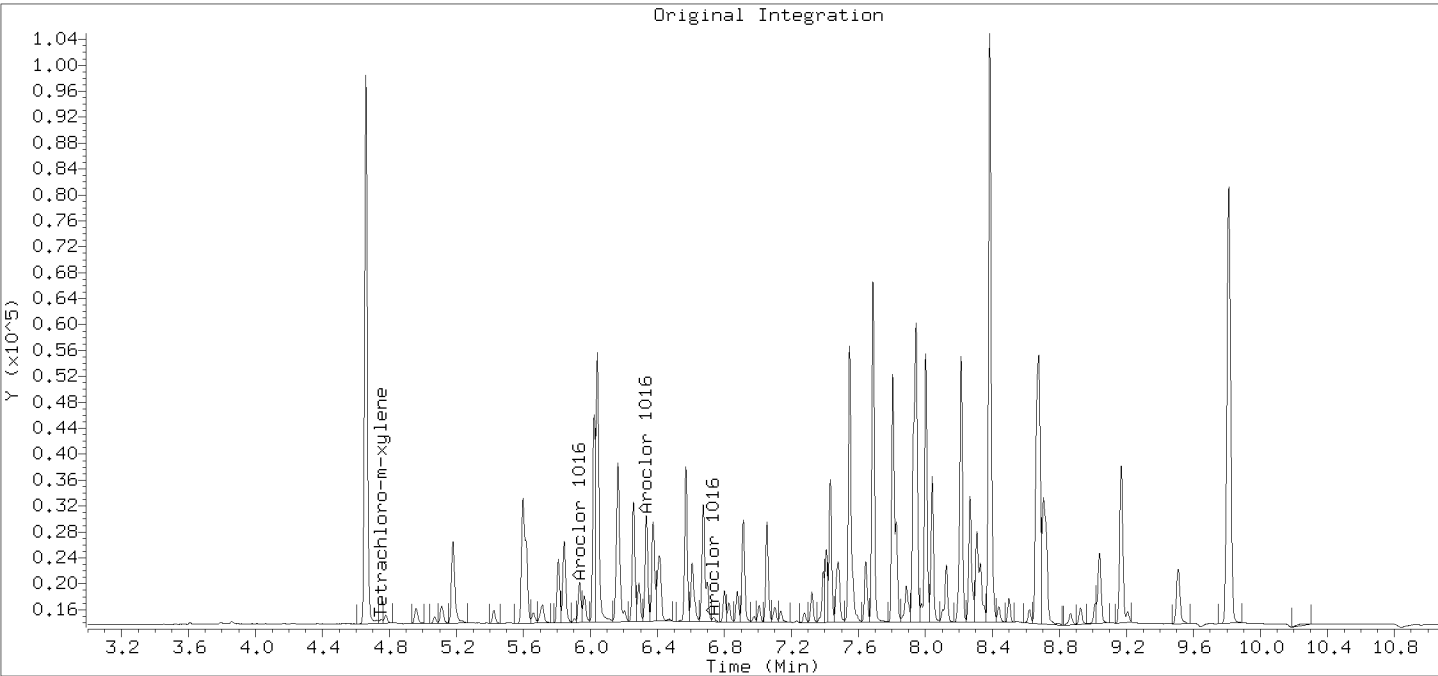
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1016	0	17933	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO
Aroclor 1260	0	51028	CO

Tetrachloro-m-xylene	722	98890	BA
Decachlorobiphenyl	0	105205	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707028.d
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 07-JUL-2020 21:05
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal3a,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.028	535	124	0.232	0.01		
3.693	2074	914	0.441	0.04		
3.883	1992	504	0.253	0.04		
3.973	603	398	0.660	0.01		
4.068	621	212	0.341	0.01		
4.132	1472	1075	0.730	0.03		
4.655	1888	1254	0.664	0.04		
4.725	301363	206027	0.684	7.14	\$ 2 Tetrachloro-m-xylene	BA
4.908	9270	4878	0.526	0.21		
5.077	9100	6141	0.675	0.21		
5.125	48471	29207	0.603	1.14	7 Aroclor 1016	CO
5.170	7516	4130	0.549	0.17		
5.225	1273	723	0.568	0.03		
5.268	7978	4827	0.605	0.18		
5.510	104512	51155	0.489	2.47		
5.568	6580	3517	0.534	0.15		
5.640	12854	7283	0.567	0.30		
5.703	29822	23805	0.798	0.70		
5.730	47718	32027	0.671	1.13	7 Aroclor 1016	CO
5.797	3542	1632	0.461	0.08		
5.908	33774	16963	0.502	0.80		
5.962	88491	76157	0.861	2.09	7 Aroclor 1016	CO
5.983	155140	102148	0.658	3.67	7 Aroclor 1016	CO
6.037	18081	11162	0.617	0.42		
6.077	5729	4519	0.789	0.13		
6.110	102229	60843	0.595	2.42		
6.170	67809	44885	0.662	1.60	7 Aroclor 1016	CO
6.273	109165	41328	0.379	2.58		
6.333	47839	29925	0.626	1.13		
6.478	73346	58970	0.804	1.73	7 Aroclor 1016	CO
6.505	31025	24498	0.790	0.73		
6.553	41492	32546	0.784	0.98	7 Aroclor 1016	CO
6.587	48552	29189	0.601	1.15		
6.682	16968	11643	0.686	0.40		
6.727	1879	1394	0.742	0.04		
6.763	8271	6395	0.773	0.19		
6.800	45267	36223	0.800	1.07		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.833	28183	11739	0.417	0.66	
6.965	7390	6295	0.852	0.17	
7.003	65200	43969	0.674	1.54	
7.193	4600	3937	0.856	0.10	
7.225	37939	29698	0.783	0.89	
7.318	29717	26836	0.903	0.70	
7.348	64943	53787	0.828	1.53	
7.395	42482	21632	0.509	1.00	
7.452	122215	103699	0.848	2.89	28 Aroclor 1260
7.527	24477	15341	0.627	0.58	
7.565	4903	4041	0.824	0.11	
7.607	24170	21758	0.900	0.57	
7.648	205847	144288	0.701	4.88	28 Aroclor 1260
7.745	95422	79087	0.829	2.26	
7.817	7279	6319	0.868	0.17	
7.857	219467	144207	0.657	5.20	
7.930	132029	112531	0.852	3.13	28 Aroclor 1260
7.963	72567	63684	0.878	1.72	
8.030	29189	24525	0.840	0.69	
8.065	19413	13838	0.713	0.46	
8.108	131283	113325	0.863	3.11	28 Aroclor 1260
8.140	70352	56846	0.808	1.66	
8.173	41092	31269	0.761	0.97	
8.213	7945	6935	0.873	0.18	
8.237	17100	13155	0.769	0.40	
8.278	27867	22888	0.821	0.66	
8.325	314664	264174	0.840	7.87	28 Aroclor 1260
8.355	28329	17860	0.630	0.67	
8.550	235919	127518	0.541	5.59	
8.605	108248	65395	0.604	2.56	
8.682	3199	905	0.283	0.07	
8.763	7455	6082	0.816	0.17	
8.817	3631	4429	1.220	0.08	
8.850	52113	32549	0.625	1.23	28 Aroclor 1260
8.923	689	228	0.331	0.01	
9.067	100865	73659	0.730	2.39	28 Aroclor 1260
9.118	7948	4501	0.566	0.18	
9.343	33248	22054	0.663	0.78	
9.545	290381	182036	0.627	6.88	\$ 42 Decachlorobiphenyl
9.812	1702	663	0.390	0.04	
10.297	670	251	0.375	0.01	
11.042	1072	335	0.313	0.02	
	4217442	2946889		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707028.d
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 07-JUL-2020 21:05
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal3a,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: A707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.725	4.726	-0.001	301362	0.05000	0.052			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.125	5.125	0.000	48471	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.730	5.731	-0.001	47717	0.50000	0.51	0.00-	20.00	98.44	CO
5.961	5.962	-0.001	88490	0.50000	0.51	0.00-	20.00	182.56	CO
5.983	5.984	-0.001	155139	0.50000	0.51	0.00-	20.00	320.07	CO
6.170	6.171	-0.001	67809	0.50000	0.49	0.00-	20.00	139.90	CO
6.478	6.479	-0.001	73346	0.50000	0.50	0.00-	20.00	151.32	CO
6.553	6.554	-0.001	41492	0.50000	0.52	0.00-	20.00	85.60	CO
Average of Peak Amounts =					0.50571				

28 Aroclor 1260					CAS #: 11096-82-5				
7.451	7.453	-0.002	122215	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.648	7.649	-0.001	205846	0.50000	0.50	0.00-	20.00	168.43	CO
7.930	7.930	0.000	132029	0.50000	0.49	0.00-	20.00	108.03	CO
8.108	8.108	0.000	131282	0.50000	0.51	0.00-	20.00	107.42	CO
8.325	8.325	0.000	314664	0.50000	0.51	0.00-	20.00	257.47	CO
8.850	8.850	0.000	52112	0.50000	0.49	0.00-	20.00	42.64	CO
9.066	9.068	-0.002	100864	0.50000	0.52	0.00-	20.00	82.53	CO
Average of Peak Amounts =					0.50000				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.545	9.546	-0.001	290380	0.05000	0.050			(M)	BA

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 21:05

Client ID: 1660-CAL3A

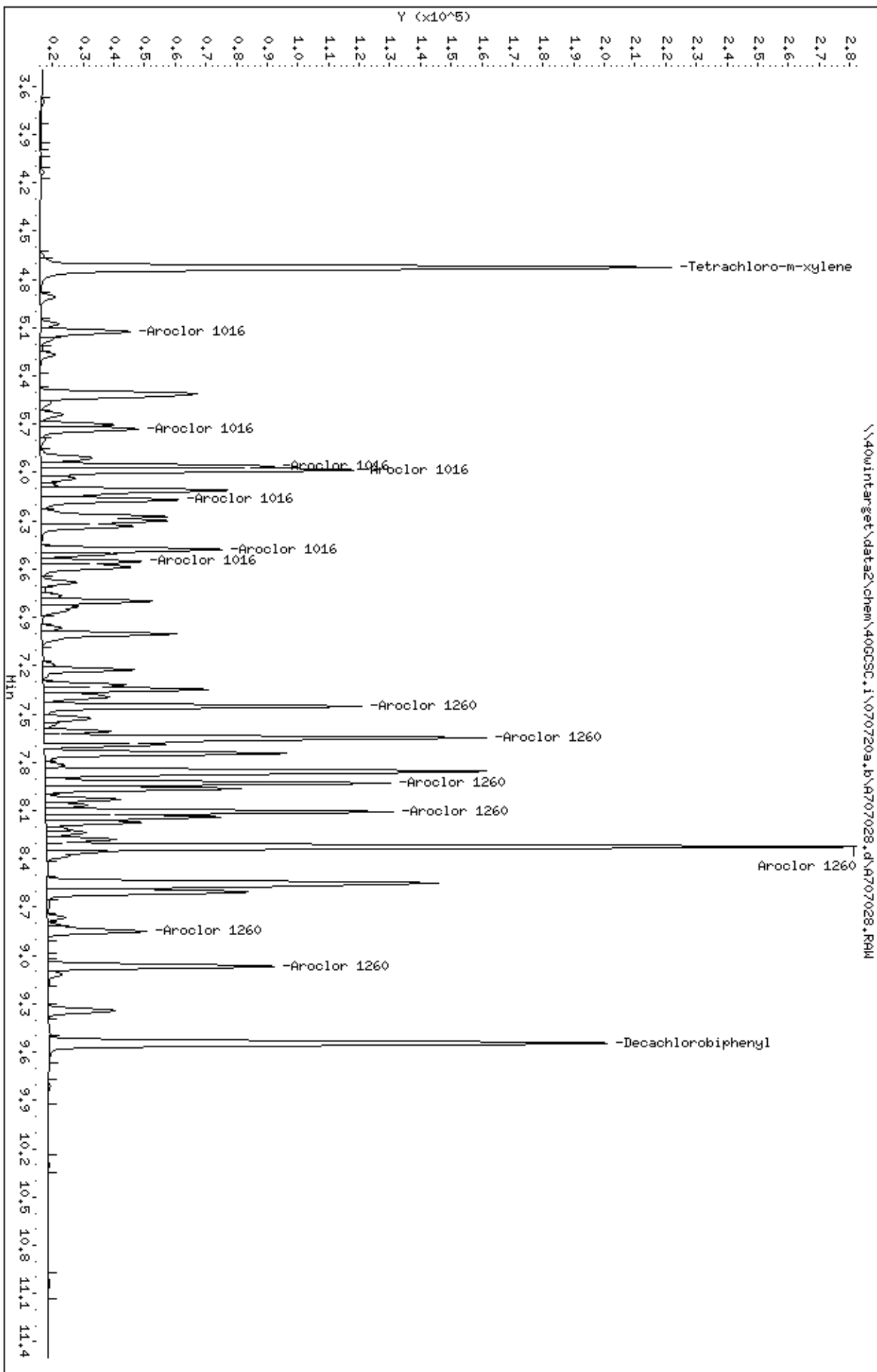
Sample Info: 1660-CAL3A,254171:1

Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP

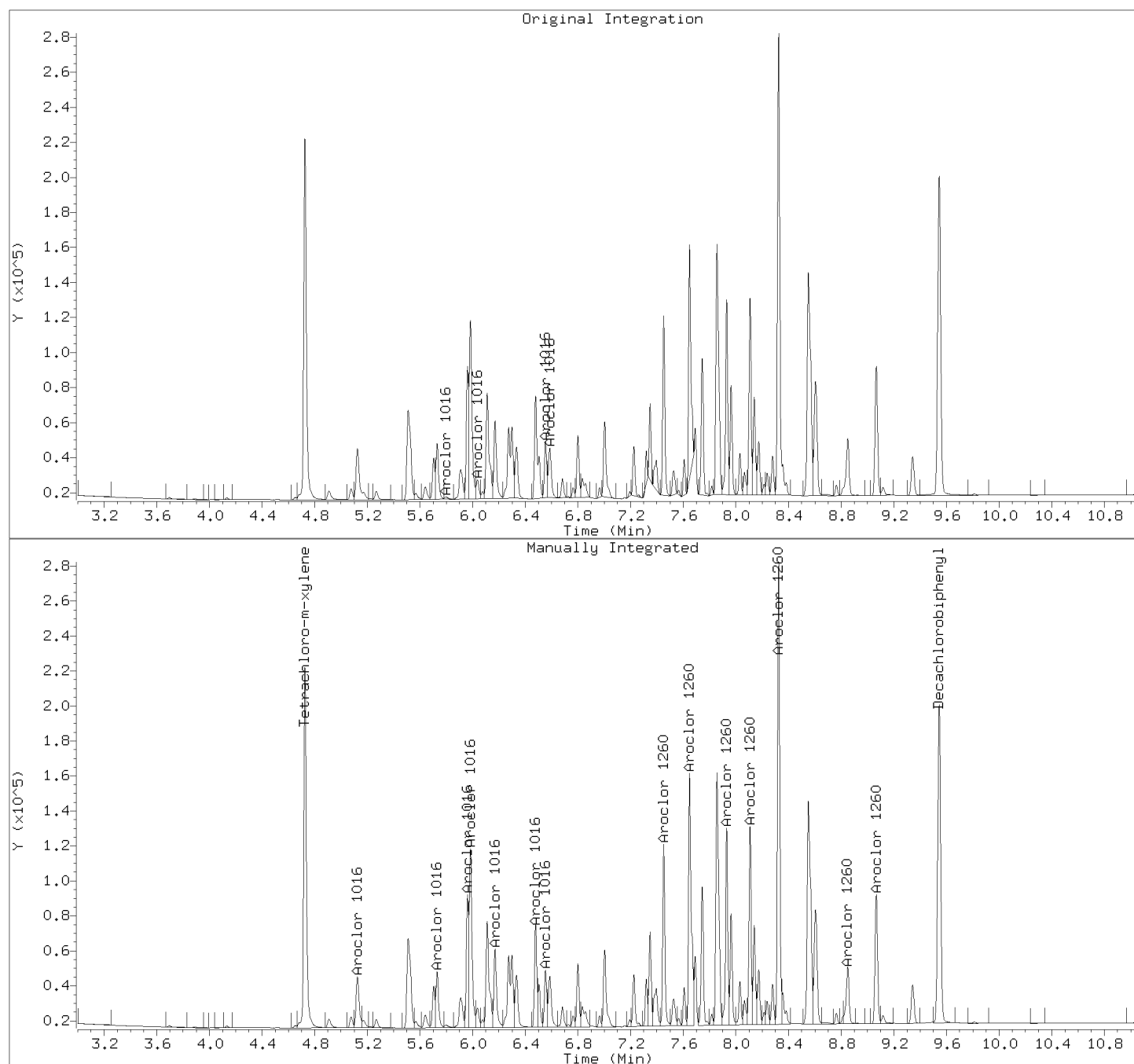
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 1660-CAL3A



Manually Integrated Compounds

[illegible]

Tetrachloro-m-xylene	0	301362	BA
Decachlorobiphenyl	0	290380	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707028.d
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 07-JUL-2020 21:05
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal3a,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.610	873	802	0.918	0.02		
3.793	611	489	0.801	0.01		
3.858	985	820	0.832	0.02		
4.660	258133	219215	0.849	6.93	\$ 2 Tetrachloro-m-xylene	BA
4.725	1758	1205	0.685	0.04		
4.752	1969	1527	0.776	0.05		
4.778	4622	3090	0.669	0.12		
4.960	8437	5941	0.704	0.22		
5.070	3151	2537	0.805	0.08		
5.112	9463	6925	0.732	0.25		
5.178	44270	31487	0.711	1.18	7 Aroclor 1016	CO
5.233	1344	929	0.691	0.03		
5.423	6143	4899	0.798	0.16		
5.598	88492	45985	0.520	2.37		
5.658	5645	4027	0.713	0.15		
5.713	11633	6800	0.585	0.31		
5.808	28699	25201	0.878	0.77		
5.843	39857	31348	0.787	1.07	7 Aroclor 1016	CO
5.905	1862	1578	0.847	0.05		
5.935	18252	15689	0.860	0.49		
5.963	13742	10568	0.769	0.36		
6.022	85145	79958	0.939	2.28	7 Aroclor 1016	CO
6.042	132857	105560	0.795	3.56	7 Aroclor 1016	CO
6.163	83151	61390	0.738	2.23		
6.203	5711	4415	0.773	0.15		
6.257	55517	48346	0.871	1.49	7 Aroclor 1016	CO
6.290	17905	14732	0.823	0.48		
6.333	46874	41477	0.885	1.25		
6.373	47344	39365	0.831	1.27		
6.412	43689	25977	0.595	1.17		
6.472	4382	2497	0.570	0.11		
6.570	66142	58569	0.886	1.77	7 Aroclor 1016	CO
6.607	32869	23130	0.704	0.88		
6.673	55476	47027	0.848	1.49	7 Aroclor 1016	CO
6.697	16295	15569	0.955	0.43		
6.735	2909	1955	0.672	0.07		
6.800	13806	12143	0.880	0.37		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.827	8668	7379	0.851	0.23	
6.877	13844	11856	0.856	0.37	
6.912	45890	39761	0.866	1.23	
6.975	2779	2272	0.817	0.07	
7.007	7262	6473	0.891	0.19	
7.053	42483	39441	0.928	1.14	
7.100	7596	5763	0.759	0.20	
7.137	5696	4383	0.770	0.15	
7.230	624	606	0.971	0.01	
7.277	4243	3668	0.864	0.11	
7.322	12894	11785	0.914	0.34	
7.390	19745	18872	0.956	0.53	
7.407	31034	29727	0.958	0.83	
7.432	58929	55065	0.934	1.58	
7.478	36676	23414	0.638	0.98	
7.547	126241	107310	0.850	3.39	28 Aroclor 1260
7.587	2655	2792	1.052	0.07	
7.643	27194	23285	0.856	0.73	
7.687	139593	133996	0.960	3.75	28 Aroclor 1260
7.738	820	624	0.761	0.02	
7.805	137914	98483	0.714	3.70	
7.885	22046	13940	0.632	0.59	
7.943	196034	119954	0.612	5.26	
7.977	6182	6943	1.123	0.16	
8.002	110748	104848	0.947	2.97	28 Aroclor 1260
8.040	60098	54573	0.908	1.61	
8.125	29093	22829	0.785	0.78	
8.213	121958	103767	0.851	3.27	28 Aroclor 1260
8.267	60054	49399	0.823	1.61	
8.308	72686	36310	0.500	1.95	
8.383	270042	240449	0.890	7.25	28 Aroclor 1260
8.438	7747	6181	0.798	0.20	
8.498	11174	9599	0.859	0.30	
8.550	1089	562	0.516	0.02	
8.622	6079	5145	0.846	0.16	
8.677	194228	107262	0.552	5.21	
8.705	95362	49919	0.523	2.56	
8.868	5258	4066	0.773	0.14	
8.927	6580	5348	0.813	0.17	
9.017	5700	6295	1.104	0.15	
9.040	38984	28044	0.719	1.04	28 Aroclor 1260
9.092	393	166	0.422	0.01	
9.170	86459	65180	0.754	2.32	28 Aroclor 1260
9.208	6469	4601	0.711	0.17	
9.510	30852	20617	0.668	0.82	
9.705	855	252	0.295	0.02	
9.763	509	271	0.532	0.01	
9.812	282867	178655	0.632	7.95	\$ 42 Decachlorobiphenyl
	3722339	2875302		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707028.d
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 07-JUL-2020 21:05
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal3a,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:05 Cal File: B707028.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.660	4.660	0.000	258133	0.05000	0.052			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.178	5.179	-0.001	44269	0.50000	0.49	0.00-	20.00	100.00 (M)	CO
5.843	5.844	-0.001	39857	0.50000	0.50	0.00-	20.00	90.03	CO
6.021	6.022	-0.001	85144	0.50000	0.51	0.00-	20.00	192.33	CO
6.041	6.041	0.000	132856	0.50000	0.49	0.00-	20.00	300.11	CO
6.256	6.258	-0.002	55516	0.50000	0.49	0.00-	20.00	125.41	CO
6.570	6.570	0.000	66141	0.50000	0.49	0.00-	20.00	149.41	CO
6.673	6.673	0.000	55476	0.50000	0.51	0.00-	20.00	125.32	CO
Average of Peak Amounts =					0.49714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.546	7.548	-0.002	126241	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
7.686	7.688	-0.002	139593	0.50000	0.52	0.00-	20.00	110.58	CO
8.001	8.002	-0.001	110748	0.50000	0.49	0.00-	20.00	87.73	CO
8.213	8.214	-0.001	121958	0.50000	0.52	0.00-	20.00	96.61	CO
8.383	8.384	-0.001	270042	0.50000	0.57	0.00-	20.00	213.91	CO
9.040	9.040	0.000	38984	0.50000	0.51	0.00-	20.00	30.88	CO
9.170	9.171	-0.001	86458	0.50000	0.57	0.00-	20.00	68.49	CO
Average of Peak Amounts =					0.52571				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	282867	0.05000	0.054				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 21:05

Client ID: 1660-CAL3A

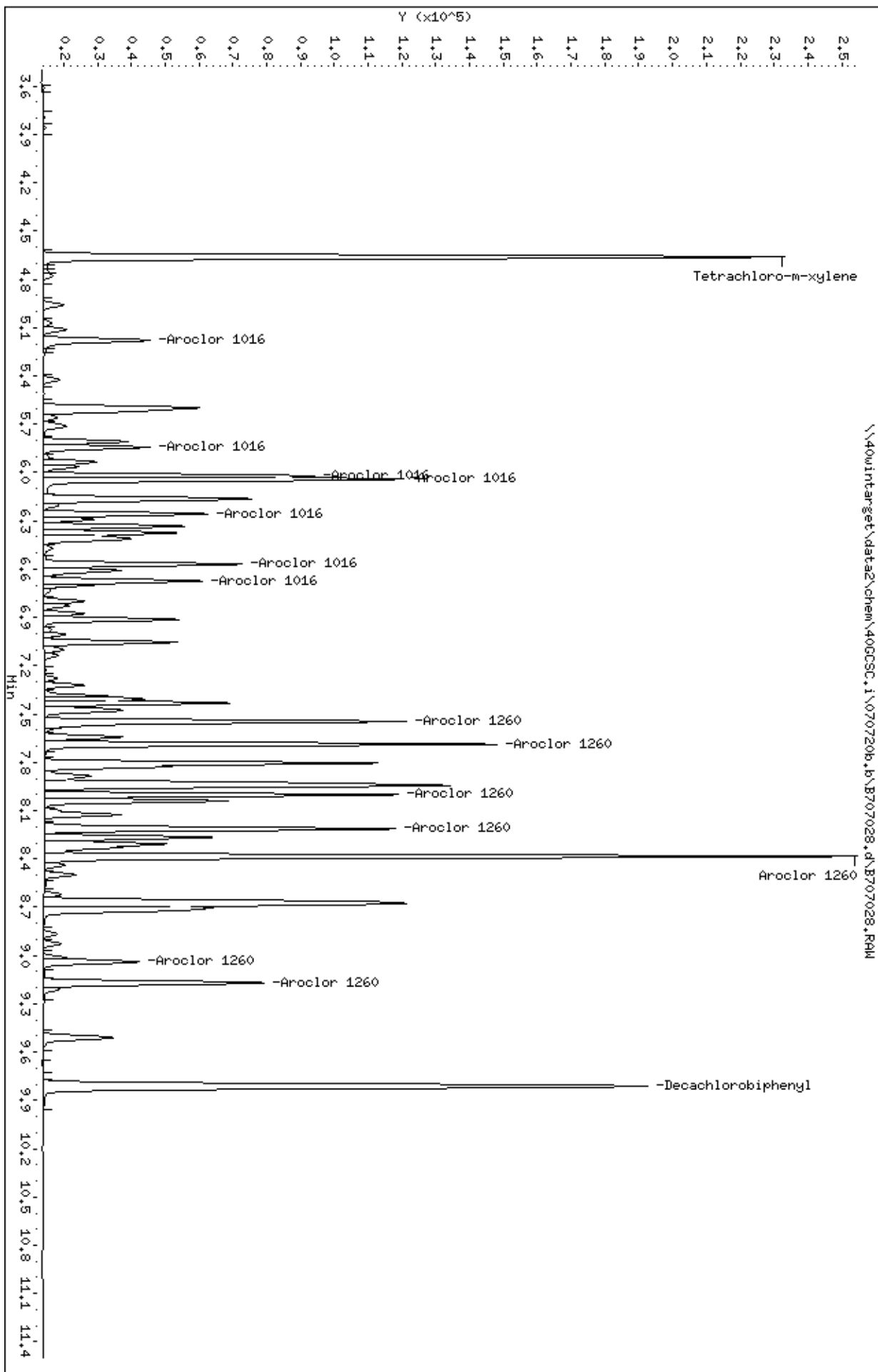
Sample Info: 1660-CAL3A,254171:1

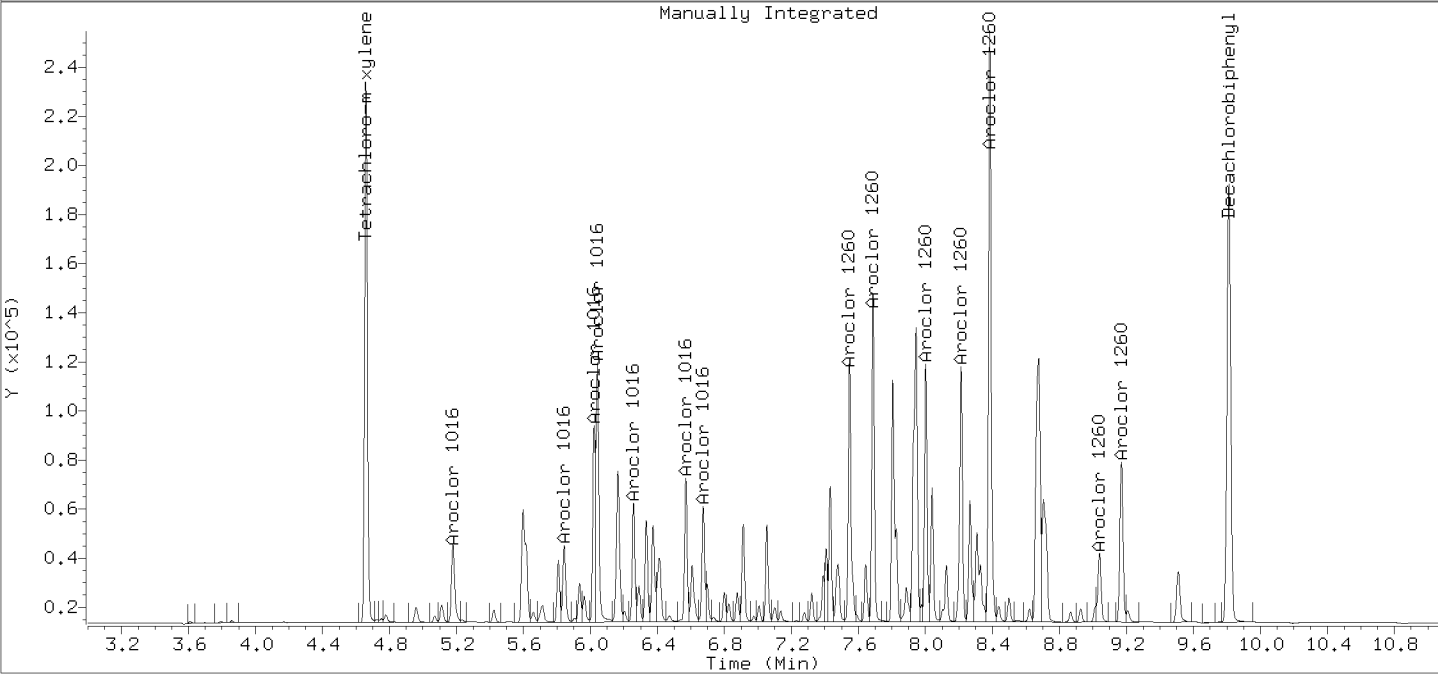
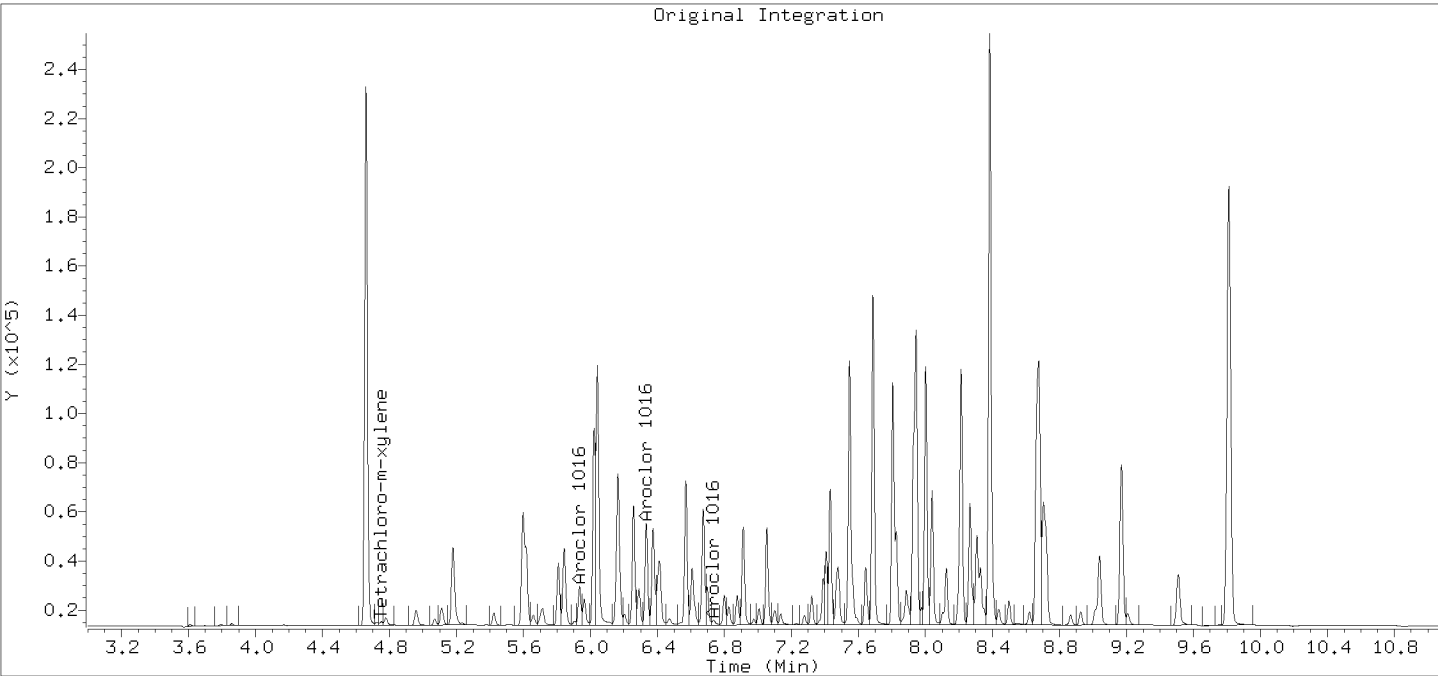
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1016	0	44269	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO
Aroclor 1260	0	126241	CO

Tetrachloro-m-xylene	1713	258133	BA
Decachlorobiphenyl	0	282867	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707029.d
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 07-JUL-2020 21:23
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal4a,254172:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.227	615	274	0.446	0.00		
3.697	3544	1808	0.510	0.05		
3.887	1777	746	0.420	0.02		
4.135	1833	1192	0.650	0.02		
4.658	3387	2275	0.672	0.04		
4.728	589128	411646	0.699	9.10	\$ 2 Tetrachloro-m-xylene	BA
4.912	14157	7628	0.539	0.20		
5.080	14418	9809	0.680	0.21		
5.127	75045	46119	0.615	1.10	7 Aroclor 1016	CO
5.173	12283	6756	0.550	0.18		
5.228	2088	1236	0.592	0.03		
5.272	12105	7385	0.610	0.17		
5.513	160974	78425	0.487	2.37		
5.572	9501	5212	0.549	0.14		
5.643	20184	11570	0.573	0.29		
5.707	48130	37297	0.775	0.71		
5.733	71905	49074	0.682	1.06	7 Aroclor 1016	CO
5.800	5654	2589	0.458	0.08		
5.912	53318	26913	0.505	0.78		
5.963	144177	120814	0.838	2.12	7 Aroclor 1016	CO
5.987	236230	163325	0.691	3.48	7 Aroclor 1016	CO
6.040	26208	16722	0.638	0.38		
6.078	8777	6665	0.759	0.12		
6.113	157435	97859	0.622	2.32		
6.173	105299	72385	0.687	1.55	7 Aroclor 1016	CO
6.277	86170	61695	0.716	1.27		
6.302	85022	63385	0.746	1.25		
6.337	72404	45989	0.635	1.06		
6.482	115761	92791	0.802	1.70	7 Aroclor 1016	CO
6.507	45842	37677	0.822	0.67		
6.557	64016	52914	0.827	0.94	7 Aroclor 1016	CO
6.588	75508	45381	0.601	1.11		
6.685	25906	17863	0.690	0.38		
6.730	2936	2171	0.739	0.04		
6.767	13098	10100	0.771	0.19		
6.802	68593	56490	0.824	1.01		
6.835	43469	18088	0.416	0.64		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.967	11147	9596	0.861	0.16	
7.007	98912	68369	0.691	1.45	
7.158	1017	898	0.883	0.01	
7.197	7291	6152	0.844	0.10	
7.228	58133	45936	0.790	0.85	
7.322	47097	41530	0.882	0.69	
7.350	99102	85266	0.860	1.46	
7.398	64262	32016	0.498	0.94	
7.455	189830	159926	0.842	2.80	28 Aroclor 1260
7.528	36611	23627	0.645	0.54	
7.568	7161	5995	0.837	0.10	
7.610	36768	33190	0.903	0.54	
7.650	317182	224257	0.707	4.68	28 Aroclor 1260
7.693	68097	60363	0.886	1.00	
7.747	147819	124794	0.844	2.18	
7.820	11021	9692	0.879	0.16	
7.858	335055	219481	0.655	4.94	
7.932	200858	167476	0.834	2.96	28 Aroclor 1260
7.967	110270	95737	0.868	1.62	
8.033	41794	37582	0.899	0.61	
8.068	30203	21061	0.697	0.44	
8.110	201248	173417	0.862	2.97	28 Aroclor 1260
8.142	106916	88328	0.826	1.57	
8.177	61595	47051	0.764	0.90	
8.217	11688	10318	0.883	0.17	
8.240	26792	20348	0.759	0.39	
8.282	42321	34831	0.823	0.62	
8.328	487474	411174	0.843	7.19	28 Aroclor 1260
8.358	42864	27716	0.647	0.63	
8.555	362156	198609	0.548	5.34	
8.608	166122	101120	0.609	2.45	
8.683	4550	1347	0.296	0.06	
8.767	11805	9517	0.806	0.17	
8.820	5611	6804	1.213	0.08	
8.853	79965	49466	0.619	1.18	28 Aroclor 1260
8.927	758	336	0.444	0.01	
9.070	154529	112303	0.727	2.28	28 Aroclor 1260
9.122	11997	6895	0.575	0.17	
9.347	52079	35304	0.678	0.76	
9.448	202	158	0.782	0.00	
9.548	542393	343152	0.633	8.00	\$ 42 Decachlorobiphenyl
9.680	664	282	0.425	0.00	
9.815	3107	1308	0.421	0.04	
9.965	658	114	0.173	0.00	
10.100	646	276	0.427	0.00	
10.307	609	214	0.352	0.00	
11.040	678	223	0.329	0.01	
	6775951	4843823		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707029.d
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 07-JUL-2020 21:23
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal4a,254172:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: A707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.728	4.726	0.002	589128	0.10000	0.10			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.126	5.125	0.001	75045	0.80000	0.78	0.00-	20.00	100.00 (M)	CO
5.733	5.731	0.002	71904	0.80000	0.77	0.00-	20.00	95.81	CO
5.963	5.962	0.001	144177	0.80000	0.83	0.00-	20.00	192.12	CO
5.986	5.984	0.002	236230	0.80000	0.78	0.00-	20.00	314.78	CO
6.173	6.171	0.002	105298	0.80000	0.76	0.00-	20.00	140.31	CO
6.481	6.479	0.002	115760	0.80000	0.78	0.00-	20.00	154.25	CO
6.556	6.554	0.002	64016	0.80000	0.80	0.00-	20.00	85.30	CO
Average of Peak Amounts =					0.78571				

28 Aroclor 1260					CAS #: 11096-82-5				
7.455	7.453	0.002	189829	0.80000	0.74	0.00-	20.00	100.00 (M)	CO
7.650	7.649	0.001	317182	0.80000	0.77	0.00-	20.00	167.09	CO
7.931	7.930	0.001	200857	0.80000	0.75	0.00-	20.00	105.81	CO
8.110	8.108	0.002	201248	0.80000	0.78	0.00-	20.00	106.02	CO
8.328	8.325	0.003	487473	0.80000	0.80	0.00-	20.00	256.80	CO
8.853	8.850	0.003	79965	0.80000	0.75	0.00-	20.00	42.12	CO
9.070	9.068	0.002	154528	0.80000	0.80	0.00-	20.00	81.40	CO
Average of Peak Amounts =					0.77000				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.548	9.546	0.002	542393	0.10000	0.094			(M)	BA

QC Flag Legend

M - Compound response manually integrated.

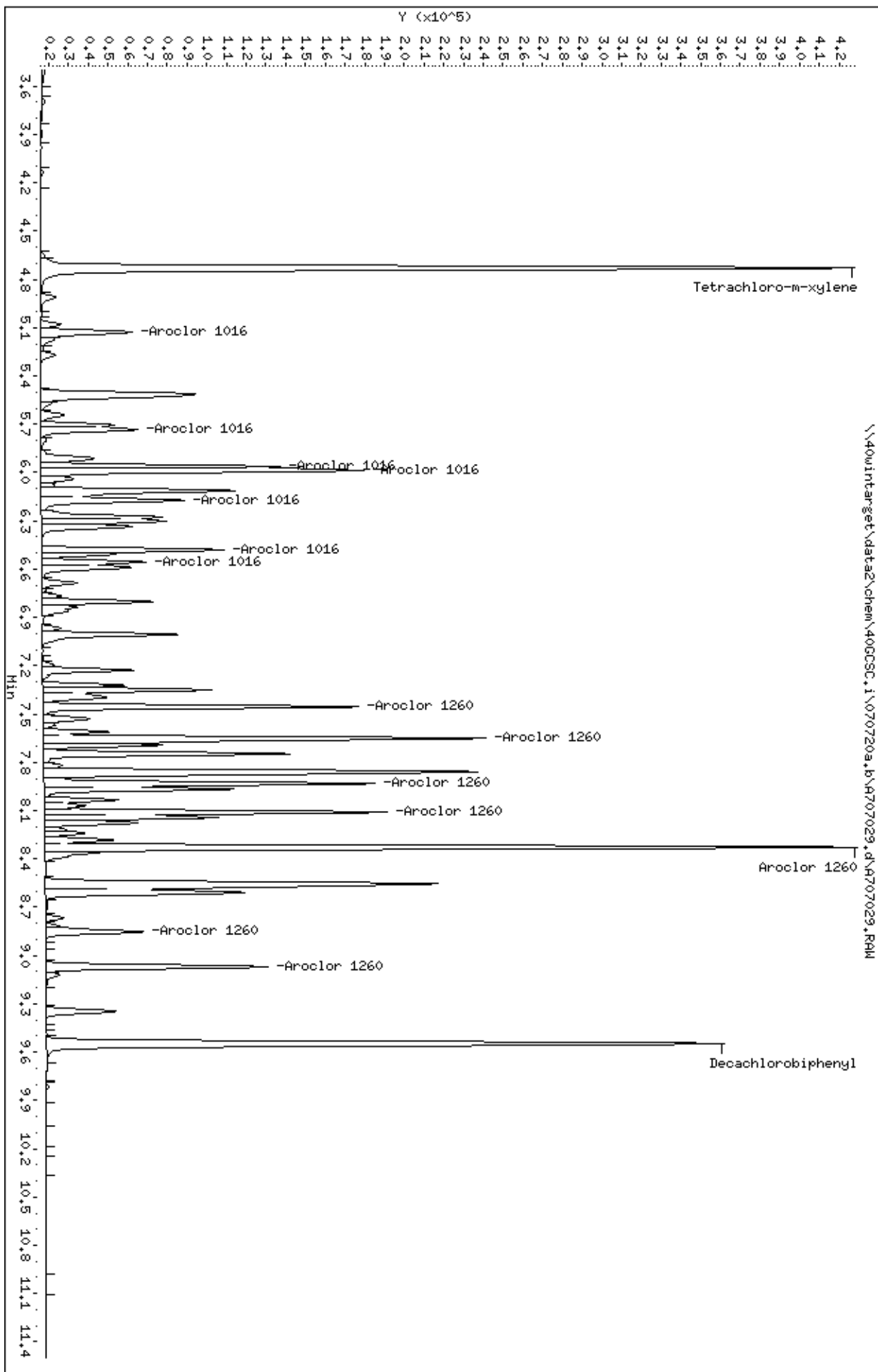
QC Flag Legend

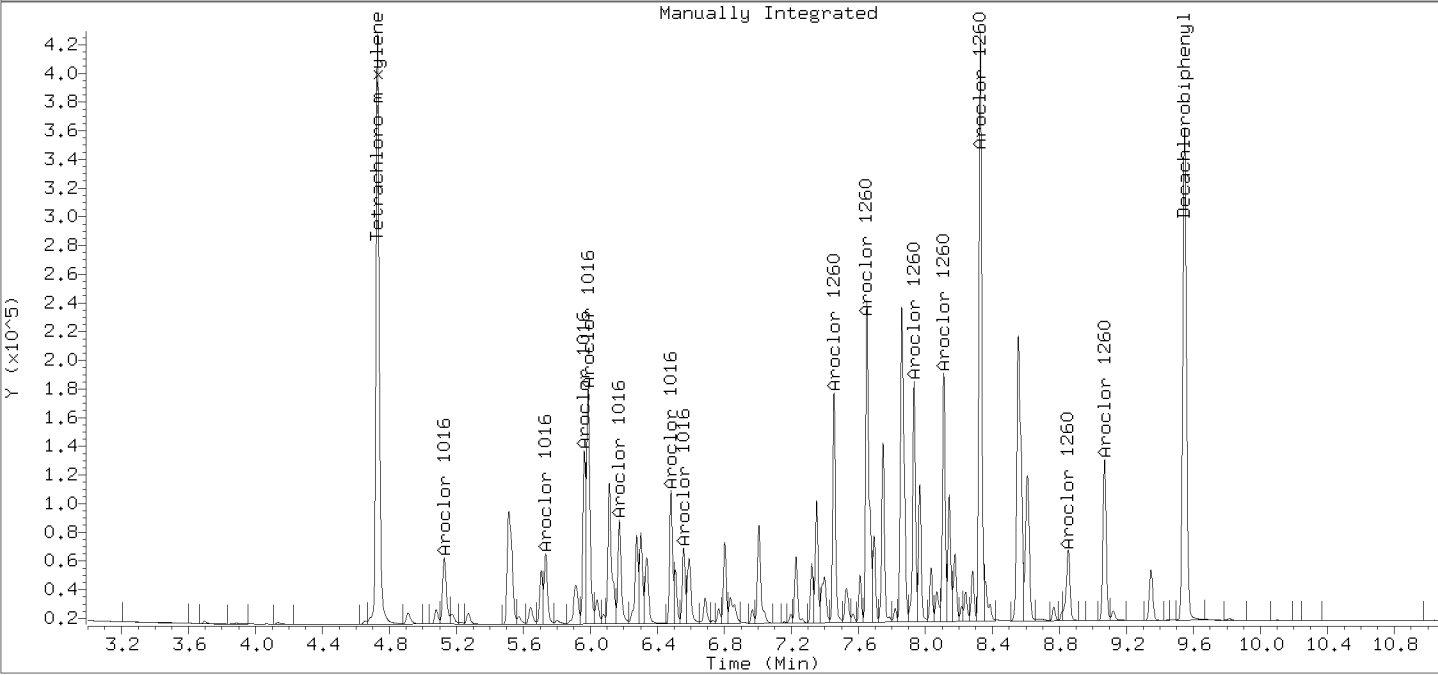
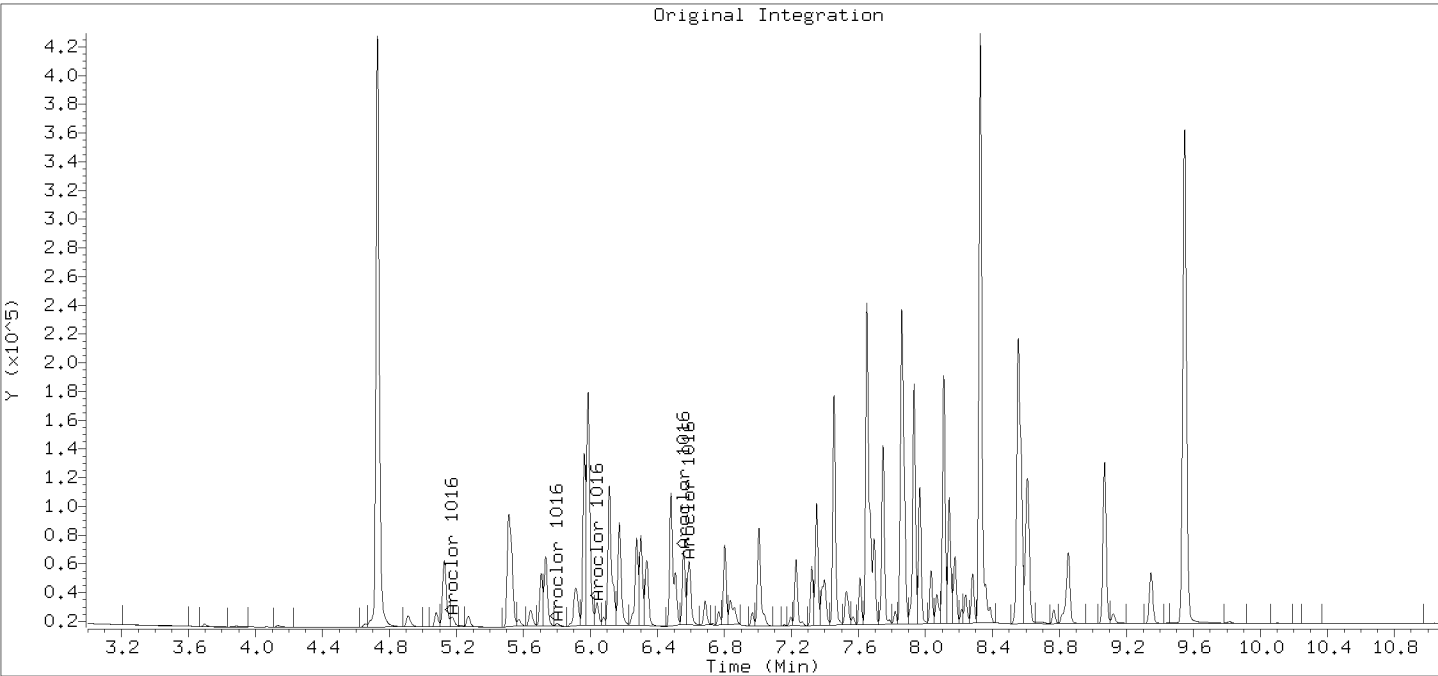
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707029.d
Date : 07-JUL-2020 21:23
Client ID: 1660-CAL4A
Sample Info: 1660-CAL4A,254172:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1016	11072	75045	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO
Aroclor 1260	0	189829	CO

Tetrachloro-m-xylene	0	589128	BA
Decachlorobiphenyl	0	542393	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707029.d
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 07-JUL-2020 21:23
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal4a,254172:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.608	2625	2139	0.815	0.04		
3.795	1000	853	0.853	0.01		
3.860	1004	807	0.803	0.01		
4.172	438	460	1.050	0.00		
4.662	497419	415481	0.835	8.37	\$ 2 Tetrachloro-m-xylene	BA
4.728	3227	2153	0.667	0.05		
4.753	3155	2422	0.768	0.05		
4.780	7024	4620	0.658	0.11		
4.962	13071	9269	0.709	0.21		
5.072	6203	4991	0.805	0.10		
5.115	14640	10819	0.739	0.24		
5.182	67333	47690	0.708	1.13	7 Aroclor 1016	CO
5.237	2254	1563	0.693	0.03		
5.425	9475	7481	0.790	0.15		
5.512	621	305	0.491	0.01		
5.600	133243	69871	0.524	2.24		
5.662	8605	6101	0.709	0.14		
5.715	18028	10893	0.604	0.30		
5.810	45300	38727	0.855	0.76		
5.845	60372	47722	0.790	1.01	7 Aroclor 1016	CO
5.907	3416	3000	0.878	0.05		
5.937	29114	24910	0.856	0.48		
5.965	20719	16417	0.792	0.34		
6.023	130993	126027	0.962	2.20	7 Aroclor 1016	CO
6.043	207290	166057	0.801	3.48	7 Aroclor 1016	CO
6.167	128731	94957	0.738	2.16		
6.207	8042	6516	0.810	0.13		
6.260	86562	75883	0.877	1.45	7 Aroclor 1016	CO
6.292	27476	23005	0.837	0.46		
6.337	71907	63063	0.877	1.21		
6.377	72495	60632	0.836	1.22		
6.413	68232	39892	0.585	1.14		
6.475	5282	2676	0.507	0.08		
6.572	102765	91713	0.892	1.72	7 Aroclor 1016	CO
6.610	50648	35788	0.707	0.85		
6.677	85593	72834	0.851	1.44	7 Aroclor 1016	CO
6.700	26511	24495	0.924	0.44		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.738	4208	2962	0.704	0.07	
6.802	20960	18802	0.897	0.35	
6.828	13668	11603	0.849	0.23	
6.878	21141	18668	0.883	0.35	
6.915	70988	60828	0.857	1.19	
6.978	4112	3515	0.855	0.06	
7.010	11157	9979	0.894	0.18	
7.057	65781	60268	0.916	1.10	
7.103	11629	9082	0.781	0.19	
7.138	8813	6761	0.767	0.14	
7.233	993	977	0.984	0.01	
7.280	6537	5698	0.872	0.11	
7.323	19961	18097	0.907	0.33	
7.392	29210	28893	0.989	0.49	
7.410	48068	45494	0.946	0.80	
7.435	93021	85282	0.917	1.56	
7.482	56435	35976	0.637	0.94	
7.550	194948	164458	0.844	3.28	28 Aroclor 1260
7.590	3796	4209	1.109	0.06	
7.645	41576	36060	0.867	0.69	
7.690	214566	205436	0.957	3.61	28 Aroclor 1260
7.743	1316	910	0.691	0.02	
7.808	213647	154230	0.722	3.59	
7.888	33100	21651	0.654	0.55	
7.947	305330	185079	0.606	5.13	
7.978	8610	10637	1.235	0.14	
8.005	170786	160833	0.942	2.87	28 Aroclor 1260
8.043	89824	82717	0.921	1.51	
8.107	6877	7682	1.117	0.11	
8.128	38680	35637	0.921	0.65	
8.217	188494	161092	0.855	3.17	28 Aroclor 1260
8.268	92159	75590	0.820	1.55	
8.310	111101	55628	0.501	1.86	
8.362	1108	5842	5.272	0.01	
8.387	413695	363448	0.879	6.96	28 Aroclor 1260
8.442	11651	9453	0.811	0.19	
8.502	17187	14449	0.841	0.28	
8.553	1627	825	0.507	0.02	
8.625	9068	7724	0.852	0.15	
8.680	305280	167544	0.549	5.13	
8.708	142917	79253	0.555	2.40	
8.870	7716	6111	0.792	0.12	
8.930	10500	8526	0.812	0.17	
9.020	9694	10039	1.036	0.16	
9.043	59459	43324	0.729	1.00	28 Aroclor 1260
9.117	393	216	0.550	0.00	
9.173	133783	102143	0.763	2.25	28 Aroclor 1260
9.212	9012	6969	0.773	0.15	
9.513	49068	32918	0.671	0.82	
9.615	529	268	0.507	0.00	
9.815	537052	340879	0.635	9.49	\$ 42 Decachlorobiphenyl
	5942042	4596897		100.000	

Total unknown % area = 46

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707029.d
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 07-JUL-2020 21:23
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal4a,254172:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:23 Cal File: B707029.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.661	4.660	0.001	497418	0.10000	0.10			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.181	5.179	0.002	67332	0.80000	0.75	0.00-	20.00	100.00 (M)	CO
5.845	5.844	0.001	60371	0.80000	0.75	0.00-	20.00	89.66	CO
6.023	6.022	0.001	130993	0.80000	0.79	0.00-	20.00	194.55	CO
6.043	6.041	0.002	207290	0.80000	0.77	0.00-	20.00	307.86	CO
6.260	6.258	0.002	86561	0.80000	0.76	0.00-	20.00	128.56	CO
6.571	6.570	0.001	102764	0.80000	0.77	0.00-	20.00	152.62	CO
6.676	6.673	0.003	85592	0.80000	0.78	0.00-	20.00	127.12	CO
Average of Peak Amounts =					0.76714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.550	7.548	0.002	194948	0.80000	0.78	0.00-	20.00	100.00 (M)	CO
7.690	7.688	0.002	214566	0.80000	0.80	0.00-	20.00	110.06	CO
8.005	8.002	0.003	170785	0.80000	0.75	0.00-	20.00	87.61	CO
8.216	8.214	0.002	188494	0.80000	0.80	0.00-	20.00	96.69	CO
8.386	8.384	0.002	413695	0.80000	0.88	0.00-	20.00	212.21	CO
9.043	9.040	0.003	59458	0.80000	0.78	0.00-	20.00	30.50	CO
9.173	9.171	0.002	133783	0.80000	0.88	0.00-	20.00	68.62	CO
Average of Peak Amounts =					0.81000				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.815	9.812	0.003	537051	0.10000	0.10				

QC Flag Legend

M - Compound response manually integrated.

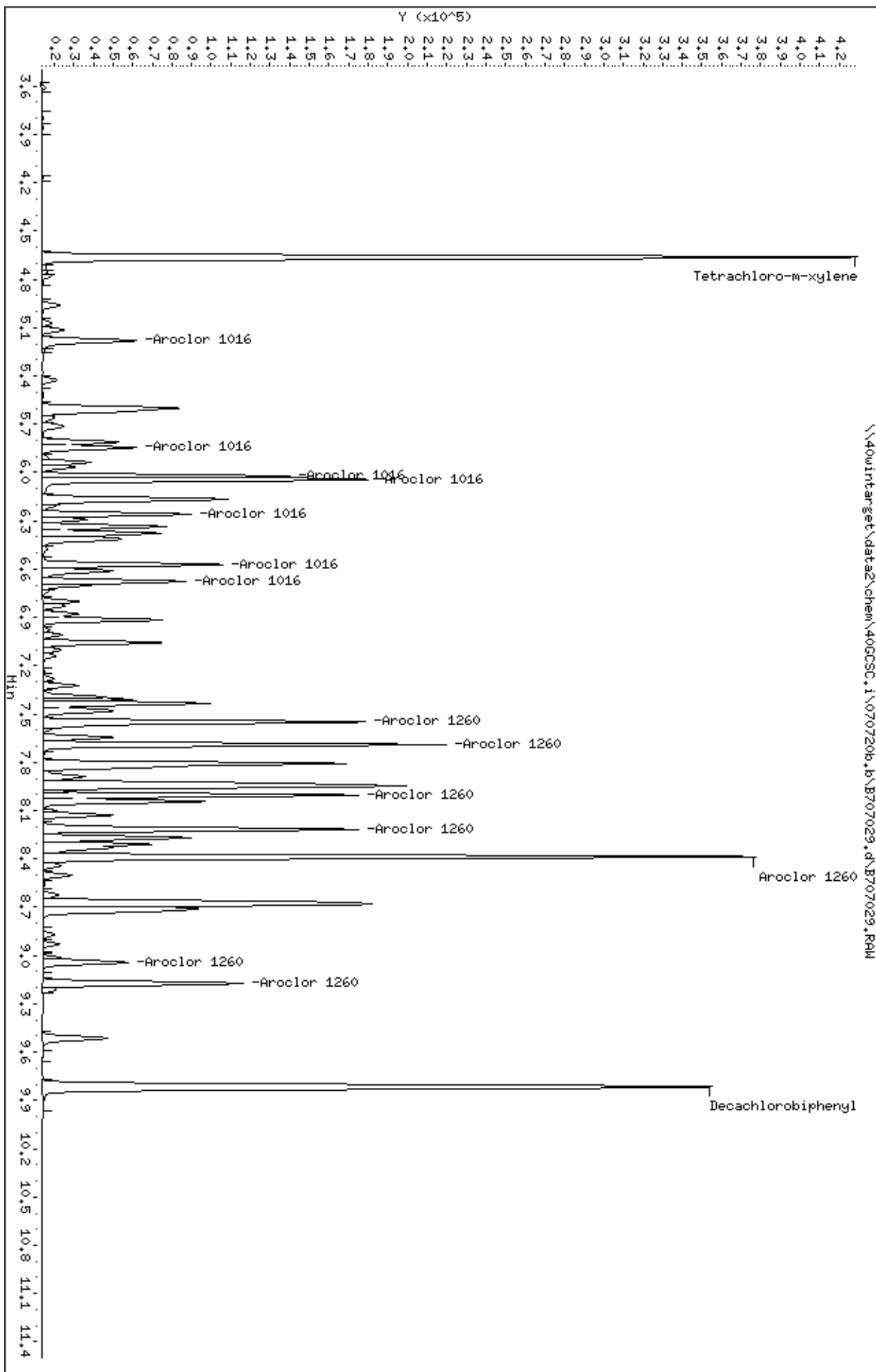
QC Flag Legend

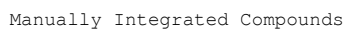
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707029.d
Date : 07-JUL-2020 21:23
Client ID: 1660-CAL4A
Sample Info: 1660-CAL4A,254172:1
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



[illegible]

Tetrachloro-m-xylene	2773	497418	BA
Decachlorobiphenyl	0	537051	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707030.d
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 07-JUL-2020 21:41
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal5a,254173:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.695	4654	2581	0.555	0.05		
3.885	2404	1111	0.462	0.02		
3.980	759	326	0.430	0.00		
4.132	1414	855	0.604	0.01		
4.657	4357	2886	0.662	0.05		
4.727	845607	604210	0.715	10.66	\$ 2 Tetrachloro-m-xylene	BA
4.910	17433	9341	0.536	0.21		
5.078	17169	11608	0.676	0.20		
5.125	89626	54637	0.610	1.08	7 Aroclor 1016	CO
5.173	15570	8832	0.567	0.18		
5.227	2730	1650	0.604	0.03		
5.270	14395	8808	0.612	0.17		
5.512	201200	94899	0.472	2.43		
5.642	24342	13728	0.564	0.29		
5.705	57200	45256	0.791	0.69		
5.732	84959	58602	0.690	1.02	7 Aroclor 1016	CO
5.800	6523	3069	0.470	0.07		
5.910	64326	31806	0.494	0.77		
5.962	172306	146954	0.853	2.08	7 Aroclor 1016	CO
5.985	280738	196127	0.699	3.39	7 Aroclor 1016	CO
6.038	30098	19260	0.640	0.36		
6.077	10155	7836	0.772	0.12		
6.112	187096	117623	0.629	2.26		
6.170	124963	86070	0.689	1.51	7 Aroclor 1016	CO
6.275	102690	74283	0.723	1.24		
6.300	97931	75409	0.770	1.18		
6.335	87228	54085	0.620	1.05		
6.480	136938	113717	0.830	1.65	7 Aroclor 1016	CO
6.505	54660	45217	0.827	0.66		
6.555	76012	61837	0.814	0.91	7 Aroclor 1016	CO
6.588	89924	54908	0.611	1.08		
6.683	30155	21097	0.700	0.36		
6.728	3308	2590	0.783	0.04		
6.765	15550	12025	0.773	0.18		
6.800	80668	66431	0.824	0.97		
6.833	51161	21415	0.419	0.61		
6.965	13052	11409	0.874	0.15		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.005	115151	80248	0.697	1.39	
7.155	1184	1055	0.891	0.01	
7.193	8221	7296	0.887	0.09	
7.227	68753	53288	0.775	0.83	
7.320	56791	51276	0.903	0.68	
7.348	119542	103988	0.870	1.44	
7.397	75409	38821	0.515	0.91	
7.453	226480	197666	0.873	2.74	28 Aroclor 1260
7.527	42108	27391	0.650	0.50	
7.567	8415	6913	0.822	0.10	
7.608	42608	38733	0.909	0.51	
7.648	370578	262674	0.709	4.48	28 Aroclor 1260
7.692	78713	68964	0.876	0.95	
7.745	172753	146697	0.849	2.09	
7.817	12527	10937	0.873	0.15	
7.857	397470	264905	0.666	4.81	
7.930	237434	201970	0.851	2.87	28 Aroclor 1260
7.965	129109	112973	0.875	1.56	
8.032	48740	44332	0.910	0.58	
8.067	34592	24612	0.711	0.41	
8.108	234814	205720	0.876	2.84	28 Aroclor 1260
8.140	123438	101370	0.821	1.49	
8.175	71110	55846	0.785	0.86	
8.215	13163	11716	0.890	0.15	
8.238	31144	24191	0.777	0.37	
8.280	48395	40286	0.832	0.58	
8.327	569946	478004	0.839	6.89	28 Aroclor 1260
8.357	48553	31565	0.650	0.58	
8.553	420743	237951	0.566	5.09	
8.607	192043	118753	0.618	2.32	
8.672	4784	1481	0.310	0.05	
8.765	14935	11766	0.788	0.18	
8.818	6613	8188	1.238	0.08	
8.852	94530	58508	0.619	1.14	28 Aroclor 1260
8.947	1480	467	0.316	0.01	
9.068	179853	131514	0.731	2.17	28 Aroclor 1260
9.120	13600	8007	0.589	0.16	
9.345	63250	42803	0.677	0.76	
9.438	636	277	0.436	0.00	
9.547	774888	496533	0.641	9.37	\$ 42 Decachlorobiphenyl
9.813	2767	1515	0.548	0.03	
10.097	670	335	0.500	0.00	
10.225	668	275	0.412	0.00	
10.468	998	311	0.312	0.01	
10.723	1244	347	0.279	0.01	
11.013	1789	416	0.232	0.02	
11.318	1418	364	0.257	0.01	
	8263352	5955746		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707030.d
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 07-JUL-2020 21:41
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal5a,254173:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	845606	0.15000	0.14			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.125	5.125	0.000	89625	1.00000	0.93	0.00-	20.00	100.00 (M)	CO
5.731	5.731	0.000	84958	1.00000	0.91	0.00-	20.00	94.79	CO
5.961	5.962	-0.001	172306	1.00000	1.00	0.00-	20.00	192.25	CO
5.985	5.984	0.001	280738	1.00000	0.93	0.00-	20.00	313.24	CO
6.170	6.171	-0.001	124963	1.00000	0.90	0.00-	20.00	139.43	CO
6.480	6.479	0.001	136937	1.00000	0.93	0.00-	20.00	152.79	CO
6.555	6.554	0.001	76012	1.00000	0.95	0.00-	20.00	84.81	CO
Average of Peak Amounts =					0.93571				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	226480	1.00000	0.88	0.00-	20.00	100.00 (M)	CO
7.648	7.649	-0.001	370577	1.00000	0.90	0.00-	20.00	163.62	CO
7.930	7.930	0.000	237433	1.00000	0.89	0.00-	20.00	104.84	CO
8.108	8.108	0.000	234813	1.00000	0.91	0.00-	20.00	103.68	CO
8.326	8.325	0.001	569945	1.00000	0.93	0.00-	20.00	251.65	CO
8.851	8.850	0.001	94530	1.00000	0.89	0.00-	20.00	41.74	CO
9.068	9.068	0.000	179853	1.00000	0.92	0.00-	20.00	79.41	CO
Average of Peak Amounts =					0.90286				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.546	9.546	0.000	774888	0.15000	0.13				

QC Flag Legend

M - Compound response manually integrated.

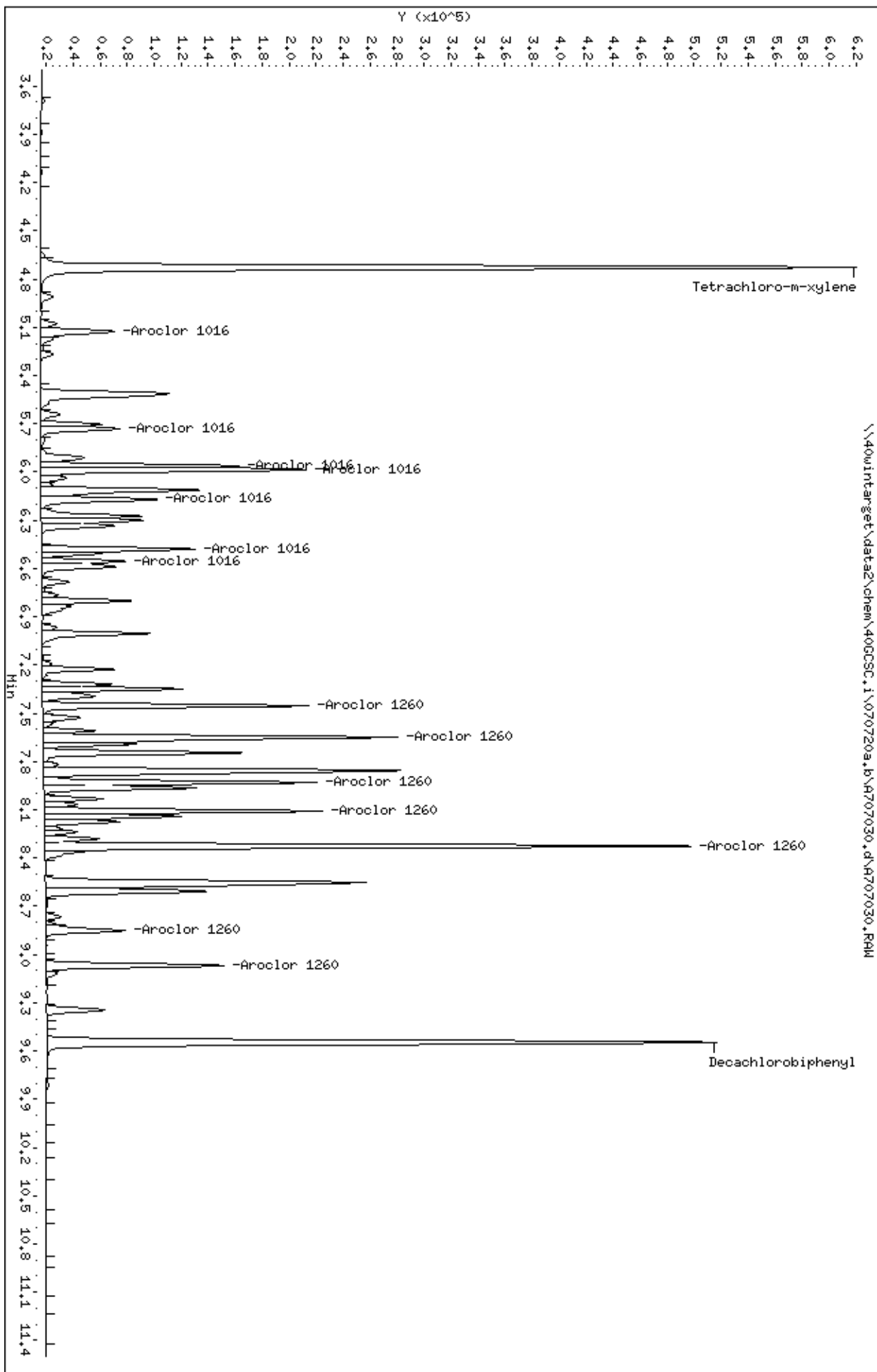
QC Flag Legend

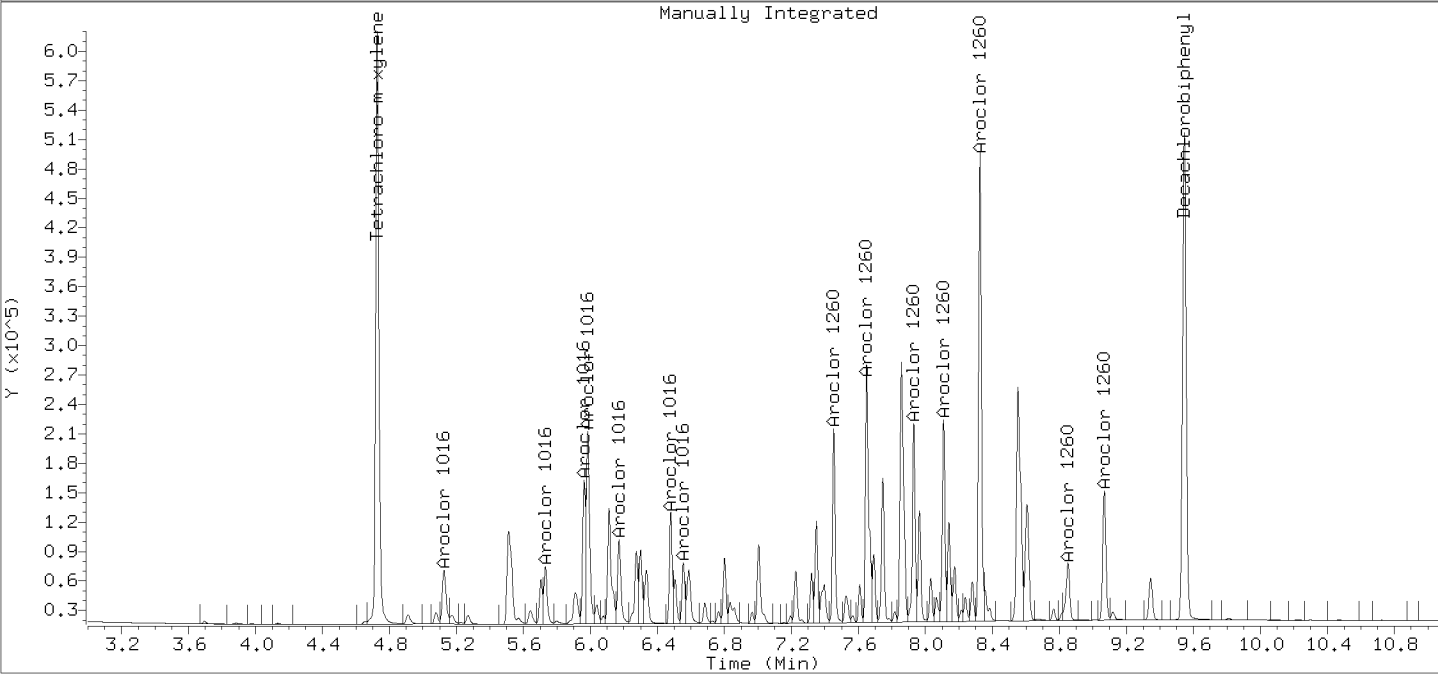
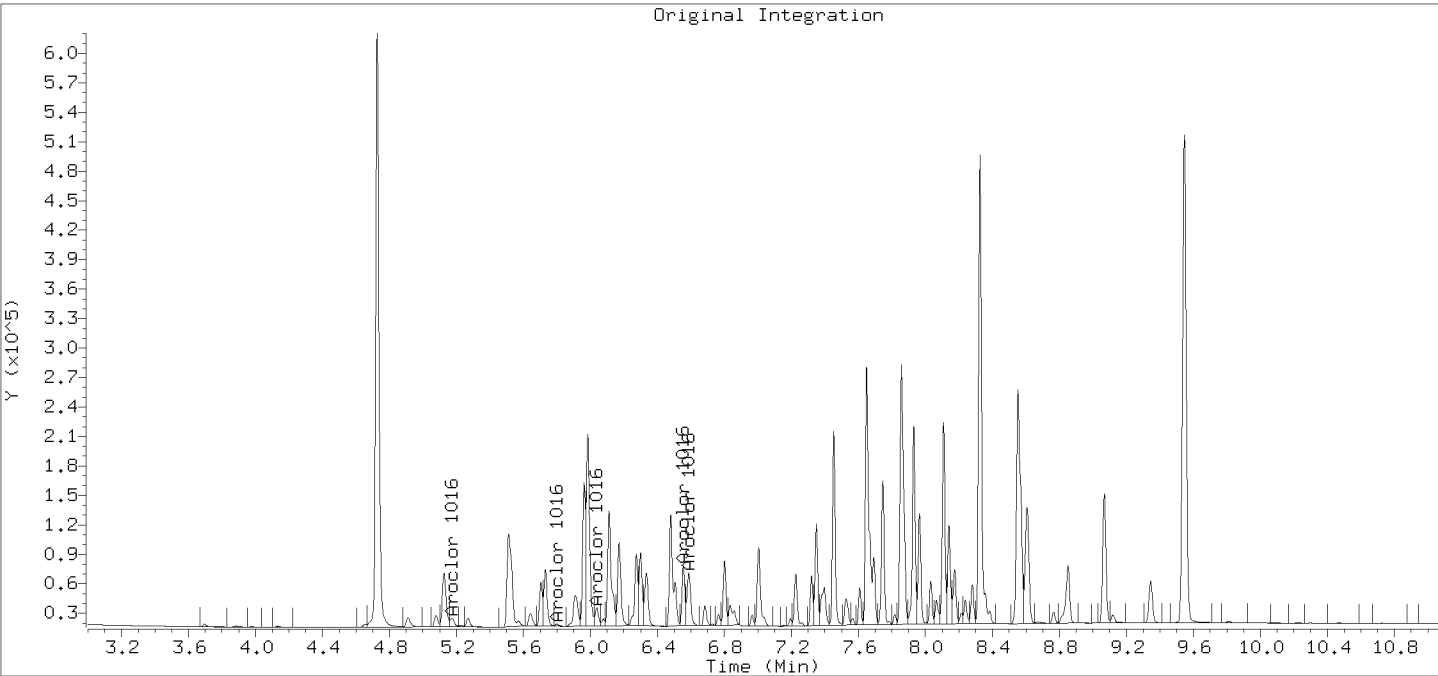
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707030.d
Date : 07-JUL-2020 21:41
Client ID: 1660-CALSA
Sample Info: 1660-CALSA,254173:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1016	14313	89625	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO
Aroclor 1260	0	226480	CO

Tetrachloro-m-xylene	0	845606	BA
Decachlorobiphenyl	0	774888	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707030.d
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 07-JUL-2020 21:41
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal5a,254173:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	4250	3303	0.777	0.06		
3.793	1417	1236	0.872	0.02		
3.860	439	366	0.833	0.00		
4.172	529	554	1.047	0.00		
4.662	703205	581911	0.828	10.56	\$ 2 Tetrachloro-m-xylene	BA
4.725	4844	3143	0.649	0.06		
4.752	3810	3056	0.802	0.05		
4.780	8677	5499	0.634	0.12		
4.960	15671	11192	0.714	0.22		
5.072	8836	7098	0.803	0.12		
5.113	17417	12958	0.744	0.25		
5.180	79748	56265	0.706	1.14	7 Aroclor 1016	CO
5.235	3752	2018	0.538	0.05		
5.425	11191	8880	0.793	0.16		
5.513	682	346	0.507	0.00		
5.598	158447	82378	0.520	2.27		
5.658	10199	7315	0.717	0.14		
5.713	21262	12915	0.607	0.30		
5.808	53724	46395	0.864	0.77		
5.845	71276	56123	0.787	1.02	7 Aroclor 1016	CO
5.907	4749	4178	0.880	0.06		
5.935	34449	29743	0.863	0.49		
5.963	24563	19327	0.787	0.35		
6.023	153022	147668	0.965	2.20	7 Aroclor 1016	CO
6.042	247689	192404	0.777	3.56	7 Aroclor 1016	CO
6.165	161401	112876	0.699	2.32		
6.228	185	944	5.092	0.00		
6.258	102944	89873	0.873	1.48	7 Aroclor 1016	CO
6.290	32412	27066	0.835	0.46		
6.335	84437	75582	0.895	1.21		
6.375	85859	70993	0.827	1.23		
6.412	80369	46943	0.584	1.15		
6.473	4919	2511	0.510	0.07		
6.570	121084	106860	0.883	1.74	7 Aroclor 1016	CO
6.608	59632	42341	0.710	0.85		
6.673	101166	86865	0.859	1.45	7 Aroclor 1016	CO
6.698	31235	28588	0.915	0.44		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.737	4796	3408	0.711	0.06	
6.800	24415	22509	0.922	0.35	
6.827	15764	13409	0.851	0.22	
6.877	24626	21905	0.889	0.35	
6.913	82528	70855	0.859	1.18	
6.977	4595	4025	0.876	0.06	
7.008	12838	11411	0.889	0.18	
7.055	76139	70774	0.930	1.09	
7.102	13377	10462	0.782	0.19	
7.137	9529	7796	0.818	0.13	
7.232	1228	1212	0.987	0.01	
7.278	7220	6549	0.907	0.10	
7.322	22931	20902	0.912	0.32	
7.390	33234	33251	1.001	0.47	
7.408	55003	51991	0.945	0.79	
7.433	106251	97827	0.921	1.52	
7.478	63980	39963	0.625	0.92	
7.548	221083	188229	0.851	3.18	28 Aroclor 1260
7.588	3831	4506	1.176	0.05	
7.645	47245	40127	0.849	0.67	
7.688	240865	235699	0.979	3.46	28 Aroclor 1260
7.742	1529	1046	0.684	0.02	
7.807	239847	171915	0.717	3.45	
7.887	36211	24219	0.669	0.52	
7.945	341260	207988	0.609	4.91	
8.003	198103	180620	0.912	2.85	28 Aroclor 1260
8.042	102001	95338	0.935	1.46	
8.127	49227	39222	0.797	0.70	
8.215	207531	177428	0.855	2.98	28 Aroclor 1260
8.267	100669	83474	0.829	1.44	
8.310	73781	60997	0.827	1.06	
8.330	51227	38710	0.756	0.73	
8.385	458241	394785	0.862	6.59	28 Aroclor 1260
8.440	12132	10142	0.836	0.17	
8.500	18608	16276	0.875	0.26	
8.553	1606	866	0.539	0.02	
8.623	9698	8448	0.871	0.13	
8.677	326190	178206	0.546	4.69	
8.707	157471	84213	0.535	2.26	
8.803	419	298	0.711	0.00	
8.870	8128	6447	0.793	0.11	
8.928	12019	9755	0.812	0.17	
9.018	10149	11407	1.124	0.14	
9.042	63912	45033	0.705	0.91	28 Aroclor 1260
9.112	311	186	0.598	0.00	
9.172	140584	107149	0.762	2.02	28 Aroclor 1260
9.210	10709	7354	0.687	0.15	
9.512	54696	35609	0.651	0.78	
9.612	778	350	0.450	0.01	
9.813	681157	418838	0.615	9.80	\$ 42 Decachlorobiphenyl
10.560	566	275	0.486	0.00	
	6949731	5361117		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707030.d
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 07-JUL-2020 21:41
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-cal5a,254173:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.661	4.660	0.001	703204	0.15000	0.14			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.180	5.179	0.001	79748	1.00000	0.88	0.00-	20.00	100.00 (M)	CO
5.845	5.844	0.001	71276	1.00000	0.89	0.00-	20.00	89.38	CO
6.023	6.022	0.001	153022	1.00000	0.92	0.00-	20.00	191.88	CO
6.041	6.041	0.000	247688	1.00000	0.92	0.00-	20.00	310.59	CO
6.258	6.258	0.000	102944	1.00000	0.91	0.00-	20.00	129.09	CO
6.570	6.570	0.000	121084	1.00000	0.90	0.00-	20.00	151.83	CO
6.673	6.673	0.000	101166	1.00000	0.93	0.00-	20.00	126.86	CO
Average of Peak Amounts =					0.90714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.548	7.548	0.000	221083	1.00000	0.88	0.00-	20.00	100.00 (M)	CO
7.688	7.688	0.000	240865	1.00000	0.90	0.00-	20.00	108.95	CO
8.003	8.002	0.001	198102	1.00000	0.87	0.00-	20.00	89.61	CO
8.215	8.214	0.001	207531	1.00000	0.88	0.00-	20.00	93.87	CO
8.385	8.384	0.001	458240	1.00000	0.97	0.00-	20.00	207.27	CO
9.041	9.040	0.001	63911	1.00000	0.84	0.00-	20.00	28.91	CO
9.171	9.171	0.000	140584	1.00000	0.92	0.00-	20.00	63.59	CO
Average of Peak Amounts =					0.89429				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.813	9.812	0.001	681156	0.15000	0.13				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 21:41

Client ID: 1660-CALSA

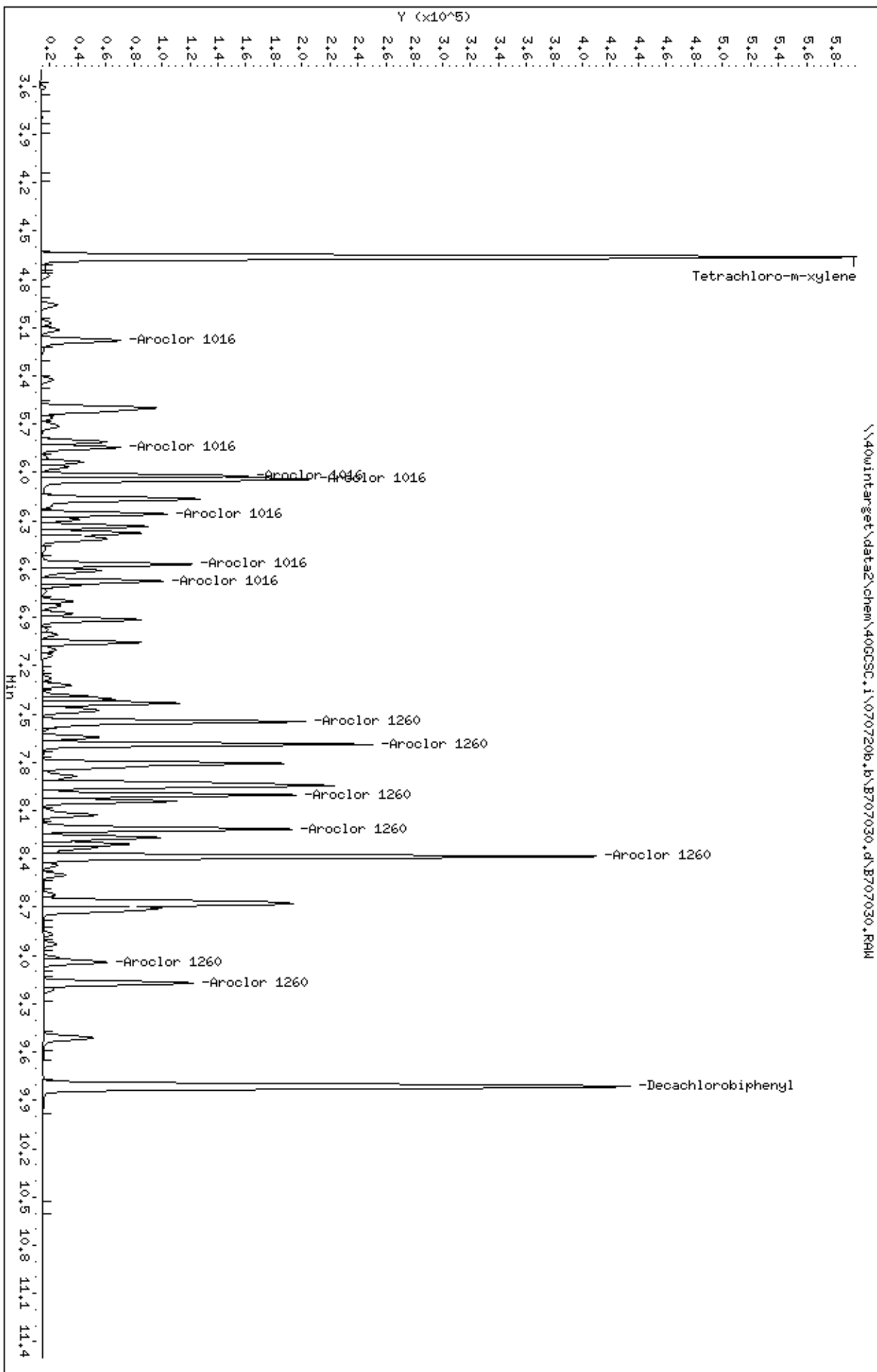
Sample Info: 1660-CALSA,254173:1

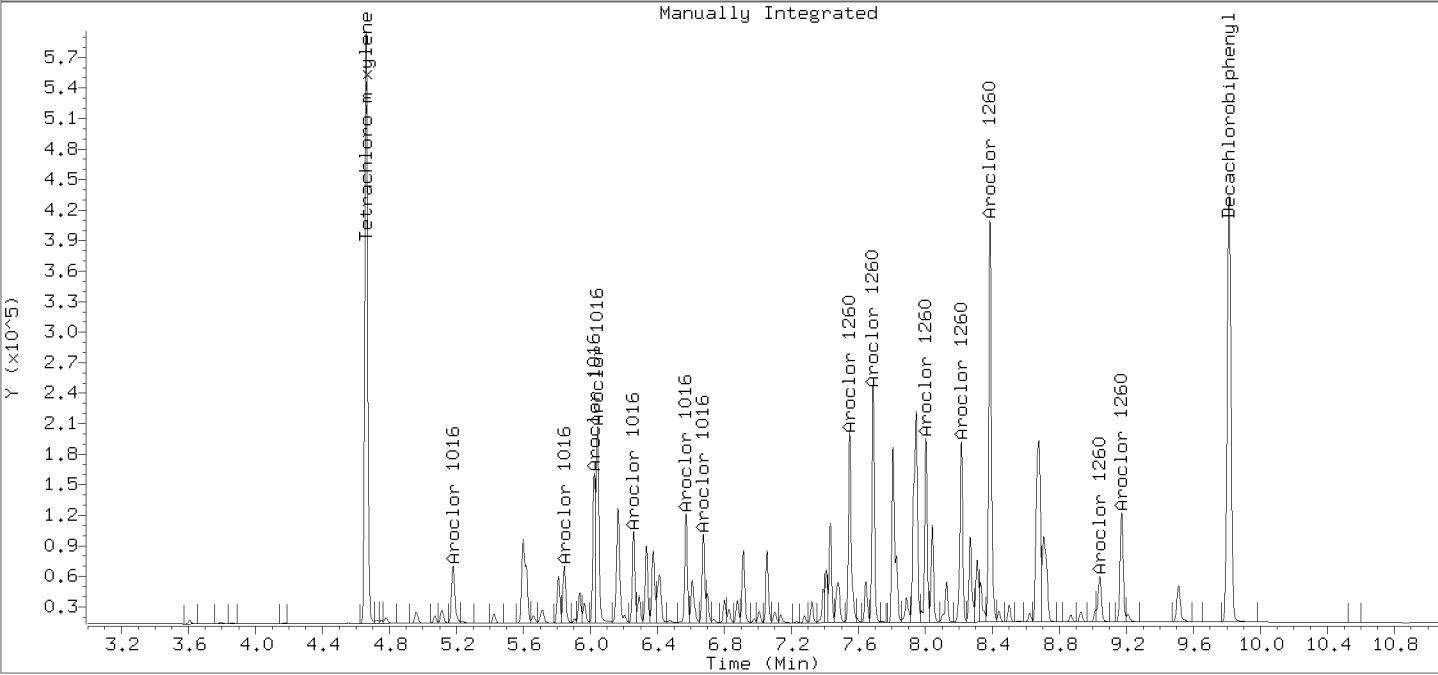
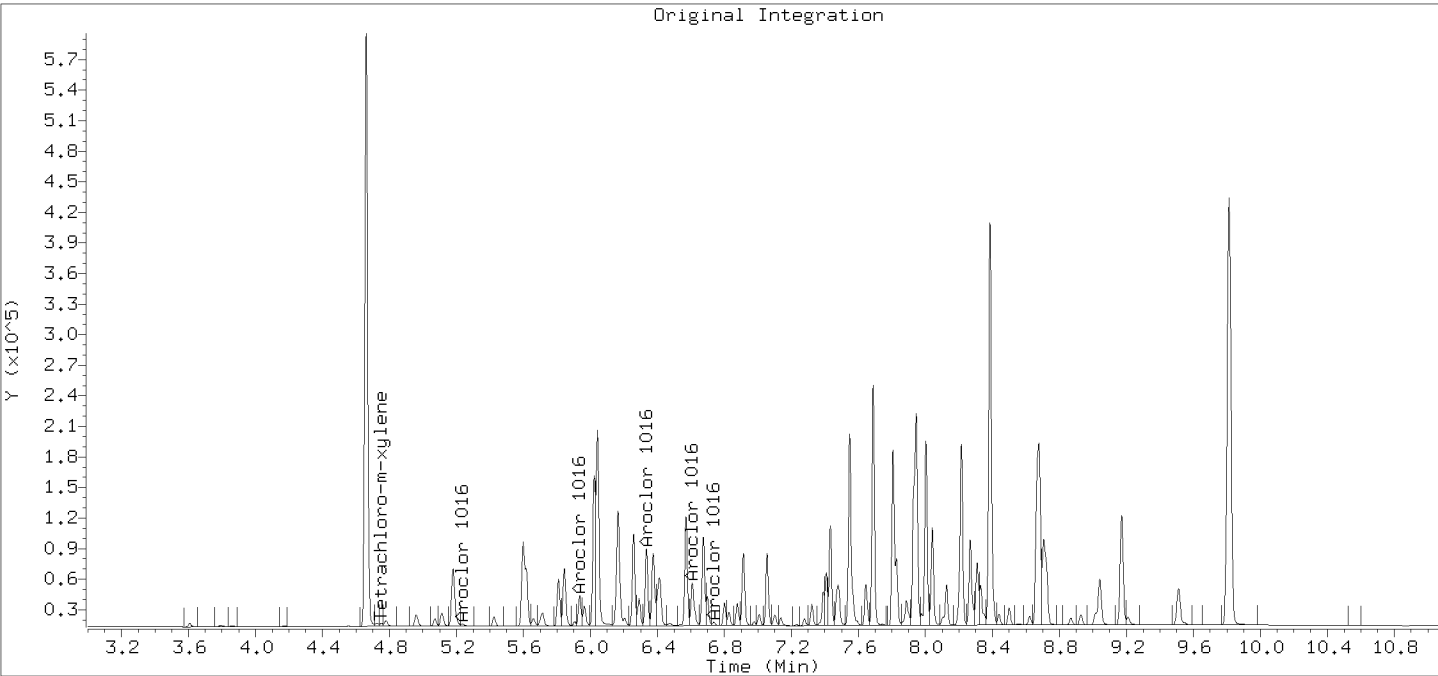
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1016	2952	79748	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO
Aroclor 1260	0	221083	CO

Tetrachloro-m-xylene	3374	703204	BA
Decachlorobiphenyl	0	681156	
=====			

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746162ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:17

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720A.BVA707032.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	5.126	5.093	5.153	77909.2000	77892.0000	-0.0221
Aroclor 1242	2	Averaged	5.513	5.48	5.54	159153.300	160656.000	0.9442
Aroclor 1242	3	Averaged	5.963	5.93	5.99	131854.400	129480.000	-1.8008
Aroclor 1242	4	Averaged	5.985	5.952	6.012	230117.850	235402.000	2.2963
Aroclor 1242	5	Averaged	6.171	6.139	6.199	104282.350	102142.000	-2.0525
Aroclor 1242	6	Averaged	6.835	6.802	6.862	112821.750	106334.000	-5.7504
Aroclor 1242	7	Averaged	6.86	6.828	6.888	137914.400	135300.000	-1.8957
Decachlorobiphenyl		Averaged	9.545	9.512	9.58	5782820.00	5655000.00	-2.2103
Tetrachloro-m-xylene		Averaged	4.726	4.692	4.76	5809248.66	5587760.00	-3.8127

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746178ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:17

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720B.B\B707032.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	5.18	5.149	5.209	74213.1000	71454.0000	-3.7178
Aroclor 1242	2	Averaged	5.598	5.567	5.627	138316.150	139806.000	1.0771
Aroclor 1242	3	Averaged	6.023	5.991	6.051	130785.250	131664.000	0.6719
Aroclor 1242	4	Averaged	6.041	6.01	6.07	214660.000	199660.000	-6.9878
Aroclor 1242	5	Averaged	6.258	6.227	6.287	88486.0500	85344.0000	-3.5509
Aroclor 1242	6	Averaged	6.876	6.846	6.906	110524.700	102362.000	-7.3854
Aroclor 1242	7	Averaged	6.916	6.886	6.946	132636.250	122216.000	-7.8563
Decachlorobiphenyl		Averaged	9.811	9.782	9.842	5274288.00	5189780.00	-1.6023
Tetrachloro-m-xylene		Averaged	4.661	4.63	4.69	4965813.33	4838640.00	-2.5610

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746164ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:36

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720A.BVA707033.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	5.963	5.931	5.991	98429.9000	91418.0000	-7.1237
Aroclor 1248	2	Averaged	5.985	5.952	6.012	139543.200	130378.000	-6.5680
Aroclor 1248	3	Averaged	6.171	6.14	6.2	58637.4000	52090.0000	-11.1659
Aroclor 1248	4	Averaged	6.335	6.302	6.362	97495.2500	96916.0000	-0.5941
Aroclor 1248	5	Averaged	6.48	6.448	6.508	183383.500	179236.000	-2.2617
Aroclor 1248	6	Averaged	6.555	6.523	6.583	117896.000	120046.000	1.8236
Aroclor 1248	7	Averaged	6.765	6.733	6.793	106682.950	111842.000	4.8359
Decachlorobiphenyl		Averaged	9.545	9.512	9.58	5782820.00	5701940.00	-1.3986
Tetrachloro-m-xylene		Averaged	4.726	4.692	4.76	5809248.66	5474400.00	-5.7641

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746190ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:36

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720B.B\B707033.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	6.023	5.992	6.052	101801.200	90210.0000	-11.3861
Aroclor 1248	2	Averaged	6.041	6.011	6.071	123948.250	114372.000	-7.7260
Aroclor 1248	3	Averaged	6.258	6.228	6.288	49692.0500	42758.0000	-13.9540
Aroclor 1248	4	Averaged	6.411	6.38	6.44	92225.7000	90496.0000	-1.8755
Aroclor 1248	5	Averaged	6.57	6.54	6.6	166591.400	159514.000	-4.2484
Aroclor 1248	6	Averaged	6.675	6.644	6.704	157416.000	156108.000	-0.8309
Aroclor 1248	7	Averaged	6.826	6.797	6.857	104422.300	104100.000	-0.3087
Decachlorobiphenyl		Averaged	9.811	9.782	9.842	5274288.00	5241600.00	-0.6198
Tetrachloro-m-xylene		Averaged	4.66	4.63	4.69	4965813.33	4823060.00	-2.8747

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746185ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:54

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720A.BVA707034.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1254	1	Averaged	7.193	7.159	7.227	112667.400	108282.000	-3.8923
Aroclor 1254	2	Averaged	7.226	7.193	7.261	215384.250	205758.000	-4.4693
Aroclor 1254	3	Averaged	7.32	7.286	7.354	365063.100	341826.000	-6.3652
Aroclor 1254	4	Averaged	7.523	7.49	7.558	281205.300	264764.000	-5.8467
Aroclor 1254	5	Averaged	7.733	7.699	7.767	221817.100	216736.000	-2.2907
Aroclor 1254	6	Averaged	7.856	7.824	7.892	371117.250	357380.000	-3.7016
Aroclor 1254	7	Averaged	8.065	8.032	8.1	105935.350	102372.000	-3.3637
Decachlorobiphenyl		Averaged	9.543	9.512	9.58	5782820.00	5715080.00	-1.1714
Tetrachloro-m-xylene		Averaged	4.726	4.692	4.76	5809248.66	5592440.00	-3.7321

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746166ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 22:54

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720B.B\B707034.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1254	1	Averaged	7.276	7.248	7.308	95934.0000	90280.0000	-5.8936
Aroclor 1254	2	Averaged	7.321	7.292	7.352	186083.700	176018.000	-5.4092
Aroclor 1254	3	Averaged	7.408	7.379	7.439	379832.150	361896.000	-4.7221
Aroclor 1254	4	Averaged	7.566	7.538	7.598	263930.750	248290.000	-5.9261
Aroclor 1254	5	Averaged	7.82	7.792	7.852	164178.900	150326.000	-8.4377
Aroclor 1254	6	Averaged	7.945	7.917	7.977	329464.000	317882.000	-3.5154
Aroclor 1254	7	Averaged	8.198	8.17	8.23	93621.9000	91256.0000	-2.5271
Decachlorobiphenyl		Averaged	9.813	9.782	9.842	5274288.00	5296560.00	0.4223
Tetrachloro-m-xylene		Averaged	4.661	4.63	4.69	4965813.33	4903660.00	-1.2516

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:42

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746183ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 23:12

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720A.BVA707035.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.126	5.095	5.155	96780.6500	93632.0000	-3.2534
Aroclor 1016	2	Averaged	5.731	5.701	5.761	93354.4000	89052.0000	-4.6087
Aroclor 1016	3	Averaged	5.963	5.932	5.992	172824.450	168748.000	-2.3587
Aroclor 1016	4	Averaged	5.985	5.954	6.014	303170.700	289990.000	-4.3476
Aroclor 1016	5	Averaged	6.171	6.141	6.201	139327.700	128250.000	-7.9508
Aroclor 1016	6	Averaged	6.48	6.449	6.509	147844.800	139296.000	-5.7823
Aroclor 1016	7	Averaged	6.555	6.524	6.584	80326.2000	76612.0000	-4.6239
Aroclor 1260	1	Averaged	7.453	7.423	7.483	256738.250	249364.000	-2.8723
Aroclor 1260	2	Averaged	7.648	7.619	7.679	409700.300	389204.000	-5.0028
Aroclor 1260	3	Averaged	7.931	7.9	7.96	267171.450	251028.000	-6.0424
Aroclor 1260	4	Averaged	8.108	8.078	8.138	258612.400	251896.000	-2.5971
Aroclor 1260	5	Averaged	8.325	8.295	8.355	611950.850	589710.000	-3.6344
Aroclor 1260	6	Averaged	8.851	8.82	8.88	106688.050	91964.0000	-13.8010
Aroclor 1260	7	Averaged	9.066	9.038	9.098	194306.200	189096.000	-2.6814
Decachlorobiphenyl		Averaged	9.545	9.512	9.58	5782820.00	5801120.00	0.3165
Tetrachloro-m-xylene		Averaged	4.726	4.692	4.76	5809248.66	5667520.00	-2.4397

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13746189ICV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/07/2020 Time: 23:12

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 070720B.B\B707035.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.18	5.149	5.209	90119.2000	83012.0000	-7.8864
Aroclor 1016	2	Averaged	5.845	5.814	5.874	79971.7500	74920.0000	-6.3169
Aroclor 1016	3	Averaged	6.023	5.992	6.052	166027.250	153770.000	-7.3827
Aroclor 1016	4	Averaged	6.041	6.011	6.071	269698.500	258580.000	-4.1226
Aroclor 1016	5	Averaged	6.258	6.228	6.288	113455.450	105940.000	-6.6241
Aroclor 1016	6	Averaged	6.57	6.54	6.6	133796.200	126630.000	-5.3561
Aroclor 1016	7	Averaged	6.675	6.643	6.703	109092.600	104112.000	-4.5655
Aroclor 1260	1	Averaged	7.546	7.518	7.578	250194.000	240362.000	-3.9298
Aroclor 1260	2	Averaged	7.688	7.658	7.718	268015.700	255172.000	-4.7921
Aroclor 1260	3	Averaged	8.001	7.972	8.032	226460.850	210568.000	-7.0179
Aroclor 1260	4	Averaged	8.213	8.184	8.244	236616.900	231686.000	-2.0839
Aroclor 1260	5	Averaged	8.383	8.354	8.414	472639.550	485888.000	2.8031
Aroclor 1260	6	Averaged	9.04	9.01	9.07	76381.3000	73126.0000	-4.2619
Aroclor 1260	7	Averaged	9.17	9.141	9.201	152089.750	156590.000	2.9589
Decachlorobiphenyl		Averaged	9.811	9.782	9.842	5274288.00	5366080.00	1.7404
Tetrachloro-m-xylene		Averaged	4.66	4.63	4.69	4965813.33	4851180.00	-2.3085

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13768619CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/14/2020 Time: 14:15

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320A.BVA713085.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.146	5.095	5.155	96780.6500	90314.0000	-6.6818
Aroclor 1016	2	Averaged	5.75	5.701	5.761	93354.4000	87068.0000	-6.7339
Aroclor 1016	3	Averaged	5.98	5.932	5.992	172824.450	163150.000	-5.5978
Aroclor 1016	4	Averaged	6.001	5.954	6.014	303170.700	296362.000	-2.2458
Aroclor 1016	5	Averaged	6.188	6.141	6.201	139327.700	126512.000	-9.1982
Aroclor 1016	6	Averaged	6.495	6.449	6.509	147844.800	138476.000	-6.3369
Aroclor 1016	7	Averaged	6.57	6.524	6.584	80326.2000	76952.0000	-4.2006
Aroclor 1260	1	Averaged	7.466	7.423	7.483	256738.250	238932.000	-6.9356
Aroclor 1260	2	Averaged	7.663	7.619	7.679	409700.300	371030.000	-9.4387
Aroclor 1260	3	Averaged	7.943	7.9	7.96	267171.450	240554.000	-9.9627
Aroclor 1260	4	Averaged	8.121	8.078	8.138	258612.400	230470.000	-10.8821
Aroclor 1260	5	Averaged	8.34	8.295	8.355	611950.850	543098.000	-11.2514
Aroclor 1260	6	Averaged	8.866	8.82	8.88	106688.050	77836.0000	-27.0434
Aroclor 1260	7	Averaged	9.083	9.038	9.098	194306.200	173196.000	-10.8644
Decachlorobiphenyl		Averaged	9.563	9.512	9.58	5782820.00	5252520.00	-9.1703
Tetrachloro-m-xylene		Averaged	4.745	4.692	4.76	5809248.66	5569640.00	-4.1246

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:42

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13768618CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/14/2020 Time: 14:15

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320B.B\B713085.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.2	5.149	5.209	90119.2000	85712.0000	-4.8904
Aroclor 1016	2	Averaged	5.863	5.814	5.874	79971.7500	77512.0000	-3.0758
Aroclor 1016	3	Averaged	6.04	5.992	6.052	166027.250	165858.000	-0.1019
Aroclor 1016	4	Averaged	6.06	6.011	6.071	269698.500	264708.000	-1.8504
Aroclor 1016	5	Averaged	6.275	6.228	6.288	113455.450	109906.000	-3.1285
Aroclor 1016	6	Averaged	6.586	6.54	6.6	133796.200	130030.000	-2.8149
Aroclor 1016	7	Averaged	6.69	6.643	6.703	109092.600	108076.000	-0.9319
Aroclor 1260	1	Averaged	7.561	7.518	7.578	250194.000	238128.000	-4.8227
Aroclor 1260	2	Averaged	7.701	7.658	7.718	268015.700	261454.000	-2.4483
Aroclor 1260	3	Averaged	8.016	7.972	8.032	226460.850	206500.000	-8.8143
Aroclor 1260	4	Averaged	8.228	8.184	8.244	236616.900	214006.000	-9.5559
Aroclor 1260	5	Averaged	8.4	8.354	8.414	472639.550	447658.000	-5.2855
Aroclor 1260	6	Averaged	9.058	9.01	9.07	76381.3000	64710.0000	-15.2803
Aroclor 1260	7	Averaged	9.19	9.141	9.201	152089.750	145440.000	-4.3723
Decachlorobiphenyl		Averaged	9.835	9.782	9.842	5274288.00	4847140.00	-8.0987
Tetrachloro-m-xylene		Averaged	4.68	4.63	4.69	4965813.33	5061160.00	1.9201

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13768930CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/14/2020 Time: 22:02

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320A.BVA713106.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.148	5.095	5.155	96780.6500	91068.0000	-5.9027
Aroclor 1016	2	Averaged	5.751	5.701	5.761	93354.4000	90134.0000	-3.4496
Aroclor 1016	3	Averaged	5.981	5.932	5.992	172824.450	174966.000	1.2391
Aroclor 1016	4	Averaged	6.005	5.954	6.014	303170.700	294972.000	-2.7043
Aroclor 1016	5	Averaged	6.19	6.141	6.201	139327.700	130362.000	-6.4350
Aroclor 1016	6	Averaged	6.498	6.449	6.509	147844.800	141350.000	-4.3930
Aroclor 1016	7	Averaged	6.573	6.524	6.584	80326.2000	78246.0000	-2.5897
Aroclor 1260	1	Averaged	7.468	7.423	7.483	256738.250	245144.000	-4.5160
Aroclor 1260	2	Averaged	7.663	7.619	7.679	409700.300	378356.000	-7.6505
Aroclor 1260	3	Averaged	7.945	7.9	7.96	267171.450	243296.000	-8.9364
Aroclor 1260	4	Averaged	8.121	8.078	8.138	258612.400	232952.000	-9.9223
Aroclor 1260	5	Averaged	8.34	8.295	8.355	611950.850	549836.000	-10.1503
Aroclor 1260	6	Averaged	8.868	8.82	8.88	106688.050	78168.0000	-26.7322
Aroclor 1260	7	Averaged	9.085	9.038	9.098	194306.200	175510.000	-9.6735
Decachlorobiphenyl		Averaged	9.566	9.512	9.58	5782820.00	5380380.00	-6.9592
Tetrachloro-m-xylene		Averaged	4.748	4.692	4.76	5809248.66	5650080.00	-2.7399

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13768926CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/14/2020 Time: 22:02

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320B.B\B713106.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.203	5.149	5.209	90119.2000	87430.0000	-2.9840
Aroclor 1016	2	Averaged	5.865	5.814	5.874	79971.7500	80214.0000	0.3029
Aroclor 1016	3	Averaged	6.043	5.992	6.052	166027.250	165692.000	-0.2019
Aroclor 1016	4	Averaged	6.061	6.011	6.071	269698.500	279486.000	3.6291
Aroclor 1016	5	Averaged	6.276	6.228	6.288	113455.450	113416.000	-0.0348
Aroclor 1016	6	Averaged	6.588	6.54	6.6	133796.200	134168.000	0.2779
Aroclor 1016	7	Averaged	6.693	6.643	6.703	109092.600	110782.000	1.5486
Aroclor 1260	1	Averaged	7.563	7.518	7.578	250194.000	240820.000	-3.7467
Aroclor 1260	2	Averaged	7.703	7.658	7.718	268015.700	263238.000	-1.7826
Aroclor 1260	3	Averaged	8.018	7.972	8.032	226460.850	206900.000	-8.6376
Aroclor 1260	4	Averaged	8.23	8.184	8.244	236616.900	213380.000	-9.8205
Aroclor 1260	5	Averaged	8.403	8.354	8.414	472639.550	456542.000	-3.4059
Aroclor 1260	6	Averaged	9.061	9.01	9.07	76381.3000	65476.0000	-14.2774
Aroclor 1260	7	Averaged	9.193	9.141	9.201	152089.750	148746.000	-2.1985
Decachlorobiphenyl		Averaged	9.838	9.782	9.842	5274288.00	4934740.00	-6.4378
Tetrachloro-m-xylene		Averaged	4.683	4.63	4.69	4965813.33	5153960.00	3.7888

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:41

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13769302CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/15/2020 Time: 03:35

Instrument ID: 40GCSC GC Column: Col 1

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320A.BVA713121.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.146	5.095	5.155	96780.6500	94978.0000	-1.8626
Aroclor 1016	2	Averaged	5.75	5.701	5.761	93354.4000	93574.0000	0.2352
Aroclor 1016	3	Averaged	5.981	5.932	5.992	172824.450	178674.000	3.3847
Aroclor 1016	4	Averaged	6.003	5.954	6.014	303170.700	305634.000	0.8125
Aroclor 1016	5	Averaged	6.19	6.141	6.201	139327.700	134998.000	-3.1076
Aroclor 1016	6	Averaged	6.496	6.449	6.509	147844.800	145732.000	-1.4291
Aroclor 1016	7	Averaged	6.571	6.524	6.584	80326.2000	80178.0000	-0.1845
Aroclor 1260	1	Averaged	7.466	7.423	7.483	256738.250	254954.000	-0.6950
Aroclor 1260	2	Averaged	7.661	7.619	7.679	409700.300	396452.000	-3.2337
Aroclor 1260	3	Averaged	7.943	7.9	7.96	267171.450	258158.000	-3.3737
Aroclor 1260	4	Averaged	8.121	8.078	8.138	258612.400	247616.000	-4.2521
Aroclor 1260	5	Averaged	8.338	8.295	8.355	611950.850	583920.000	-4.5806
Aroclor 1260	6	Averaged	8.866	8.82	8.88	106688.050	82690.0000	-22.4937
Aroclor 1260	7	Averaged	9.083	9.038	9.098	194306.200	184858.000	-4.8625
Decachlorobiphenyl		Averaged	9.563	9.512	9.58	5782820.00	5606460.00	-3.0497
Tetrachloro-m-xylene		Averaged	4.745	4.692	4.76	5809248.66	5897620.00	1.5212

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:44

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

13769301CCV

Lab Name: Pace Analytical - Green Bay

Calibration Date: 07/15/2020 Time: 03:35

Instrument ID: 40GCSC GC Column: Col 2

Init. Calib. Date(s): 07/07/2020 07/07/2020

Lab File ID: 071320B.B\B713121.D

Init. Calib. Time(s): 13:48 21:41

SDG No.: 40209774

COMPOUND	PEAK	CURVE TYPE	RT	RT WINDOW		RRF or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	5.201	5.149	5.209	90119.2000	91186.0000	1.1838
Aroclor 1016	2	Averaged	5.863	5.814	5.874	79971.7500	82322.0000	2.9389
Aroclor 1016	3	Averaged	6.041	5.992	6.052	166027.250	179992.000	8.4111
Aroclor 1016	4	Averaged	6.061	6.011	6.071	269698.500	279472.000	3.6239
Aroclor 1016	5	Averaged	6.276	6.228	6.288	113455.450	118236.000	4.2136
Aroclor 1016	6	Averaged	6.588	6.54	6.6	133796.200	138792.000	3.7339
Aroclor 1016	7	Averaged	6.691	6.643	6.703	109092.600	116852.000	7.1127
Aroclor 1260	1	Averaged	7.561	7.518	7.578	250194.000	257748.000	3.0193
Aroclor 1260	2	Averaged	7.701	7.658	7.718	268015.700	284782.000	6.2557
Aroclor 1260	3	Averaged	8.016	7.972	8.032	226460.850	224936.000	-0.6733
Aroclor 1260	4	Averaged	8.228	8.184	8.244	236616.900	236418.000	-0.0841
Aroclor 1260	5	Averaged	8.4	8.354	8.414	472639.550	491598.000	4.0112
Aroclor 1260	6	Averaged	9.058	9.01	9.07	76381.3000	71720.0000	-6.1027
Aroclor 1260	7	Averaged	9.19	9.141	9.201	152089.750	155302.000	2.1121
Decachlorobiphenyl		Averaged	9.835	9.782	9.842	5274288.00	5354580.00	1.5223
Tetrachloro-m-xylene		Averaged	4.681	4.63	4.69	4965813.33	5363840.00	8.0153

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/15/2020 1:45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707032.d
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 07-JUL-2020 22:17
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-icv,254126:1
Misc Info : 21329,AR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.695	1091	793	0.727	0.05		
3.885	892	310	0.347	0.04		
4.132	875	493	0.564	0.04		
4.657	1633	1082	0.663	0.08		
4.727	279388	188093	0.673	15.33	\$ 2 Tetrachloro-m-xylene	BA
4.910	7671	3882	0.506	0.42		
5.078	7326	4943	0.675	0.40		
5.127	38947	22949	0.589	2.13	3 Aroclor 1242	CO
5.172	7688	3661	0.476	0.42		
5.270	5993	3767	0.629	0.32		
5.513	80329	39262	0.489	4.40	3 Aroclor 1242	CO
5.570	4818	2722	0.565	0.26		
5.643	10005	5518	0.552	0.54		
5.705	22369	17932	0.802	1.22		
5.732	36688	23894	0.651	2.01		
5.800	2422	1154	0.477	0.13		
5.910	25294	12442	0.492	1.38		
5.963	64741	56429	0.872	3.55	3 Aroclor 1242	CO
5.985	117701	75636	0.643	6.45	3 Aroclor 1242	CO
6.038	13927	8601	0.618	0.76		
6.078	4260	3317	0.779	0.23		
6.112	76647	44858	0.585	4.20		
6.172	51072	33324	0.652	2.80	3 Aroclor 1242	CO
6.275	41029	28681	0.699	2.25		
6.300	39025	29993	0.769	2.14		
6.335	34618	21524	0.622	1.89		
6.480	77212	44132	0.572	4.23		
6.555	35809	27988	0.782	1.96		
6.588	46387	28055	0.605	2.54		
6.683	18397	12090	0.657	1.00		
6.728	4117	3256	0.791	0.22		
6.765	33162	24663	0.744	1.82		
6.800	13285	10257	0.772	0.72		
6.835	53167	43885	0.825	2.91	3 Aroclor 1242	CO
6.860	67651	45433	0.672	3.71	3 Aroclor 1242	CO
6.927	3781	2481	0.656	0.20		
6.995	43787	28210	0.644	2.40		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.022	50461	29697	0.589	2.76	
7.107	1282	845	0.659	0.07	
7.157	1502	1374	0.915	0.08	
7.195	9785	7453	0.762	0.53	
7.228	11921	9872	0.828	0.65	
7.263	8324	6436	0.773	0.45	
7.320	17822	14412	0.809	0.97	
7.417	10344	5845	0.565	0.56	
7.455	1573	1217	0.774	0.08	
7.488	2695	1454	0.540	0.14	
7.525	13398	9973	0.744	0.73	
7.573	2074	1310	0.632	0.11	
7.650	2306	1162	0.504	0.12	
7.733	12601	9358	0.743	0.69	
7.858	2451	1761	0.719	0.13	
8.067	871	574	0.659	0.04	
8.692	805	242	0.301	0.04	
8.765	3041	2481	0.816	0.16	
8.837	4429	3319	0.749	0.24	
9.345	6270	4117	0.657	0.34	
9.545	282750	179303	0.634	15.85	\$ 42 Decachlorobiphenyl
9.677	1096	318	0.290	0.06	
9.812	1048	579	0.552	0.05	
	1822048	1198812		100.000	

Total unknown % area = 43

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707032.d
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 07-JUL-2020 22:17
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-icv,254126:1
Misc Info : 21329,AR1242
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	279388	0.05000	0.048			(M)	BA

3 Aroclor 1242					CAS #: 53469-21-9				
5.126	5.123	0.003	38946	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.513	5.510	0.003	80328	0.50000	0.50	0.00-	20.00	206.25	CO
5.963	5.960	0.003	64740	0.50000	0.49	0.00-	20.00	166.23	CO
5.985	5.982	0.003	117701	0.50000	0.51	0.00-	20.00	302.22	CO
6.171	6.169	0.002	51071	0.50000	0.49	0.00-	20.00	131.13	CO
6.835	6.832	0.003	53167	0.50000	0.47	0.00-	20.00	136.51	CO
6.860	6.858	0.002	67650	0.50000	0.49	0.00-	20.00	173.70	CO
Average of Peak Amounts =					0.49286				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.545	9.546	-0.001	282750	0.05000	0.049				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 22:17

Client ID: 1242-ICV

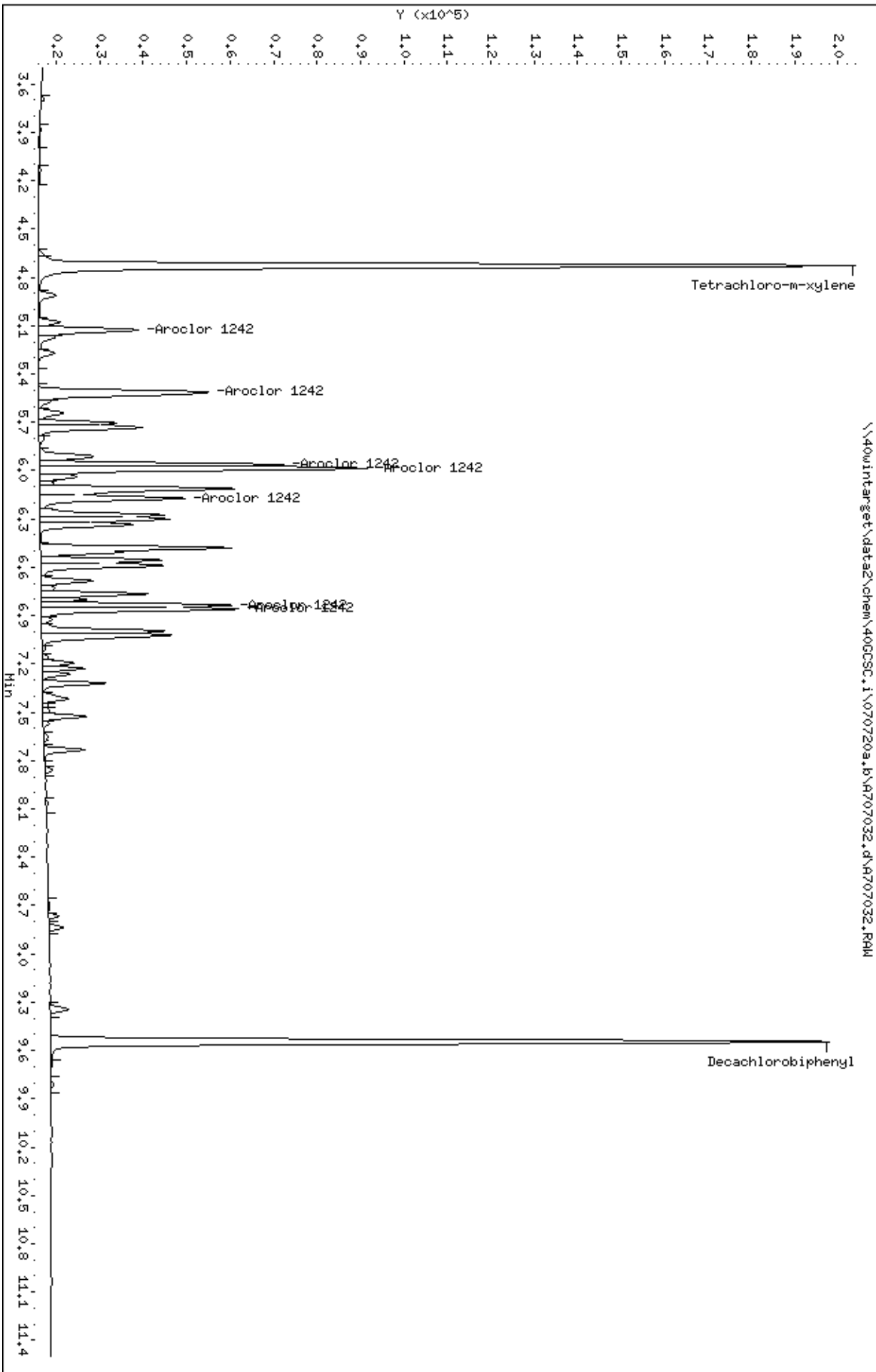
Sample Info: 1242-ICV,254126:1

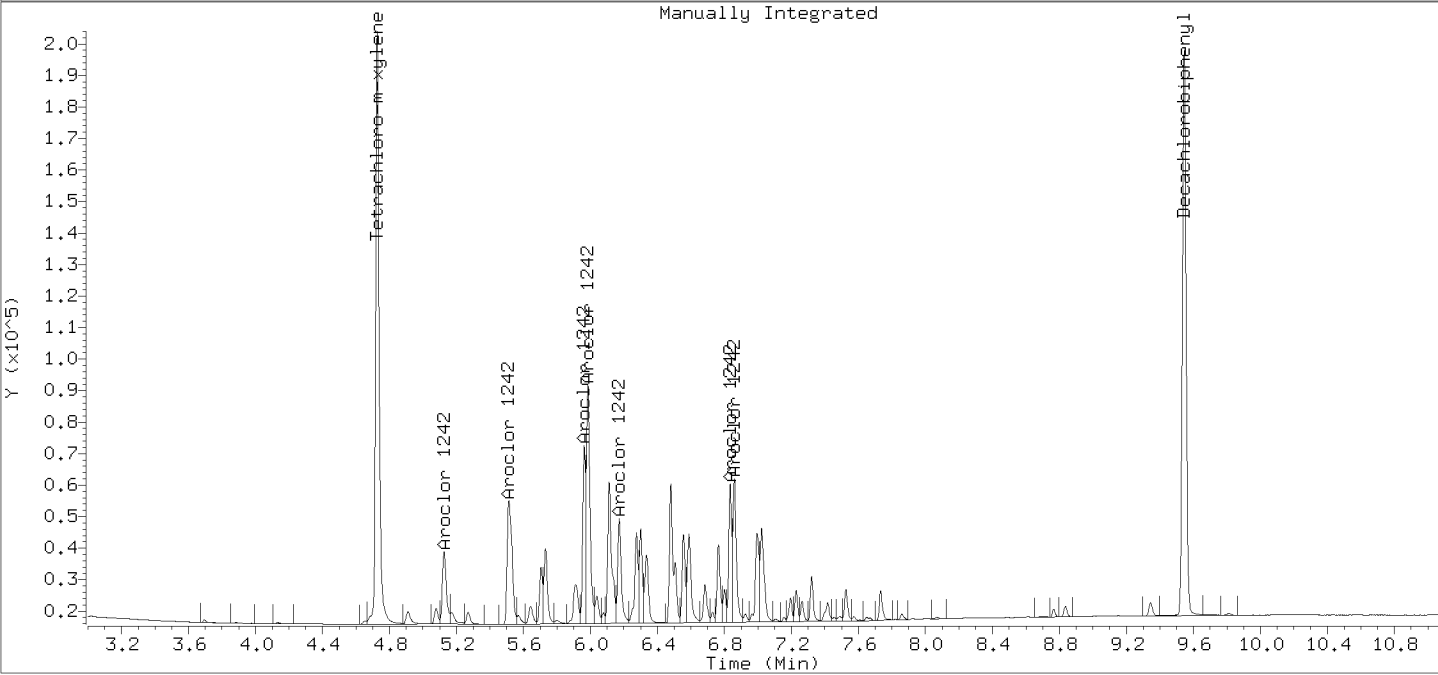
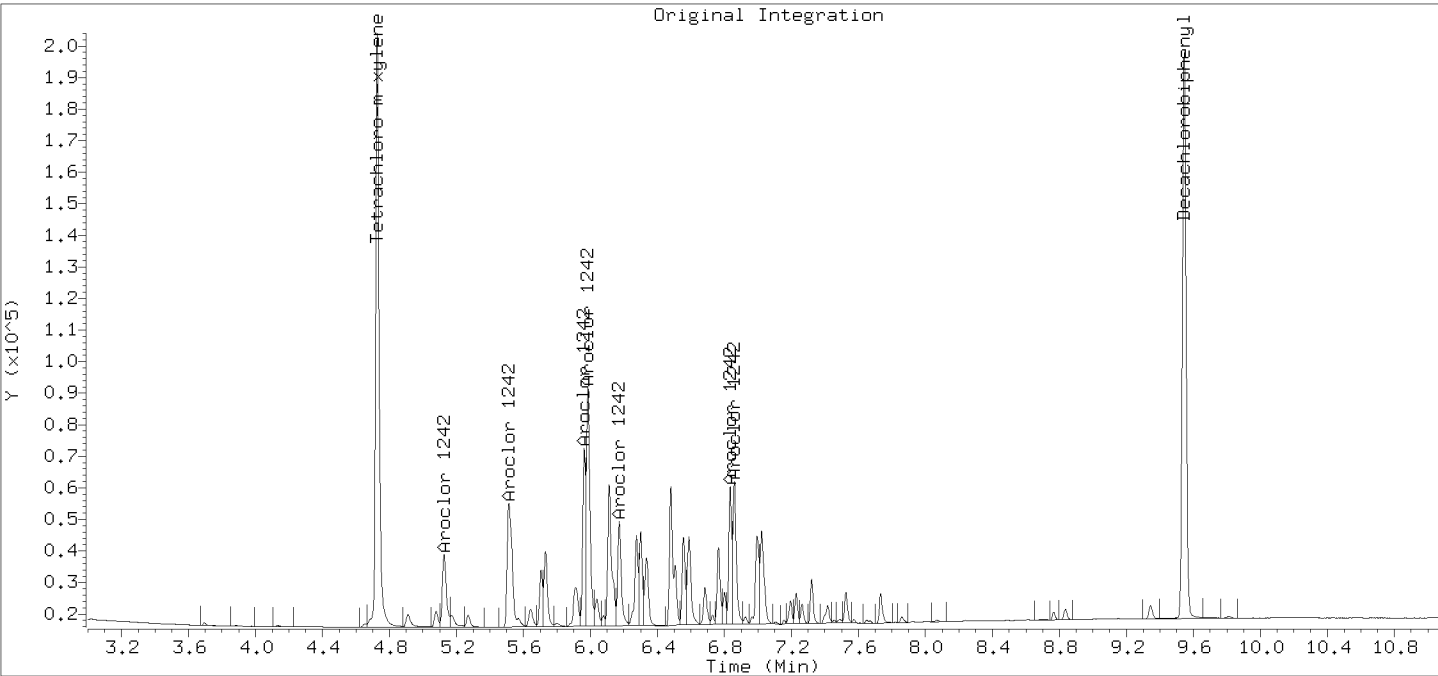
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Aroclor 1242	39020	38946	CO
Tetrachloro-m-xylene	279825	279388	BA
Decachlorobiphenyl	282750	282750	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707032.d
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 07-JUL-2020 22:17
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-icv,254126:1
Misc Info : 21329,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.608	829	848	1.023	0.05		
3.793	509	434	0.853	0.03		
4.662	241932	204904	0.847	14.81	\$ 2 Tetrachloro-m-xylene	BA
4.725	1641	1115	0.680	0.10		
4.752	1710	1303	0.762	0.10		
4.780	3900	2557	0.656	0.23		
4.962	6773	4854	0.717	0.41		
5.072	2934	2372	0.808	0.17		
5.113	7675	5640	0.735	0.47		
5.180	35728	25176	0.705	2.18	3 Aroclor 1242	CO
5.235	1231	820	0.666	0.07		
5.425	4812	3810	0.792	0.29		
5.598	69903	37159	0.532	4.28	3 Aroclor 1242	CO
5.660	4520	3211	0.710	0.27		
5.713	9224	5348	0.580	0.56		
5.810	22027	18869	0.857	1.34		
5.845	30813	24507	0.795	1.88		
5.907	1679	1345	0.801	0.10		
5.937	14150	11947	0.844	0.86		
5.965	10515	8049	0.765	0.64		
6.023	65833	59601	0.905	4.03	3 Aroclor 1242	CO
6.042	99830	78428	0.786	6.11	3 Aroclor 1242	CO
6.165	63959	46370	0.725	3.91		
6.205	4512	3371	0.747	0.27		
6.258	42673	37086	0.869	2.61	3 Aroclor 1242	CO
6.290	13403	11076	0.826	0.82		
6.335	33368	29092	0.872	2.04		
6.375	35405	29154	0.823	2.16		
6.413	34042	18773	0.551	2.08		
6.572	50941	44487	0.873	3.12		
6.608	31737	18446	0.581	1.94		
6.675	61523	40516	0.659	3.76		
6.735	4694	3234	0.689	0.28		
6.800	15697	14079	0.897	0.96		
6.828	31664	27195	0.859	1.93		
6.877	51181	44616	0.872	3.13	3 Aroclor 1242	CO
6.917	61109	51325	0.840	3.74	3 Aroclor 1242	CO

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.977	5215	4063	0.779	0.31	
7.008	5787	4623	0.799	0.35	
7.055	11464	9812	0.856	0.70	
7.098	60486	50168	0.829	3.70	
7.138	10863	6519	0.600	0.66	
7.233	2078	1607	0.773	0.12	
7.278	8658	7018	0.811	0.53	
7.323	12307	9877	0.803	0.75	
7.370	7612	6758	0.888	0.46	
7.410	19987	14463	0.724	1.22	
7.493	1717	900	0.524	0.10	
7.538	7839	6123	0.781	0.48	
7.568	12583	10551	0.839	0.77	
7.668	2655	1212	0.456	0.16	
7.823	11881	9588	0.807	0.72	
7.947	2199	1633	0.743	0.13	
8.200	729	554	0.760	0.04	
8.870	825	253	0.307	0.05	
8.928	3492	2313	0.662	0.21	
9.015	4145	2952	0.712	0.25	
9.512	6449	3774	0.585	0.39	
9.812	259490	166598	0.642	16.17	\$ 42 Decachlorobiphenyl
	1632537	1242476		100.000	

Total unknown % area = 43

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707032.d
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 07-JUL-2020 22:17
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1242-icv,254126:1
Misc Info : 21329,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.661	4.660	0.001	241932	0.05000	0.049			(M)	BA

3 Aroclor 1242					CAS #: 53469-21-9				
5.180	5.179	0.001	35727	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
5.598	5.597	0.001	69903	0.50000	0.50	0.00-	20.00	195.66	CO
6.023	6.021	0.002	65832	0.50000	0.50	0.00-	20.00	184.26	CO
6.041	6.040	0.001	99830	0.50000	0.46	0.00-	20.00	279.42	CO
6.258	6.257	0.001	42672	0.50000	0.48	0.00-	20.00	119.44	CO
6.876	6.876	0.000	51181	0.50000	0.46	0.00-	20.00	143.26	CO
6.916	6.916	0.000	61108	0.50000	0.46	0.00-	20.00	171.04	CO
Average of Peak Amounts =					0.47714				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	259489	0.05000	0.049				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 22:17

Client ID: 1242-ICV

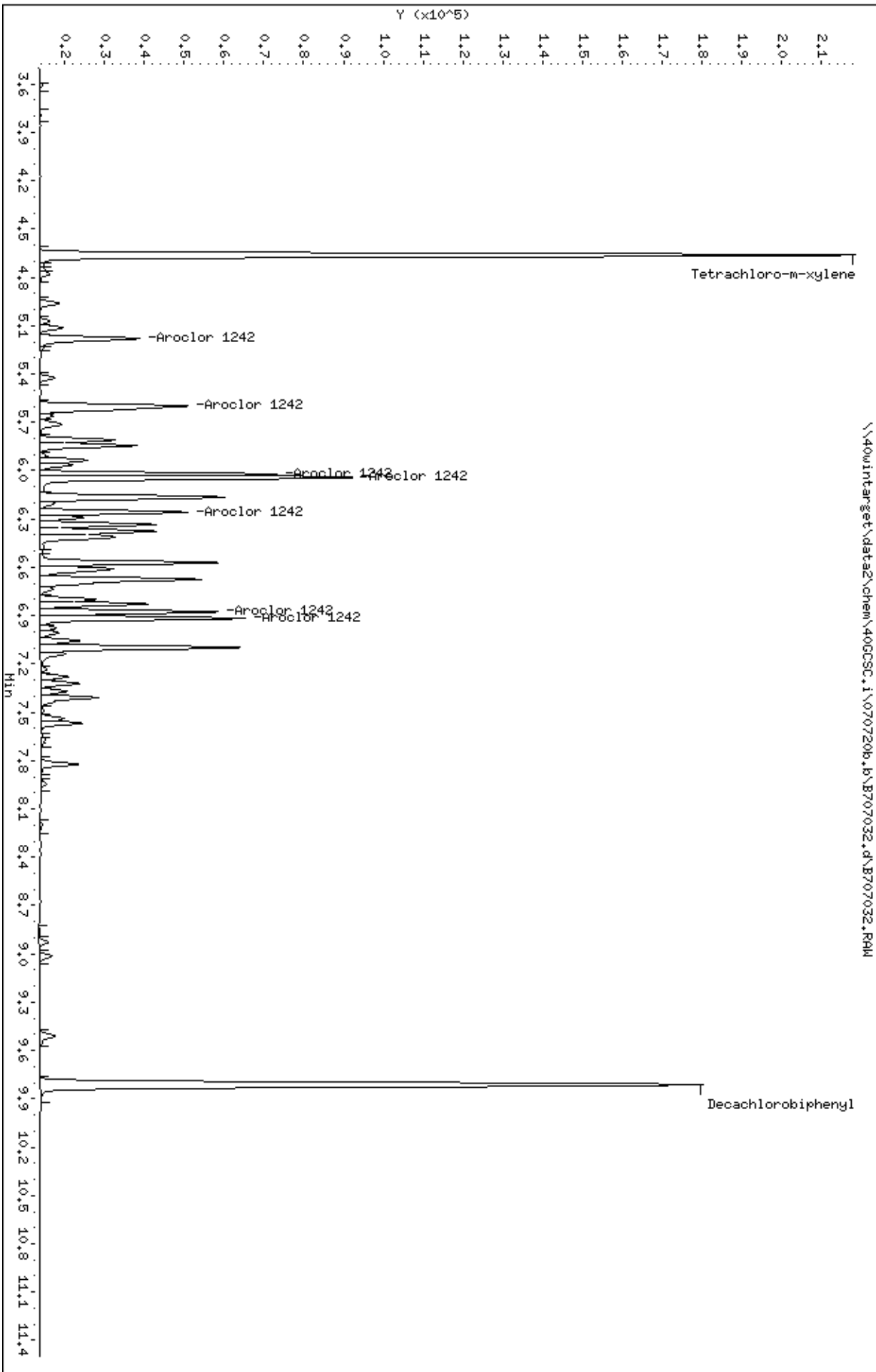
Sample Info: 1242-ICV,254126:1

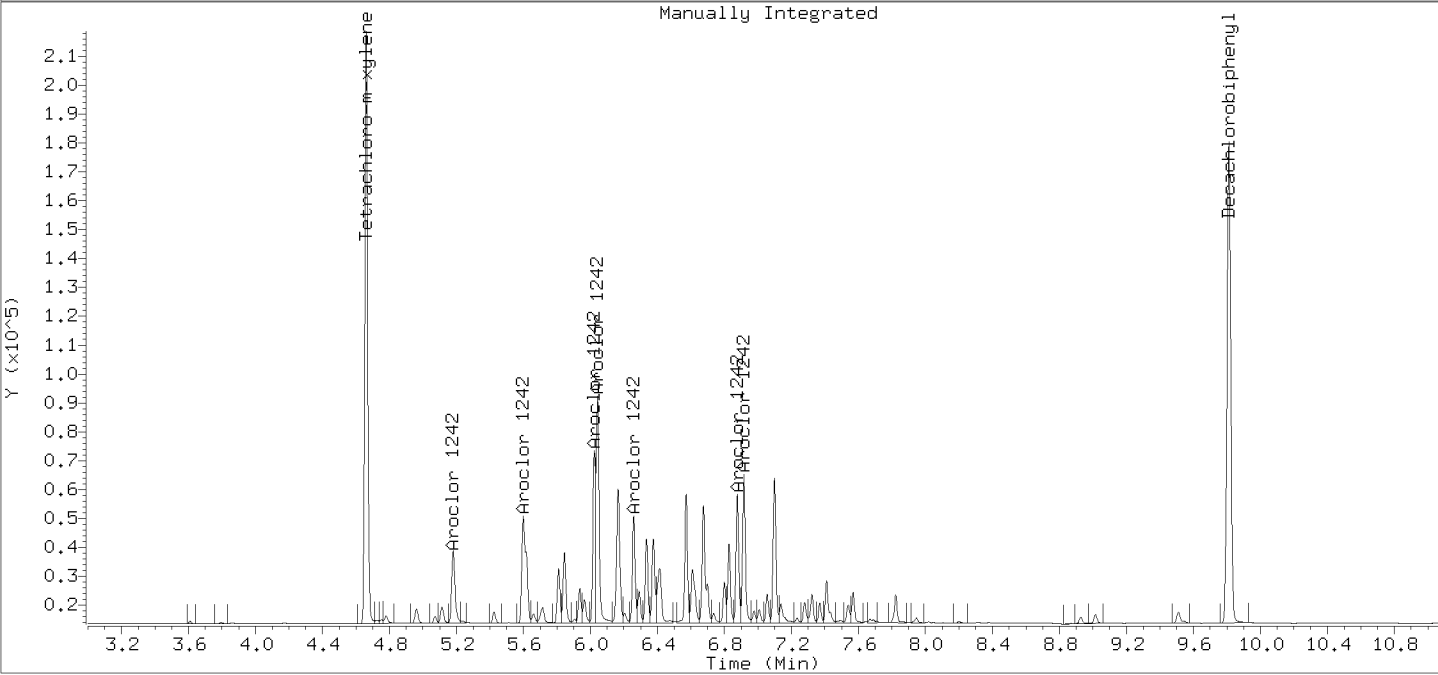
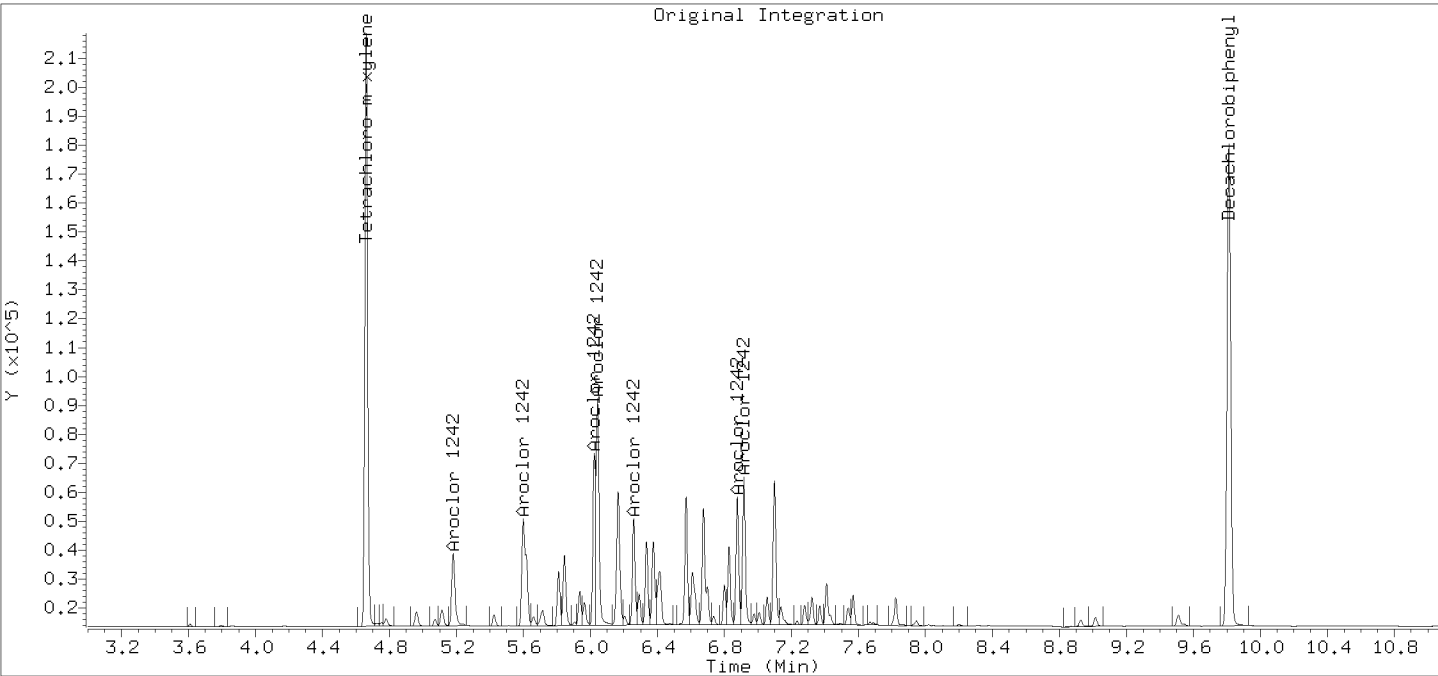
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Aroclor 1242	35609	35727	CO
Tetrachloro-m-xylene	241654	241932	BA
Decachlorobiphenyl	259489	259489	

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707033.d
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 07-JUL-2020 22:36
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-icv,254127:1
Misc Info : 21329,AR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.695	1116	814	0.730	0.05		
4.133	571	333	0.584	0.02		
4.660	556	545	0.980	0.02		
4.727	273721	188848	0.690	12.73	\$ 2 Tetrachloro-m-xylene	
5.077	506	333	0.658	0.02		
5.127	3500	2197	0.628	0.16		
5.175	4168	2068	0.496	0.19		
5.270	1559	961	0.617	0.07		
5.512	38452	19678	0.512	1.78		
5.642	1625	1163	0.716	0.07		
5.707	10092	8135	0.806	0.46		
5.733	13931	8851	0.635	0.64		
5.880	1068	940	0.880	0.04		
5.908	6849	4025	0.588	0.31		
5.963	45710	37995	0.831	2.12	12 Aroclor 1248	CO
5.985	65190	40983	0.629	3.03	12 Aroclor 1248	CO
6.038	15410	10152	0.659	0.71		
6.078	4965	3723	0.750	0.23		
6.112	25964	19488	0.751	1.20		
6.137	19177	14583	0.760	0.89		
6.172	26046	16295	0.626	1.21	12 Aroclor 1248	CO
6.275	127677	53326	0.418	5.93		
6.335	48459	30845	0.637	2.25	12 Aroclor 1248	CO
6.398	422	261	0.618	0.01		
6.480	89619	72494	0.809	4.16	12 Aroclor 1248	CO
6.505	33657	27050	0.804	1.56		
6.555	60023	48237	0.804	2.79	12 Aroclor 1248	CO
6.588	53576	33193	0.620	2.49		
6.683	25056	18095	0.722	1.16		
6.730	6238	4948	0.793	0.29		
6.765	55921	42990	0.769	2.60	12 Aroclor 1248	CO
6.800	35406	27829	0.786	1.64		
6.835	103724	84616	0.816	4.82		
6.860	118896	80430	0.676	5.53		
6.965	7471	7048	0.943	0.34		
6.998	180393	60860	0.337	8.39		
7.107	3375	2173	0.644	0.15		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.155	4735	4139	0.874	0.22	
7.195	29102	22004	0.756	1.35	
7.228	36617	31043	0.848	1.70	
7.263	24848	20132	0.810	1.15	
7.320	59657	48173	0.808	2.77	
7.417	25531	16585	0.650	1.18	
7.455	6364	4643	0.730	0.29	
7.488	7422	4563	0.615	0.34	
7.525	44205	34007	0.769	2.05	
7.573	6666	4007	0.601	0.31	
7.650	10801	5462	0.506	0.50	
7.732	45577	33269	0.730	2.12	
7.818	1276	1091	0.855	0.05	
7.858	13181	9062	0.688	0.61	
7.925	2351	1541	0.656	0.10	
8.067	4124	3052	0.740	0.19	
8.108	1032	821	0.796	0.04	
8.240	2478	1552	0.626	0.11	
8.327	2344	1699	0.725	0.10	
8.553	1806	1068	0.591	0.08	
8.612	514	327	0.636	0.02	
8.690	969	382	0.394	0.04	
8.767	3012	2407	0.799	0.14	
8.837	5009	3170	0.633	0.23	
9.068	657	452	0.688	0.03	
9.152	871	364	0.418	0.04	
9.345	6229	4059	0.652	0.28	
9.545	285097	184878	0.648	13.59	\$ 42 Decachlorobiphenyl
9.678	2366	654	0.276	0.11	
9.812	1413	644	0.456	0.06	
9.943	501	89	0.178	0.02	
10.295	1251	473	0.378	0.05	
11.037	1512	453	0.300	0.07	
	2149602	1422770		100.000	

Total unknown % area = 56

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707033.d
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 07-JUL-2020 22:36
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-icv,254127:1
Misc Info : 21329,AR1248
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====		=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	273720	0.05000	0.047				

12 Aroclor 1248					CAS #: 12672-29-6				
5.963	5.961	0.002	45709	0.50000	0.46	0.00-	20.00	100.00 (M)	CO
5.985	5.982	0.003	65189	0.50000	0.47	0.00-	20.00	142.62	CO
6.171	6.170	0.001	26045	0.50000	0.44	0.00-	20.00	56.98	CO
6.335	6.332	0.003	48458	0.50000	0.50	0.00-	20.00	106.01	CO
6.480	6.478	0.002	89618	0.50000	0.49	0.00-	20.00	196.06	CO
6.555	6.553	0.002	60023	0.50000	0.51	0.00-	20.00	131.32	CO
6.765	6.763	0.002	55921	0.50000	0.52	0.00-	20.00	122.34	CO
Average of Peak Amounts =					0.48429				

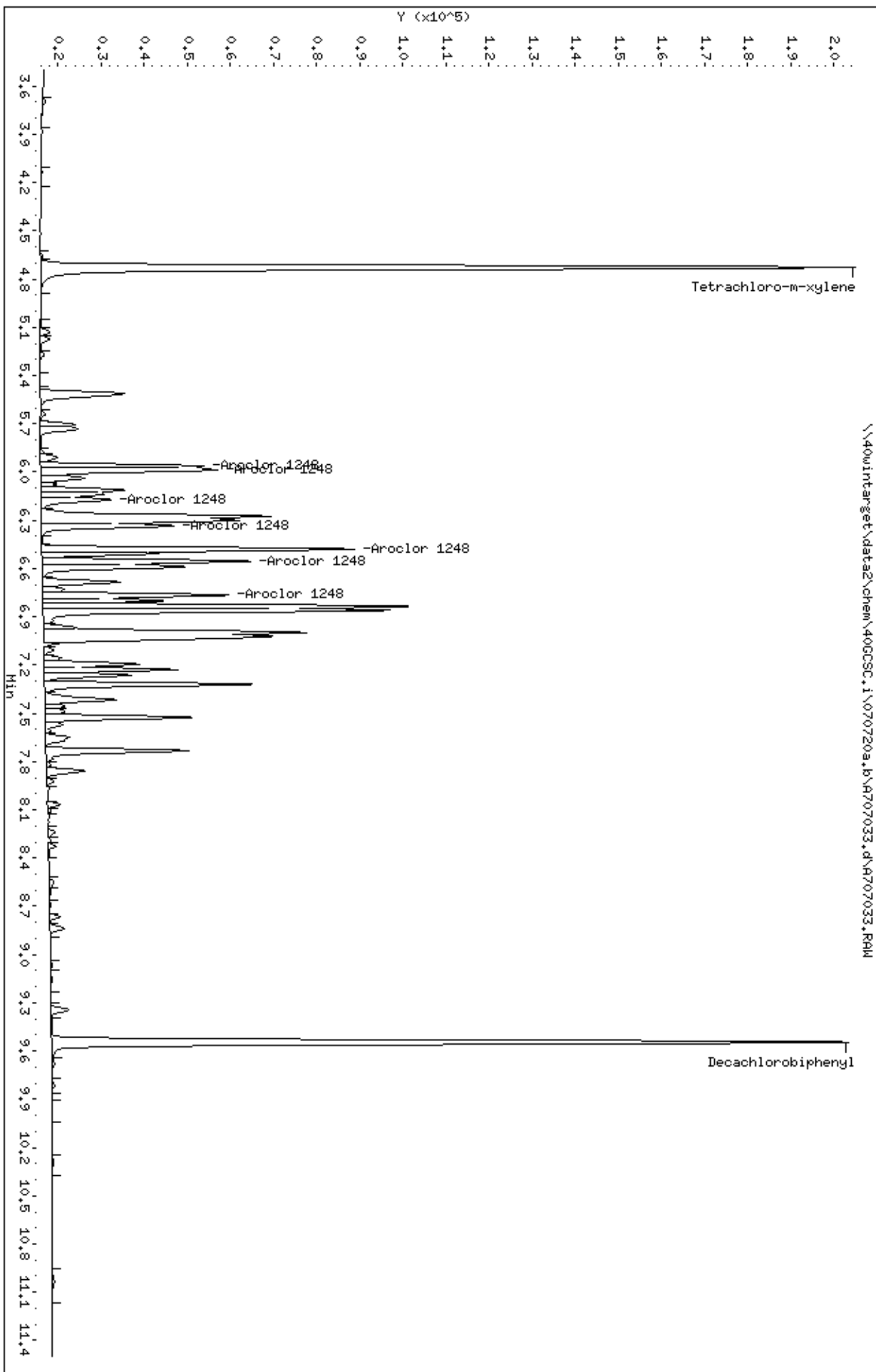
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.545	9.546	-0.001	285097	0.05000	0.049				

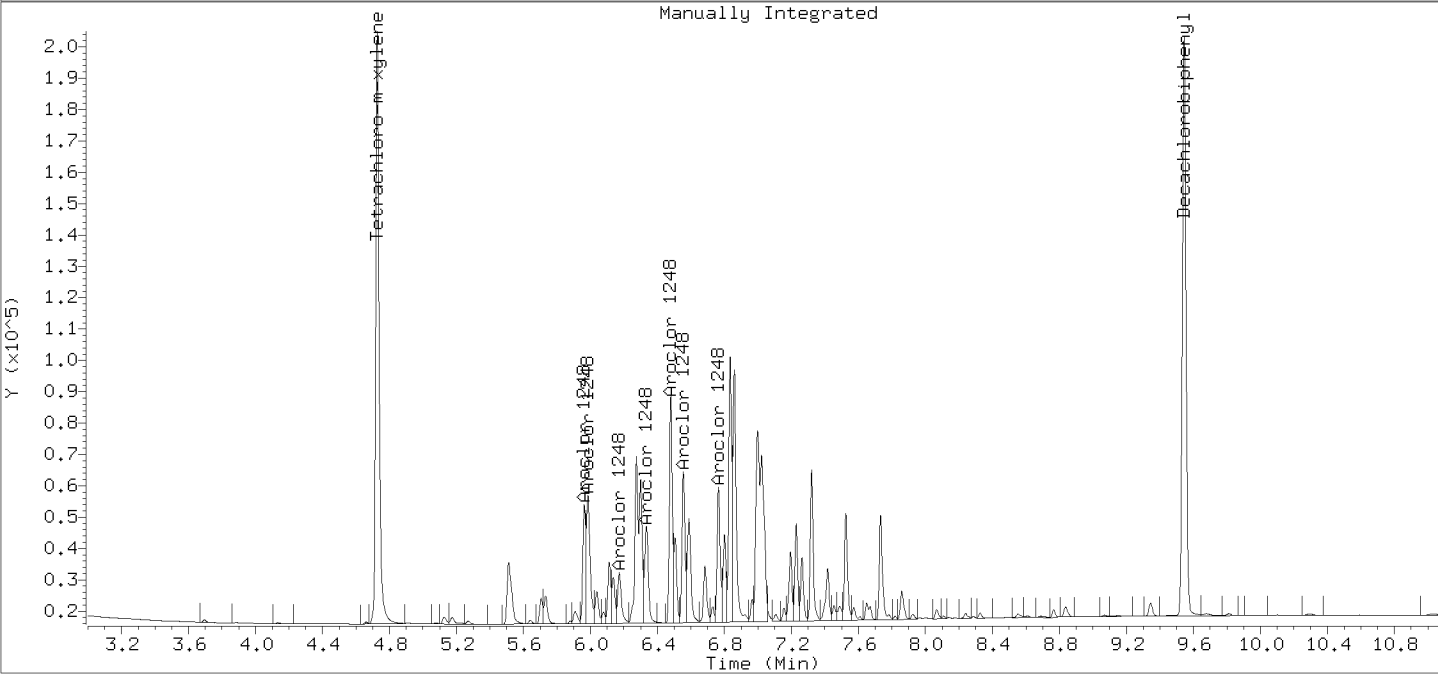
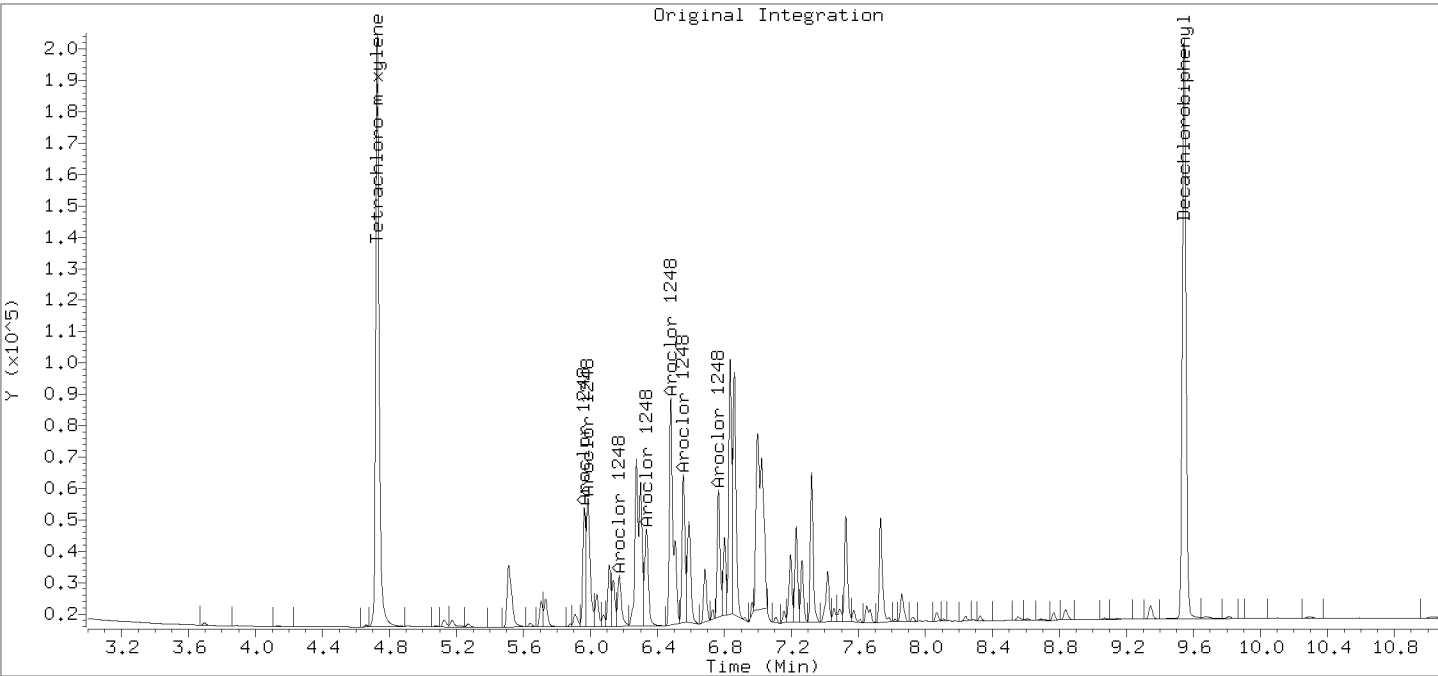
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Aroclor 1248	44135	45709	CO
Tetrachloro-m-xylene	273720	273720	
Decachlorobiphenyl	285097	285097	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707033.d
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 07-JUL-2020 22:36
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-icv,254127:1
Misc Info : 21329,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.608	1001	933	0.932	0.05		
3.795	525	435	0.828	0.02		
4.660	241153	202633	0.840	12.51	\$ 2 Tetrachloro-m-xylene	
4.725	2243	1001	0.446	0.11		
4.962	509	354	0.696	0.02		
5.072	2928	2326	0.794	0.15		
5.113	624	458	0.734	0.03		
5.180	3825	2676	0.700	0.19		
5.237	640	485	0.758	0.03		
5.425	1326	1079	0.814	0.06		
5.598	33252	19341	0.582	1.72		
5.715	2114	1491	0.705	0.10		
5.810	10742	9241	0.860	0.55		
5.845	10935	8738	0.799	0.56		
5.907	1391	1198	0.861	0.07		
5.937	7179	4199	0.585	0.37		
6.023	45105	41718	0.925	2.34	12 Aroclor 1248	CO
6.042	57186	43295	0.757	2.96	12 Aroclor 1248	CO
6.163	34095	24312	0.713	1.76		
6.205	4593	3574	0.778	0.23		
6.258	21379	18003	0.842	1.10	12 Aroclor 1248	CO
6.292	15365	13013	0.847	0.79		
6.335	59048	51114	0.866	3.06		
6.375	52819	43880	0.831	2.74		
6.412	45249	27309	0.604	2.34	12 Aroclor 1248	CO
6.473	3101	1294	0.417	0.16		
6.570	79758	71713	0.899	4.13	12 Aroclor 1248	CO
6.608	33454	25448	0.761	1.73		
6.675	78055	66632	0.854	4.05	12 Aroclor 1248	CO
6.698	16992	16177	0.952	0.88		
6.737	4952	3367	0.680	0.25		
6.798	23842	21248	0.891	1.23		
6.827	52050	45806	0.880	2.70	12 Aroclor 1248	CO
6.877	95325	85613	0.898	4.94		
6.915	112663	95342	0.846	5.84		
6.977	12317	10164	0.825	0.63		
7.008	10305	8429	0.818	0.53		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.055	32668	28747	0.880	1.69	
7.098	108391	89956	0.830	5.62	
7.137	27437	17435	0.635	1.42	
7.232	5291	4434	0.838	0.27	
7.278	24653	20116	0.816	1.27	
7.322	35753	30477	0.852	1.85	
7.368	22299	20177	0.905	1.15	
7.408	59740	49044	0.821	3.10	
7.492	5342	2799	0.524	0.27	
7.538	24861	18777	0.755	1.29	
7.567	41311	35196	0.852	2.14	
7.645	2163	1645	0.761	0.11	
7.668	4024	3775	0.938	0.20	
7.688	7999	5002	0.625	0.41	
7.822	42246	34849	0.825	2.19	
7.868	2096	1560	0.744	0.10	
7.902	1397	1172	0.839	0.07	
7.945	12101	8235	0.681	0.62	
8.018	3049	1400	0.459	0.15	
8.198	3872	2830	0.731	0.20	
8.312	2384	1764	0.740	0.12	
8.383	1733	1409	0.813	0.08	
8.678	1168	764	0.654	0.06	
8.790	474	256	0.540	0.02	
8.873	984	298	0.303	0.05	
8.927	3483	2336	0.671	0.18	
9.017	5273	2905	0.551	0.27	
9.512	4589	3500	0.763	0.23	
9.812	262081	167208	0.638	13.94	\$ 42 Decachlorobiphenyl
	1926900	1532105		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707033.d
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 07-JUL-2020 22:36
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1248-icv,254127:1
Misc Info : 21329,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.660	4.660	0.000	241153	0.05000	0.048				

12 Aroclor 1248					CAS #: 12672-29-6				
6.023	6.022	0.001	45105	0.50000	0.44	0.00-	20.00	100.00 (M)	CO
6.041	6.041	0.000	57186	0.50000	0.46	0.00-	20.00	126.78	CO
6.258	6.258	0.000	21379	0.50000	0.43	0.00-	20.00	47.40	CO
6.411	6.410	0.001	45248	0.50000	0.49	0.00-	20.00	100.32	CO
6.570	6.570	0.000	79757	0.50000	0.48	0.00-	20.00	176.83	CO
6.675	6.674	0.001	78054	0.50000	0.50	0.00-	20.00	173.05	CO
6.826	6.827	-0.001	52050	0.50000	0.50	0.00-	20.00	115.40	CO
Average of Peak Amounts =					0.47143				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	262080	0.05000	0.050				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 22:36

Client ID: 1248-ICV

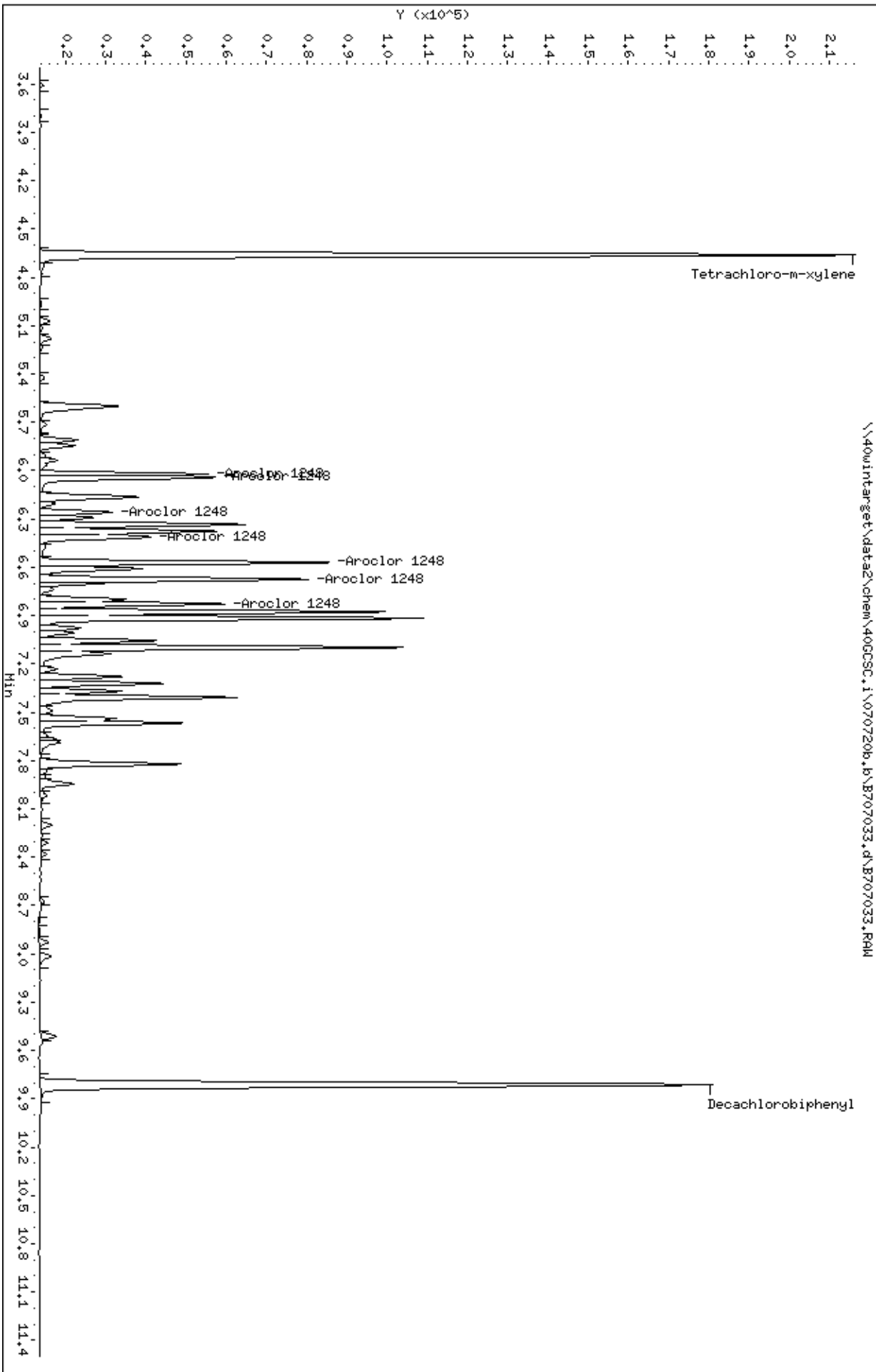
Sample Info: 1248-ICV,254127:1

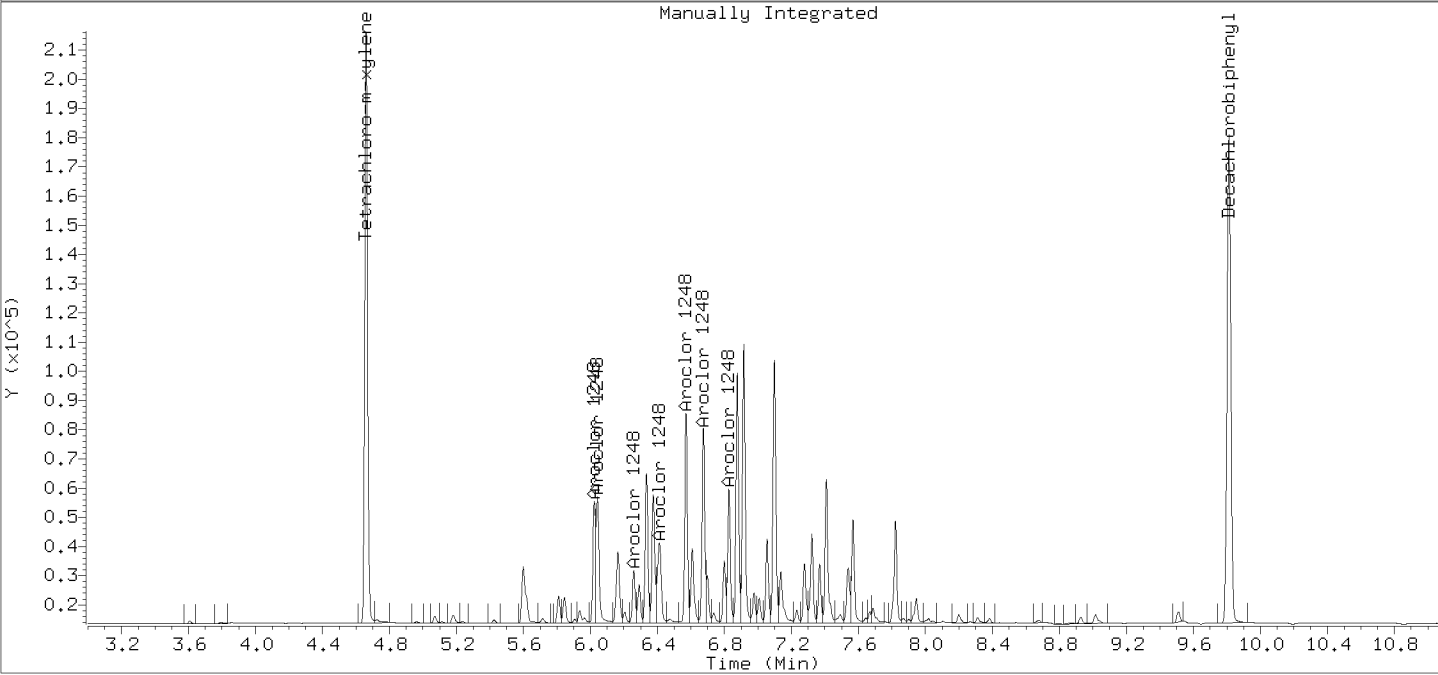
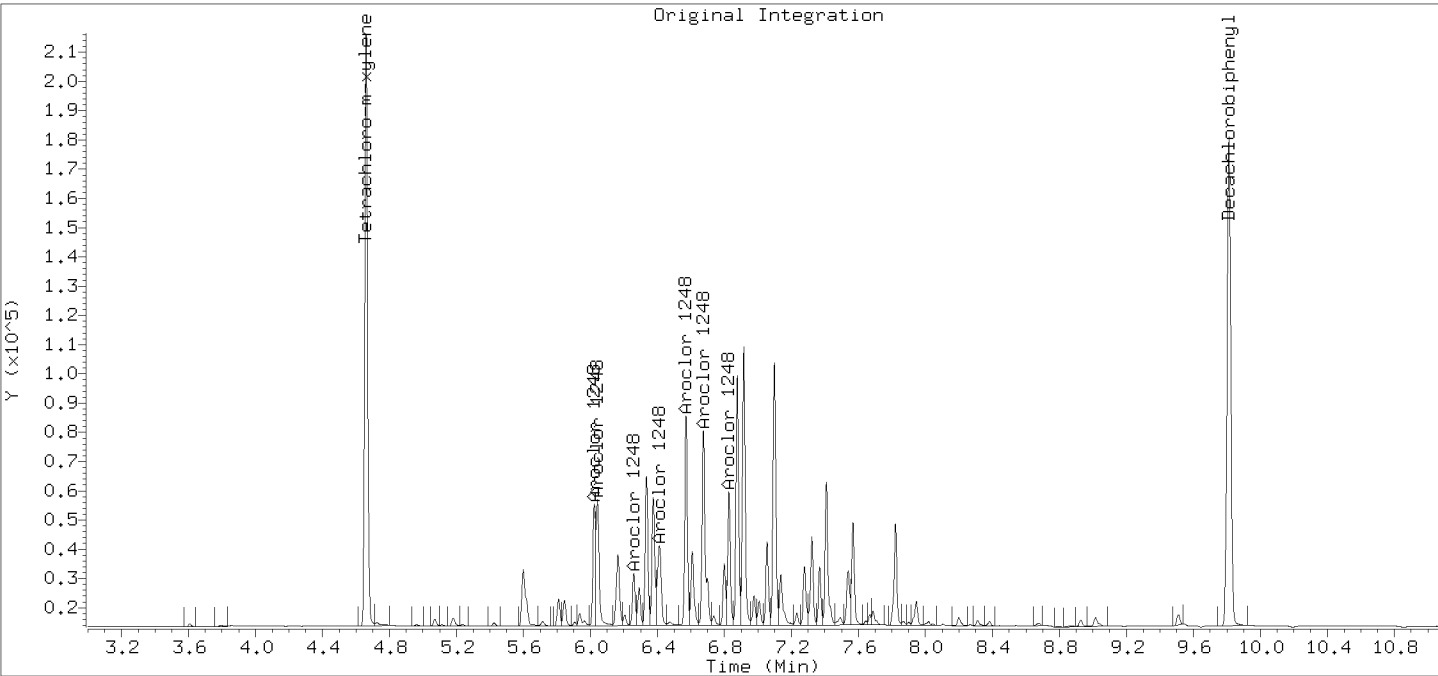
Column phase: Rtx-CLP II

Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Aroclor 1248	43386	45105	CO
Tetrachloro-m-xylene	241153	241153	
Decachlorobiphenyl	262080	262080	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707034.d
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 07-JUL-2020 22:54
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-icv,254128:1
Misc Info : 21329,AR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.695	1132	805	0.711	0.04		
3.885	546	287	0.525	0.02		
4.662	615	598	0.973	0.02		
4.727	279622	188022	0.672	11.17	\$ 2 Tetrachloro-m-xylene	
5.175	2959	1829	0.618	0.11		
5.228	772	371	0.481	0.03		
5.515	1116	465	0.417	0.04		
5.878	1342	864	0.644	0.05		
5.963	2520	1142	0.453	0.10		
6.038	1041	825	0.792	0.04		
6.275	72042	40670	0.565	2.87		
6.480	37144	26277	0.707	1.48		
6.555	12959	10077	0.778	0.51		
6.588	4611	3129	0.679	0.18		
6.683	2527	2077	0.822	0.10		
6.730	869	839	0.965	0.03		
6.765	12753	10502	0.823	0.50		
6.800	93839	77603	0.827	3.75		
6.835	91731	42849	0.467	3.66		
6.965	25334	21829	0.862	1.01		
7.003	159587	122814	0.770	6.37		
7.037	61040	45374	0.743	2.43		
7.107	3437	2608	0.759	0.13		
7.155	8878	7765	0.875	0.35		
7.193	54142	43932	0.811	2.16	16 Aroclor 1254	CO
7.227	102879	88823	0.863	4.11	16 Aroclor 1254	CO
7.262	34255	27280	0.796	1.36		
7.320	170913	145556	0.852	6.83	16 Aroclor 1254	CO
7.347	18898	18041	0.955	0.75		
7.415	49295	21521	0.437	1.97		
7.453	81102	52290	0.645	3.24		
7.523	132382	102883	0.777	5.29	16 Aroclor 1254	CO
7.568	14378	10170	0.707	0.57		
7.608	16891	14399	0.852	0.67		
7.648	130098	68020	0.523	5.19		
7.707	194	990	5.106	0.00		
7.733	108369	66964	0.618	4.33	16 Aroclor 1254	CO

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.782	16197	13497	0.833	0.64	
7.817	13794	11719	0.850	0.55	
7.857	178691	126118	0.706	7.14	16 Aroclor 1254
7.923	23890	15686	0.657	0.95	
7.965	8023	5729	0.714	0.32	
8.035	1963	1522	0.775	0.07	
8.065	51186	38331	0.749	2.04	16 Aroclor 1254
8.108	11534	9368	0.812	0.46	
8.140	6653	5670	0.852	0.26	
8.175	5763	4502	0.781	0.23	
8.238	29236	22115	0.756	1.16	
8.287	9521	6462	0.679	0.38	
8.325	24540	18857	0.768	0.98	
8.383	1453	862	0.593	0.05	
8.552	22291	16862	0.756	0.89	
8.608	2011	1002	0.498	0.08	
8.683	670	212	0.317	0.02	
8.765	2730	2207	0.808	0.10	
8.835	5181	2932	0.566	0.20	
9.067	1376	890	0.647	0.05	
9.150	515	129	0.250	0.02	
9.343	5948	4001	0.673	0.23	
9.543	285754	181546	0.635	11.69	\$ 42 Decachlorobiphenyl
9.813	943	581	0.616	0.03	
	2502075	1761290		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707034.d
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 07-JUL-2020 22:54
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-icv,254128:1
Misc Info : 21329,AR1254
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	279622	0.05000	0.048				

16 Aroclor 1254					CAS #: 11097-69-1				
7.193	7.193	0.000	54141	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.226	7.227	-0.001	102879	0.50000	0.48	0.00-	20.00	190.02	CO
7.320	7.320	0.000	170913	0.50000	0.47	0.00-	20.00	315.68	CO
7.523	7.524	-0.001	132382	0.50000	0.47	0.00-	20.00	244.51	CO
7.733	7.733	0.000	108368	0.50000	0.49	0.00-	20.00	200.16	CO
7.856	7.858	-0.002	178690	0.50000	0.48	0.00-	20.00	330.05	CO
8.065	8.066	-0.001	51186	0.50000	0.48	0.00-	20.00	94.54	CO
Average of Peak Amounts =					0.47857				

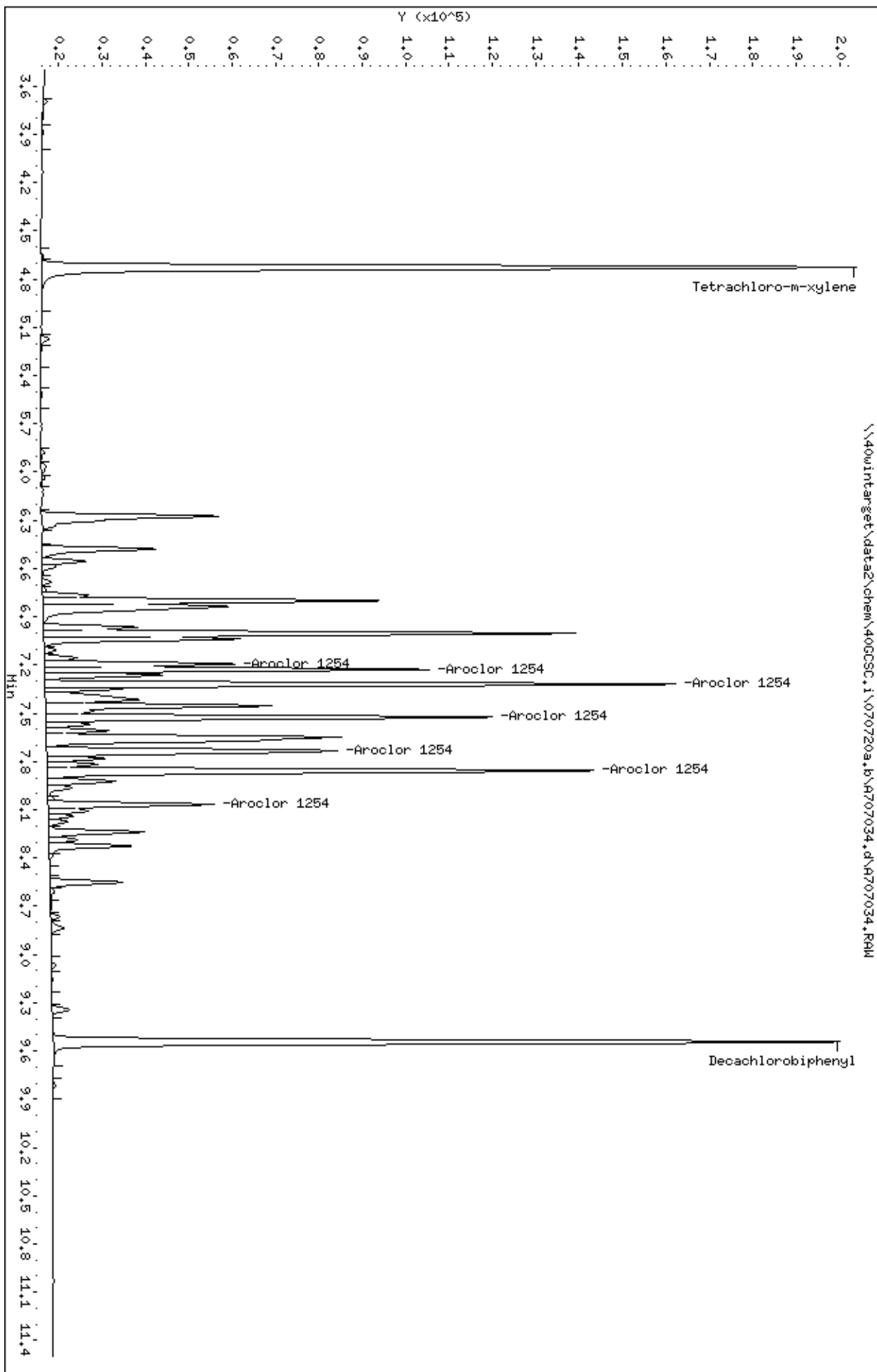
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.543	9.546	-0.003	285754	0.05000	0.049				

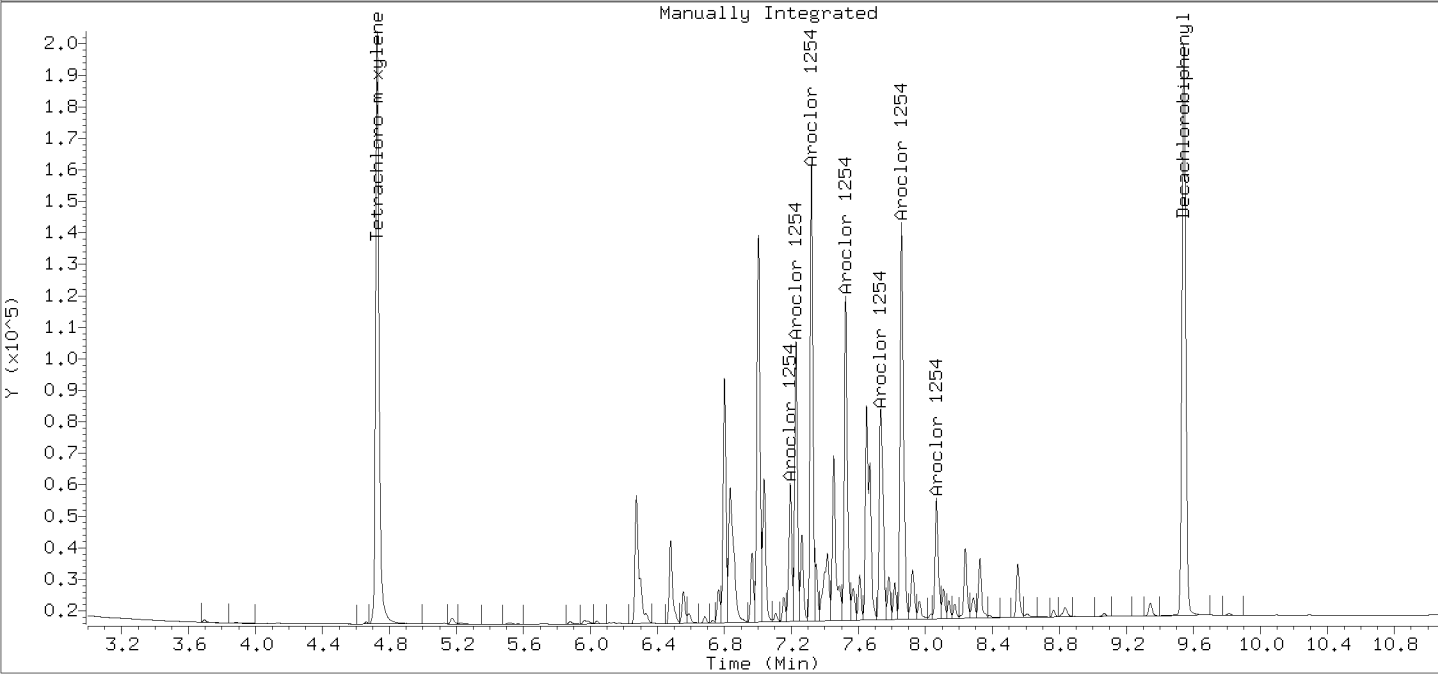
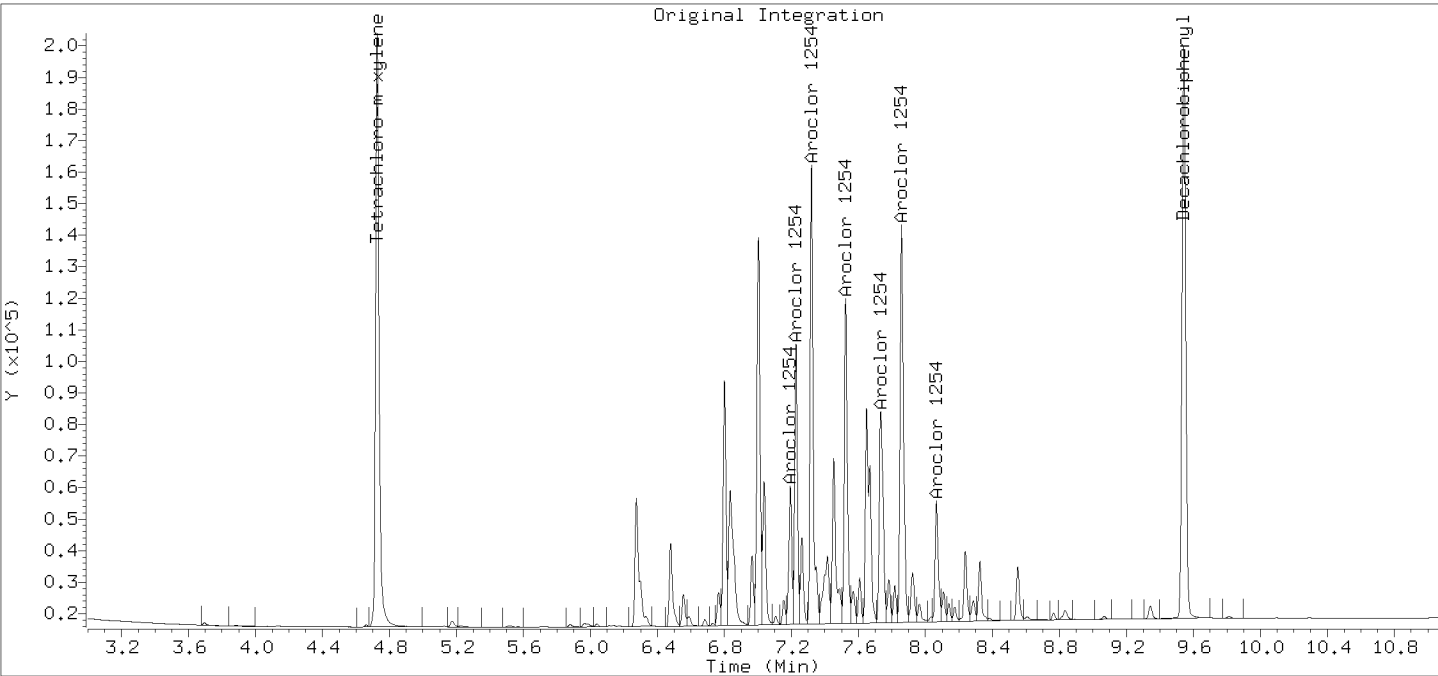
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Aroclor 1254	53447	54141	CO
Tetrachloro-m-xylene	279622	279622	
Decachlorobiphenyl	285754	285754	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707034.d
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 07-JUL-2020 22:54
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-icv,254128:1
Misc Info : 21329,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.607	1208	1075	0.890	0.05		
3.793	493	430	0.873	0.02		
4.662	245183	206213	0.841	11.02	\$ 2 Tetrachloro-m-xylene	
5.072	2900	2295	0.791	0.13		
5.182	493	345	0.700	0.02		
5.237	607	476	0.784	0.02		
5.600	983	561	0.571	0.04		
5.812	632	227	0.359	0.02		
5.905	1098	1045	0.952	0.04		
6.023	3104	1568	0.505	0.13		
6.158	1949	1244	0.638	0.08		
6.335	44507	40260	0.905	2.00		
6.375	15923	11628	0.730	0.71		
6.473	537	388	0.722	0.02		
6.570	29377	26943	0.917	1.32		
6.608	3127	2514	0.804	0.14		
6.675	14859	11903	0.801	0.66		
6.740	720	595	0.827	0.03		
6.800	3327	3120	0.938	0.14		
6.827	13686	11510	0.841	0.61		
6.877	47838	43242	0.904	2.15		
6.913	94006	82460	0.877	4.22		
6.977	15332	13752	0.897	0.68		
7.007	23955	21392	0.893	1.07		
7.053	102239	93290	0.912	4.59		
7.103	54789	48132	0.879	2.46		
7.137	40968	32514	0.794	1.84		
7.232	9003	7850	0.872	0.40		
7.277	45140	37752	0.836	2.02	16 Aroclor 1254	BA
7.322	88010	78652	0.894	3.95	16 Aroclor 1254	BA
7.368	29359	27740	0.945	1.31		
7.408	180949	147755	0.817	8.13	16 Aroclor 1254	BA
7.483	26017	13951	0.536	1.16		
7.547	82448	62027	0.752	3.70		
7.567	124145	107143	0.863	5.58	16 Aroclor 1254	BA
7.645	23839	17313	0.726	1.07		
7.688	77715	65185	0.839	3.49		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.807	65914	67303	1.021	2.96	
7.820	75163	71209	0.947	3.37	16 Aroclor 1254
7.868	14920	12859	0.862	0.67	
7.900	11996	11135	0.928	0.53	
7.945	158941	114595	0.721	7.14	16 Aroclor 1254
8.018	18622	12140	0.652	0.83	
8.042	8577	6392	0.745	0.38	
8.103	9398	6820	0.726	0.42	
8.198	45629	34250	0.751	2.05	16 Aroclor 1254
8.267	5732	4984	0.870	0.25	
8.312	31161	25172	0.808	1.40	
8.385	25575	17898	0.700	1.14	
8.438	1528	840	0.550	0.06	
8.680	20993	13201	0.629	0.94	
8.868	1198	836	0.698	0.05	
8.928	2548	2002	0.786	0.11	
9.015	3839	2535	0.660	0.17	
9.172	894	736	0.823	0.04	
9.510	6292	3658	0.581	0.28	
9.813	264828	170316	0.643	12.19	\$ 42 Decachlorobiphenyl
	2224213	1803371		100.000	

Total unknown % area = 44

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707034.d
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 07-JUL-2020 22:54
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1254-icv,254128:1
Misc Info : 21329,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.661	4.660	0.001	245183	0.05000	0.049				

16 Aroclor 1254					CAS #: 11097-69-1				
7.276	7.278	-0.002	45140	0.50000	0.47	0.00-	20.00	100.00 (M)	BA
7.321	7.322	-0.001	88009	0.50000	0.47	0.00-	20.00	194.97	BA
7.408	7.409	-0.001	180948	0.50000	0.48	0.00-	20.00	400.86	BA
7.566	7.568	-0.002	124145	0.50000	0.47	0.00-	20.00	275.02	BA
7.820	7.822	-0.002	75163	0.50000	0.46	0.00-	20.00	166.51	BA
7.945	7.947	-0.002	158941	0.50000	0.48	0.00-	20.00	352.11	BA
8.198	8.200	-0.002	45628	0.50000	0.49	0.00-	20.00	101.08	BA
Average of Peak Amounts =					0.47429				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.813	9.812	0.001	264828	0.05000	0.050				

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Date : 07-JUL-2020 22:54

Client ID: 1254-ICV

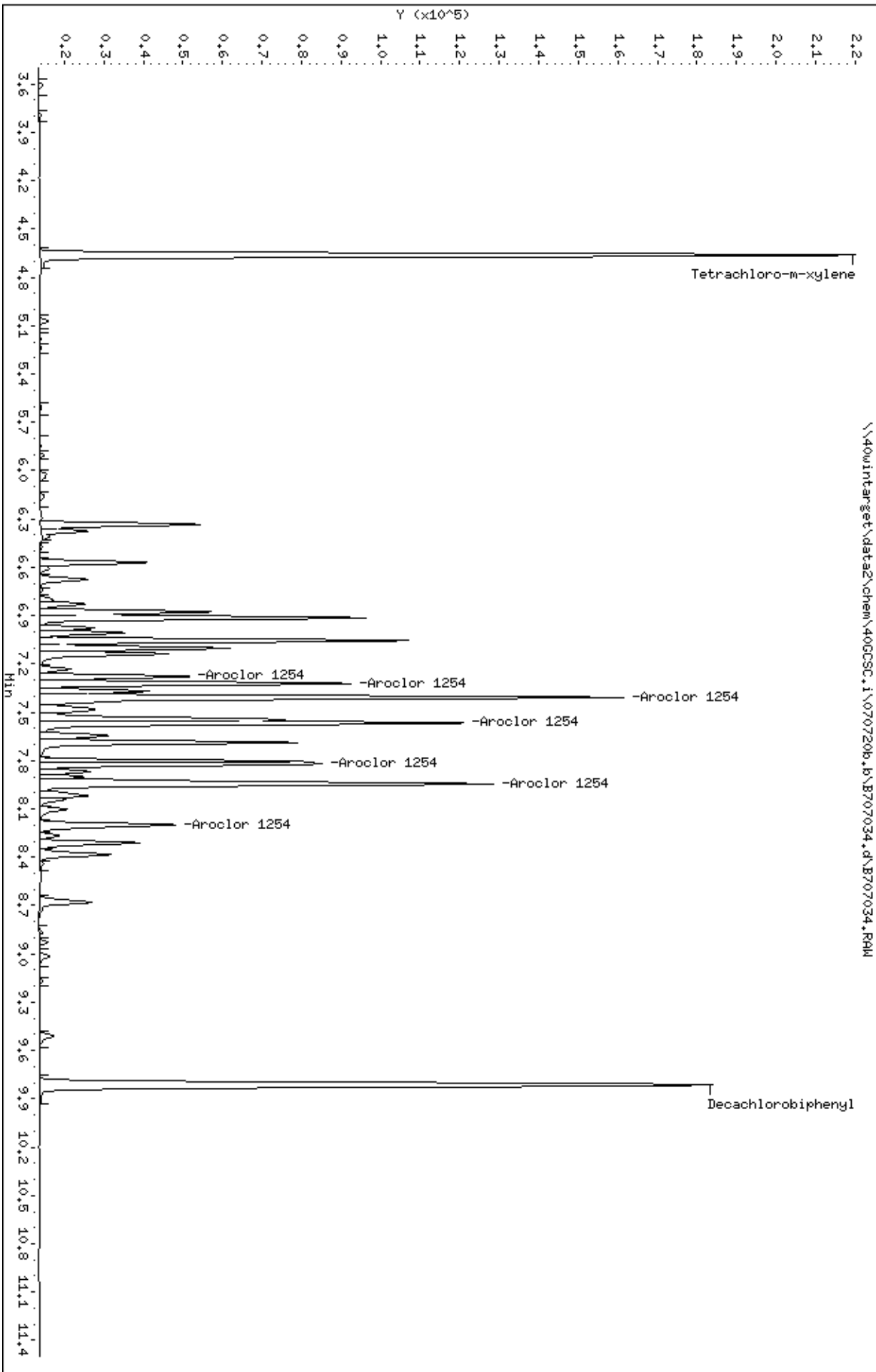
Sample Info: 1254-ICV,254128;1

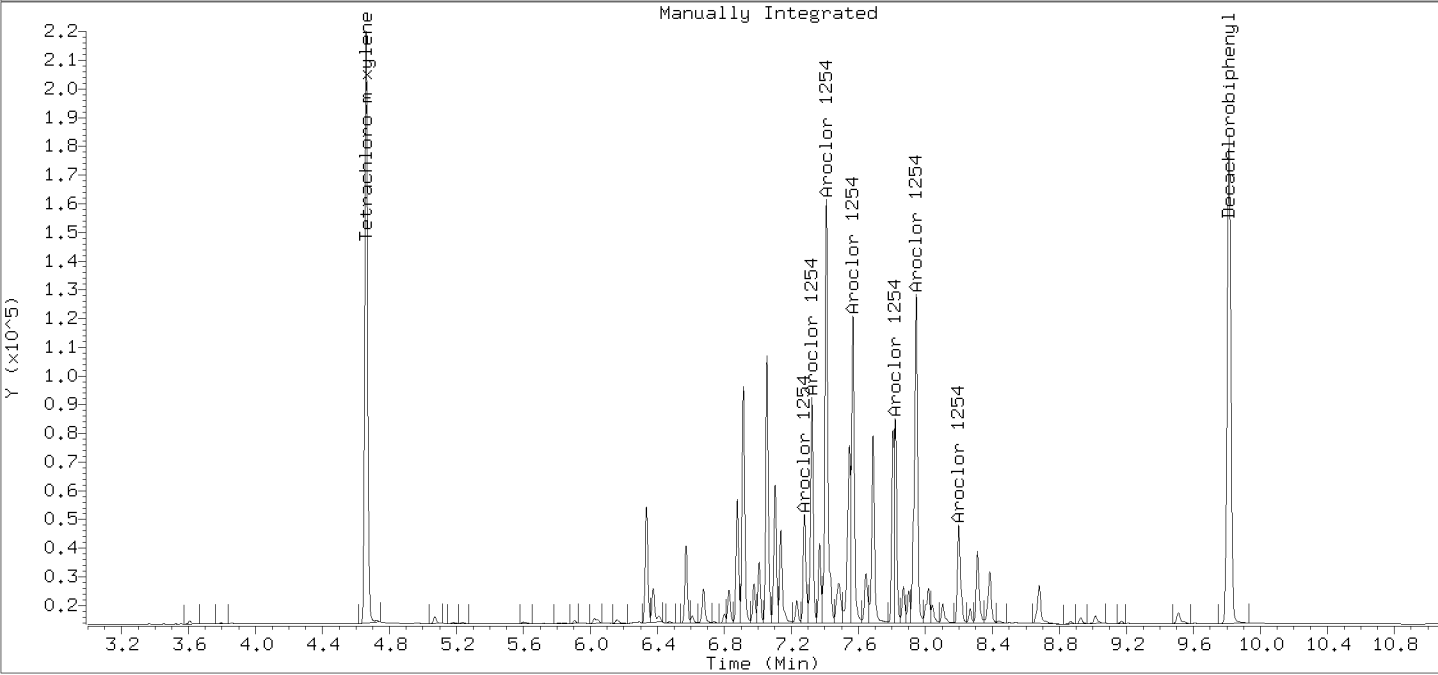
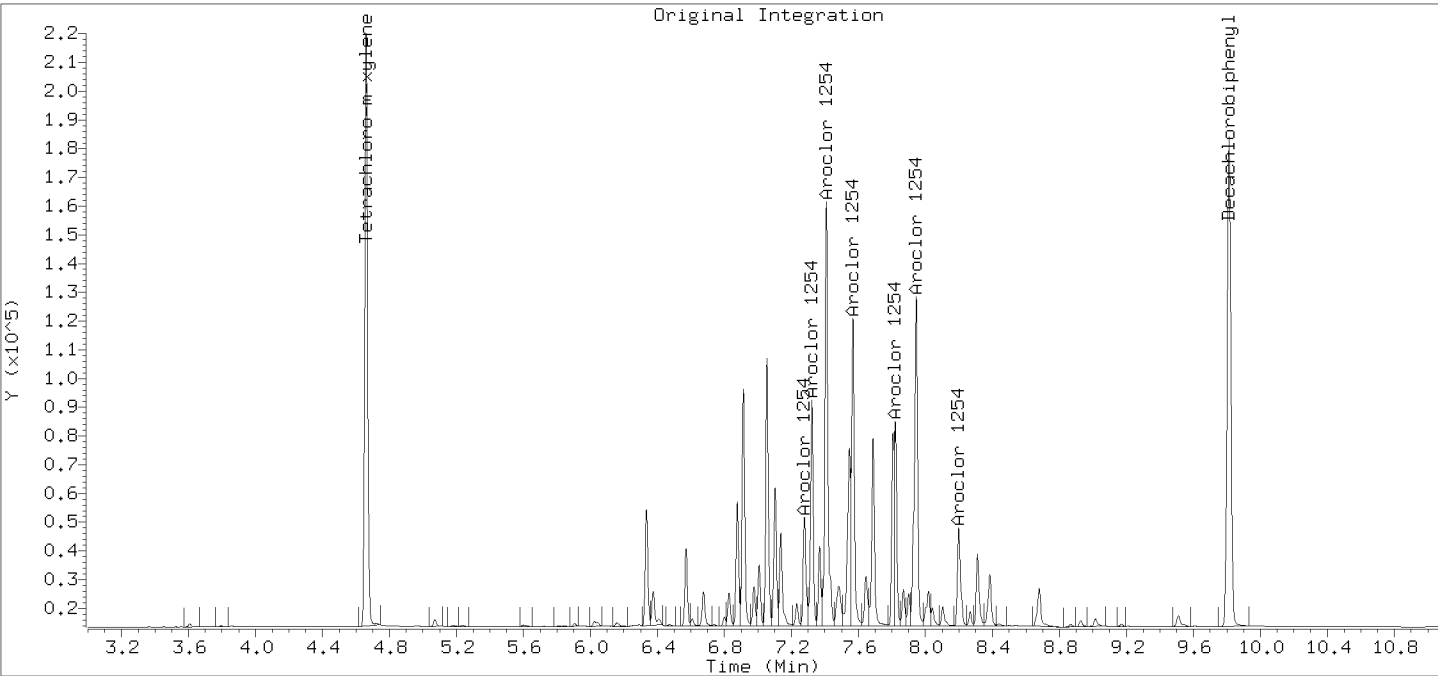
Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32

Column phase: Rtx-CLP II





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Aroclor 1254	44636	45140	BA
Tetrachloro-m-xylene	245183	245183	
Decachlorobiphenyl	264828	264828	

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707035.d
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 07-JUL-2020 23:12
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-icv,254174:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.693	1226	826	0.674	0.03		
4.020	1230	212	0.172	0.03		
4.132	2015	614	0.305	0.05		
4.290	1666	374	0.224	0.04		
4.403	2136	588	0.275	0.05		
4.535	1365	407	0.298	0.03		
4.655	1871	1199	0.641	0.04		
4.727	283376	195551	0.690	7.05	\$ 2 Tetrachloro-m-xylene	BA
4.910	8499	4859	0.572	0.21		
5.043	1916	1315	0.686	0.04		
5.078	10286	6280	0.611	0.25		
5.127	46816	28245	0.603	1.16	7 Aroclor 1016	CO
5.172	6441	3639	0.565	0.16		
5.227	1054	597	0.566	0.02		
5.270	7057	4540	0.643	0.17		
5.512	104769	49069	0.468	2.60		
5.642	12195	6792	0.557	0.30		
5.705	28389	22156	0.780	0.70		
5.732	44527	29830	0.670	1.10	7 Aroclor 1016	CO
5.800	3985	1548	0.388	0.09		
5.910	31791	15937	0.501	0.79		
5.963	84374	72539	0.860	2.10	7 Aroclor 1016	CO
5.985	144995	96214	0.664	3.60	7 Aroclor 1016	CO
6.038	16257	10312	0.634	0.40		
6.078	5185	4076	0.786	0.12		
6.112	97399	59183	0.608	2.42		
6.172	64126	42642	0.665	1.59	7 Aroclor 1016	CO
6.275	52074	37604	0.722	1.29		
6.300	52725	39183	0.743	1.31		
6.335	44438	27865	0.627	1.10		
6.480	69648	56699	0.814	1.73	7 Aroclor 1016	CO
6.505	28965	22844	0.789	0.72		
6.555	38307	30933	0.808	0.95	7 Aroclor 1016	CO
6.588	46566	27706	0.595	1.15		
6.683	16314	11065	0.678	0.40		
6.728	1744	1304	0.748	0.04		
6.765	7974	6183	0.775	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.802	43578	34821	0.799	1.08	
6.835	27053	11232	0.415	0.67	
6.965	6765	5838	0.863	0.16	
7.005	68331	41972	0.614	1.70	
7.195	4718	4020	0.852	0.11	
7.227	36545	28942	0.792	0.90	
7.320	29354	26400	0.899	0.73	
7.348	63991	54385	0.850	1.59	
7.397	42332	20557	0.486	1.05	
7.453	124682	108397	0.869	3.10	28 Aroclor 1260
7.528	22774	14892	0.654	0.56	
7.567	4217	3570	0.847	0.10	
7.608	22427	20273	0.904	0.55	
7.648	194603	136445	0.701	4.84	28 Aroclor 1260
7.745	90240	76336	0.846	2.24	
7.818	6647	5710	0.859	0.16	
7.858	205848	134702	0.654	5.12	
7.932	125515	104973	0.836	3.12	28 Aroclor 1260
7.965	68009	59573	0.876	1.69	
8.032	28142	23423	0.832	0.70	
8.067	18399	13545	0.736	0.45	
8.108	125948	111219	0.883	3.13	28 Aroclor 1260
8.140	66405	54499	0.821	1.65	
8.175	38246	29698	0.776	0.95	
8.215	7092	6081	0.857	0.17	
8.238	16464	12442	0.756	0.40	
8.280	25636	21349	0.833	0.63	
8.325	294855	244197	0.828	7.74	28 Aroclor 1260
8.357	25774	16503	0.640	0.64	
8.487	771	561	0.727	0.01	
8.552	222611	121052	0.544	5.54	
8.607	99938	60553	0.606	2.48	
8.685	3199	1011	0.316	0.07	
8.765	5636	4572	0.811	0.14	
8.817	3654	3869	1.059	0.09	
8.852	45983	30267	0.658	1.14	28 Aroclor 1260
8.922	561	198	0.353	0.01	
9.067	94549	68556	0.725	2.35	28 Aroclor 1260
9.118	7931	4105	0.518	0.19	
9.345	29583	19453	0.658	0.73	
9.545	290056	182466	0.629	7.22	\$ 42 Decachlorobiphenyl
9.680	1750	481	0.275	0.04	
9.812	1134	590	0.520	0.02	
10.297	691	267	0.386	0.01	
11.030	614	205	0.334	0.01	
	4016953	2845130		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707035.d
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 07-JUL-2020 23:12
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-icv,254174:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\070720a.b\pcbA070720.m
Meth Date : 08-Jul-2020 10:32 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.726	4.726	0.000	283376	0.05000	0.049			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.126	5.125	0.001	46816	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
5.731	5.731	0.000	44526	0.50000	0.48	0.00-	20.00	95.11	CO
5.963	5.962	0.001	84374	0.50000	0.49	0.00-	20.00	180.22	CO
5.985	5.984	0.001	144995	0.50000	0.48	0.00-	20.00	309.71	CO
6.171	6.171	0.000	64125	0.50000	0.46	0.00-	20.00	136.97	CO
6.480	6.479	0.001	69648	0.50000	0.47	0.00-	20.00	148.77	CO
6.555	6.554	0.001	38306	0.50000	0.48	0.00-	20.00	81.82	CO
Average of Peak Amounts =					0.47714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.453	7.453	0.000	124682	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.648	7.649	-0.001	194602	0.50000	0.47	0.00-	20.00	156.08	CO
7.931	7.930	0.001	125514	0.50000	0.47	0.00-	20.00	100.67	CO
8.108	8.108	0.000	125948	0.50000	0.49	0.00-	20.00	101.02	CO
8.325	8.325	0.000	294855	0.50000	0.48	0.00-	20.00	236.49	CO
8.851	8.850	0.001	45982	0.50000	0.43	0.00-	20.00	36.88	CO
9.066	9.068	-0.002	94548	0.50000	0.49	0.00-	20.00	75.83	CO
Average of Peak Amounts =					0.47286				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.545	9.546	-0.001	290056	0.05000	0.050				

QC Flag Legend

M - Compound response manually integrated.

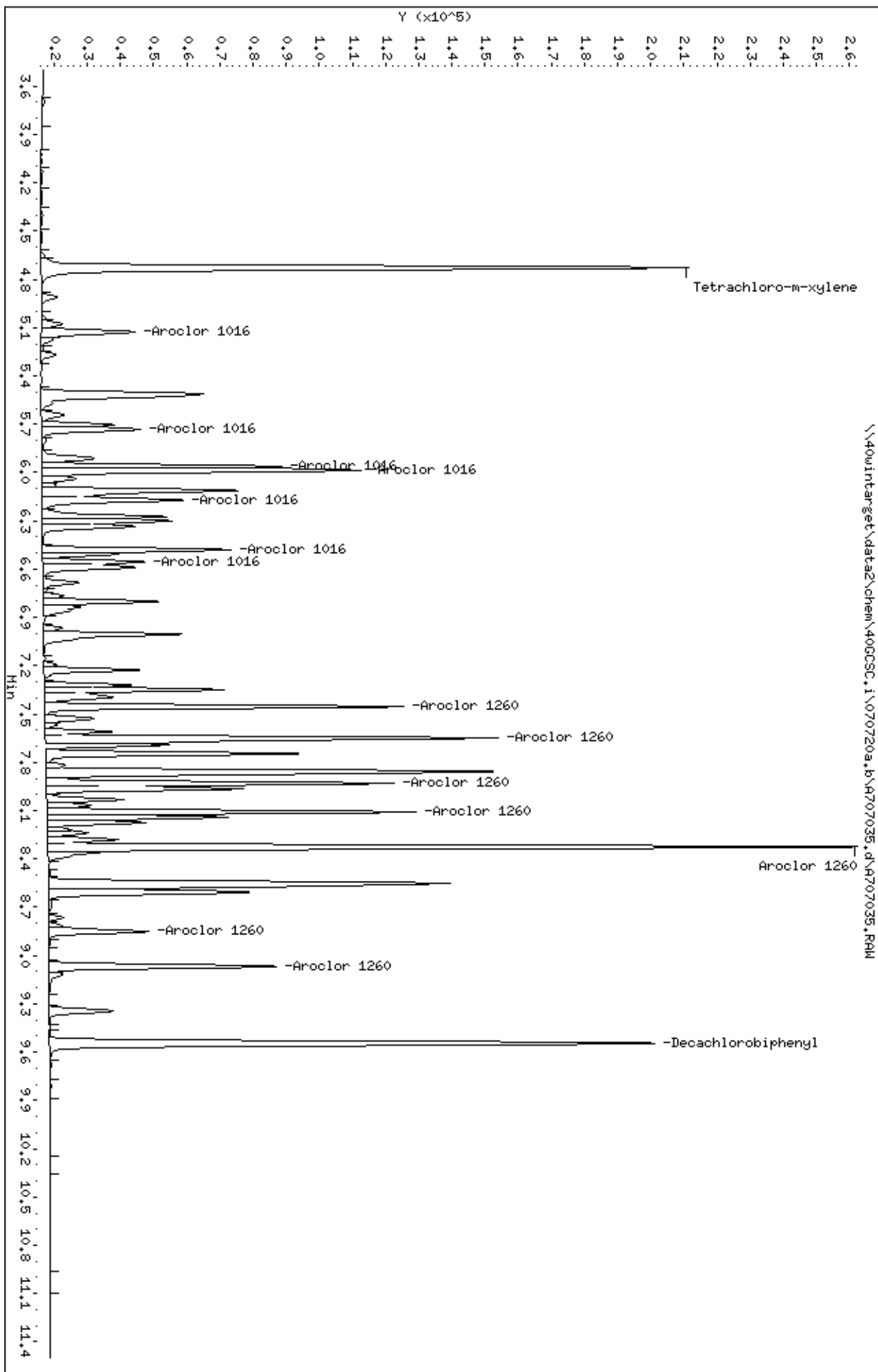
QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\070720a.b\A707035.d
Date : 07-JUL-2020 23:12
Client ID: 1660-ICV
Sample Info: 1660-ICV,254174:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



[illegible]

Tetrachloro-m-xylene	284024	283376	BA
Decachlorobiphenyl	290056	290056	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707035.d
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 07-JUL-2020 23:12
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-icv,254174:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.610	675	683	1.011	0.01		
3.793	473	406	0.858	0.01		
4.022	456	243	0.533	0.01		
4.243	760	361	0.475	0.02		
4.370	489	90	0.184	0.01		
4.660	242560	204426	0.843	6.91	\$ 2 Tetrachloro-m-xylene	BA
4.753	1769	1369	0.774	0.05		
4.780	5489	3009	0.548	0.15		
4.960	7917	5652	0.714	0.22		
5.072	2922	2334	0.799	0.08		
5.113	8726	6591	0.755	0.24		
5.180	41507	29909	0.721	1.18	7 Aroclor 1016	CO
5.235	1185	818	0.691	0.03		
5.425	6227	4736	0.761	0.17		
5.600	81435	42907	0.527	2.32		
5.658	5656	3889	0.688	0.16		
5.713	11957	6776	0.567	0.34		
5.808	26955	23045	0.855	0.76		
5.845	37460	29270	0.781	1.06	7 Aroclor 1016	CO
5.907	1888	1572	0.833	0.05		
5.937	17731	14998	0.846	0.50		
5.963	12889	9955	0.772	0.36		
6.023	76885	74856	0.974	2.19	7 Aroclor 1016	CO
6.042	129291	100375	0.776	3.68	7 Aroclor 1016	CO
6.165	78625	57116	0.726	2.24		
6.205	4977	4085	0.821	0.14		
6.258	52971	45462	0.858	1.50	7 Aroclor 1016	CO
6.290	16708	13951	0.835	0.47		
6.335	45782	38974	0.851	1.30		
6.375	45467	37616	0.827	1.29		
6.412	41199	24437	0.593	1.17		
6.475	11316	6520	0.576	0.32		
6.540	1423	1120	0.787	0.04		
6.570	63316	56626	0.894	1.80	7 Aroclor 1016	CO
6.608	31582	21855	0.692	0.90		
6.675	52056	44865	0.862	1.48	7 Aroclor 1016	CO
6.698	16566	14771	0.892	0.47		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.737	2950	2006	0.680	0.08	
6.800	13095	11539	0.881	0.37	
6.828	10674	7994	0.749	0.30	
6.877	13685	11632	0.850	0.39	
6.913	44361	37507	0.845	1.26	
6.977	2975	2347	0.789	0.08	
7.008	7231	6179	0.854	0.20	
7.055	40674	37048	0.911	1.15	
7.102	8016	5894	0.735	0.22	
7.137	6286	4421	0.703	0.17	
7.230	675	537	0.795	0.01	
7.278	4281	3588	0.838	0.12	
7.322	12548	11171	0.890	0.35	
7.390	18798	18126	0.964	0.53	
7.408	29137	27566	0.946	0.83	
7.433	57105	52381	0.917	1.62	
7.478	34776	21692	0.624	0.99	
7.547	120182	101225	0.842	3.42	28 Aroclor 1260
7.587	2800	2711	0.968	0.07	
7.643	24501	20960	0.855	0.69	
7.688	127587	122914	0.963	3.63	28 Aroclor 1260
7.742	1037	694	0.669	0.02	
7.807	130635	91611	0.701	3.72	
7.887	20825	13223	0.635	0.59	
7.945	185809	113370	0.610	5.29	
7.977	5367	6615	1.233	0.15	
8.002	105285	99289	0.943	3.00	28 Aroclor 1260
8.042	53848	49332	0.916	1.53	
8.105	4414	4670	1.058	0.12	
8.125	23464	21034	0.896	0.66	
8.213	115843	97125	0.838	3.30	28 Aroclor 1260
8.267	57593	47939	0.832	1.64	
8.308	67589	34216	0.506	1.92	
8.360	697	3552	5.099	0.01	
8.383	242944	213567	0.879	6.92	28 Aroclor 1260
8.438	7322	5760	0.787	0.20	
8.500	10598	9074	0.856	0.30	
8.550	1113	552	0.496	0.03	
8.622	5632	4718	0.838	0.16	
8.677	184810	100826	0.546	5.26	
8.707	86752	45507	0.525	2.47	
8.868	4780	3700	0.774	0.13	
8.927	5251	4280	0.815	0.14	
9.017	3511	4651	1.325	0.10	
9.040	36563	26327	0.720	1.04	28 Aroclor 1260
9.170	78295	59871	0.765	2.23	28 Aroclor 1260
9.208	5800	4304	0.742	0.16	
9.510	26990	17944	0.665	0.76	
9.812	268304	168615	0.628	8.04	\$ 42 Decachlorobiphenyl
	3508700	2697472		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\070720b.b\B707035.d
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 07-JUL-2020 23:12
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-icv,254174:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\070720b.b\pcbB070720.m
Meth Date : 08-Jul-2020 10:42 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.660	4.660	0.000	242559	0.05000	0.049			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.180	5.179	0.001	41506	0.50000	0.46	0.00-	20.00	100.00 (M)	CO
5.845	5.844	0.001	37460	0.50000	0.47	0.00-	20.00	90.25	CO
6.023	6.022	0.001	76885	0.50000	0.46	0.00-	20.00	185.24	CO
6.041	6.041	0.000	129290	0.50000	0.48	0.00-	20.00	311.50	CO
6.258	6.258	0.000	52970	0.50000	0.47	0.00-	20.00	127.62	CO
6.570	6.570	0.000	63315	0.50000	0.47	0.00-	20.00	152.54	CO
6.675	6.673	0.002	52056	0.50000	0.48	0.00-	20.00	125.42	CO
Average of Peak Amounts =					0.47000				

28 Aroclor 1260					CAS #: 11096-82-5				
7.546	7.548	-0.002	120181	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.688	7.688	0.000	127586	0.50000	0.48	0.00-	20.00	106.16	CO
8.001	8.002	-0.001	105284	0.50000	0.46	0.00-	20.00	87.60	CO
8.213	8.214	-0.001	115843	0.50000	0.49	0.00-	20.00	96.39	CO
8.383	8.384	-0.001	242944	0.50000	0.51	0.00-	20.00	202.15	CO
9.040	9.040	0.000	36563	0.50000	0.48	0.00-	20.00	30.42	CO
9.170	9.171	-0.001	78295	0.50000	0.51	0.00-	20.00	65.15	CO
Average of Peak Amounts =					0.48714				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.811	9.812	-0.001	268304	0.05000	0.051				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 07-JUL-2020 23:12

Client ID: 1660-ICV

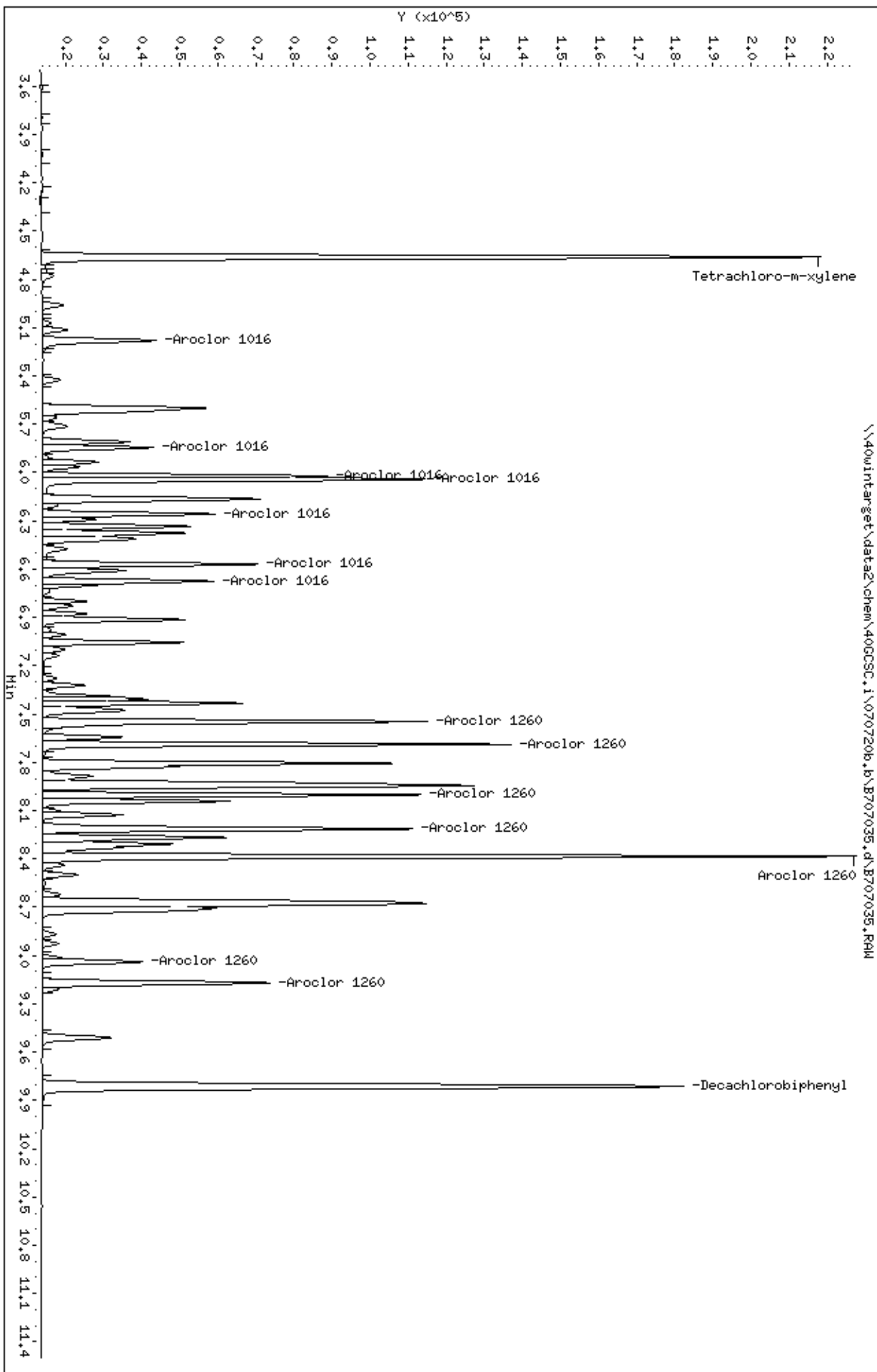
Sample Info: 1660-ICV,254174:1

Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

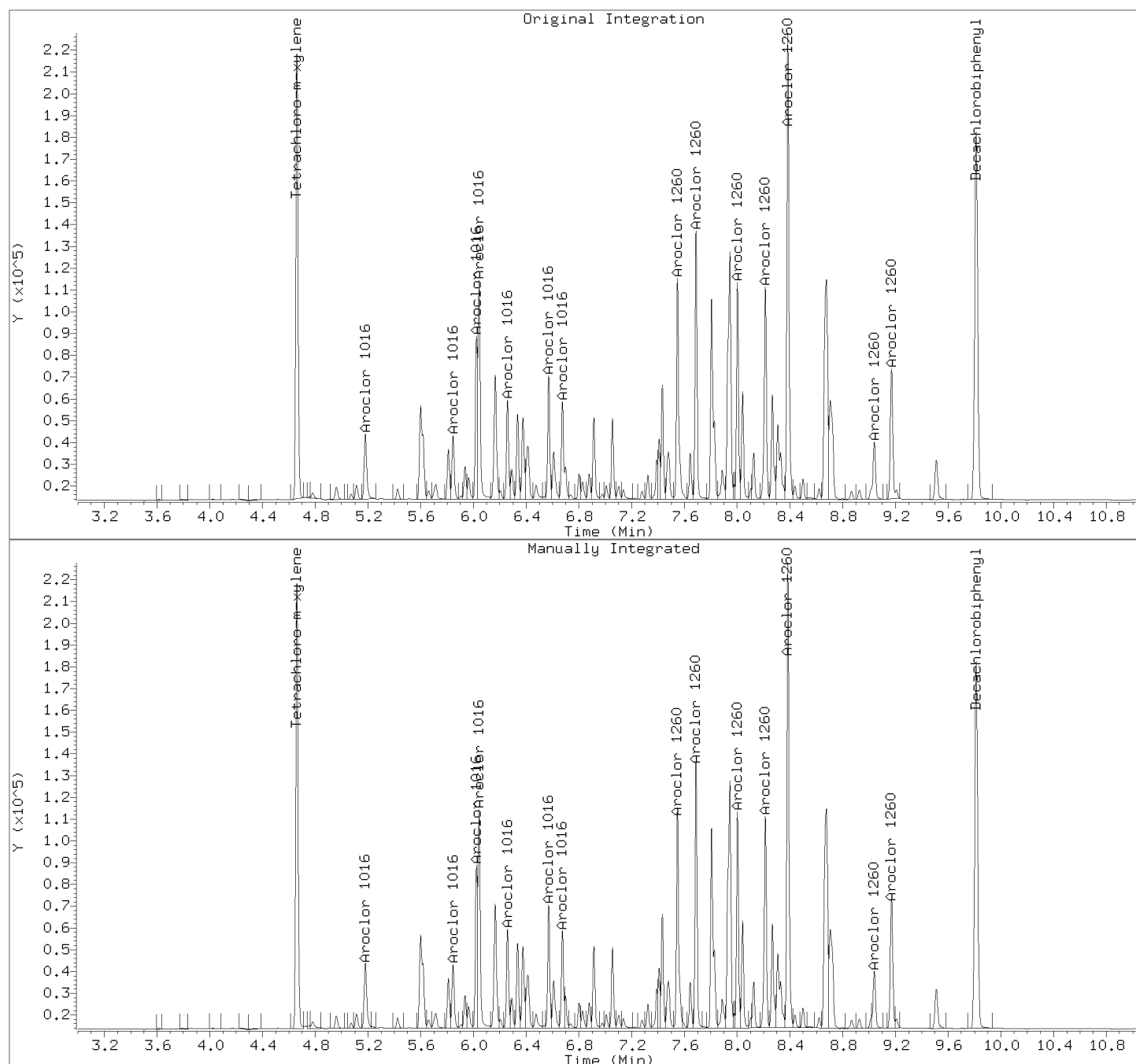
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 1660-ICV



Manually Integrated Compounds

[illegible]

Tetrachloro-m-xylene	240307	242559	BA
Decachlorobiphenyl	268304	268304	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713085.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 14:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 07:50 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.240	2098	504	0.240	0.05		
3.710	1727	872	0.505	0.04		
3.902	719	383	0.533	0.01		
3.983	820	439	0.535	0.02		
4.148	1729	861	0.498	0.04		
4.745	278482	186499	0.670	7.60	\$ 2 Tetrachloro-m-xylene	BA
4.928	8414	4366	0.519	0.21		
5.098	8416	5627	0.669	0.21		
5.147	45158	26991	0.598	1.17	7 Aroclor 1016	CO
5.192	6796	3767	0.554	0.17		
5.245	1132	634	0.560	0.02		
5.290	7160	4474	0.625	0.18		
5.530	102142	47995	0.470	2.66		
5.660	11985	6612	0.552	0.31		
5.723	28177	22316	0.792	0.73		
5.750	43534	29596	0.680	1.13	7 Aroclor 1016	CO
5.818	3181	1522	0.478	0.08		
5.928	31065	15664	0.504	0.80		
5.980	81576	71650	0.878	2.12	7 Aroclor 1016	CO
6.002	148181	97289	0.657	3.85	7 Aroclor 1016	CO
6.055	16672	10409	0.624	0.43		
6.095	5205	4085	0.785	0.13		
6.128	95725	57033	0.596	2.49		
6.188	63256	42658	0.674	1.64	7 Aroclor 1016	CO
6.292	53308	39565	0.742	1.38		
6.317	51761	37918	0.733	1.34		
6.352	43386	27748	0.640	1.13		
6.495	69239	54571	0.788	1.80	7 Aroclor 1016	CO
6.522	27424	22464	0.819	0.71		
6.570	38476	30542	0.794	1.00	7 Aroclor 1016	CO
6.605	44979	27562	0.613	1.17		
6.698	16182	10656	0.658	0.42		
6.745	1669	1252	0.750	0.04		
6.780	7738	6074	0.785	0.20		
6.817	41664	33559	0.805	1.08		
6.850	25914	11088	0.428	0.67		
6.980	6570	5641	0.859	0.17		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.018	59804	40672	0.680	1.55	
7.210	4333	3673	0.848	0.11	
7.240	34812	27748	0.797	0.90	
7.333	28168	25243	0.896	0.73	
7.363	61986	53312	0.860	1.61	
7.408	39042	20120	0.515	1.01	
7.467	119467	103774	0.869	3.11	28 Aroclor 1260
7.542	21619	14716	0.681	0.56	
7.580	4265	3443	0.807	0.11	
7.622	21310	19018	0.892	0.55	
7.663	185515	129774	0.700	4.83	28 Aroclor 1260
7.705	40002	34710	0.868	1.04	
7.758	84961	71187	0.838	2.21	
7.830	6278	5321	0.848	0.16	
7.870	201797	134448	0.666	5.25	
7.943	120278	103337	0.859	3.13	28 Aroclor 1260
7.977	64730	56869	0.879	1.68	
8.045	25372	21407	0.844	0.66	
8.078	16673	12257	0.735	0.43	
8.122	115235	100045	0.868	3.00	28 Aroclor 1260
8.153	60666	49799	0.821	1.58	
8.188	35333	26123	0.739	0.92	
8.228	6403	5650	0.882	0.16	
8.252	14954	11506	0.769	0.38	
8.293	22869	19072	0.834	0.59	
8.340	271549	228259	0.841	7.07	28 Aroclor 1260
8.370	16049	14974	0.933	0.41	
8.397	8328	6255	0.751	0.21	
8.497	509	377	0.740	0.01	
8.567	202016	111456	0.552	5.26	
8.620	91444	55245	0.604	2.38	
8.692	2577	902	0.350	0.06	
8.778	3870	3112	0.804	0.10	
8.830	3926	3377	0.860	0.10	
8.867	38918	26406	0.679	1.01	28 Aroclor 1260
8.960	649	164	0.253	0.01	
9.083	86599	63054	0.728	2.25	28 Aroclor 1260
9.137	6358	3788	0.596	0.16	
9.192	914	377	0.412	0.02	
9.362	24188	15824	0.654	0.62	
9.563	262626	162392	0.618	6.84	\$ 42 Decachlorobiphenyl
9.835	861	505	0.586	0.02	
11.042	538	160	0.297	0.01	
	3839452	2740737		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713085.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 14:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 07:50 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	278482	0.05000	0.048			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.146	5.125	0.021	45157	0.50000	0.47	0.00-	20.00	100.00 (M)	CO
5.750	5.731	0.019	43534	0.50000	0.47	0.00-	20.00	96.41	CO
5.980	5.962	0.018	81575	0.50000	0.47	0.00-	20.00	180.65	CO
6.001	5.984	0.017	148181	0.50000	0.49	0.00-	20.00	328.15	CO
6.188	6.171	0.017	63256	0.50000	0.45	0.00-	20.00	140.08	CO
6.495	6.479	0.016	69238	0.50000	0.47	0.00-	20.00	153.33	CO
6.570	6.554	0.016	38476	0.50000	0.48	0.00-	20.00	85.20	CO
Average of Peak Amounts =					0.47143				

28 Aroclor 1260					CAS #: 11096-82-5				
7.466	7.453	0.013	119466	0.50000	0.46	0.00-	20.00	100.00 (M)	CO
7.663	7.649	0.014	185515	0.50000	0.45	0.00-	20.00	155.29	CO
7.943	7.930	0.013	120277	0.50000	0.45	0.00-	20.00	100.68	CO
8.121	8.108	0.013	115235	0.50000	0.44	0.00-	20.00	96.46	CO
8.340	8.325	0.015	271549	0.50000	0.44	0.00-	20.00	227.30	CO
8.866	8.850	0.016	38918	0.50000	0.36	0.00-	20.00	32.58	CO
9.083	9.068	0.015	86598	0.50000	0.44	0.00-	20.00	72.49	CO
Average of Peak Amounts =					0.43429				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	262626	0.05000	0.045				

QC Flag Legend

M - Compound response manually integrated.

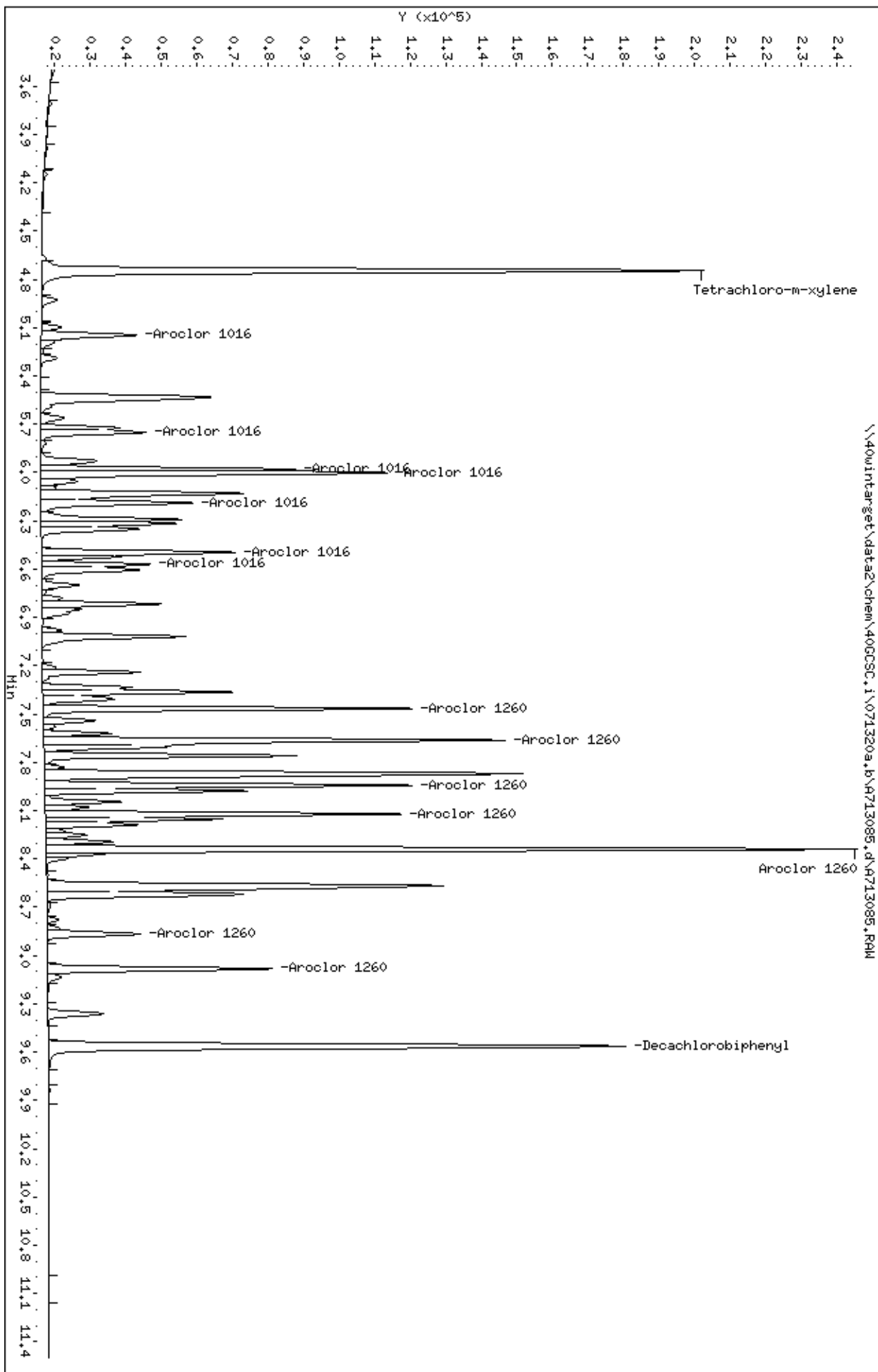
QC Flag Legend

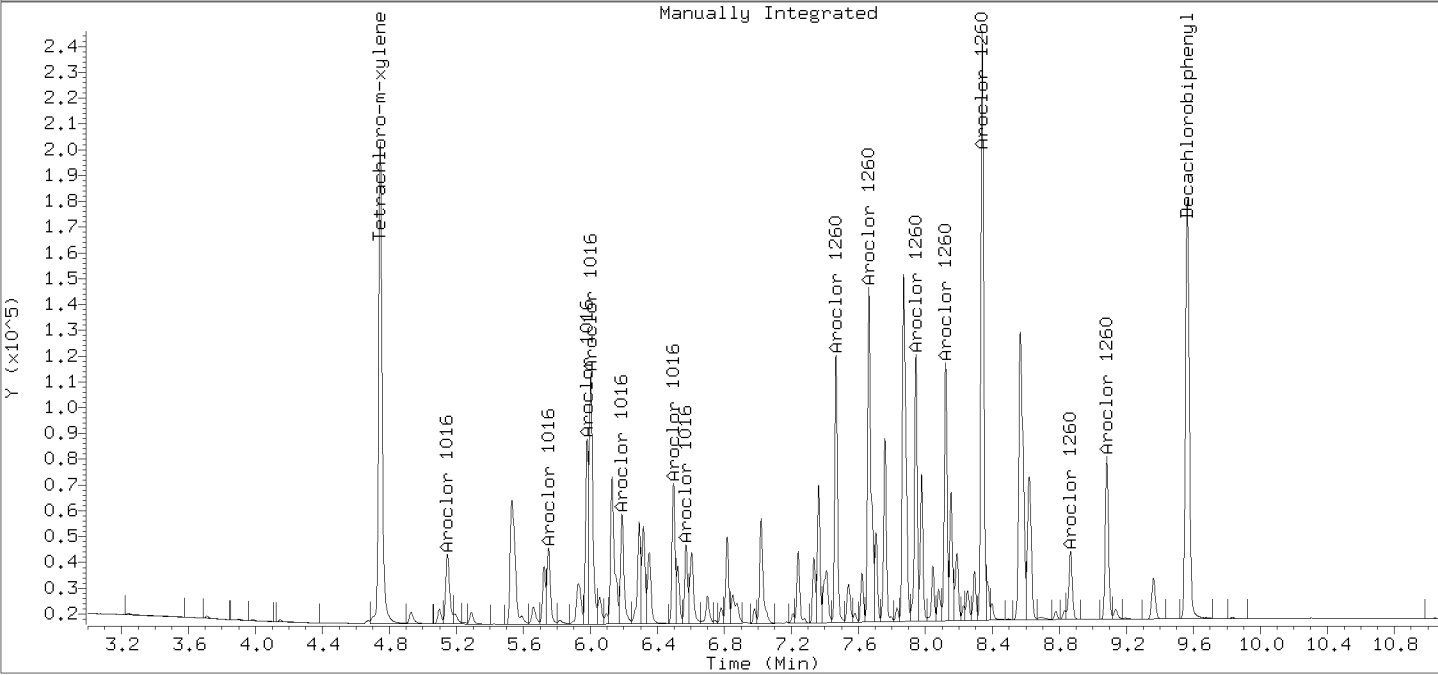
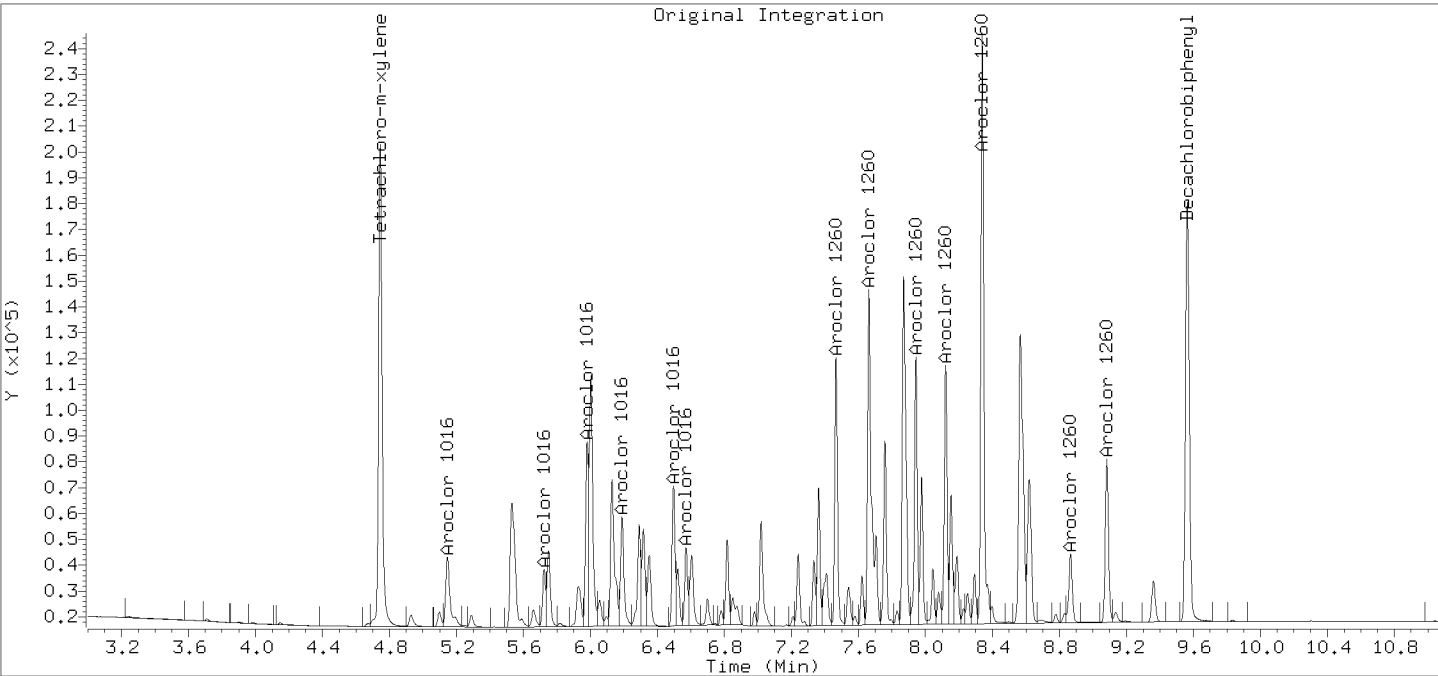
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713085.d
Date : 14-JUL-2020 14:15
Client ID: 1660-CCV
Sample Info: 1660-CCV,254171:1
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1016	51464	45157	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO
Aroclor 1260	119099	119466	CO

Tetrachloro-m-xylene	278142	278482	BA
Decachlorobiphenyl	262626	262626	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713085.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 14:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 07:51 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.528	1651	388	0.235	0.04		
3.623	1324	1147	0.866	0.03		
3.810	561	460	0.820	0.01		
3.875	778	649	0.834	0.02		
4.192	630	516	0.819	0.01		
4.680	253058	206635	0.817	7.80	\$ 2 Tetrachloro-m-xylene	BA
4.743	1857	1242	0.669	0.05		
4.772	1965	1506	0.766	0.05		
4.798	4602	2943	0.640	0.13		
4.980	8234	5683	0.690	0.24		
5.092	3001	2389	0.796	0.08		
5.133	8978	6531	0.727	0.26		
5.200	42857	30208	0.705	1.25	7 Aroclor 1016	CO
5.253	1256	907	0.722	0.03		
5.443	5846	4702	0.804	0.17		
5.618	88491	46479	0.525	2.58		
5.680	5518	3825	0.693	0.16		
5.732	11628	6704	0.577	0.33		
5.828	28132	24205	0.860	0.82		
5.863	38756	30140	0.778	1.13	7 Aroclor 1016	CO
5.925	1779	1506	0.846	0.05		
5.955	18183	15119	0.831	0.53		
5.982	13248	10236	0.773	0.38		
6.040	82930	79192	0.955	2.42	7 Aroclor 1016	CO
6.060	132355	102413	0.774	3.86	7 Aroclor 1016	CO
6.182	82144	60203	0.733	2.39		
6.222	5290	4010	0.758	0.15		
6.275	54953	46730	0.850	1.60	7 Aroclor 1016	CO
6.308	17629	14431	0.819	0.51		
6.352	45831	39832	0.869	1.33		
6.392	46615	38079	0.817	1.36		
6.430	42293	25166	0.595	1.23		
6.485	5181	2732	0.527	0.15		
6.587	65015	57662	0.887	1.89	7 Aroclor 1016	CO
6.625	32396	22355	0.690	0.94		
6.690	54039	46300	0.857	1.57	7 Aroclor 1016	CO
6.713	16258	14831	0.912	0.47		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.752	2935	1915	0.653	0.08	
6.817	13671	11755	0.860	0.39	
6.843	8722	7240	0.830	0.25	
6.893	13520	11685	0.864	0.39	
6.928	45366	38402	0.846	1.32	
6.992	2808	2278	0.811	0.08	
7.023	7224	6223	0.861	0.21	
7.070	41701	37912	0.909	1.21	
7.117	7599	5750	0.757	0.22	
7.152	5924	4333	0.731	0.17	
7.248	736	621	0.844	0.02	
7.293	4240	3585	0.846	0.12	
7.337	12500	11112	0.889	0.36	
7.405	18867	17882	0.948	0.55	
7.422	29671	27849	0.939	0.86	
7.447	56131	52640	0.938	1.63	
7.493	34841	22090	0.634	1.01	
7.562	119064	100897	0.847	3.47	28 Aroclor 1260
7.602	2665	2759	1.035	0.07	
7.658	23968	19342	0.807	0.70	
7.702	130727	126441	0.967	3.81	28 Aroclor 1260
7.755	1111	708	0.638	0.03	
7.820	127070	89931	0.708	3.71	
7.900	19753	12685	0.642	0.57	
7.958	178729	110417	0.618	5.22	
8.017	103250	92328	0.894	3.01	28 Aroclor 1260
8.055	56192	53053	0.944	1.64	
8.118	4033	4382	1.087	0.11	
8.140	22240	19903	0.895	0.64	
8.228	107003	89864	0.840	3.12	28 Aroclor 1260
8.282	53097	42970	0.809	1.55	
8.323	61712	31156	0.505	1.80	
8.375	628	3175	5.056	0.01	
8.400	223830	191352	0.855	6.53	28 Aroclor 1260
8.453	6607	5168	0.782	0.19	
8.515	9617	8269	0.860	0.28	
8.565	928	485	0.523	0.02	
8.638	4955	4194	0.846	0.14	
8.692	169189	91691	0.542	4.94	
8.722	79456	42260	0.532	2.32	
8.885	4872	3352	0.688	0.14	
8.943	3572	2736	0.766	0.10	
9.033	1601	2297	1.435	0.04	
9.058	32356	24092	0.745	0.94	28 Aroclor 1260
9.190	72721	52897	0.727	2.12	28 Aroclor 1260
9.227	5318	4003	0.753	0.15	
9.530	22751	14654	0.644	0.66	
9.835	242358	148158	0.611	7.08	\$ 42 Decachlorobiphenyl
	3423087	2616947		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713085.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 14:15
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 07:51 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.680	4.660	0.020	253058	0.05000	0.051			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.200	5.179	0.021	42856	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
5.863	5.844	0.019	38756	0.50000	0.48	0.00-	20.00	90.43	CO
6.040	6.022	0.018	82929	0.50000	0.50	0.00-	20.00	193.51	CO
6.060	6.041	0.019	132354	0.50000	0.49	0.00-	20.00	308.83	CO
6.275	6.258	0.017	54953	0.50000	0.48	0.00-	20.00	128.23	CO
6.586	6.570	0.016	65015	0.50000	0.48	0.00-	20.00	151.71	CO
6.690	6.673	0.017	54038	0.50000	0.50	0.00-	20.00	126.09	CO
Average of Peak Amounts =					0.48714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.561	7.548	0.013	119064	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.701	7.688	0.013	130727	0.50000	0.49	0.00-	20.00	109.80	CO
8.016	8.002	0.014	103250	0.50000	0.46	0.00-	20.00	86.72	CO
8.228	8.214	0.014	107003	0.50000	0.45	0.00-	20.00	89.87	CO
8.400	8.384	0.016	223829	0.50000	0.47	0.00-	20.00	187.99	CO
9.058	9.040	0.018	32355	0.50000	0.42	0.00-	20.00	27.17	CO
9.190	9.171	0.019	72720	0.50000	0.48	0.00-	20.00	61.08	CO
Average of Peak Amounts =					0.46429				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.835	9.812	0.023	242357	0.05000	0.046				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

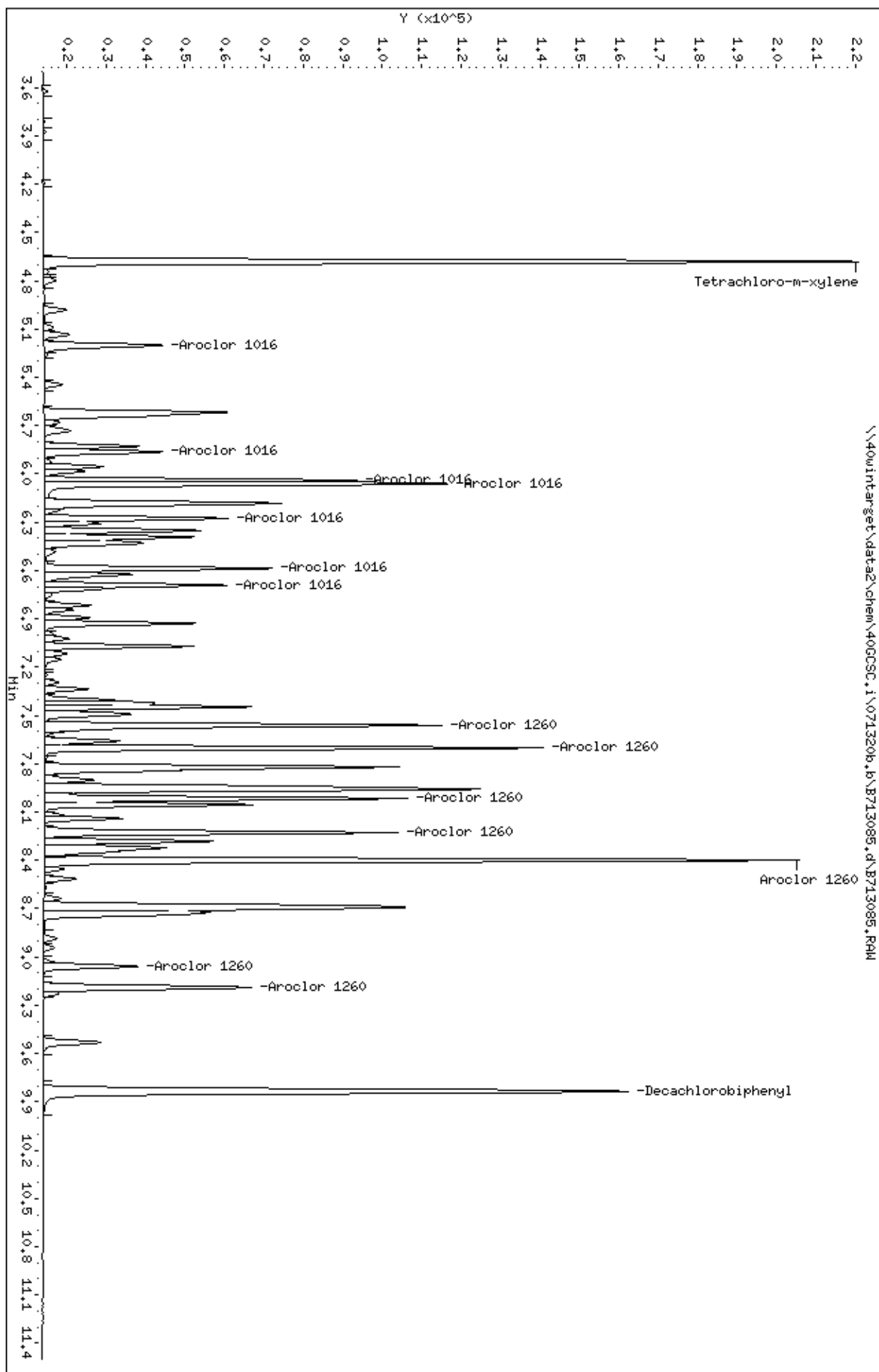
Review Codes Legend

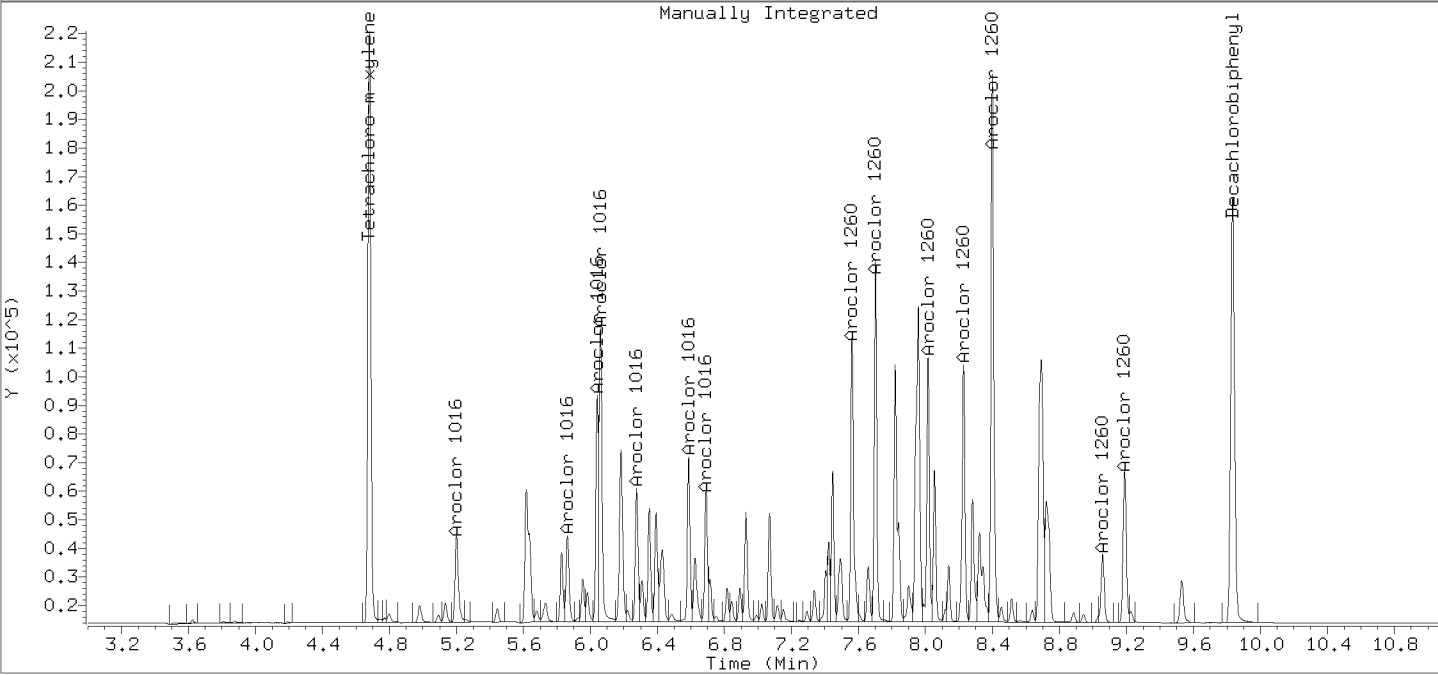
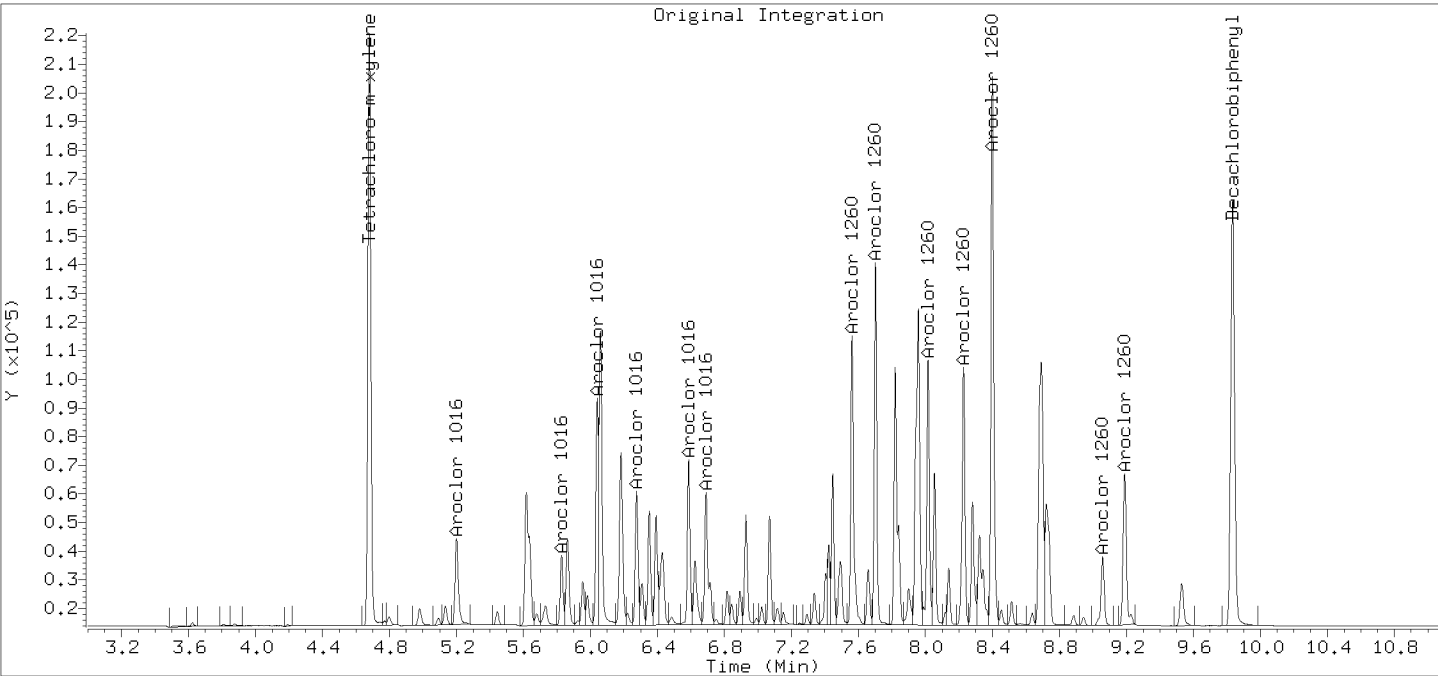
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713085.d
Date : 14-JUL-2020 14:15
Client ID: 1660-CCV
Sample Info: 1660-CCV,254171:1

Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1016	42519	42856	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO
Aroclor 1260	121456	119064	CO

Tetrachloro-m-xylene	254405	253058	BA
Decachlorobiphenyl	242357	242357	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713106.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 22:02
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 08:10 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.247	1168	315	0.270	0.02		
3.712	1372	817	0.595	0.03		
3.902	535	369	0.690	0.01		
3.987	539	333	0.618	0.01		
4.150	1021	711	0.696	0.02		
4.677	1699	1157	0.681	0.04		
4.748	282504	192218	0.680	7.65	\$ 2 Tetrachloro-m-xylene	BA
4.932	8449	4416	0.523	0.21		
5.100	8529	5583	0.655	0.21		
5.148	45534	27867	0.612	1.16	7 Aroclor 1016	CO
5.195	7024	3888	0.554	0.17		
5.248	1122	682	0.608	0.02		
5.292	7344	4644	0.632	0.18		
5.533	104391	49078	0.470	2.67		
5.662	12117	6786	0.560	0.31		
5.725	28323	23016	0.813	0.72		
5.752	45068	30608	0.679	1.15	7 Aroclor 1016	CO
5.820	3325	1566	0.471	0.08		
5.930	31582	16119	0.510	0.80		
5.982	87483	73293	0.838	2.24	7 Aroclor 1016	CO
6.005	147486	99213	0.673	3.77	7 Aroclor 1016	CO
6.057	17762	10791	0.608	0.45		
6.097	5540	4347	0.785	0.14		
6.130	97697	59190	0.606	2.50		
6.190	65182	43215	0.663	1.66	7 Aroclor 1016	CO
6.293	54709	40411	0.739	1.40		
6.318	52883	39103	0.739	1.35		
6.353	44992	28530	0.634	1.15		
6.498	70676	56678	0.802	1.81	7 Aroclor 1016	CO
6.523	28664	23028	0.803	0.73		
6.573	39123	31814	0.813	1.00	7 Aroclor 1016	CO
6.605	46188	27917	0.604	1.18		
6.702	16575	11142	0.672	0.42		
6.747	1743	1316	0.755	0.04		
6.782	7912	6212	0.785	0.20		
6.818	42522	34620	0.814	1.08		
6.852	26441	10957	0.414	0.67		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.982	6718	5834	0.868	0.17	
7.020	61212	41892	0.684	1.56	
7.172	586	534	0.911	0.01	
7.212	4570	3914	0.856	0.11	
7.242	35489	27795	0.783	0.90	
7.335	29116	26449	0.908	0.74	
7.363	63091	53743	0.852	1.61	
7.410	39486	20623	0.522	1.01	
7.468	122573	106045	0.865	3.13	28 Aroclor 1260
7.542	25920	14415	0.556	0.66	
7.622	21583	19488	0.903	0.55	
7.663	189178	132116	0.698	4.84	28 Aroclor 1260
7.707	39746	35171	0.885	1.01	
7.760	85824	72707	0.847	2.19	
7.832	6352	5360	0.844	0.16	
7.872	204019	135286	0.663	5.22	
7.945	121649	104465	0.859	3.11	28 Aroclor 1260
7.978	64993	57895	0.891	1.66	
8.045	25530	21493	0.842	0.65	
8.080	16736	12187	0.728	0.42	
8.122	116477	101528	0.872	2.98	28 Aroclor 1260
8.153	61157	49968	0.817	1.56	
8.190	35285	26555	0.753	0.90	
8.230	6503	5725	0.880	0.16	
8.253	14989	11516	0.768	0.38	
8.295	23114	19337	0.837	0.59	
8.340	274919	233590	0.850	7.04	28 Aroclor 1260
8.372	15920	15170	0.953	0.40	
8.398	8277	6253	0.756	0.21	
8.498	478	338	0.707	0.01	
8.568	204542	111028	0.543	5.23	
8.622	92720	55781	0.602	2.37	
8.693	2434	862	0.354	0.06	
8.780	3882	3115	0.802	0.09	
8.832	4225	3404	0.806	0.10	
8.868	39084	26938	0.689	1.00	28 Aroclor 1260
8.960	549	165	0.300	0.01	
9.085	87755	62978	0.718	2.24	28 Aroclor 1260
9.137	6995	3942	0.564	0.17	
9.363	24772	16108	0.650	0.63	
9.567	269020	163661	0.608	6.89	\$ 42 Decachlorobiphenyl
9.838	1166	533	0.457	0.02	
	3903859	2787857		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713106.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 22:02
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 08:10 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.748	4.726	0.022	282504	0.05000	0.049			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.148	5.125	0.023	45534	0.50000	0.47	0.00-	20.00	100.00 (M)	CO
5.751	5.731	0.020	45067	0.50000	0.48	0.00-	20.00	98.97	CO
5.981	5.962	0.019	87483	0.50000	0.51	0.00-	20.00	192.13	CO
6.005	5.984	0.021	147486	0.50000	0.49	0.00-	20.00	323.90	CO
6.190	6.171	0.019	65181	0.50000	0.47	0.00-	20.00	143.15	CO
6.498	6.479	0.019	70675	0.50000	0.48	0.00-	20.00	155.21	CO
6.573	6.554	0.019	39123	0.50000	0.49	0.00-	20.00	85.92	CO
Average of Peak Amounts =					0.48429				

28 Aroclor 1260					CAS #: 11096-82-5				
7.468	7.453	0.015	122572	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.663	7.649	0.014	189178	0.50000	0.46	0.00-	20.00	154.34	CO
7.945	7.930	0.015	121648	0.50000	0.46	0.00-	20.00	99.25	CO
8.121	8.108	0.013	116476	0.50000	0.45	0.00-	20.00	95.03	CO
8.340	8.325	0.015	274918	0.50000	0.45	0.00-	20.00	224.29	CO
8.868	8.850	0.018	39084	0.50000	0.37	0.00-	20.00	31.89	CO
9.085	9.068	0.017	87755	0.50000	0.45	0.00-	20.00	71.59	CO
Average of Peak Amounts =					0.44571				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.566	9.546	0.020	269019	0.05000	0.046				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 14-JUL-2020 22:02

Client ID: 1660-CCV

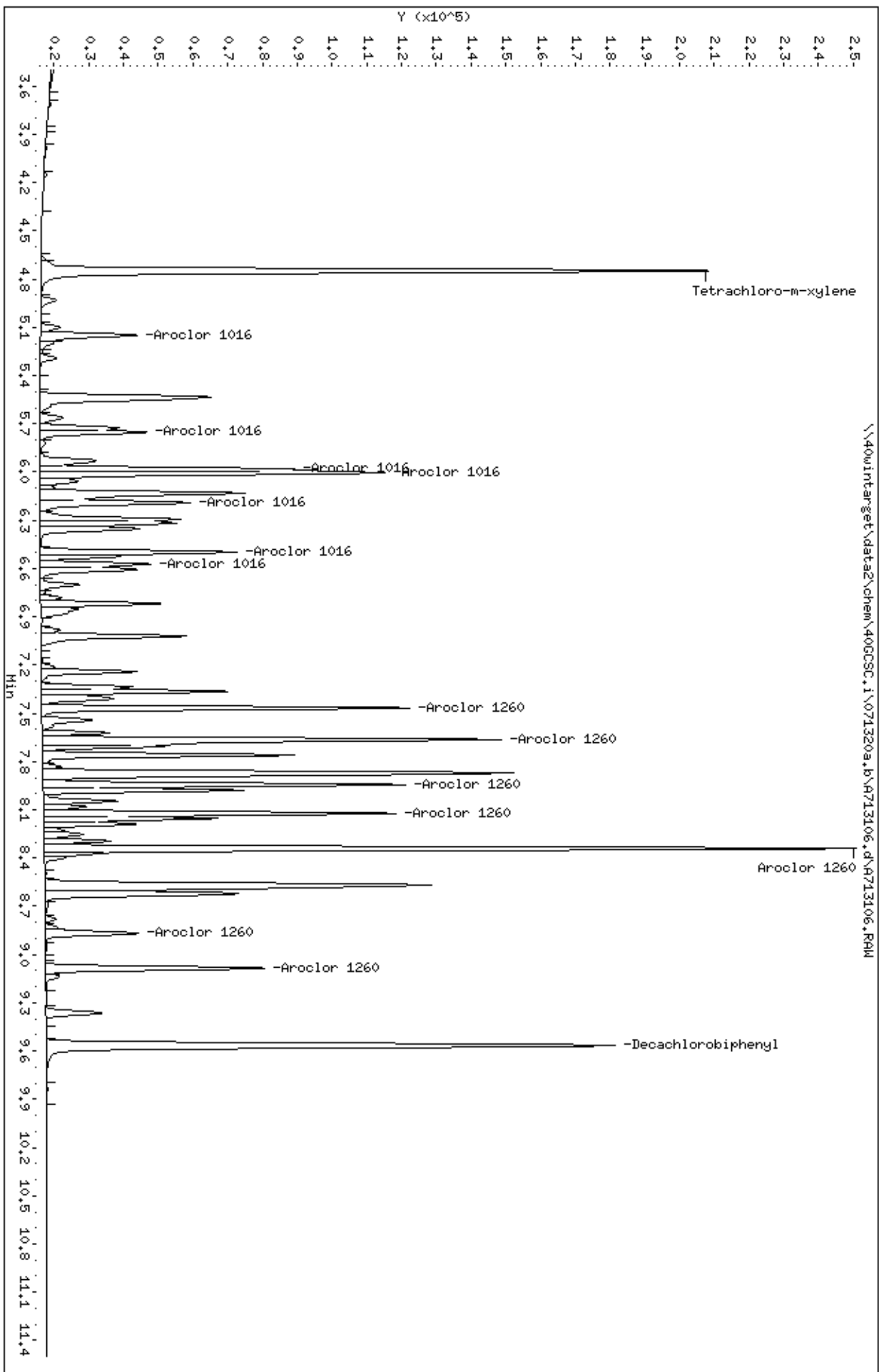
Sample Info: 1660-CCV,254171:1

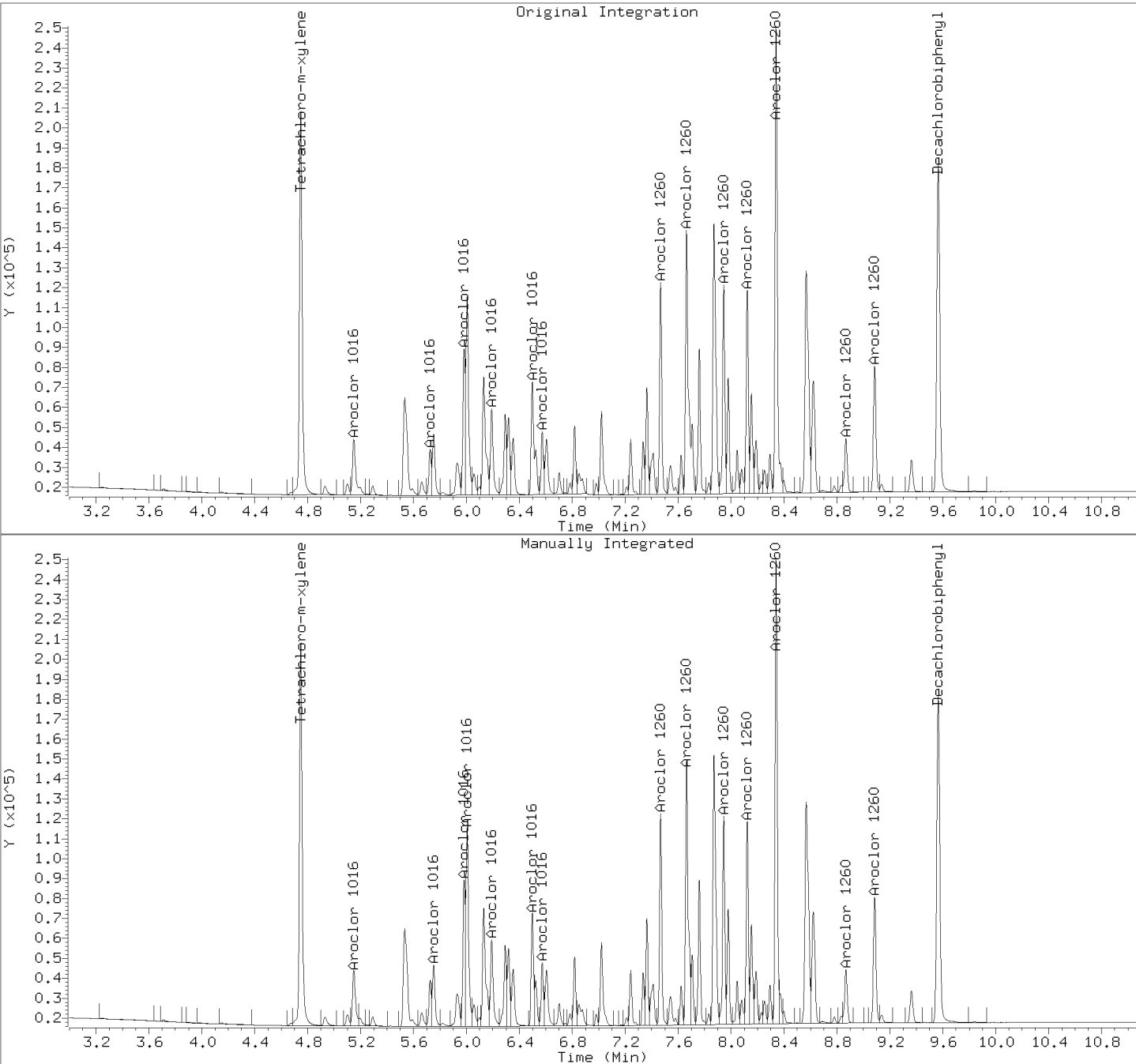
Instrument: 40GCSC.i

Column phase: Rtx-CLP

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1016	52043	45534	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO
Aroclor 1260	122583	122572	CO

Tetrachloro-m-xylene	281255	282504	BA
Decachlorobiphenyl	269019	269019	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713106.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 22:02
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 08:14 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.625	1404	1204	0.858	0.04		
3.813	537	467	0.870	0.01		
3.877	636	574	0.902	0.01		
4.193	556	468	0.842	0.01		
4.683	257698	211863	0.822	7.86	\$ 2 Tetrachloro-m-xylene	BA
4.745	1906	1270	0.666	0.05		
4.773	2013	1528	0.759	0.05		
4.802	4581	3014	0.658	0.13		
4.983	8298	5704	0.687	0.23		
5.095	3057	2449	0.801	0.08		
5.137	9183	6792	0.740	0.26		
5.203	43715	30760	0.704	1.25	7 Aroclor 1016	CO
5.257	1947	957	0.492	0.05		
5.447	6036	4817	0.798	0.17		
5.533	982	313	0.319	0.02		
5.620	91085	47760	0.524	2.61		
5.682	5873	3860	0.657	0.16		
5.735	11962	7085	0.592	0.34		
5.830	28848	25638	0.889	0.82		
5.865	40107	31751	0.792	1.15	7 Aroclor 1016	CO
5.927	1756	1518	0.864	0.05		
5.957	18665	15543	0.833	0.53		
5.985	13759	10484	0.762	0.39		
6.043	82847	80619	0.973	2.38	7 Aroclor 1016	CO
6.062	139744	107264	0.768	4.01	7 Aroclor 1016	CO
6.185	84866	61124	0.720	2.44		
6.225	5716	4259	0.745	0.16		
6.277	56709	48992	0.864	1.63	7 Aroclor 1016	CO
6.310	18363	14983	0.816	0.52		
6.353	47349	41370	0.874	1.36		
6.393	47921	39673	0.828	1.37		
6.430	44179	26118	0.591	1.27		
6.488	5469	2999	0.548	0.15		
6.588	67085	59332	0.884	1.92	7 Aroclor 1016	CO
6.627	33519	22869	0.682	0.96		
6.693	55392	46934	0.847	1.59	7 Aroclor 1016	CO
6.717	17378	15461	0.890	0.49		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.753	3035	1982	0.653	0.08	
6.818	13981	12245	0.876	0.40	
6.845	9057	7428	0.820	0.26	
6.895	13941	11965	0.858	0.40	
6.932	46581	39520	0.848	1.33	
6.995	2816	2351	0.835	0.08	
7.025	7338	6372	0.868	0.21	
7.072	42755	38967	0.911	1.22	
7.118	7678	5972	0.778	0.22	
7.155	6226	4383	0.704	0.17	
7.250	707	647	0.915	0.02	
7.295	4204	3585	0.853	0.12	
7.340	12645	11224	0.888	0.36	
7.407	18550	18248	0.984	0.53	
7.425	29728	27646	0.930	0.85	
7.448	57821	53313	0.922	1.66	
7.495	34975	22756	0.651	1.00	
7.563	120411	101046	0.839	3.46	28 Aroclor 1260
7.603	2679	2795	1.043	0.07	
7.660	24574	19961	0.812	0.70	
7.703	131620	125714	0.955	3.78	28 Aroclor 1260
7.755	477	698	1.462	0.01	
7.822	127898	90803	0.710	3.67	
7.902	19687	12558	0.638	0.56	
7.960	179025	107447	0.600	5.14	
8.018	103451	95312	0.921	2.97	28 Aroclor 1260
8.057	56332	52706	0.936	1.62	
8.120	4096	4347	1.061	0.11	
8.142	21733	19917	0.916	0.62	
8.230	106690	90632	0.849	3.06	28 Aroclor 1260
8.283	52613	43322	0.823	1.51	
8.325	61904	31234	0.505	1.78	
8.377	641	3383	5.279	0.01	
8.403	228271	194711	0.853	6.56	28 Aroclor 1260
8.457	6565	5237	0.798	0.18	
8.518	9695	8366	0.863	0.27	
8.567	943	486	0.515	0.02	
8.640	4738	4184	0.883	0.13	
8.695	170041	90907	0.535	4.89	
8.725	77669	43227	0.557	2.23	
8.888	3880	3267	0.842	0.11	
8.947	3383	2758	0.815	0.09	
9.037	1627	2344	1.441	0.04	
9.062	32739	24254	0.741	0.94	28 Aroclor 1260
9.193	74374	54343	0.731	2.13	28 Aroclor 1260
9.230	5957	4074	0.684	0.17	
9.533	22917	15059	0.657	0.65	
9.838	246737	148766	0.603	7.09	\$ 42 Decachlorobiphenyl
	3476544	2660278		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713106.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 14-JUL-2020 22:02
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 08:14 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.683	4.660	0.023	257698	0.05000	0.052			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.203	5.179	0.024	43715	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
5.865	5.844	0.021	40107	0.50000	0.50	0.00-	20.00	91.75	CO
6.043	6.022	0.021	82846	0.50000	0.50	0.00-	20.00	189.51	CO
6.061	6.041	0.020	139743	0.50000	0.52	0.00-	20.00	319.67	CO
6.276	6.258	0.018	56708	0.50000	0.50	0.00-	20.00	129.72	CO
6.588	6.570	0.018	67084	0.50000	0.50	0.00-	20.00	153.46	CO
6.693	6.673	0.020	55391	0.50000	0.51	0.00-	20.00	126.71	CO
Average of Peak Amounts =					0.50143				

28 Aroclor 1260					CAS #: 11096-82-5				
7.563	7.548	0.015	120410	0.50000	0.48	0.00-	20.00	100.00 (M)	CO
7.703	7.688	0.015	131619	0.50000	0.49	0.00-	20.00	109.31	CO
8.018	8.002	0.016	103450	0.50000	0.46	0.00-	20.00	85.91	CO
8.230	8.214	0.016	106690	0.50000	0.45	0.00-	20.00	88.61	CO
8.403	8.384	0.019	228271	0.50000	0.48	0.00-	20.00	189.58	CO
9.061	9.040	0.021	32738	0.50000	0.43	0.00-	20.00	27.19	CO
9.193	9.171	0.022	74373	0.50000	0.49	0.00-	20.00	61.77	CO
Average of Peak Amounts =					0.46857				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.838	9.812	0.026	246737	0.05000	0.047				

QC Flag Legend

M - Compound response manually integrated.

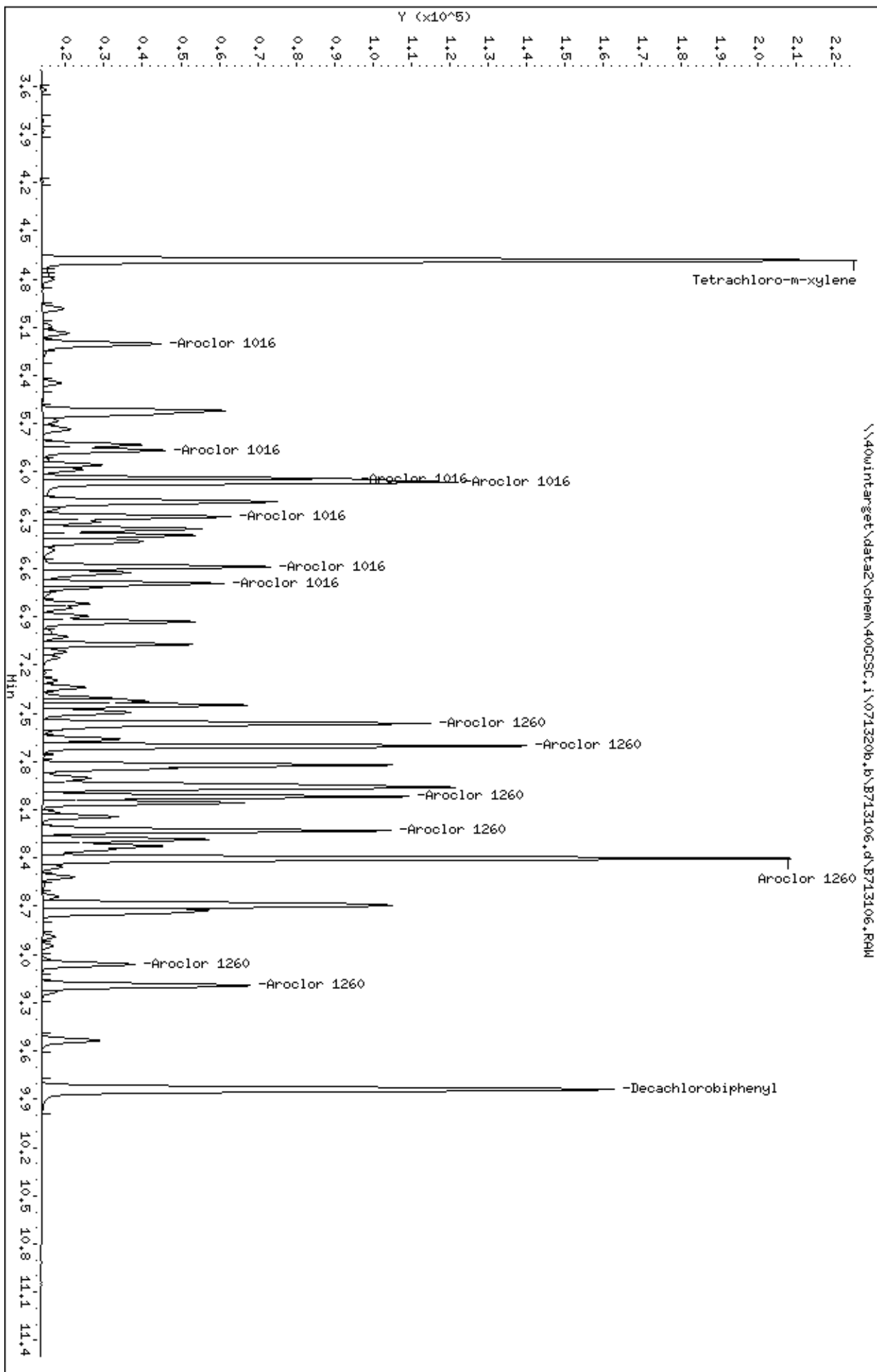
QC Flag Legend

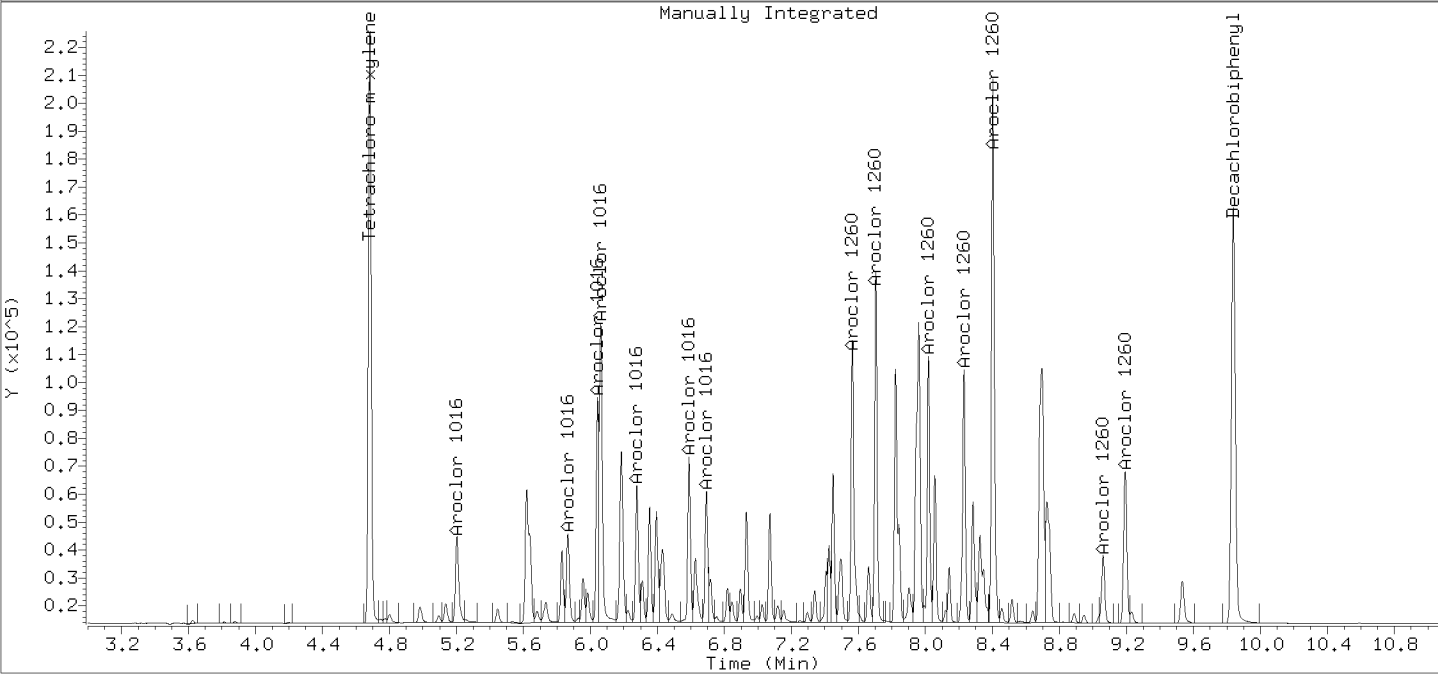
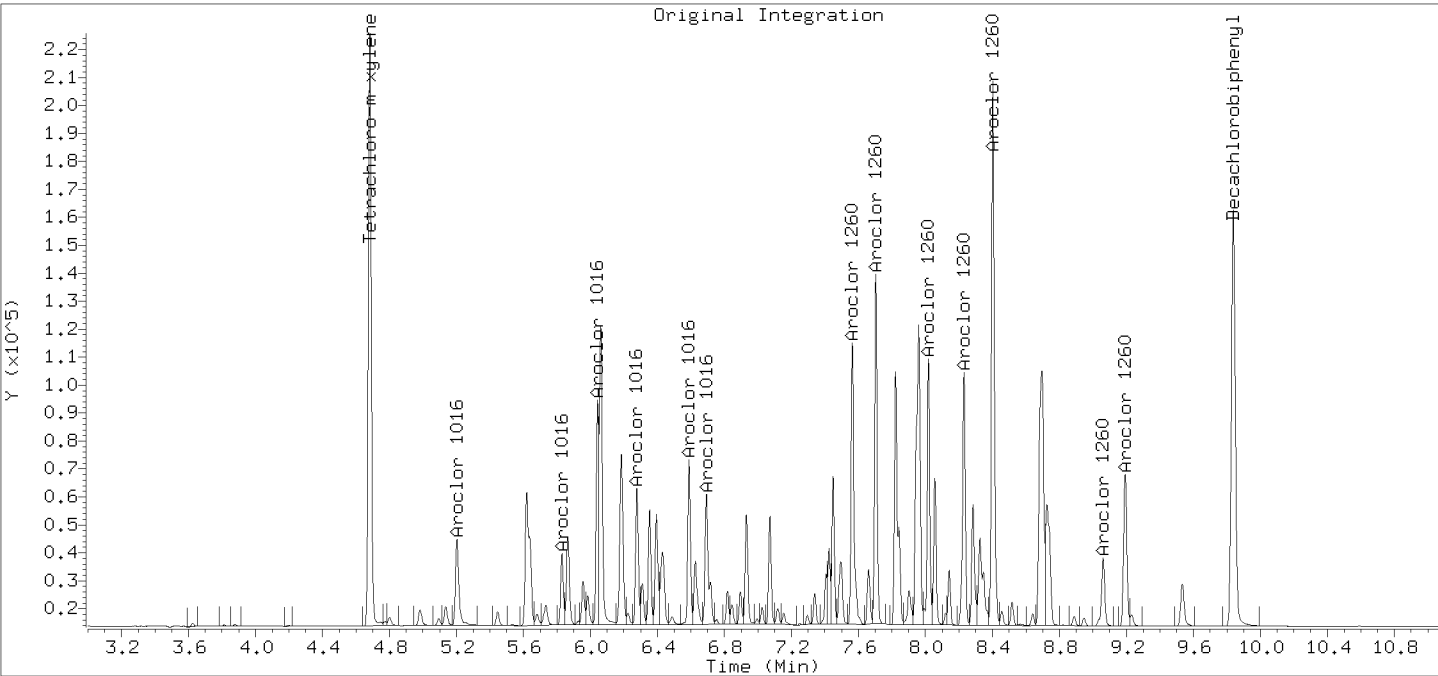
Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713106.d
Date : 14-JUL-2020 22:02
Client ID: 1660-CCV
Sample Info: 1660-CCV,254171:1
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1016	44603	43715	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO
Aroclor 1260	119964	120410	CO

Tetrachloro-m-xylene	259114	257698	BA
Decachlorobiphenyl	246737	246737	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713121.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 15-JUL-2020 03:35
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.242	2860	695	0.243	0.06		
3.710	1169	890	0.761	0.02		
3.985	668	346	0.518	0.01		
4.148	771	665	0.863	0.01		
4.745	294881	193434	0.656	7.56	\$ 2 Tetrachloro-m-xylene	BA
4.930	9070	4515	0.498	0.22		
5.098	8707	5691	0.654	0.21		
5.147	47490	27837	0.586	1.16	7 Aroclor 1016	CO
5.192	7386	4083	0.553	0.18		
5.247	1338	788	0.589	0.03		
5.290	7690	4680	0.609	0.18		
5.532	107857	49794	0.462	2.63		
5.662	12599	6877	0.546	0.30		
5.723	29207	23514	0.805	0.71		
5.750	46787	30759	0.657	1.14	7 Aroclor 1016	CO
5.818	3451	1580	0.458	0.08		
5.928	32504	16415	0.505	0.79		
5.982	89337	74901	0.838	2.18	7 Aroclor 1016	CO
6.003	152817	102169	0.669	3.73	7 Aroclor 1016	CO
6.055	18446	11134	0.604	0.45		
6.095	5723	4446	0.777	0.13		
6.130	100598	58889	0.585	2.45		
6.190	67500	44468	0.659	1.64	7 Aroclor 1016	CO
6.292	55868	41327	0.740	1.36		
6.317	54499	39766	0.730	1.33		
6.352	46390	28913	0.623	1.13		
6.497	72867	58405	0.802	1.78	7 Aroclor 1016	CO
6.522	29501	23942	0.812	0.72		
6.572	40090	32592	0.813	0.97	7 Aroclor 1016	CO
6.605	47976	28368	0.591	1.17		
6.700	16820	11238	0.668	0.41		
6.745	1806	1362	0.754	0.04		
6.780	8053	6227	0.773	0.19		
6.817	43937	35590	0.810	1.07		
6.850	27344	11448	0.419	0.66		
6.980	6918	5989	0.866	0.16		
7.020	63912	42604	0.667	1.56		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.208	4405	3812	0.865	0.10	
7.240	36922	28454	0.771	0.90	
7.335	29971	27007	0.901	0.73	
7.363	65816	56071	0.852	1.60	
7.410	41392	21164	0.511	1.01	
7.467	127478	111311	0.873	3.11	28 Aroclor 1260
7.542	27291	14948	0.548	0.66	
7.622	22662	20350	0.898	0.55	
7.662	198226	140400	0.708	4.84	28 Aroclor 1260
7.705	42359	37480	0.885	1.03	
7.758	90977	75748	0.833	2.22	
7.830	6784	5716	0.843	0.16	
7.870	215888	145431	0.674	5.27	
7.943	129080	111106	0.861	3.15	28 Aroclor 1260
7.977	69337	61070	0.881	1.69	
8.045	27052	22679	0.838	0.66	
8.078	17812	13131	0.737	0.43	
8.122	123808	109015	0.881	3.02	28 Aroclor 1260
8.153	65349	52916	0.810	1.59	
8.188	37965	28958	0.763	0.92	
8.227	6963	6079	0.873	0.17	
8.252	15961	11951	0.749	0.39	
8.293	24642	20262	0.822	0.60	
8.338	291960	245513	0.841	7.13	28 Aroclor 1260
8.370	17120	16275	0.951	0.41	
8.397	8959	6600	0.737	0.21	
8.498	523	349	0.667	0.01	
8.567	218335	119834	0.549	5.33	
8.620	96822	59390	0.613	2.36	
8.690	2900	1052	0.363	0.07	
8.778	4115	3255	0.791	0.10	
8.832	4363	3539	0.811	0.10	
8.867	41346	29064	0.703	1.01	28 Aroclor 1260
8.943	590	182	0.308	0.01	
9.083	92429	64814	0.701	2.25	28 Aroclor 1260
9.137	7043	4123	0.585	0.17	
9.193	1113	454	0.408	0.02	
9.362	26299	16577	0.630	0.64	
9.563	280324	164319	0.586	6.85	\$ 42 Decachlorobiphenyl
9.673	2108	795	0.377	0.05	
9.833	948	523	0.552	0.02	
10.298	768	269	0.350	0.01	
11.042	1246	369	0.296	0.03	
	4092289	2898696		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713121.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 15-JUL-2020 03:35
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	294881	0.05000	0.051			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.146	5.125	0.021	47489	0.50000	0.49	0.00-	20.00	100.00 (M)	CO
5.750	5.731	0.019	46787	0.50000	0.50	0.00-	20.00	98.52	CO
5.981	5.962	0.019	89337	0.50000	0.52	0.00-	20.00	188.12	CO
6.003	5.984	0.019	152817	0.50000	0.50	0.00-	20.00	321.79	CO
6.190	6.171	0.019	67499	0.50000	0.48	0.00-	20.00	142.14	CO
6.496	6.479	0.017	72866	0.50000	0.49	0.00-	20.00	153.44	CO
6.571	6.554	0.017	40089	0.50000	0.50	0.00-	20.00	84.42	CO
Average of Peak Amounts =					0.49714				

28 Aroclor 1260					CAS #: 11096-82-5				
7.466	7.453	0.013	127477	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
7.661	7.649	0.012	198226	0.50000	0.48	0.00-	20.00	155.50	CO
7.943	7.930	0.013	129079	0.50000	0.48	0.00-	20.00	101.26	CO
8.121	8.108	0.013	123808	0.50000	0.48	0.00-	20.00	97.12	CO
8.338	8.325	0.013	291960	0.50000	0.48	0.00-	20.00	229.03	CO
8.866	8.850	0.016	41345	0.50000	0.39	0.00-	20.00	32.43	CO
9.083	9.068	0.015	92429	0.50000	0.48	0.00-	20.00	72.51	CO
Average of Peak Amounts =					0.47000				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.563	9.546	0.017	280323	0.05000	0.048			(M)	BA

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 15-JUL-2020 03:35

Client ID: 1660-CCV

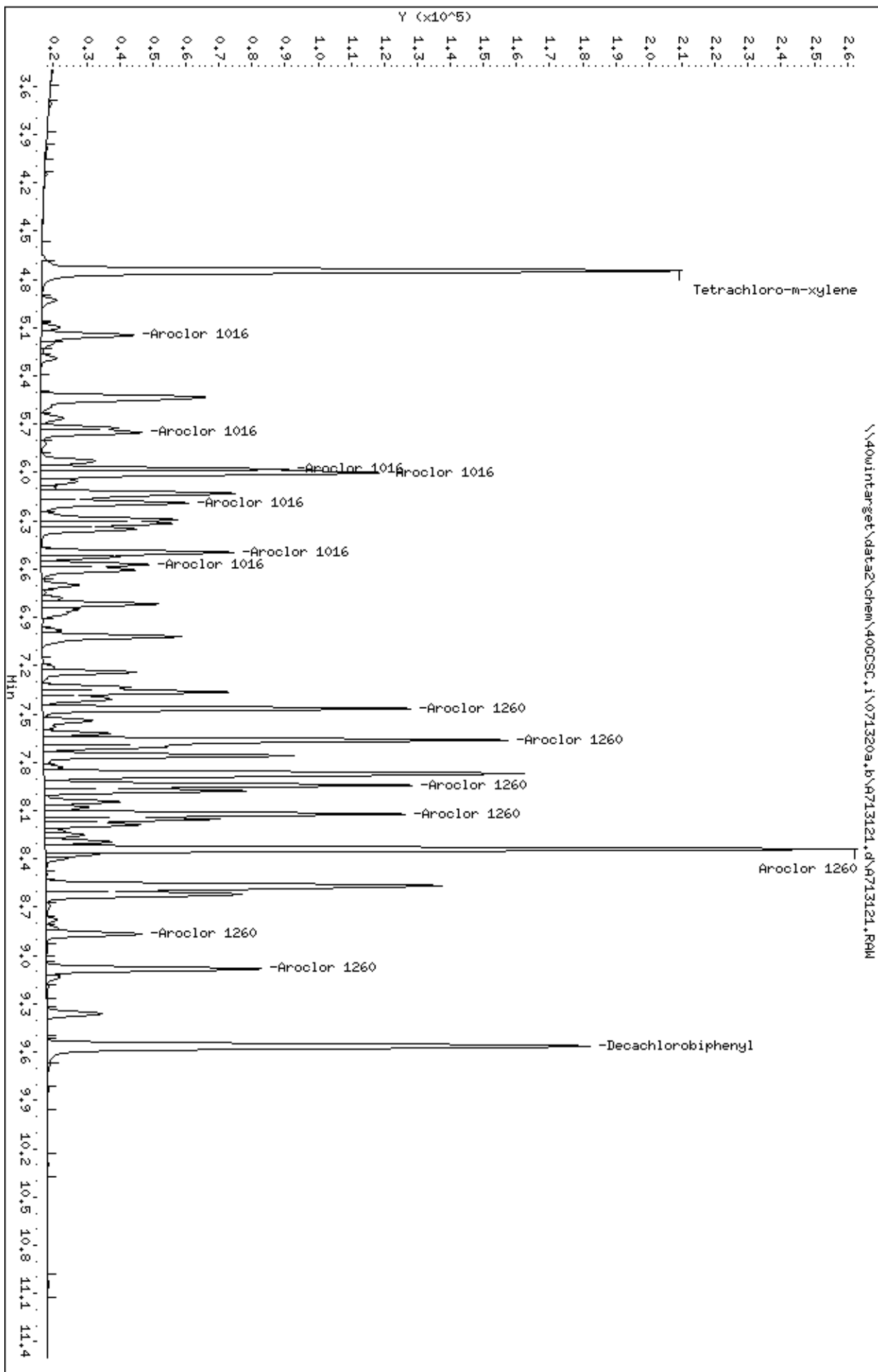
Sample Info: 1660-CCV,254171:1

Column phase: Rtx-CLP

Instrument: 40GCSC.i

Operator: BLH

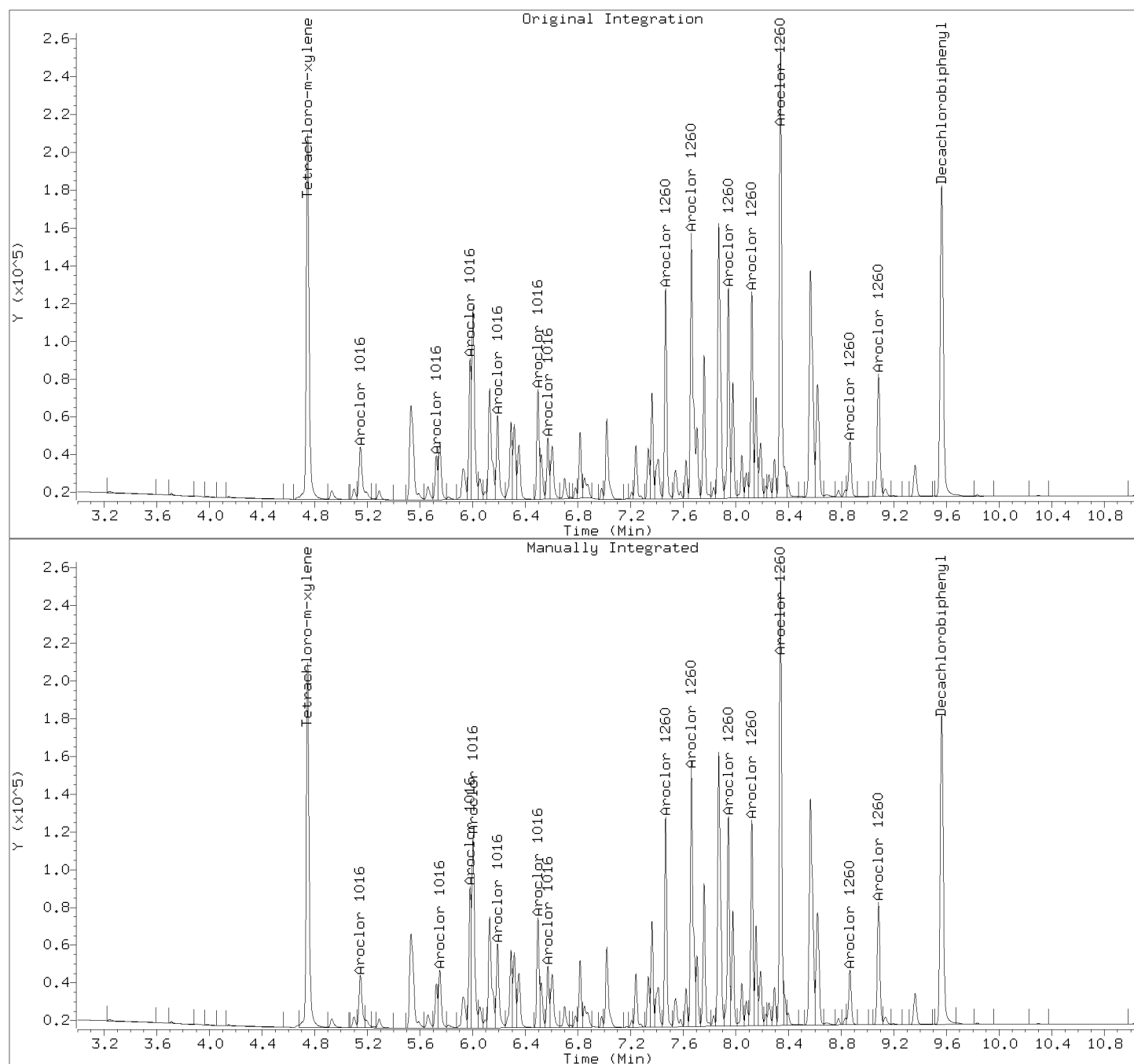
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 1660-CCV



Manually Integrated Compounds

[illegible]

Tetrachloro-m-xylene	296350	294881	BA
Decachlorobiphenyl	283469	280323	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713121.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 15-JUL-2020 03:35
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.625	1723	1325	0.769	0.04		
3.812	572	482	0.843	0.01		
3.875	471	427	0.907	0.01		
4.192	610	491	0.805	0.01		
4.682	268193	217604	0.811	7.65	\$ 2 Tetrachloro-m-xylene	BA
4.743	1976	1297	0.656	0.05		
4.772	2077	1571	0.756	0.05		
4.800	4839	3095	0.640	0.13		
4.982	8608	5844	0.679	0.23		
5.093	3215	2472	0.769	0.08		
5.135	9558	6922	0.724	0.25		
5.202	45594	31334	0.687	1.22	7 Aroclor 1016	CO
5.257	1960	997	0.509	0.05		
5.445	6229	4939	0.793	0.16		
5.530	879	277	0.315	0.02		
5.618	94242	49705	0.527	2.53		
5.680	5783	3945	0.682	0.15		
5.733	12432	7175	0.577	0.33		
5.828	30274	26199	0.865	0.81		
5.863	41161	31888	0.775	1.10	7 Aroclor 1016	CO
5.927	1899	1584	0.834	0.05		
5.955	19024	16219	0.853	0.51		
5.983	14425	10894	0.755	0.38		
6.042	89997	83398	0.927	2.42	7 Aroclor 1016	CO
6.062	139737	109005	0.780	3.76	7 Aroclor 1016	CO
6.183	93131	62613	0.672	2.50		
6.248	174	882	5.057	0.00		
6.277	59118	50410	0.853	1.59	7 Aroclor 1016	CO
6.308	18583	15461	0.832	0.50		
6.352	48903	42423	0.867	1.31		
6.393	49266	40388	0.820	1.32		
6.430	46321	27315	0.590	1.24		
6.487	6131	3337	0.544	0.16		
6.588	69397	61029	0.879	1.86	7 Aroclor 1016	CO
6.625	35203	24042	0.683	0.94		
6.692	58427	48406	0.828	1.57	7 Aroclor 1016	CO
6.715	17399	16279	0.936	0.46		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.752	2711	2051	0.757	0.07	
6.817	14577	12703	0.871	0.39	
6.843	9775	7890	0.807	0.26	
6.893	14734	12440	0.844	0.39	
6.930	48648	40725	0.837	1.30	
6.993	3170	2507	0.791	0.08	
7.023	7910	6720	0.850	0.21	
7.070	45012	40470	0.899	1.21	
7.118	8262	6176	0.748	0.22	
7.153	7005	4743	0.677	0.18	
7.250	1038	762	0.734	0.02	
7.293	4899	3989	0.814	0.13	
7.338	13745	12156	0.884	0.37	
7.405	19812	19246	0.971	0.53	
7.423	31660	29600	0.935	0.85	
7.448	62043	55864	0.900	1.67	
7.493	37955	23757	0.626	1.02	
7.562	128874	108003	0.838	3.46	28 Aroclor 1260
7.602	3284	3243	0.988	0.08	
7.658	25470	20162	0.792	0.68	
7.702	142392	136318	0.957	3.83	28 Aroclor 1260
7.753	1349	883	0.655	0.03	
7.820	139304	98965	0.710	3.75	
7.900	21946	13820	0.630	0.59	
7.958	196307	118770	0.605	5.28	
8.017	112469	102437	0.911	3.02	28 Aroclor 1260
8.055	62066	57869	0.932	1.67	
8.118	4714	4847	1.028	0.12	
8.140	24542	22367	0.911	0.66	
8.228	118210	98772	0.836	3.18	28 Aroclor 1260
8.282	58549	47792	0.816	1.57	
8.323	42319	33989	0.803	1.13	
8.343	28215	21585	0.765	0.75	
8.400	245799	207229	0.843	6.61	28 Aroclor 1260
8.453	7592	5803	0.764	0.20	
8.515	10757	9442	0.878	0.28	
8.567	1076	532	0.494	0.02	
8.638	5212	4573	0.877	0.14	
8.693	185725	100099	0.539	5.00	
8.722	85262	46948	0.551	2.29	
8.887	4230	3503	0.828	0.11	
8.945	3669	2955	0.805	0.09	
9.033	1655	2470	1.492	0.04	
9.058	35861	26270	0.733	0.96	28 Aroclor 1260
9.132	291	143	0.491	0.00	
9.190	77652	55720	0.718	2.09	28 Aroclor 1260
9.228	6206	4404	0.710	0.16	
9.530	24756	15926	0.643	0.66	
9.835	267729	161500	0.603	7.20	\$ 42 Decachlorobiphenyl
	3713965	2830812		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713121.d
Lab Smp Id: 1660-CCV Client Smp ID: 1660-CCV
Inj Date : 15-JUL-2020 03:35
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 1660-ccv,254171:1
Misc Info : 21329,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)	TARGET	RANGE	RATIO	REVIEW CODE
----	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.681	4.660	0.021	268192	0.05000	0.054			(M)	BA

7 Aroclor 1016					CAS #: 12674-11-2				
5.201	5.179	0.022	45593	0.50000	0.50	0.00-	20.00	100.00 (M)	CO
5.863	5.844	0.019	41161	0.50000	0.51	0.00-	20.00	90.28	CO
6.041	6.022	0.019	89996	0.50000	0.54	0.00-	20.00	197.39	CO
6.061	6.041	0.020	139736	0.50000	0.52	0.00-	20.00	306.49	CO
6.276	6.258	0.018	59118	0.50000	0.52	0.00-	20.00	129.66	CO
6.588	6.570	0.018	69396	0.50000	0.52	0.00-	20.00	152.21	CO
6.691	6.673	0.018	58426	0.50000	0.54	0.00-	20.00	128.15	CO
Average of Peak Amounts =					0.52143				

28 Aroclor 1260					CAS #: 11096-82-5				
7.561	7.548	0.013	128874	0.50000	0.52	0.00-	20.00	100.00 (M)	CO
7.701	7.688	0.013	142391	0.50000	0.53	0.00-	20.00	110.49	CO
8.016	8.002	0.014	112468	0.50000	0.50	0.00-	20.00	87.27	CO
8.228	8.214	0.014	118209	0.50000	0.50	0.00-	20.00	91.72	CO
8.400	8.384	0.016	245799	0.50000	0.52	0.00-	20.00	190.73	CO
9.058	9.040	0.018	35860	0.50000	0.47	0.00-	20.00	27.83	CO
9.190	9.171	0.019	77651	0.50000	0.51	0.00-	20.00	60.25	CO
Average of Peak Amounts =					0.50714				

\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.835	9.812	0.023	267729	0.05000	0.051				

QC Flag Legend

M - Compound response manually integrated.

QC Flag Legend

Review Codes Legend

- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Date : 15-JUL-2020 03:35

Client ID: 1660-CCV

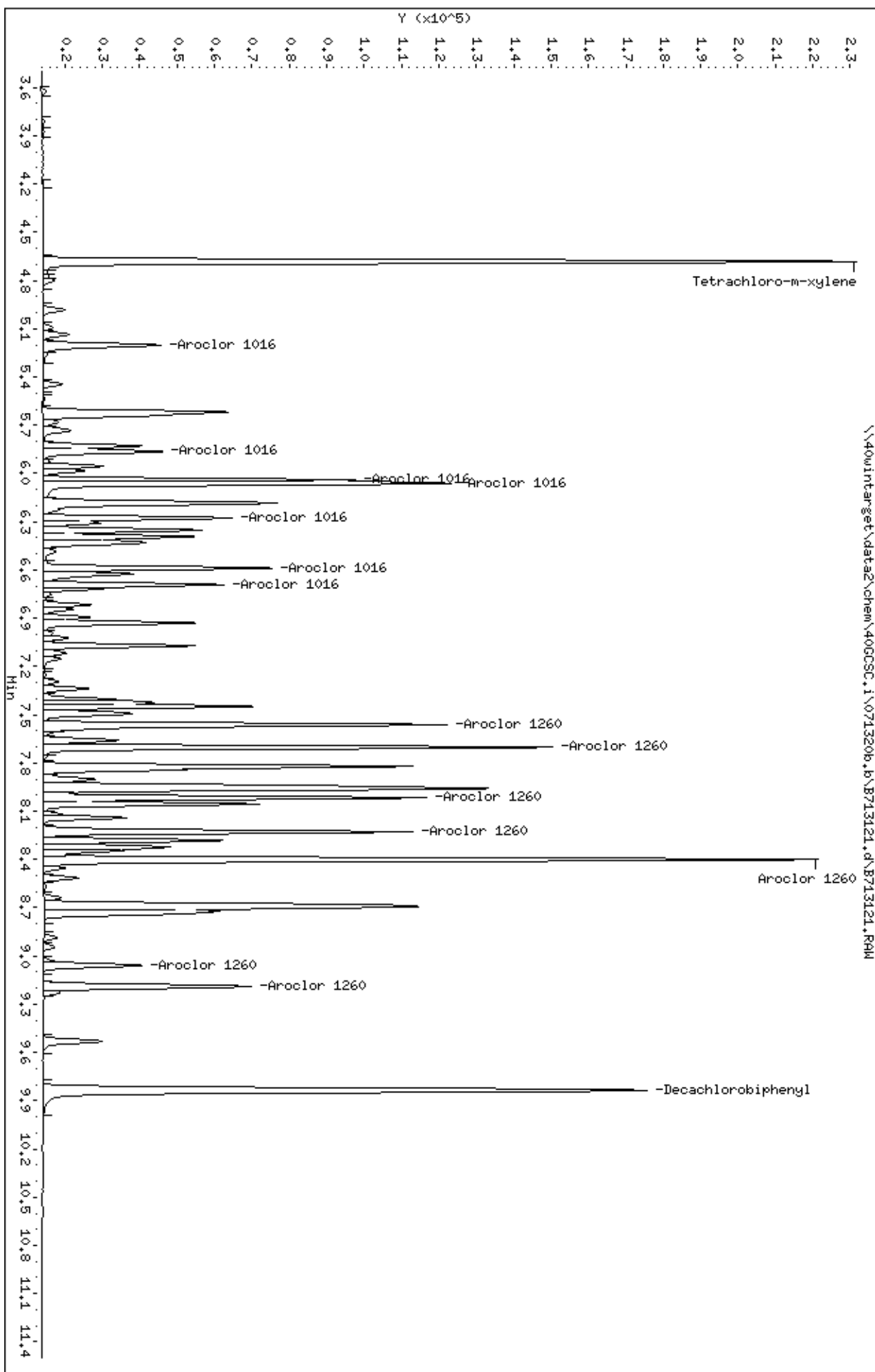
Sample Info: 1660-CCV,254171:1

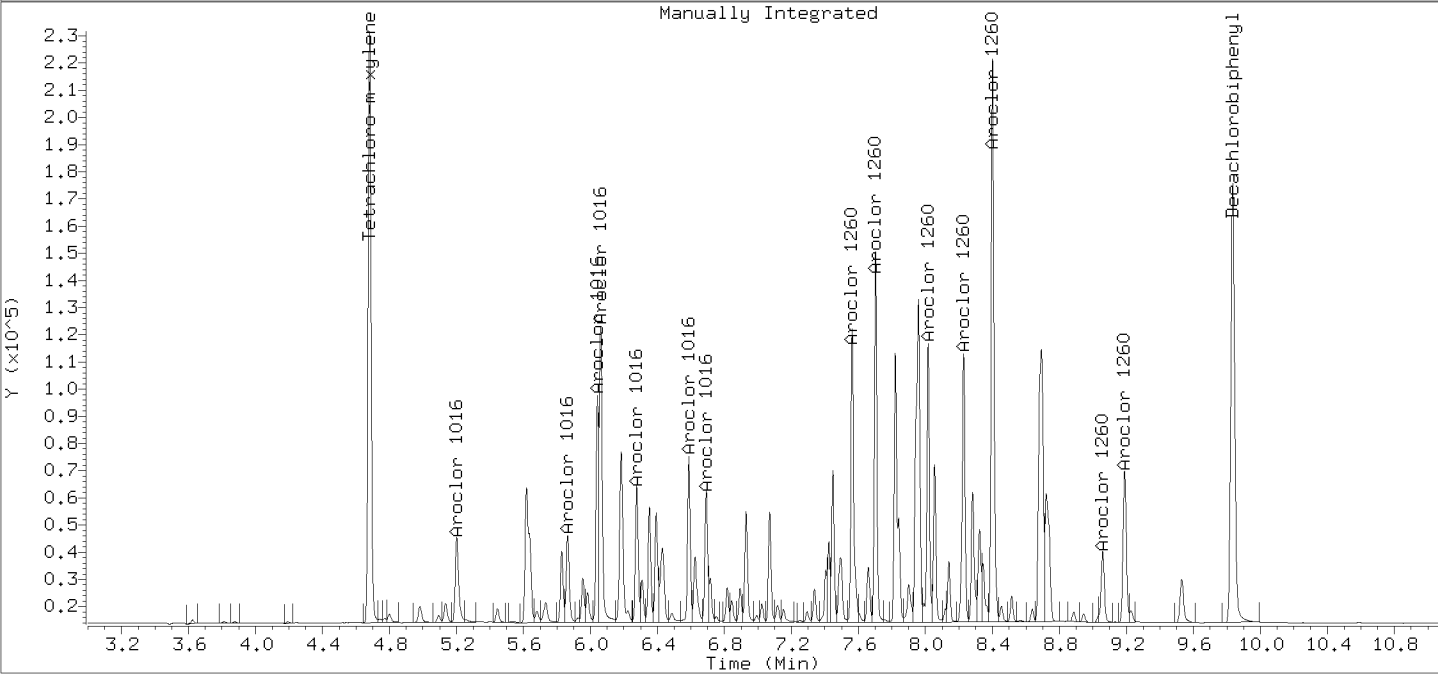
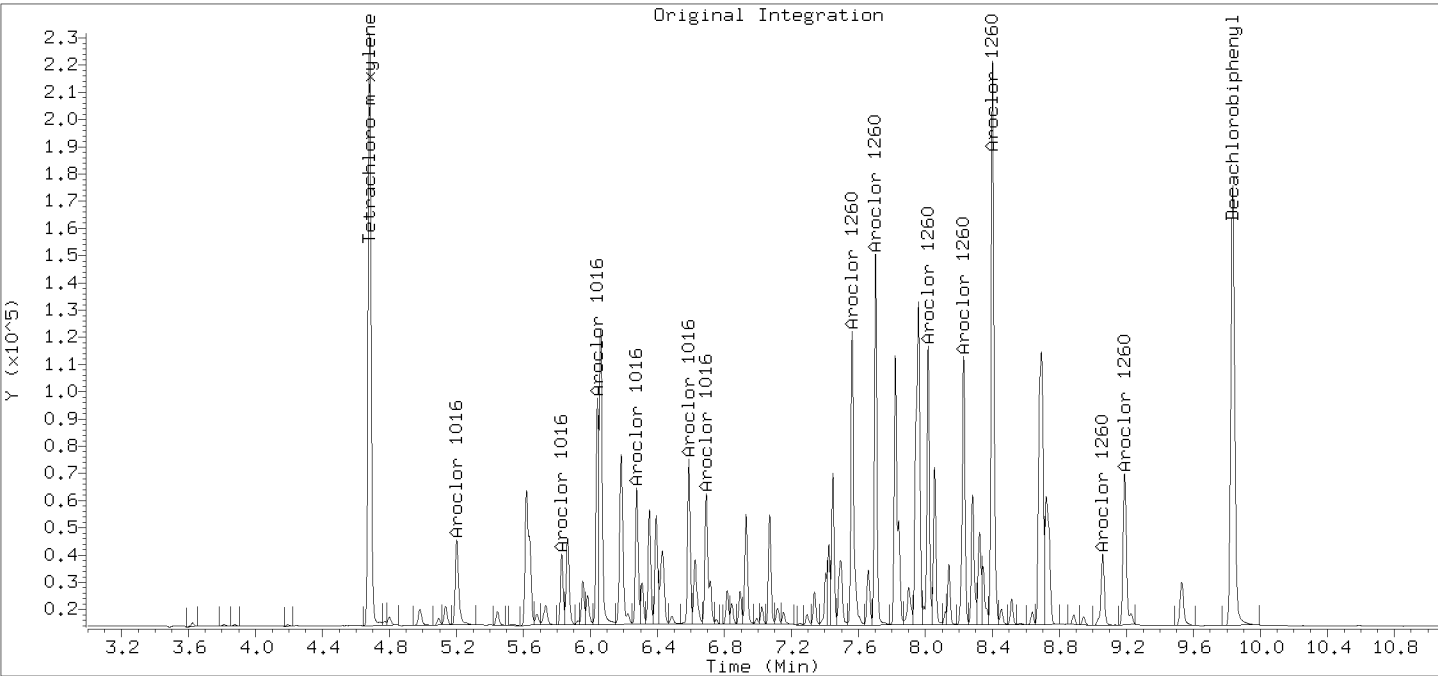
Instrument: 40GCSC.i

Operator: BLH

Column phase: Rtx-CLP II

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1016	46244	45593	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO
Aroclor 1260	131518	128874	CO

Tetrachloro-m-xylene	269580	268192	BA
Decachlorobiphenyl	267729	267729	
=====			

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Green Bay
Date Received: _____
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 19:49
Initial wt/vol: 20.0173 Final wt/vol: 10 mL Dilution: 1

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 2080285
Lab File ID: 071320A.BVA713100.D
Instrument: 40GCSC Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713100.d
Lab Smp Id: 2080285 Client Smp ID: MB
Inj Date : 14-JUL-2020 19:49
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080285
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.017	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.072	1369	1015	0.741	0.16		
3.178	1610	1651	1.025	0.19		
3.465	593	357	0.602	0.07		
3.553	1503	1026	0.682	0.18		
3.653	3705	3275	0.884	0.45		
3.807	836	310	0.371	0.10		
3.927	831	287	0.345	0.10		
4.043	1183	808	0.683	0.14		
4.128	8651	6724	0.777	1.06		
4.602	623	455	0.730	0.07		
4.682	1268	1026	0.809	0.15		
4.747	374617	262334	0.700	46.35	\$ 2 Tetrachloro-m-xylene	
5.068	3676	2057	0.560	0.45		
5.187	2080	782	0.376	0.25		
5.443	24620	17585	0.714	3.03		
6.028	1144	755	0.660	0.14		
6.127	1368	905	0.661	0.16		
6.312	881	442	0.502	0.10		
6.393	1426	332	0.233	0.17		
6.493	846	228	0.269	0.10		
6.583	3065	767	0.250	0.37		
6.672	1022	550	0.538	0.12		
7.042	855	421	0.492	0.10		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.175	513	414	0.807	0.06	
7.550	520	367	0.706	0.06	
7.687	657	233	0.354	0.08	
8.022	653	345	0.528	0.08	
8.497	1991	1439	0.723	0.24	
8.620	802	417	0.520	0.09	
8.687	610	198	0.325	0.07	
9.443	920	168	0.183	0.11	
9.565	354690	214828	0.606	43.70	\$ 42 Decachlorobiphenyl
9.678	293	739	2.524	0.03	
9.835	2105	757	0.360	0.25	
9.977	3413	1361	0.399	0.42	
10.112	2527	524	0.207	0.31	
10.298	681	145	0.213	0.08	
10.573	3388	1496	0.442	0.41	
	811534	527523		100.000	

Total unknown % area = 10

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713100.d
Lab Smp Id: 2080285 Client Smp ID: MB
Inj Date : 14-JUL-2020 19:49
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080285
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.017	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
----	-----	-----	-----	-----	-----	-----	-----	-----	
1 Aroclor 1221					CAS #: 11104-28-2				

Peaks not detected for Quant. or Qual. signal(s).

\$	2	Tetrachloro-m-xylene				CAS #: 877-09-8			
4.746	4.726	0.020	374617	0.06449	32	(R)			

3	Aroclor 1242				CAS #: 53469-21-9				

Peaks not detected for Quant. or Qual. signal(s).

4	Aroclor 1232				CAS #: 1114-16-5				

Peaks not detected for Quant. or Qual. signal(s).

		CONCENTRATIONS									
		ON-COL		FINAL							
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/ml)	(	)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====		=====	=====	=====	=====	=====	=====	=====	=====

7 Aroclor 1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

12 Aroclor 1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

16 Aroclor 1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

28 Aroclor 1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

\$ 42 Decachlorobiphenyl CAS #: 2051-24-3
9.565 9.546 0.019 354690 0.06134 31 (M) BA

QC Flag Legend

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

Review Codes Legend

:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713100.d
Date : 14-JUL-2020 19:49

Client ID: HB

Sample Info: 2080285

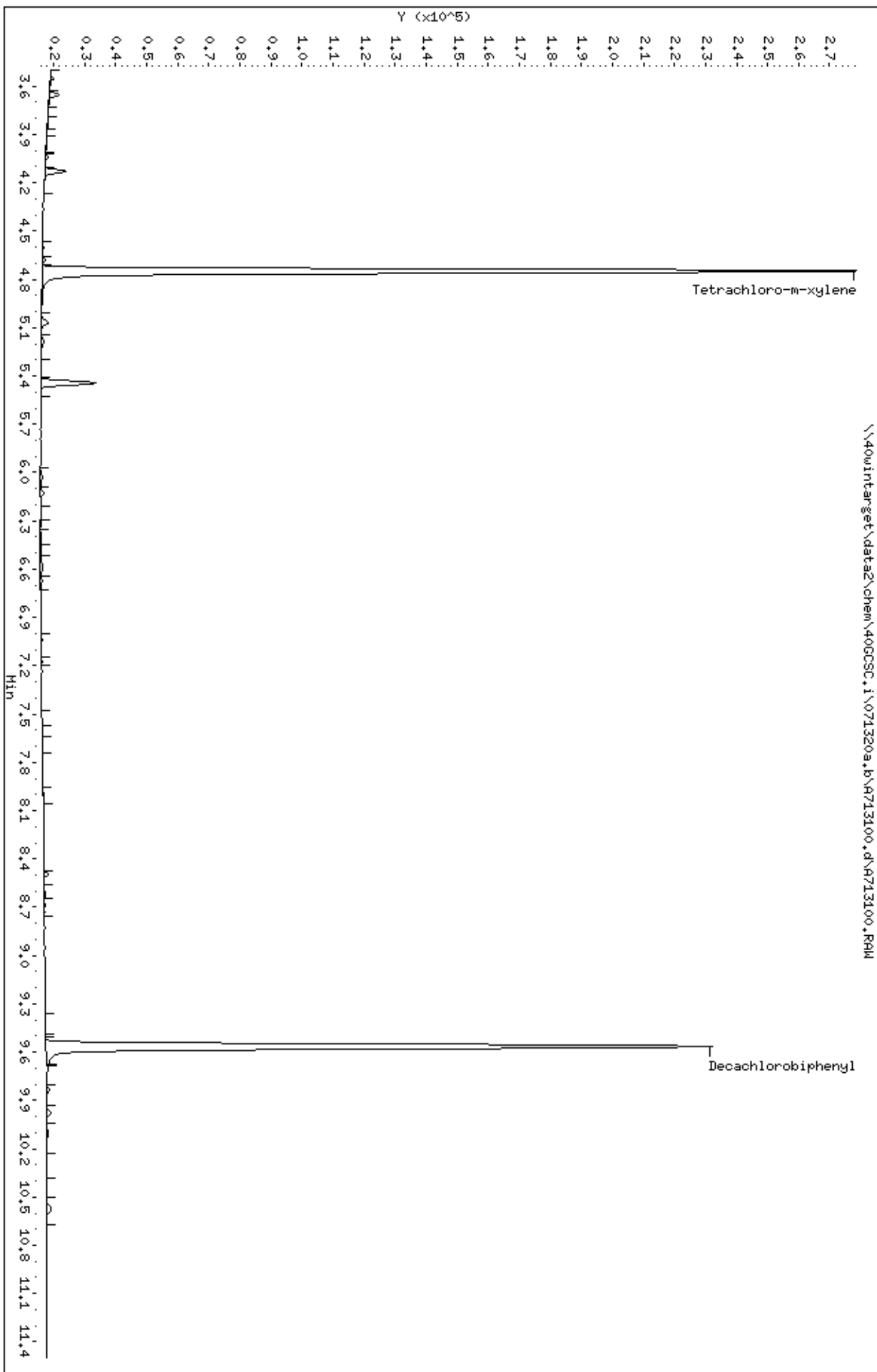
Volume Injected (uL): 1.0

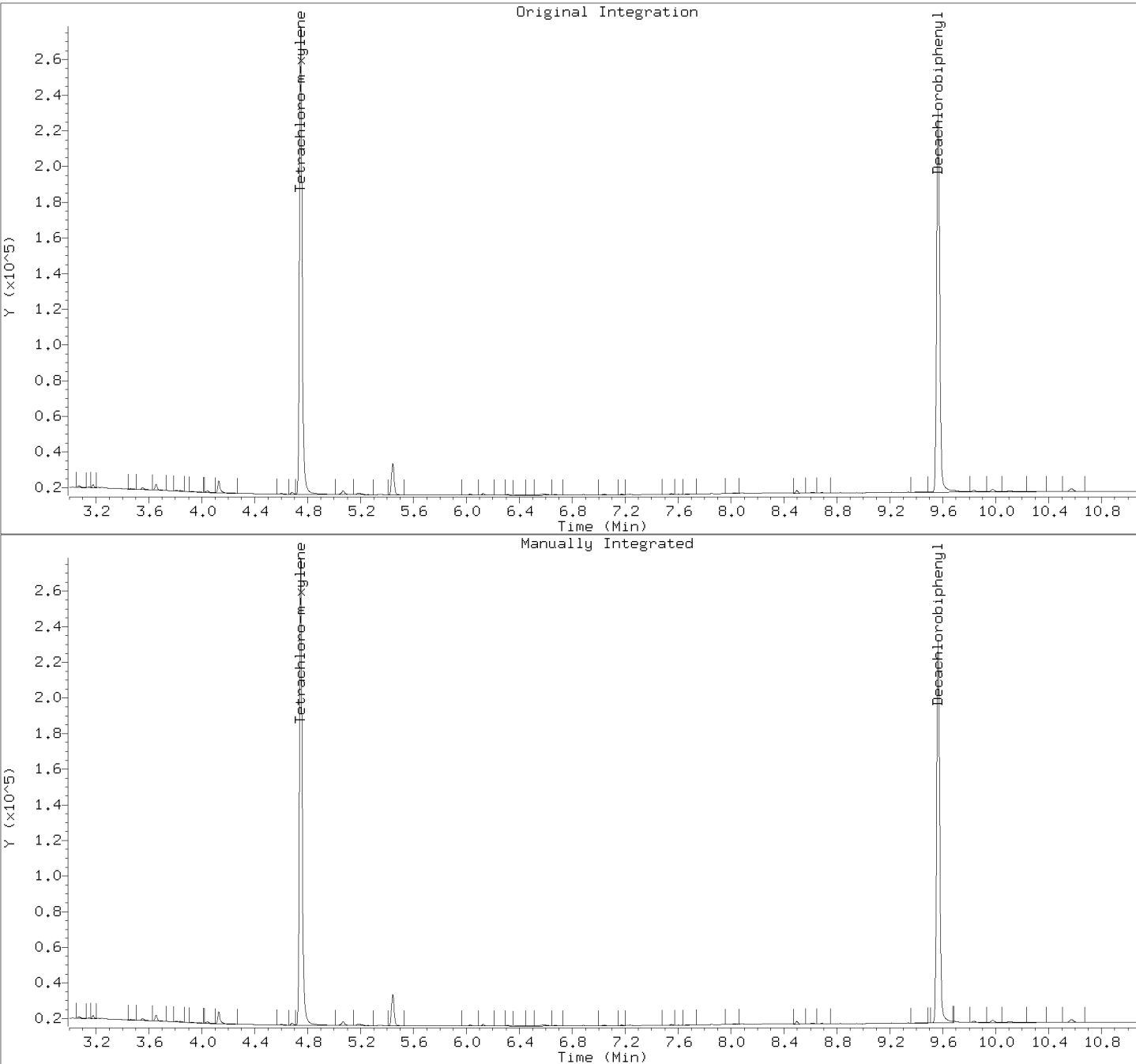
Column phase: Rtx-CLP

Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	

Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Tetrachloro-m-xylene	374617	374617	
Decachlorobiphenyl	360087	354690	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713100.d
Lab Smp Id: 2080285 Client Smp ID: MB
Inj Date : 14-JUL-2020 19:49
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080285
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.017	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.443	1236	1120	0.906	0.17		
3.573	3635	3558	0.979	0.50		
3.608	879	458	0.521	0.12		
3.977	7281	7431	1.021	1.00		
4.480	1512	794	0.525	0.20		
4.520	1491	951	0.638	0.20		
4.562	533	385	0.723	0.07		
4.682	340785	283915	0.833	47.40	\$ 2 Tetrachloro-m-xylene	
4.745	1721	1150	0.668	0.23		
4.940	18497	12697	0.686	2.56		
5.025	3214	2343	0.729	0.44		
5.093	807	436	0.540	0.11		
5.298	661	168	0.254	0.09		
5.418	559	126	0.225	0.07		
5.795	611	369	0.604	0.08		
5.925	1367	774	0.566	0.18		
5.957	1174	979	0.834	0.16		
6.060	2054	1373	0.669	0.28		
6.137	679	212	0.312	0.09		
6.348	785	463	0.589	0.10		
6.485	951	642	0.675	0.13		
7.098	1007	238	0.236	0.13		
7.310	455	444	0.977	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.022	473	283	0.599	0.06	
8.345	1089	742	0.682	0.15	
8.783	511	165	0.323	0.07	
9.567	2498	1547	0.619	0.34	
9.835	320113	199304	0.623	44.39	\$ 42 Decachlorobiphenyl
10.435	1673	909	0.543	0.23	
11.417	2836	1165	0.411	0.39	
	721085	525141		100.000	

Total unknown % area = 8.2

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713100.d
Lab Smp Id: 2080285 Client Smp ID: MB
Inj Date : 14-JUL-2020 19:49
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080285
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.017	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/ml)	()	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
1	Aroclor 1221			CAS #:	11104-28-2	

Peaks not detected for Quant. or Qual. signal(s).

\$	2	Tetrachloro-m-xylene		CAS #:	877-09-8	
4.681	4.660	0.021	340784 0.06863	34		(R)
3	Aroclor 1242			CAS #:	53469-21-9	

Peaks not detected for Quant. or Qual. signal(s).

4	Aroclor 1232			CAS #:	1114-16-5	

Peaks not detected for Quant. or Qual. signal(s).

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	

7 Aroclor 1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

12 Aroclor 1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

16 Aroclor 1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

28 Aroclor 1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

\$ 42 Decachlorobiphenyl CAS #: 2051-24-3
9.835 9.812 0.023 320113 0.06069 30 (R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713100.d
Date : 14-JUL-2020 19:49

Client ID: HB

Sample Info: 2080285

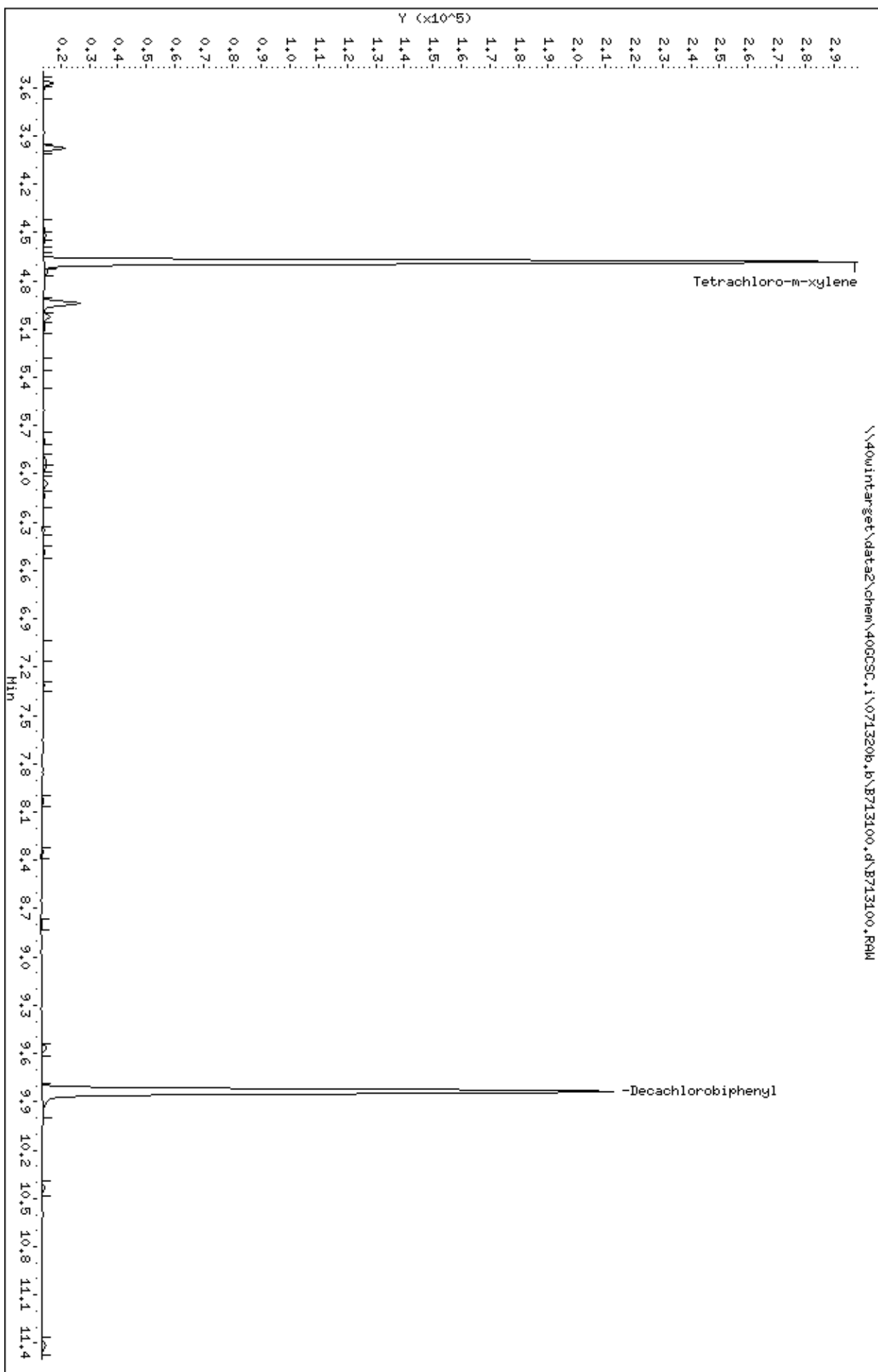
Volume Injected (uL): 1.0

Column phase: Rtx-CLP II

Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32



Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713100.d (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-JUL-2020 19:49 Operator: BLM
Instrument: 40GCSC.i
Lab Sample ID: 2080285

NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
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Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1254	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Tetrachloro-m-xylene	340784	340784	
Decachlorobiphenyl	320113	320113	
=====			

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: _____

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 2080286

Date Analyzed: 07/14/2020 20:11

Lab File ID: 071320A.BVA713101.D

Initial wt/vol: 20.0014 Final wt/vol: 10 mL Dilution: 1

Instrument: 40GCSC Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	196	
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713101.d
Lab Smp Id: 2080286 Client Smp ID: MBLCS
Inj Date : 14-JUL-2020 20:11
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080286
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.001	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	3437	2671	0.777	0.13		
3.177	4139	4086	0.987	0.15		
3.217	1977	1127	0.570	0.07		
3.552	3493	2488	0.712	0.13		
3.653	16124	14242	0.883	0.62		
3.805	1913	1227	0.641	0.07		
3.927	1101	1057	0.960	0.04		
4.127	35676	30395	0.852	1.37		
4.233	638	112	0.176	0.02		
4.360	620	279	0.450	0.02		
4.600	3595	2768	0.770	0.13		
4.682	1536	1246	0.811	0.05		
4.747	462414	336833	0.728	18.30	\$ 2 Tetrachloro-m-xylene	
5.067	4602	2591	0.563	0.17		
5.182	3952	1273	0.322	0.15		
5.442	24260	17611	0.726	0.93		
5.532	1296	484	0.374	0.05		
5.927	891	658	0.738	0.03		
5.982	1222	1027	0.840	0.04		
6.003	828	893	1.079	0.03		
6.028	4220	2652	0.628	0.16		
6.127	4611	3191	0.692	0.17		
6.292	58109	33298	0.573	2.24		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.497	27373	20058	0.733	1.05	
6.572	10917	8106	0.743	0.42	
6.605	3710	2493	0.672	0.14	
6.700	1776	1463	0.824	0.06	
6.782	10757	8492	0.789	0.41	
6.817	77623	63928	0.824	2.99	
6.852	70991	34232	0.482	2.74	
6.980	21514	18855	0.876	0.83	
7.018	132145	100251	0.759	5.10	
7.053	49030	38049	0.776	1.89	
7.122	2957	2346	0.793	0.11	
7.170	8010	7140	0.891	0.30	
7.208	44882	35622	0.794	1.73	16 Aroclor 1254
7.242	83870	71765	0.856	3.24	16 Aroclor 1254
7.277	26980	22216	0.823	1.04	
7.335	138427	120703	0.872	5.34	16 Aroclor 1254
7.362	15129	14933	0.987	0.58	
7.412	19739	13369	0.677	0.76	
7.430	22678	16908	0.746	0.87	
7.467	68095	45059	0.662	2.63	
7.538	110183	87176	0.791	4.25	16 Aroclor 1254
7.583	12276	8772	0.715	0.47	
7.622	14447	12258	0.848	0.55	
7.662	105126	55765	0.530	4.06	
7.720	154	804	5.224	0.00	
7.747	85960	52644	0.612	3.32	16 Aroclor 1254
7.797	13954	11778	0.844	0.53	
7.832	11461	9765	0.852	0.44	
7.872	147733	106897	0.724	5.70	16 Aroclor 1254
7.935	19347	12958	0.670	0.74	
7.977	6328	4973	0.786	0.24	
8.047	2479	1480	0.597	0.09	
8.078	42013	30050	0.715	1.62	16 Aroclor 1254
8.122	8616	7324	0.850	0.33	
8.153	5158	4314	0.836	0.19	
8.188	4747	3830	0.807	0.18	
8.253	25009	19394	0.775	0.96	
8.300	8082	5494	0.680	0.31	
8.340	19312	14891	0.771	0.74	
8.398	926	729	0.788	0.03	
8.433	370	211	0.570	0.01	
8.495	291	164	0.563	0.01	
8.567	17549	13737	0.783	0.67	
8.618	2292	1304	0.569	0.08	
8.687	594	290	0.488	0.02	
8.773	284	208	0.732	0.01	
8.830	1292	871	0.674	0.04	
8.863	577	390	0.676	0.02	
9.085	1216	621	0.511	0.04	
9.153	650	263	0.405	0.02	
9.233	592	118	0.199	0.02	
9.360	706	306	0.433	0.02	
9.445	128	67	0.522	0.00	
9.490	265	118	0.446	0.01	
9.563	429807	256203	0.596	16.60	\$ 42 Decachlorobiphenyl
9.837	1790	826	0.461	0.06	
9.977	2899	1437	0.496	0.11	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
10.112	1383	460	0.333	0.05	
10.572	4389	1717	0.391	0.16	
	2587643	1838804		100.000	

Total unknown % area = 40

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713101.d
Lab Smp Id: 2080286 Client Smp ID: MBLCS
Inj Date : 14-JUL-2020 20:11
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080286
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.001	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/ml)	()	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====
1	Aroclor 1221			CAS #:	11104-28-2	

Peaks not detected for Quant. or Qual. signal(s).

\$	2	Tetrachloro-m-xylene		CAS #:	877-09-8
4.746	4.726	0.020	462413 0.07960	40	
3	Aroclor 1242			CAS #:	53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

4	Aroclor 1232			CAS #:	1114-16-5

Peaks not detected for Quant. or Qual. signal(s).

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	

7 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

12 Aroclor 1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

		16 Aroclor 1254		CAS #: 11097-69-1					
7.208	7.193	0.015	44882	0.39836	200	0.00-	20.00	100.00 (M)	CO
7.241	7.227	0.014	83869	0.38939	190	0.00-	20.00	186.87	CO
7.335	7.320	0.015	138426	0.37918	190	0.00-	20.00	308.42	CO
7.538	7.524	0.014	110183	0.39182	200	0.00-	20.00	245.49	CO
7.746	7.733	0.013	85960	0.38753	190	0.00-	20.00	191.52	CO
7.871	7.858	0.013	147733	0.39808	200	0.00-	20.00	329.16	CO
8.078	8.066	0.012	42012	0.39658	200	0.00-	20.00	93.61	CO
Average of Peak Concentrations =					200				

28 Aroclor 1260 CAS #: 11096-82-5

Operator disabled compound identification.

		\$ 42 Decachlorobiphenyl		CAS #: 2051-24-3					
9.563	9.546	0.017	429807	0.07432	37			(M)	BA

QC Flag Legend

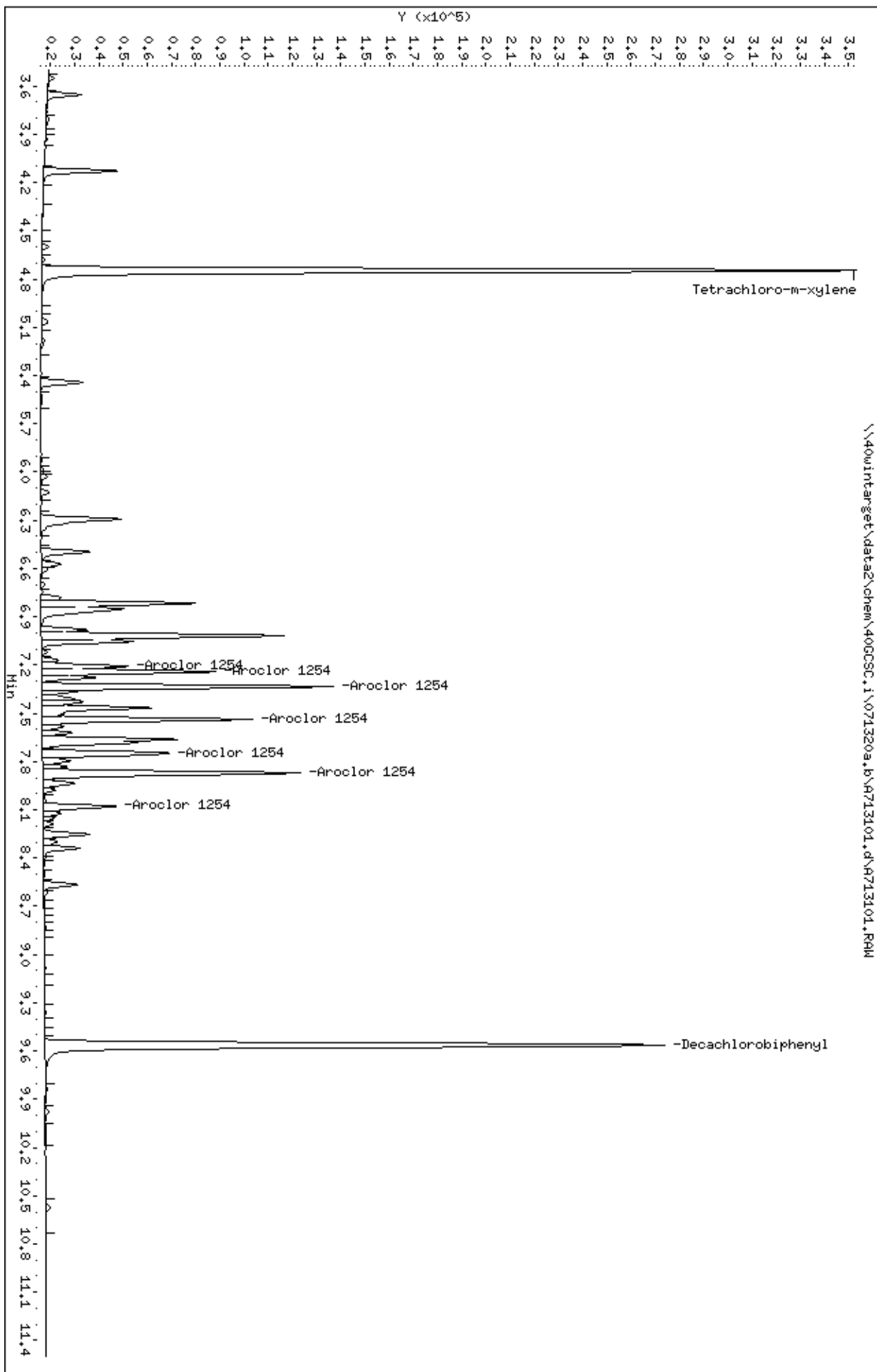
M - Compound response manually integrated.

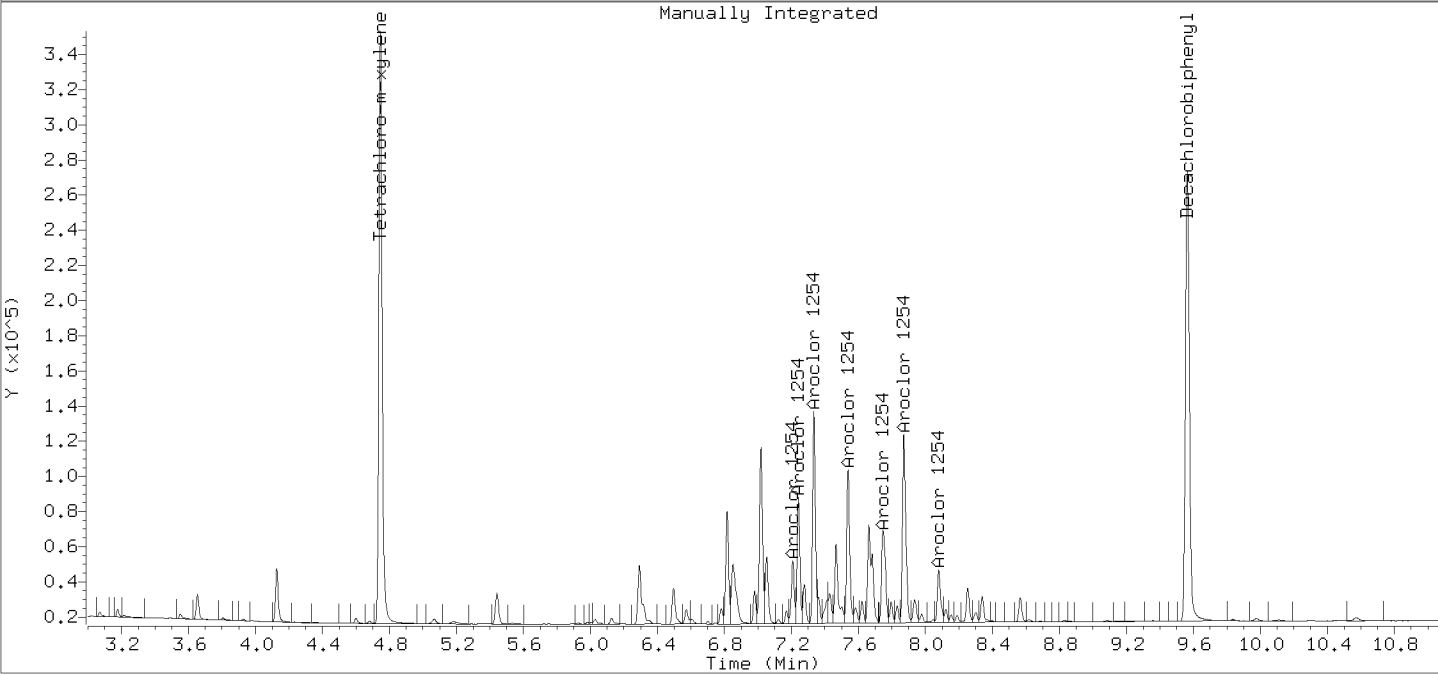
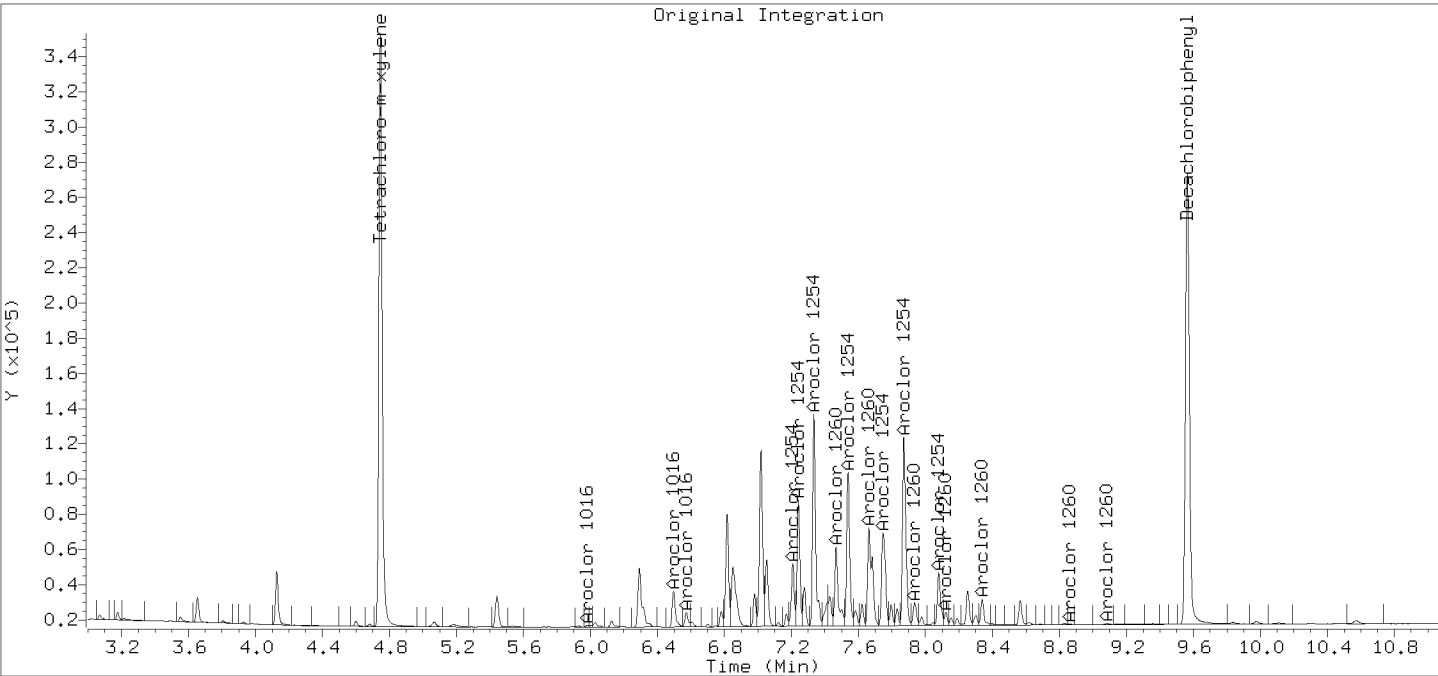
Review Codes Legend

- :
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713101.d
Date : 14-JUL-2020 20:11
Client ID: HBLCS
Sample Info: 2080286
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1016	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	

Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1232	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1242	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1248	0	0	
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1254	43712	44882	CO
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Aroclor 1260	67022	0	
Tetrachloro-m-xylene	462413	462413	
Decachlorobiphenyl	432929	429807	BA
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713101.d
Lab Smp Id: 2080286 Client Smp ID: MBLCS
Inj Date : 14-JUL-2020 20:11
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080286
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.001	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.377	456	178	0.390	0.01		
3.443	3144	2955	0.940	0.13		
3.518	785	324	0.413	0.03		
3.573	16771	14548	0.867	0.73		
3.652	861	623	0.723	0.03		
3.688	1666	1174	0.705	0.07		
3.875	499	356	0.714	0.02		
3.977	32718	32615	0.997	1.42		
4.115	841	273	0.325	0.03		
4.480	4532	3391	0.748	0.19		
4.518	2211	1422	0.643	0.09		
4.560	899	584	0.649	0.03		
4.682	420934	352371	0.837	18.66	\$ 2 Tetrachloro-m-xylene	
4.743	3319	1718	0.518	0.14		
4.940	18610	12508	0.672	0.81		
5.025	4051	2863	0.707	0.17		
5.095	737	518	0.703	0.03		
5.205	481	354	0.736	0.02		
5.617	1980	750	0.379	0.08		
5.793	834	767	0.920	0.03		
5.923	1410	922	0.654	0.06		
5.955	3723	3058	0.821	0.16		
6.062	6610	4352	0.658	0.28		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.178	1634	1096	0.671	0.07	
6.278	1390	532	0.383	0.06	
6.352	38381	33937	0.884	1.67	
6.393	14276	9836	0.689	0.62	
6.488	2527	1799	0.712	0.11	
6.588	22864	20623	0.902	0.99	
6.625	1860	1747	0.939	0.08	
6.692	11991	9217	0.769	0.52	
6.817	2365	2273	0.961	0.10	
6.845	11126	9396	0.844	0.48	
6.893	38154	34191	0.896	1.66	
6.930	77853	68494	0.880	3.39	
6.993	12821	11720	0.914	0.55	
7.023	19988	18209	0.911	0.87	
7.070	88207	80987	0.918	3.84	
7.120	45125	40226	0.891	1.96	
7.153	33617	26776	0.796	1.46	
7.248	7211	6544	0.907	0.31	
7.293	38238	31590	0.826	1.66	16 Aroclor 1254
7.337	72019	64784	0.900	3.13	16 Aroclor 1254
7.383	22094	21177	0.959	0.96	
7.423	145266	119757	0.824	6.33	16 Aroclor 1254
7.498	22140	12050	0.544	0.96	
7.562	66624	51744	0.777	2.90	16 Aroclor 1254
7.582	101109	88802	0.878	4.40	
7.660	19425	14233	0.733	0.84	
7.703	64421	54227	0.842	2.80	
7.822	105979	53641	0.506	4.61	16 Aroclor 1254
7.883	12668	11109	0.877	0.55	
7.915	9521	9144	0.960	0.41	
7.960	126962	91818	0.723	5.53	16 Aroclor 1254
8.035	21635	9806	0.453	0.94	
8.118	8072	5709	0.707	0.35	
8.215	34216	26572	0.777	1.49	16 Aroclor 1254
8.282	4047	3568	0.882	0.17	
8.327	24934	19947	0.800	1.08	
8.400	19287	13575	0.704	0.84	
8.457	842	619	0.735	0.03	
8.697	15030	9818	0.653	0.65	
8.782	795	306	0.385	0.03	
8.883	1979	1221	0.617	0.08	
8.930	600	284	0.473	0.02	
9.192	624	468	0.750	0.02	
9.565	2101	1202	0.572	0.09	
9.837	388919	232774	0.599	16.95	\$ 42 Decachlorobiphenyl
10.437	1997	1055	0.528	0.08	
11.418	3399	1351	0.397	0.14	
	2294405	1768578		100.000	

Total unknown % area = 39

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713101.d
Lab Smp Id: 2080286 Client Smp ID: MBLCS
Inj Date : 14-JUL-2020 20:11
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080286
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	20.001	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				
Operator disabled compound identification.									

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.681	4.660	0.021	420933	0.08477	42				

3 Aroclor 1242					CAS #: 53469-21-9				
Operator disabled compound identification.									

4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

		CONCENTRATIONS									
		ON-COL		FINAL							
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/ml)	(	)	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====		=====	=====	=====		=====		=====	=====

7 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

12 Aroclor 1248 CAS #: 12672-29-6

Operator disabled compound identification.

16 Aroclor 1254					CAS #: 11097-69-1			
7.293	7.278	0.015	38237	0.39858	200	0.00-	20.00	100.00
7.336	7.322	0.014	72019	0.38702	190	0.00-	20.00	188.35
7.423	7.409	0.014	145265	0.38245	190	0.00-	20.00	379.91
7.561	7.568	-0.007	66624	0.25243	130	0.00-	20.00	174.24
7.821	7.822	-0.001	105978	0.64550	320	0.00-	20.00	277.16
7.960	7.947	0.013	126962	0.38536	190	0.00-	20.00	332.04
8.215	8.200	0.015	34215	0.36546	180	0.00-	20.00	89.48
Average of Peak Concentrations =					200			

28 Aroclor 1260 CAS #: 11096-82-5

Operator disabled compound identification.

		\$ 42 Decachlorobiphenyl				CAS #: 2051-24-3	
9.836	9.812	0.024	388919	0.07374	37		

Review Codes Legend

:

Date : 14-JUL-2020 20:11

Client ID: HBLCS

Sample Info: 2080286

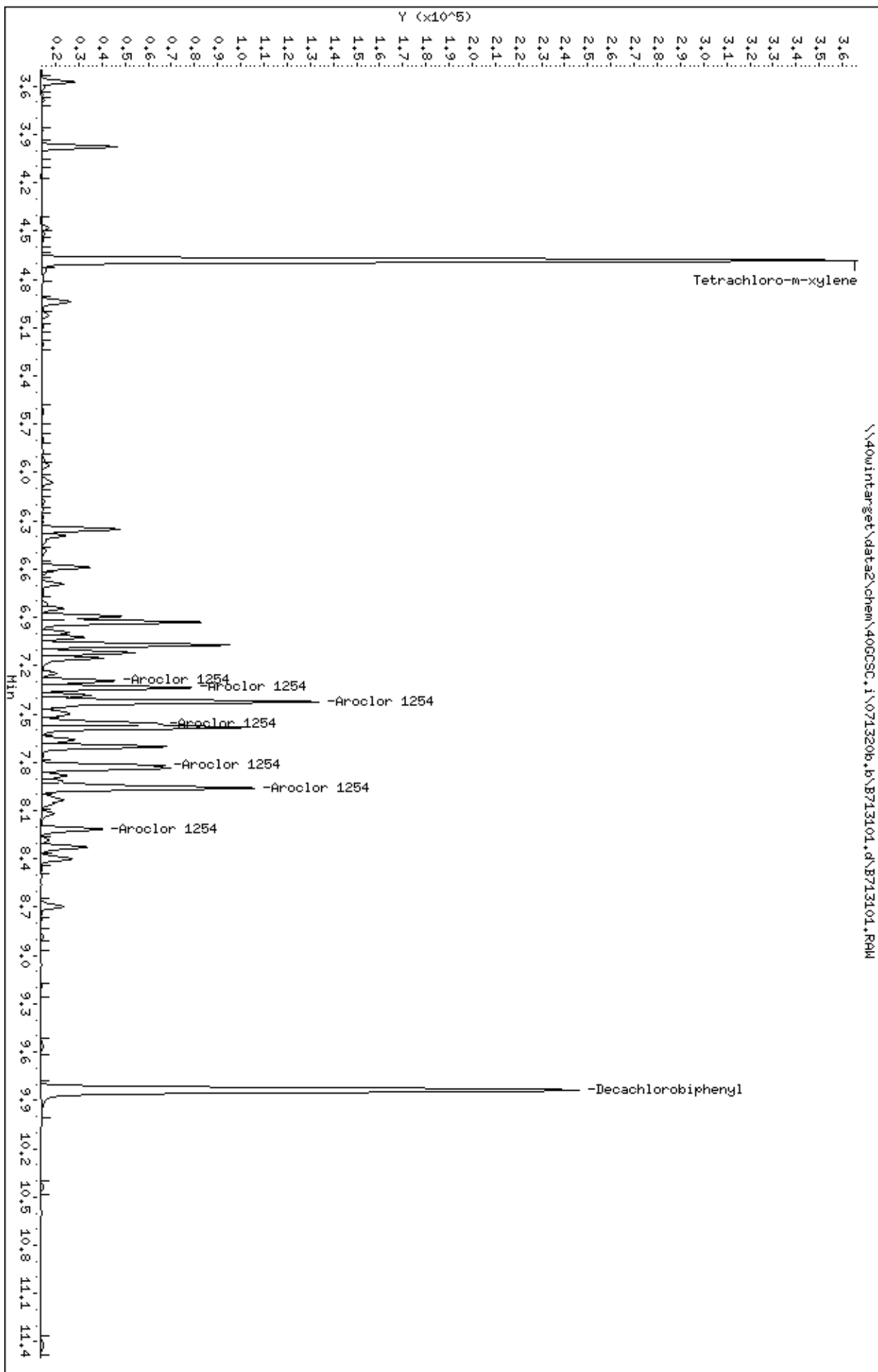
Volume Injected (uL): 1.0

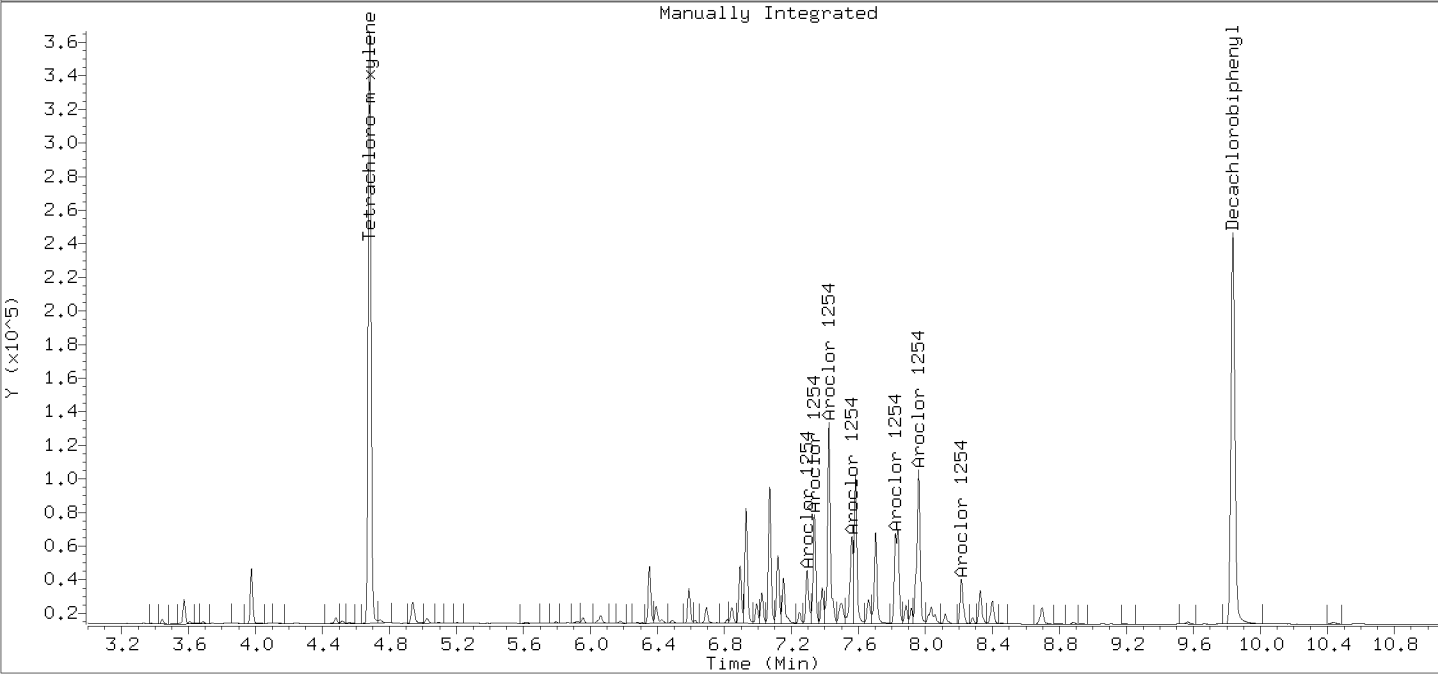
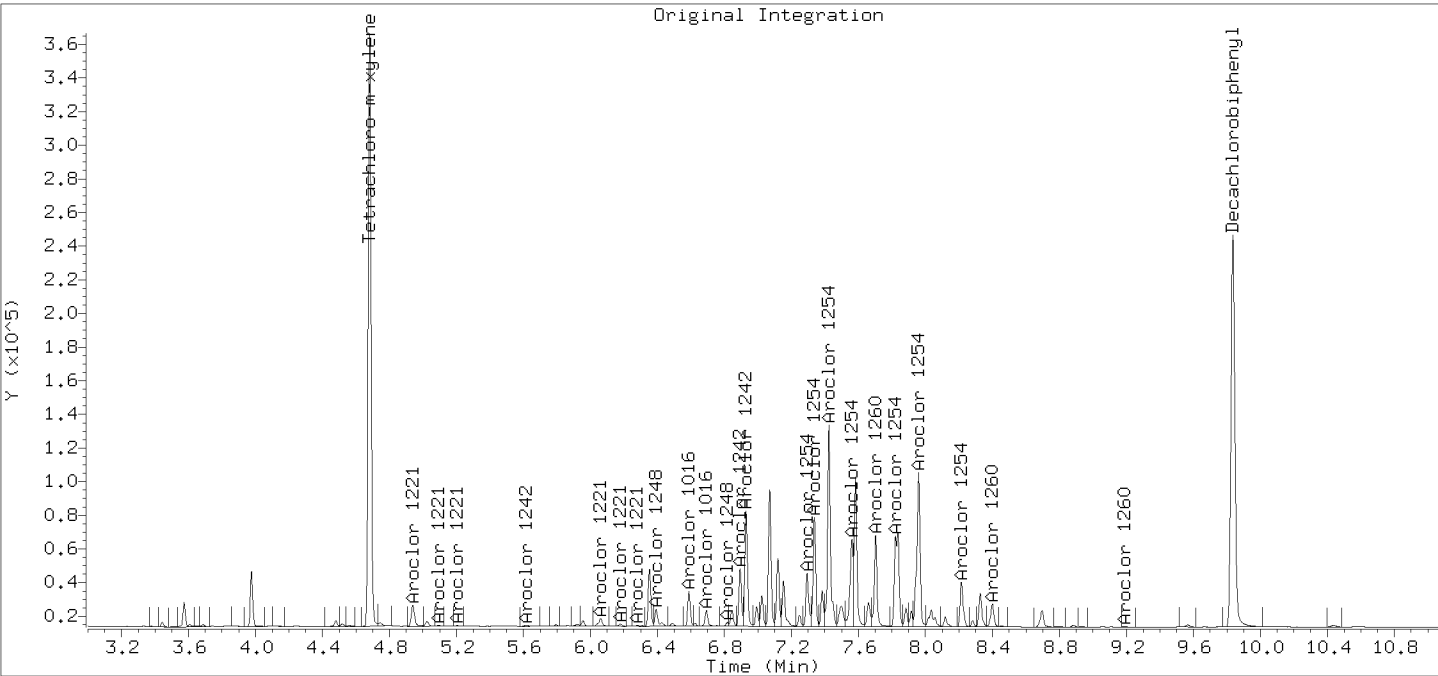
Column phase: Rtx-CLP II

Instrument: 40GCSC.i

Operator: BLH

Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
=====			
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1016	481	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	
Aroclor 1221	18609	0	

Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1232	18609	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1242	481	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1248	0	0
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1254	38237	38237
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Aroclor 1260	66624	0
Tetrachloro-m-xylene	420933	420933
Decachlorobiphenyl	388919	388919
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

MS

Lab Name: Pace Analytical - Green Bay

Contract: PAS BIOTA SAMPLING

Date Received: 06/18/2020 09:20

Matrix: Tissue SDG No.: 40209774

Date Extracted: 07/09/2020 13:44

Lab Sample ID: 2080287

Date Analyzed: 07/14/2020 20:33

Lab File ID: 071320A.BVA713102.D

Initial wt/vol: 11.6647 Final wt/vol: 10 mL Dilution: 4

Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	185	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	1400	
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/15/2020 1:41

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713102.d
Lab Smp Id: 2080287 Client Smp ID: PAS-BS-147MS
Inj Date : 14-JUL-2020 20:33
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080287 x4
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: MS
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.665	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	1461	1185	0.811	0.07		
3.177	2292	2355	1.028	0.11		
3.215	1673	1437	0.859	0.08		
3.550	1727	1172	0.679	0.08		
3.653	5488	4682	0.853	0.26		
3.803	753	430	0.571	0.03		
3.927	570	522	0.915	0.02		
4.127	18272	13564	0.742	0.87		
4.382	1215	542	0.446	0.05		
4.600	522	356	0.682	0.02		
4.668	2557	1835	0.718	0.12		
4.702	5825	4084	0.701	0.28		
4.745	111660	77308	0.692	5.36	\$ 2 Tetrachloro-m-xylene	
4.930	628	395	0.628	0.03		
5.067	740	506	0.684	0.03		
5.098	2799	1800	0.643	0.13		
5.147	6967	3894	0.559	0.33	3 Aroclor 1242	CO
5.193	1686	899	0.533	0.08		
5.290	4751	3287	0.692	0.22		
5.365	7551	5094	0.675	0.36		
5.442	8980	5861	0.653	0.43		
5.545	7789	3329	0.427	0.37		
5.658	5885	3637	0.618	0.28		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.723	7458	4185	0.561	0.35	
5.933	7387	3723	0.504	0.35	
5.980	5845	4921	0.842	0.28	3 Aroclor 1242
6.003	11591	7533	0.650	0.55	3 Aroclor 1242
6.023	5002	2831	0.566	0.24	
6.127	5410	2628	0.486	0.26	
6.190	3279	2089	0.637	0.15	3 Aroclor 1242
6.290	68683	38396	0.559	3.30	
6.347	11253	7807	0.694	0.54	
6.495	37194	25625	0.689	1.78	
6.570	14413	11269	0.782	0.69	
6.605	7170	4172	0.582	0.34	
6.698	3044	2584	0.849	0.14	
6.743	1269	1183	0.932	0.06	
6.780	12736	10347	0.812	0.61	
6.815	77104	64356	0.835	3.70	3 Aroclor 1242
6.850	81228	37823	0.466	3.90	3 Aroclor 1242
6.978	22956	19948	0.869	1.10	
7.017	136680	104180	0.762	6.57	
7.052	53311	41971	0.787	2.56	
7.120	3452	2772	0.803	0.16	
7.168	8161	7068	0.866	0.39	
7.207	48422	37924	0.783	2.32	16 Aroclor 1254
7.238	123997	98613	0.795	5.96	16 Aroclor 1254
7.277	30541	25630	0.839	1.46	
7.333	143671	125544	0.874	6.90	16 Aroclor 1254
7.362	16954	16154	0.953	0.81	
7.420	22821	13959	0.612	1.09	
7.465	72288	48044	0.665	3.47	
7.537	115419	92120	0.798	5.54	16 Aroclor 1254
7.582	12112	8784	0.725	0.58	
7.620	16113	13833	0.858	0.77	
7.662	117897	65155	0.553	5.66	
7.745	89359	56282	0.630	4.29	16 Aroclor 1254
7.795	13206	11762	0.891	0.63	
7.830	11414	10236	0.897	0.54	
7.870	156565	113601	0.726	7.87	16 Aroclor 1254
7.938	25191	16800	0.667	1.21	
7.975	9474	6814	0.719	0.45	
8.045	1579	1443	0.914	0.07	
8.078	41444	31434	0.758	1.99	16 Aroclor 1254
8.120	10619	8974	0.845	0.51	
8.152	6686	5899	0.882	0.32	
8.188	4490	4012	0.893	0.21	
8.252	22533	18734	0.831	1.08	
8.295	10701	6309	0.590	0.51	
8.338	25178	20887	0.830	1.21	
8.400	3296	2323	0.705	0.15	
8.495	928	487	0.525	0.04	
8.565	21344	16130	0.756	1.02	
8.617	1753	1396	0.796	0.08	
8.830	606	578	0.954	0.02	
8.865	850	763	0.898	0.04	
8.907	1063	766	0.721	0.05	
9.082	2268	1668	0.735	0.10	
9.362	819	539	0.658	0.03	
9.563	110067	67279	0.611	5.29	\$ 42 Decachlorobiphenyl

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.975	710	350	0.493	0.03	
10.572	1510	480	0.318	0.07	
	2080306	1497291		100.000	

Total unknown % area = 46

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713102.d
Lab Smp Id: 2080287 Client Smp ID: PAS-BS-147MS
Inj Date : 14-JUL-2020 20:33
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080287 x4
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: MS
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.665	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
4.745	4.726	0.019	111660	0.01922	66				
3 Aroclor 1242					CAS #: 53469-21-9				
5.146	5.123	0.023	6967	0.08942	310	0.00-	20.00	100.00 (M)	CO
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
5.980	5.960	0.020	5845	0.04433	150	0.00-	20.00	83.90	CO
6.003	5.982	0.021	11591	0.05037	170	0.00-	20.00	166.37	CO
6.190	6.169	0.021	3279	0.03144	110	0.00-	20.00	47.06	CO
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
Average of Peak Concentrations =					180				

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE
====	=====	=====		=====	=====	=====	=====	=====	=====

4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

7 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

12 Aroclor 1248 CAS #: 12672-29-6

Operator disabled compound identification.

		16 Aroclor 1254				CAS #: 11097-69-1			
7.206	7.193	0.013	48421	0.42977	1500	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	143671	0.39355	1300	0.00-	20.00	296.71	CO
7.536	7.524	0.012	115419	0.41044	1400	0.00-	20.00	238.37	CO
7.745	7.733	0.012	89358	0.40285	1400	0.00-	20.00	184.54	CO
7.870	7.858	0.012	156565	0.42187	1400	0.00-	20.00	323.34	CO
8.078	8.066	0.012	41443	0.39121	1300	0.00-	20.00	85.59	CO
Average of Peak Concentrations =					1400				

28 Aroclor 1260 CAS #: 11096-82-5

Operator disabled compound identification.

		\$ 42 Decachlorobiphenyl				CAS #: 2051-24-3	
9.563	9.546	0.017	110066	0.01903	65		

QC Flag Legend

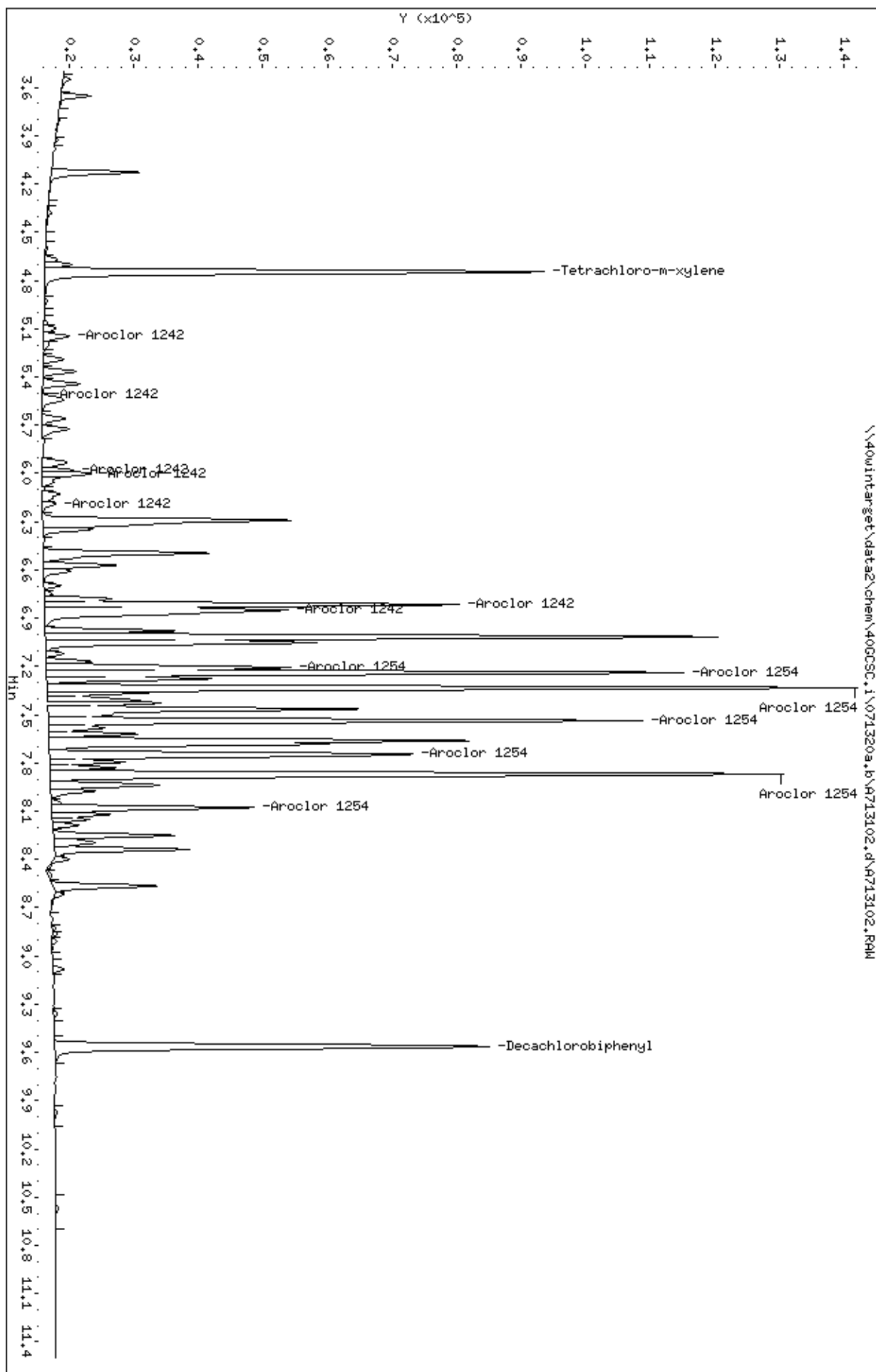
M - Compound response manually integrated.

Review Codes Legend

:
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713102.d
Date : 14-JUL-2020 20:33
Client ID: PAS-B8-147MS
Sample Info: 2080287 x4
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

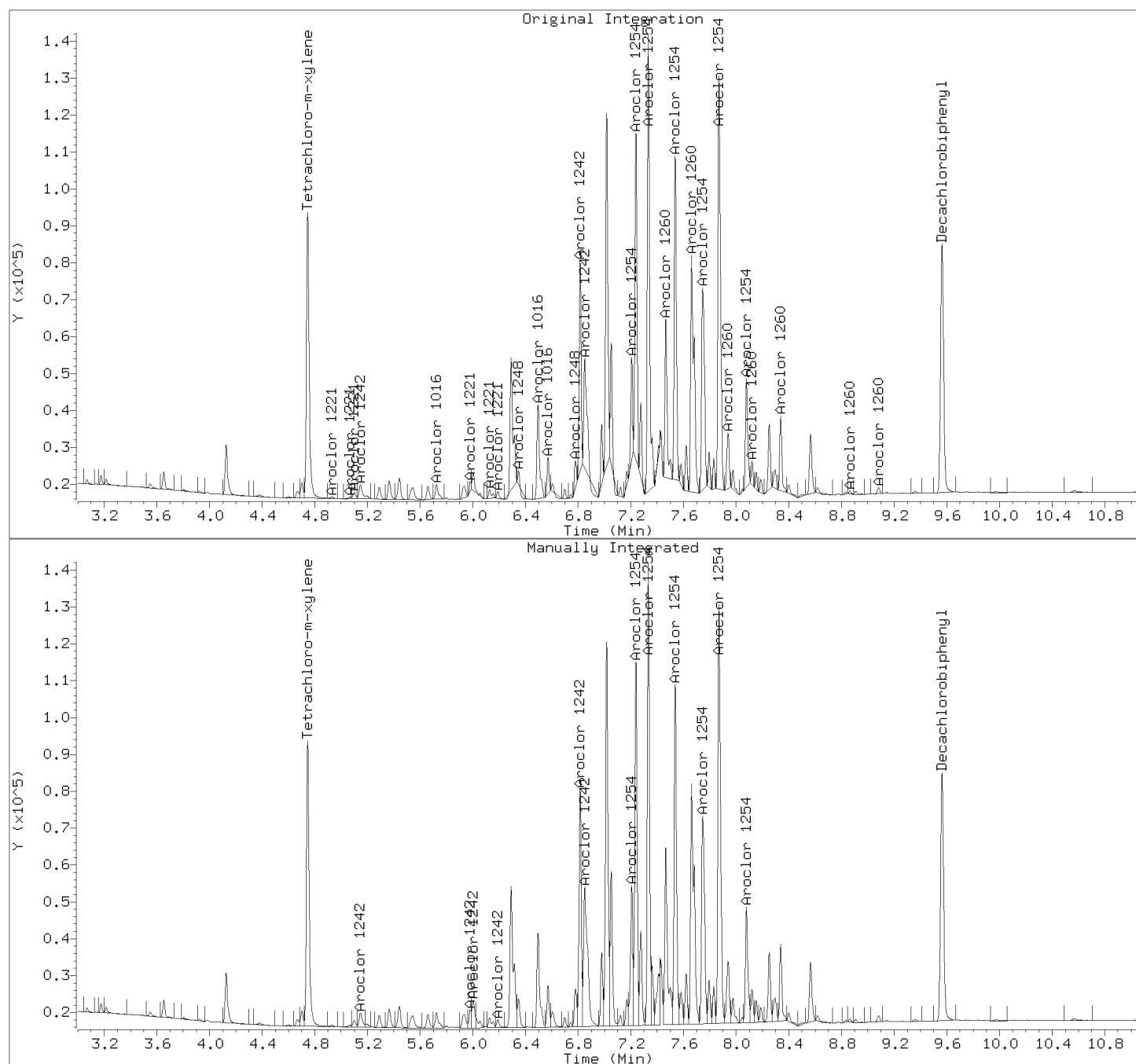
Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 2080287



Manually Integrated Compounds

[illegible]

Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1232	628	0	
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1242	7406	6967	CO
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1248	2229	0	
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1254	26508	48421	CO
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Aroclor 1260	51474	0	
Tetrachloro-m-xylene	111660	111660	
Decachlorobiphenyl	110066	110066	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713102.d
Lab Smp Id: 2080287 Client Smp ID: PAS-BS-147MS
Inj Date : 14-JUL-2020 20:33
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080287 x4
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: MS
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.665	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.382	836	338	0.404	0.04		
3.443	1667	1494	0.896	0.08		
3.573	6928	5496	0.793	0.37		
3.652	652	315	0.483	0.03		
3.687	642	617	0.961	0.03		
3.975	16113	15796	0.980	0.86		
4.115	599	231	0.386	0.03		
4.190	1908	1642	0.861	0.10		
4.287	916	710	0.775	0.04		
4.480	1599	630	0.394	0.08		
4.682	104658	86664	0.828	5.64	\$ 2 Tetrachloro-m-xylene	
4.773	3187	2610	0.819	0.17		
4.800	6909	4458	0.645	0.37		
4.940	8626	4414	0.512	0.46		
5.027	2476	1123	0.454	0.13		
5.093	1033	465	0.450	0.05		
5.135	4179	2333	0.558	0.22		
5.202	9988	5574	0.558	0.53	3 Aroclor 1242	
5.298	9430	6205	0.658	0.50		
5.397	1162	355	0.306	0.06		
5.445	4809	3605	0.750	0.25		
5.618	7273	2876	0.395	0.39	3 Aroclor 1242	
5.682	1134	694	0.612	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.735	4863	3951	0.812	0.26	
5.828	5532	4775	0.863	0.29	
5.863	1313	1029	0.784	0.07	
5.955	4445	3889	0.875	0.23	
5.983	3603	2963	0.822	0.19	
6.042	4861	5497	1.131	0.26	3 Aroclor 1242
6.060	12721	9678	0.761	0.68	
6.175	2896	1684	0.581	0.15	
6.227	630	533	0.846	0.03	
6.277	2616	2371	0.906	0.14	3 Aroclor 1242
6.308	1248	1177	0.943	0.06	
6.352	42705	38235	0.895	2.30	
6.392	18794	16056	0.854	1.01	
6.423	9602	7444	0.775	0.51	
6.487	480	388	0.809	0.02	
6.587	28057	25660	0.915	1.51	
6.623	5136	4581	0.892	0.27	
6.692	17693	13690	0.774	0.95	
6.815	3753	3648	0.972	0.20	
6.843	12479	11256	0.902	0.67	
6.892	39815	36113	0.907	2.14	3 Aroclor 1242
6.928	82637	74092	0.897	4.45	3 Aroclor 1242
6.992	12446	11898	0.956	0.67	
7.023	20870	19030	0.912	1.12	
7.070	90326	82478	0.913	4.87	
7.118	51130	46164	0.903	2.75	
7.152	33787	26806	0.793	1.82	
7.207	1081	1102	1.019	0.05	
7.247	6696	6462	0.965	0.36	
7.293	27604	32966	1.194	1.48	16 Aroclor 1254
7.310	47378	44563	0.941	2.55	16 Aroclor 1254
7.337	71410	66565	0.932	3.85	
7.383	25069	24747	0.987	1.35	
7.423	150739	122981	0.816	8.53	16 Aroclor 1254
7.497	21196	11797	0.557	1.14	
7.560	70317	53940	0.767	3.79	16 Aroclor 1254
7.582	101575	93674	0.922	5.47	
7.660	19695	15401	0.782	1.06	
7.702	72214	61558	0.852	3.89	
7.820	48599	55682	1.146	2.62	16 Aroclor 1254
7.835	60662	57077	0.941	3.27	
7.883	12193	10946	0.898	0.65	
7.915	9665	9414	0.974	0.52	
7.960	135001	95995	0.711	7.28	16 Aroclor 1254
8.017	20292	10483	0.517	1.09	
8.055	8113	6973	0.860	0.43	
8.118	7218	5793	0.803	0.38	
8.172	1351	1244	0.921	0.07	
8.215	34821	26116	0.750	1.87	16 Aroclor 1254
8.282	5262	4719	0.897	0.28	
8.327	26565	20507	0.772	1.43	
8.400	24229	18778	0.775	1.30	
8.455	968	696	0.719	0.05	
8.557	3368	2944	0.874	0.18	
8.695	22655	12293	0.543	1.22	
8.887	1160	864	0.745	0.06	
9.058	997	766	0.768	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.190	1853	1475	0.796	0.09	
9.332	1048	766	0.731	0.05	
9.532	729	488	0.669	0.03	
9.567	1550	898	0.579	0.08	
9.835	98896	59049	0.597	5.33	\$ 42 Decachlorobiphenyl
11.415	807	349	0.433	0.04	
	1854133	1543802		100.000	

Total unknown % area = 53

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713102.d
Lab Smp Id: 2080287 Client Smp ID: PAS-BS-147MS
Inj Date : 14-JUL-2020 20:33
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080287 x4
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: MS
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.665	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.681	4.660	0.021	104657	0.02108	72			
3 Aroclor 1242					CAS #: 53469-21-9			
5.201	5.179	0.022	9987	0.13457	460	0.00-	20.00	100.00
5.618	5.597	0.021	7272	0.05258	180	0.00-	20.00	72.81
6.041	6.021	0.020	4861	0.03717	130	0.00-	20.00	48.67
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00
6.276	6.257	0.019	2615	0.02955	100	0.00-	20.00	26.18
6.891	6.876	0.015	39814	0.36023	1200	0.00-	20.00	398.66
6.928	6.916	0.012	82636	0.62303	2100	0.00-	20.00	827.44
Average of Peak Concentrations =					710			

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.293	7.278	0.015	27604	0.28774	990	0.00-	20.00	100.00	
7.310	7.322	-0.012	47378	0.25461	870	0.00-	20.00	171.63	
7.423	7.409	0.014	150738	0.39685	1400	0.00-	20.00	546.07	
7.560	7.568	-0.008	70316	0.26642	910	0.00-	20.00	254.73	
7.820	7.822	-0.002	48598	0.29601	1000	0.00-	20.00	176.05	
7.960	7.947	0.013	135000	0.40976	1400	0.00-	20.00	489.06	
8.215	8.200	0.015	34820	0.37192	1300	0.00-	20.00	126.14	
Average of Peak Concentrations =					1100				

28 Aroclor 1260					CAS #: 11096-82-5				
Operator disabled compound identification.									

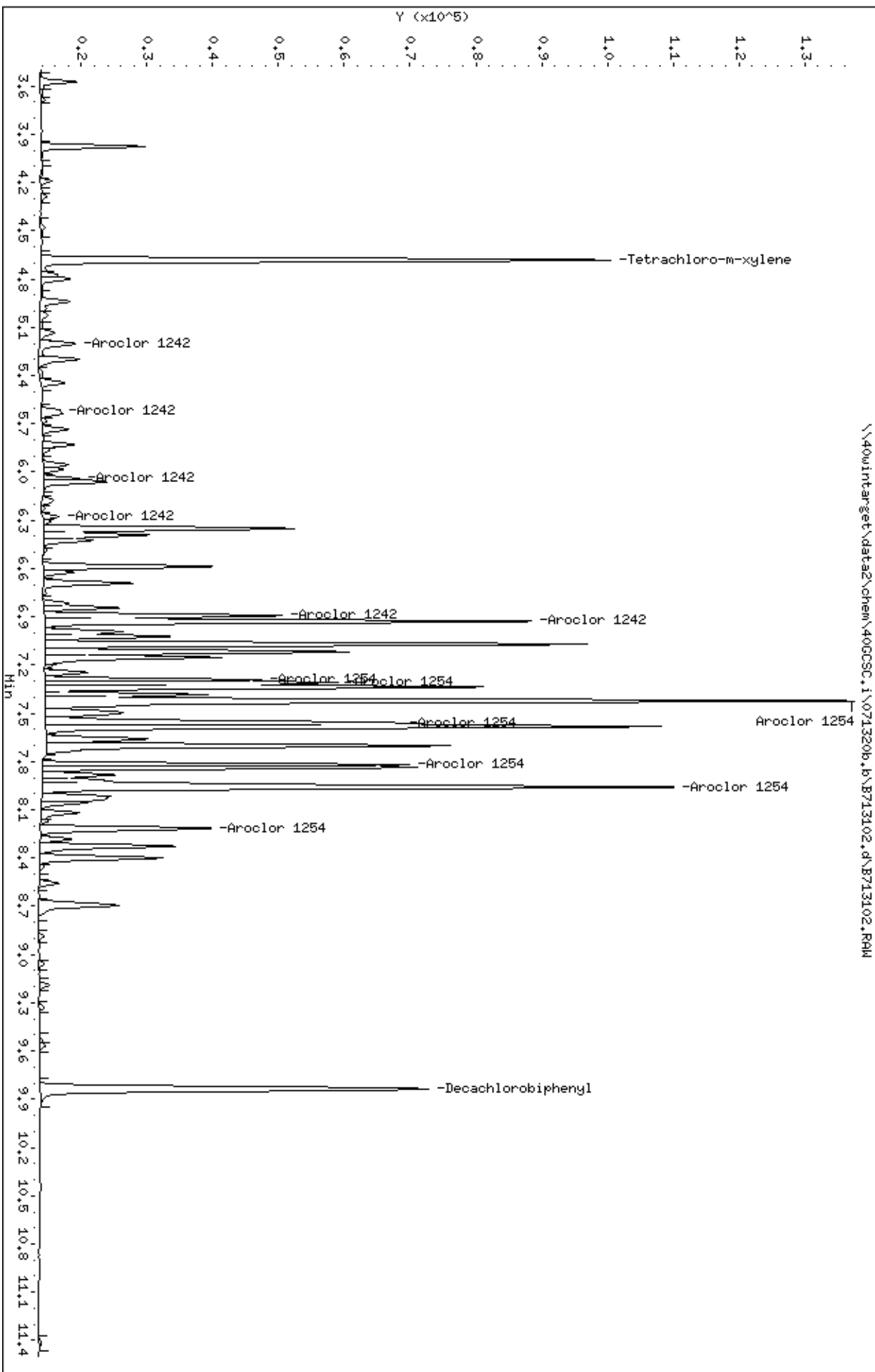
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.835	9.812	0.023	98896	0.01875	64				

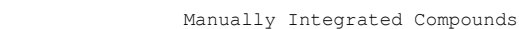
Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713102.d
Date : 14-JUL-2020 20:33
Client ID: PAS-BS-147MS
Sample Info: 2080287 x4
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



[illegible]

Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1232	8625	0
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1242	9987	9987
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1248	4861	0
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1254	27604	27604
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Aroclor 1260	70316	0
Tetrachloro-m-xylene	104657	104657
Decachlorobiphenyl	98896	98896
=====		

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Green Bay
Date Received: 06/18/2020 09:20
Date Extracted: 07/09/2020 13:44
Date Analyzed: 07/14/2020 20:56
Initial wt/vol: 11.4896 Final wt/vol: 10 mL Dilution: 4

Contract: PAS BIOTA SAMPLING
Matrix: Tissue SDG No.: 40209774
Lab Sample ID: 2080288
Lab File ID: 071320A.BVA713103.D
Instrument: 40GCSC Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	202	
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	1510	
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/15/2020 1:45

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713103.d
Lab Smp Id: 2080288 Client Smp ID: PAS-BS-147MSD
Inj Date : 14-JUL-2020 20:56
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080288 x4
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.490	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.070	4719	3994	0.846	0.20		
3.177	7640	7503	0.982	0.33		
3.217	1951	1577	0.808	0.08		
3.552	3229	1965	0.609	0.14		
3.653	7619	6926	0.909	0.33		
3.702	584	377	0.646	0.02		
3.805	1764	1296	0.735	0.07		
3.878	507	490	0.966	0.02		
3.928	1851	1661	0.897	0.08		
4.127	53570	42792	0.799	2.33		
4.360	1722	680	0.395	0.07		
4.600	918	622	0.677	0.04		
4.668	2684	1977	0.737	0.11		
4.703	6182	4319	0.699	0.26		
4.747	117522	81362	0.692	5.12	\$ 2 Tetrachloro-m-xylene	
4.930	759	418	0.551	0.03		
5.067	633	492	0.777	0.02		
5.100	2925	1868	0.639	0.12		
5.148	7260	4192	0.577	0.31	3 Aroclor 1242	CO
5.195	1692	905	0.535	0.07		
5.290	4872	3485	0.715	0.21		
5.365	8529	5351	0.627	0.37		
5.442	8877	5472	0.616	0.38		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.545	8720	3850	0.442	0.38	
5.660	6471	3966	0.613	0.28	
5.723	7875	4526	0.575	0.34	
5.800	929	583	0.628	0.04	
5.887	1151	880	0.764	0.05	
5.930	10160	5481	0.539	0.44	
5.980	6568	5434	0.827	0.28	3 Aroclor 1242
6.003	12535	8139	0.649	0.54	3 Aroclor 1242
6.022	4171	3949	0.947	0.18	
6.055	3169	1925	0.607	0.13	
6.127	7498	3994	0.533	0.32	
6.190	3647	2503	0.686	0.15	3 Aroclor 1242
6.222	301	337	1.121	0.01	
6.290	73170	40837	0.558	3.19	
6.347	12187	8367	0.687	0.53	
6.495	39529	27097	0.686	1.72	
6.572	15213	11837	0.778	0.66	
6.607	8903	4512	0.507	0.38	
6.698	3214	2688	0.836	0.14	
6.745	1312	1261	0.961	0.05	
6.780	13370	11192	0.837	0.58	
6.815	81269	67172	0.827	3.54	3 Aroclor 1242
6.850	86302	38711	0.449	3.76	3 Aroclor 1242
6.980	24088	20998	0.872	1.05	
7.017	144077	109186	0.758	6.28	
7.052	56980	45065	0.791	2.48	
7.122	3667	2936	0.801	0.15	
7.170	9066	7608	0.839	0.39	
7.208	52065	39846	0.765	2.27	16 Aroclor 1254
7.238	131596	105810	0.804	5.74	16 Aroclor 1254
7.277	32637	26876	0.823	1.42	
7.333	151017	133039	0.881	6.58	16 Aroclor 1254
7.362	18775	17028	0.907	0.81	
7.422	44030	18634	0.423	1.92	
7.467	63771	51062	0.801	2.78	
7.500	14175	10780	0.761	0.61	
7.537	122248	97912	0.801	5.33	16 Aroclor 1254
7.582	12494	9207	0.737	0.54	
7.622	16890	15100	0.894	0.73	
7.662	124861	69424	0.556	5.44	
7.720	116	604	5.202	0.00	
7.747	94391	59675	0.632	4.11	16 Aroclor 1254
7.795	13960	12233	0.876	0.60	
7.830	12055	10686	0.886	0.52	
7.870	166068	121177	0.730	7.68	16 Aroclor 1254
7.940	26796	17571	0.656	1.16	
7.977	10151	7238	0.713	0.44	
8.045	1846	1606	0.870	0.08	
8.078	44201	33161	0.750	1.92	16 Aroclor 1254
8.122	10975	9542	0.869	0.47	
8.152	7167	6237	0.870	0.31	
8.188	4743	4232	0.892	0.20	
8.252	23022	19945	0.866	1.00	
8.297	11511	6708	0.583	0.50	
8.338	27160	22465	0.827	1.18	
8.402	3138	2620	0.835	0.13	
8.497	859	417	0.485	0.03	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.567	24336	17368	0.714	1.06	
8.618	3467	2078	0.599	0.15	
8.830	951	742	0.780	0.04	
8.867	1377	1000	0.726	0.06	
8.908	1117	873	0.782	0.04	
9.083	2741	1888	0.689	0.11	
9.142	857	361	0.421	0.03	
9.362	921	621	0.674	0.04	
9.563	117414	71633	0.610	5.12	\$ 42 Decachlorobiphenyl
9.753	710	325	0.458	0.03	
9.977	692	365	0.528	0.03	
10.573	1027	455	0.443	0.04	
	2291879	1653302		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713103.d
Lab Smp Id: 2080288 Client Smp ID: PAS-BS-147MSD
Inj Date : 14-JUL-2020 20:56
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080288 x4
Misc Info : 21352,BIOTA
Comment : 8082
Method : \\40wintarget\data2\chem\40GCSC.i\071320a.b\pcbA070720.m
Meth Date : 15-Jul-2020 09:19 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: A707030.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.490	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET	RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Aroclor 1221			CAS #: 11104-28-2						

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8					
4.746	4.726	0.020	117521	0.02023	70					
3 Aroclor 1242					CAS #: 53469-21-9					
5.148	5.123	0.025	7259	0.09317	320	0.00-	20.00	100.00 (M)	CO	
5.510	5.510	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
5.980	5.960	0.020	6567	0.04980	170	0.00-	20.00	90.47	CO	
6.003	5.982	0.021	12535	0.05447	190	0.00-	20.00	172.68	CO	
6.190	6.169	0.021	3646	0.03496	120	0.00-	20.00	50.23	CO	
6.832	6.832	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
6.858	6.858	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO	
Average of Peak Concentrations =					200					

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE
====	=====	=====		=====	=====	=====	=====	=====	=====

4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

7 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

12 Aroclor 1248 CAS #: 12672-29-6

Operator disabled compound identification.

		16 Aroclor 1254				CAS #: 11097-69-1			
7.208	7.193	0.015	52064	0.46210	1600	0.00-	20.00	100.00 (M)	CO
7.227	7.227	0.000	0	0.00	0.00	0.00-	20.00	0.00	CO
7.333	7.320	0.013	151017	0.41367	1400	0.00-	20.00	290.06	CO
7.536	7.524	0.012	122247	0.43473	1500	0.00-	20.00	234.80	CO
7.746	7.733	0.013	94390	0.42553	1500	0.00-	20.00	181.30	CO
7.870	7.858	0.012	166068	0.44748	1600	0.00-	20.00	318.97	CO
8.078	8.066	0.012	44201	0.41725	1400	0.00-	20.00	84.90	CO
Average of Peak Concentrations =					1500				

28 Aroclor 1260 CAS #: 11096-82-5

Operator disabled compound identification.

		\$ 42 Decachlorobiphenyl				CAS #: 2051-24-3	
9.563	9.546	0.017	117413	0.02030	71		

QC Flag Legend

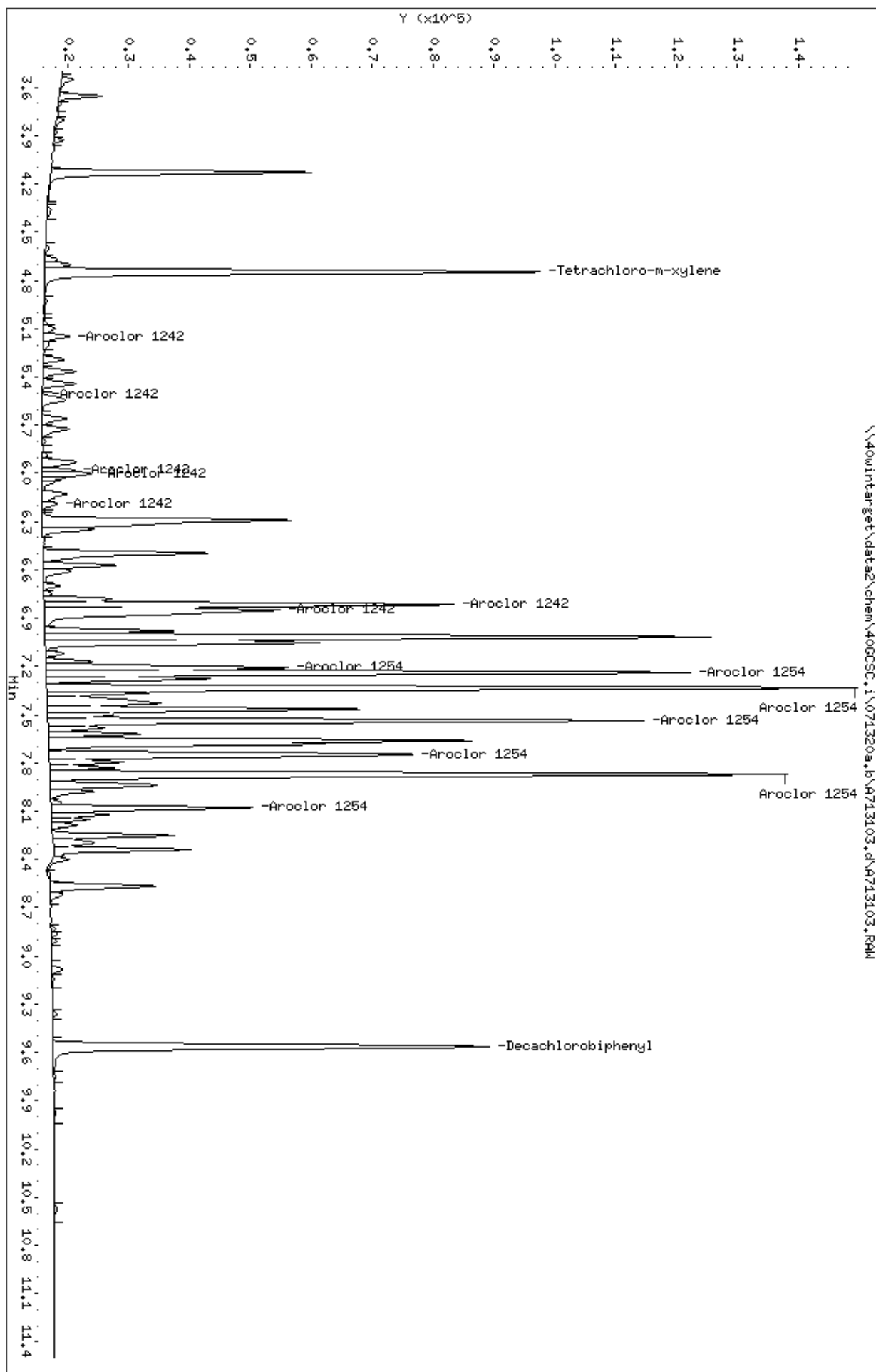
M - Compound response manually integrated.

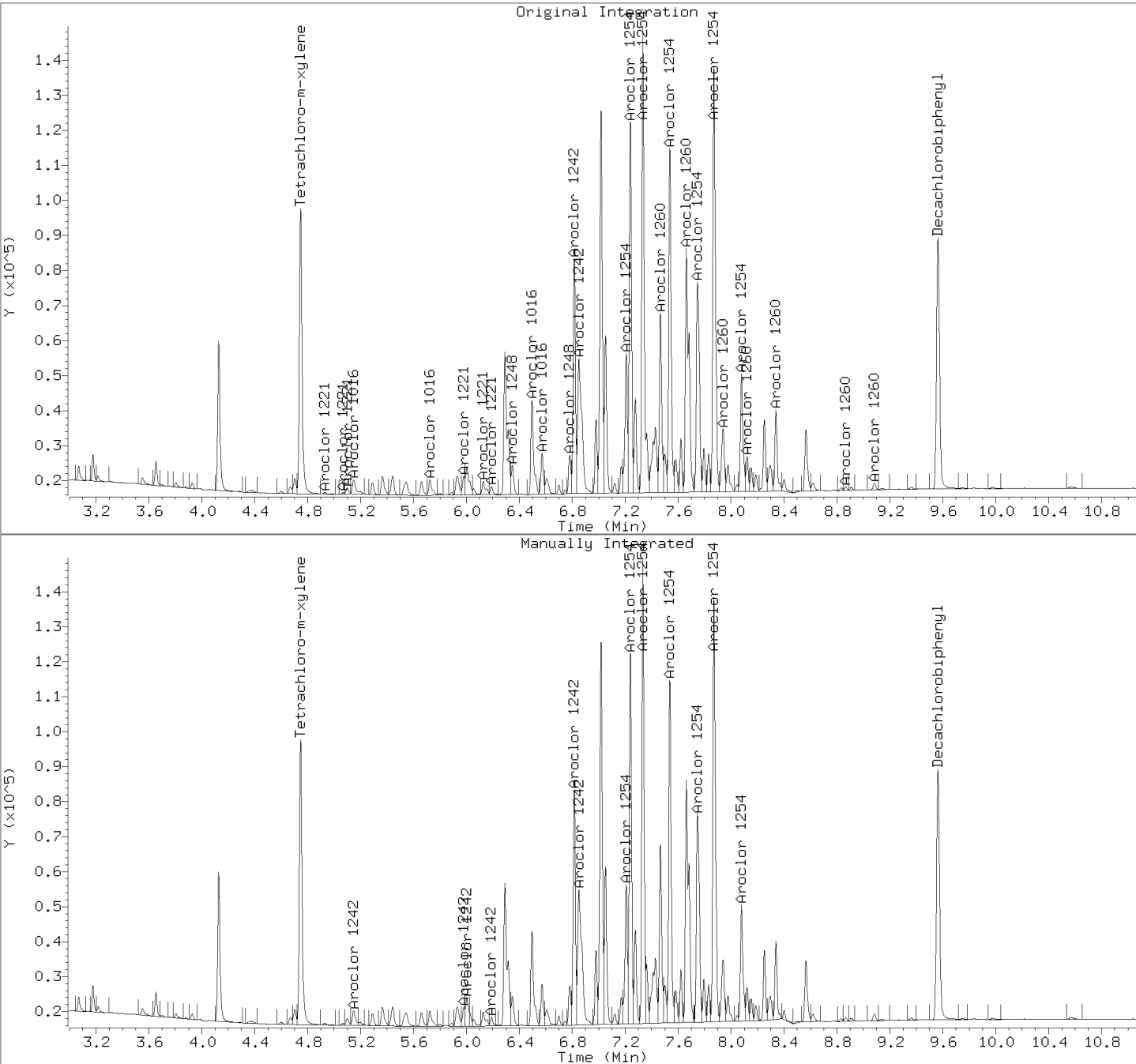
Review Codes Legend

:
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSC.i\071320a.b\A713103.d
Date : 14-JUL-2020 20:56
Client ID: PAS-B8-147MSD
Sample Info: 2080288 x4
Volume Injected (uL): 1.0
Column phase: Rtx-CLP

Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1016	7924	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	
Aroclor 1221	759	0	

Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1232	759	0	
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1242	2689	7259	CO
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1248	6066	0	
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1254	50826	52064	CO
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Aroclor 1260	63251	0	
Tetrachloro-m-xylene	117521	117521	
Decachlorobiphenyl	117413	117413	
=====			

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713103.d
Lab Smp Id: 2080288 Client Smp ID: PAS-BS-147MSD
Inj Date : 14-JUL-2020 20:56
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080288 x4
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: AREA%
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.490	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
3.443	2205	2259	1.025	0.10		
3.575	9002	7822	0.869	0.44		
3.607	1491	1184	0.794	0.07		
3.652	891	743	0.834	0.04		
3.687	2251	1830	0.813	0.11		
3.977	48623	47751	0.982	2.40		
4.115	1232	601	0.488	0.06		
4.192	1990	1698	0.853	0.09		
4.287	1081	756	0.699	0.05		
4.480	2100	947	0.451	0.10		
4.682	110260	91390	0.829	5.44	\$ 2 Tetrachloro-m-xylene	
4.773	3632	2805	0.772	0.17		
4.800	7143	4669	0.654	0.35		
4.940	8452	4220	0.499	0.41		
5.027	2504	1156	0.462	0.12		
5.095	1164	497	0.427	0.05		
5.135	5281	2511	0.475	0.26		
5.202	9889	5963	0.603	0.48	3 Aroclor 1242	
5.268	964	715	0.742	0.04		
5.298	10500	6587	0.627	0.51		
5.445	4846	3706	0.765	0.23		
5.618	8452	3237	0.383	0.41	3 Aroclor 1242	
5.680	1685	1074	0.638	0.08		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.735	5962	4323	0.725	0.29	
5.793	2536	2204	0.869	0.12	
5.828	6488	5394	0.831	0.32	
5.863	2355	1596	0.678	0.11	
5.955	6547	5419	0.828	0.32	
5.983	4662	3606	0.773	0.23	
6.043	5521	6113	1.107	0.27	3 Aroclor 1242
6.062	16789	11906	0.709	0.82	
6.175	3181	1869	0.588	0.15	
6.227	771	728	0.945	0.03	
6.277	3025	2601	0.860	0.14	3 Aroclor 1242
6.307	1427	1345	0.943	0.07	
6.352	45578	41092	0.902	2.25	
6.392	20175	17352	0.860	0.99	
6.425	10612	8034	0.757	0.52	
6.488	1341	1151	0.858	0.06	
6.587	29938	27329	0.913	1.47	
6.623	5613	4981	0.887	0.27	
6.692	18638	14610	0.784	0.92	
6.815	4073	3942	0.968	0.20	
6.843	13409	11756	0.877	0.66	
6.892	42095	38217	0.908	2.08	3 Aroclor 1242
6.930	87928	76962	0.875	4.34	3 Aroclor 1242
6.992	13139	12556	0.956	0.64	
7.023	22018	20572	0.934	1.08	
7.068	95873	87850	0.916	4.73	
7.118	54283	48611	0.896	2.68	
7.152	35856	28329	0.790	1.77	
7.207	1148	1174	1.023	0.05	
7.247	7130	6947	0.974	0.35	
7.293	29244	34569	1.182	1.44	16 Aroclor 1254
7.310	53540	48407	0.904	2.64	16 Aroclor 1254
7.337	74099	70352	0.949	3.66	
7.383	26577	26465	0.996	1.31	
7.423	159275	132261	0.830	8.31	16 Aroclor 1254
7.497	22395	12693	0.567	1.10	
7.560	74631	57516	0.771	3.68	16 Aroclor 1254
7.582	107887	98542	0.913	5.33	
7.660	20591	16674	0.810	1.01	
7.702	77697	66848	0.860	3.83	
7.822	55291	57756	1.045	2.73	16 Aroclor 1254
7.835	60745	61958	1.020	3.00	
7.883	12942	11848	0.915	0.63	
7.915	10241	9907	0.967	0.50	
7.960	143911	103227	0.717	7.11	16 Aroclor 1254
8.017	21810	11209	0.514	1.07	
8.055	8395	7373	0.878	0.41	
8.118	7566	6206	0.820	0.37	
8.170	1486	1350	0.909	0.07	
8.215	36946	27836	0.753	1.82	16 Aroclor 1254
8.282	5619	5109	0.909	0.27	
8.327	28397	21627	0.762	1.40	
8.400	26644	20149	0.756	1.31	
8.455	1044	748	0.717	0.05	
8.558	3677	3206	0.872	0.18	
8.695	24209	12985	0.536	1.19	
8.887	1192	886	0.743	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.060	994	776	0.781	0.04	
9.190	2566	1695	0.661	0.12	
9.332	1223	866	0.708	0.06	
9.532	800	556	0.695	0.03	
9.565	1284	750	0.584	0.06	
9.835	105129	62507	0.595	5.19	\$ 42 Decachlorobiphenyl
10.445	1013	362	0.357	0.05	
11.418	840	364	0.433	0.04	
	2023647	1688273		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846 8082

Data file : \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713103.d
Lab Smp Id: 2080288 Client Smp ID: PAS-BS-147MSD
Inj Date : 14-JUL-2020 20:56
Operator : BLM Inst ID: 40GCSC.i
Smp Info : 2080288 x4
Misc Info : 21352,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSC.i\071320b.b\pcbB070720.m
Meth Date : 15-Jul-2020 09:23 40GCSC.i Quant Type: ESTD
Cal Date : 07-JUL-2020 21:41 Cal File: B707030.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix:

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	4.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	11.490	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	()	TARGET RANGE	RATIO	REVIEW CODE	
====	=====	=====	=====	=====	=====	=====	=====	=====	
1 Aroclor 1221					CAS #: 11104-28-2				

Operator disabled compound identification.

\$ 2 Tetrachloro-m-xylene										CAS #: 877-09-8			
4.681	4.660	0.021	110260	0.02220	77								
3 Aroclor 1242										CAS #: 53469-21-9			
5.201	5.179	0.022	9888	0.13324	460	0.00-	20.00	100.00					
5.618	5.597	0.021	8452	0.06111	210	0.00-	20.00	85.48					
6.043	6.021	0.022	5521	0.04221	150	0.00-	20.00	55.84					
0.000	6.040	-6.040	0	0.00	0.00	0.00-	20.00	0.00					
6.276	6.257	0.019	3024	0.03417	120	0.00-	20.00	30.58					
6.891	6.876	0.015	42094	0.38086	1300	0.00-	20.00	425.71					
6.930	6.916	0.014	87927	0.66292	2300	0.00-	20.00	889.23					
Average of Peak Concentrations =					760								

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(	)	TARGET RANGE	RATIO	REVIEW CODE
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 Aroclor 1232					CAS #: 1114-16-5				
Operator disabled compound identification.									

7 Aroclor 1016					CAS #: 12674-11-2				
Operator disabled compound identification.									

12 Aroclor 1248					CAS #: 12672-29-6				
Operator disabled compound identification.									

16 Aroclor 1254					CAS #: 11097-69-1				
7.293	7.278	0.015	29243	0.30482	1100	0.00-	20.00	100.00	
7.310	7.322	-0.012	53539	0.28771	1000	0.00-	20.00	183.08	
7.423	7.409	0.014	159275	0.41933	1400	0.00-	20.00	544.66	
7.560	7.568	-0.008	74631	0.28277	980	0.00-	20.00	255.21	
7.821	7.822	-0.001	55291	0.33677	1200	0.00-	20.00	189.07	
7.960	7.947	0.013	143910	0.43680	1500	0.00-	20.00	492.12	
8.215	8.200	0.015	36945	0.39462	1400	0.00-	20.00	126.34	
Average of Peak Concentrations =					1200				

28 Aroclor 1260					CAS #: 11096-82-5				
Operator disabled compound identification.									

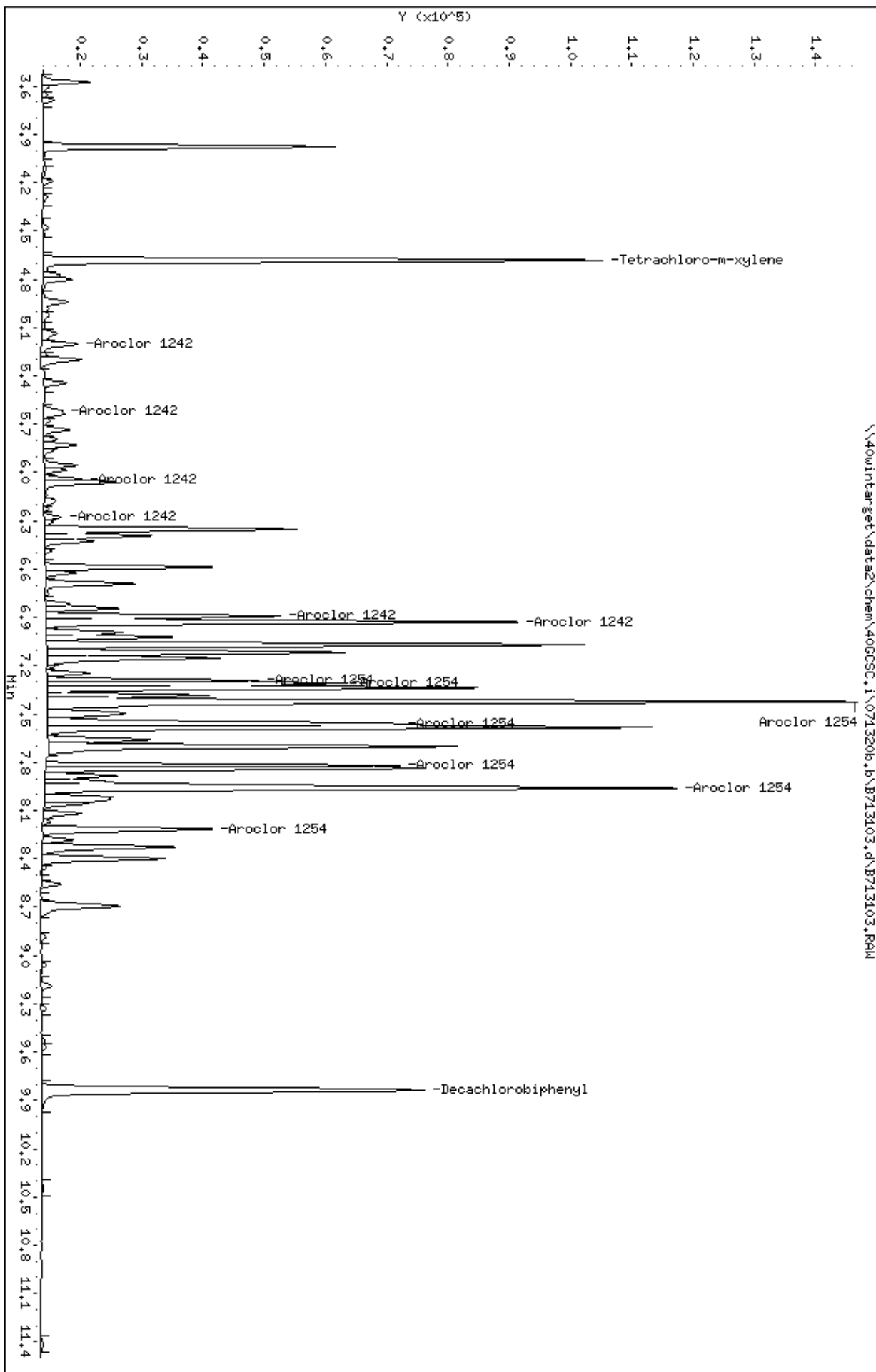
\$ 42 Decachlorobiphenyl					CAS #: 2051-24-3				
9.835	9.812	0.023	105129	0.01993	69				

Review Codes Legend

:

Data File: \\40wintarget\data2\chem\40GCSC.i\071320b.b\B713103.d
Date : 14-JUL-2020 20:56
Client ID: PAS-B8-147MSD
Sample Info: 2080288 x4
Volume Injected (uL): 1.0
Column phase: Rtx-CLP II

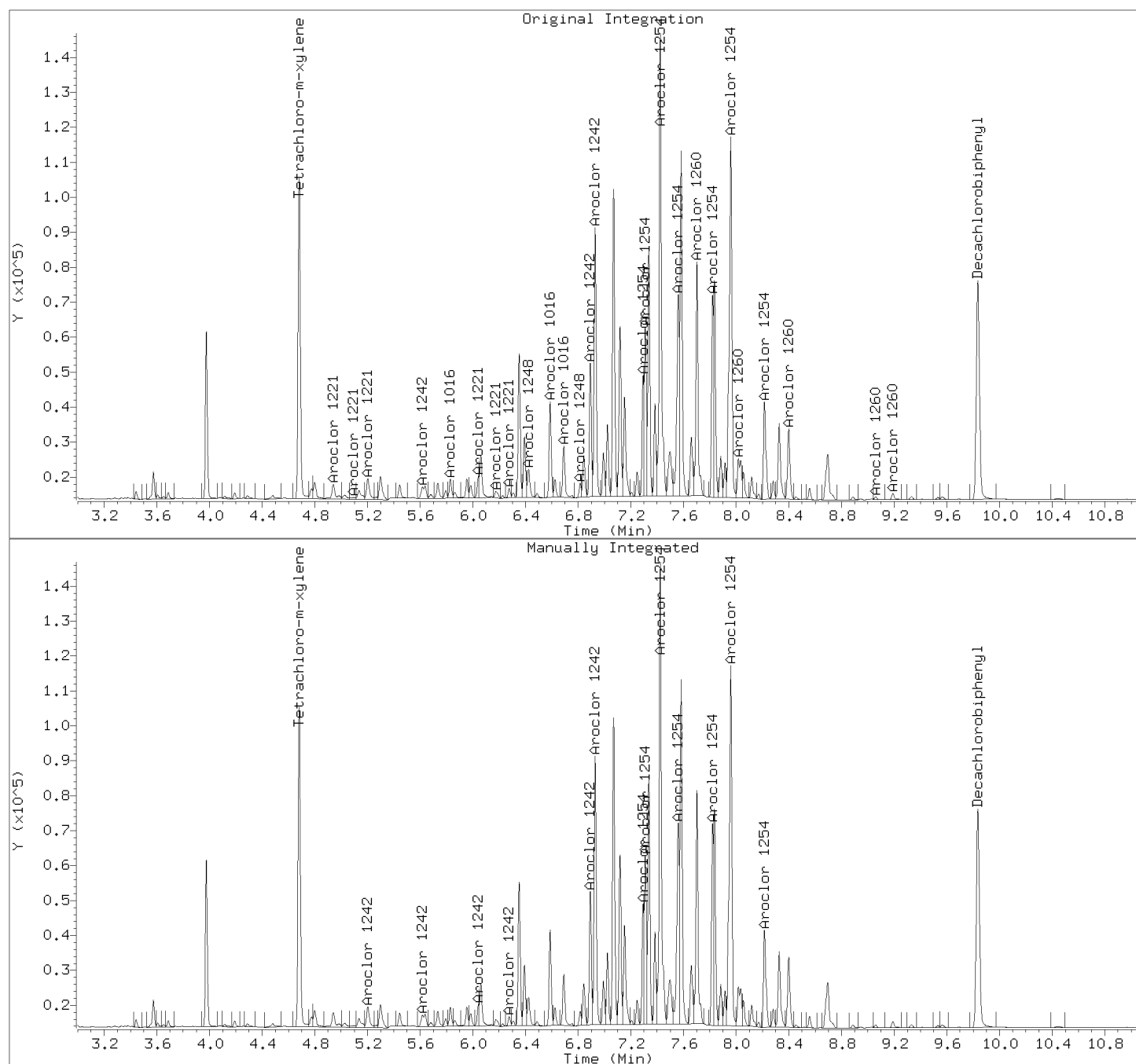
Instrument: 40GCSC.i
Operator: BLH
Column diameter: 0.32



Operator: BLM

Instrument: 40GCSC.i

Lab Sample ID: 2080288



Manually Integrated Compounds

[illegible]

Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1232	8452	0
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1242	9888	9888
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1248	5521	0
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1254	29243	29243
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Aroclor 1260	74631	0
Tetrachloro-m-xylene	110260	110260
Decachlorobiphenyl	105129	105129
=====		

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 2080286 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1254 (Aroclor 1254)	1	8.07833	196	2.7
	2	7.29333	201	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

MS

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 2080287 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 4

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	185	117
	2	5.20167	707	
PCB-1254 (Aroclor 1254)	1	8.07833	1400	22.4
	2	7.29333	1120	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 2080288 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 4

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	202	116
	2	5.20167	763	
PCB-1254 (Aroclor 1254)	1	8.07833	1510	20.8
	2	7.29333	1220	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-146

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774001 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	248	3.7
	2	5.20167	258	
PCB-1254 (Aroclor 1254)	1	8.07833	187	98.9
	2	7.3	553	
PCB-1260 (Aroclor 1260)	1	9.08333	50.4	74.5
	2	7.56	110	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-147

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774002 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	163	32.2
	2	5.20167	225	
PCB-1254 (Aroclor 1254)	1	8.07833	148	72.7
	2	7.3	318	
PCB-1260 (Aroclor 1260)	1	9.08333	44.8	68.3
	2	7.56167	91.1	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-148

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774003 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	158	13.7
	2	5.20167	181	
PCB-1254 (Aroclor 1254)	1	8.07833	185	76.1
	2	7.3	412	
PCB-1260 (Aroclor 1260)	1	9.08333	60.1	48.0
	2	7.53333	98.0	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-243

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774004 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	195	11.3
	2	5.20167	175	
PCB-1254 (Aroclor 1254)	1	8.07833	53.9	60.3
	2	7.3	100	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-244

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774005 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	182	6.7
	2	5.20167	170	
PCB-1254 (Aroclor 1254)	1	8.07833	72.1	70.7
	2	7.3	151	
PCB-1260 (Aroclor 1260)	1	9.08333	19.3J	68.6
	2	7.56167	39.5	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-245

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774006 SDG No.: 40209774 Date(s) Analyzed: 07/14/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	326	7.3
	2	5.2	303	
PCB-1254 (Aroclor 1254)	1	8.07667	153	95.9
	2	7.30833	435	
PCB-1260 (Aroclor 1260)	1	9.08167	41.1	68.8
	2	7.56	84.2	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-342

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774007 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 2

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	286	38.9
	2	5.205	425	
PCB-1254 (Aroclor 1254)	1	8.07833	526	26.0
	2	7.3	682	
PCB-1260 (Aroclor 1260)	1	9.085	144	67.7
	2	7.56167	291	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-343

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774008 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	306	18.9
	2	5.20167	369	
PCB-1254 (Aroclor 1254)	1	8.07833	329	24.3
	2	7.3	421	
PCB-1260 (Aroclor 1260)	1	9.08333	63.4	78.1
	2	7.56167	145	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-344

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774009 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	136	55.1
	2	5.205	240	
PCB-1254 (Aroclor 1254)	1	8.07833	238	28.6
	2	7.3	317	
PCB-1260 (Aroclor 1260)	1	9.08333	54.3J	65.4
	2	7.56167	107	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-440

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774010 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 2

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	119	75.6
	2	5.20333	264	
PCB-1254 (Aroclor 1254)	1	8.07833	358	49.0
	2	7.3	591	
PCB-1260 (Aroclor 1260)	1	9.085	104	74.9
	2	7.56167	228	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-441

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774011 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 3

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	201	72.8
	2	5.20333	432	
PCB-1254 (Aroclor 1254)	1	8.07833	504	64.1
	2	7.3	980	
PCB-1260 (Aroclor 1260)	1	9.08333	111	80.4
	2	7.56167	260	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-442

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774012 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 2

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	274	60.4
	2	5.20333	512	
PCB-1254 (Aroclor 1254)	1	8.07833	630	16.5
	2	7.3	744	
PCB-1260 (Aroclor 1260)	1	9.08333	144	74.6
	2	7.56167	316	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-546

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774013 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 2

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	86.4	92.6
	2	5.205	235	
PCB-1254 (Aroclor 1254)	1	8.07833	299	105
	2	7.3	954	
PCB-1260 (Aroclor 1260)	1	9.08333	82.2	72.1
	2	7.56167	175	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-547

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774014 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	115	46.6
	2	5.20167	185	
PCB-1254 (Aroclor 1254)	1	8.07667	206	82.6
	2	7.3	497	
PCB-1260 (Aroclor 1260)	1	9.08333	57.3	73.6
	2	7.56167	124	

07/15/2020 1:41

10A - FORM X PCB-1
IDENTIFICATION SUMMARY

SAMPLE NO.

PAS-BS-548

Lab Name: Pace Analytical - Green Bay Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774015 SDG No.: 40209774 Date(s) Analyzed: 07/15/2020
Instrument ID (1): 40GCSC Instrument ID (2): 40GCSC Dilution Factor: 1

ANALYTE	COL	RT	CONCENTRATION UNITS: ug/kg	RPD
PCB-1242 (Aroclor 1242)	1	6.85852	104	63.3
	2	5.20333	200	
PCB-1254 (Aroclor 1254)	1	8.07833	225	78.8
	2	7.3	519	
PCB-1260 (Aroclor 1260)	1	9.08333	61.9	74.4
	2	7.56167	135	

07/15/2020 1:41

Batch Information: OEXT 359749 PCB-B

Prep Method	EPA 3540
Prepared By	ETB
Methylene Chloride	256952
Sodium Sulfate	256400
Florisil	256559
Acid 3665A Date/Initials	07/13/20 ETB
Conc. Temp #1	100
Batch Notes	

Analysis Method	EPA 8082
Extracted Date/Time	07/09/2020 13:44:07.764
Hexane	255425
GPC 3640A Date/Initials	N/A
Florisil Cartridge	None Added
Tuna	252780
Conc. Temp #2	100

Weighted By	ETB
Spiked By	ETB
Hexane/Acetone 90:10	None Added
Silica Gel	None Added
3620B Date/Initials	07/13/20 ETB
Soxhlets On	3:15PM 07/08/20
Reviewed By	BLM

Weighted By Date	07/09/2020 13:44:04:076
Spiked By Date/Time	07/09/2020 13:44:11:420
Petroleum Ether	None Added
3630C Date/Initials	N/A
H2SO4 - Conc.	240840
Soxhlets Off	7:15AM 07/09/20
Reviewed By Date	07/15/2020 08:57

Template Version: F-GB-O-112-Rev.02 (22Mar2018)

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1254-SPK (mL)
8082 T_P	BLANK	2080285	20.0173	10	2		254414 (.5)	
8082 T_P	LCS	2080286	20.0014	10	2		254414 (.5)	257411 (1)
8082 T_P	PS	40209774001	20.039	10	2		254414 (.5)	
8082 T_P	RQS	40209774002	11.6537	10	2		254414 (.5)	
8082 T_P	MS	2080287	11.6647	10	2		254414 (.5)	257411 (4)
8082 T_P	MSD	2080288	11.4896	10	2		254414 (.5)	257411 (4)
8082 T_P	PS	40209774003	14.9083	10	2		254414 (.5)	
8082 T_P	PS	40209774004	12.8931	10	2		254414 (.5)	
8082 T_P	PS	40209774005	20.0193	10	2		254414 (.5)	
8082 T_P	PS	40209774006	17.7755	10	2		254414 (.5)	
8082 T_P	PS	40209774007	9.3818	10	2		254414 (.5)	
8082 T_P	PS	40209774008	10.4147	10	2		254414 (.5)	
8082 T_P	PS	40209774009	6.5519	10	2		254414 (.5)	
8082 T_P	PS	40209774010	20.0084	10	2		254414 (.5)	
8082 T_P	PS	40209774011	18.8068	10	2		254414 (.5)	
8082 T_P	PS	40209774012	13.3999	10	2		254414 (.5)	
8082 T_P	PS	40209774013	18.5411	10	2		254414 (.5)	

40209774

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1254-SPK (mL)
8082 T_P	PS	40209774014	17.9109	10	2		254414 (.5)	
8082 T_P	PS	40209774015	13.0611	10	2		254414 (.5)	

Standard Notes:

254414: Pest/PCB Surrogate @2.0 ug/mL 40GCS9.

257411: PCB 1254 Spk @ 5.0 ug/ml 40GCSB.

Turbochrom Sequence File : L:\CHEM\TC4\40GCSC\070720\070720.SEQ

Created by : CAH on : 7/7/20 12:07 PM

Edited by : BLM on : 7/8/20 01:36 PM

Description : SW846-8082

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 154

Instrument Type : 760 / 900 Series Intelligent Interface

Injection Type : SINGLE

Sequence Sample Descriptions - Channel A											
Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend Norm. factor
1	Sample	PRIME			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
2	Sample	PRIME PEST			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
3	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
4	Sample	1221-CAL3S, NSAR	21329	254101	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
5	Sample	1232-CAL3S, NSAR	21329	254104	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
6	Sample	1262-CAL3S, NSAR	21329	254123	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
7	Sample	1268-CAL3S, NSAR	21329	254124	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
8	Sample	1242-CAL1B, NSAR	21329	254106	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
9	Sample	1242-CAL2B, NSAR	21329	254107	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
10	Sample	1242-CAL3B, NSAR	21329	254108	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
11	Sample	1242-CAL4B, NSAR	21329	254109	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
12	Sample	1242-CAL5B, NSAR	21329	254110	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
13	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
14	Sample	1248-CAL1D, NSAR	21329	254112	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
15	Sample	1248-CAL2D, NSAR	21329	254113	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
16	Sample	1248-CAL3D, NSAR	21329	254114	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
17	Sample	1248-CAL4D, NSAR	21329	254115	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
18	Sample	1248-CAL5D, NSAR	21329	254116	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
19	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
20	Sample	1254-CAL1C, NSAR	21329	254118	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
21	Sample	1254-CAL2C, NSAR	21329	254119	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
22	Sample	1254-CAL3C, NSAR	21329	254120	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
23	Sample	1254-CAL4C, NSAR	21329	254121	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
24	Sample	1254-CAL5C, NSAR	21329	254122	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
25	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
26	Sample	1660-CAL1A, AR16	21329	254169	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
27	Sample	1660-CAL2A, AR16	21329	254170	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
28	Sample	1660-CAL3A, AR16	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
29	Sample	1660-CAL4A, AR16	21329	254172	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
30	Sample	1660-CAL5A, AR16	21329	254173	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
31	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
32	Sample	1242-ICV, AR1242	21329	254126	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
33	Sample	1248-ICV, AR1248	21329	254127	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
34	Sample	1254-ICV, AR1254	21329	254128	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
35	Sample	1660-ICV, AR1660	21329	254174	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
36	Sample	1242-CRDL, RL124	21329	254106	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
37	Sample	1248-CRDL, RL124	21329	254112	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
38	Sample	1254-CRDL, RL125	21329	254118	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
39	Sample	1660-CRDL, RL166	21329	254169	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
40	Sample	2078852; PCBWSAL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
41	Sample	2078853; 1221MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
42	Sample	2078854; 1232MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
43	Sample	2078855; 1242MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
44	Sample	2078856; 1248MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
45	Sample	2078857; 1254MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
46	Sample	2078858; 1262MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
47	Sample	2078859; 1268MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
48	Sample	2078860; 1660MDL	21328	082S359500	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
49	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
50	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
51	Sample	2078558; PCBWSAL	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
52	Sample	2078559; PCBWSAL	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
53	Sample	2078560; PCBWSAL	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
54	Sample	2078561; PCBWSAL	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
55	Sample	40210499061; PCB	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
56	Sample	40210499062; PCB	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
57	Sample	40210499063; PCB	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000
58	Sample	40210499064 x4;	21326	082S359462	1.000	1.000	1.000	4.000	1.000	1.000	0.000 100.000
59	Sample	40210499065 x10	21326	082S359462	1.000	1.000	1.000	10.000	1.000	1.000	0.000 100.000
60	Sample	40210499066; PCB	21326	082S359462	1.000	1.000	1.000	1.000	1.000	1.000	0.000 100.000

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Date

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07/13/20
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7/13/20

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Date

Signed W. J. Jorgensen Date 7/13/20

235	Sample	2078984;1248MDL	21343	082T359734	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
236	Sample	2078985;1254MDL	21343	082T359734	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
237	Sample	2078986;1262MDL	21343	082T359734	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
238	Sample	2078987;1268MDL	21343	082T359734	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
239	Sample	2078988;1660MDL	21343	082T359734	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
240	Sample	OK 1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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Date

Turbochrom Sequence File : L:\CHEM\TC4\406CSC\071320\071320_SEQ
Created by : CAH on : 7/13/20 09:08 AM
Edited by : BLM on : 7/15/20 07:38 AM
Description : SW846-8082

Number of Times Edited : 6

Sequence File Header Information:

Number of Rows : 175
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Row	Type	Sample Name	Sample Number	Sequence Sample Descriptions - Study Name	Sample Amount	ISTD Amount	Channel A Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	PRIME			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	PRIME			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	2080675; PCBWS	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	2080676; PCBWS	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	2080677; PCBWS	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	2080678; PCBWS	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	40210839001; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	40210840001; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	40210842001; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	40210691025; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	40210691026; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	40210691027; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	40210691028; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	40210691029; PCB	21348	082S359818	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	40210843001 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
20	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	40210843002 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
22	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	40210843003 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
24	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	40210843004 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
26	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	40210843005 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
28	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	40210843006 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
30	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	40210843007 x10	21348	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
32	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	2081572; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	2081573; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	2081574; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	2081575; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	40210850001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	40210850002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	40210883001 x2;	21350	082S359934	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
42	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	40210989001 x2;	21350	082S359934	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
44	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	40210850003; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	40210888001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	40210888002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	40210890001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	40211008001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	40211008002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	40211008003; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	40211008004; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	40211008005; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	40211008006; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	1242-CCV, AR1242	21329	254108	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	1242-CCV, AR1242	21329	254108	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	2081592; FOXR	21351	SFOX359940	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	2081593; FOXR	21351	SFOX359940	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	2081594 x4; FOXR	21351	SFOX359940	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
60	Sample	2081595; FOXR	21351	SFOX359940	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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61	Sample	40210955001; FOX	21351	SFOX359940	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	1254-CCV, AR1254	21329	254120	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	1254-CCV, AR1254	21329	254120	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	2081572; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	2001573; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	2081574; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	2081575; PCBWS	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	40210883001 x2;	21350	082S359934	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
69	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	40210989001 x2;	21350	082S359934	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
71	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	40210850001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample	40210850002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample	40210850003; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	40210888001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	40210888002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	40210890001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	40211008001; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	40211008002; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	40211008003; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	40211008004; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	40211008005; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	40211008006; PCB	21350	082S359934	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample	40210843001 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
87	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	40210843002 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
89	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	40210843003 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
91	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	40210043004 x30	21340	082S359818	1.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
93	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample	40210843005 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
95	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample	40210843006 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
97	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
98	Sample	40210843007 x30	21348	082S359818	1.000	1.000	1.000	30.000	1.000	1.000	0.000	100.000
99	Sample	HEXANE			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
100	Sample	2080285; BIOTA	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
101	Sample	2080286; BIOTA	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
102	Sample	2080287 x4; BIOT	21352	082T359963	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
103	Sample	2080288 x4; BIOT	21352	082T359963	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
104	Sample	40209774001; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
105	Sample	40209774002; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
106	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	40209774003; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
109	Sample	40209774004; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
110	Sample	40209774005; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
111	Sample	40209774006; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
112	Sample	40209774007 x2;	21352	082T359963	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
113	Sample	40209774008; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
114	Sample	40209774009; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Sample	40209774010 x2;	21352	082T359963	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
116	Sample	40209774011 x3;	21352	082T359963	1.000	1.000	1.000	3.000	1.000	1.000	0.000	100.000
117	Sample	40209774012 x2;	21352	082T359963	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
118	Sample	40209774013 x2;	21352	082T359963	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
119	Sample	40209774014; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
120	Sample	40209774015; BIO	21352	082T359963	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
121	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
123	Sample	2081867; PCBWSAL	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
124	Sample	2081868; PCBWSAL	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
125	Sample	2081869; PCBWSAL	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
126	Sample	2081870; PCBWSAL	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
127	Sample	40210499134 x4;	21357	082S360087	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
128	Sample	40210499135; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
129	Sample	40210499136; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
130	Sample	40210499137; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
131	Sample	40210499138; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
132	Sample	40210499139; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
133	Sample	40210499140; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
134	Sample	40210499141 x4;	21357	082S360087	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
135	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
136	Sample	40210499142; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
137	Sample	40210499143; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
138	Sample	40210499144; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
139	Sample	40210499145; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
140	Sample	40210499146; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
141	Sample	40210499147 x20	21357	082S360087	1.000	1.000	1.000	20.000	1.000	1.000	0.000	100.000
142	Sample	40211007001; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
143	Sample	40211007003; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
144	Sample	40211007005; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
145	Sample	40211007007; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
146	Sample	40211007009; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
147	Sample	40211007011; PCB	21357	082S360087	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Continued on Page 72

Read and Understood By

Bey Meryem
Signed

7/17/20
Date

Gellatt: B.B. 
Signed

7-17-20
Date

148	Sample	OL 1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
149	Sample	2082020; PCBWS	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
150	Sample	2082021; PCBWS	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
151	Sample	2082022; PCBWS	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
152	Sample	2082023; PCBWS	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
153	Sample	40210999001; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
154	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
155	Sample	40210934013; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
156	Sample	40210934014; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
157	Sample	40210934018; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
158	Sample	40210997001; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
159	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
160	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
161	Sample	40211007013; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
162	Sample	40211007015; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
163	Sample	40211007017; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
164	Sample	40211007019; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
165	Sample	40211007021; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
166	Sample	40211007022; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
167	Sample	40211007023; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
168	Sample	40211007024; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
169	Sample	40211007025; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
170	Sample	40211007026; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
171	Sample	40211007027; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
172	Sample	40211007028 x3; PCB	21358	082S360091	1.000	1.000	1.000	3.000	1.000	1.000	0.000	100.000
173	Sample	40211007029; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
174	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
175	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
176	Sample	2082876; PCBWS	21360	082S360220	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
177	Sample	2082877; PCBWS	21360	082S360220	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
178	Sample	2082878 x2; PCBWS	21360	082S360220	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
179	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
180	Sample	2082879 x2; PCBWS	21360	082S360220	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
181	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
182	Sample	40211048001 x2; PCBWS	21360	082S360220	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
183	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
184	Sample	40211048002 x2; PCBWS	21360	082S360220	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
185	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
186	Sample	40211048003 x2; PCBWS	21360	082S360220	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
187	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
188	Sample	2082880; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
189	Sample	2082881; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
190	Sample	2082882; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
191	Sample	2082883; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
192	Sample	40210940001; PCB	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
193	Sample	OL 1242-CCV, AR1242	21329	254108	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
194	Sample	1242-CCV, AR1242	21329	254108	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
195	Sample	2082996; FOXR	21362	SFOX360222	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
196	Sample	2082997; FOXR	21362	SFOX360222	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
197	Sample	2082998 x4; FOXR	21362	SFOX360222	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
198	Sample	2082999; FOXR	21362	SFOX360222	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
199	Sample	4021105001; FOX	21362	SFOX360222	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
200	Sample	2082880; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
201	Sample	2082881; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
202	Sample	2082882; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
203	Sample	2082883; PCBWS	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
204	Sample	40210940001; PCB	21361	SSOX360221	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
205	Sample	OL 1254-CCV, AR1254	21329	254120	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
206	Sample	40211007028; PCB	21358	082S360091	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
207	Sample	* OL 1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
208	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
209	Sample	2083052; WIPEALL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
210	Sample	2083053; 1221MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
211	Sample	2083054; 1232MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
212	Sample	2083055; 1242MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
213	Sample	2083056; 1248MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
214	Sample	2083057; 1254MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
215	Sample	2083058; 1262MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
216	Sample	2083059; 1268MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
217	Sample	2083060; 1660MDL	21363	082I360259	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
218	Sample	OL 1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
219	Sample	2083646; PCBWS	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
220	Sample	2083647; PCBWS	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
221	Sample	2083648; PCBWS	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
222	Sample	2083649; PCBWS	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
223	Sample	40211128001 x2; PCBWS	21373	082S360375	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
224	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
225	Sample	40211189001 x2; PCBWS	21373	082S360375	1.000	1.000	1.000	2.000	1.000	1.000	0.000	100.000
226	Sample	HEXANE		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
227	Sample	40211177001; PCB	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
228	Sample	40211094012; PCB	21373	082S360375	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
229	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
230	Sample	1660-CCV, AR1660	21329	254171	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

BUM 7/17/20

Continued on Page

Read and Understood By

Ben Meryl
Signed

7/17/20
Date

Walter G. [Signature]
Signed

7-17-20
Date



Standard Log Report

Standards Log Information for Standard #257411

WORKING STANDARD

Created By:	PXL	Volume of Standard:	200 mL	Lot ID:	GCSV
Create Date:	07/08/2020	Manufacturer:	N/A	Part ID:	N/A
Expire Date:	09/02/2021	Manufacturer Lot ID:	N/A	Standard ID:	AR1254-SPK

Notes:

PCB 1254 Spk @ 5.0 ug/ml 40GCSB.i\070820SPKVAL.b\A708063 94% Recovery

Compound Name and Concentration for Standard #257411

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	PCB-1254 (Aroclor 1254)	5 ug/mL

Composed of Information for Standard #257411

Composed of Standard Seq	Volume	Units
249919	199	mL
208002	1	mL



Standard Log Report

Standards Log Information for Standard #256952

STOCK STANDARD

Created By:	MRN	Volume of Standard:	200 L	Lot ID:	407350
Create Date:	07/01/2020	Manufacturer:	Honeywell Burdick & Jackson	Part ID:	CS299AC-200
Expire Date:	04/22/2022	Manufacturer Lot ID:	DY867	Standard ID:	RGNT188

Notes:

Methylene Chloride tank changed by MRN 07/1/2020

Compound Name and Concentration for Standard #256952

Compound Name	Concentration	Compound Name	Concentration
Methylene Chloride	ug/mL		



Standard Log Report

Standards Log Information for Standard #256559

STOCK STANDARD

Created By:	ETB	Volume of Standard:	3 kg	Lot ID:	405746
Create Date:	06/25/2020	Manufacturer:	Fisher Scientific	Part ID:	F100-3
Expire Date:	12/16/2021	Manufacturer Lot ID:	198638	Standard ID:	RGNT142

Notes:

Florisol, 60-100 Mesh by ETB
Elute with 180mL Hexane

Compound Name and Concentration for Standard #256559

Compound Name	Concentration	Compound Name	Concentration
Florisol			



Standard Log Report

Standards Log Information for Standard #256400

STOCK STANDARD

Created By:	MRN	Volume of Standard:	5 kg	Lot ID:	406830
Create Date:	06/24/2020	Manufacturer:	JT Baker	Part ID:	3375-09
Expire Date:	12/24/2020	Manufacturer Lot ID:	0000252239	Standard ID:	RGNT301

Notes:

Sodium Sulfate SVOA - baked 6/24/20 from drum 255629

Compound Name and Concentration for Standard #256400

Compound Name	Concentration	Compound Name	Concentration
Sodium Sulfate			



Standard Log Report

Standards Log Information for Standard #255425

STOCK STANDARD

Created By:	ETB	Volume of Standard:	215 L	Lot ID:	407127
Create Date:	06/11/2020	Manufacturer:	J.T. Baker	Part ID:	9262-8P
Expire Date:	03/19/2021	Manufacturer Lot ID:	0000250511	Standard ID:	RGNT150

Notes:

Hexane SVOA TANK Changed by ETB 06/11/20

Compound Name and Concentration for Standard #255425

Compound Name	Concentration	Compound Name	Concentration
Hexanes			



Standard Log Report

Standards Log Information for Standard #254414

WORKING STANDARD

Created By:	ASD	Volume of Standard:	1000 mL	Lot ID:	GCSV
Create Date:	05/29/2020	Manufacturer:	N/A	Part ID:	N/A
Expire Date:	11/29/2020	Manufacturer Lot ID:	N/A	Standard ID:	8081-SS

Notes:

Pest/PCB Surrogate @2.0 ug/mL 40GCS9.i\060120spk.b\A601111 TCMX 97% DCB 96%

Compound Name and Concentration for Standard #254414

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	Decachlorobiphenyl (S)	2 ug/mL
Tetrachloro-m-xylene (S)	2 ug/mL		

Composed of Information for Standard #254414

Composed of Standard Seq	Volume	Units
253989	1	mL
249916	999	mL



Standard Log Report

Standards Log Information for Standard #254174

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-ICV

Notes:

1660 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254174

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.5 ug/mL	PCB-1260 (Aroclor 1260)	.5 ug/mL
Tetrachloro-m-xylene (S)	.05 ug/mL		

Composed of Information for Standard #254174

Composed of Standard Seq	Volume	Units
254034	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254173

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-CAL5

Notes:

1660 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #254173

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.15 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	1 ug/mL	PCB-1260 (Aroclor 1260)	1 ug/mL
Tetrachloro-m-xylene (S)	.15 ug/mL		

Composed of Information for Standard #254173

Composed of Standard Seq	Volume	Units
254029	1	mL
254021	1500	uL
249110	97.5	mL



Standard Log Report

Standards Log Information for Standard #254172

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-CAL4

Notes:

1660 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #254172

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.1 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.8 ug/mL	PCB-1260 (Aroclor 1260)	.8 ug/mL
Tetrachloro-m-xylene (S)	.1 ug/mL		

Composed of Information for Standard #254172

Composed of Standard Seq	Volume	Units
254029	800	uL
254021	1	mL
249110	98.2	mL



Standard Log Report

Standards Log Information for Standard #254171

WORKING STANDARD

Created By:	BDS	Volume of Standard:	200 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-CAL3

Notes:

1660 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254171

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.5 ug/mL	PCB-1260 (Aroclor 1260)	.5 ug/mL
Tetrachloro-m-xylene (S)	.05 ug/mL		

Composed of Information for Standard #254171

Composed of Standard Seq	Volume	Units
254029	1	mL
254021	1	mL
249110	198	mL



Standard Log Report

Standards Log Information for Standard #254170

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-CAL2

Notes:

1660 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #254170

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.02 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.2 ug/mL	PCB-1260 (Aroclor 1260)	.2 ug/mL
Tetrachloro-m-xylene (S)	.02 ug/mL		

Composed of Information for Standard #254170

Composed of Standard Seq	Volume	Units
254029	200	uL
254021	200	uL
249110	99.6	mL



Standard Log Report

Standards Log Information for Standard #254169

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1660-CAL1

Notes:

1660 Cal 1 Std @ 0.05 ug/mL

Compound Name and Concentration for Standard #254169

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.05 ug/mL	PCB-1260 (Aroclor 1260)	.05 ug/mL
Tetrachloro-m-xylene (S)	.01 ug/mL		

Composed of Information for Standard #254169

Composed of Standard Seq	Volume	Units
254029	50	uL
254021	100	uL
249110	99.85	mL



Standard Log Report

Standards Log Information for Standard #254128

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-ICV

Notes:

1254 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254128

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254128

Composed of Standard Seq	Volume	Units
254033	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254127

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-ICV

Notes:

1248 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254127

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254127

Composed of Standard Seq	Volume	Units
254032	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254126

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-ICV

Notes:

1242 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254126

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254126

Composed of Standard Seq	Volume	Units
254031	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254122

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-CAL5

Notes:

1254 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #254122

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.15 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	1 ug/mL	Tetrachloro-m-xylene (S)	.15 ug/mL

Composed of Information for Standard #254122

Composed of Standard Seq	Volume	Units
254026	1000	uL
254021	1500	uL
249110	97.5	mL



Standard Log Report

Standards Log Information for Standard #254121

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-CAL4

Notes:

1254 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #254121

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.1 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.8 ug/mL	Tetrachloro-m-xylene (S)	.1 ug/mL

Composed of Information for Standard #254121

Composed of Standard Seq	Volume	Units
254026	800	uL
254021	1000	uL
249110	98.2	mL



Standard Log Report

Standards Log Information for Standard #254120

WORKING STANDARD

Created By:	BDS	Volume of Standard:	200 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-CAL3

Notes:

1254 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254120

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254120

Composed of Standard Seq	Volume	Units
254026	1000	uL
254021	1000	uL
249110	198	mL



Standard Log Report

Standards Log Information for Standard #254119

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-CAL2

Notes:

1254 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #254119

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.02 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.2 ug/mL	Tetrachloro-m-xylene (S)	.02 ug/mL

Composed of Information for Standard #254119

Composed of Standard Seq	Volume	Units
254026	200	uL
254021	200	uL
249110	99.6	mL



Standard Log Report

Standards Log Information for Standard #254118

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1254-CAL1

Notes:

1254 Cal 1 Std @ 0.05 ug/mL

Compound Name and Concentration for Standard #254118

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.05 ug/mL	Tetrachloro-m-xylene (S)	.01 ug/mL

Composed of Information for Standard #254118

Composed of Standard Seq	Volume	Units
254026	50	uL
254021	100	uL
249110	99.85	mL



Standard Log Report

Standards Log Information for Standard #254116

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-CAL5

Notes:

1248 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #254116

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.15 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	1 ug/mL	Tetrachloro-m-xylene (S)	.15 ug/mL

Composed of Information for Standard #254116

Composed of Standard Seq	Volume	Units
254025	1	mL
254020	1500	uL
249110	97.5	mL



Standard Log Report

Standards Log Information for Standard #254115

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-CAL4

Notes:

1248 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #254115

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.1 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.8 ug/mL	Tetrachloro-m-xylene (S)	.1 ug/mL

Composed of Information for Standard #254115

Composed of Standard Seq	Volume	Units
254025	800	uL
254020	1	mL
249110	98.2	mL



Standard Log Report

Standards Log Information for Standard #254114

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-CAL3

Notes:

1248 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254114

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254114

Composed of Standard Seq	Volume	Units
254025	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254113

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-CAL2

Notes:

1248 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #254113

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.02 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.2 ug/mL	Tetrachloro-m-xylene (S)	.02 ug/mL

Composed of Information for Standard #254113

Composed of Standard Seq	Volume	Units
254025	200	uL
254020	200	uL
249110	99.6	mL



Standard Log Report

Standards Log Information for Standard #254112

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1248-CAL1

Notes:

1248 Cal 1 Std @ 0.05 ug/mL

Compound Name and Concentration for Standard #254112

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.05 ug/mL	Tetrachloro-m-xylene (S)	.01 ug/mL

Composed of Information for Standard #254112

Composed of Standard Seq	Volume	Units
254025	50	uL
254020	100	uL
249110	99.85	mL



Standard Log Report

Standards Log Information for Standard #254110

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-CAL5

Notes:

1242 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #254110

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.15 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	1 ug/mL	PCB-1242 (Aroclor 1242)	1 ug/mL
PCB-1242 (Aroclor 1242)-6	1 ug/mL	PCB-1242 (Aroclor 1242)-7	1 ug/mL
PCB-1242 (Aroclor 1242)-8	1 ug/mL	PCB-1242 (Aroclor 1242)-9	1 ug/mL
Tetrachloro-m-xylene (S)	.15 ug/mL		

Composed of Information for Standard #254110

Composed of Standard Seq	Volume	Units
254024	1000	uL
254020	1500	uL
249110	97.5	mL



Standard Log Report

Standards Log Information for Standard #254109

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-CAL4

Notes:

1242 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #254109

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.1 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	.8 ug/mL	PCB-1242 (Aroclor 1242)	.8 ug/mL
PCB-1242 (Aroclor 1242)-6	.8 ug/mL	PCB-1242 (Aroclor 1242)-7	.8 ug/mL
PCB-1242 (Aroclor 1242)-8	.8 ug/mL	PCB-1242 (Aroclor 1242)-9	.8 ug/mL
Tetrachloro-m-xylene (S)	.1 ug/mL		

Composed of Information for Standard #254109

Composed of Standard Seq	Volume	Units
254024	800	uL
254020	1000	uL
249110	98.2	mL



Standard Log Report

Standards Log Information for Standard #254108

WORKING STANDARD

Created By:	BDS	Volume of Standard:	200 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-CAL3

Notes:

1242 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254108

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	.5 ug/mL	PCB-1242 (Aroclor 1242)	.5 ug/mL
PCB-1242 (Aroclor 1242)-6	.5 ug/mL	PCB-1242 (Aroclor 1242)-7	.5 ug/mL
PCB-1242 (Aroclor 1242)-8	.5 ug/mL	PCB-1242 (Aroclor 1242)-9	.5 ug/mL
Tetrachloro-m-xylene (S)	.05 ug/mL		

Composed of Information for Standard #254108

Composed of Standard Seq	Volume	Units
254024	1000	uL
254020	1000	uL
249110	198	mL



Standard Log Report

Standards Log Information for Standard #254107

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-CAL2

Notes:

1242 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #254107

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.02 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	.2 ug/mL	PCB-1242 (Aroclor 1242)	.2 ug/mL
PCB-1242 (Aroclor 1242)-6	.2 ug/mL	PCB-1242 (Aroclor 1242)-7	.2 ug/mL
PCB-1242 (Aroclor 1242)-8	.2 ug/mL	PCB-1242 (Aroclor 1242)-9	.2 ug/mL
Tetrachloro-m-xylene (S)	.02 ug/mL		

Composed of Information for Standard #254107

Composed of Standard Seq	Volume	Units
254024	200	uL
254020	200	uL
249110	99.6	mL



Standard Log Report

Standards Log Information for Standard #254106

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1242-CAL1

Notes:

1242 Cal 1 Std @ 0.05 ug/mL

Compound Name and Concentration for Standard #254106

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1242 (Aroclor 1242)	.05 ug/mL	PCB-1242 (Aroclor 1242)	.05 ug/mL
PCB-1242 (Aroclor 1242)-6	.05 ug/mL	PCB-1242 (Aroclor 1242)-7	.05 ug/mL
PCB-1242 (Aroclor 1242)-8	.05 ug/mL	PCB-1242 (Aroclor 1242)-9	.05 ug/mL
Tetrachloro-m-xylene (S)	.01 ug/mL		

Composed of Information for Standard #254106

Composed of Standard Seq	Volume	Units
254024	50	uL
254020	100	uL
249110	99.85	mL



Standard Log Report

Standards Log Information for Standard #254104

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1232-CAL3

Notes:

1232 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254104

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1232 (Aroclor 1232)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #254104

Composed of Standard Seq	Volume	Units
254023	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254101

WORKING STANDARD

Created By:	BDS	Volume of Standard:	100 mL	Lot ID:	GCSV
Create Date:	05/28/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	11/28/2020	Manufacturer Lot ID:	N/A	Standard ID:	1221-CAL3

Notes:

1221 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #254101

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	.5 ug/mL	PCB-1221 (Aroclor 1221)-1	.5 ug/mL
PCB-1221 (Aroclor 1221)-2	.5 ug/mL	PCB-1221 (Aroclor 1221)-3	.5 ug/mL
PCB-1221 (Aroclor 1221)-4	.5 ug/mL	PCB-1221 (Aroclor 1221)-5	.5 ug/mL
Tetrachloro-m-xylene (S)	.05 ug/mL		

Composed of Information for Standard #254101

Composed of Standard Seq	Volume	Units
254022	500	uL
254020	500	uL
249110	99	mL



Standard Log Report

Standards Log Information for Standard #254034

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1660-STK

Notes:

1660 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254034

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1016 (Aroclor 1016)	100 ug/mL
PCB-1260 (Aroclor 1260)	100 ug/mL		

Composed of Information for Standard #254034

Composed of Standard Seq	Volume	Units
250583	1	mL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254033

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1254-STK

Notes:

1254 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254033

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1254 (Aroclor 1254)	100 ug/mL

Composed of Information for Standard #254033

Composed of Standard Seq	Volume	Units
250571	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254032

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1248-STK

Notes:

1248 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254032

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1248 (Aroclor 1248)	100 ug/mL

Composed of Information for Standard #254032

Composed of Standard Seq	Volume	Units
250560	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254031

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	O2Si	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1242-STK

Notes:

1242 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254031

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1242 (Aroclor 1242)	100 ug/mL

Composed of Information for Standard #254031

Composed of Standard Seq	Volume	Units
250557	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254029

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1660-STK

Notes:

1660 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254029

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1016 (Aroclor 1016)	100 ug/mL
PCB-1260 (Aroclor 1260)	100 ug/mL		

Composed of Information for Standard #254029

Composed of Standard Seq	Volume	Units
250543	1	mL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254026

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1254-STK

Notes:

1254 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254026

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1254 (Aroclor 1254)	100 ug/mL

Composed of Information for Standard #254026

Composed of Standard Seq	Volume	Units
250533	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254025

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1248-STK

Notes:

1248 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254025

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1248 (Aroclor 1248)	100 ug/mL

Composed of Information for Standard #254025

Composed of Standard Seq	Volume	Units
250530	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254024

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1242-STK

Notes:

1242 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254024

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1242 (Aroclor 1242)	100 ug/mL
PCB-1242 (Aroclor 1242)	100 ug/mL	PCB-1242 (Aroclor 1242)-6	100 ug/mL
PCB-1242 (Aroclor 1242)-7	100 ug/mL	PCB-1242 (Aroclor 1242)-8	100 ug/mL
PCB-1242 (Aroclor 1242)-9	100 ug/mL		

Composed of Information for Standard #254024

Composed of Standard Seq	Volume	Units
250528	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254023

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1232-STK

Notes:

1232 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254023

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1232 (Aroclor 1232)	100 ug/mL

Composed of Information for Standard #254023

Composed of Standard Seq	Volume	Units
250526	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254022

WORKING STANDARD

Created By:	BDS	Volume of Standard:	10 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	1221-STK

Notes:

1221 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #254022

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1221 (Aroclor 1221)	100 ug/mL
PCB-1221 (Aroclor 1221)-1	100 ug/mL	PCB-1221 (Aroclor 1221)-2	100 ug/mL
PCB-1221 (Aroclor 1221)-3	100 ug/mL	PCB-1221 (Aroclor 1221)-4	100 ug/mL
PCB-1221 (Aroclor 1221)-5	100 ug/mL		

Composed of Information for Standard #254022

Composed of Standard Seq	Volume	Units
250524	1000	uL
249110	9	mL



Standard Log Report

Standards Log Information for Standard #254021

WORKING STANDARD

Created By:	BDS	Volume of Standard:	20 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	PEST-SUR

Notes:

Pest/PCB Surr Std @ 10 ug/mL

Compound Name and Concentration for Standard #254021

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	10 ug/mL	Hexanes	ug/mL
Tetrachloro-m-xylene (S)	10 ug/mL		

Composed of Information for Standard #254021

Composed of Standard Seq	Volume	Units
249110	19	mL
241404	1	mL



Standard Log Report

Standards Log Information for Standard #254020

WORKING STANDARD

Created By:	BDS	Volume of Standard:	20 mL	Lot ID:	GCSV
Create Date:	05/27/2020	Manufacturer:	Restek	Part ID:	N/A
Expire Date:	03/19/2021	Manufacturer Lot ID:	N/A	Standard ID:	PEST-SUR

Notes:

Pest/PCB Surr Std @ 10 ug/mL

Compound Name and Concentration for Standard #254020

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	10 ug/mL	Hexanes	ug/mL
Tetrachloro-m-xylene (S)	10 ug/mL		

Composed of Information for Standard #254020

Composed of Standard Seq	Volume	Units
249110	19	mL
241403	1	mL



Standards Log Information for Standard #253989

INDIVIDUAL STANDARD

Created By:	MRN	Volume of Standard:	10 mL	Lot ID:	407279
Create Date:	05/26/2020	Manufacturer:	O2SI	Part ID:	130023-15
Expire Date:	05/29/2021	Manufacturer Lot ID:	411385	Standard ID:	PEST-SUR

Notes:

Pest/PCB Surr @ 2000 ug/mL - opened 5/29/20 ASD

Compound Name and Concentration for Standard #253989

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	2000 ug/mL	Tetrachloro-m-xylene (S)	2000 ug/mL



Standard Log Report

Standards Log Information for Standard #252780

STOCK STANDARD

Created By:	CWN	Volume of Standard:	23 no units	Lot ID:	407240
Create Date:	05/07/2020	Manufacturer:	Starkist tuna in water	Part ID:	N/A
Expire Date:	11/07/2020	Manufacturer Lot ID:	N/A	Standard ID:	RGNT529

Notes:

Prepped Tuna for biota Matrix

Compound Name and Concentration for Standard #252780

Compound Name	Concentration	Compound Name	Concentration
Tuna			



Standard Log Report

Standards Log Information for Standard #250583

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407199
Create Date:	04/03/2020	Manufacturer:	O2SI	Part ID:	130011-03
Expire Date:	03/24/2025	Manufacturer Lot ID:	406115	Standard ID:	1660-STK

Notes:

1016/1260 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250583

Compound Name	Concentration	Compound Name	Concentration
PCB-1016 (Aroclor 1016)	1000 ug/mL	PCB-1260 (Aroclor 1260)	1000 ug/mL



Standard Log Report

Standards Log Information for Standard #250571

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407198
Create Date:	04/03/2020	Manufacturer:	O2SI	Part ID:	030277-06
Expire Date:	09/20/2022	Manufacturer Lot ID:	401378	Standard ID:	1254-STK

Notes:

1254 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250571

Compound Name	Concentration	Compound Name	Concentration
PCB-1254 (Aroclor 1254)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250560

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407186
Create Date:	04/03/2020	Manufacturer:	O2SI	Part ID:	030276-15
Expire Date:	04/24/2021	Manufacturer Lot ID:	342392	Standard ID:	1248-STK

Notes:

1248 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250560

Compound Name	Concentration	Compound Name	Concentration
PCB-1248 (Aroclor 1248)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250557

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407197
Create Date:	04/03/2020	Manufacturer:	O2SI	Part ID:	030275-03
Expire Date:	11/08/2023	Manufacturer Lot ID:	388545	Standard ID:	1242-STK

Notes:

1242 ICV STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250557

Compound Name	Concentration	Compound Name	Concentration
PCB-1242 (Aroclor 1242)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250543

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407195
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32039
Expire Date:	01/31/2026	Manufacturer Lot ID:	A0153495	Standard ID:	1660-STK

Notes:

Ar1660 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250543

Compound Name	Concentration	Compound Name	Concentration
PCB-1016 (Aroclor 1016)	1000 ug/mL	PCB-1260 (Aroclor 1260)	1000 ug/mL



Standard Log Report

Standards Log Information for Standard #250533

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407192
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32011
Expire Date:	11/30/2025	Manufacturer Lot ID:	A0152362	Standard ID:	1254-STK

Notes:

1254 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250533

Compound Name	Concentration	Compound Name	Concentration
PCB-1254 (Aroclor 1254)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250530

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407191
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32010
Expire Date:	06/30/2025	Manufacturer Lot ID:	A0146923	Standard ID:	1248-STK

Notes:

1248 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250530

Compound Name	Concentration	Compound Name	Concentration
PCB-1248 (Aroclor 1248)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250528

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407190
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32009
Expire Date:	12/31/2025	Manufacturer Lot ID:	A0152842	Standard ID:	1242-STK

Notes:

1242 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250528

Compound Name	Concentration	Compound Name	Concentration
PCB-1242 (Aroclor 1242)	1000 ug/mL	PCB-1242 (Aroclor 1242)	1000 ug/mL
PCB-1242 (Aroclor 1242)-6	1000 ug/mL	PCB-1242 (Aroclor 1242)-7	1000 ug/mL
PCB-1242 (Aroclor 1242)-8	1000 ug/mL	PCB-1242 (Aroclor 1242)-9	1000 ug/mL



Standard Log Report

Standards Log Information for Standard #250526

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407189
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32008
Expire Date:	01/31/2026	Manufacturer Lot ID:	A0154078	Standard ID:	1232-STK

Notes:

1232 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250526

Compound Name	Concentration	Compound Name	Concentration
PCB-1232 (Aroclor 1232)	1000 ug/mL		



Standard Log Report

Standards Log Information for Standard #250524

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	407187
Create Date:	04/03/2020	Manufacturer:	Restek	Part ID:	32007
Expire Date:	12/31/2025	Manufacturer Lot ID:	A0152925	Standard ID:	1221-STK

Notes:

1221 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #250524

Compound Name	Concentration	Compound Name	Concentration
PCB-1221 (Aroclor 1221)	1000 ug/mL	PCB-1221 (Aroclor 1221)-1	1000 ug/mL
PCB-1221 (Aroclor 1221)-2	1000 ug/mL	PCB-1221 (Aroclor 1221)-3	1000 ug/mL
PCB-1221 (Aroclor 1221)-4	1000 ug/mL	PCB-1221 (Aroclor 1221)-5	1000 ug/mL



Standard Log Report

Standards Log Information for Standard #249919

STOCK STANDARD

Created By:	MRN	Volume of Standard:	4 L	Lot ID:	407162
Create Date:	03/27/2020	Manufacturer:	Burdick & Jackson	Part ID:	010-4
Expire Date:	01/30/2022	Manufacturer Lot ID:	DY299	Standard ID:	RGNT036

Notes:

Acetone - 4L container

Compound Name and Concentration for Standard #249919

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		



Standard Log Report

Standards Log Information for Standard #249916

STOCK STANDARD

Created By:	MRN	Volume of Standard:	4 L	Lot ID:	407162
Create Date:	03/27/2020	Manufacturer:	Burdick & Jackson	Part ID:	010-4
Expire Date:	01/30/2022	Manufacturer Lot ID:	DY299	Standard ID:	RGNT036

Notes:

Acetone - 4L container

Compound Name and Concentration for Standard #249916

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		



Standard Log Report

Standards Log Information for Standard #249110

STOCK STANDARD

Created By:	ASD	Volume of Standard:	215 L	Lot ID:	407127
Create Date:	03/17/2020	Manufacturer:	J.T. Baker	Part ID:	9262-8P
Expire Date:	03/19/2021	Manufacturer Lot ID:	0000249545	Standard ID:	RGNT150

Notes:

Hexane SVOA TANK Changed by ASD 3/17/20

Compound Name and Concentration for Standard #249110

Compound Name	Concentration	Compound Name	Concentration
Hexanes			



Standard Log Report

Standards Log Information for Standard #241404

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	406917
Create Date:	12/02/2019	Manufacturer:	Restek	Part ID:	32000
Expire Date:	10/31/2025	Manufacturer Lot ID:	A0150871	Standard ID:	PEST-SUR

Notes:

Pest/PCB Surr @ 200 ug/mL

Compound Name and Concentration for Standard #241404

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	200 ug/mL	Tetrachloro-m-xylene (S)	200 ug/mL



Standard Log Report

Standards Log Information for Standard #241403

INDIVIDUAL STANDARD

Created By:	BDS	Volume of Standard:	1 mL	Lot ID:	406917
Create Date:	12/02/2019	Manufacturer:	Restek	Part ID:	32000
Expire Date:	10/31/2025	Manufacturer Lot ID:	A0150871	Standard ID:	PEST-SUR

Notes:

Pest/PCB Surr @ 200 ug/mL

Compound Name and Concentration for Standard #241403

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	200 ug/mL	Tetrachloro-m-xylene (S)	200 ug/mL



Standard Log Report

Standards Log Information for Standard #240840

STOCK STANDARD

Created By:	MRN	Volume of Standard:	2.5 L	Lot ID:	406901
Create Date:	11/21/2019	Manufacturer:	J.T. Baker	Part ID:	9681-33
Expire Date:	06/26/2024	Manufacturer Lot ID:	0000238845	Standard ID:	RGNT374

Notes:

Sulfuric Acid - SVOA

Compound Name and Concentration for Standard #240840

Compound Name	Concentration	Compound Name	Concentration
Sulfuric Acid -	ug/mL		



Standard Log Report

Standards Log Information for Standard #208002

INDIVIDUAL STANDARD

Created By:	MRN	Volume of Standard:	1 mL	Lot ID:	406165
Create Date:	10/08/2018	Manufacturer:	O2SI	Part ID:	030277-06-5PAK
Expire Date:	09/02/2021	Manufacturer Lot ID:	327157	Standard ID:	1254-STK

Notes:

1254 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #208002

Compound Name	Concentration	Compound Name	Concentration
PCB-1254 (Aroclor 1254)	1000 ug/mL		



Quality System Audited & Registered
by NSF-ISR to ISO 9001:2008

406165

REC. 09/26/18 BY MRN
Exp. ---/---/--- By ---
Open ---/---/--- By ---

2030 Savage Road
Charleston, South Carolina 29407
Phone: 866.272.0932
Fax: 866.509.5146
www.o2si.com



ISO 17025 Accredited Chemical Testing Lab
Cert. No. 3031.01

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030277-06	327157	≤ Ambient	Hexane	2-Sep-2021	Aroclor 1254 Solution, 1,000 mg/L, 5 x 1 ml
-5PAK					

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
Aroclor 1254	11097-69-1	100	277.64P	1000 +/- 2.82 mg/L

Certified By: _____

Amanda Frazier

Amanda Frazier

Manufacture Date 2-Nov-2017

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.

This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025

All weights are traceable through N. I. S. T. Test No. 822/264157-00.

Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

Sodium Sulfate, Anhydrous, Granular (12-60 Mesh)
ULTRA RESI-ANALYZED®, ACS Reagent
Tested for Hexane Extractable Impurities
Suitable for Use in Pesticide Residue Analysis



406830
REC. 10/08/19 BY MRN
Exp. ---/---/--- BY ---
Open ---/---/--- BY ---

Material No.: 3375-09
Batch No.: 0000238269
Manufactured Date: 2019/04/24
Retest Date: 2024/04/22
Revision No: 1

Certificate of Analysis

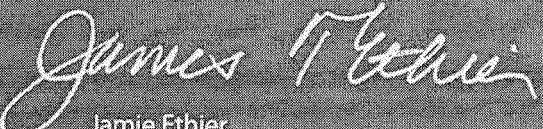
Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS - Assay (Na ₂ SO ₄)	>= 99.0 %	99.6
ACS - Insoluble Matter	<= 0.01 %	< 0.01
ACS - Loss on Ignition	<= 0.5 %	0.1
ACS - pH of 5% Solution at 25°C	5.2 - 9.2	5.9
ACS - Chloride (Cl)	<= 0.001 %	< 0.001
ACS - Phosphate (PO ₄)	<= 0.001 %	< 0.001
ACS - Calcium (Ca)	<= 0.01 %	0.01
ACS - Iron (Fe)	<= 0.001 %	< 0.001
ACS - Magnesium (Mg)	<= 0.005 %	0.001
ACS - Potassium (K)	<= 0.01 %	< 0.01
ACS - Extraction-Concentration Suitability *	Passes Test	PT
ACS - Heavy Metals (as Pb)	<= 5 ppm	< 5
Nitrogen Compounds (as N)	<= 5 ppm	< 5

For Laboratory, Research or Manufacturing Use

* Result obtained on a sample dried at 400°C for one hour (ACS method)

Country of Origin: MX
Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Sulfuric Acid
BAKER ANALYZED® A.C.S. Reagent



406901
REC. 11/21/19 BY MRI
Exp. ---/---/--- Bv ---
Open ---/---/--- Bv ---

Material No.: 9681-33
Batch No.: 0000238845
Manufactured Date: 2019/06/28
Retest Date: 2024/06/26
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.5
Appearance	Passes Test	PT
Color (APHA)	<= 10	5
Specific Gravity at 60°/60°F	>= 1.84	1.85
Residue after Ignition	<= 4 ppm	< 1
Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.004 ppm	< 0.002
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.5 ppm	0.1
Trace Impurities – Aluminum (Al)	<= 200.0 ppb	< 5.0
Trace Impurities – Calcium (Ca)	<= 200.0 ppb	2.9
Trace Impurities – Chromium (Cr)	<= 100.0 ppb	2.9
Trace Impurities – Copper (Cu)	<= 100.0 ppb	< 1.0
Trace Impurities – Gold (Au)	<= 100.0 ppb	< 5.0
Heavy Metals (as Pb)	<= 500 ppb	< 100
Trace Impurities – Iron (Fe)	<= 200.0 ppb	9.3
Trace Impurities – Lead (Pb)	<= 200.0 ppb	< 1.0
Trace Impurities – Magnesium (Mg)	<= 200.0 ppb	< 1.0
Trace Impurities – Manganese (Mn)	<= 100.0 ppb	< 1.0
Trace Impurities – Mercury (Hg)	<= 5.0 ppb	< 0.1
Trace Impurities – Nickel (Ni)	<= 200.0 ppb	< 5.0
Trace Impurities – Potassium (K)	<= 300.0 ppb	< 10.0
Trace Impurities – Sodium (Na)	<= 300.0 ppb	< 5.0

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9681-33
Batch No.: 0000238845

Test	Specification	Result
Trace Impurities - Tin (Sn)	<= 200.0 ppb	< 10.0
Trace Impurities - Titanium (Ti)	<= 200.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 200.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871
Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2025 **Storage:** 10°C or colder
Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	199.9 µg/mL	+/- 1.1650 µg/mL Gravimetric +/- 6.3347 µg/mL Unstressed +/- 8.2761 µg/mL Stressed
2	Decachlorobiphenyl (BZ# 209) CAS # 2051-24-3 (Lot ER071509-01) Purity 99%	200.1 µg/mL	+/- 1.1661 µg/mL Gravimetric +/- 6.3404 µg/mL Unstressed +/- 8.2836 µg/mL Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

406917

REC. 11/27/19 BY BDS
Exp. ___/___/___ By ___
Open ___/___/___ By ___

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

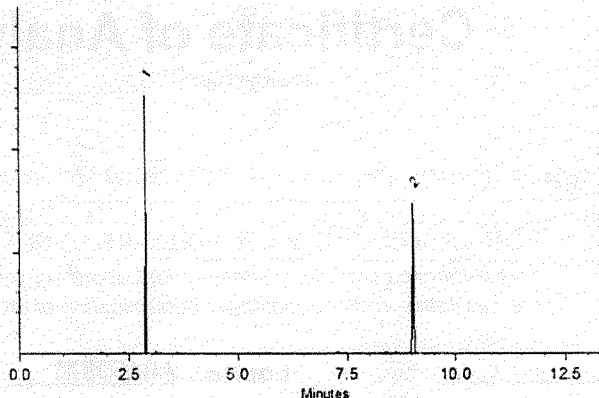
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jessica McClenahan - Operations Technician I

Date Mixed: 16-Jul-2019

Balance: 1128360905

Justine Albertson - Operations Tech-ASTM QC

Date Passed: 18-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Hexanes (95% n-hexane)
ULTRA RESI-ANALYZED
For Organic Residue Analysis

Avantor™



407127

REC. 03/17/20 BY ASC
EXP. ---/---/--- BV ---
Open ---/---/--- BV ---

249110

RGNT150
LOT 407127
EXP 19-MAR-21

Material No.: 9262-8P
Batch No.: 0000249545
Manufactured Date: 2019/12/19
Expiration Date: 2021/03/19
Revision No: 1

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	5
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	<= 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	>= 99.5 %	99.7
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	98
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.3
Substances Darkened by H ₂ SO ₄	Passes Test	PT
Water (by KF, coulometric)	<= 0.05 %	< 0.01

For Laboratory, Research or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

407162

REC. 03/27/20 BY MRI
Exp. ___/___/___ By ___
Open ___/___/___ By ___**Honeywell**

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®

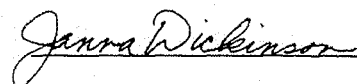
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand: Research Chemicals - B&J
Product: 010
Lot No.: DY299
Production Date: 31-Jan-2020
Best Before: 30-Jan-2022

Acetone, B&J Brand™, >99.9%
for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification		Result	Units
	Min.	Max.		
Water by Karl Fischer Titration		0.50	0.29	%
UV Cutoff		330	328	nm
Refractive Index (20°C)	1.3583	1.3589	1.3586	
Residue		1	<0.5	mg/L
GC Analysis (excluding water)	99.9		99.98	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0465	AU
UV Absorbance @ 350 nm		0.010	0.0024	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval



Muskegon 2/3/2020 LIMS Sample No.: AL00344

Date Received: _____

Certificate of Analysis

Rev 2

Page 1 of 1

Catalog No.: 030276-15
Lot No.: 342392
Storage: ≤ Ambient

Solvent:
Hexane

Exp. Date: 24-Apr-2021
Description: Aroclor 1248 Solution, 1,000 mg/L, 1 mL

Compound

Aroclor 1248

CAS No.	Purity (%)	Neat Material Lot No.	Concentration
12672-29-6	100	276.3.1P	1000 ± 17.33 mg/L

407186
REC. 04/03/20 BY BDS
Exp. ---/---/--- By ---
Open ---/---/--- By ---

Jennifer Hasty

Certified By: _____

Jennifer Hasty
Manufacture Date 20-Apr-2018

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.
This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32007 Lot No.: A0152925
Description: Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: December 31, 2025 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221 CAS # 11104-28-2 (Lot 8041300) Purity —%	1,000.0 µg/mL	+/- 5.9397 µg/mL Gravimetric +/- 31.7072 µg/mL Unstressed +/- 41.4130 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407187
REC. 03/25/20 BY BDS
EXP. ---/---/--- BY ---
OPEN ---/---/--- BY ---

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

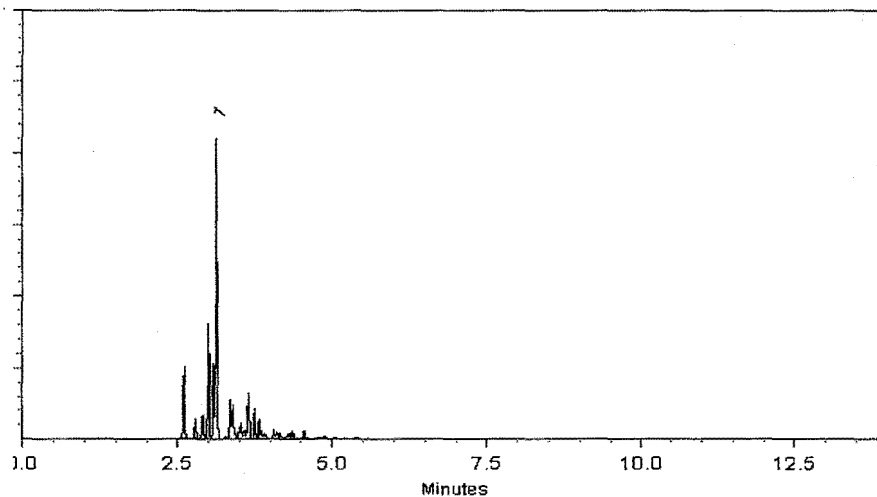
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jessica McClenahan - Operations Technician I

Date Mixed: 16-Sep-2019

Balance: 1128360905

Date Passed: 19-Sep-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 Lot No.: A0154078
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2026 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,000.0 µg/mL	+/- 5.9397 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot A7080363-01)		+/- 31.7072 µg/mL Unstressed
	Purity —%		+/- 41.4130 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407189
REC. 03/25/20 BY BDS
Exp. —/—/— By —
Open —/—/— By —

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

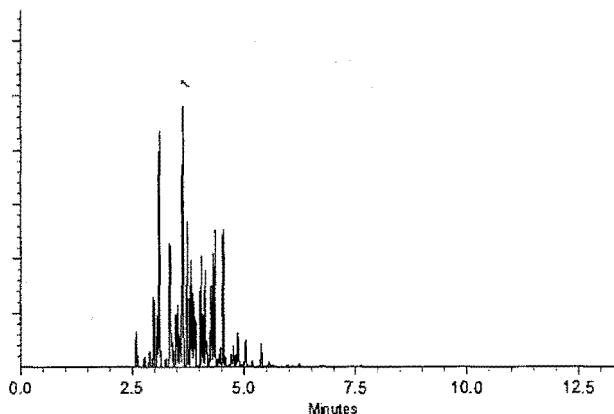
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jessica McClenahan - Operations Technician I

Date Mixed: 18-Oct-2019

Balance: 1128360905

Justine Albertson - Operations Tech-ARM OC

Date Passed: 22-Oct-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 Lot No.: A0152842
Description : Aroclor® 1242 Standard
Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : December 31, 2025 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1242 CAS # 53469-21-9 (Lot 01141-A) Purity ---%	1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric	
			+/- 31.7284	µg/mL	Unstressed	
			+/- 41.4406	µg/mL	Stressed	

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407190
REC. 03/25/20 BY B05
Exp. ---/---/--- Bv ---
Oper. ---/---/--- Bv ---

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

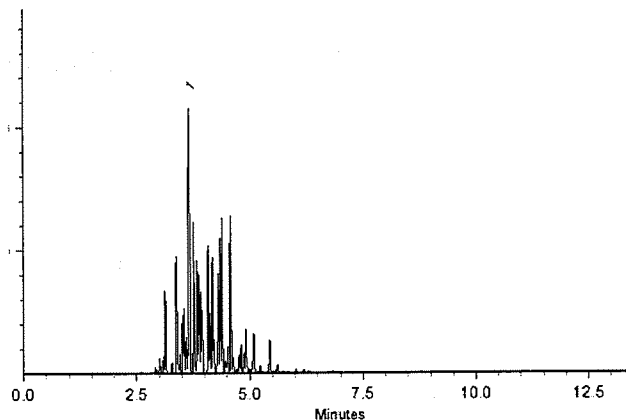
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 12-Sep-2019

Balance: B442140311

Justine Albertson
Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Sep-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 Lot No.: A0146923
Description : Aroclor® 1248 Standard
Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : June 30, 2025 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1248	1,000.0 µg/mL	+/- 5.8686	µg/mL	Gravimetric	
	CAS # 12672-29-6 (Lot W-108-07)		+/- 31.6940	µg/mL	Unstressed	
	Purity —%		+/- 41.4029	µg/mL	Stressed	

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407191

REC. 03/25/20 BY BDS
Exp. --/--/-- BV --
Ogen --/--/-- BV --

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

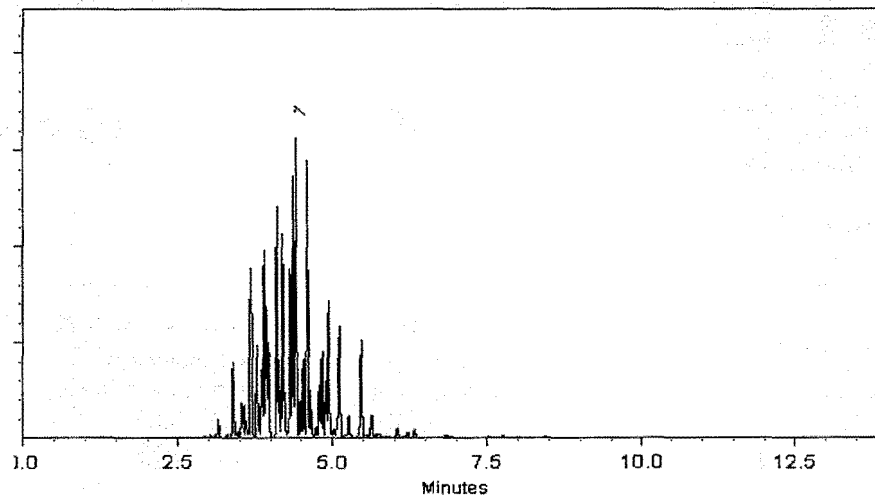
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Mar-2019

Balance: 1128360905

Jennifer I. Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 13-Mar-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
Tel: (800)356-1688
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32011 Lot No.: A0152362
Description: Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: November 30, 2025 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1254	1,002.8 µg/mL	+/- 5.8850	µg/mL	Gravimetric	
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7827	µg/mL	Unstressed	
	Purity ---%		+/- 41.5188	µg/mL	Stressed	

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407192

REC. 03/25/20 BY BDS
Exp. ---/---/--- By ---
Open ---/---/--- By ---

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

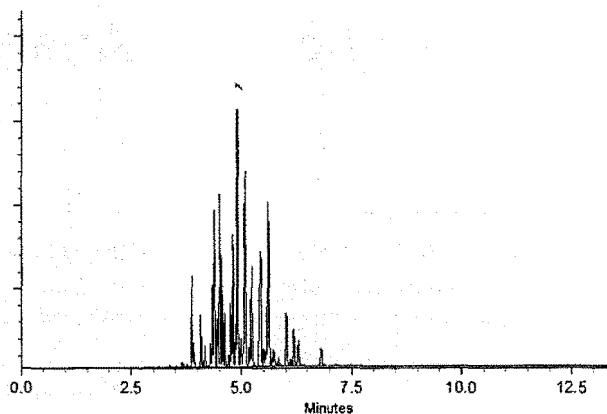
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 28-Aug-2019

Balance: 1128360905

Justin Albertson
Justin Albertson - Operations Tech-ARM QC

Date Passed: 30-Aug-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



ISO 17834 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 Lot No.: A0153495
Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2026 Storage: 25°C nominal
Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1016	1,000.3 µg/mL	+/-	5.8705	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 978430)		+/-	31.7045	µg/mL	Unstressed
	Purity ---%		+/-	41.4167	µg/mL	Stressed
2	Aroclor 1260	1,005.0 µg/mL	+/-	5.8979	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 855895)		+/-	31.8524	µg/mL	Unstressed
	Purity ---%		+/-	41.6099	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

407195
REC. 03/25/20 BY BDS
Exp. ---/---/--- By ---
Open ---/---/--- By ---

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

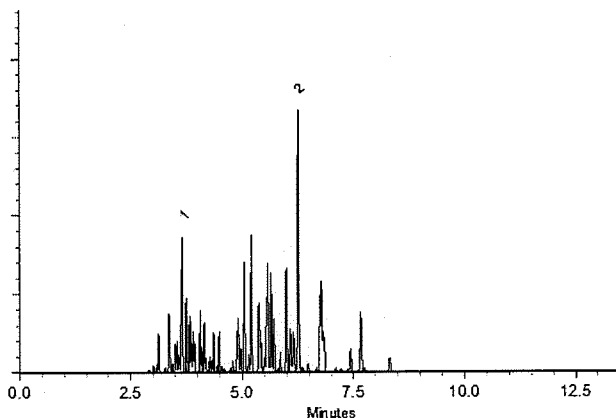
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

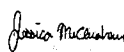
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Jessica McClenahan - Operations Technician I

Date Mixed: 01-Oct-2019

Balance: 1128360905


Justine Albertain - Operations Tech-ARM QC

Date Passed: 08-Oct-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.: 030275-03 **Lot No.:** 388545 **Storage:** ≤ Ambient **Solvent:** Hexane

Exp. Date: 8-Nov-2023 **Description:** Aroclor 1242 Solution, 1,000 mg/L, 1 mL

Compound

Aroclor 1242

CAS No.	Purity (%)	Neat Material Lot No.	Concentration
53469-21-9	100	275.3.9P	998 ± 5.73 mg/L

407197
REC. 03/27/20 BY BDS
Exp. ___/___/___ By ___
Open ___/___/___ By ___

Erica Castiglione

Certified By: _____

Erica Castiglione
Manufacture Date 30-Sep-2019

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.
This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

Certificate of Analysis

Page 2 of 1

Catalog No.: 030275-03

Lot No.: 388545

Expiration Date: 8-Nov-2023

Compound

CAS No.

Purity (%)

Neat Material Lot No.

Concentration

Erica Castiglione

Certified By: _____

Erica Castiglione

Manufacture Date 30-Sep-2019

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.

This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00.

Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.: 030277-06
Lot No.: 401378
Storage: ≤ Ambient

Solvent:
Hexane

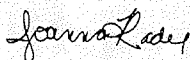
Exp. Date: 20-Sep-2022
Description: Aroclor 1254 Solution, 1,000 mg/L, 1 mL

Compound

Aroclor 1254

CAS No.	Purity (%)	Neat Material Lot No.	Concentration
11097-69-1	100	277.3.7P	996 ± 23.14 mg/L

407198
REC. 04/03/20 BY BDS
Exp. --/--/-- By --
Open --/--/-- By --



Certified By: _____

Joanna Radu
Manufacture Date 16-Sep-2019

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.
This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.: 130011-03
Lot No.: 406115
Storage: ≤ Ambient

Solvent:
Hexane

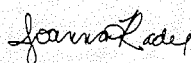
Exp. Date: 24-Mar-2025
Description: Aroclor 1016 + 1260 Solution, 1,000 mg/L, 1 mL

Compound

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
Aroclor 1016	12674-11-2	100	272.5.1.7P	1008 ± 3.01 mg/L
Aroclor 1260	11096-82-5	100	278.421.1.1P	1002 ± 10.41 mg/L

407199

REC. 04/03/20 BY BDS
Exp. ___/___/___ BV ___
Open ___/___/___ BV ___



Certified By: _____

Joanna Radu
Manufacture Date 25-Mar-2020

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.
This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
130023-15	411385	≤ 6 °C	Tol.:Hex. 1:1	8-Jun-2021	Pesticide Surrogate Solution, 2,000 mg/L, 10 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
decachlorobiphenyl (BZ# 209)	2051-24-3	99.1	301.5.4.1P	2002 ± 5.97 mg/L
2,4,5,6-tetrachloro-m-xylene	877-09-8	98.8	300.421.2P	2000 ± 11.47 mg/L

Certified By: _____

Erica Castiglione

Erica Castiglione

Manufacture Date 19-May-2020

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling.

This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

407350
REC 06/19/20 BY MRN
Exp. ---/---/--- BY ---
Open ---/---/--- BY ---

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®

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Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand: Research Chemicals - B&J
Product: CS299AC-200
Lot No.: DY867
Production Date: 22-Apr-2020
Best Before: 22-Apr-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%

Parameter	Specification		Result	Units
	Min.	Max.		
Water by Karl Fischer Titration		0.010	0.0014	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4243	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0886	AU
UV Absorbance @ 250 nm		0.010	0.0084	AU
UV Absorbance @ 300 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 4/23/2020 LIMS Sample No.: AL01248

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-146

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	7.0		%	1	07/13/2020 13:06

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-147

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.2		%	1	07/13/2020 13:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-148

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	6.0		%	1	07/13/2020 13:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-243

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	7.5		%	1	07/13/2020 13:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-244

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.9		%	1	07/13/2020 13:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-245

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	6.5		%	1	07/13/2020 13:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-342

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	4.4		%	1	07/13/2020 13:08

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-343

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	6.5		%	1	07/13/2020 13:08

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-344

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774009 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.3		%	1	07/13/2020 13:08

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-440

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774010 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	4.6		%	1	07/13/2020 13:08

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-441

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774011 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.5		%	1	07/13/2020 13:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-442

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774012 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	4.9		%	1	07/13/2020 13:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-546

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774013 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	7.1		%	1	07/13/2020 13:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-547

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774014 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.3		%	1	07/13/2020 13:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PAS-BS-548

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLING
Lab Sample ID: 40209774015 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	5.0		%	1	07/13/2020 13:09

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract : PAS BIOTA SAMPLING

Method Blank Matrix: Tissue Instrument ID: 40BALS

Method Blank Concentration Units: %

Analyte	Initial Calibration Blank		Continuing Calibration Blank								Method Blank	
		C		C		C		C		C	2081876	C
Lipid											0.41	

SAMPLE NO.

FORM VI INORGANIC-1
DUPLICATES

2081877DUP

Lab Name: Pace Analytical - Green Bay SDG No. : 40209774 Contract: PAS BIOTA SAMPLINGMatrix: Tissue Concentration Units: %Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Lipid	20	5.2	5.3	2



Prep Log Report

Batch Information: ARCADIS 40209774 358231

Template Version: F-GB-O-161-Rev.00 (29May2019)

Prep Method	
Prep Date Date/Time	06/22/2020 08:16:15:182
Batch Notes	

Prepared By	CWN
Instrument	40BALR

Thaw Date/Time	06/22/2020 04:16:13:166
Reviewed By	CAH

Thaw Location	Room Temp
Reviewed By Date	06/22/2020 14:33

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Tissue Type	Nitrogen	Skin/Scale Prep	Portion	Picture Taken?	Total Weight (g)	Organs Intact?	Gender	Fillet Weight (g)	Fillet Selected	Picture Taken?
TISSUE_P	PS	40209774001	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	RQS	40209774002	Y	FISH	Yes	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774003	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774004	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774005	Y	FISH	Yes	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774006	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774007	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774008	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774009	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774010	Y	FISH	Yes	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774011	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774012	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774013	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774014	Y	FISH	Yes	NA	Whole Body	NA	0	NA	NA	0	NA	NA
TISSUE_P	PS	40209774015	Y	FISH	No	NA	Whole Body	NA	0	NA	NA	0	NA	NA

QC Rule	Sample Type	Lab Sample ID	Container Type	Container Lot #	# of Containers	Picture Taken?	Homogenized Weight (g)	Process Method	Sample Notes
TISSUE_P	PS	40209774001	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	RQS	40209774002	4oz Amber Glass	G-9-308-03DB	1	NA	0	Blender	

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Container Type	Container Lot #	# of Containers	Picture Taken?	Homogenized Weight (g)	Process Method	Sample Notes
TISSUE_P	PS	40209774003	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774004	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774005	4oz Amber Glass	G-9-308-03DB	1	NA	0	Blender	
TISSUE_P	PS	40209774006	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774007	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774008	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774009	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774010	4oz Amber Glass	G-9-308-03DB	1	NA	0	Blender	
TISSUE_P	PS	40209774011	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774012	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774013	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	
TISSUE_P	PS	40209774014	4oz Amber Glass	G-9-308-03DB	1	NA	0	Blender	
TISSUE_P	PS	40209774015	4oz Amber Glass	G-9-308-03DB	1	NA	0	Hand Diced	



Prep Log Report

Batch Information: OEXT 360018 LIPIDS

Template Version: F-GB-O-145-Rev.01 (22Mar2018) LIPID

Analysis Method	Pace Lipid	Analyzed By	ETB	Instrument	40BALS	Batch Notes	
Reviewed By	CAH	Reviewed By Date	07/14/2020 13:02				

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Lipid % Posted	Run Date/Time	ID	Sample Weight (g)	Sample Volume (mL)	Aliquot (mL)	Dish Weight (g)	Dry Weight 1 (g)	Dry Wt Use 1	Sample Notes
LIPID	BLANK	2081876	Y	0.4146	07/13/2020 13:06:39		20.0173	10	1	0.9278	0.9361	M	2080285
LIPID	PS	40209774001	Y	6.951	07/13/2020 13:06:52		20.039	10	1	0.9332	1.0725	M	
LIPID	RQS	40209774002	Y	5.191	07/13/2020 13:07:02		11.6537	10	1	0.9279	0.9884	M	
LIPID	DUP	2081877	Y	5.272	07/13/2020 13:07:13		11.6647	10	1	0.9222	0.9837	M	2080287
LIPID	PS	40209774003	Y	5.976	07/13/2020 13:07:24		14.9083	10	1	0.9266	1.0157	M	
LIPID	PS	40209774004	Y	7.492	07/13/2020 13:07:35		12.8931	10	1	0.9307	1.0273	M	
LIPID	PS	40209774005	Y	5.869	07/13/2020 13:07:46		20.0193	10	1	0.9327	1.0502	M	
LIPID	PS	40209774006	Y	6.548	07/13/2020 13:07:56		17.7755	10	1	0.9308	1.0472	M	
LIPID	PS	40209774007	Y	4.391	07/13/2020 13:08:07		9.3818	10	1	0.9287	0.9699	M	
LIPID	PS	40209774008	Y	6.520	07/13/2020 13:08:26		10.4147	10	1	0.9314	0.9993	M	
LIPID	PS	40209774009	Y	5.296	07/13/2020 13:08:42		6.5519	10	1	0.9287	0.9634	M	
LIPID	PS	40209774010	Y	4.613	07/13/2020 13:08:53		20.0084	10	1	0.9304	1.0227	M	
LIPID	PS	40209774011	Y	5.519	07/13/2020 13:09:06		18.8068	10	1	0.9229	1.0267	M	
LIPID	PS	40209774012	Y	4.881	07/13/2020 13:09:16		13.3999	10	1	0.9243	0.9897	M	
LIPID	PS	40209774013	Y	7.103	07/13/2020 13:09:27		18.5411	10	1	0.9253	1.057	M	
LIPID	PS	40209774014	Y	5.298	07/13/2020 13:09:37		17.9109	10	1	0.9269	1.0218	M	
LIPID	PS	40209774015	Y	5.015	07/13/2020 13:09:47		13.0611	10	1	0.9305	0.996	M	