Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40151549

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 03, 2018

Jim Ryan
Anchor QEA
290 Elwood Davis Road
Suite 340
Liverpool, NY 13088

RE: Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Dear Jim Ryan:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Tod Noltemeyer

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

Enclosures

cc: David Blye, Environmental Standards Inc.
Mark Meyers, Anchor QEA, LLC
Meg Michell, Environmental Standards Inc.

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CERTIFICATIONS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Green Bay Certification IDs

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: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40151549001	**TD5-170612-01-YB-01**	Tissue	06/12/17 15:28	06/13/17 09:30
40151549002	**TD5-170612-01-BB-09**	Tissue	06/12/17 15:33	06/13/17 09:30
40151549003	**TD5-170612-01-BB-08**	Tissue	06/12/17 15:31	06/13/17 09:30
40151549004	**TD5-170612-01-BB-07**	Tissue	06/12/17 15:26	06/13/17 09:30
40151549005	**TD5-170612-01-BB-06**	Tissue	06/12/17 15:24	06/13/17 09:30
40151549006	**TD5-170612-01-BB-05**	Tissue	06/12/17 15:22	06/13/17 09:30
40151549007	**TD5-170612-01-BB-04**	Tissue	06/12/17 15:20	06/13/17 09:30
40151549008	**TD5-170612-01-BB-03**	Tissue	06/12/17 15:17	06/13/17 09:30
40151549009	**TD5-170612-01-BB-02**	Tissue	06/12/17 15:14	06/13/17 09:30

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SAMPLE ANALYTE COUNT

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40151549001	**TD5-170612-01-YB-01**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	ETB	1
40151549002	**TD5-170612-01-BB-09**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549003	**TD5-170612-01-BB-08**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549004	**TD5-170612-01-BB-07**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549005	**TD5-170612-01-BB-06**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549006	**TD5-170612-01-BB-05**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549007	**TD5-170612-01-BB-04**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549008	**TD5-170612-01-BB-03**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40151549009	**TD5-170612-01-BB-02**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1

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PROJECT NARRATIVE

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Method: **EPA 8082A Mod**
Description: 8082A Modified GCT PCB
Client: General Electric
Date: May 03, 2018

General Information:
9 samples were analyzed for EPA 8082A Mod. 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 3541 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.

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.

QC Batch: 283116

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40151552010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1658256)
  - PCB-1242 (Aroclor 1242)

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

Additional Comments:

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PROJECT NARRATIVE

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Method: **EPA 8082A Mod**
Description: 8082A Modified GCT PCB
Client: General Electric
Date: May 03, 2018

Analyte Comments:

QC Batch: 283116

1q: Sample was re-analyzed due to incorrect dilution.

- TD5-170612-01-BB-04 (Lab ID: 40151549007)
  - PCB-1016 (Aroclor 1016)
- TD5-170612-01-BB-07 (Lab ID: 40151549004)
  - PCB-1016 (Aroclor 1016)
- TD5-170612-01-BB-08 (Lab ID: 40151549003)
  - PCB-1016 (Aroclor 1016)

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PROJECT NARRATIVE

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Method: **Pace Gender Typing**
Description: Fish Gender Typing
Client: General Electric
Date: May 03, 2018

General Information:
9 samples were analyzed for Pace Gender Typing. 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.

Additional Comments:

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PROJECT NARRATIVE

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Method: **Pace Lipid**
Description: Lipid
Client: General Electric
Date: May 03, 2018

General Information:
9 samples were analyzed for Pace Lipid. 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.

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-YB-01 **Lab ID: 40151549001** Collected: 06/12/17 15:28 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.2**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.2**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.2**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.2**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**452**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**390**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**147J**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	11096-82-5	
PCB, Total	**988**	ug/kg	150	34.2	3	03/28/18 08:09	03/30/18 18:10	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	60-140		3	03/28/18 08:09	03/30/18 18:10	877-09-8	
Decachlorobiphenyl (S)	98	%	60-140		3	03/28/18 08:09	03/30/18 18:10	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.86**	%	0.030	0.030	1		03/29/18 07:08		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-09 **Lab ID: 40151549002** Collected: 06/12/17 15:33 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<11.4**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**280**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**154**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**96.5**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	11096-82-5	
PCB, Total	**530**	ug/kg	50.1	11.4	1	03/13/18 07:38	03/14/18 14:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	60-140		1	03/13/18 07:38	03/14/18 14:31	877-09-8	
Decachlorobiphenyl (S)	91	%	60-140		1	03/13/18 07:38	03/14/18 14:31	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.72**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-08 **Lab ID: 40151549003** Collected: 06/12/17 15:31 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<22.8**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	12674-11-2	1q
PCB-1221 (Aroclor 1221)	**<22.8**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.8**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.8**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**475**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**277**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**77.4J**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	11096-82-5	
PCB, Total	**829**	ug/kg	100	22.8	2	03/13/18 07:38	03/20/18 15:10	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	60-140		2	03/13/18 07:38	03/20/18 15:10	877-09-8	
Decachlorobiphenyl (S)	89	%	60-140		2	03/13/18 07:38	03/20/18 15:10	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**1.4**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-07 **Lab ID: 40151549004** Collected: 06/12/17 15:26 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	12674-11-2	1q
PCB-1221 (Aroclor 1221)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	53469-21-9	
PCB-1248 (Aroclor 1248)	**381**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**347**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**153**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	11096-82-5	
PCB, Total	**880**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/20/18 15:26	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	60-140		2	03/13/18 07:38	03/20/18 15:26	877-09-8	
Decachlorobiphenyl (S)	94	%	60-140		2	03/13/18 07:38	03/20/18 15:26	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Male**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**1.2**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-06 **Lab ID: 40151549005** Collected: 06/12/17 15:24 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<57.0**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<57.0**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<57.0**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<57.0**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**1400**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**906**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**297**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	11096-82-5	
PCB, Total	**2600**	ug/kg	250	57.0	5	03/13/18 07:38	03/14/18 15:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	97	%	60-140		5	03/13/18 07:38	03/14/18 15:19	877-09-8	
Decachlorobiphenyl (S)	106	%	60-140		5	03/13/18 07:38	03/14/18 15:19	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**1.2**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-05 **Lab ID: 40151549006** Collected: 06/12/17 15:22 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.8**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**381**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**235**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**180**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	11096-82-5	
PCB, Total	**796**	ug/kg	99.9	22.8	2	03/13/18 07:38	03/14/18 15:35	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	60-140		2	03/13/18 07:38	03/14/18 15:35	877-09-8	
Decachlorobiphenyl (S)	97	%	60-140		2	03/13/18 07:38	03/14/18 15:35	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.67**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-04 **Lab ID: 40151549007** Collected: 06/12/17 15:20 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<45.6**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	12674-11-2	1q
PCB-1221 (Aroclor 1221)	**<45.6**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	11104-28-2	
PCB-1232 (Aroclor 1232)	**<45.6**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	11141-16-5	
PCB-1242 (Aroclor 1242)	**<45.6**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	53469-21-9	
PCB-1248 (Aroclor 1248)	**840**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**741**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**315**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	11096-82-5	
PCB, Total	**1900**	ug/kg	200	45.6	4	03/13/18 07:38	03/27/18 14:26	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	96	%	60-140		4	03/13/18 07:38	03/27/18 14:26	877-09-8	
Decachlorobiphenyl (S)	105	%	60-140		4	03/13/18 07:38	03/27/18 14:26	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.71**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-03 **Lab ID: 40151549008** Collected: 06/12/17 15:17 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<22.8**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.8**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.8**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.8**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	53469-21-9	
PCB-1248 (Aroclor 1248)	**414**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	12672-29-6	
PCB-1254 (Aroclor 1254)	**317**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	11097-69-1	
PCB-1260 (Aroclor 1260)	**110**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	11096-82-5	
PCB, Total	**842**	ug/kg	99.8	22.8	2	03/13/18 07:38	03/14/18 16:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	60-140		2	03/13/18 07:38	03/14/18 16:06	877-09-8	
Decachlorobiphenyl (S)	94	%	60-140		2	03/13/18 07:38	03/14/18 16:06	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:12		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.95**	%	0.030	0.030	1		03/14/18 06:49		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Sample: TD5-170612-01-BB-02 **Lab ID: 40151549009** Collected: 06/12/17 15:14 Received: 06/13/17 09:30 Matrix: Tissue

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A Modified GCT PCB	Analytical Method: EPA 8082A Mod Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<11.4**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	53469-21-9	
PCB-1248 (Aroclor 1248)	**192**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	12672-29-6	
PCB-1254 (Aroclor 1254)	**99.2**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	11097-69-1	
PCB-1260 (Aroclor 1260)	**23.4J**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	11096-82-5	
PCB, Total	**315**	ug/kg	50.0	11.4	1	03/13/18 07:38	03/14/18 16:54	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	60-140		1	03/13/18 07:38	03/14/18 16:54	877-09-8	
Decachlorobiphenyl (S)	90	%	60-140		1	03/13/18 07:38	03/14/18 16:54	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		03/05/18 14:13		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.54**	%	0.030	0.030	1		03/14/18 06:49		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

QC Batch: 283116 | Analysis Method: EPA 8082A Mod
QC Batch Method: EPA 3541 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40151549002, 40151549003, 40151549004, 40151549005, 40151549006, 40151549007, 40151549008, 40151549009

METHOD BLANK: 1658254 | Matrix: Tissue
Associated Lab Samples: 40151549002, 40151549003, 40151549004, 40151549005, 40151549006, 40151549007, 40151549008, 40151549009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1248 (Aroclor 1248)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1254 (Aroclor 1254)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
PCB-1260 (Aroclor 1260)	ug/kg	<11.4	50.0	11.4	03/14/18 13:44	
Decachlorobiphenyl (S)	%	83	60-140		03/14/18 13:44	
Tetrachloro-m-xylene (S)	%	76	60-140		03/14/18 13:44	

LABORATORY CONTROL SAMPLE: 1658255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<11.4			
PCB-1221 (Aroclor 1221)	ug/kg		<11.4			
PCB-1232 (Aroclor 1232)	ug/kg		<11.4			
PCB-1242 (Aroclor 1242)	ug/kg	250	232	93	70-130	
PCB-1248 (Aroclor 1248)	ug/kg		<11.4			
PCB-1254 (Aroclor 1254)	ug/kg		<11.4			
PCB-1260 (Aroclor 1260)	ug/kg		<11.4			
Decachlorobiphenyl (S)	%			92	60-140	
Tetrachloro-m-xylene (S)	%			85	60-140	

MATRIX SPIKE SAMPLE: 1658256

Parameter	Units	40151552010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<34.3		<34.2			
PCB-1221 (Aroclor 1221)	ug/kg	<34.3		<34.2			
PCB-1232 (Aroclor 1232)	ug/kg	<34.3		<34.2			
PCB-1242 (Aroclor 1242)	ug/kg	<34.3	250	354	142	70-130	M1
PCB-1248 (Aroclor 1248)	ug/kg	795		966			
PCB-1254 (Aroclor 1254)	ug/kg	589		630			
PCB-1260 (Aroclor 1260)	ug/kg	284		295			
Decachlorobiphenyl (S)	%				95	60-140	
Tetrachloro-m-xylene (S)	%				89	60-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

SAMPLE DUPLICATE: 1658257

Parameter	Units	40151552010 Result	Dup Result	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<34.3	<34.2		40	
PCB-1221 (Aroclor 1221)	ug/kg	<34.3	<34.2		40	
PCB-1232 (Aroclor 1232)	ug/kg	<34.3	<34.2		40	
PCB-1242 (Aroclor 1242)	ug/kg	<34.3	<34.2		40	
PCB-1248 (Aroclor 1248)	ug/kg	795	853	7	40	
PCB-1254 (Aroclor 1254)	ug/kg	589	628	6	40	
PCB-1260 (Aroclor 1260)	ug/kg	284	299	5	40	
Decachlorobiphenyl (S)	%	101	101	0		
Tetrachloro-m-xylene (S)	%	93	92	2		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

QC Batch: 284454 | Analysis Method: EPA 8082A Mod
QC Batch Method: EPA 3541 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40151549001

METHOD BLANK: 1664793 | Matrix: Tissue
Associated Lab Samples: 40151549001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1248 (Aroclor 1248)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1254 (Aroclor 1254)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
PCB-1260 (Aroclor 1260)	ug/kg	<11.4	50.0	11.4	03/30/18 17:22	
Decachlorobiphenyl (S)	%	89	60-140		03/30/18 17:22	
Tetrachloro-m-xylene (S)	%	76	60-140		03/30/18 17:22	

LABORATORY CONTROL SAMPLE: 1664794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<11.4			
PCB-1221 (Aroclor 1221)	ug/kg		<11.4			
PCB-1232 (Aroclor 1232)	ug/kg		<11.4			
PCB-1242 (Aroclor 1242)	ug/kg	250	236	95	70-130	
PCB-1248 (Aroclor 1248)	ug/kg		<11.4			
PCB-1254 (Aroclor 1254)	ug/kg		<11.4			
PCB-1260 (Aroclor 1260)	ug/kg		<11.4			
Decachlorobiphenyl (S)	%			92	60-140	
Tetrachloro-m-xylene (S)	%			81	60-140	

MATRIX SPIKE SAMPLE: 1664795

Parameter	Units	40151613001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4		<11.4			
PCB-1221 (Aroclor 1221)	ug/kg	<11.4		<11.4			
PCB-1232 (Aroclor 1232)	ug/kg	<11.4		<11.4			
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	251	238	95	70-130	
PCB-1248 (Aroclor 1248)	ug/kg	11.8J		<11.4			
PCB-1254 (Aroclor 1254)	ug/kg	16.9J		43.4J			
PCB-1260 (Aroclor 1260)	ug/kg	39.1J		35.7J			
Decachlorobiphenyl (S)	%				82	60-140	
Tetrachloro-m-xylene (S)	%				79	60-140	

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

SAMPLE DUPLICATE: 1664796

Parameter	Units	40151613001 Result	Dup Result	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	<11.4		40	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	<11.4		40	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	<11.4		40	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	<11.4		40	
PCB-1248 (Aroclor 1248)	ug/kg	11.8J	11.4J		40	
PCB-1254 (Aroclor 1254)	ug/kg	16.9J	16.6J		40	
PCB-1260 (Aroclor 1260)	ug/kg	39.1J	36.6J		40	
Decachlorobiphenyl (S)	%	85	90	5		
Tetrachloro-m-xylene (S)	%	82	81	1		

SAMPLE DUPLICATE: 1664809

Parameter	Units	40157825001 Result	Dup Result	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	<11.4		40	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	<11.4		40	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	<11.4		40	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	<11.4		40	
PCB-1248 (Aroclor 1248)	ug/kg	272	344	23	40	
PCB-1254 (Aroclor 1254)	ug/kg	114	147	25	40	
PCB-1260 (Aroclor 1260)	ug/kg	20.1J	26.4J		40	
Decachlorobiphenyl (S)	%	90	93	2		
Tetrachloro-m-xylene (S)	%	86	85	1		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

QC Batch: 283118 | Analysis Method: Pace Lipid
QC Batch Method: Pace Lipid | Analysis Description: LIPID
Associated Lab Samples: 40151549002, 40151549003, 40151549004, 40151549005, 40151549006, 40151549007, 40151549008, 40151549009

METHOD BLANK: 1658258 | Matrix: Tissue
Associated Lab Samples: 40151549002, 40151549003, 40151549004, 40151549005, 40151549006, 40151549007, 40151549008, 40151549009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lipid	%	<0.030	0.030	0.030	03/14/18 06:49	

MATRIX SPIKE SAMPLE: 1682499

Parameter	Units	40151552010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lipid	%	1.5		1.6			

SAMPLE DUPLICATE: 1658259

Parameter	Units	40151552010 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	1.5	1.5	5	40	

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

QC Batch: 284607 | Analysis Method: Pace Lipid
QC Batch Method: Pace Lipid | Analysis Description: LIPID
Associated Lab Samples: 40151549001

METHOD BLANK: 1665662 | Matrix: Tissue
Associated Lab Samples: 40151549001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lipid	%	<0.030	0.030	0.030	03/29/18 07:08	

MATRIX SPIKE SAMPLE: 1682554

Parameter	Units	40151613001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lipid	%	0.30		0.27			

SAMPLE DUPLICATE: 1665665

Parameter	Units	40151613001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	0.30	0.28	7	40	

SAMPLE DUPLICATE: 1665666

Parameter	Units	40157825001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	0.39	0.44	13	40	

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QUALIFIERS

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

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.

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

1q	Sample was re-analyzed due to incorrect dilution.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HUDSON RIVER REMEDIAL ACTION
Pace Project No.: 40151549

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40151549001	**TD5-170612-01-YB-01**	EPA 3541	284454	EPA 8082A Mod	284630
40151549002	**TD5-170612-01-BB-09**	EPA 3541	283116	EPA 8082A Mod	283254
40151549003	**TD5-170612-01-BB-08**	EPA 3541	283116	EPA 8082A Mod	283254
40151549004	**TD5-170612-01-BB-07**	EPA 3541	283116	EPA 8082A Mod	283254
40151549005	**TD5-170612-01-BB-06**	EPA 3541	283116	EPA 8082A Mod	283254
40151549006	**TD5-170612-01-BB-05**	EPA 3541	283116	EPA 8082A Mod	283254
40151549007	**TD5-170612-01-BB-04**	EPA 3541	283116	EPA 8082A Mod	283254
40151549008	**TD5-170612-01-BB-03**	EPA 3541	283116	EPA 8082A Mod	283254
40151549009	**TD5-170612-01-BB-02**	EPA 3541	283116	EPA 8082A Mod	283254
40151549001	**TD5-170612-01-YB-01**	Pace Gender Typing	282442		
40151549002	**TD5-170612-01-BB-09**	Pace Gender Typing	282442		
40151549003	**TD5-170612-01-BB-08**	Pace Gender Typing	282442		
40151549004	**TD5-170612-01-BB-07**	Pace Gender Typing	282442		
40151549005	**TD5-170612-01-BB-06**	Pace Gender Typing	282442		
40151549006	**TD5-170612-01-BB-05**	Pace Gender Typing	282442		
40151549007	**TD5-170612-01-BB-04**	Pace Gender Typing	282442		
40151549008	**TD5-170612-01-BB-03**	Pace Gender Typing	282442		
40151549009	**TD5-170612-01-BB-02**	Pace Gender Typing	282442		
40151549001	**TD5-170612-01-YB-01**	Pace Lipid	284607		
40151549002	**TD5-170612-01-BB-09**	Pace Lipid	283118		
40151549003	**TD5-170612-01-BB-08**	Pace Lipid	283118		
40151549004	**TD5-170612-01-BB-07**	Pace Lipid	283118		
40151549005	**TD5-170612-01-BB-06**	Pace Lipid	283118		
40151549006	**TD5-170612-01-BB-05**	Pace Lipid	283118		
40151549007	**TD5-170612-01-BB-04**	Pace Lipid	283118		
40151549008	**TD5-170612-01-BB-03**	Pace Lipid	283118		
40151549009	**TD5-170612-01-BB-02**	Pace Lipid	283118		

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40151549

RMN

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC170612-T11-03
Sample Custodian: JER
Lab: Pace - Green Bay

Client: General Electric Company
Project: Hudson River Remedial Action Monitoring Program

	COC Sample Number	Sampling Event ID	Field Sample ID	Sample Date	Sample Time	MS/LD	# CONTAINERS	Media*	Prep**	Composite	EPA Split	Total PCBs NE013_09	Total PCBs SW846 8082A	Percent Lipid (S-GB-O-068)	Fillet Weight (S-GB-L-009)	
001	001	TD5-170612-01	TD5-170612-01-YB-01	6/12/2017	15:28	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
002	002	TD5-170612-01	TD5-170612-01-BB-09	6/12/2017	15:33	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
003	003	TD5-170612-01	TD5-170612-01-BB-08	6/12/2017	15:31	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
004	004	TD5-170612-01	TD5-170612-01-BB-07	6/12/2017	15:26	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
005	005	TD5-170612-01	TD5-170612-01-BB-06	6/12/2017	15:24	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
006	006	TD5-170612-01	TD5-170612-01-BB-05	6/12/2017	15:22	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
007	007	TD5-170612-01	TD5-170612-01-BB-04	6/12/2017	15:20	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
008	008	TD5-170612-01	TD5-170612-01-BB-03	6/12/2017	15:17	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
009	009	TD5-170612-01	TD5-170612-01-BB-02	6/12/2017	15:14	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
	010	TD2-170612-01	TD2-170612-01-YB-01	6/12/2017	13:38	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	

1-ziplock

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Meeker	Print Name	Print Name	Print Name	Print Name
Company Fedex	Company Pace	Company	Company	Company	Company
Date/Time	Date/Time 6/13/17 0930	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 6/12/2017 * F= FISH **F=Fillet, WH=Whole Body, O=Offal ***COC TYPE:*** *TPCB-LIPD-PEST-MERCURY* ***Page 1 of 2***

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC170612-T11-03
Sample Custodian: JER
Lab: Pace - Green Bay

Client: General Electric Company
Project: Hudson River Remedial Action Monitoring Program

COC Sample Number	Sampling Event ID	Field Sample ID	Sample Date	Sample Time	MS/LD	# CONTAINERS	Media*	Prep**	Composite	EPA Split	Total PCBs NE013_09	Total PCBs SW846 8082A	Percent Lipid (S-GB-O-068)	Fillet Weight (S-GB-L-009)	
011	TD2-170612-01	TD2-170612-01-SMB-01	6/12/2017	13:18	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
012	TD2-170612-01	TD2-170612-01-BB-04	6/12/2017	13:40	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
013	TD2-170612-01	TD2-170612-01-BB-03	6/12/2017	13:36	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
014	TD2-170612-01	TD2-170612-01-BB-02	6/12/2017	13:32	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
015	TD2-170612-01	TD2-170612-01-BB-01	6/12/2017	13:31	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
016	TD1-170612-01	TD1-170612-01-YB-01	6/12/2017	12:37	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
017	TD1-170612-01	TD1-170612-01-SMB-05	6/12/2017	12:52	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
018	TD1-170612-01	TD1-170612-01-SMB-04	6/12/2017	12:50	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
019	TD1-170612-01	TD1-170612-01-SMB-01	6/12/2017	12:40	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
020	TD1-170612-01	TD1-170612-01-BB-01	6/12/2017	12:33	☑	1	F	FLRC	☐	☐	☐	☑	☑	☑	

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Meeth	Print Name	Print Name	Print Name	Print Name
Company Pace	Company Pace	Company	Company	Company	Company
Date/Time	Date/Time 6/13/17 0930	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 6/12/2017 * F= FISH **F=Fillet, WH=Whole Body, O=Offal ***COC TYPE:*** *TPCB-LIPD-PEST-MERCURY* ***Page 2 of 2***

Pace Analytical™

Sample Condition Upon Receipt

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

Project #: **WO# : 40151549**

40151549

Client Name: Anchor

Courier: ☒ Fed Ex ☐ UPS ☐ Client ☐ Pace Other:

Tracking #: 7793806512-90

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 SR68 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0 **Biological Tissue is Frozen:** ☐ yes ☒ no

Temp Blank Present: ☐ yes ☒ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 6-13-17
Initials: SKW

		Comments:
Chain of Custody Present:	☐Yes ☒No ☐N/A	1. printed off date 6/13/17
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
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 ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☒No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: B		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☒No	Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14.
Trip Blank Present:	☐Yes ☐No ☒N/A	15.
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: Only one cooler of 3 received 6-13-17 SKW

Project Manager Review: AL for TN **Date:** 6/14/17

F-GB-C-031-Rev.04 (12Dec2016) SCUR.xls
Pace Analytical Services LLC. - Green Bay WI

CASE NARRATIVE - PCB ANALYSIS

Lab Report Number (SDG): 40151549
Client: GENERAL ELECTRIC COMPANY
Project Name: HUDSON RIVER REMEDIAL ACTION MONITORING PROGRAM
Project Number: N/A

1. RECEIPT

Samples were received on ice at 0°C. Following homogenization, tissue samples were kept frozen at less than -10°C until time of preparation for analysis.

2. HOLDING TIMES

A. Sample Preparation: All method and QAPP specified holding times were met.
B. Sample Analysis: All method and QAPP specified holding times were met.

3. METHOD

Preparation: SW-846 3541
Analysis: SW-846 8082A Modified

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.
2. **Continuing verification:** All method acceptance criteria were met.

B. Blanks:
1. **Method:** All acceptance criteria were met for the associated method blanks.

C. Surrogates: All QAPP specified acceptance criteria were met.

D. Spikes:
1. **Lab Control Spike (LCS):** The control spikes were fortified with Aroclor 1242 and met the QAPP specified accuracy criteria.
2. **Matrix Spike (MS):** Batch MSs were analyzed with this SDG in order to cover the QAPP QC requirement. The QAPP specified accuracy criteria were met with the following exception. The accuracy criteria were not met for MS 1658256; the “M1” data qualifier was applied to the MS on the final report.

E. Samples: Sample analyses proceeded normally. ZB-1ms is the quantitation column.

F. Sample Duplicate: Batch duplicates were analyzed with this SDG in order to cover the QAPP QC requirement. The QAPP specified precision criteria were met. Duplicate results are not evaluated below the reporting limit.

G. Dilutions:

Sample ID	Reason for dilution
TD5-170612-01-YB-01	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-08	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-07	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-06	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-05	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-04	To bring Aroclors within instrument calibration range
TD5-170612-01-BB-03	To bring Aroclors within instrument calibration range

H. Reanalysis: Samples TD5-170612-01-BB-08, TD5-170612-01-BB-07, and TD5-170612-01-BB-04 were initially analyzed straight or diluted based on screener data. Upon analysis, the samples were found to require reanalysis at different dilutions to bring individual Aroclor peaks within instrument calibration range. The samples were reported with the “1q” data qualifier on the final report to note the occurrence.

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: 05/01/18

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.: 40151549 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ

LAB SAMPLE ID	SAMPLE NAME	DCBP	TCMX
1658254	1658254BLANK	83	76
1658255	1658255LCS	92	85
40151549002	TD5-170612-01-BB-09	91	96
40151549003	TD5-170612-01-BB-08	89	90
40151549004	TD5-170612-01-BB-07	94	94
40151549005	TD5-170612-01-BB-06	106	97
40151549006	TD5-170612-01-BB-05	97	91
40151549007	TD5-170612-01-BB-04	105	96
40151549008	TD5-170612-01-BB-03	94	90
40151549009	TD5-170612-01-BB-02	90	91

	QC LIMITS
(DCBP) = Decachlorobiphenyl (S)	(60-140)
(TCMX) = Tetrachloro-m-xylene (S)	(60-140)

* Values outside of QC Limits

PCB - FORM II SVOA-2
TISSUE SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Green Bay SDG No.: 40151549 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ

LAB SAMPLE ID	SAMPLE NAME	DCBP	TCMX
1664793	1664793BLANK	89	76
1664794	1664794LCS	92	81
40151549001	TD5-170612-01-YB-01	98	92

	QC LIMITS
(DCBP) = Decachlorobiphenyl (S)	(60-140)
(TCMX) = Tetrachloro-m-xylene (S)	(60-140)

* Values outside of QC Limits

PCB - FORM III SVOA-1

TISSUE LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/13/2018

Instrument: 40GCSJ

Lab File ID: 031418.B\031418007.D

Lab Sample ID: 1658255LCS

Date Analyzed (1): 03/14/2018

LCS Lot No: 182336

SDG No.: 40151549

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	232	93	70-130

Spike Recovery: 0 out of 1 outside limits.

PCB - FORM III SVOA-1

TISSUE LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/28/2018

Instrument: 40GCSJ

Lab File ID: 033018.B\033018011.D

Lab Sample ID: 1664794LCS

Date Analyzed (1): 03/30/2018

LCS Lot No: 182336

SDG No.: 40151549

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	236	95	70-130

Spike Recovery: 0 out of 1 outside limits.

04/30/2018 11:24

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/13/2018

Instrument: 40GCSJ

Parent Sample ID: 40151552010

Matrix Spike - Sample No: 1658256MS

Date Analyzed (1): 03/14/2018

Lab File ID: 031418.B\031418008.D

SDG No.: 40151549

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	<34.3	354	142	70-130

Spike Recovery: 1 out of 1 outside limits.

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/28/2018

Instrument: 40GCSJ

Parent Sample ID: 40151613001

Matrix Spike - Sample No: 1664795MS

Date Analyzed (1): 03/30/2018

Lab File ID: 033018.B\033018012.D

SDG No.: 40151549

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	251	<11.4	238	95	70-130

Spike Recovery: 0 out of 1 outside limits.

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/13/2018

Instrument 40GCSJ

Lab Sample ID: 40151552010

Duplicate Sample No: 40151552010DUP

Date Analyzed: 03/14/2018

Lab File ID: 031418.B\031418020.D

SDG No.: 40151549

COMPOUND	SAMPLE CONCENTRATION (ug/kg)	DUPLICATE CONCENTRATION (ug/kg)	RPD	RPD LIMITS
PCB-1016 (Aroclor 1016)	<34.3	<34.2		0-40
PCB-1221 (Aroclor 1221)	<34.3	<34.2		0-40
PCB-1232 (Aroclor 1232)	<34.3	<34.2		0-40
PCB-1242 (Aroclor 1242)	<34.3	<34.2		0-40
PCB-1248 (Aroclor 1248)	795	853	7	0-40
PCB-1254 (Aroclor 1254)	589	628	6	0-40
PCB-1260 (Aroclor 1260)	284	299	5	0-40

RPD: 0 out of 3 outside limits.

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/28/2018

Instrument 40GCSJ

Lab Sample ID: 40151613001

Duplicate Sample No: 40151613001DUP

Date Analyzed: 03/30/2018

Lab File ID: 033018.B\033018018.D

SDG No.: 40151549

COMPOUND	SAMPLE CONCENTRATION (ug/kg)	DUPLICATE CONCENTRATION (ug/kg)	RPD	RPD LIMITS
PCB-1016 (Aroclor 1016)	<11.4	<11.4		0-40
PCB-1221 (Aroclor 1221)	<11.4	<11.4		0-40
PCB-1232 (Aroclor 1232)	<11.4	<11.4		0-40
PCB-1242 (Aroclor 1242)	<11.4	<11.4		0-40
PCB-1248 (Aroclor 1248)	11.8J	11.4J		0-40
PCB-1254 (Aroclor 1254)	16.9J	16.6J		0-40
PCB-1260 (Aroclor 1260)	39.1J	36.6J		0-40

RPD: ____ out of __0__ outside limits.

PCB - FORM III SVOA-2

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/28/2018

Instrument 40GCSJ

Lab Sample ID: 40157825001

Duplicate Sample No: 40157825001DUP

Date Analyzed: 03/30/2018

Lab File ID: 033018.B\033018034.D

SDG No.: 40151549

COMPOUND	SAMPLE CONCENTRATION (ug/kg)	DUPLICATE CONCENTRATION (ug/kg)	RPD	RPD LIMITS
PCB-1016 (Aroclor 1016)	<11.4	<11.4		0-40
PCB-1221 (Aroclor 1221)	<11.4	<11.4		0-40
PCB-1232 (Aroclor 1232)	<11.4	<11.4		0-40
PCB-1242 (Aroclor 1242)	<11.4	<11.4		0-40
PCB-1248 (Aroclor 1248)	272	344	23	0-40
PCB-1254 (Aroclor 1254)	114	147	25	0-40
PCB-1260 (Aroclor 1260)	20.1J	26.4J		0-40

RPD: 0 out of 2 outside limits.

SAMPLE NO.

1658254BLANK

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

Lab Name: Pace Analytical - Green Bay SDG No.: 40151549 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ Matrix: Tissue Lab Sample ID: 1658254

Lab File ID: 031418.B\031418006.D Date Analyzed: 03/14/2018 Time:13:44

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1658255LCS	1658255	031418.B\031418007.D	03/14/2018 14:00
TD5-170612-01-BB-09	40151549002	031418.B\031418009.D	03/14/2018 14:31
TD5-170612-01-BB-06	40151549005	031418.B\031418012.D	03/14/2018 15:19
TD5-170612-01-BB-05	40151549006	031418.B\031418013.D	03/14/2018 15:35
TD5-170612-01-BB-03	40151549008	031418.B\031418015.D	03/14/2018 16:06
TD5-170612-01-BB-02	40151549009	031418.B\031418018.D	03/14/2018 16:54
1658257DUP	1658257	031418.B\031418020.D	03/14/2018 17:26
TD5-170612-01-BB-08	40151549003	032018.B\032018011.D	03/20/2018 15:10
TD5-170612-01-BB-07	40151549004	032018.B\032018012.D	03/20/2018 15:26
TD5-170612-01-BB-04	40151549007	032718.B\032718006.D	03/27/2018 14:26

SAMPLE NO.

1664793BLANK

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

Lab Name: Pace Analytical - Green Bay SDG No.: 40151549 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ Matrix: Tissue Lab Sample ID: 1664793

Lab File ID: 033018.B\033018010.D Date Analyzed: 03/30/2018 Time:17:22

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1664794LCS	1664794	033018.B\033018011.D	03/30/2018 17:38
TD5-170612-01-YB-01	40151549001	033018.B\033018013.D	03/30/2018 18:10
1664796DUP	1664796	033018.B\033018018.D	03/30/2018 19:29
1664809DUP	1664809	033018.B\033018034.D	03/30/2018 23:43

SAMPLE NO.

TD5-170612-01-YB-01

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received: 06/13/2017 09:30

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/28/2018 08:09

Lab Sample ID: 40151549001

Date Analyzed: 03/30/2018 18:10

Lab File ID: 033018.B\033018013.D

Initial wt/vol: 10.0051 Final wt/vol: 5 mL Dilution: 3

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<34.2	U
11104-28-2	PCB-1221 (Aroclor 1221)	<34.2	U
11141-16-5	PCB-1232 (Aroclor 1232)	<34.2	U
53469-21-9	PCB-1242 (Aroclor 1242)	<34.2	U
12672-29-6	PCB-1248 (Aroclor 1248)	452	
11097-69-1	PCB-1254 (Aroclor 1254)	390	
11096-82-5	PCB-1260 (Aroclor 1260)	147	J
1336-36-3	PCB, Total	988	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018013.D
Lab Smp Id: 40151549001 Client Smp ID: TD5-170612-01-YB-01
Inj Date : 30-MAR-2018 18:10
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549001 x3,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 13
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.005	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS	REVIEW CODE
2.171	12033	9588	0.797	0.02			
2.412	14683	11533	0.785	0.03		1 Aroclor 1221	
2.484	3799486	3652798	0.961	9.35	$	2 Tetrachloro-m-xylene	
2.788	9818	8600	0.876	0.02		1 Aroclor 1221	
2.853	18266	13693	0.750	0.04		1 Aroclor 1221	
2.975	36564	17399	0.476	0.08			
3.018	25800	28299	1.097	0.06			
3.056	20923	15818	0.756	0.04			
3.320	16842	14724	0.874	0.03			
3.342	12569	12829	1.021	0.02			
3.436	10431	9969	0.956	0.02			
3.519	89567	81905	0.914	0.20			
3.643	20535	19391	0.944	0.04			
3.732	120522	103670	0.860	0.28			
3.827	602553	404598	0.671	1.40			
3.938	40302	30294	0.752	0.09			
3.994	79522	71318	0.897	0.18			
4.058	38242	31574	0.826	0.08			
4.215	945529	882910	0.934	2.21			
4.261	765164	736595	0.963	1.78		6 Aroclor 1248	BA
4.292	1561880	1354870	0.867	3.65			
4.417	314894	286500	0.910	0.73			
4.452	155371	136059	0.876	0.36			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.545	803425	746725	0.929	1.87	6 Aroclor 1248
4.590	134280	103584	0.771	0.31	
4.681	58108	45425	0.782	0.13	
4.738	101792	92423	0.908	0.23	
4.768	279799	263662	0.942	0.65	
4.812	960587	905289	0.942	2.24	6 Aroclor 1248
4.848	177428	163776	0.923	0.41	
4.879	1900803	1251011	0.658	4.44	6 Aroclor 1248
4.956	269915	211132	0.782	0.63	
5.037	488844	427309	0.874	1.14	6 Aroclor 1248
5.102	736373	660715	0.897	1.72	
5.160	1178100	1020028	0.866	2.75	7 Aroclor 1254
5.212	1279448	1082212	0.846	2.99	
5.284	158323	156204	0.987	0.37	
5.306	238879	200010	0.837	0.55	
5.363	211127	184386	0.873	0.49	
5.406	933314	823681	0.883	2.18	7 Aroclor 1254
5.446	894375	729322	0.815	2.09	
5.477	46695	66893	1.433	0.10	
5.510	1564018	1307979	0.836	3.65	7 Aroclor 1254
5.576	103200	89671	0.869	0.24	
5.604	66196	52243	0.789	0.15	
5.674	573635	544961	0.950	1.34	
5.709	292482	237785	0.813	0.68	
5.742	447369	329145	0.736	1.04	
5.790	2641156	2032456	0.770	6.17	
5.887	238656	168199	0.705	0.55	
5.931	241028	205765	0.854	0.56	
5.993	579649	545453	0.941	1.35	
6.024	1159943	992657	0.856	2.71	7 Aroclor 1254
6.055	1451603	1195762	0.824	3.39	
6.169	435567	287553	0.660	1.01	
6.227	186989	183250	0.980	0.43	
6.242	213368	196713	0.922	0.49	
6.300	2720807	2190169	0.805	6.36	7 Aroclor 1254
6.333	279251	246999	0.885	0.65	
6.373	116718	89760	0.769	0.27	
6.432	313376	253200	0.808	0.73	
6.509	810088	742507	0.917	1.89	
6.535	506653	454781	0.898	1.18	
6.559	192178	181077	0.942	0.44	
6.605	104356	85516	0.819	0.24	
6.660	49308	43690	0.886	0.11	
6.718	258883	225916	0.873	0.60	
6.759	237945	213795	0.899	0.55	
6.802	384354	327426	0.852	0.89	
6.840	160467	122832	0.765	0.37	
6.911	28847	27964	0.969	0.06	
6.942	162399	152448	0.939	0.37	
7.004	846803	761703	0.900	1.98	8 Aroclor 1260
7.035	78412	74925	0.956	0.18	
7.076	15269	14207	0.930	0.03	
7.121	34419	26625	0.774	0.08	
7.251	417498	383437	0.918	0.97	8 Aroclor 1260
7.281	142950	115449	0.808	0.33	
7.388	335181	283509	0.846	0.78	
7.442	334153	288916	0.865	0.78	8 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.552	30978	23470	0.758	0.07	
7.689	89364	86456	0.967	0.20	
7.727	79006	69909	0.885	0.18	
7.806	56253	31653	0.563	0.13	
7.899	276126	235359	0.852	0.64	8 Aroclor 1260
8.048	62347	51219	0.822	0.14	
8.273	219647	185531	0.845	0.51	
8.448	10767	6257	0.581	0.02	
8.570	3587780	3088963	0.861	8.39	$ 12 Decachlorobiphenyl
8.723	11259	9983	0.887	0.02	
9.169	44069	38475	0.873	0.10	
	42755882	36572439		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018013.D
Lab Smp Id: 40151549001 Client Smp ID: TD5-170612-01-YB-01
Inj Date : 30-MAR-2018 18:10
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549001 x3,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 13
Dil Factor: 3.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.005	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221						CAS #: 11104-28-2		
Compound Not Detected.								
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	3799485	0.03082		46		
3 Aroclor 1242						CAS #: 53469-21-9		
Operator disabled compound identification.								
4 Aroclor 1232						CAS #: 1114-16-5		
Operator disabled compound identification.								

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	765163	0.32658	490	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	803425	0.19358	290	0.00- 20.00	105.00	BA
4.812	4.812	0.000	960586	0.47318	710	0.00- 20.00	125.54	BA
4.878	4.879	-0.001	1900802	0.37733	560	0.00- 20.00	248.42	BA
5.036	5.038	-0.002	488844	0.13622	200	0.00- 20.00	63.89	BA
Average of Peak Concentrations =					450			
7 Aroclor 1254					CAS #: 11097-69-1			
5.160	5.162	-0.002	1178099	0.22503	340	0.00- 20.00	100.00(M)	BA
5.405	5.408	-0.003	933313	0.21700	320	0.00- 20.00	79.22	BA
5.509	5.510	-0.001	1564017	0.20139	300	0.00- 20.00	132.76	BA
6.023	6.027	-0.004	1159942	0.23820	360	0.00- 20.00	98.46	BA
6.299	6.299	0.000	2720807	0.41813	630	0.00- 20.00	230.95	BA
Average of Peak Concentrations =					390			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	BA
7.004	7.006	-0.002	846802	0.08456	130	0.00- 20.00	31.12	BA
7.250	7.251	-0.001	417498	0.08735	130	0.00- 20.00	15.34	BA
7.442	7.443	-0.001	334153	0.11463	170	0.00- 20.00	12.28	BA
7.898	7.901	-0.003	276126	0.10464	160	0.00- 20.00	10.15	BA
Average of Peak Concentrations =					150			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.569	8.571	-0.002	3587779	0.03275	49			

QC Flag Legend

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\40GCSJ.i\033018.b\033018013.D

Date : 30-MAR-2018 18:10

Client ID: TD5-170612-01-YB-01

Instrument: 40GCSJ.i

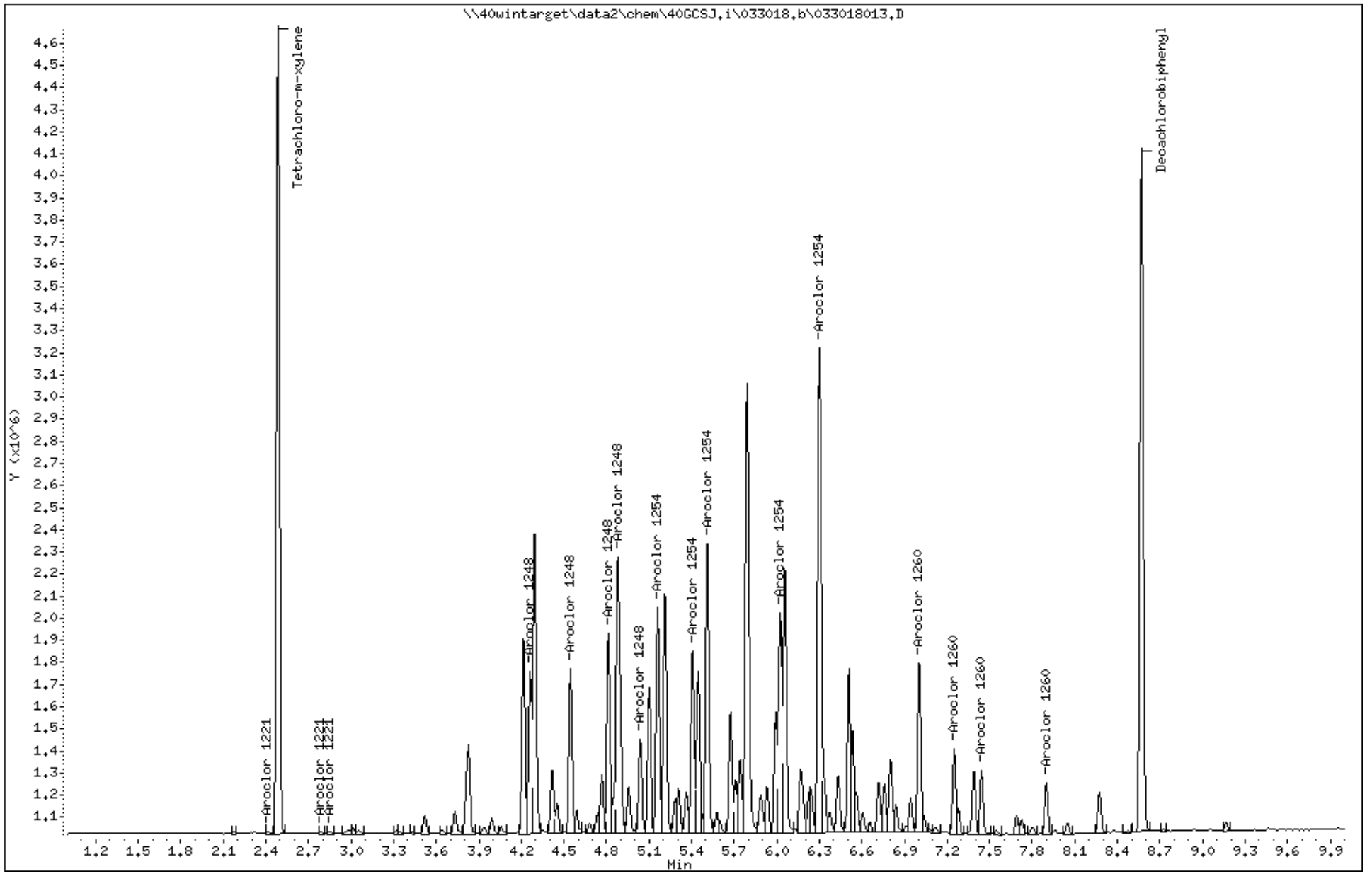
Sample Info: 40151549001 x3,

Volume Injected (uL): 1.0

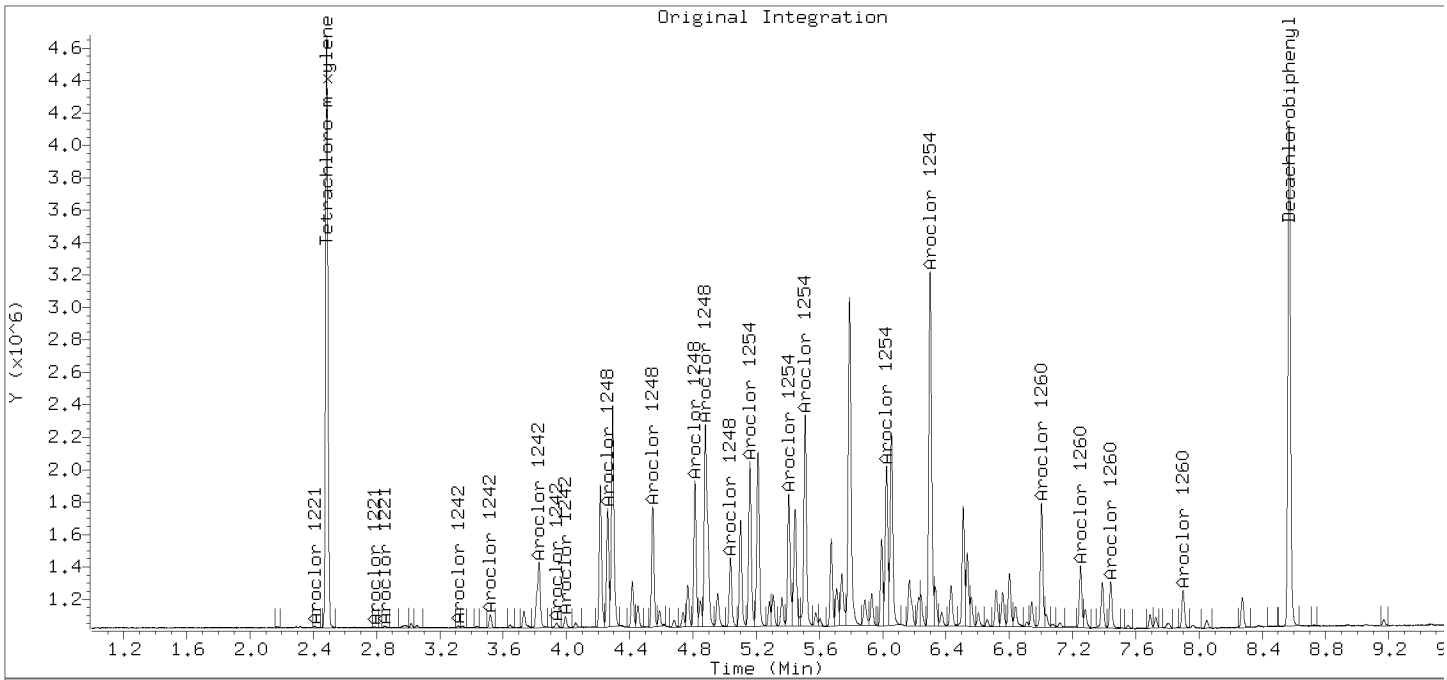
Operator: BLM

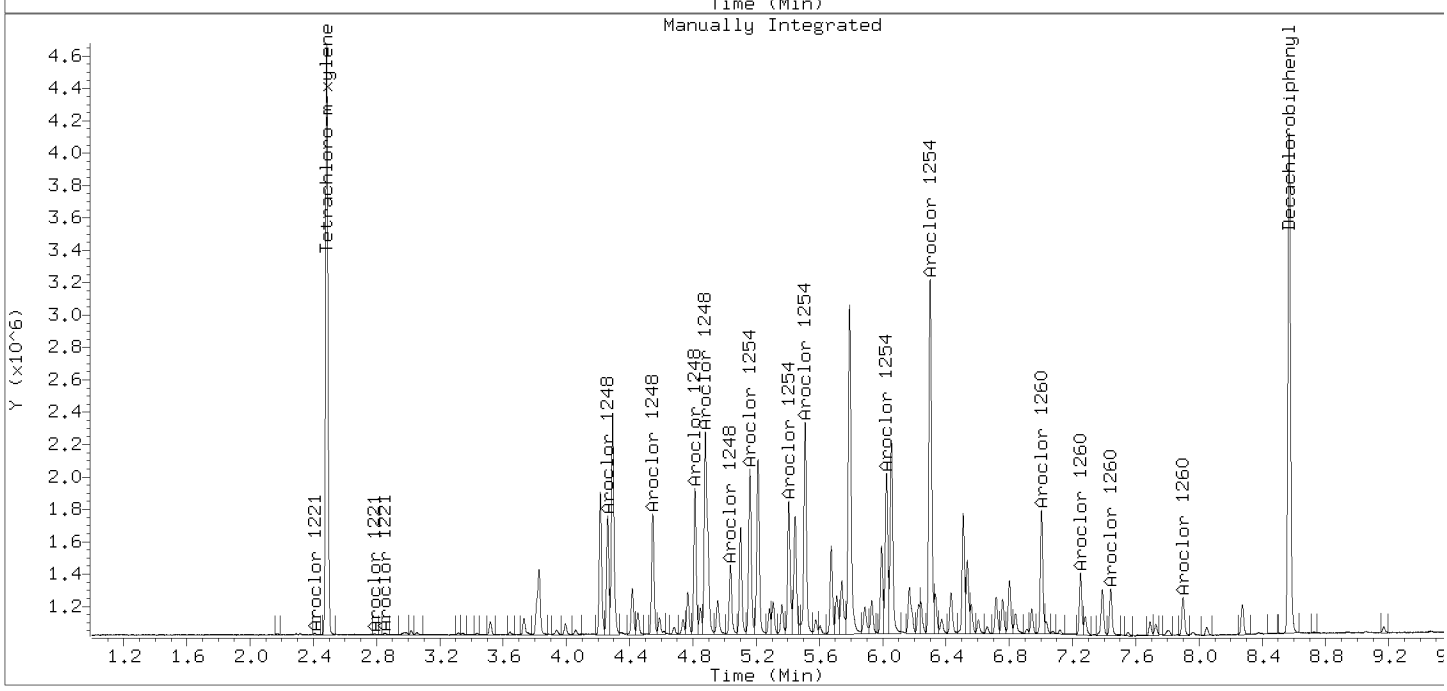
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b/033018013.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 30-MAR-2018 18:10 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549001





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	16841	0	
Aroclor 1016	16841	0	
Aroclor 1016	16841	0	
Aroclor 1016	16841	0	
Aroclor 1016	16841	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	18265	0	
Aroclor 1232	18265	0	
Aroclor 1232	18265	0	
Aroclor 1232	18265	0	

Aroclor 1232	18265	0	
Aroclor 1242	16841	0	
Aroclor 1242	16841	0	
Aroclor 1242	16841	0	
Aroclor 1242	16841	0	
Aroclor 1242	16841	0	
Aroclor 1248	752071	765163	BA
Aroclor 1248	752071	765163	BA
Aroclor 1248	752071	765163	BA
Aroclor 1248	752071	765163	BA
Aroclor 1248	752071	765163	BA
Aroclor 1254	1160147	1178099	BA
Aroclor 1254	1160147	1178099	BA
Aroclor 1254	1160147	1178099	BA
Aroclor 1254	1160147	1178099	BA
Aroclor 1254	1160147	1178099	BA
Aroclor 1260	2703988	0	BA
Aroclor 1260	2703988	0	BA
Aroclor 1260	2703988	0	BA
Aroclor 1260	2703988	0	BA
Aroclor 1260	2703988	0	BA
Tetrachloro-m-xylene	3799485	3799485	
Decachlorobiphenyl	3587779	3587779	

==========

SAMPLE NO.

TD5-170612-01-BB-09

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received: 06/13/2017 09:30

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/13/2018 07:38

Lab Sample ID: 40151549002

Date Analyzed: 03/14/2018 14:31

Lab File ID: 031418.B\031418009.D

Initial wt/vol: 9.986 g Final wt/vol: 5 mL Dilution: 1

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	<11.4	U
12672-29-6	PCB-1248 (Aroclor 1248)	280	
11097-69-1	PCB-1254 (Aroclor 1254)	154	
11096-82-5	PCB-1260 (Aroclor 1260)	96.5	
1336-36-3	PCB, Total	530	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418009.D
Lab Smp Id: 40151549002 Client Smp ID: TD5-170612-01-BB-09
Inj Date : 14-MAR-2018 14:31
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549002,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	9.986	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.030	16743	9741	0.582	0.02		
1.183	11422	10245	0.897	0.01		
1.428	11242	11445	1.018	0.01		
1.536	17759	10103	0.569	0.02		
2.010	16955	11448	0.675	0.02		
2.168	14225	12667	0.891	0.01		
2.294	15126	14141	0.935	0.01		
2.315	22470	18205	0.810	0.02		
2.412	74046	58615	0.792	0.09		
2.485	11778549	11654079	0.989	15.13	$ 2 Tetrachloro-m-xylene	BA
2.605	16628	8411	0.506	0.02		
2.684	13528	10983	0.812	0.01		
2.789	28589	24186	0.846	0.03		
2.850	70343	51176	0.728	0.08		
2.974	60626	41353	0.682	0.07		
3.020	41856	38950	0.931	0.05		
3.054	27507	26508	0.964	0.03		
3.318	81527	74677	0.916	0.10		
3.344	85143	78144	0.918	0.10		
3.400	16057	15504	0.966	0.01		
3.434	359977	344195	0.956	0.44		
3.519	359149	332021	0.924	0.44		
3.645	90793	77452	0.853	0.11		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.732	491795	436212	0.887	0.60	
3.827	1796513	1088925	0.606	2.22	
3.924	68316	42920	0.628	0.08	
3.995	217555	199629	0.918	0.26	
4.058	112251	88755	0.791	0.13	
4.138	48258	27802	0.576	0.05	
4.216	851720	626466	0.736	1.05	
4.262	1801524	1709926	0.949	2.22	6 Aroclor 1248
4.293	4196784	3509385	0.836	5.18	
4.348	66934	48718	0.728	0.08	
4.418	663733	616981	0.930	0.82	
4.452	462467	411544	0.890	0.57	
4.546	1891163	1785153	0.944	2.33	6 Aroclor 1248
4.589	371568	341445	0.919	0.45	
4.617	184330	151176	0.820	0.22	
4.681	272285	226157	0.831	0.33	
4.737	269834	224467	0.832	0.33	
4.768	714362	672982	0.942	0.88	
4.813	1501494	1456281	0.970	1.85	6 Aroclor 1248
4.848	456896	450557	0.986	0.56	
4.879	2938019	1767488	0.602	3.63	6 Aroclor 1248
4.957	646479	526536	0.814	0.79	
5.038	880383	799087	0.908	1.08	6 Aroclor 1248
5.102	1557216	1349269	0.866	1.92	
5.159	1441131	1204923	0.836	1.78	7 Aroclor 1254
5.213	1401688	1215328	0.867	1.73	
5.284	337991	320038	0.947	0.41	
5.309	591980	504457	0.852	0.73	
5.363	521263	448078	0.860	0.64	
5.407	1453843	1283346	0.883	1.79	7 Aroclor 1254
5.448	1063025	870294	0.819	1.31	
5.479	132869	141881	1.068	0.16	
5.511	2344441	2021308	0.862	2.89	7 Aroclor 1254
5.578	180671	156578	0.867	0.22	
5.605	342262	286853	0.838	0.42	
5.675	684424	623244	0.911	0.84	
5.711	492969	402351	0.816	0.60	
5.744	738233	573906	0.777	0.91	
5.791	3207071	2468311	0.770	3.96	
5.886	423772	318719	0.752	0.52	
5.932	507279	402563	0.794	0.62	
5.995	1021813	938889	0.919	1.26	
6.025	1535625	1320140	0.860	1.89	7 Aroclor 1254
6.056	1415995	1190863	0.841	1.75	
6.170	522279	315450	0.604	0.64	
6.229	199553	227999	1.143	0.24	
6.243	380366	296960	0.781	0.47	
6.302	3696444	3018470	0.817	4.56	8 Aroclor 1260
6.333	312609	293001	0.937	0.38	
6.375	171696	127085	0.740	0.21	
6.433	628312	532627	0.848	0.77	
6.510	1526357	1345178	0.881	1.88	
6.536	608597	580829	0.954	0.75	
6.562	252767	221087	0.875	0.31	
6.606	117470	91107	0.776	0.14	
6.662	88661	67688	0.763	0.10	
6.719	350991	286190	0.815	0.43	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.760	541053	484177	0.895	0.66	
6.801	449867	399285	0.888	0.55	
6.841	250807	202361	0.807	0.31	
6.915	74931	62720	0.837	0.09	
6.943	289539	255619	0.883	0.35	
7.005	1057799	968808	0.916	1.30	8 Aroclor 1260
7.036	133513	121228	0.908	0.16	
7.073	28801	21049	0.731	0.03	
7.124	69771	47175	0.676	0.08	
7.251	506513	460224	0.909	0.62	8 Aroclor 1260
7.283	201990	159983	0.792	0.24	
7.342	25877	19859	0.767	0.03	
7.368	16870	22227	1.318	0.02	
7.391	502419	441092	0.878	0.62	
7.443	508408	450239	0.886	0.62	8 Aroclor 1260
7.553	37640	32202	0.856	0.04	
7.626	27223	16288	0.598	0.03	
7.691	131902	121616	0.922	0.16	
7.727	160249	131385	0.820	0.19	
7.807	110485	60495	0.548	0.13	
7.900	424432	377855	0.890	0.52	8 Aroclor 1260
7.963	57418	35907	0.625	0.07	
8.048	132524	116202	0.877	0.16	
8.275	410603	364207	0.887	0.50	
8.323	10860	9645	0.888	0.01	
8.378	36962	25420	0.688	0.04	
8.456	24579	13572	0.552	0.03	
8.507	13029	9471	0.727	0.01	
8.572	9958306	8895405	0.893	12.31	$ 12 Decachlorobiphenyl
8.730	21885	19283	0.881	0.02	
8.944	39972	28022	0.701	0.04	
9.054	28652	17563	0.613	0.03	
9.169	97692	79543	0.814	0.12	
9.467	60175	34969	0.581	0.07	
9.964	62178	40752	0.655	0.07	
	80891505	70133699		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418009.D
Lab Smp Id: 40151549002 Client Smp ID: TD5-170612-01-BB-09
Inj Date : 14-MAR-2018 14:31
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549002,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	9.986	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
Operator disabled compound identification.								BA
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	11778549	0.09553	48		(M)	BA
3 Aroclor 1242					CAS #: 53469-21-9			
Operator disabled compound identification.								
4 Aroclor 1232					CAS #: 1114-16-5			
Operator disabled compound identification.								

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1801523	0.76890	380	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	1891162	0.45567	230	0.00- 20.00	104.98	BA
4.812	4.812	0.000	1501493	0.73962	370	0.00- 20.00	83.35	BA
4.879	4.879	0.000	2938019	0.58324	290	0.00- 20.00	163.09	BA
5.038	5.038	0.000	880383	0.24533	120	0.00- 20.00	48.87	BA
			Average of Peak Concentrations =		280			
7 Aroclor 1254					CAS #: 11097-69-1			
5.159	5.162	-0.003	1441131	0.27527	140	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	1453843	0.33802	170	0.00- 20.00	100.88	BA
5.510	5.510	0.000	2344441	0.30188	150	0.00- 20.00	162.68	BA
6.025	6.027	-0.002	1535625	0.31534	160	0.00- 20.00	106.56	BA
6.299	6.299	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
			Average of Peak Concentrations =		150			
8 Aroclor 1260					CAS #: 11096-82-5			
6.301	6.300	0.001	3696443	0.41710	210	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	1057798	0.10563	53	0.00- 20.00	28.62	BA
7.251	7.251	0.000	506513	0.10597	53	0.00- 20.00	13.70	BA
7.443	7.443	0.000	508407	0.17440	87	0.00- 20.00	13.75	BA
7.900	7.901	-0.001	424431	0.16085	80	0.00- 20.00	11.48	BA
			Average of Peak Concentrations =		96			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.572	8.571	0.001	9958306	0.09089	46			

QC Flag Legend

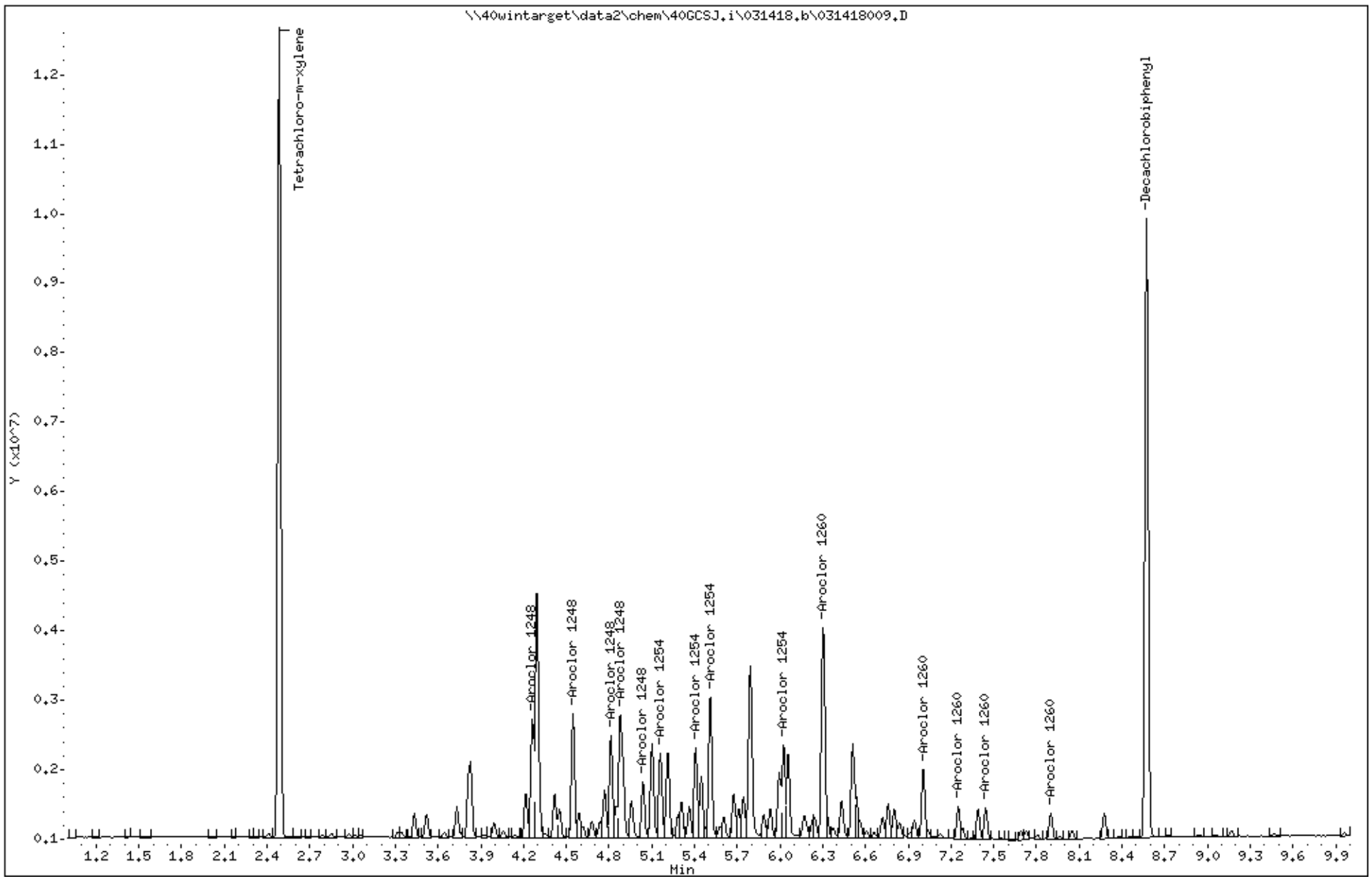
M - Compound response manually integrated.

Review Codes Legend

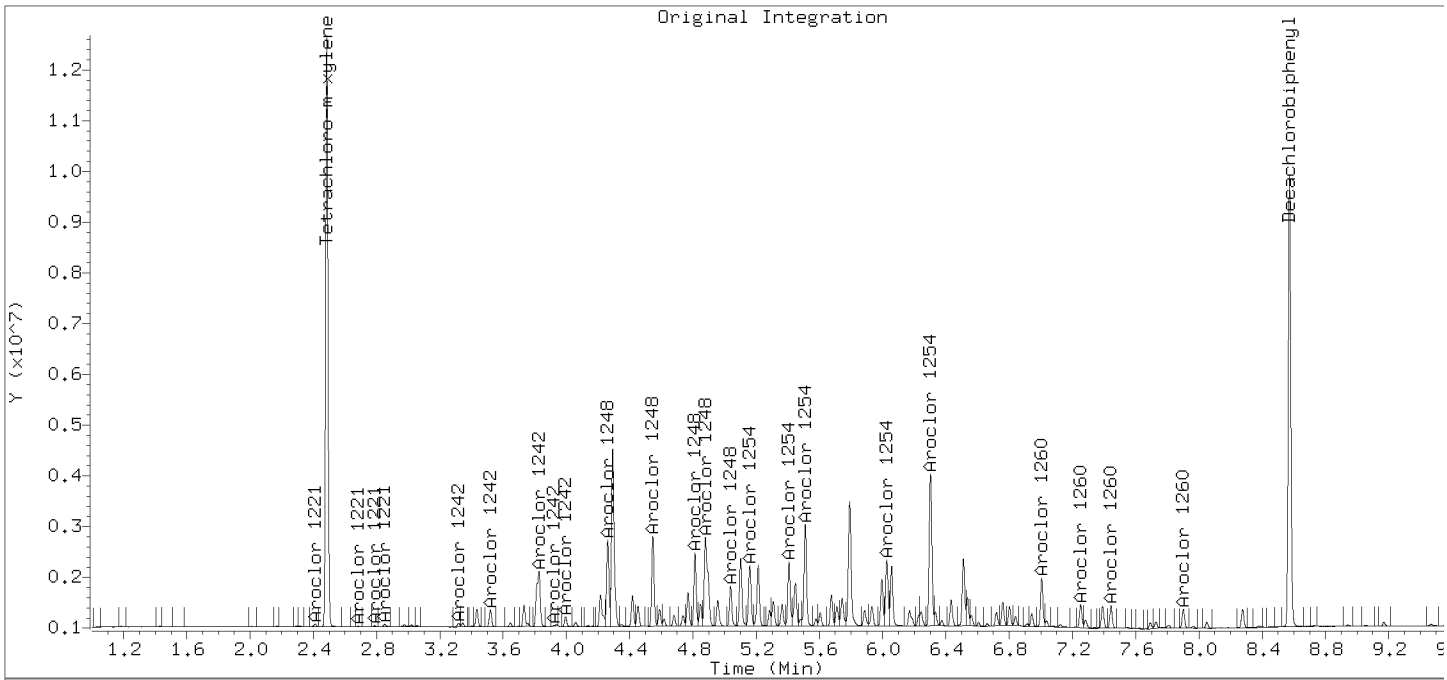
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
:

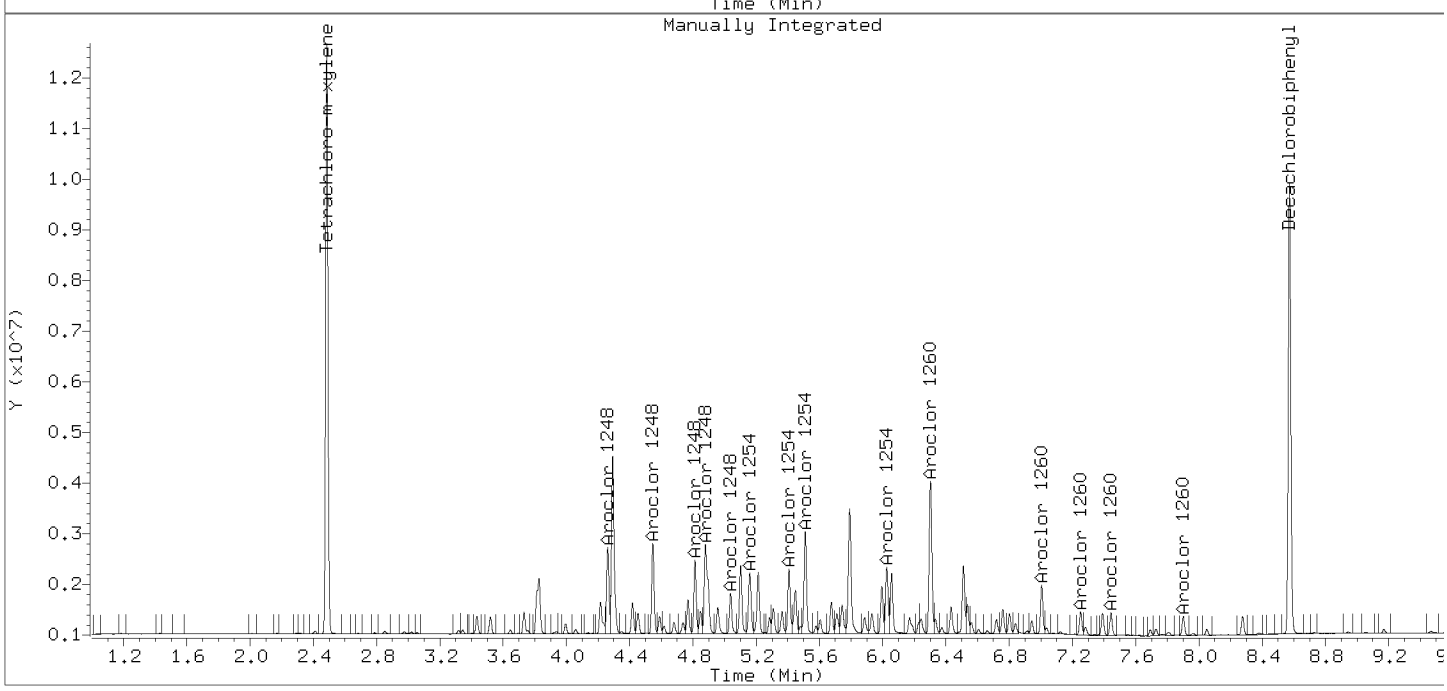
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418009.D
Date : 14-MAR-2018 14:31
Client ID: TD5-170612-01-BB-09
Sample Info: 40151549002,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418009.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 14:31 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549002





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	84510	0	
Aroclor 1016	84510	0	
Aroclor 1016	84510	0	
Aroclor 1016	84510	0	
Aroclor 1016	84510	0	
Aroclor 1221	0	0	BA
Aroclor 1221	0	0	BA
Aroclor 1221	0	0	BA
Aroclor 1221	0	0	BA
Aroclor 1221	0	0	BA
Aroclor 1232	66256	0	
Aroclor 1232	66256	0	
Aroclor 1232	66256	0	
Aroclor 1232	66256	0	

Aroclor 1232	66256	0	
Aroclor 1242	84510	0	
Aroclor 1242	84510	0	
Aroclor 1242	84510	0	
Aroclor 1242	84510	0	
Aroclor 1242	84510	0	
Aroclor 1248	1781957	1801523	BA
Aroclor 1248	1781957	1801523	BA
Aroclor 1248	1781957	1801523	BA
Aroclor 1248	1781957	1801523	BA
Aroclor 1248	1781957	1801523	BA
Aroclor 1254	1382978	1441131	BA
Aroclor 1254	1382978	1441131	BA
Aroclor 1254	1382978	1441131	BA
Aroclor 1254	1382978	1441131	BA
Aroclor 1254	1382978	1441131	BA
Aroclor 1260	3622617	3696443	BA
Aroclor 1260	3622617	3696443	BA
Aroclor 1260	3622617	3696443	BA
Aroclor 1260	3622617	3696443	BA
Aroclor 1260	3622617	3696443	BA
Tetrachloro-m-xylene	11770819	11778549	BA
Decachlorobiphenyl	9958306	9958306	

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SAMPLE NO.

TD5-170612-01-BB-08

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION
Date Received: 06/13/2017 09:30
Matrix: Tissue SDG No.: 40151549
Date Extracted: 03/13/2018 07:38
Lab Sample ID: 40151549003
Date Analyzed: 03/20/2018 15:10
Lab File ID: 032018.B\032018011.D
Initial wt/vol: 10.003 g Final wt/vol: 5 mL Dilution: 2
Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<22.8	U
11104-28-2	PCB-1221 (Aroclor 1221)	<22.8	U
11141-16-5	PCB-1232 (Aroclor 1232)	<22.8	U
53469-21-9	PCB-1242 (Aroclor 1242)	<22.8	U
12672-29-6	PCB-1248 (Aroclor 1248)	475	
11097-69-1	PCB-1254 (Aroclor 1254)	277	
11096-82-5	PCB-1260 (Aroclor 1260)	77.4	J
1336-36-3	PCB, Total	829	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018011.D
Lab Smp Id: 40151549003 Client Smp ID: TD5-170612-01-BB-08
Inj Date : 20-MAR-2018 15:10
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549003 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 11
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.003	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.184	21635	14521	0.671	0.04		
1.687	15432	13239	0.858	0.02		
2.015	12558	10605	0.844	0.02		
2.412	29331	24064	0.820	0.05		
2.486	5562402	5154796	0.927	10.86	$ 2 Tetrachloro-m-xylene	
2.790	17548	17878	1.019	0.03		
2.852	50335	43194	0.858	0.09		
2.974	36132	30848	0.854	0.06		
3.022	27190	24000	0.883	0.05		
3.058	12660	12192	0.963	0.02		
3.318	59570	48029	0.806	0.11		
3.434	86524	80892	0.935	0.16		
3.520	212900	201729	0.948	0.39		
3.645	45984	41538	0.903	0.08		
3.732	329991	274534	0.832	0.61		
3.826	1314351	782990	0.596	2.44		
3.934	92225	55414	0.601	0.17		
3.994	200615	181645	0.905	0.37		
4.058	57088	48635	0.852	0.10		
4.215	830483	707955	0.852	1.54		
4.261	1345258	1277770	0.950	2.50	6 Aroclor 1248	BA
4.292	2666927	2265250	0.849	4.96		
4.349	35921	23871	0.665	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.418	684976	634402	0.926	1.27	
4.453	384000	337970	0.880	0.71	
4.506	17481	15736	0.900	0.03	
4.547	1474532	1346075	0.913	2.74	6 Aroclor 1248
4.589	232185	214330	0.923	0.43	
4.618	178091	153497	0.862	0.33	
4.681	140364	122600	0.873	0.26	
4.738	158221	138950	0.878	0.29	
4.767	395334	360482	0.912	0.73	
4.813	1237801	1147835	0.927	2.30	6 Aroclor 1248
4.848	375897	353450	0.940	0.70	
4.880	2697846	1568993	0.582	5.02	6 Aroclor 1248
4.957	396444	326417	0.823	0.73	
5.038	1087535	983254	0.904	2.02	6 Aroclor 1248
5.101	1275113	1101669	0.864	2.37	
5.159	987933	820064	0.830	1.84	7 Aroclor 1254
5.212	1075669	906473	0.843	2.00	
5.283	205637	205637	1.000	0.38	
5.307	441871	363214	0.822	0.82	
5.363	443108	394606	0.891	0.82	
5.407	1169508	1011914	0.865	2.17	7 Aroclor 1254
5.448	938350	787180	0.839	1.74	
5.479	178978	174085	0.973	0.33	
5.510	2103153	1813182	0.862	3.91	7 Aroclor 1254
5.576	98189	88325	0.900	0.18	
5.604	308374	270085	0.876	0.57	
5.674	766000	715973	0.935	1.42	
5.709	403157	328596	0.815	0.75	
5.742	480414	370569	0.771	0.89	
5.791	2532345	1907546	0.753	4.71	
5.886	358020	249153	0.696	0.66	
5.931	273006	229113	0.839	0.50	
5.992	540383	511661	0.947	1.00	
6.025	1334113	1102338	0.826	2.48	7 Aroclor 1254
6.056	907698	775194	0.854	1.69	
6.170	455092	277494	0.610	0.84	
6.227	151743	166546	1.098	0.28	
6.241	250264	206578	0.825	0.46	
6.301	2462586	1955466	0.794	4.58	7 Aroclor 1254
6.333	260848	223106	0.855	0.48	
6.373	128067	108388	0.846	0.23	
6.432	319427	265980	0.833	0.59	
6.510	721829	677322	0.938	1.34	
6.535	467299	415793	0.890	0.87	
6.559	153431	146521	0.955	0.28	
6.604	90160	69330	0.769	0.16	
6.661	49596	45104	0.909	0.09	
6.717	234411	198063	0.845	0.43	
6.759	287605	255953	0.890	0.53	
6.802	329295	286703	0.871	0.61	
6.839	157290	117049	0.744	0.29	
6.912	33473	30002	0.896	0.06	
6.942	195728	181133	0.925	0.36	
7.004	610591	562815	0.922	1.13	8 Aroclor 1260
7.033	51692	59037	1.142	0.09	
7.070	11073	12142	1.097	0.02	
7.118	43493	29666	0.682	0.08	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.251	342997	305434	0.890	0.63	8 Aroclor 1260
7.280	118518	94961	0.801	0.22	
7.388	269583	222668	0.826	0.50	
7.442	274373	236175	0.861	0.51	8 Aroclor 1260
7.550	24078	18260	0.758	0.04	
7.690	83303	75234	0.903	0.15	
7.728	97411	66464	0.682	0.18	
7.807	75204	44183	0.588	0.14	
7.899	218195	193881	0.889	0.40	8 Aroclor 1260
7.966	39386	20681	0.525	0.07	
8.049	122038	104143	0.853	0.22	
8.273	189882	174820	0.921	0.35	
8.376	18725	13899	0.742	0.03	
8.449	10454	9077	0.868	0.01	
8.571	4870797	4283330	0.879	9.07	$ 12 Decachlorobiphenyl
8.717	9734	9824	1.009	0.01	
8.940	16037	11102	0.692	0.02	
9.170	49155	39626	0.806	0.09	
9.462	13195	8105	0.614	0.02	
9.957	15904	11477	0.722	0.02	
	53668751	45399692		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018011.D
Lab Smp Id: 40151549003 Client Smp ID: TD5-170612-01-BB-08
Inj Date : 20-MAR-2018 15:10
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549003 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 11
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.003	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

1 Aroclor 1221 CAS #: 11104-28-2

Operator disabled compound identification.

$	2 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.486	2.484	0.002	5562402	0.04511	45			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1345257	0.57417	570	0.00- 20.00	100.00(M)	BA
4.547	4.546	0.001	1474532	0.35528	360	0.00- 20.00	109.61	BA
4.812	4.812	0.000	1237800	0.60973	610	0.00- 20.00	92.01	BA
4.879	4.879	0.000	2697846	0.53556	540	0.00- 20.00	200.55	BA
5.038	5.038	0.000	1087535	0.30306	300	0.00- 20.00	80.84	BA
Average of Peak Concentrations =					480			
7 Aroclor 1254					CAS #: 11097-69-1			
5.159	5.162	-0.003	987932	0.18871	190	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	1169508	0.27191	270	0.00- 20.00	118.38	BA
5.509	5.510	-0.001	2103152	0.27081	270	0.00- 20.00	212.88	BA
6.024	6.027	-0.003	1334113	0.27396	270	0.00- 20.00	135.04	BA
6.300	6.299	0.001	2462586	0.37845	380	0.00- 20.00	249.27	BA
Average of Peak Concentrations =					280			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	CO
7.004	7.006	-0.002	610591	0.06097	61	0.00- 20.00	26.86	CO
7.251	7.251	0.000	342997	0.07176	72	0.00- 20.00	13.93	CO
7.441	7.443	-0.002	274373	0.09412	94	0.00- 20.00	11.14	CO
7.898	7.901	-0.003	218194	0.08269	83	0.00- 20.00	8.86	CO
Average of Peak Concentrations =					77			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	4870796	0.04446	44			

QC Flag Legend

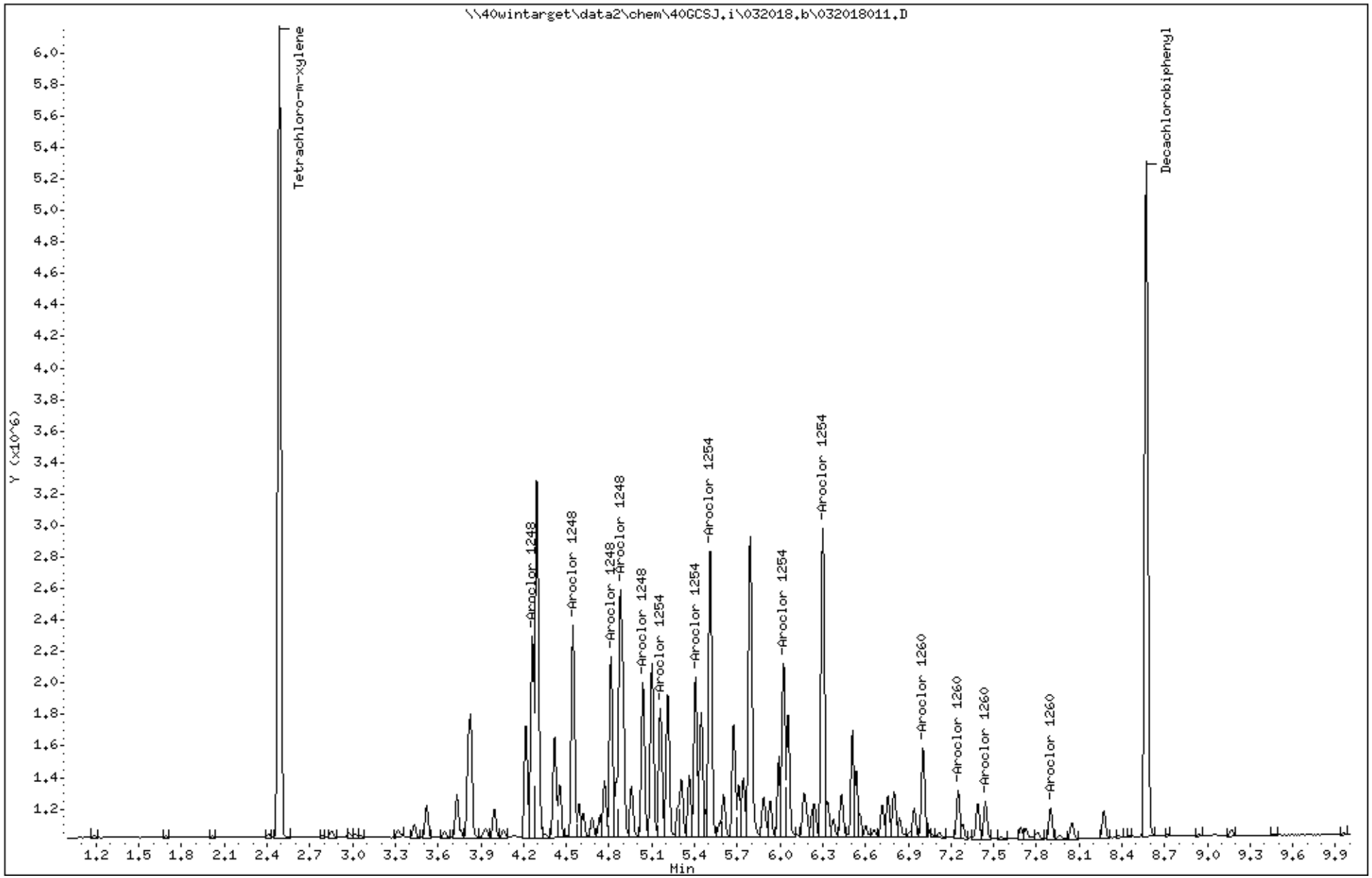
M - Compound response manually integrated.

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\40GCSJ.i\032018.b\032018011.D
Date : 20-MAR-2018 15:10
Client ID: TD5-170612-01-BB-08
Sample Info: 40151549003 x2,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



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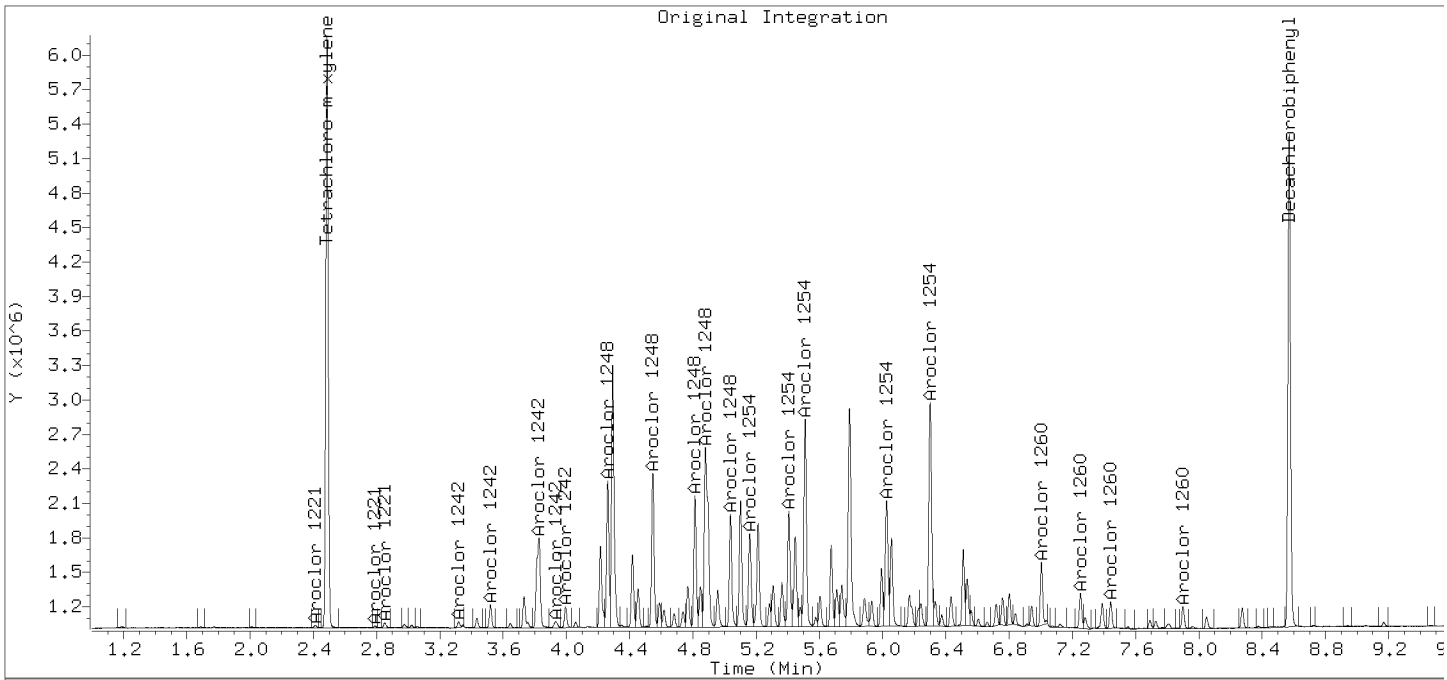
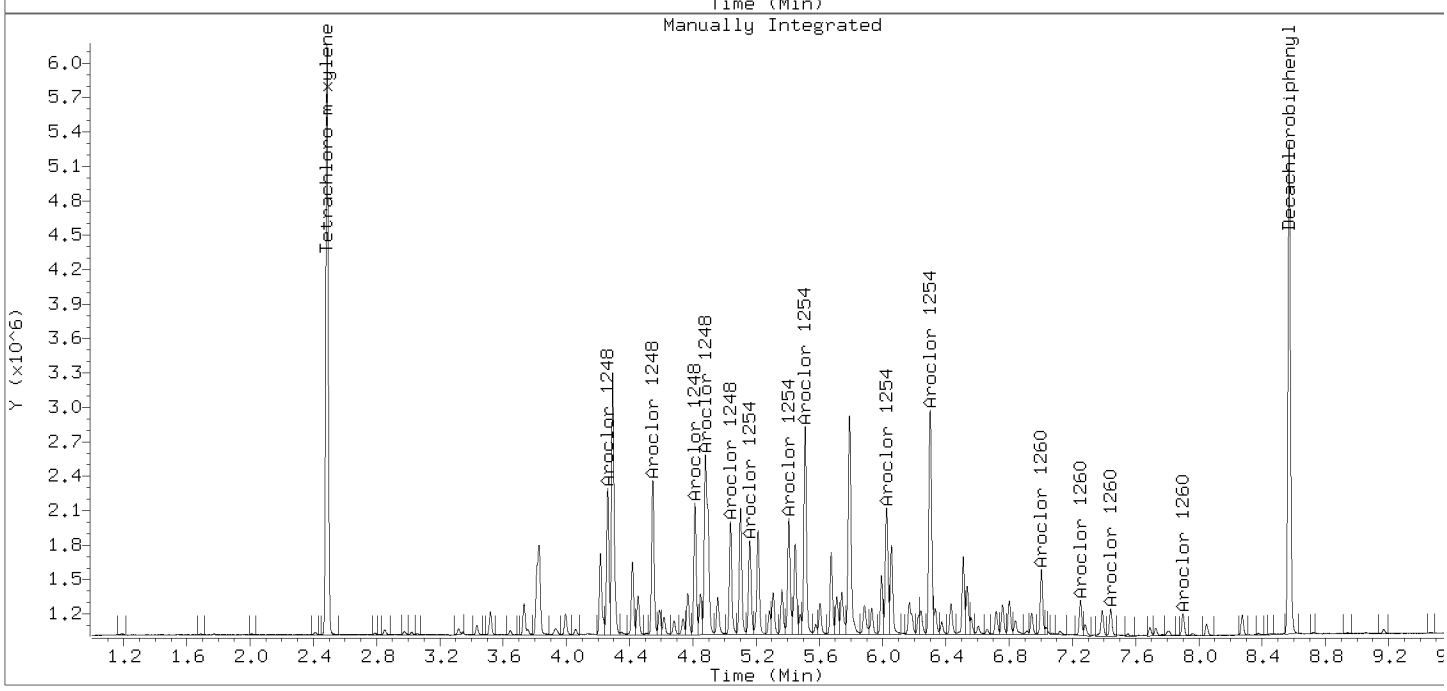
Injection Date: 20-MAR-2018 15:10 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549003





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	59570	0	
Aroclor 1016	59570	0	
Aroclor 1016	59570	0	
Aroclor 1016	59570	0	
Aroclor 1016	59570	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	50335	0	
Aroclor 1232	50335	0	
Aroclor 1232	50335	0	
Aroclor 1232	50335	0	

Aroclor 1232	50335	0	
Aroclor 1242	59570	0	
Aroclor 1242	59570	0	
Aroclor 1242	59570	0	
Aroclor 1242	59570	0	
Aroclor 1242	59570	0	
Aroclor 1248	1335787	1345257	BA
Aroclor 1248	1335787	1345257	BA
Aroclor 1248	1335787	1345257	BA
Aroclor 1248	1335787	1345257	BA
Aroclor 1248	1335787	1345257	BA
Aroclor 1254	969347	987932	BA
Aroclor 1254	969347	987932	BA
Aroclor 1254	969347	987932	BA
Aroclor 1254	969347	987932	BA
Aroclor 1254	969347	987932	BA
Aroclor 1260	2430976	0	CO
Aroclor 1260	2430976	0	CO
Aroclor 1260	2430976	0	CO
Aroclor 1260	2430976	0	CO
Aroclor 1260	2430976	0	CO
Tetrachloro-m-xylene	5562402	5562402	
Decachlorobiphenyl	4870796	4870796	

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SAMPLE NO.

TD5-170612-01-BB-07

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received: 06/13/2017 09:30

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/13/2018 07:38

Lab Sample ID: 40151549004

Date Analyzed: 03/20/2018 15:26

Lab File ID: 032018.B\032018012.D

Initial wt/vol: 10.0055 Final wt/vol: 5 mL Dilution: 2

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<22.8	U
11104-28-2	PCB-1221 (Aroclor 1221)	<22.8	U
11141-16-5	PCB-1232 (Aroclor 1232)	<22.8	U
53469-21-9	PCB-1242 (Aroclor 1242)	<22.8	U
12672-29-6	PCB-1248 (Aroclor 1248)	381	
11097-69-1	PCB-1254 (Aroclor 1254)	347	
11096-82-5	PCB-1260 (Aroclor 1260)	153	
1336-36-3	PCB, Total	880	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018012.D
Lab Smp Id: 40151549004 Client Smp ID: TD5-170612-01-BB-07
Inj Date : 20-MAR-2018 15:26
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549004 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.006	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.184	18637	15250	0.818	0.03		
1.687	19374	17826	0.920	0.03		
2.409	16100	12395	0.770	0.02		
2.485	5793362	5570515	0.962	10.51	$ 2 Tetrachloro-m-xylene	
2.787	16721	13530	0.809	0.02		
2.853	19118	14337	0.750	0.03		
2.974	32353	20720	0.640	0.05		
3.018	19250	16861	0.876	0.03		
3.319	19023	18513	0.973	0.03		
3.434	37869	35519	0.938	0.06		
3.520	58060	49421	0.851	0.09		
3.648	17322	14062	0.812	0.02		
3.732	124182	111192	0.895	0.21		
3.827	590256	404614	0.685	1.01		
3.937	39908	30085	0.754	0.06		
3.994	82130	78312	0.954	0.14		
4.058	39527	28057	0.710	0.06		
4.215	495206	434824	0.878	0.85		
4.261	758541	746007	0.983	1.30	6 Aroclor 1248	BA
4.292	2139049	1840981	0.861	3.67		
4.418	392916	374667	0.954	0.67		
4.451	178982	161634	0.903	0.30		
4.546	963059	921081	0.956	1.65	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.588	181324	169428	0.934	0.31	
4.616	57434	50398	0.877	0.09	
4.679	93083	79862	0.858	0.15	
4.737	123689	112161	0.907	0.21	
4.768	341974	322271	0.942	0.58	
4.813	1262486	1195570	0.947	2.16	6 Aroclor 1248
4.847	255169	246375	0.966	0.43	
4.879	2652262	1604869	0.605	4.55	6 Aroclor 1248
4.957	321688	265648	0.826	0.55	
5.037	723036	664691	0.919	1.24	6 Aroclor 1248
5.101	1244631	1093707	0.879	2.13	
5.158	1010925	845687	0.837	1.73	7 Aroclor 1254
5.212	1044179	871216	0.834	1.79	
5.284	251988	248462	0.986	0.43	
5.307	407168	334694	0.822	0.69	
5.362	404412	357912	0.885	0.69	
5.406	1255205	1123631	0.895	2.15	7 Aroclor 1254
5.447	1077204	911245	0.846	1.85	
5.480	145002	138983	0.958	0.24	
5.510	2122114	1801097	0.849	3.64	7 Aroclor 1254
5.576	98696	89496	0.907	0.16	
5.604	235801	205122	0.870	0.40	
5.675	900642	845506	0.939	1.54	
5.710	417197	350323	0.840	0.71	
5.742	740570	555824	0.751	1.27	
5.790	3840466	3046169	0.793	6.59	
5.886	418304	311149	0.744	0.71	
5.931	389861	312960	0.803	0.66	
5.993	881181	809790	0.919	1.51	
6.025	1812878	1515000	0.836	3.11	7 Aroclor 1254
6.055	865106	708730	0.819	1.48	
6.168	614530	399192	0.650	1.05	
6.227	258603	280831	1.086	0.44	
6.242	377055	322800	0.856	0.64	
6.300	3925994	3151258	0.803	6.74	7 Aroclor 1254
6.333	365126	331312	0.907	0.62	
6.374	192893	155027	0.804	0.33	
6.432	453901	383547	0.845	0.78	
6.509	1283178	1145737	0.893	2.20	
6.535	826078	730872	0.885	1.41	
6.559	242460	225099	0.928	0.41	
6.604	160701	129792	0.808	0.27	
6.658	71605	64886	0.906	0.12	
6.717	357224	310556	0.869	0.61	
6.758	440095	395516	0.899	0.75	
6.801	587596	521942	0.888	1.00	
6.838	248346	187617	0.755	0.42	
6.912	49852	49208	0.987	0.08	
6.943	230465	210874	0.915	0.39	
7.004	1237978	1155161	0.933	2.12	8 Aroclor 1260
7.035	103705	112376	1.084	0.17	
7.073	20424	21212	1.039	0.03	
7.120	57421	42122	0.734	0.09	
7.191	18726	10373	0.554	0.03	
7.250	682283	619910	0.909	1.17	8 Aroclor 1260
7.280	200028	173148	0.866	0.34	
7.388	516282	446419	0.865	0.88	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.442	511829	449166	0.878	0.87	8 Aroclor 1260
7.550	32454	31232	0.962	0.05	
7.690	159998	145254	0.908	0.27	
7.725	130040	114792	0.883	0.22	
7.762	19054	15886	0.834	0.03	
7.800	83052	47316	0.570	0.14	
7.900	447829	393069	0.878	0.76	8 Aroclor 1260
7.962	54585	34944	0.640	0.09	
8.049	81123	62757	0.774	0.13	
8.274	361904	321977	0.890	0.62	
8.378	26461	17783	0.672	0.04	
8.455	16065	9601	0.598	0.02	
8.570	5168076	4366608	0.845	8.88	$ 12 Decachlorobiphenyl
8.728	23629	15618	0.661	0.04	
8.938	17168	12566	0.732	0.02	
9.050	9675	8075	0.835	0.01	
9.169	79376	68824	0.867	0.13	
	58191487	49810634		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018012.D
Lab Smp Id: 40151549004 Client Smp ID: TD5-170612-01-BB-07
Inj Date : 20-MAR-2018 15:26
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549004 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.006	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

1 Aroclor 1221 CAS #: 11104-28-2

Compound Not Detected.

$ 2 Tetrachloro-m-xylene CAS #: 877-09-8

2.484	2.484	0.000	5793362	0.04699	47			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	758541	0.32375	320	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	963059	0.23205	230	0.00- 20.00	126.96	BA
4.813	4.812	0.001	1262485	0.62189	620	0.00- 20.00	166.44	BA
4.878	4.879	-0.001	2652261	0.52651	530	0.00- 20.00	349.65	BA
5.037	5.038	-0.001	723036	0.20148	200	0.00- 20.00	95.32	BA
Average of Peak Concentrations =					380			
7 Aroclor 1254					CAS #: 11097-69-1			
5.158	5.162	-0.004	1010925	0.19310	190	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	1255204	0.29184	290	0.00- 20.00	124.16	BA
5.509	5.510	-0.001	2122114	0.27325	270	0.00- 20.00	209.92	BA
6.025	6.027	-0.002	1812877	0.37228	370	0.00- 20.00	179.33	BA
6.299	6.299	0.000	3925993	0.60334	600	0.00- 20.00	388.36	BA
Average of Peak Concentrations =					350			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	CO
7.003	7.006	-0.003	1237977	0.12362	120	0.00- 20.00	34.13	CO
7.250	7.251	-0.001	682282	0.14274	140	0.00- 20.00	17.38	CO
7.442	7.443	-0.001	511829	0.17558	180	0.00- 20.00	13.04	CO
7.900	7.901	-0.001	447829	0.16971	170	0.00- 20.00	11.41	CO
Average of Peak Concentrations =					150			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	5168076	0.04717	47			

QC Flag Legend

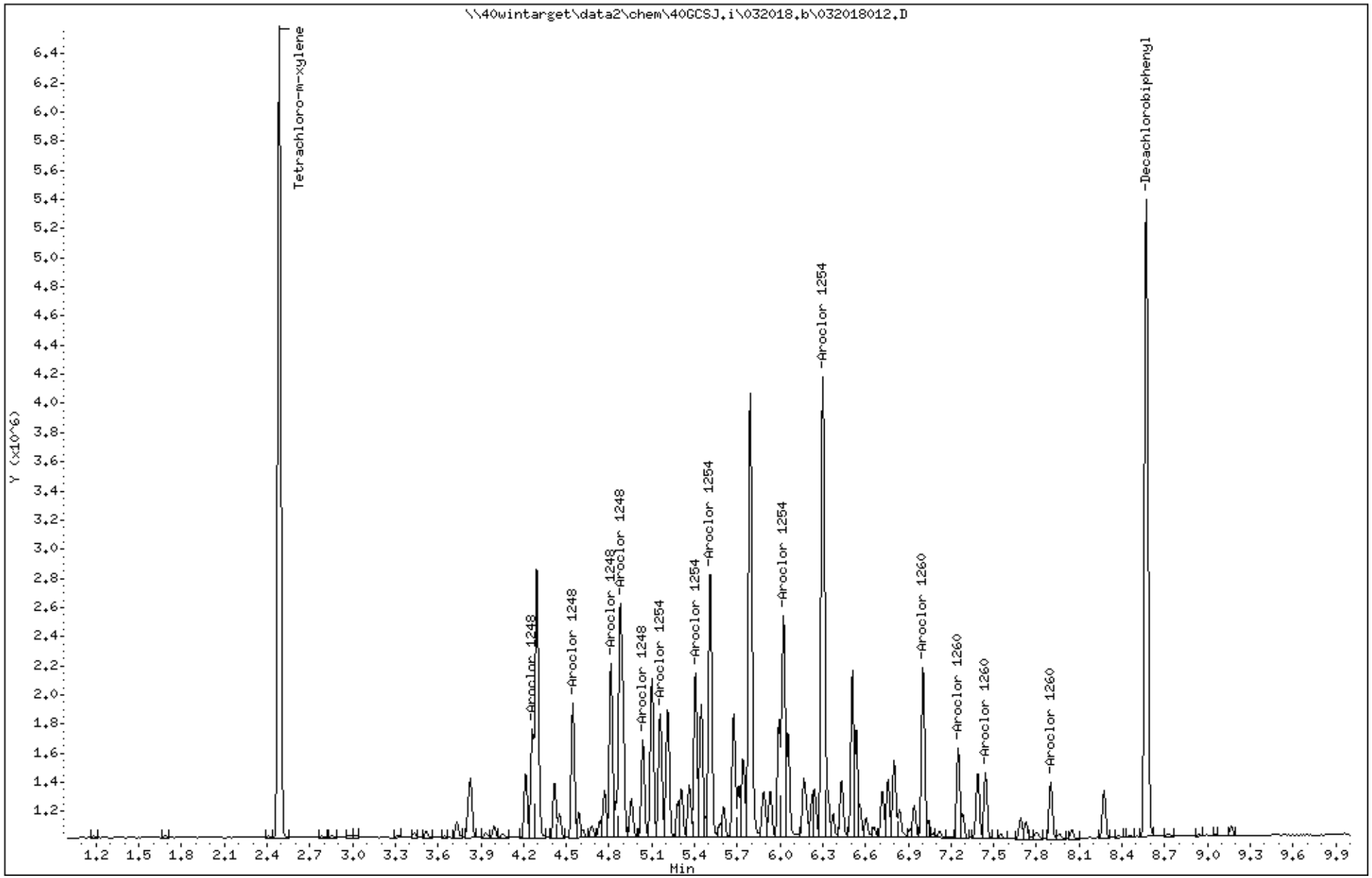
M - Compound response manually integrated.

Review Codes Legend

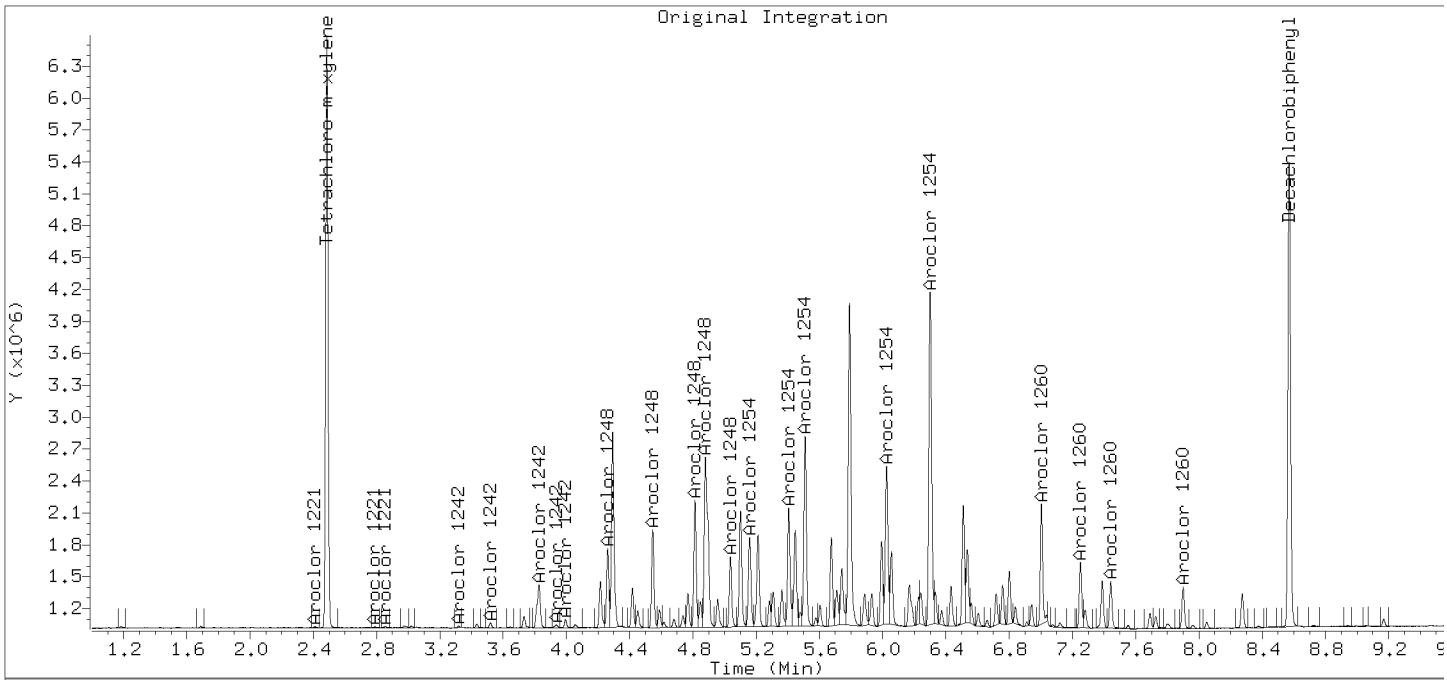
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

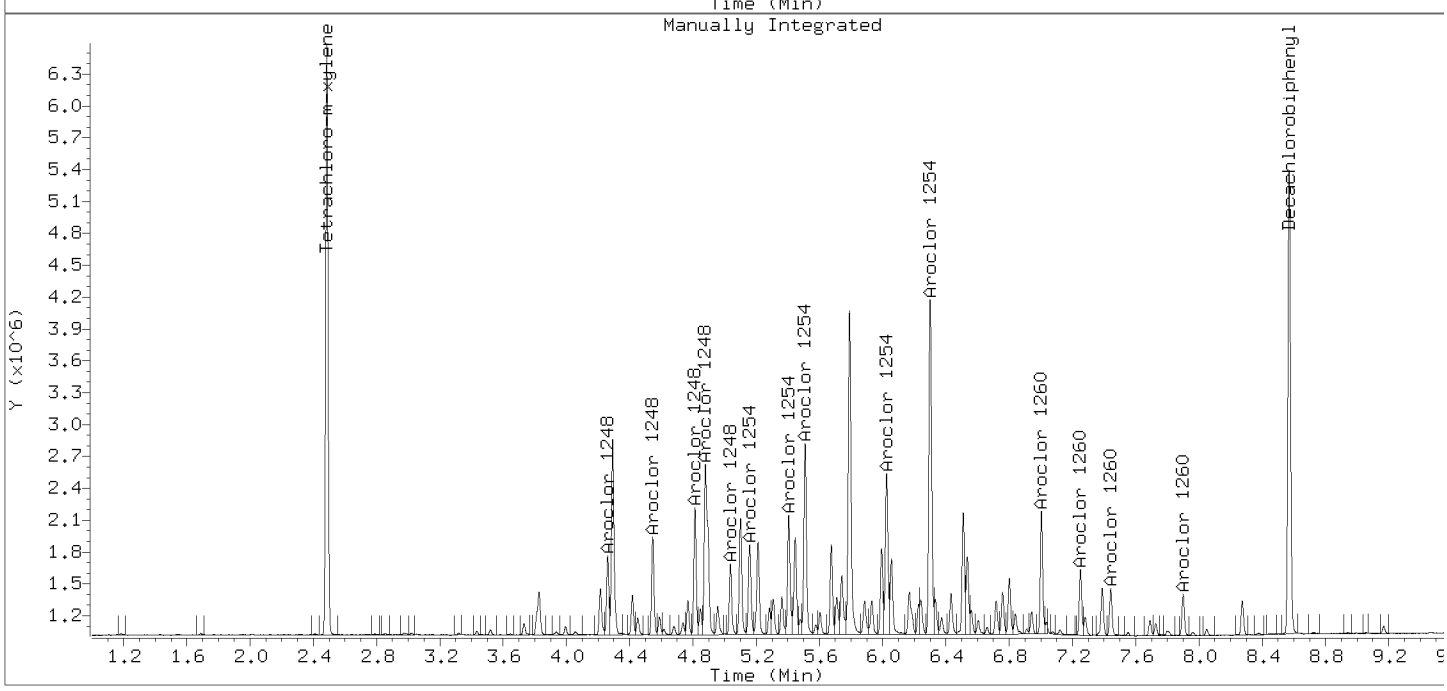
Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018012.D
Date : 20-MAR-2018 15:26
Client ID: TD5-170612-01-BB-07
Sample Info: 40151549004 x2,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b/032018012.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 20-MAR-2018 15:26 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549004





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	19022	0	
Aroclor 1016	19022	0	
Aroclor 1016	19022	0	
Aroclor 1016	19022	0	
Aroclor 1016	19022	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	19117	0	
Aroclor 1232	19117	0	
Aroclor 1232	19117	0	
Aroclor 1232	19117	0	

Aroclor 1232	19117	0	
Aroclor 1242	19022	0	
Aroclor 1242	19022	0	
Aroclor 1242	19022	0	
Aroclor 1242	19022	0	
Aroclor 1242	19022	0	
Aroclor 1248	745461	758541	BA
Aroclor 1248	745461	758541	BA
Aroclor 1248	745461	758541	BA
Aroclor 1248	745461	758541	BA
Aroclor 1248	745461	758541	BA
Aroclor 1254	986876	1010925	BA
Aroclor 1254	986876	1010925	BA
Aroclor 1254	986876	1010925	BA
Aroclor 1254	986876	1010925	BA
Aroclor 1254	986876	1010925	BA
Aroclor 1260	3850836	0	CO
Aroclor 1260	3850836	0	CO
Aroclor 1260	3850836	0	CO
Aroclor 1260	3850836	0	CO
Aroclor 1260	3850836	0	CO
Tetrachloro-m-xylene	5793362	5793362	
Decachlorobiphenyl	5168076	5168076	

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SAMPLE NO.

TD5-170612-01-BB-06

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION
Date Received: 06/13/2017 09:30
Matrix: Tissue SDG No.: 40151549
Date Extracted: 03/13/2018 07:38
Lab Sample ID: 40151549005
Date Analyzed: 03/14/2018 15:19
Lab File ID: 031418.B\031418012.D
Initial wt/vol: 10.0008 Final wt/vol: 5 mL Dilution: 5
Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<57.0	U
11104-28-2	PCB-1221 (Aroclor 1221)	<57.0	U
11141-16-5	PCB-1232 (Aroclor 1232)	<57.0	U
53469-21-9	PCB-1242 (Aroclor 1242)	<57.0	U
12672-29-6	PCB-1248 (Aroclor 1248)	1400	
11097-69-1	PCB-1254 (Aroclor 1254)	906	
11096-82-5	PCB-1260 (Aroclor 1260)	297	
1336-36-3	PCB, Total	2600	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418012.D
Lab Smp Id: 40151549005 Client Smp ID: TD5-170612-01-BB-06
Inj Date : 14-MAR-2018 15:19
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549005 x5,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.001	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
2.409	33420	24428	0.731	0.05		
2.485	2391653	2322891	0.971	4.02	$ 2 Tetrachloro-m-xylene	
2.785	12008	9699	0.808	0.02		
2.850	23129	17240	0.745	0.03		
2.974	22616	16383	0.724	0.03		
3.019	19004	18122	0.954	0.03		
3.054	20001	19791	0.990	0.03		
3.317	43136	41876	0.971	0.07		
3.343	21195	20765	0.980	0.03		
3.434	128146	114871	0.896	0.21		
3.519	193342	181721	0.940	0.32		
3.646	52926	46687	0.882	0.08		
3.732	326494	292841	0.897	0.54		
3.827	1173383	805814	0.687	1.97		
3.938	77751	48876	0.629	0.13		
3.995	269931	259457	0.961	0.45		
4.058	62882	57821	0.920	0.10		
4.135	14201	14250	1.003	0.02		
4.216	990612	843499	0.851	1.66		
4.261	1555282	1500648	0.965	2.61	6 Aroclor 1248	BA
4.292	4570441	3971194	0.869	8.17		
4.418	646496	619352	0.958	1.08		
4.453	414378	385917	0.931	0.69		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.547	1911719	1783118	0.933	3.21	6 Aroclor 1248
4.588	302611	287353	0.950	0.50	
4.617	96258	83697	0.870	0.16	
4.681	195266	180591	0.925	0.32	
4.737	237910	208197	0.875	0.40	
4.769	644371	618388	0.960	1.08	
4.814	1552814	1499828	0.966	2.61	6 Aroclor 1248
4.848	332330	313048	0.942	0.55	
4.879	2952058	1781259	0.603	4.96	6 Aroclor 1248
4.957	452259	385748	0.853	0.76	
5.038	1143485	1067125	0.933	1.92	6 Aroclor 1248
5.102	1547522	1341551	0.867	2.60	
5.160	1328481	1163904	0.876	2.23	7 Aroclor 1254
5.213	1384358	1193826	0.862	2.32	
5.284	269798	287653	1.066	0.45	
5.307	513803	428850	0.835	0.86	
5.363	535162	485674	0.908	0.90	
5.406	1545737	1377584	0.891	2.60	7 Aroclor 1254
5.446	1012459	863809	0.853	1.70	
5.479	211532	214092	1.012	0.35	
5.511	2785790	2467356	0.886	4.68	7 Aroclor 1254
5.578	119393	115786	0.970	0.20	
5.604	338598	313229	0.925	0.56	
5.675	936546	873073	0.932	1.57	
5.710	480501	410964	0.855	0.80	
5.742	725595	571936	0.788	1.22	
5.791	3332961	2698833	0.810	5.60	
5.887	444001	348412	0.785	0.74	
5.932	319368	238331	0.746	0.53	
5.994	790629	762398	0.964	1.33	
6.026	1699862	1463562	0.861	2.85	7 Aroclor 1254
6.055	1142415	979138	0.857	1.92	
6.118	16765	12579	0.750	0.02	
6.169	583613	379020	0.649	0.98	
6.228	208581	232537	1.115	0.35	
6.243	339400	280004	0.825	0.57	
6.302	3196953	2579666	0.807	5.37	7 Aroclor 1254
6.335	305153	293885	0.963	0.51	
6.374	149386	127473	0.853	0.25	
6.433	364564	305951	0.839	0.61	
6.511	1158293	1072840	0.926	1.94	
6.536	602454	565838	0.939	1.01	
6.561	212557	212277	0.999	0.35	
6.605	116007	105784	0.912	0.19	
6.661	66168	62544	0.945	0.11	
6.718	353957	319395	0.902	0.59	
6.761	449542	401456	0.893	0.75	
6.801	479379	437564	0.913	0.80	
6.840	193538	146768	0.758	0.32	
6.913	45687	44491	0.974	0.07	
6.942	170434	160611	0.942	0.28	
7.006	1009099	956322	0.948	1.69	8 Aroclor 1260
7.036	100953	95445	0.945	0.16	
7.075	17113	19092	1.116	0.02	
7.122	51761	40392	0.780	0.08	
7.252	519762	485224	0.934	0.87	8 Aroclor 1260
7.281	157852	135637	0.859	0.26	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.390	443447	381002	0.859	0.74	
7.443	428270	372071	0.869	0.72	8 Aroclor 1260
7.553	31942	26641	0.834	0.05	
7.693	130058	116903	0.899	0.21	
7.729	97854	87680	0.896	0.16	
7.805	58051	35224	0.607	0.09	
7.902	314718	266951	0.848	0.52	8 Aroclor 1260
7.960	40084	26031	0.649	0.06	
8.051	53154	47491	0.893	0.08	
8.276	261329	231804	0.887	0.43	
8.572	2319842	2036744	0.878	3.90	$ 12 Decachlorobiphenyl
9.170	36977	33476	0.905	0.06	
9.469	11078	9830	0.887	0.01	
	59443792	51587099		100.000	

Total unknown % area = 55

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418012.D
Lab Smp Id: 40151549005 Client Smp ID: TD5-170612-01-BB-06
Inj Date : 14-MAR-2018 15:19
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549005 x5,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.001	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

1 Aroclor 1221 CAS #: 11104-28-2

Operator disabled compound identification.

$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	2391653	0.01940	48			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1555281	0.66381	1600	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	1911719	0.46062	1200	0.00- 20.00	122.92	BA
4.813	4.812	0.001	1552813	0.76490	1900	0.00- 20.00	99.84	BA
4.878	4.879	-0.001	2952057	0.58602	1500	0.00- 20.00	189.81	BA
5.037	5.038	-0.001	1143485	0.31865	800	0.00- 20.00	73.52	BA
Average of Peak Concentrations =					1400			
7 Aroclor 1254					CAS #: 11097-69-1			
5.159	5.162	-0.003	1328480	0.25376	630	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	1545737	0.35939	900	0.00- 20.00	116.35	BA
5.510	5.510	0.000	2785790	0.35871	900	0.00- 20.00	209.70	BA
6.026	6.027	-0.001	1699862	0.34907	870	0.00- 20.00	127.96	BA
6.301	6.299	0.002	3196953	0.49130	1200	0.00- 20.00	240.65	BA
Average of Peak Concentrations =					910			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	BA
7.005	7.006	-0.001	1009098	0.10076	250	0.00- 20.00	0.00	BA
7.251	7.251	0.000	519761	0.10874	270	0.00- 20.00	0.00	BA
7.443	7.443	0.000	428270	0.14691	370	0.00- 20.00	0.00	BA
7.901	7.901	0.000	314718	0.11927	300	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					300			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	2319842	0.02117	53			

QC Flag Legend

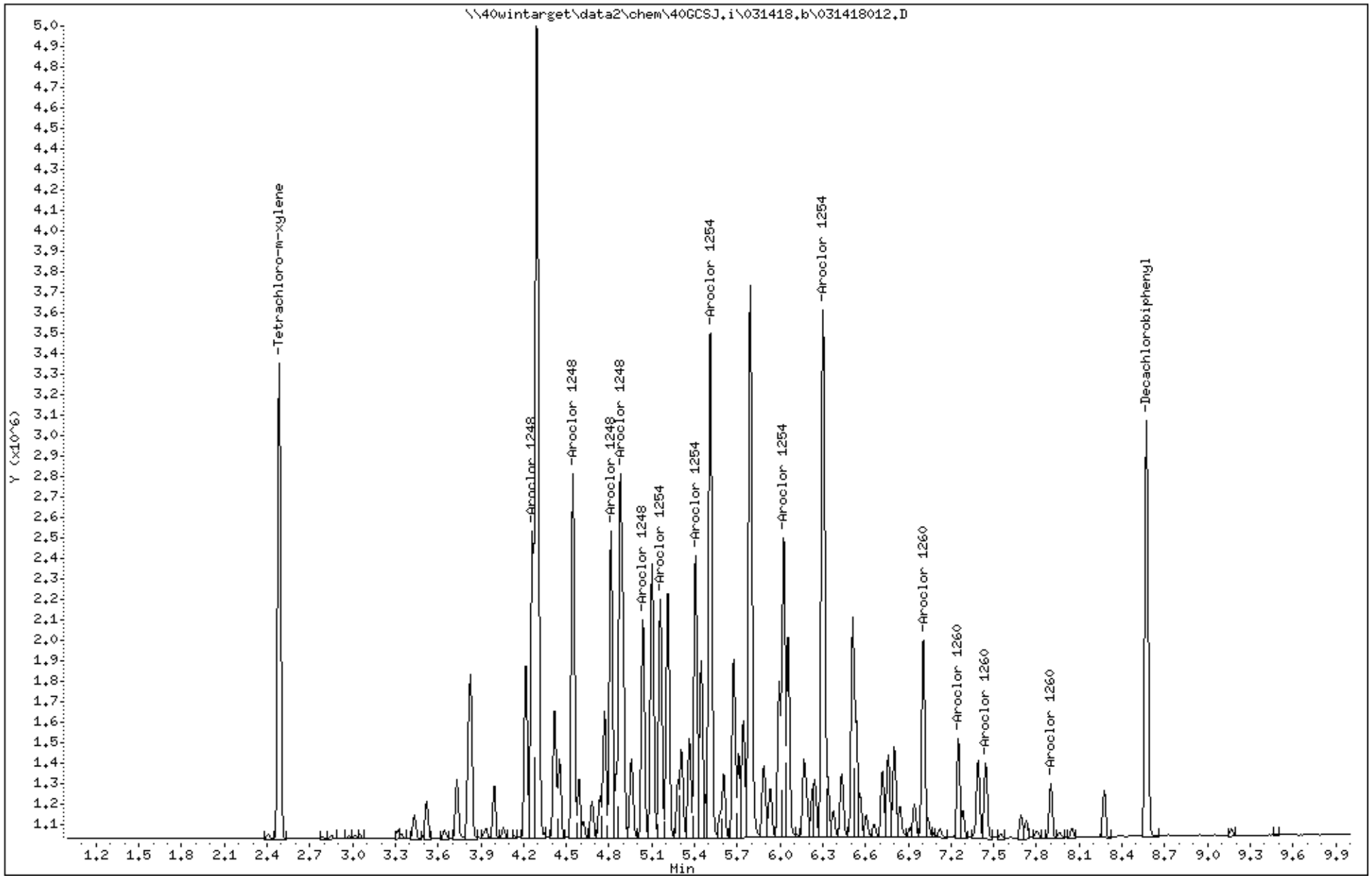
M - Compound response manually integrated.

Review Codes Legend

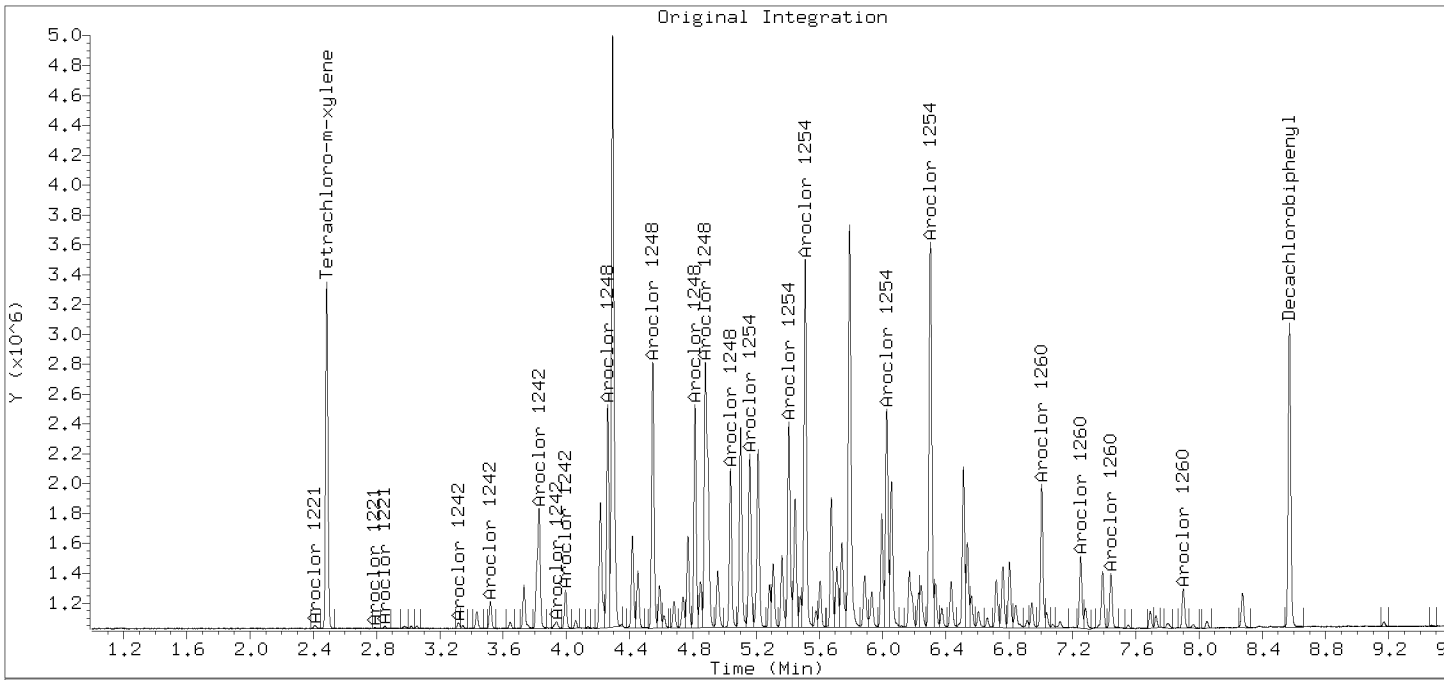
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

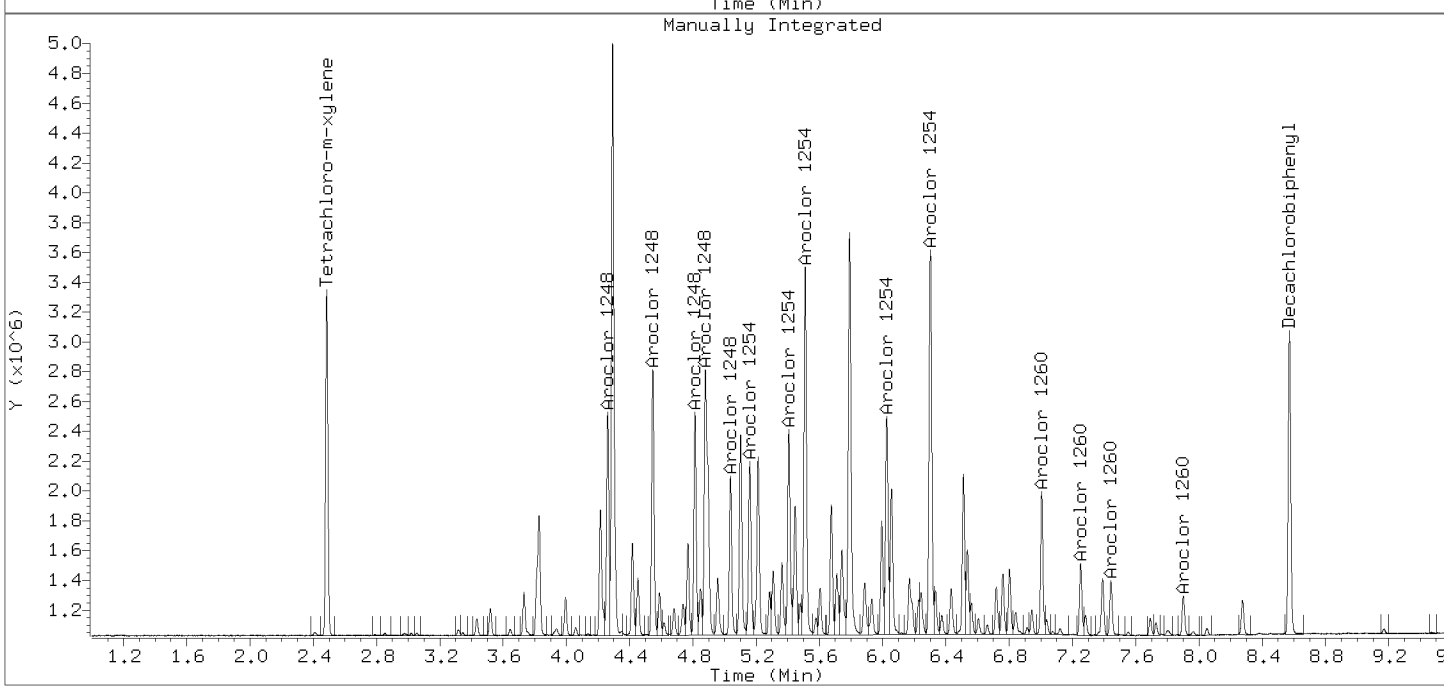
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418012.D
Date : 14-MAR-2018 15:19
Client ID: TD5-170612-01-BB-06
Sample Info: 40151549005 x5,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418012.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 15:19 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549005





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	43136	0	
Aroclor 1016	43136	0	
Aroclor 1016	43136	0	
Aroclor 1016	43136	0	
Aroclor 1016	43136	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	23128	0	
Aroclor 1232	23128	0	
Aroclor 1232	23128	0	
Aroclor 1232	23128	0	

Aroclor 1232	23128	0	
Aroclor 1242	43136	0	
Aroclor 1242	43136	0	
Aroclor 1242	43136	0	
Aroclor 1242	43136	0	
Aroclor 1242	43136	0	
Aroclor 1248	1536982	1555281	BA
Aroclor 1248	1536982	1555281	BA
Aroclor 1248	1536982	1555281	BA
Aroclor 1248	1536982	1555281	BA
Aroclor 1248	1536982	1555281	BA
Aroclor 1254	1315683	1328480	BA
Aroclor 1254	1315683	1328480	BA
Aroclor 1254	1315683	1328480	BA
Aroclor 1254	1315683	1328480	BA
Aroclor 1254	1315683	1328480	BA
Aroclor 1260	3197305	0	BA
Aroclor 1260	3197305	0	BA
Aroclor 1260	3197305	0	BA
Aroclor 1260	3197305	0	BA
Aroclor 1260	3197305	0	BA
Tetrachloro-m-xylene	2391653	2391653	
Decachlorobiphenyl	2319842	2319842	

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SAMPLE NO.

TD5-170612-01-BB-05

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received: 06/13/2017 09:30

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/13/2018 07:38

Lab Sample ID: 40151549006

Date Analyzed: 03/14/2018 15:35

Lab File ID: 031418.B\031418013.D

Initial wt/vol: 10.0138 Final wt/vol: 5 mL Dilution: 2

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<22.8	U
11104-28-2	PCB-1221 (Aroclor 1221)	<22.8	U
11141-16-5	PCB-1232 (Aroclor 1232)	<22.8	U
53469-21-9	PCB-1242 (Aroclor 1242)	<22.8	U
12672-29-6	PCB-1248 (Aroclor 1248)	381	
11097-69-1	PCB-1254 (Aroclor 1254)	235	
11096-82-5	PCB-1260 (Aroclor 1260)	180	
1336-36-3	PCB, Total	796	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418013.D
Lab Smp Id: 40151549006 Client Smp ID: TD5-170612-01-BB-05
Inj Date : 14-MAR-2018 15:35
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549006 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 13
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.014	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS	REVIEW CODE
1.539	9709	8306	0.855	0.01			
2.411	23284	17491	0.751	0.04		1 Aroclor 1221	
2.484	5619961	5391526	0.959	10.52	$	2 Tetrachloro-m-xylene	
2.786	15759	14852	0.942	0.02		1 Aroclor 1221	
2.856	25263	16100	0.637	0.04		1 Aroclor 1221	
2.976	31135	19393	0.623	0.05			
3.019	15370	15119	0.984	0.02			
3.054	18102	13557	0.749	0.03			
3.318	34902	32475	0.930	0.06			
3.344	26449	19379	0.733	0.04			
3.435	122327	112491	0.920	0.21			
3.521	85867	72624	0.846	0.15			
3.645	52293	44553	0.852	0.09			
3.731	303779	274855	0.905	0.54			
3.827	1064522	723313	0.679	1.90			
3.939	45555	29524	0.648	0.08			
3.995	63561	55287	0.870	0.11			
4.058	62246	49737	0.799	0.11			
4.135	14761	13789	0.934	0.02			
4.215	486575	381226	0.783	0.87			
4.261	824494	808225	0.980	1.47		6 Aroclor 1248	BA
4.293	4069797	3527354	0.867	7.27			
4.345	38216	27940	0.731	0.06			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.418	315509	291841	0.925	0.56	
4.452	201908	183157	0.907	0.36	
4.547	1248590	1178111	0.944	2.23	6 Aroclor 1248
4.589	366801	304736	0.831	0.65	
4.679	169040	151190	0.894	0.30	
4.736	208578	190358	0.913	0.37	
4.769	603226	575692	0.954	1.07	
4.813	1265152	1209258	0.956	2.26	6 Aroclor 1248
4.848	161629	155132	0.960	0.28	
4.879	2461067	1463668	0.595	4.40	6 Aroclor 1248
4.957	382303	319110	0.835	0.68	
5.038	520324	471696	0.907	0.93	6 Aroclor 1248
5.101	1406892	1293922	0.920	2.51	
5.157	1046335	922468	0.882	1.87	7 Aroclor 1254
5.212	1050523	868681	0.827	1.87	
5.283	289849	288969	0.997	0.51	
5.307	524869	463412	0.883	0.93	
5.363	229414	199190	0.868	0.41	
5.406	1183072	1072214	0.906	2.11	7 Aroclor 1254
5.447	784100	657753	0.839	1.40	
5.479	127198	129713	1.020	0.22	
5.509	1643436	1466670	0.892	2.93	7 Aroclor 1254
5.579	129963	118929	0.915	0.23	
5.603	122189	102811	0.841	0.21	
5.675	650240	608281	0.935	1.16	
5.710	414195	363916	0.879	0.74	
5.743	629884	528865	0.840	1.12	
5.791	2760612	2189556	0.793	4.93	
5.885	370634	284995	0.769	0.66	
5.932	401806	354681	0.883	0.71	
5.994	877938	817581	0.931	1.56	
6.024	1233806	1040937	0.844	2.20	7 Aroclor 1254
6.056	899213	761187	0.847	1.60	
6.169	421616	273123	0.648	0.75	
6.228	135567	192671	1.421	0.24	
6.242	343014	248608	0.725	0.61	
6.302	3109702	2563641	0.824	5.56	8 Aroclor 1260
6.333	248486	228883	0.921	0.44	
6.374	115996	98359	0.848	0.20	
6.432	474685	417877	0.880	0.84	
6.510	1204133	1106662	0.919	2.15	
6.536	493234	481132	0.975	0.88	
6.562	217388	197074	0.907	0.38	
6.605	100790	84144	0.835	0.18	
6.659	61472	54710	0.890	0.10	
6.719	298094	255634	0.858	0.53	
6.759	445027	397431	0.893	0.79	
6.803	395368	364437	0.922	0.70	
6.838	216245	165796	0.767	0.38	
6.914	51633	49563	0.960	0.09	
6.943	197079	187450	0.951	0.35	
7.005	1044920	954958	0.914	1.86	8 Aroclor 1260
7.035	104465	98155	0.940	0.18	
7.076	19075	17643	0.925	0.03	
7.122	44284	39827	0.899	0.07	
7.252	486863	453153	0.931	0.87	8 Aroclor 1260
7.283	165232	143822	0.870	0.29	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.338	10796	10462	0.969	0.01	
7.390	479611	421322	0.878	0.85	
7.443	512633	445697	0.869	0.91	8 Aroclor 1260
7.513	10323	9389	0.910	0.01	
7.552	40117	31303	0.780	0.07	
7.690	135413	127388	0.941	0.24	
7.727	149740	114535	0.765	0.26	
7.804	79900	46290	0.579	0.14	
7.861	12611	11467	0.909	0.02	
7.901	447663	400231	0.894	0.80	8 Aroclor 1260
7.964	60347	35639	0.591	0.10	
8.050	71406	64159	0.899	0.12	
8.276	381790	341902	0.896	0.68	
8.380	23130	12321	0.533	0.04	
8.573	5289353	4589478	0.868	9.45	$ 12 Decachlorobiphenyl
9.052	10088	10144	1.006	0.01	
9.170	71068	57428	0.808	0.12	
9.464	12264	8172	0.666	0.02	
	55926845	48509876		100.000	

Total unknown % area = 50

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418013.D
Lab Smp Id: 40151549006 Client Smp ID: TD5-170612-01-BB-05
Inj Date : 14-MAR-2018 15:35
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549006 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 13
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.014	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

1 Aroclor 1221 CAS #: 11104-28-2

Compound Not Detected.

$ 2 Tetrachloro-m-xylene CAS #: 877-09-8

2.484	2.484	0.000	5619960	0.04558	46			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	824493	0.35190	350	0.00- 20.00	100.00(M)	BA
4.547	4.546	0.001	1248589	0.30084	300	0.00- 20.00	151.44	BA
4.813	4.812	0.001	1265152	0.62320	620	0.00- 20.00	153.45	BA
4.879	4.879	0.000	2461067	0.48855	490	0.00- 20.00	298.49	BA
5.038	5.038	0.000	520323	0.14500	140	0.00- 20.00	63.11	BA
Average of Peak Concentrations =					380			
7 Aroclor 1254					CAS #: 11097-69-1			
5.157	5.162	-0.005	1046335	0.19986	200	0.00- 20.00	100.00(M)	BA
5.405	5.408	-0.003	1183072	0.27507	270	0.00- 20.00	113.07	BA
5.509	5.510	-0.001	1643436	0.21162	210	0.00- 20.00	157.07	BA
6.024	6.027	-0.003	1233806	0.25336	250	0.00- 20.00	117.92	BA
6.299	6.299	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					230			
8 Aroclor 1260					CAS #: 11096-82-5			
6.302	6.300	0.002	3109701	0.35089	350	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	1044920	0.10434	100	0.00- 20.00	33.60	BA
7.251	7.251	0.000	486863	0.10186	100	0.00- 20.00	15.66	BA
7.442	7.443	-0.001	512633	0.17585	180	0.00- 20.00	16.48	BA
7.901	7.901	0.000	447663	0.16965	170	0.00- 20.00	14.40	BA
Average of Peak Concentrations =					180			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.572	8.571	0.001	5289352	0.04828	48			

QC Flag Legend

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\40GCSJ.i\031418.b\031418013.D

Date : 14-MAR-2018 15:35

Client ID: TD5-170612-01-BB-05

Instrument: 40GCSJ.i

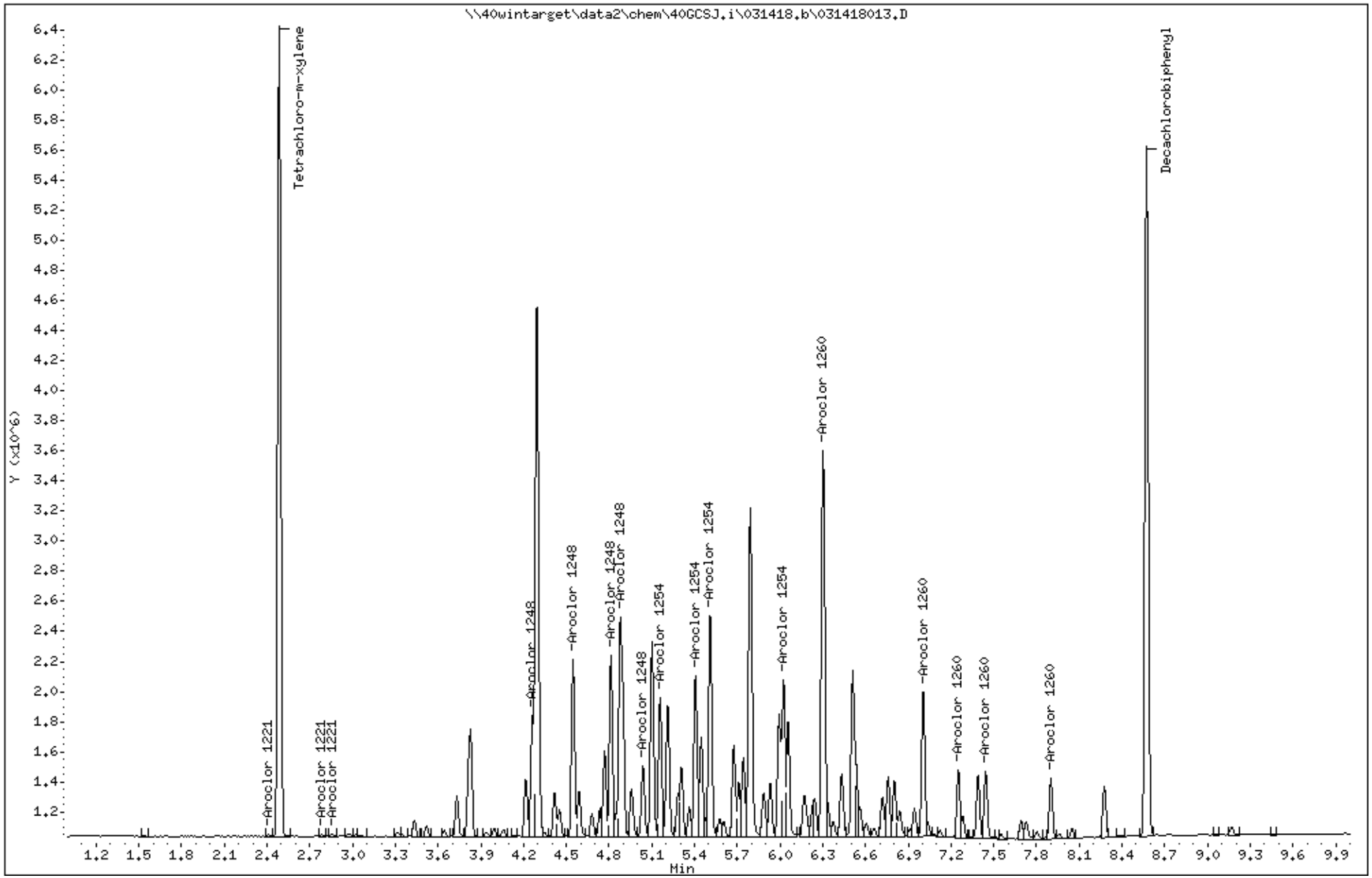
Sample Info: 40151549006 x2,

Volume Injected (uL): 1.0

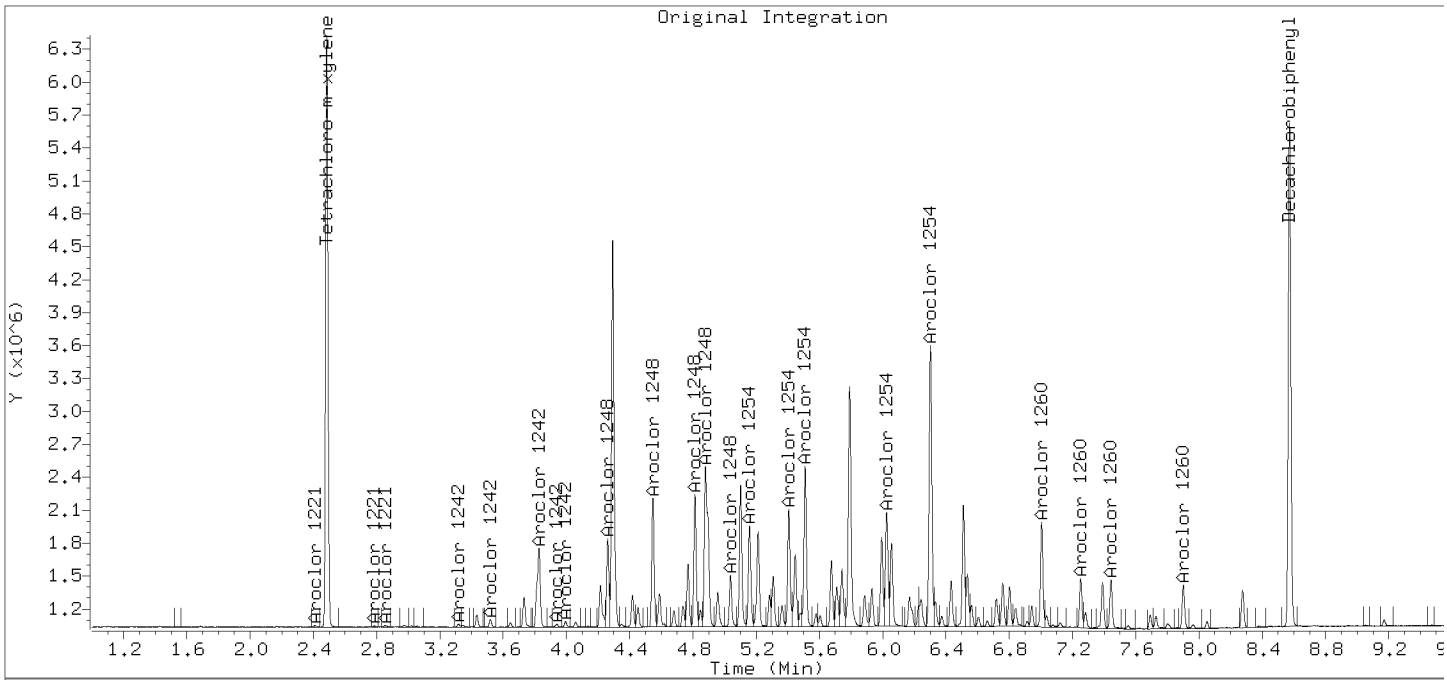
Operator: BLM

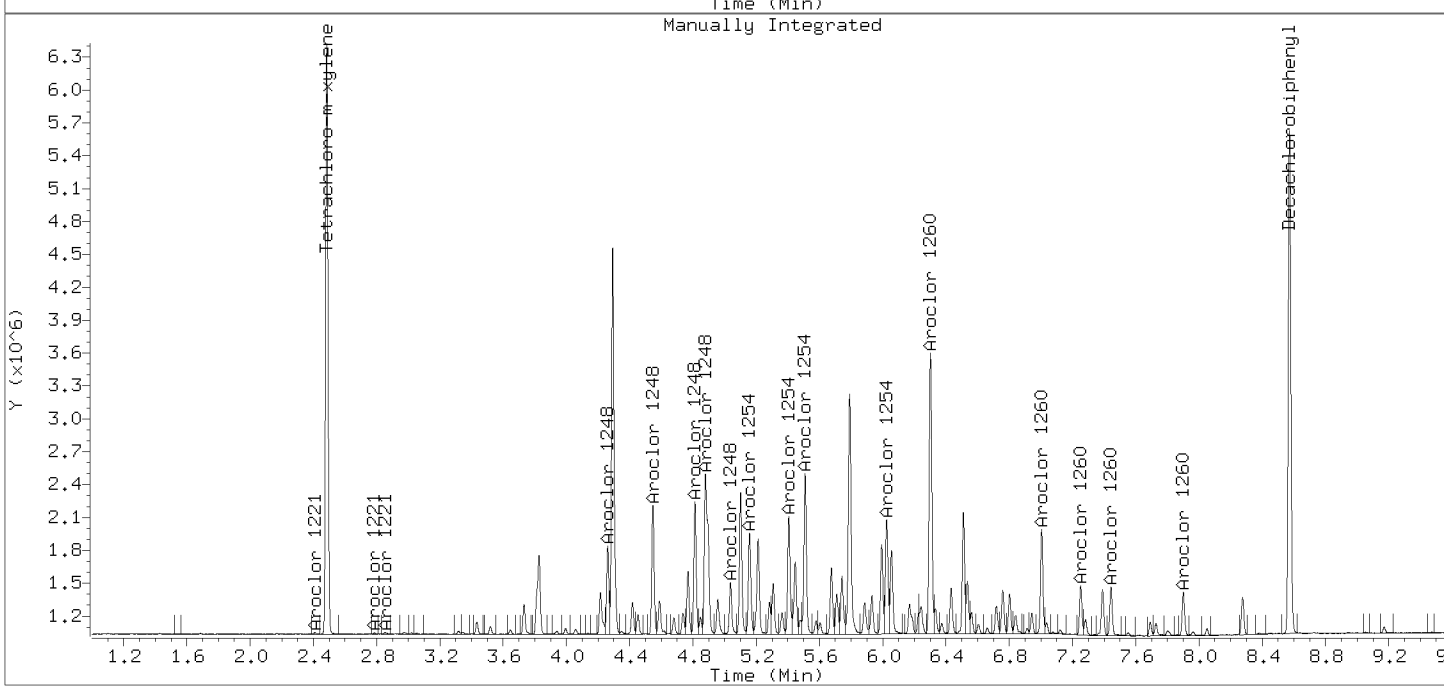
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418013.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 15:35 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549006





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	34902	0	
Aroclor 1016	34902	0	
Aroclor 1016	34902	0	
Aroclor 1016	34902	0	
Aroclor 1016	34902	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	25262	0	
Aroclor 1232	25262	0	
Aroclor 1232	25262	0	
Aroclor 1232	25262	0	

Aroclor 1232	25262	0	
Aroclor 1242	34902	0	
Aroclor 1242	34902	0	
Aroclor 1242	34902	0	
Aroclor 1242	34902	0	
Aroclor 1242	34902	0	
Aroclor 1248	816751	824493	BA
Aroclor 1248	816751	824493	BA
Aroclor 1248	816751	824493	BA
Aroclor 1248	816751	824493	BA
Aroclor 1248	816751	824493	BA
Aroclor 1254	1032334	1046335	BA
Aroclor 1254	1032334	1046335	BA
Aroclor 1254	1032334	1046335	BA
Aroclor 1254	1032334	1046335	BA
Aroclor 1254	1032334	1046335	BA
Aroclor 1260	3099086	3109701	BA
Aroclor 1260	3099086	3109701	BA
Aroclor 1260	3099086	3109701	BA
Aroclor 1260	3099086	3109701	BA
Aroclor 1260	3099086	3109701	BA
Tetrachloro-m-xylene	5619960	5619960	
Decachlorobiphenyl	5289352	5289352	

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SAMPLE NO.

TD5-170612-01-BB-04

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION
Date Received: 06/13/2017 09:30
Matrix: Tissue SDG No.: 40151549
Date Extracted: 03/13/2018 07:38
Lab Sample ID: 40151549007
Date Analyzed: 03/27/2018 14:26
Lab File ID: 032718.B\032718006.D
Initial wt/vol: 10.0021 Final wt/vol: 5 mL Dilution: 4
Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<45.6	U
11104-28-2	PCB-1221 (Aroclor 1221)	<45.6	U
11141-16-5	PCB-1232 (Aroclor 1232)	<45.6	U
53469-21-9	PCB-1242 (Aroclor 1242)	<45.6	U
12672-29-6	PCB-1248 (Aroclor 1248)	840	
11097-69-1	PCB-1254 (Aroclor 1254)	741	
11096-82-5	PCB-1260 (Aroclor 1260)	315	
1336-36-3	PCB, Total	1900	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718006.D
Lab Smp Id: 40151549007 Client Smp ID: TD5-170612-01-BB-04
Inj Date : 27-MAR-2018 14:26
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549007 x4,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 02-Apr-2018 11:53 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 6
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.002	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.671	10620	6215	0.585	0.01		
1.768	9945	9374	0.943	0.01		
2.412	30687	24417	0.796	0.05		
2.485	2943707	2836346	0.964	5.05	$ 2 Tetrachloro-m-xylene	
2.790	16672	12807	0.768	0.02		
2.851	53550	45312	0.846	0.09		
3.022	16432	13771	0.838	0.02		
3.054	20793	15976	0.768	0.03		
3.319	48427	47225	0.975	0.08		
3.344	37867	35782	0.945	0.06		
3.434	117043	111738	0.955	0.20		
3.520	155279	147276	0.948	0.26		
3.647	21757	19115	0.879	0.03		
3.731	126138	93229	0.739	0.21		
3.828	604855	389351	0.644	1.03		
3.934	65587	39919	0.609	0.11		
3.995	114848	105971	0.923	0.19		
4.058	57472	48626	0.846	0.09		
4.140	20666	15084	0.730	0.03		
4.216	491770	429277	0.873	0.84		
4.261	754554	728411	0.965	1.29	6 Aroclor 1248	BA
4.293	2875685	2478635	0.862	4.93		
4.417	461705	425296	0.921	0.79		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.452	258566	234964	0.909	0.44	
4.546	1196226	1112358	0.930	2.05	6 Aroclor 1248
4.589	297528	276235	0.928	0.51	
4.618	92512	81125	0.877	0.15	
4.682	97708	84384	0.864	0.16	
4.739	181034	155000	0.856	0.31	
4.769	566610	538959	0.951	0.97	
4.814	1419696	1327501	0.935	2.43	6 Aroclor 1248
4.848	327502	303217	0.926	0.56	
4.880	2820823	1640098	0.581	4.84	6 Aroclor 1248
4.957	417963	330029	0.790	0.71	
5.038	830652	751790	0.905	1.42	6 Aroclor 1248
5.101	1681470	1473324	0.876	2.88	
5.159	1245942	1071040	0.860	2.13	7 Aroclor 1254
5.213	1124541	895423	0.796	1.93	
5.284	326921	332066	1.016	0.56	
5.308	604099	495405	0.820	1.03	
5.363	407907	352520	0.864	0.70	
5.407	1475443	1311628	0.889	2.53	7 Aroclor 1254
5.446	963186	780736	0.811	1.65	
5.478	204574	186510	0.912	0.35	
5.510	2325304	2009471	0.864	3.99	7 Aroclor 1254
5.579	137040	125033	0.912	0.23	
5.605	272530	232717	0.854	0.46	
5.676	1249071	1141712	0.914	2.14	
5.709	562480	470329	0.836	0.96	
5.743	815746	656960	0.805	1.40	
5.791	3782323	2816886	0.745	6.49	
5.886	481509	369283	0.767	0.82	
5.932	536494	447807	0.835	0.92	
5.994	1074932	979585	0.911	1.84	
6.026	1742252	1469456	0.843	2.99	7 Aroclor 1254
6.057	761636	618627	0.812	1.30	
6.169	669376	404914	0.605	1.14	
6.228	219773	273440	1.244	0.37	
6.243	441385	343277	0.778	0.75	
6.303	3991868	3208791	0.804	7.30	7 Aroclor 1254
6.333	375782	333580	0.888	0.64	
6.374	180586	151800	0.841	0.30	
6.433	628879	541896	0.862	1.07	
6.510	1341510	1246549	0.929	2.30	
6.534	717507	628767	0.876	1.23	
6.560	254407	242853	0.955	0.43	
6.604	136143	114312	0.840	0.23	
6.661	79596	72413	0.910	0.13	
6.719	398419	348173	0.874	0.68	
6.759	543686	488798	0.899	0.93	
6.802	564390	509031	0.902	0.96	
6.841	277036	208378	0.752	0.47	
6.913	66323	62393	0.941	0.11	
6.944	221842	204972	0.924	0.38	
7.004	1243414	1132565	0.911	2.13	8 Aroclor 1260
7.036	129589	117257	0.905	0.22	
7.074	25031	23612	0.943	0.04	
7.121	61560	51587	0.838	0.10	
7.253	629198	559544	0.889	1.08	8 Aroclor 1260
7.282	195531	169972	0.869	0.33	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.389	583137	494566	0.848	1.00	
7.442	587040	510523	0.870	1.00	8 Aroclor 1260
7.551	36218	33003	0.911	0.06	
7.690	168521	146989	0.872	0.28	
7.728	152524	125001	0.820	0.26	
7.801	79057	53344	0.675	0.13	
7.900	456406	397887	0.872	0.78	8 Aroclor 1260
7.963	56173	35877	0.639	0.09	
8.051	64740	55250	0.853	0.11	
8.274	376368	329133	0.874	0.64	
8.380	17590	11968	0.680	0.03	
8.504	10808	7385	0.683	0.01	
8.571	2868451	2418377	0.843	4.92	$ 12 Decachlorobiphenyl
9.167	51249	35946	0.701	0.08	
9.962	15551	10515	0.676	0.02	
	58254942	49255969		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718006.D
Lab Smp Id: 40151549007 Client Smp ID: TD5-170612-01-BB-04
Inj Date : 27-MAR-2018 14:26
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549007 x4,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 02-Apr-2018 11:53 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 6
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.002	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221						CAS #: 11104-28-2		
Operator disabled compound identification.								
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	2943706	0.02388	48			
3 Aroclor 1242						CAS #: 53469-21-9		
Operator disabled compound identification.								
4 Aroclor 1232						CAS #: 1114-16-5		
Operator disabled compound identification.								

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	754554	0.32205	640	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	1196225	0.28823	580	0.00- 20.00	158.53	BA
4.813	4.812	0.001	1419695	0.69933	1400	0.00- 20.00	188.15	BA
4.879	4.879	0.000	2820823	0.55997	1100	0.00- 20.00	373.84	BA
5.037	5.038	-0.001	830651	0.23147	460	0.00- 20.00	110.09	BA
Average of Peak Concentrations =					840			
7 Aroclor 1254					CAS #: 11097-69-1			
5.158	5.162	-0.004	1245942	0.23799	480	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	1475442	0.34304	680	0.00- 20.00	118.42	BA
5.509	5.510	-0.001	2325304	0.29942	600	0.00- 20.00	186.63	BA
6.025	6.027	-0.002	1742251	0.35777	720	0.00- 20.00	139.83	BA
6.302	6.299	0.003	3991868	0.61346	1200	0.00- 20.00	320.39	BA
Average of Peak Concentrations =					740			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	BA
7.004	7.006	-0.002	1243414	0.12416	250	0.00- 20.00	31.15	BA
7.252	7.251	0.001	629197	0.13164	260	0.00- 20.00	15.76	BA
7.441	7.443	-0.002	587039	0.20138	400	0.00- 20.00	14.71	BA
7.899	7.901	-0.002	456405	0.17296	340	0.00- 20.00	11.43	BA
Average of Peak Concentrations =					320			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	2868450	0.02618	52			

QC Flag Legend

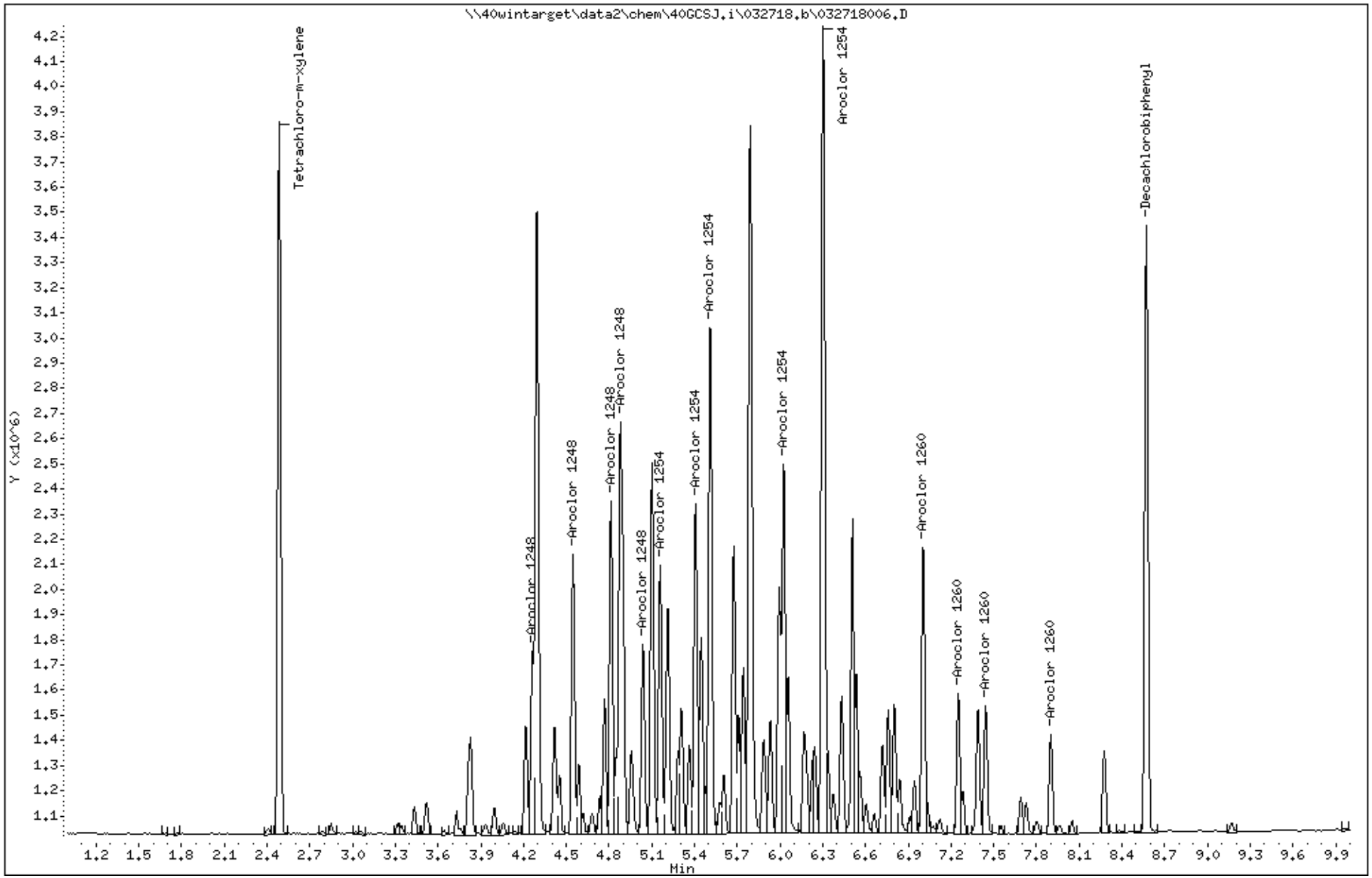
M - Compound response manually integrated.

Review Codes Legend

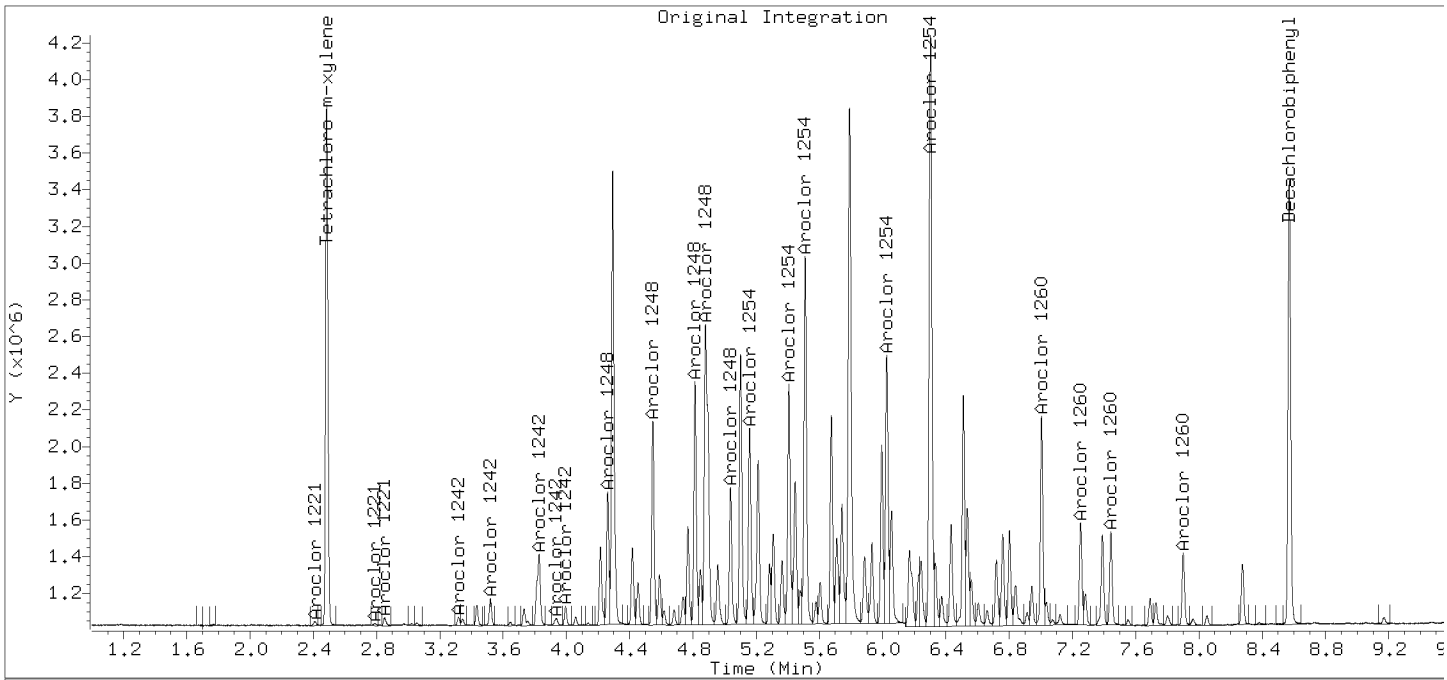
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

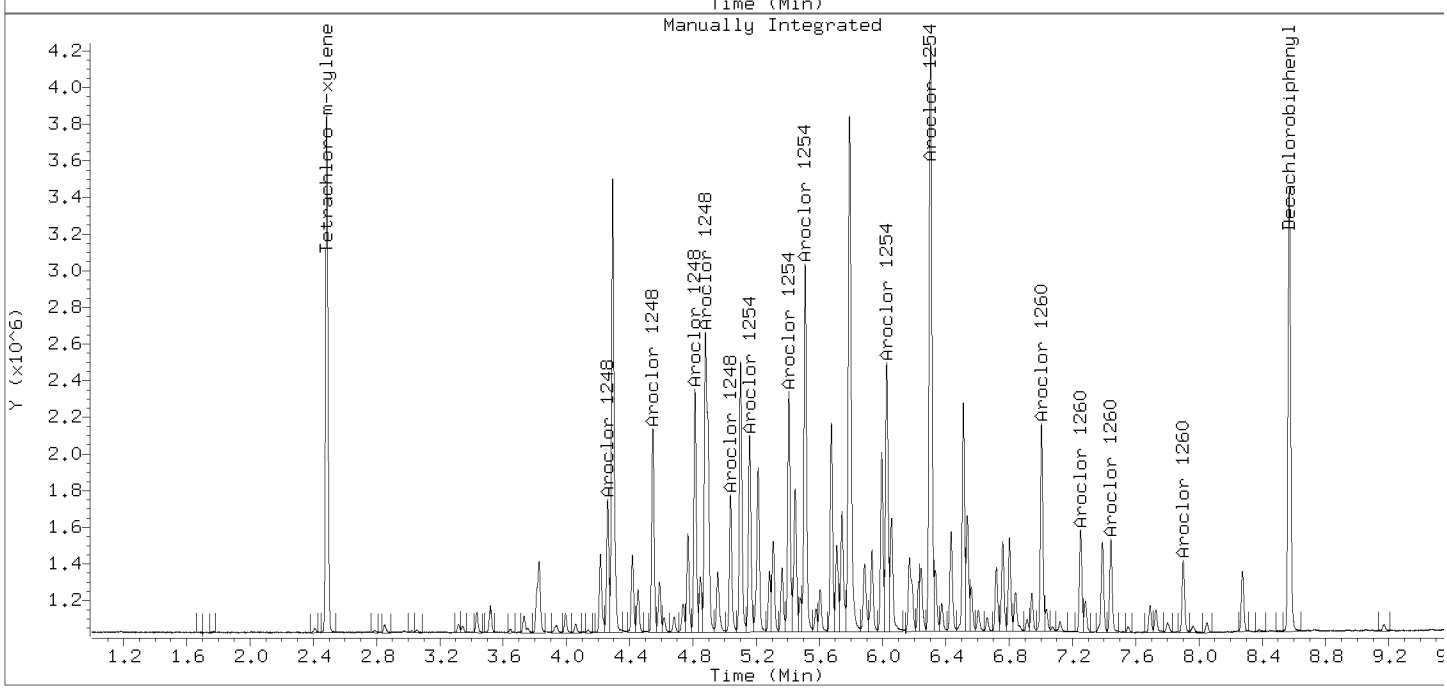
Data File: \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718006.D
Date : 27-MAR-2018 14:26
Client ID: TD5-170612-01-BB-04
Sample Info: 40151549007 x4,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032718.b/032718006.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 27-MAR-2018 14:26 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549007





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	48426	0	
Aroclor 1016	48426	0	
Aroclor 1016	48426	0	
Aroclor 1016	48426	0	
Aroclor 1016	48426	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	53550	0	
Aroclor 1232	53550	0	
Aroclor 1232	53550	0	
Aroclor 1232	53550	0	

Aroclor 1232	53550	0	
Aroclor 1242	48426	0	
Aroclor 1242	48426	0	
Aroclor 1242	48426	0	
Aroclor 1242	48426	0	
Aroclor 1242	48426	0	
Aroclor 1248	739631	754554	BA
Aroclor 1248	739631	754554	BA
Aroclor 1248	739631	754554	BA
Aroclor 1248	739631	754554	BA
Aroclor 1248	739631	754554	BA
Aroclor 1254	1232850	1245942	BA
Aroclor 1254	1232850	1245942	BA
Aroclor 1254	1232850	1245942	BA
Aroclor 1254	1232850	1245942	BA
Aroclor 1254	1232850	1245942	BA
Aroclor 1260	4027398	0	BA
Aroclor 1260	4027398	0	BA
Aroclor 1260	4027398	0	BA
Aroclor 1260	4027398	0	BA
Aroclor 1260	4027398	0	BA
Tetrachloro-m-xylene	2943706	2943706	
Decachlorobiphenyl	2868450	2868450	

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SAMPLE NO.

TD5-170612-01-BB-03

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION
Date Received: 06/13/2017 09:30
Matrix: Tissue SDG No.: 40151549
Date Extracted: 03/13/2018 07:38
Lab Sample ID: 40151549008
Date Analyzed: 03/14/2018 16:06
Lab File ID: 031418.B\031418015.D
Initial wt/vol: 10.0178 Final wt/vol: 5 mL Dilution: 2
Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<22.8	U
11104-28-2	PCB-1221 (Aroclor 1221)	<22.8	U
11141-16-5	PCB-1232 (Aroclor 1232)	<22.8	U
53469-21-9	PCB-1242 (Aroclor 1242)	<22.8	U
12672-29-6	PCB-1248 (Aroclor 1248)	414	
11097-69-1	PCB-1254 (Aroclor 1254)	317	
11096-82-5	PCB-1260 (Aroclor 1260)	110	
1336-36-3	PCB, Total	842	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418015.D
Lab Smp Id: 40151549008 Client Smp ID: TD5-170612-01-BB-03
Inj Date : 14-MAR-2018 16:06
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549008 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 15
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.018	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.182	27077	23981	0.886	0.04		
1.425	13605	9429	0.693	0.02		
1.534	9709	6443	0.664	0.01		
1.687	12261	6634	0.541	0.02		
2.010	22128	15758	0.712	0.03		
2.412	16619	15308	0.921	0.02		
2.484	5571291	5554472	0.997	10.57	$ 2 Tetrachloro-m-xylene	
2.788	17782	11775	0.662	0.03		
2.975	28604	21145	0.739	0.05		
3.021	30105	19195	0.638	0.05		
3.317	17582	18538	1.054	0.03		
3.432	44140	40770	0.924	0.07		
3.520	69146	67902	0.982	0.12		
3.646	23414	17668	0.755	0.04		
3.732	147761	130004	0.880	0.26		
3.827	910748	674295	0.740	1.64		
3.937	41668	25953	0.623	0.07		
3.994	120162	108612	0.904	0.21		
4.058	38743	31579	0.815	0.06		
4.215	530924	478134	0.901	0.95		
4.262	748805	721003	0.963	1.35	6 Aroclor 1248	BA
4.292	2571020	2262712	0.880	4.64		
4.417	509842	485417	0.952	0.92		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.452	197284	174192	0.883	0.35	
4.546	1003703	982389	0.979	1.81	6 Aroclor 1248
4.588	190864	178800	0.937	0.34	
4.619	59922	51454	0.859	0.10	
4.680	82226	71641	0.871	0.14	
4.736	138195	115677	0.837	0.24	
4.768	371539	353287	0.951	0.67	
4.813	1492642	1426846	0.956	2.69	6 Aroclor 1248
4.848	381047	372675	0.978	0.68	
4.879	2881005	1873169	0.650	5.20	6 Aroclor 1248
4.956	313828	253170	0.807	0.56	
5.037	743945	708652	0.953	1.34	6 Aroclor 1248
5.101	1240433	1099682	0.887	2.23	
5.159	983943	868290	0.882	1.77	7 Aroclor 1254
5.212	987793	848779	0.859	1.78	
5.284	243347	242806	0.998	0.43	
5.309	390647	331532	0.849	0.70	
5.363	396922	357586	0.901	0.71	
5.407	1237900	1119754	0.905	2.23	7 Aroclor 1254
5.447	986459	849736	0.861	1.78	
5.478	145582	139125	0.956	0.26	
5.510	1992753	1736032	0.871	3.59	7 Aroclor 1254
5.577	91752	84018	0.916	0.16	
5.605	208149	187172	0.899	0.37	
5.676	877622	817999	0.932	1.58	
5.709	399057	337976	0.847	0.72	
5.742	656183	519778	0.792	1.18	
5.792	3412579	2793040	0.818	6.16	
5.886	369126	292116	0.791	0.66	
5.933	338282	261192	0.772	0.61	
5.995	713562	657762	0.922	1.28	
6.025	1632172	1391088	0.852	2.94	7 Aroclor 1254
6.057	771452	626588	0.812	1.39	
6.169	519280	336610	0.648	0.93	
6.227	189435	223267	1.179	0.34	
6.243	357609	297960	0.833	0.64	
6.302	3383551	2750599	0.813	6.10	7 Aroclor 1254
6.334	326157	290610	0.891	0.58	
6.373	161805	130034	0.804	0.29	
6.434	394728	330190	0.836	0.71	
6.510	1087343	987343	0.908	1.96	
6.535	704866	651750	0.925	1.27	
6.560	186513	173949	0.933	0.33	
6.605	135212	107092	0.792	0.24	
6.659	67031	58234	0.869	0.12	
6.719	301651	262168	0.869	0.54	
6.760	399498	356821	0.893	0.72	
6.802	486986	426958	0.877	0.87	
6.840	209031	154032	0.737	0.37	
6.912	44050	39546	0.898	0.07	
6.943	177846	167142	0.940	0.32	
7.006	879420	828895	0.943	1.58	8 Aroclor 1260
7.038	98069	90250	0.920	0.17	
7.076	19438	18753	0.965	0.03	
7.121	44020	34815	0.791	0.07	
7.252	506356	466333	0.921	0.91	8 Aroclor 1260
7.282	162186	137264	0.846	0.29	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.336	15743	11725	0.745	0.02	
7.391	387280	331526	0.856	0.69	
7.444	392752	324584	0.826	0.70	8 Aroclor 1260
7.553	26111	25648	0.982	0.04	
7.692	114175	104764	0.918	0.20	
7.728	107478	89889	0.836	0.19	
7.764	13490	15486	1.148	0.02	
7.801	81426	39213	0.482	0.14	
7.900	298548	262992	0.881	0.53	8 Aroclor 1260
7.961	47539	27757	0.584	0.08	
8.048	64554	55175	0.855	0.11	
8.275	254544	228250	0.897	0.45	
8.383	21418	16744	0.782	0.03	
8.450	12145	8821	0.726	0.02	
8.572	5140000	4759446	0.926	9.27	$ 12 Decachlorobiphenyl
8.639	11423	7646	0.669	0.02	
8.942	18752	13403	0.715	0.03	
9.169	68080	59328	0.871	0.12	
9.463	11258	8338	0.741	0.02	
9.968	14363	10447	0.727	0.02	
	55398216	48592527		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418015.D
Lab Smp Id: 40151549008 Client Smp ID: TD5-170612-01-BB-03
Inj Date : 14-MAR-2018 16:06
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549008 x2,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 15
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.018	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	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

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
2.484	2.484	0.000	5571290	0.04519	45			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.260	4.261	-0.001	748805	0.31960	320	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	1003703	0.24184	240	0.00- 20.00	134.04	BA
4.812	4.812	0.000	1492641	0.73526	730	0.00- 20.00	199.34	BA
4.878	4.879	-0.001	2881005	0.57192	570	0.00- 20.00	384.75	BA
5.037	5.038	-0.001	743944	0.20731	210	0.00- 20.00	99.35	BA
Average of Peak Concentrations =					410			
7 Aroclor 1254					CAS #: 11097-69-1			
5.159	5.162	-0.003	983942	0.18795	190	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	1237900	0.28781	290	0.00- 20.00	125.81	BA
5.509	5.510	-0.001	1992753	0.25660	260	0.00- 20.00	202.53	BA
6.024	6.027	-0.003	1632171	0.33517	330	0.00- 20.00	165.88	BA
6.301	6.299	0.002	3383551	0.51998	520	0.00- 20.00	343.88	BA
Average of Peak Concentrations =					320			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	BA
7.005	7.006	-0.001	879419	0.08782	88	0.00- 20.00	0.00	BA
7.251	7.251	0.000	506355	0.10594	100	0.00- 20.00	0.00	BA
7.443	7.443	0.000	392751	0.13473	130	0.00- 20.00	0.00	BA
7.900	7.901	-0.001	298548	0.11314	110	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					110			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	5139999	0.04691	47			

QC Flag Legend

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\40GCSJ.i\031418.b\031418015.D

Date : 14-MAR-2018 16:06

Client ID: TD5-170612-01-BB-03

Instrument: 40GCSJ.i

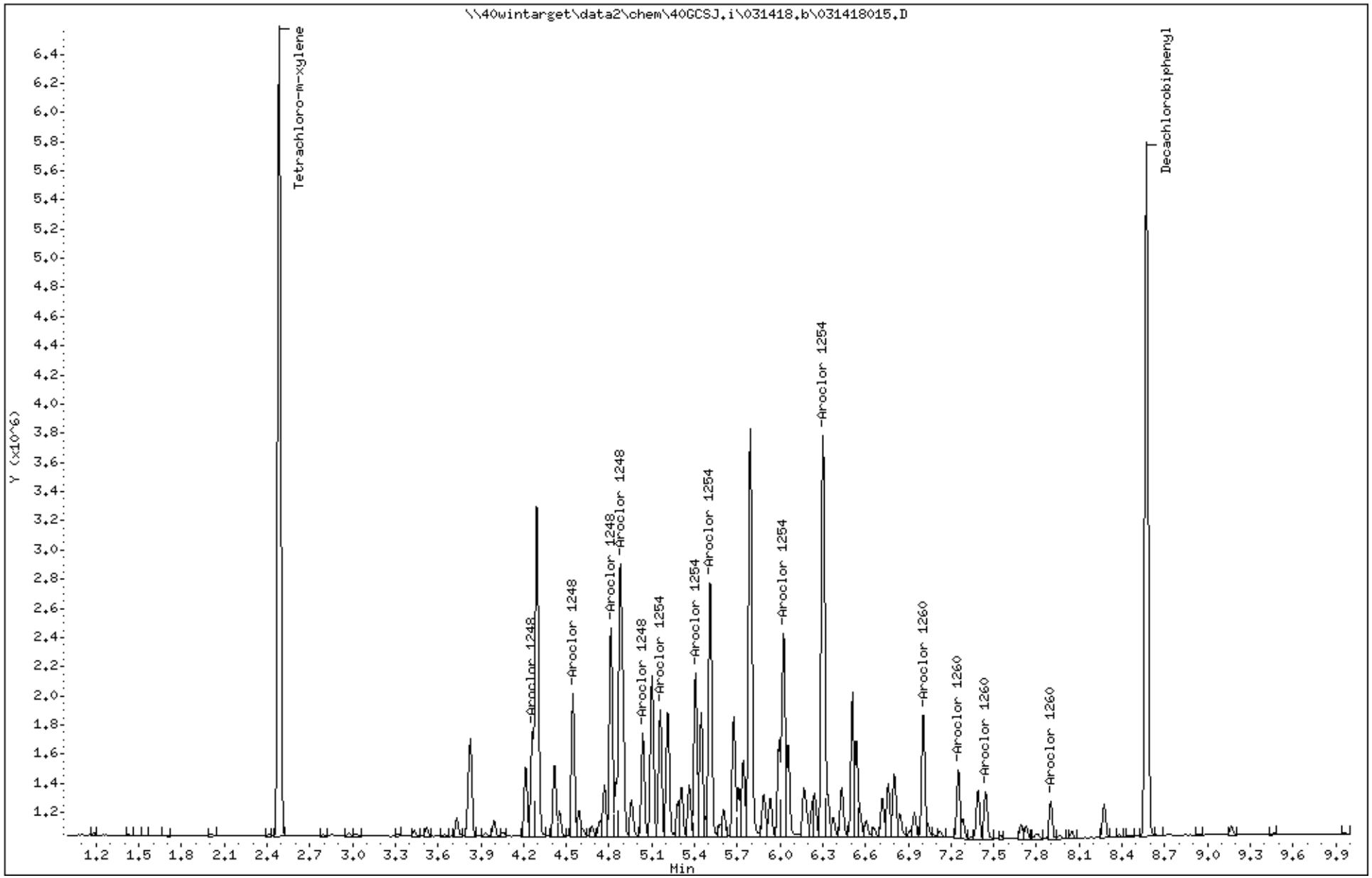
Sample Info: 40151549008 x2,

Volume Injected (uL): 1.0

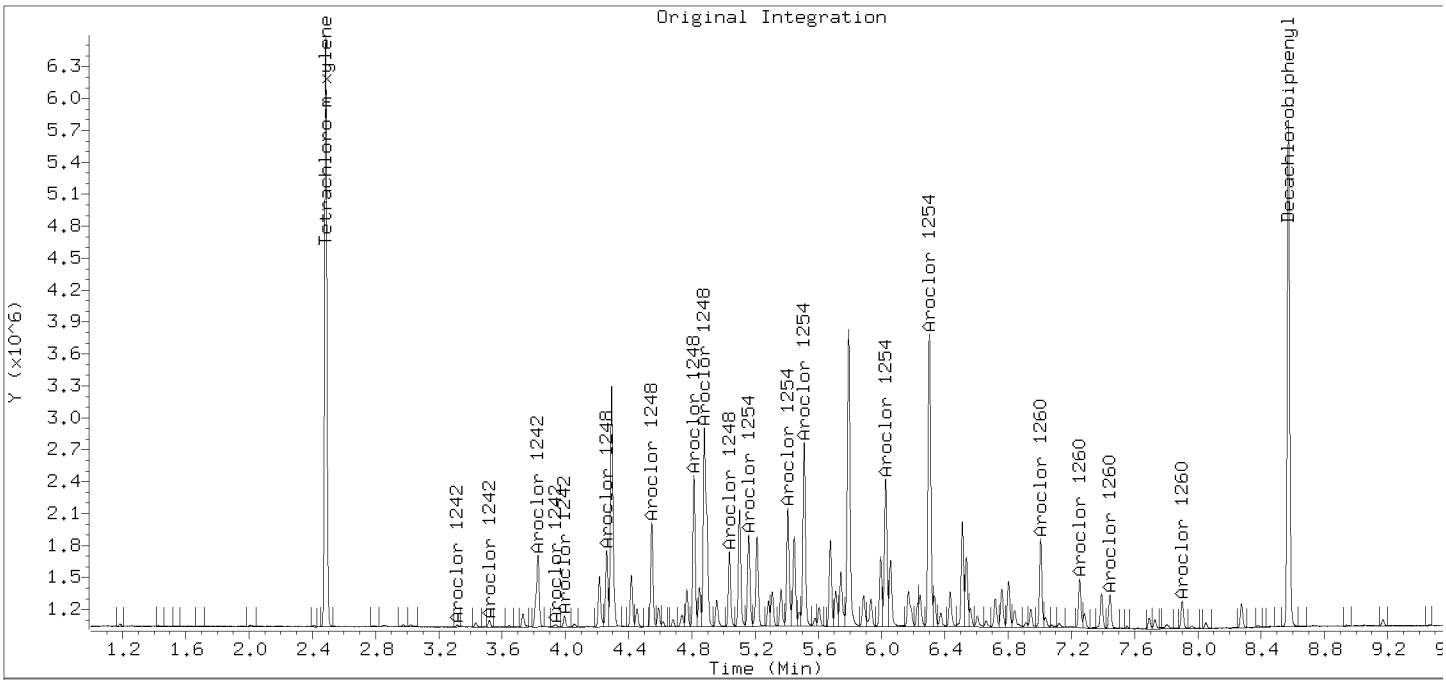
Operator: BLM

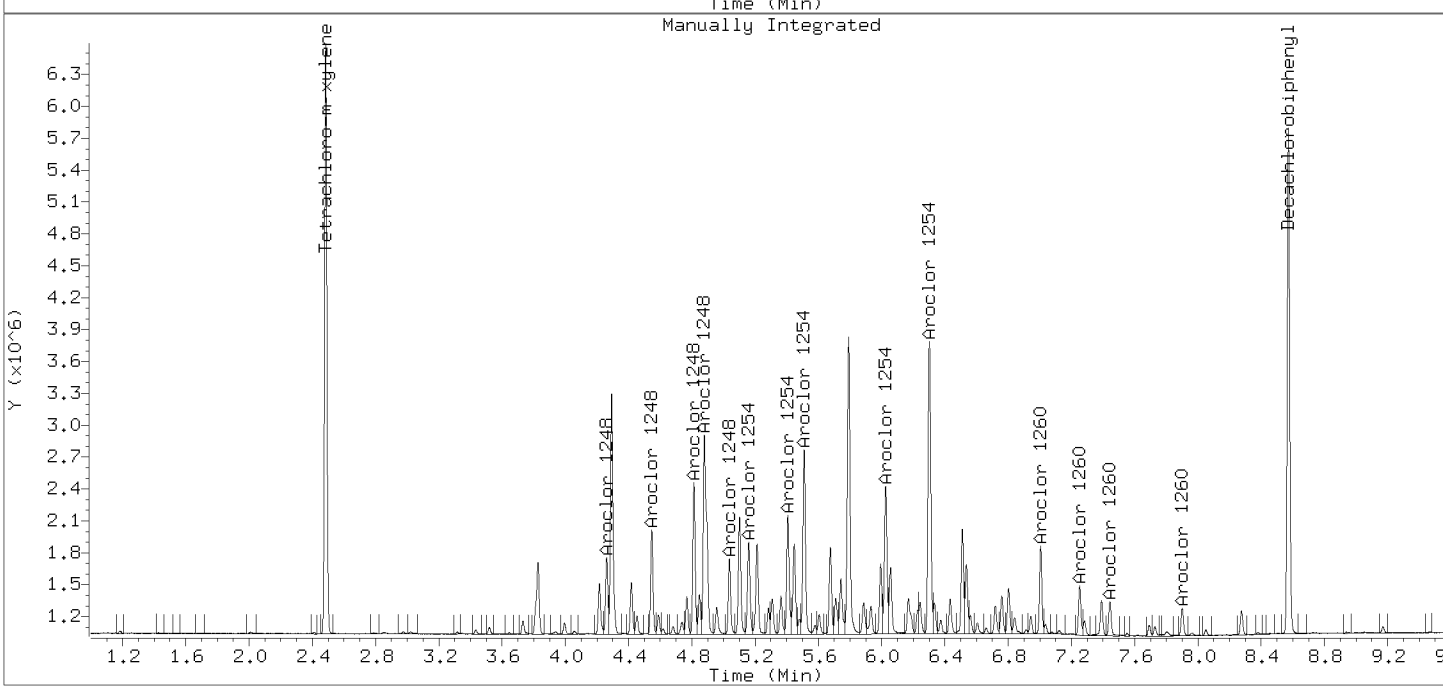
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418015.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 16:06 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549008





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	17581	0	
Aroclor 1016	17581	0	
Aroclor 1016	17581	0	
Aroclor 1016	17581	0	
Aroclor 1016	17581	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 1242	17581	0	
Aroclor 1242	17581	0	
Aroclor 1242	17581	0	
Aroclor 1242	17581	0	
Aroclor 1242	17581	0	
Aroclor 1248	736410	748805	BA
Aroclor 1248	736410	748805	BA
Aroclor 1248	736410	748805	BA
Aroclor 1248	736410	748805	BA
Aroclor 1248	736410	748805	BA
Aroclor 1254	962861	983942	BA
Aroclor 1254	962861	983942	BA
Aroclor 1254	962861	983942	BA
Aroclor 1254	962861	983942	BA
Aroclor 1254	962861	983942	BA
Aroclor 1260	3378798	0	BA
Aroclor 1260	3378798	0	BA
Aroclor 1260	3378798	0	BA
Aroclor 1260	3378798	0	BA
Aroclor 1260	3378798	0	BA
Tetrachloro-m-xylene	5571290	5571290	
Decachlorobiphenyl	5139999	5139999	

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SAMPLE NO.

TD5-170612-01-BB-02

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION
Date Received: 06/13/2017 09:30
Matrix: Tissue SDG No.: 40151549
Date Extracted: 03/13/2018 07:38
Lab Sample ID: 40151549009
Date Analyzed: 03/14/2018 16:54
Lab File ID: 031418.B\031418018.D
Initial wt/vol: 10.0005 Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	<11.4	U
12672-29-6	PCB-1248 (Aroclor 1248)	192	
11097-69-1	PCB-1254 (Aroclor 1254)	99.2	
11096-82-5	PCB-1260 (Aroclor 1260)	23.4	J
1336-36-3	PCB, Total	315	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418018.D
Lab Smp Id: 40151549009 Client Smp ID: TD5-170612-01-BB-02
Inj Date : 14-MAR-2018 16:54
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549009,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.001	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.427	11939	8954	0.750	0.02		
2.408	23747	19027	0.801	0.04		
2.485	11258326	10975121	0.975	21.63	$ 2 Tetrachloro-m-xylene	
2.790	25955	22663	0.873	0.04		
2.853	44030	33339	0.757	0.08		
2.975	36033	24266	0.673	0.06		
3.020	25174	23279	0.925	0.04		
3.055	20221	16915	0.837	0.03		
3.318	84938	78320	0.922	0.15		
3.347	23771	25120	1.057	0.04		
3.400	14657	15696	1.071	0.02		
3.434	66585	65180	0.979	0.12		
3.519	159625	143688	0.900	0.29		
3.646	40946	37608	0.918	0.07		
3.696	16242	14934	0.919	0.03		
3.732	211666	184046	0.870	0.39		
3.827	1480437	1079458	0.729	2.77		
3.937	77618	51662	0.666	0.14		
3.994	221150	211848	0.958	0.41		
4.059	81551	67660	0.830	0.15		
4.136	25393	17264	0.680	0.04		
4.215	795864	703917	0.884	1.49		
4.261	1177626	1127139	0.957	2.20	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.292	1809208	1533448	0.848	3.39	
4.417	628400	600123	0.955	1.17	
4.452	339817	303051	0.892	0.63	
4.546	1198665	1118811	0.933	2.24	6 Aroclor 1248
4.589	114110	106885	0.937	0.21	
4.617	140882	114335	0.812	0.26	
4.680	80144	65002	0.811	0.15	
4.739	88008	68649	0.780	0.16	
4.768	255038	237542	0.931	0.47	
4.813	1005009	958872	0.954	1.88	6 Aroclor 1248
4.848	369348	349865	0.947	0.69	
4.879	2073696	1456781	0.703	3.88	6 Aroclor 1248
4.958	282041	234438	0.831	0.52	
5.037	810309	753323	0.930	1.51	6 Aroclor 1248
5.102	740835	631099	0.852	1.38	
5.161	915181	787867	0.861	1.71	7 Aroclor 1254
5.213	826701	713889	0.864	1.54	
5.285	125465	115657	0.922	0.23	
5.310	240671	191862	0.797	0.45	
5.363	382460	316967	0.829	0.71	
5.408	782790	695064	0.888	1.46	7 Aroclor 1254
5.447	616601	536340	0.870	1.15	
5.480	79296	78817	0.994	0.14	
5.511	1474637	1292900	0.877	2.76	7 Aroclor 1254
5.576	66362	58678	0.884	0.12	
5.605	249064	186482	0.749	0.46	
5.675	321890	288980	0.898	0.60	
5.711	233035	177610	0.762	0.43	
5.741	337140	250824	0.744	0.63	
5.790	1862021	1447496	0.777	3.49	
5.886	234384	154783	0.660	0.43	
5.931	158573	109200	0.689	0.29	
5.995	338931	314621	0.928	0.63	
6.025	987967	851421	0.862	1.85	7 Aroclor 1254
6.056	767614	629954	0.821	1.43	
6.170	307843	191953	0.624	0.57	
6.226	243086	142140	0.585	0.45	
6.301	1577922	1311994	0.831	2.95	7 Aroclor 1254
6.335	188305	166119	0.882	0.35	
6.373	99018	75201	0.759	0.18	
6.432	196806	141824	0.721	0.36	
6.510	562431	505532	0.899	1.05	
6.536	304165	283407	0.932	0.57	
6.561	132976	114111	0.858	0.24	
6.606	62703	43760	0.698	0.11	
6.662	55608	39622	0.713	0.10	
6.718	197881	160826	0.813	0.37	
6.759	210686	177534	0.843	0.39	
6.802	246666	210889	0.855	0.46	
6.839	126754	79999	0.631	0.23	
6.915	33391	27157	0.813	0.06	
6.943	161565	132657	0.821	0.30	
7.006	396449	339931	0.857	0.74	8 Aroclor 1260
7.037	52446	49656	0.947	0.09	
7.079	23468	11993	0.511	0.04	
7.123	42483	26017	0.612	0.07	
7.252	212537	191984	0.903	0.39	8 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.282	93731	72558	0.774	0.17	
7.331	18947	14506	0.766	0.03	
7.389	161111	141211	0.876	0.30	
7.445	183979	150660	0.819	0.34	8 Aroclor 1260
7.551	13942	12417	0.891	0.02	
7.621	21811	12746	0.584	0.04	
7.693	49953	45052	0.902	0.09	
7.729	76989	61458	0.798	0.14	
7.810	62783	39835	0.634	0.11	
7.902	105887	96358	0.910	0.19	8 Aroclor 1260
7.958	10379	8632	0.832	0.01	
8.050	105614	93397	0.884	0.19	
8.277	149892	133004	0.887	0.28	
8.377	18064	13278	0.735	0.03	
8.572	9908681	8799280	0.888	18.57	$ 12 Decachlorobiphenyl
8.726	16288	13324	0.818	0.03	
8.944	10406	7392	0.710	0.01	
9.059	18078	12909	0.714	0.03	
9.169	31467	25024	0.795	0.05	
	53352978	46856087		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418018.D
Lab Smp Id: 40151549009 Client Smp ID: TD5-170612-01-BB-02
Inj Date : 14-MAR-2018 16:54
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40151549009,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.001	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

1 Aroclor 1221 CAS #: 11104-28-2

Operator disabled compound identification.

$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	11258325	0.09131	46			

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3 Aroclor 1242 CAS #: 53469-21-9

Operator disabled compound identification.

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4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor 1016					CAS #: 12674-11-2			
Operator disabled compound identification.								
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1177625	0.50262	250	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	1198664	0.28881	140	0.00- 20.00	101.79	BA
4.813	4.812	0.001	1005009	0.49506	250	0.00- 20.00	85.34	BA
4.879	4.879	0.000	2073695	0.41166	200	0.00- 20.00	176.09	BA
5.037	5.038	-0.001	810308	0.22580	110	0.00- 20.00	68.81	BA
Average of Peak Concentrations =					190			
7 Aroclor 1254					CAS #: 11097-69-1			
5.161	5.162	-0.001	915180	0.17481	87	0.00- 20.00	100.00(M)	BA
5.408	5.408	0.000	782790	0.18200	91	0.00- 20.00	85.53	BA
5.511	5.510	0.001	1474637	0.18988	95	0.00- 20.00	161.13	BA
6.024	6.027	-0.003	987967	0.20288	100	0.00- 20.00	107.95	BA
6.301	6.299	0.002	1577921	0.24249	120	0.00- 20.00	172.42	BA
Average of Peak Concentrations =					99			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	0	0.00	0.00	0.00- 20.00	0.00(M)	BA
7.006	7.006	0.000	396449	0.03959	20	0.00- 20.00	25.12	BA
7.252	7.251	0.001	212536	0.04447	22	0.00- 20.00	13.47	BA
7.444	7.443	0.001	183979	0.06311	32	0.00- 20.00	11.66	BA
7.902	7.901	0.001	105887	0.04013	20	0.00- 20.00	6.71	BA
Average of Peak Concentrations =					23			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	9908680	0.09044	45			

QC Flag Legend

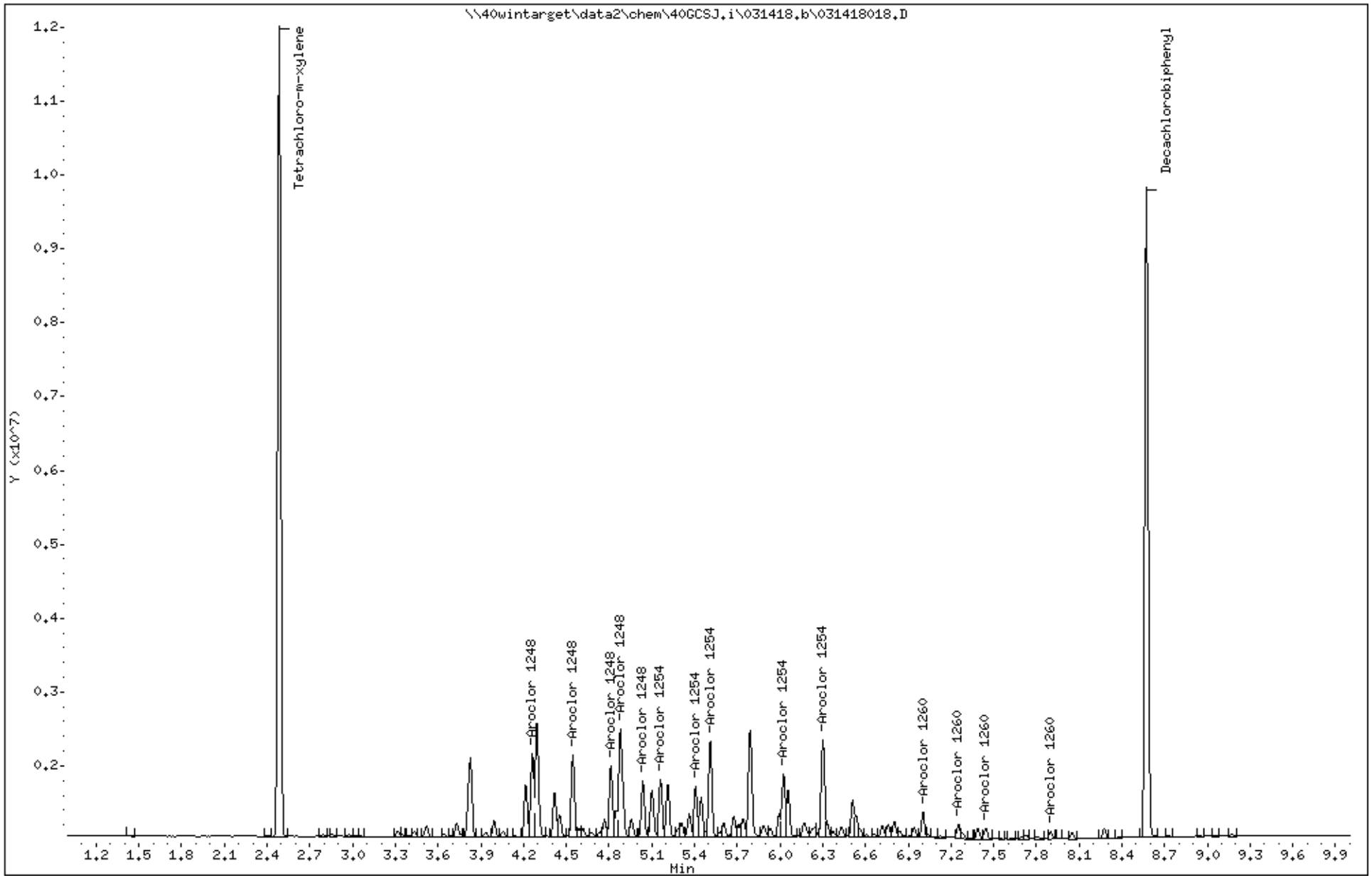
M - Compound response manually integrated.

Review Codes Legend

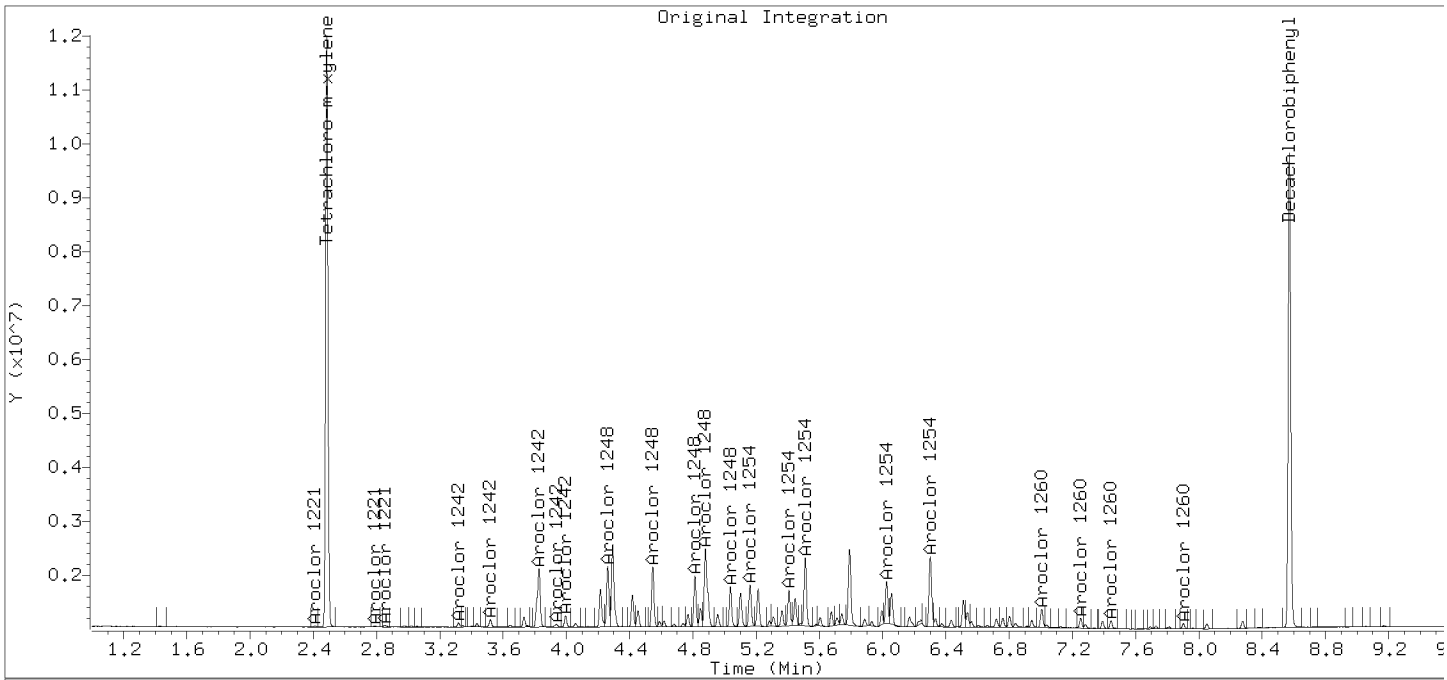
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

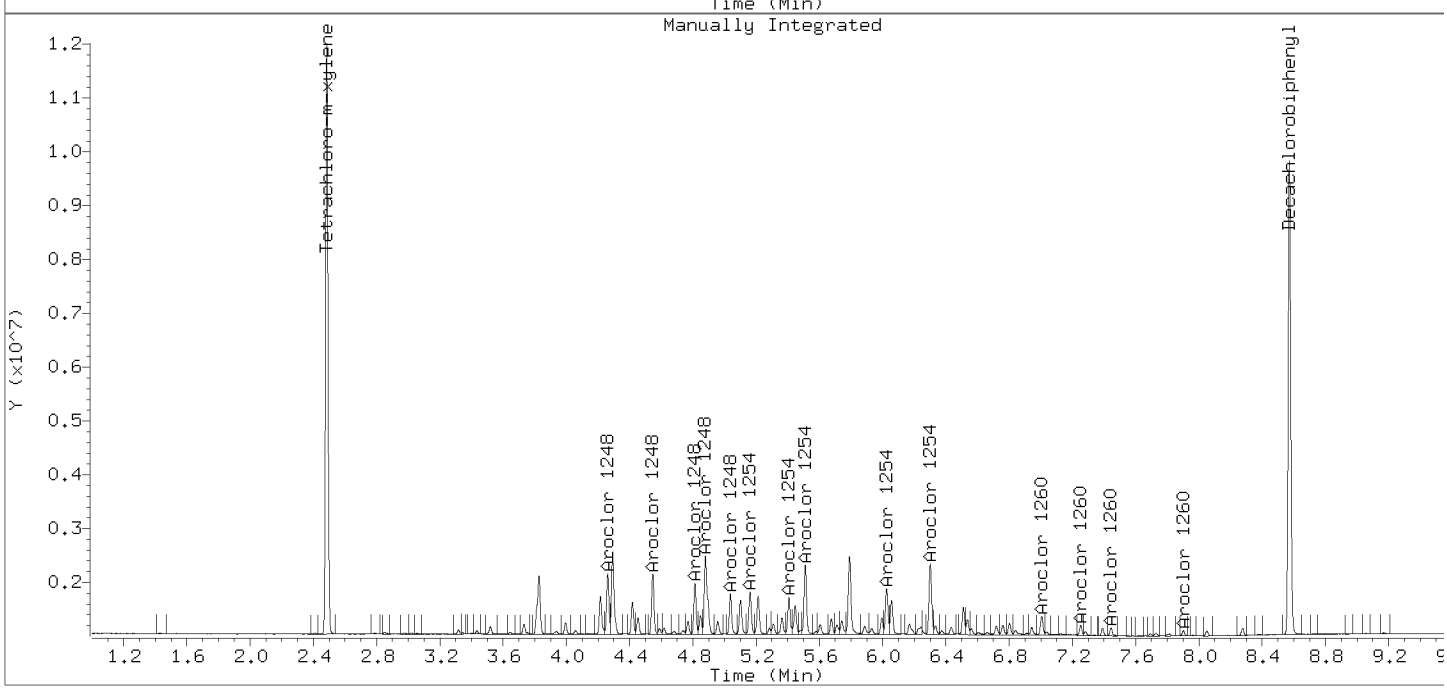
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418018.D
Date : 14-MAR-2018 16:54
Client ID: TD5-170612-01-BB-02
Sample Info: 40151549009,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418018.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 16:54 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40151549009





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	84937	0	
Aroclor 1016	84937	0	
Aroclor 1016	84937	0	
Aroclor 1016	84937	0	
Aroclor 1016	84937	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	44030	0	
Aroclor 1232	44030	0	
Aroclor 1232	44030	0	
Aroclor 1232	44030	0	

Aroclor 1232	44030	0	
Aroclor 1242	84937	0	
Aroclor 1242	84937	0	
Aroclor 1242	84937	0	
Aroclor 1242	84937	0	
Aroclor 1242	84937	0	
Aroclor 1248	1162051	1177625	BA
Aroclor 1248	1162051	1177625	BA
Aroclor 1248	1162051	1177625	BA
Aroclor 1248	1162051	1177625	BA
Aroclor 1248	1162051	1177625	BA
Aroclor 1254	860797	915180	BA
Aroclor 1254	860797	915180	BA
Aroclor 1254	860797	915180	BA
Aroclor 1254	860797	915180	BA
Aroclor 1254	860797	915180	BA
Aroclor 1260	1534567	0	BA
Aroclor 1260	1534567	0	BA
Aroclor 1260	1534567	0	BA
Aroclor 1260	1534567	0	BA
Aroclor 1260	1534567	0	BA
Tetrachloro-m-xylene	11258325	11258325	
Decachlorobiphenyl	9908680	9908680	

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PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1016	1	Averaged	3346700.00	3270300.00	3026998.00	2916970.00	2843185.00
Aroclor 1016	2	Averaged	3361310.00	3225075.00	3064774.00	2953430.00	2890423.00
Aroclor 1016	3	Averaged	9619090.00	9294970.00	8629258.00	8432580.00	8333033.00
Aroclor 1016	4	Averaged	4072990.00	3972810.00	3750126.00	3581221.25	3523970.00
Aroclor 1016	5	Averaged	2912980.00	2694260.00	2551278.00	2433447.50	2424781.00
Aroclor 1221	1	Averaged	1168840.00	1110755.00	980478.000	981937.500	964273.000
Aroclor 1221	2	Averaged	612180.000	587450.000	526622.000	511427.500	501535.000
Aroclor 1221	3	Averaged	1505110.00	1446635.00	1316246.00	1333917.50	1314775.00
Aroclor 1221	4	Averaged	1181440.00	1150255.00	1038526.00	1067413.75	1091213.00
Aroclor 1221	5	Averaged	3492190.00	3470535.00	3167038.00	3088411.25	3058814.00
Aroclor 1242	1	Averaged	2772560.00	2688000.00	2505132.00	2371062.50	2329239.00
Aroclor 1242	2	Averaged	2739500.00	2600755.00	2506348.00	2392166.25	2361398.00
Aroclor 1242	3	Averaged	7695890.00	7473100.00	6971326.00	6735328.75	6706645.00
Aroclor 1242	4	Averaged	3287540.00	3169245.00	3017986.00	2875101.25	2857801.00
Aroclor 1242	5	Averaged	2247420.00	2077595.00	2062930.00	1928282.50	1922507.00
Aroclor 1248	1	Averaged	2522640.00	2478140.00	2346396.00	2184111.25	2183582.00
Aroclor 1248	2	Averaged	4441400.00	4466680.00	4104774.00	3847133.75	3891542.00
Aroclor 1248	3	Averaged	2175950.00	2100970.00	2034380.00	1911980.00	1927121.00
Aroclor 1248	4	Averaged	5384910.00	5302865.00	5054976.00	4695606.25	4748871.00
Aroclor 1248	5	Averaged	3757360.00	3770200.00	3588002.00	3386248.75	3440920.00
Aroclor 1254	1	Averaged	5783370.00	5652575.00	5120584.00	4858101.25	4761607.00
Aroclor 1254	2	Averaged	4616750.00	4581855.00	4225042.00	4064631.25	4016994.00
Aroclor 1254	3	Averaged	8435240.00	8286960.00	7623568.00	7277021.25	7207530.00
Aroclor 1254	4	Averaged	5140880.00	5151350.00	4826428.00	4638268.75	4591491.00
Aroclor 1254	5	Averaged	7015020.00	6981970.00	6368818.00	6122333.75	6047377.00
Aroclor 1260	1	Averaged	9569990.00	9323545.00	8657528.00	8388552.50	8372147.00
Aroclor 1260	2	Averaged	10746610.0	10429350.0	9816406.00	9526972.50	9552528.00
Aroclor 1260	3	Averaged	5052370.00	4986225.00	4721308.00	4577403.75	4561709.00
Aroclor 1260	4	Averaged	3131020.00	3037915.00	2887698.00	2771190.00	2747730.00

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-2

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1260	5	Averaged	2853590.00	2718235.00	2625044.00	2511683.75	2485127.00
Decachlorobiphenyl (S)		Averaged	125223400.	114228350.	106255020.	101602250.	100490933.
Tetrachloro-m-xylene		Averaged	126550100.	124974300.	121144740.	121809550.	121996840.

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-3

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1016	1	Averaged	7.12			3080830.60	
Aroclor 1016	2	Averaged	6.26			3099002.40	
Aroclor 1016	3	Averaged	6.38			8861786.20	
Aroclor 1016	4	Averaged	6.32			3780223.45	
Aroclor 1016	5	Averaged	7.86			2603349.30	
Aroclor 1221	1	Averaged	8.88			1041256.70	
Aroclor 1221	2	Averaged	8.95			547842.90	
Aroclor 1221	3	Averaged	6.31			1383336.70	
Aroclor 1221	4	Averaged	5.33			1105769.55	
Aroclor 1221	5	Averaged	6.45			3255397.65	
Aroclor 1242	1	Averaged	7.64			2533198.70	
Aroclor 1242	2	Averaged	6.15			2520033.45	
Aroclor 1242	3	Averaged	6.27			7116457.95	
Aroclor 1242	4	Averaged	6.12			3041534.65	
Aroclor 1242	5	Averaged	6.50			2047746.90	
Aroclor 1248	1	Averaged	6.78			2342973.85	
Aroclor 1248	2	Averaged	7.08			4150305.95	
Aroclor 1248	3	Averaged	5.55			2030080.20	
Aroclor 1248	4	Averaged	6.21			5037445.65	
Aroclor 1248	5	Averaged	4.91			3588546.15	
Aroclor 1254	1	Averaged	8.82			5235247.45	
Aroclor 1254	2	Averaged	6.58			4301054.45	
Aroclor 1254	3	Averaged	7.31			7766063.85	
Aroclor 1254	4	Averaged	5.48			4869683.55	
Aroclor 1254	5	Averaged	7.13			6507103.75	
Aroclor 1260	1	Averaged	6.23			8862352.50	
Aroclor 1260	2	Averaged	5.46			10014373.30	
Aroclor 1260	3	Averaged	4.78			4779803.15	
Aroclor 1260	4	Averaged	5.71			2915110.60	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-4

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1260	5	Averaged	5.76			2638735.95	
Decachlorobiphenyl (S)		Averaged	9.39			109559990.6	
Tetrachloro-m-xylene		Averaged	1.89			123295106.0	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1016	1	3.318	3.317	3.317	3.317	3.318	3.318	3.284	3.352
Aroclor 1016	2	3.513	3.513	3.512	3.512	3.512	3.512	3.478	3.546
Aroclor 1016	3	3.826	3.826	3.826	3.826	3.826	3.826	3.792	3.86
Aroclor 1016	4	3.928	3.929	3.928	3.929	3.928	3.929	3.895	3.963
Aroclor 1016	5	3.995	3.994	3.994	3.995	3.994	3.994	3.96	4.028
Aroclor 1221	1	1.803	1.804	1.804	1.804	1.806	1.804	1.77	1.838
Aroclor 1221	2	2.406	2.407	2.407	2.407	2.407	2.407	2.373	2.441
Aroclor 1221	3	2.687	2.688	2.688	2.688	2.688	2.688	2.654	2.722
Aroclor 1221	4	2.789	2.789	2.79	2.789	2.789	2.789	2.755	2.823
Aroclor 1221	5	2.851	2.851	2.851	2.851	2.851	2.851	2.817	2.885
Aroclor 1242	1	3.318	3.318	3.317	3.318	3.318	3.318	3.284	3.352
Aroclor 1242	2	3.513	3.513	3.513	3.513	3.513	3.513	3.479	3.547
Aroclor 1242	3	3.826	3.826	3.827	3.827	3.827	3.827	3.793	3.861
Aroclor 1242	4	3.928	3.929	3.929	3.93	3.929	3.929	3.895	3.963
Aroclor 1242	5	3.995	3.994	3.995	3.995	3.994	3.995	3.961	4.029
Aroclor 1248	1	4.261	4.261	4.261	4.261	4.261	4.261	4.227	4.295
Aroclor 1248	2	4.546	4.545	4.545	4.545	4.545	4.546	4.512	4.58
Aroclor 1248	3	4.814	4.813	4.813	4.813	4.813	4.812	4.778	4.846
Aroclor 1248	4	4.879	4.878	4.879	4.878	4.879	4.879	4.845	4.913
Aroclor 1248	5	5.037	5.036	5.037	5.038	5.037	5.038	5.004	5.072
Aroclor 1254	1	5.163	5.162	5.163	5.162	5.163	5.162	5.128	5.196
Aroclor 1254	2	5.408	5.407	5.407	5.407	5.407	5.408	5.374	5.442
Aroclor 1254	3	5.51	5.51	5.51	5.509	5.51	5.51	5.476	5.544
Aroclor 1254	4	6.026	6.026	6.026	6.027	6.027	6.027	5.993	6.061
Aroclor 1254	5	6.299	6.299	6.299	6.299	6.299	6.299	6.265	6.333
Aroclor 1260	1	6.3	6.3	6.299	6.3	6.299	6.3	6.266	6.334
Aroclor 1260	2	7.006	7.006	7.005	7.005	7.005	7.006	6.972	7.04
Aroclor 1260	3	7.252	7.252	7.251	7.252	7.251	7.251	7.217	7.285

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-2

PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 12:07 19:39

LAB FILE ID

CAL1A =	030618.B\030618058.D	CAL1B =	030618.B\030618022.D	CAL1C =	030618.B\030618046.D
CAL1D =	030618.B\030618034.D	CAL1F =	030618.B\030618010.D	CAL2A =	030618.B\030618060.D
CAL2B =	030618.B\030618024.D	CAL2C =	030618.B\030618048.D	CAL2D =	030618.B\030618036.D
CAL2F =	030618.B\030618012.D	CAL3A =	030618.B\030618062.D	CAL3B =	030618.B\030618026.D
CAL3C =	030618.B\030618050.D	CAL3D =	030618.B\030618038.D	CAL3F =	030618.B\030618014.D
CAL4A =	030618.B\030618064.D	CAL4B =	030618.B\030618028.D	CAL4C =	030618.B\030618052.D
CAL4D =	030618.B\030618040.D	CAL4F =	030618.B\030618016.D	CAL5A =	030618.B\030618066.D
CAL5B =	030618.B\030618030.D	CAL5C =	030618.B\030618054.D	CAL5D =	030618.B\030618042.D
CAL5F =	030618.B\030618018.D				

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1260	4	7.444	7.443	7.443	7.443	7.443	7.443	7.409	7.477
Aroclor 1260	5	7.902	7.9	7.901	7.901	7.9	7.901	7.867	7.935
Decachlorobiphenyl (S)		8.572	8.572	8.571	8.571	8.571	8.571	8.537	8.605
Tetrachloro-m-xylene		2.485	2.484	2.484	2.484	2.485	2.484	2.45	2.518

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSJ GC Column: Col 1 SDG No.: 40151549

Calibration Date(s): 03/06/2018 Calibration Time(s): 11:50

LAB FILE ID

CAL3S = 030618.B\030618008.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1232	.5	1	2.851	2.817	2.885	2500024.00
Aroclor 1232	.5	2	3.513	3.479	3.547	1339782.00
Aroclor 1232	.5	3	3.827	3.793	3.861	3749726.00
Aroclor 1232	.5	4	3.929	3.895	3.963	1606492.00
Aroclor 1232	.5	5	3.995	3.961	4.029	1091876.00

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618008.D
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 06-MAR-2018 11:50
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-cal3s, 185539:1
Misc Info : 17498,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:39 Cal File: 030618014.D
Als bottle: 5 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
1.183	64094	46184	0.721	0.24		
1.429	37762	31672	0.839	0.14		
1.535	16372	12525	0.765	0.06		
1.688	12215	10878	0.891	0.04		
1.804	291016	252430	0.867	1.10		
2.011	33236	24341	0.732	0.12		
2.198	82778	71506	0.864	0.31		
2.407	191146	142081	0.743	0.72		
2.485	5780151	5532286	0.957	22.35		
2.688	419741	347465	0.828	1.59		
2.789	391882	367897	0.939	1.48		
2.851	1250012	1144522	0.916	4.74	4 Aroclor 1232	BA
3.028	21736	20469	0.942	0.08		
3.055	85135	77802	0.914	0.32		
3.280	70307	52213	0.743	0.26		
3.319	723460	656407	0.907	2.74		
3.344	391395	363151	0.928	1.48		
3.434	120283	103424	0.860	0.45		
3.514	669892	480513	0.717	2.54	4 Aroclor 1232	BA
3.611	20898	19814	0.948	0.07		
3.698	27644	23229	0.840	0.10		
3.733	173570	179973	1.037	0.65		
3.757	122922	116095	0.944	0.46		
3.827	1874863	1087503	0.580	7.12	4 Aroclor 1232	BA
3.929	803247	685069	0.853	3.05	4 Aroclor 1232	BA
3.995	545938	536580	0.983	2.07	4 Aroclor 1232	BA
4.059	141928	130174	0.917	0.53		
4.137	62125	51170	0.824	0.23		
4.216	393609	374181	0.951	1.49		
4.261	373167	361789	0.970	1.41		
4.294	162815	169097	1.039	0.61		
4.310	204739	187151	0.914	0.77		
4.371	21919	15566	0.710	0.08		
4.418	536617	502916	0.937	2.03		
4.452	418871	298669	0.713	1.59		
4.546	683890	623608	0.912	2.59		
4.618	163410	151749	0.929	0.62		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.681	14650	12034	0.821	0.05	
4.730	43779	30964	0.707	0.16	
4.769	38954	36822	0.945	0.14	
4.814	304752	292334	0.959	1.15	
4.848	526734	522616	0.992	2.00	
4.880	691689	534310	0.772	2.62	
4.958	81081	59242	0.731	0.30	
5.038	573825	543275	0.947	2.17	
5.099	111947	85321	0.762	0.42	
5.163	131671	111235	0.845	0.50	
5.213	95848	80980	0.845	0.36	
5.307	24699	21694	0.878	0.09	
5.363	86500	72230	0.835	0.32	
5.408	138303	112479	0.813	0.52	
5.447	83276	72672	0.873	0.31	
5.492	30778	35064	1.139	0.11	
5.511	193150	166298	0.861	0.73	
5.605	68006	59493	0.875	0.25	
5.676	16334	15605	0.955	0.06	
5.708	52967	20705	0.391	0.20	
5.793	143283	113467	0.792	0.54	
5.888	27037	15011	0.555	0.10	
6.026	118842	104296	0.878	0.45	
6.056	34574	29464	0.852	0.13	
6.171	24413	14466	0.593	0.09	
6.302	43529	35888	0.824	0.16	
6.447	25328	16811	0.664	0.09	
6.511	16971	13602	0.801	0.06	
7.005	21863	21930	1.003	0.08	
7.129	17051	15791	0.926	0.06	
7.254	11045	10898	0.987	0.04	
7.728	22228	20096	0.904	0.08	
7.779	25468	15517	0.609	0.09	
8.277	43793	37397	0.854	0.16	
8.379	30735	21976	0.715	0.11	
8.573	4915144	4232662	0.861	18.67	
8.944	38971	23332	0.599	0.14	
9.470	37385	22307	0.597	0.14	
9.964	32743	21879	0.668	0.12	
	26324135	22924262		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618008.D
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 06-MAR-2018 11:50
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-cal3s, 185539:1
Misc Info : 17498,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:39 Cal File: 030618014.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1232.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
4 Aroclor 1232					CAS #: 1114-16-5			
2.851	2.851	0.000	1250012	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	669891	0.50000	0.50	0.00- 20.00	53.59	BA
3.827	3.827	0.000	1874863	0.50000	0.50	0.00- 20.00	149.99	BA
3.929	3.929	0.000	803246	0.50000	0.50	0.00- 20.00	64.26	BA
3.995	3.995	0.000	545938	0.50000	0.50	0.00- 20.00	43.67	BA
Average of Peak Amounts =					0.50000			

QC Flag Legend

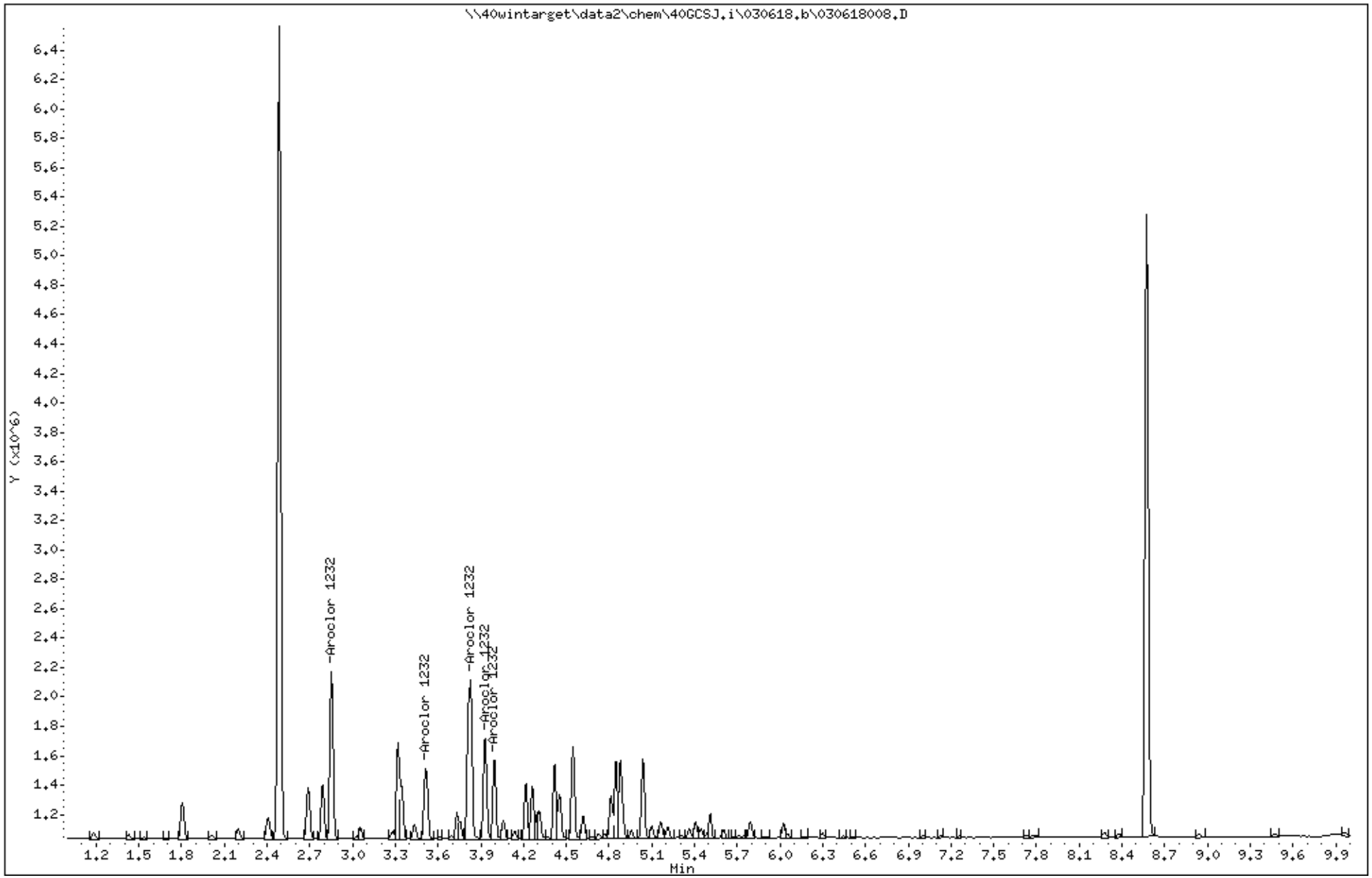
M - Compound response manually integrated.

Review Codes Legend

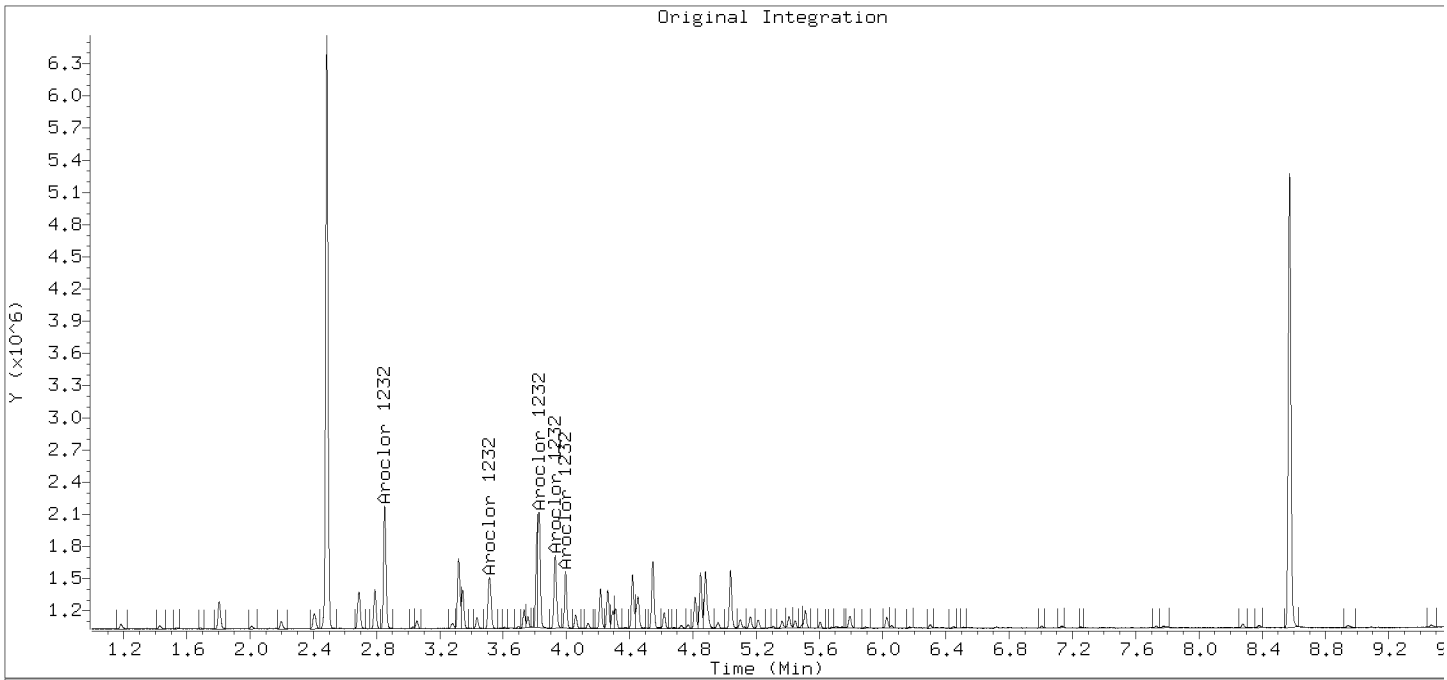
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

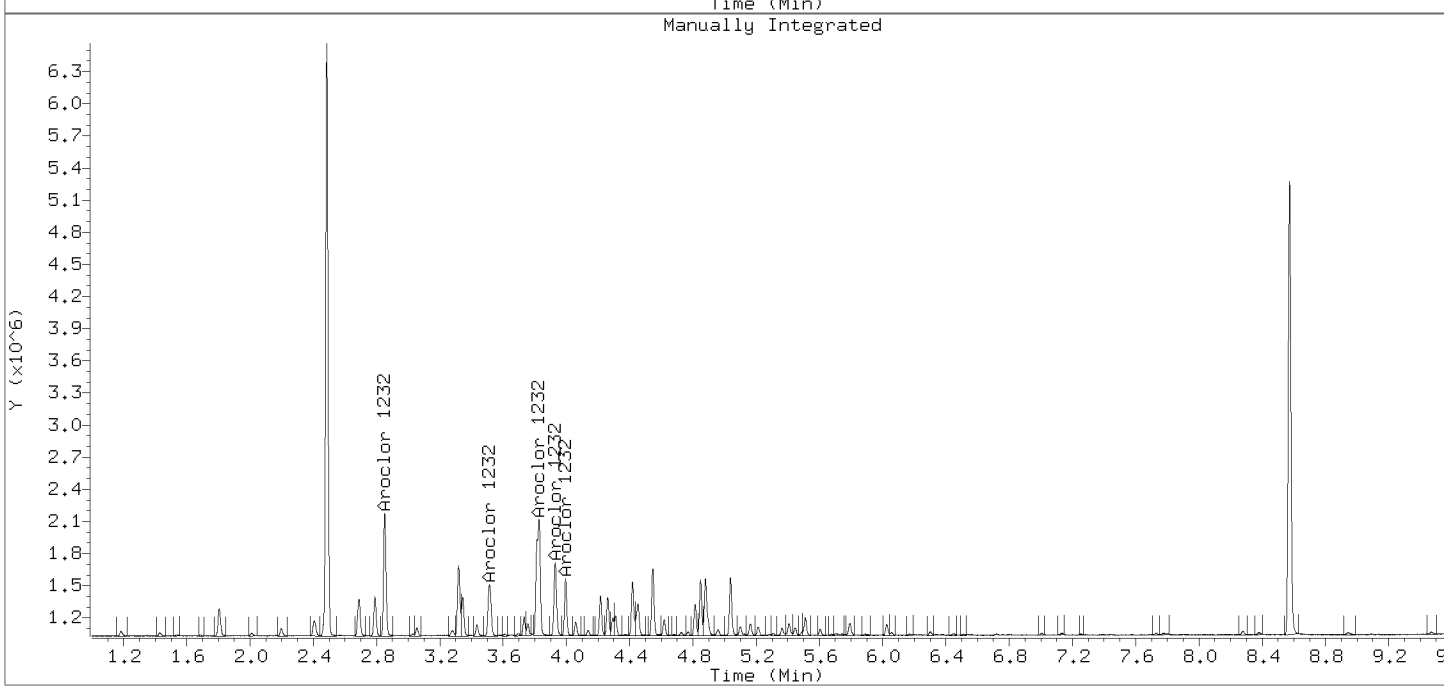
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618008.D
Date : 06-MAR-2018 11:50
Client ID: 1232-CAL3S
Sample Info: 1232-CAL3S, 185539:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618008.D (ManInt: NSAR1232.sub Orig: NSAR1232.sub)
Injection Date: 06-MAR-2018 11:50 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1232-CAL3S





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1234986	1250012	BA
Aroclor 1232	1234986	1250012	BA
Aroclor 1232	1234986	1250012	BA
Aroclor 1232	1234986	1250012	BA
Aroclor 1232	1234986	1250012	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618010.D
Lab Smp Id: 1221-CAL1F Client Smp ID: 1221-CAL1F
Inj Date : 06-MAR-2018 12:07
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal1f, 188138:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:44 Cal File: 030618022.D
Als bottle: 6 Calibration Sample, Level: 1
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
1.180	13612	11288	0.829	0.38		
1.804	116885	98810	0.845	3.31	1 Aroclor 1221	BA
2.197	36039	30499	0.846	1.02		
2.407	61218	44733	0.731	1.73	1 Aroclor 1221	BA
2.485	1172586	1134895	0.968	33.37		
2.688	150512	119908	0.797	4.27	1 Aroclor 1221	BA
2.790	118144	107550	0.910	3.35	1 Aroclor 1221	BA
2.852	349220	309600	0.887	9.90	1 Aroclor 1221	BA
3.279	28274	21896	0.774	0.80		
3.325	85123	48119	0.565	2.41		
3.380	10358	5756	0.556	0.29		
3.436	15926	10893	0.684	0.45		
3.513	38645	25267	0.654	1.09		
3.733	9954	10584	1.063	0.28		
3.817	38159	24082	0.631	1.08		
3.928	37088	28113	0.758	1.05		
3.996	22534	20384	0.905	0.63		
4.260	9635	9376	0.973	0.27		
4.546	10833	12359	1.141	0.30		
4.881	15313	10912	0.713	0.43		
5.040	11422	9410	0.824	0.32		
8.278	12362	11919	0.964	0.35		
8.380	10282	8381	0.815	0.29		
8.572	1127356	960701	0.852	31.98		
8.936	10000	8119	0.812	0.28		
9.466	13059	9537	0.730	0.37		
	3524537	3093091		100.000		

Total unknown % area = 77

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618010.D
Lab Smp Id: 1221-CAL1F Client Smp ID: 1221-CAL1F
Inj Date : 06-MAR-2018 12:07
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal1f, 188138:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:44 Cal File: 030618022.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
1.803	1.804	-0.001	116884	0.10000	0.11	0.00- 20.00	100.00(M)	BA
2.406	2.407	-0.001	61218	0.10000	0.11	0.00- 20.00	52.38	BA
2.687	2.688	-0.001	150511	0.10000	0.11	0.00- 20.00	128.77	BA
2.789	2.789	0.000	118144	0.10000	0.11	0.00- 20.00	101.08	BA
2.851	2.851	0.000	349219	0.10000	0.11	0.00- 20.00	298.77	BA
Average of Peak Amounts =					0.11000			

QC Flag Legend

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\40GCSJ.i\030618.b\030618010.D

Date : 06-MAR-2018 12:07

Client ID: 1221-CAL1F

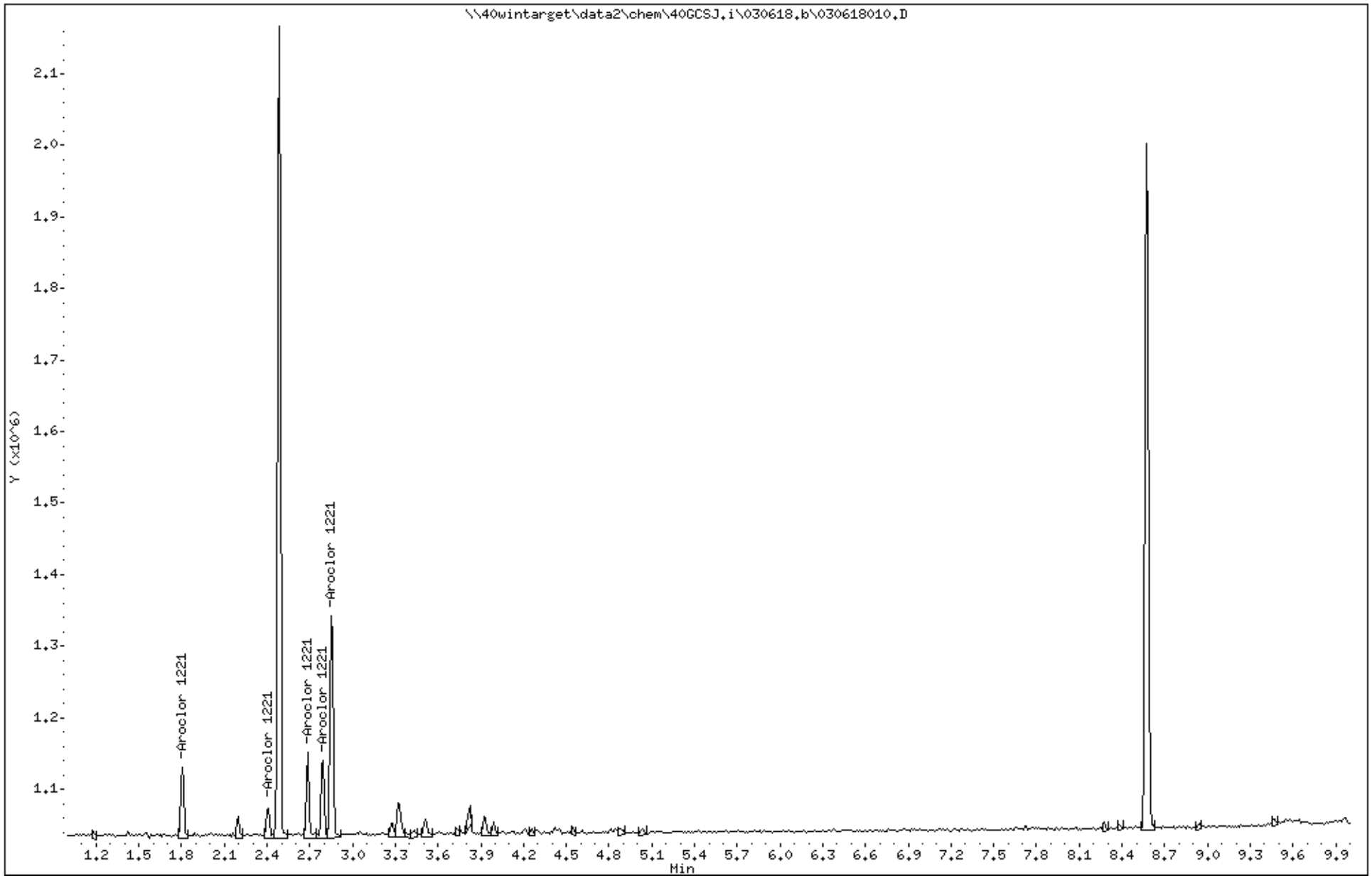
Instrument: 40GCSJ.i

Sample Info: 1221-CAL1F, 188138:1

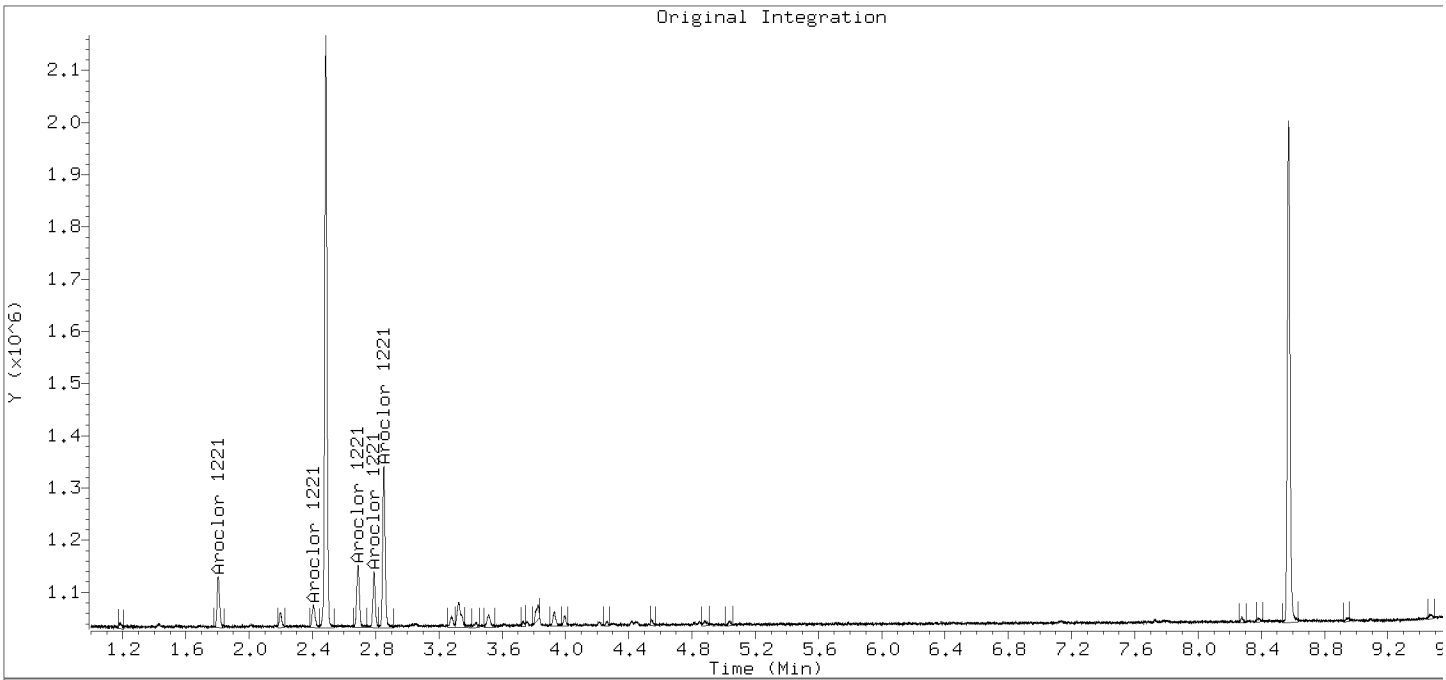
Operator: BLM

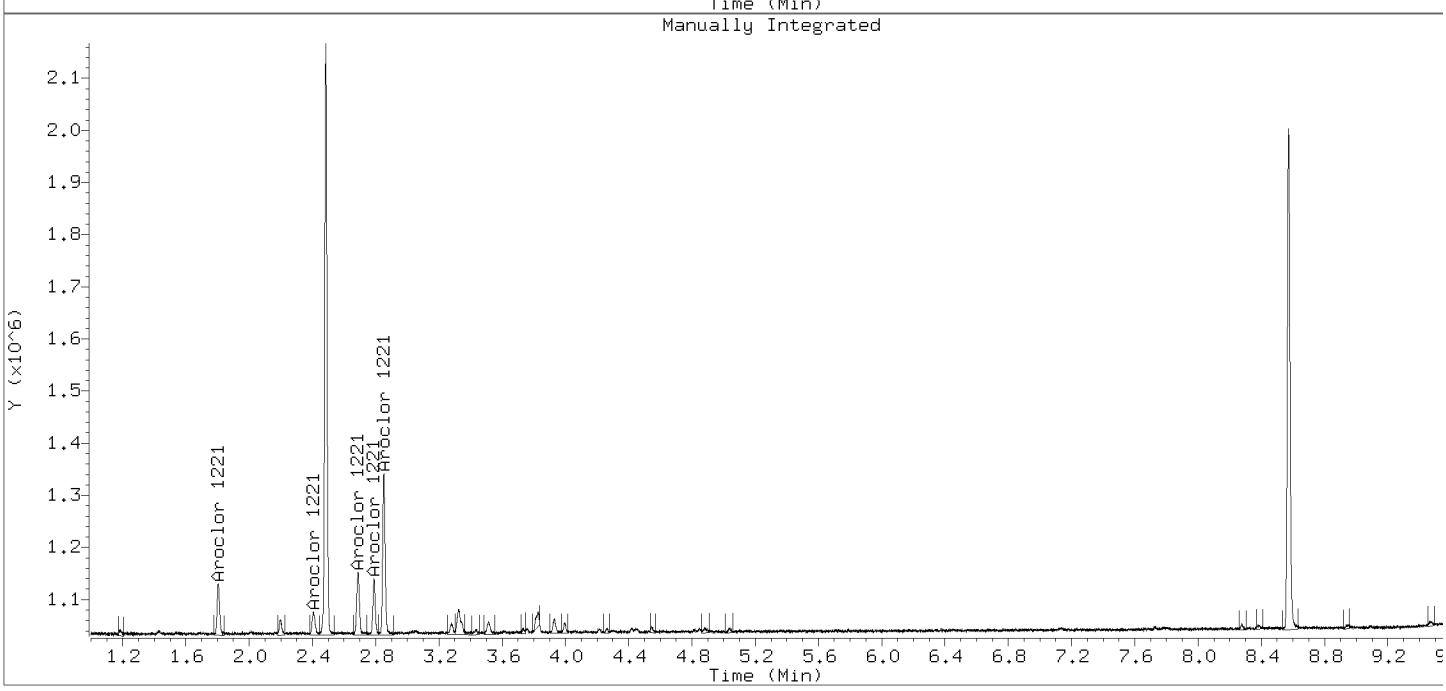
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618010.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:07 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CAL1F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	111828	116884	BA
Aroclor 1221	111828	116884	BA
Aroclor 1221	111828	116884	BA
Aroclor 1221	111828	116884	BA
Aroclor 1221	111828	116884	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618012.D
Lab Smp Id: 1221-CAL2F Client Smp ID: 1221-CAL2F
Inj Date : 06-MAR-2018 12:23
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal2f, 188139:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:23 Cal File: 030618012.D
Als bottle: 7 Calibration Sample, Level: 2
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
1.185	21110	15992	0.758	0.29		
1.432	19890	14202	0.714	0.27		
1.804	222151	196763	0.886	3.10	1 Aroclor 1221	BA
2.006	14074	10640	0.756	0.19		
2.198	66696	59685	0.895	0.93		
2.408	117491	84755	0.721	1.64	1 Aroclor 1221	BA
2.485	2389575	2280739	0.954	33.51		
2.688	289327	237824	0.822	4.03	1 Aroclor 1221	BA
2.790	230052	213818	0.929	3.21	1 Aroclor 1221	BA
2.852	694108	629495	0.907	9.69	1 Aroclor 1221	BA
3.055	24441	15851	0.649	0.34		
3.283	52341	38105	0.728	0.73		
3.322	162359	92875	0.572	2.26		
3.433	17768	16060	0.904	0.24		
3.514	68265	44434	0.651	0.95		
3.610	18983	11562	0.609	0.26		
3.733	17041	17575	1.031	0.23		
3.755	20072	17438	0.869	0.28		
3.827	142441	84122	0.591	1.98		
3.930	69577	57831	0.831	0.97		
3.996	47705	40519	0.849	0.66		
4.216	23635	18011	0.762	0.33		
4.261	14899	13886	0.932	0.20		
4.418	12729	14384	1.130	0.17		
4.547	21625	20493	0.948	0.30		
4.618	11602	9168	0.790	0.16		
4.848	13653	14682	1.075	0.19		
4.880	20209	15214	0.753	0.28		
5.040	16835	15081	0.896	0.23		
7.133	16511	8656	0.524	0.23		
7.728	11846	11710	0.989	0.16		
8.278	23007	17531	0.762	0.32		
8.378	9408	9279	0.986	0.13		
8.573	2192346	1884280	0.859	30.61		
8.940	11831	13025	1.101	0.16		
9.473	27497	16611	0.604	0.38		
9.964	28645	19011	0.664	0.39		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
	7161743	6281307		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618012.D
Lab Smp Id: 1221-CAL2F Client Smp ID: 1221-CAL2F
Inj Date : 06-MAR-2018 12:23
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal2f, 188139:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:23 Cal File: 030618012.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
1.804	1.804	0.000	222151	0.20000	0.21	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	117490	0.20000	0.21	0.00- 20.00	52.89	BA
2.688	2.688	0.000	289327	0.20000	0.21	0.00- 20.00	130.24	BA
2.789	2.789	0.000	230051	0.20000	0.21	0.00- 20.00	103.56	BA
2.851	2.851	0.000	694107	0.20000	0.21	0.00- 20.00	312.45	BA
Average of Peak Amounts =					0.21000			

QC Flag Legend

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\40GCSJ.i\030618.b\030618012.D

Date : 06-MAR-2018 12:23

Client ID: 1221-CAL2F

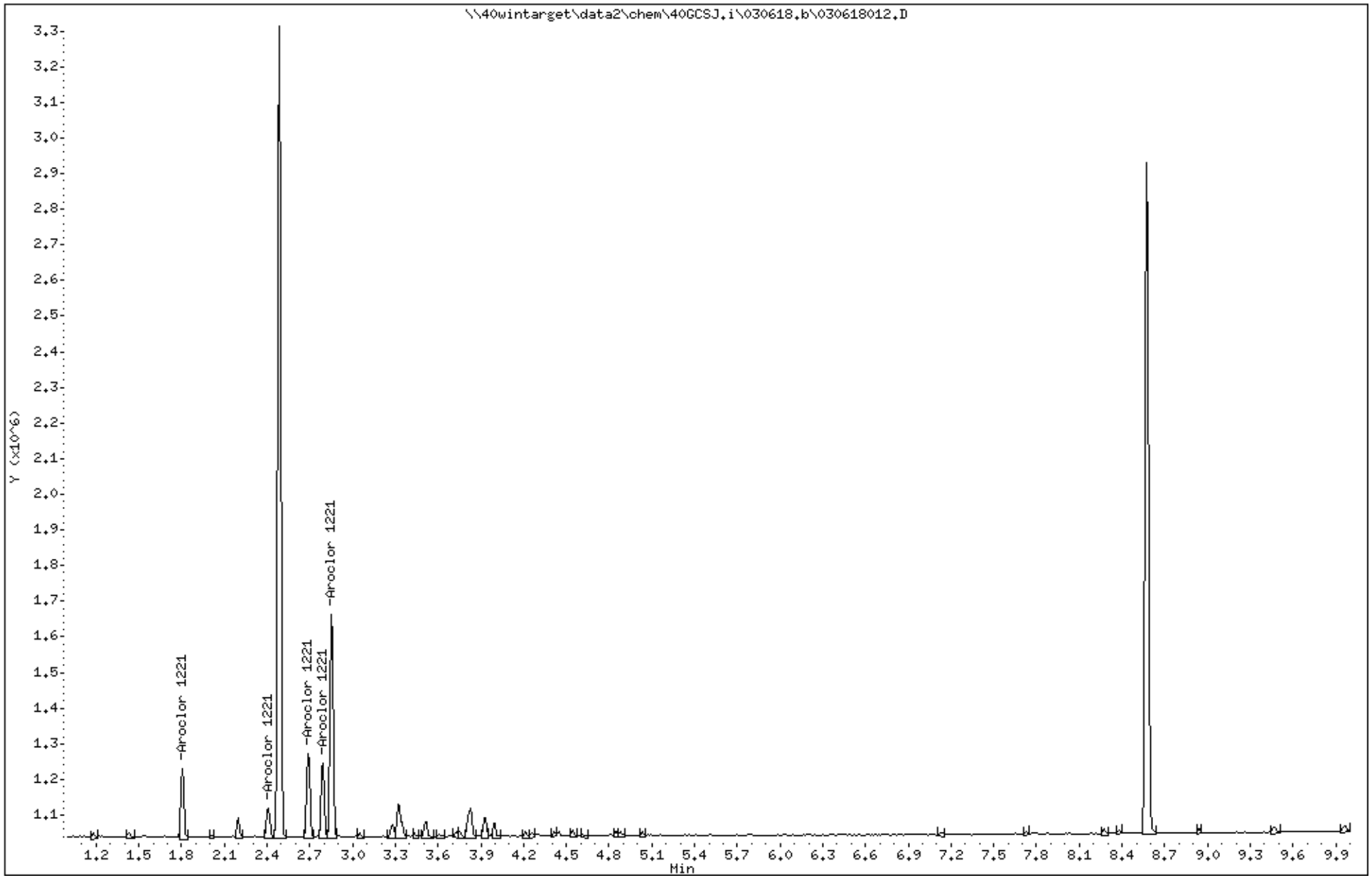
Instrument: 40GCSJ.i

Sample Info: 1221-CAL2F, 188139:1

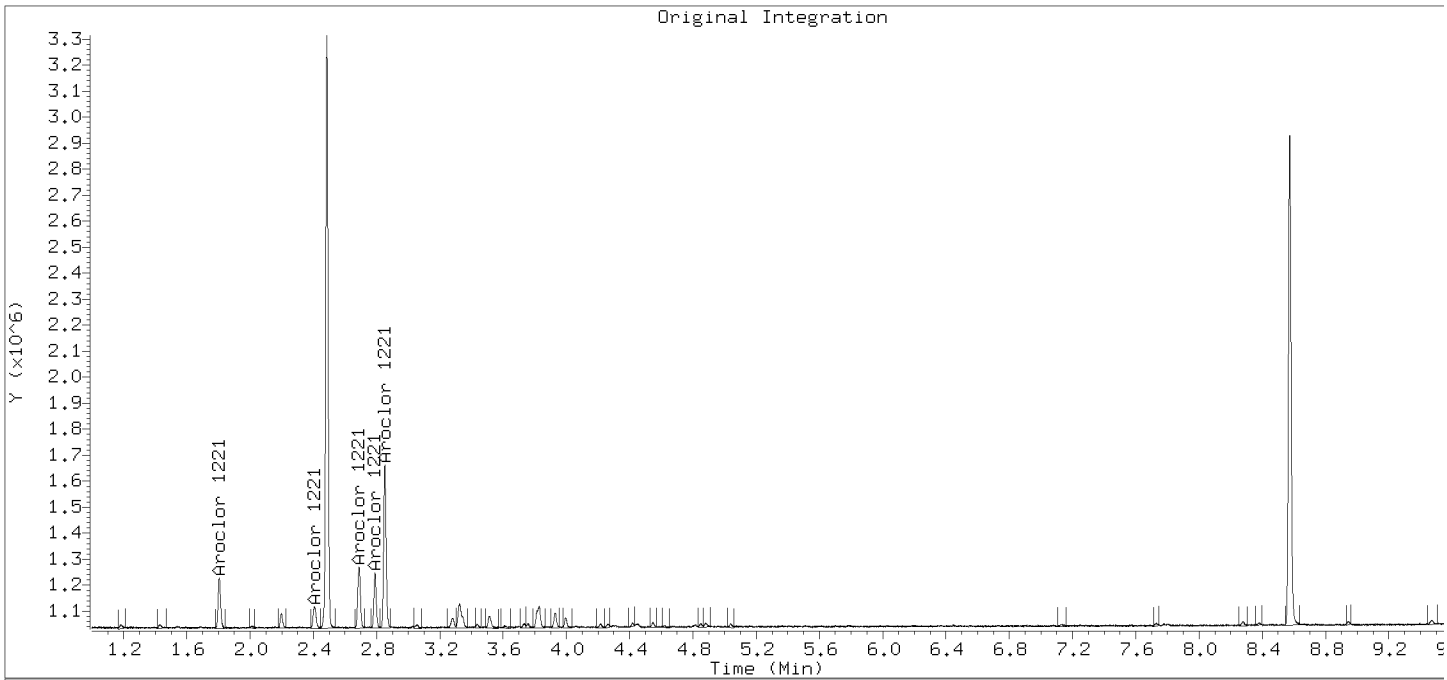
Operator: BLM

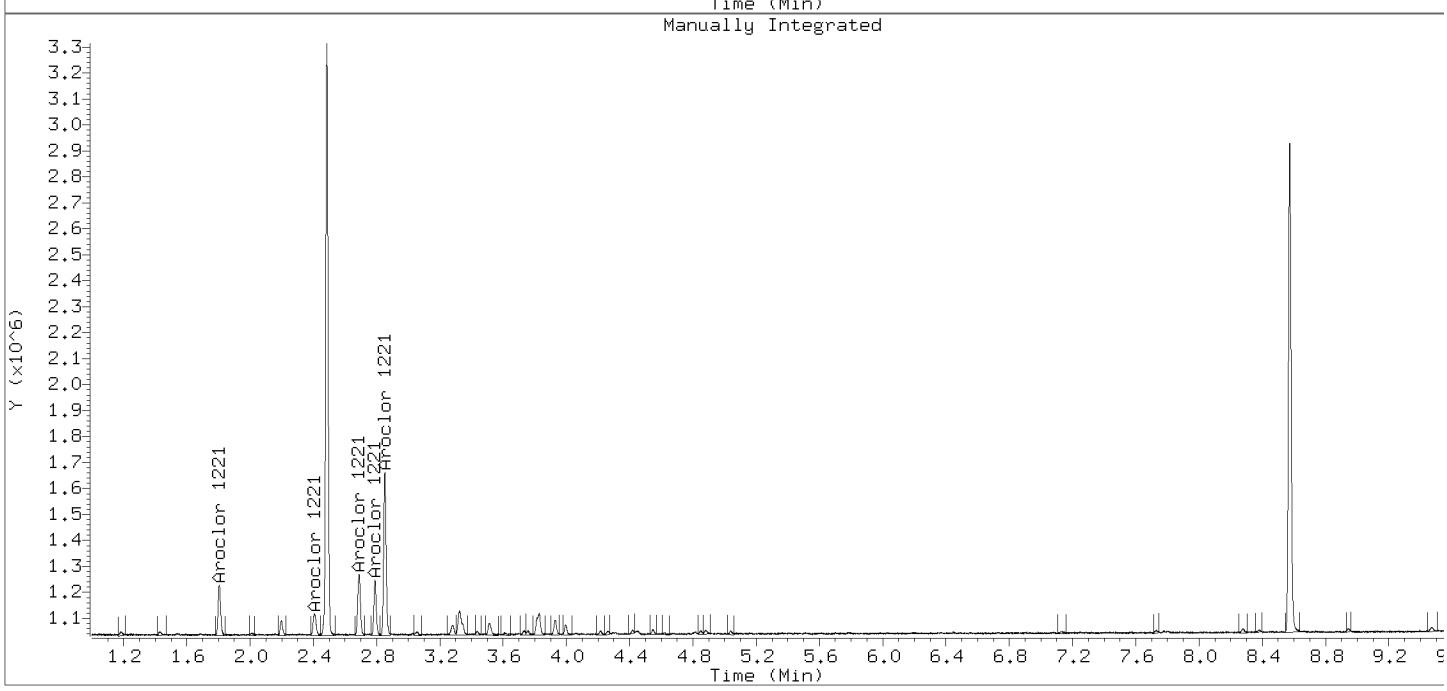
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618012.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:23 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CAL2F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	219680	222151	BA
Aroclor 1221	219680	222151	BA
Aroclor 1221	219680	222151	BA
Aroclor 1221	219680	222151	BA
Aroclor 1221	219680	222151	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618014.D
Lab Smp Id: 1221-CAL3F Client Smp ID: 1221-CAL3F
Inj Date : 06-MAR-2018 12:39
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal3f, 185538:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:39 Cal File: 030618014.D
Als bottle: 8 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
1.184	46886	34819	0.743	0.27		
1.429	37682	34000	0.902	0.22		
1.540	18475	13916	0.753	0.11		
1.686	12215	9839	0.805	0.07		
1.805	490239	441873	0.901	2.92	1 Aroclor 1221	BA
2.010	34778	21164	0.609	0.20		
2.197	148893	131934	0.886	0.88		
2.408	263311	192077	0.729	1.56	1 Aroclor 1221	BA
2.485	5899001	5597678	0.949	35.41		
2.688	658124	555463	0.844	3.92	1 Aroclor 1221	BA
2.790	519264	501204	0.965	3.09	1 Aroclor 1221	BA
2.851	1583519	1422292	0.898	9.43	1 Aroclor 1221	BA
3.030	16777	16577	0.988	0.09		
3.055	39004	30894	0.792	0.23		
3.213	9910	8832	0.891	0.05		
3.281	111839	84209	0.753	0.66		
3.325	365423	215871	0.591	2.17		
3.437	35737	30648	0.858	0.21		
3.514	140459	101998	0.726	0.83		
3.608	20183	17591	0.872	0.12		
3.732	32639	35941	1.101	0.19		
3.757	24903	28786	1.156	0.14		
3.827	309924	194764	0.628	1.84		
3.930	154650	131637	0.851	0.92		
3.996	105091	94784	0.902	0.62		
4.058	20977	14811	0.706	0.12		
4.215	34584	31722	0.917	0.20		
4.262	26916	30192	1.122	0.16		
4.292	16244	12494	0.769	0.09		
4.374	10462	9206	0.880	0.06		
4.418	41223	41705	1.012	0.24		
4.452	49711	28399	0.571	0.29		
4.545	54290	46656	0.859	0.32		
4.616	14003	11847	0.846	0.08		
4.812	21709	20229	0.932	0.12		
4.848	35650	33592	0.942	0.21		
4.882	55103	37630	0.683	0.32		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.039	36880	30922	0.838	0.21	
5.164	10614	9077	0.855	0.06	
5.703	10136	9806	0.967	0.06	
5.794	11063	9888	0.894	0.06	
6.450	15885	11521	0.725	0.09	
7.126	18110	12799	0.707	0.10	
7.730	23581	20558	0.872	0.14	
7.777	18011	13331	0.740	0.10	
7.801	14860	14996	1.009	0.08	
8.276	48701	37600	0.772	0.29	
8.381	26483	18054	0.682	0.15	
8.573	5020450	4347562	0.866	29.92	
8.945	30595	17805	0.582	0.18	
9.086	11785	9130	0.775	0.07	
9.963	22483	17745	0.789	0.13	
	16779431	14848068		100.000	

Total unknown % area = 79

Pace Analytical Services, Inc.

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Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618014.D
Lab Smp Id: 1221-CAL3F Client Smp ID: 1221-CAL3F
Inj Date : 06-MAR-2018 12:39
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal3f, 185538:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:39 Cal File: 030618014.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
1.804	1.804	0.000	490239	0.50000	0.47	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	263311	0.50000	0.48	0.00- 20.00	53.71	BA
2.688	2.688	0.000	658123	0.50000	0.48	0.00- 20.00	134.25	BA
2.790	2.789	0.001	519263	0.50000	0.47	0.00- 20.00	105.92	BA
2.851	2.851	0.000	1583519	0.50000	0.49	0.00- 20.00	323.01	BA
Average of Peak Amounts =					0.47800			

QC Flag Legend

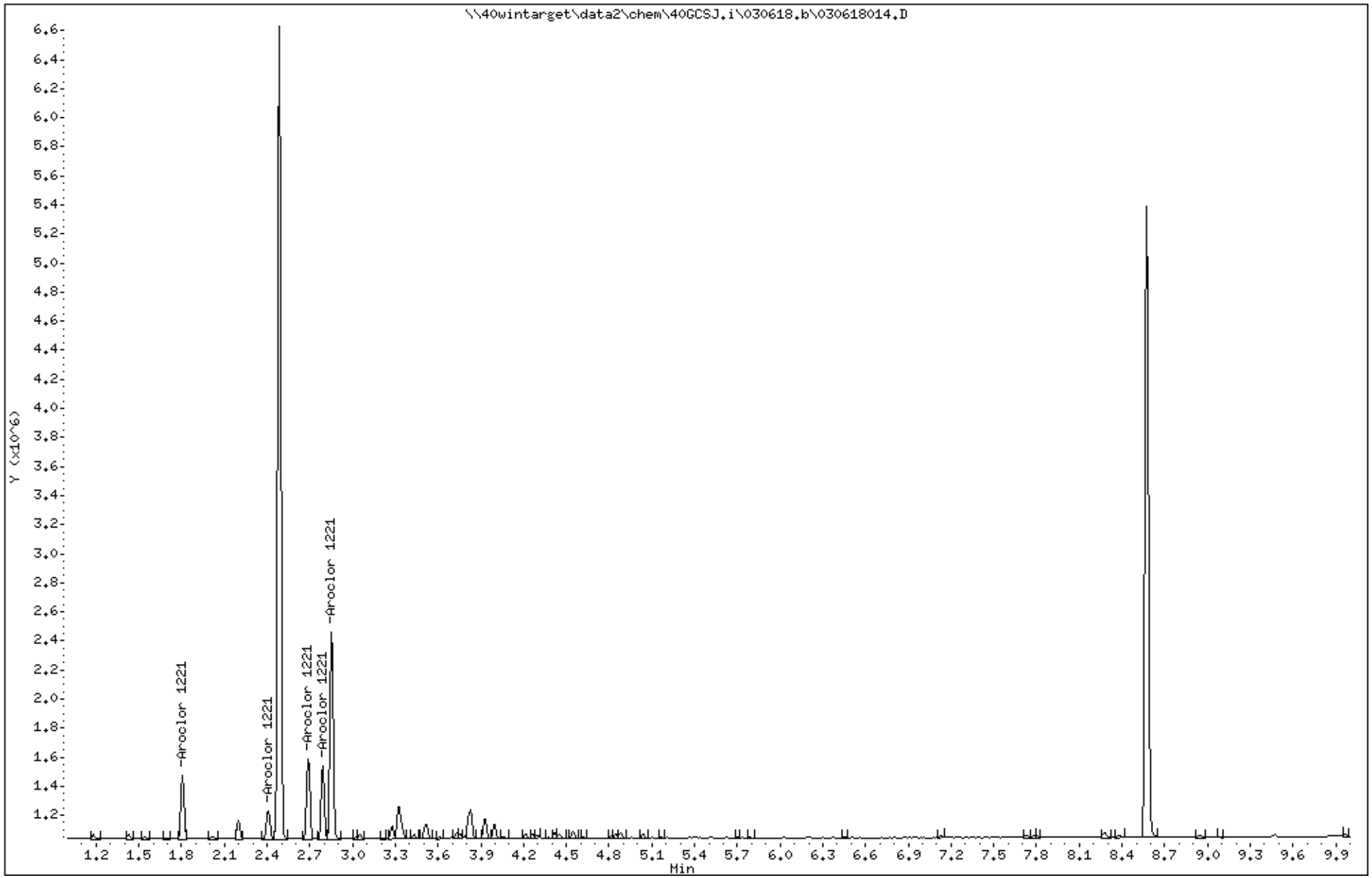
M - Compound response manually integrated.

Review Codes Legend

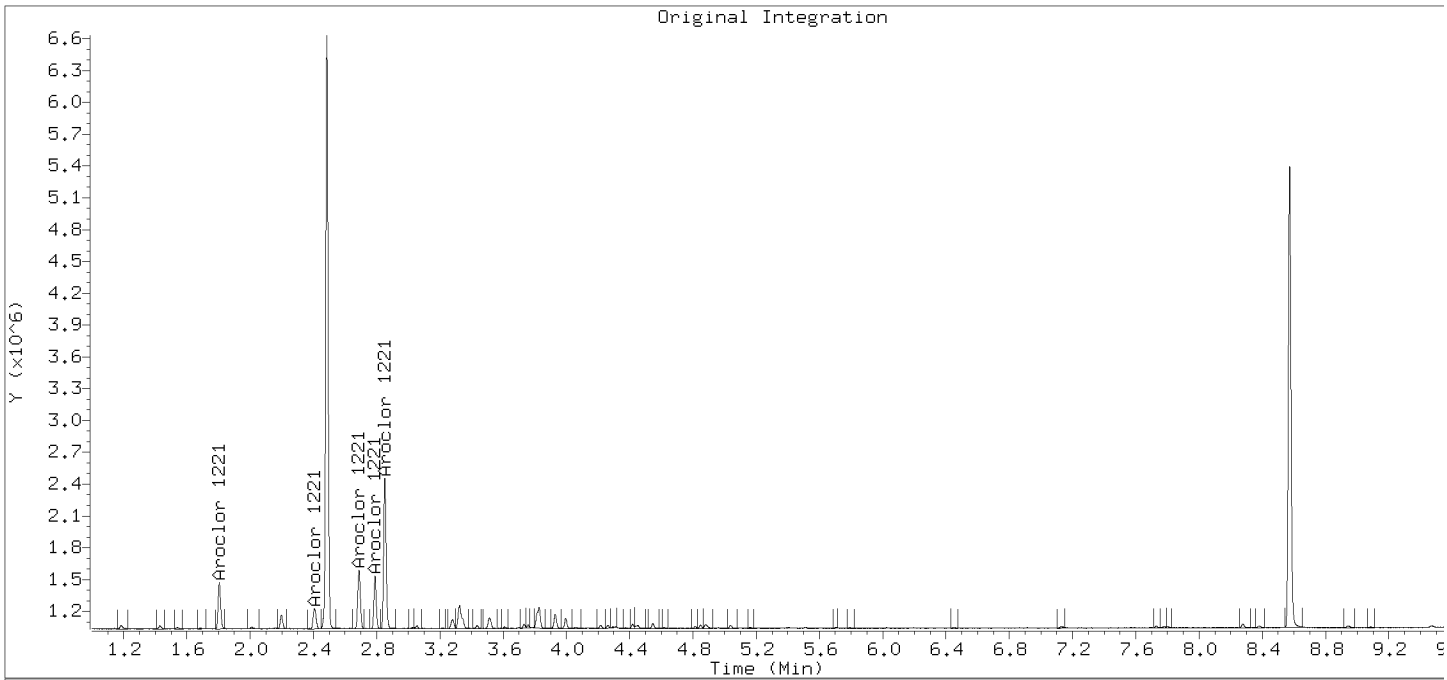
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

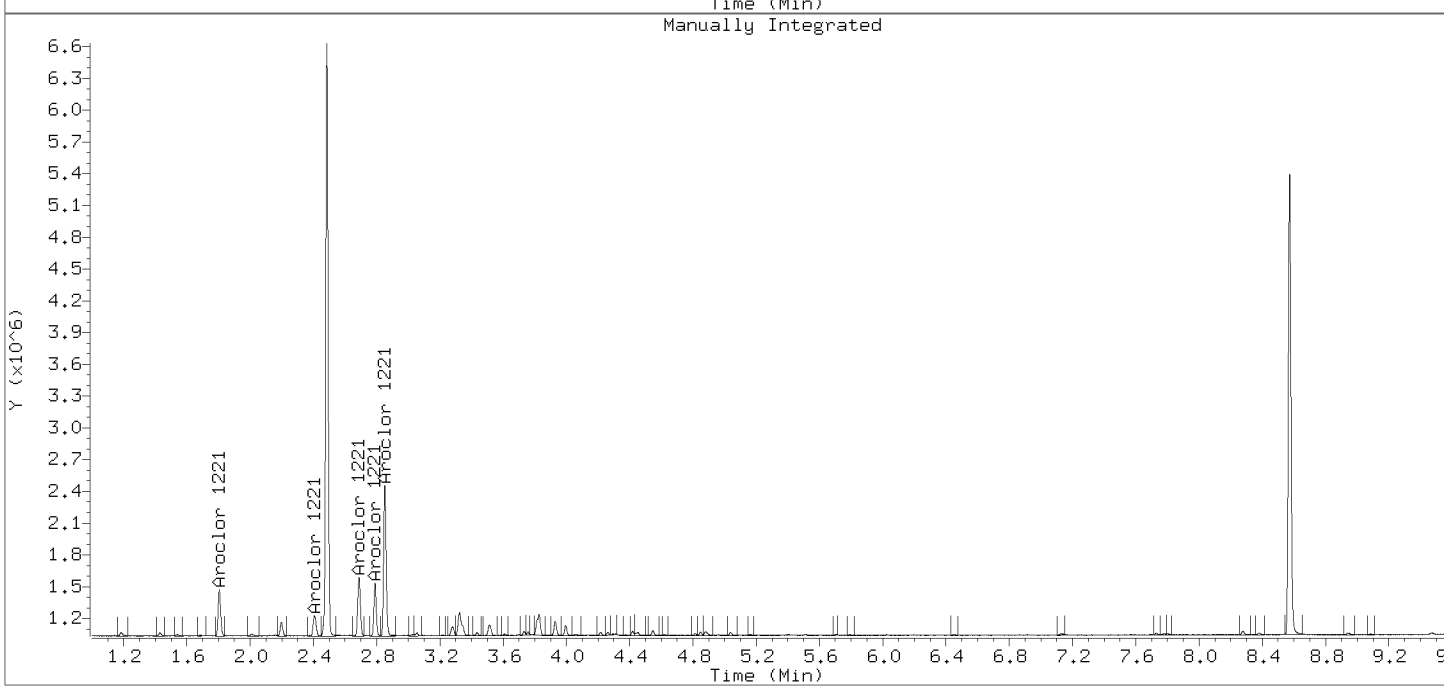
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618014.D
Date : 06-MAR-2018 12:39
Client ID: 1221-CAL3F
Sample Info: 1221-CAL3F, 185538:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618014.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:39 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CAL3F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	483261	490239	BA
Aroclor 1221	483261	490239	BA
Aroclor 1221	483261	490239	BA
Aroclor 1221	483261	490239	BA
Aroclor 1221	483261	490239	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618016.D
Lab Smp Id: 1221-CAL4F Client Smp ID: 1221-CAL4F
Inj Date : 06-MAR-2018 12:55
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal4f, 188140:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:55 Cal File: 030618016.D
Als bottle: 9 Calibration Sample, Level: 4
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
1.181	15077	12970	0.860	0.04		
1.430	62013	58411	0.942	0.20		
1.540	29523	27434	0.929	0.09		
1.682	10134	8214	0.811	0.03		
1.804	785551	700381	0.892	2.59	1 Aroclor 1221	BA
2.162	17608	16089	0.914	0.05		
2.197	232212	214361	0.923	0.76		
2.408	409142	300406	0.734	1.35	1 Aroclor 1221	BA
2.485	11502194	11125302	0.967	38.28		
2.689	1067134	893347	0.837	3.52	1 Aroclor 1221	BA
2.789	853931	817692	0.958	2.82	1 Aroclor 1221	BA
2.851	2470730	2197877	0.890	8.16	1 Aroclor 1221	BA
3.053	58135	49830	0.857	0.19		
3.280	178171	134368	0.754	0.58		
3.325	581244	339314	0.584	1.92		
3.436	58621	50800	0.867	0.19		
3.513	227025	162531	0.716	0.75		
3.611	30500	29323	0.961	0.10		
3.696	15508	16983	1.095	0.05		
3.732	59581	61761	1.037	0.19		
3.757	63343	56081	0.885	0.20		
3.827	512825	311364	0.607	1.69		
3.929	244641	209892	0.858	0.80		
3.995	150703	143674	0.953	0.49		
4.059	21801	19537	0.896	0.07		
4.134	11088	10051	0.906	0.03		
4.215	55304	52296	0.946	0.18		
4.260	51932	50173	0.966	0.17		
4.291	25327	22345	0.882	0.08		
4.311	24902	25307	1.016	0.08		
4.418	49634	53105	1.070	0.16		
4.443	38631	29989	0.776	0.12		
4.547	83853	73357	0.875	0.27		
4.617	26087	19117	0.733	0.08		
4.814	30317	32424	1.069	0.10		
4.849	51073	52237	1.023	0.16		
4.880	70316	49193	0.700	0.23		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.038	59957	50669	0.845	0.19	
5.103	12689	10469	0.825	0.04	
5.163	17456	13811	0.791	0.05	
5.216	17786	12808	0.720	0.05	
5.360	16391	9844	0.601	0.05	
5.406	16004	13419	0.838	0.05	
5.445	10313	9432	0.915	0.03	
5.512	20459	14813	0.724	0.06	
5.793	13847	11803	0.852	0.04	
7.123	27333	14055	0.514	0.09	
7.694	9264	9447	1.020	0.03	
7.729	46203	36902	0.799	0.15	
7.800	22162	20669	0.933	0.07	
8.276	84580	73604	0.870	0.27	
8.381	14600	14602	1.000	0.04	
8.573	9619023	8259708	0.859	31.79	
8.941	10654	8547	0.802	0.03	
9.090	21504	11989	0.558	0.07	
9.466	18951	12488	0.659	0.06	
9.960	21699	14589	0.672	0.07	
	30256687	27051204		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618016.D
Lab Smp Id: 1221-CAL4F Client Smp ID: 1221-CAL4F
Inj Date : 06-MAR-2018 12:55
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal4f, 188140:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:55 Cal File: 030618016.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
1.804	1.804	0.000	785550	0.80000	0.75	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	409142	0.80000	0.75	0.00- 20.00	52.08	BA
2.688	2.688	0.000	1067134	0.80000	0.77	0.00- 20.00	135.85	BA
2.789	2.789	0.000	853931	0.80000	0.77	0.00- 20.00	108.70	BA
2.851	2.851	0.000	2470729	0.80000	0.76	0.00- 20.00	314.52	BA
Average of Peak Amounts =					0.76000			

QC Flag Legend

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\40GCSJ.i\030618.b\030618016.D

Date : 06-MAR-2018 12:55

Client ID: 1221-CAL4F

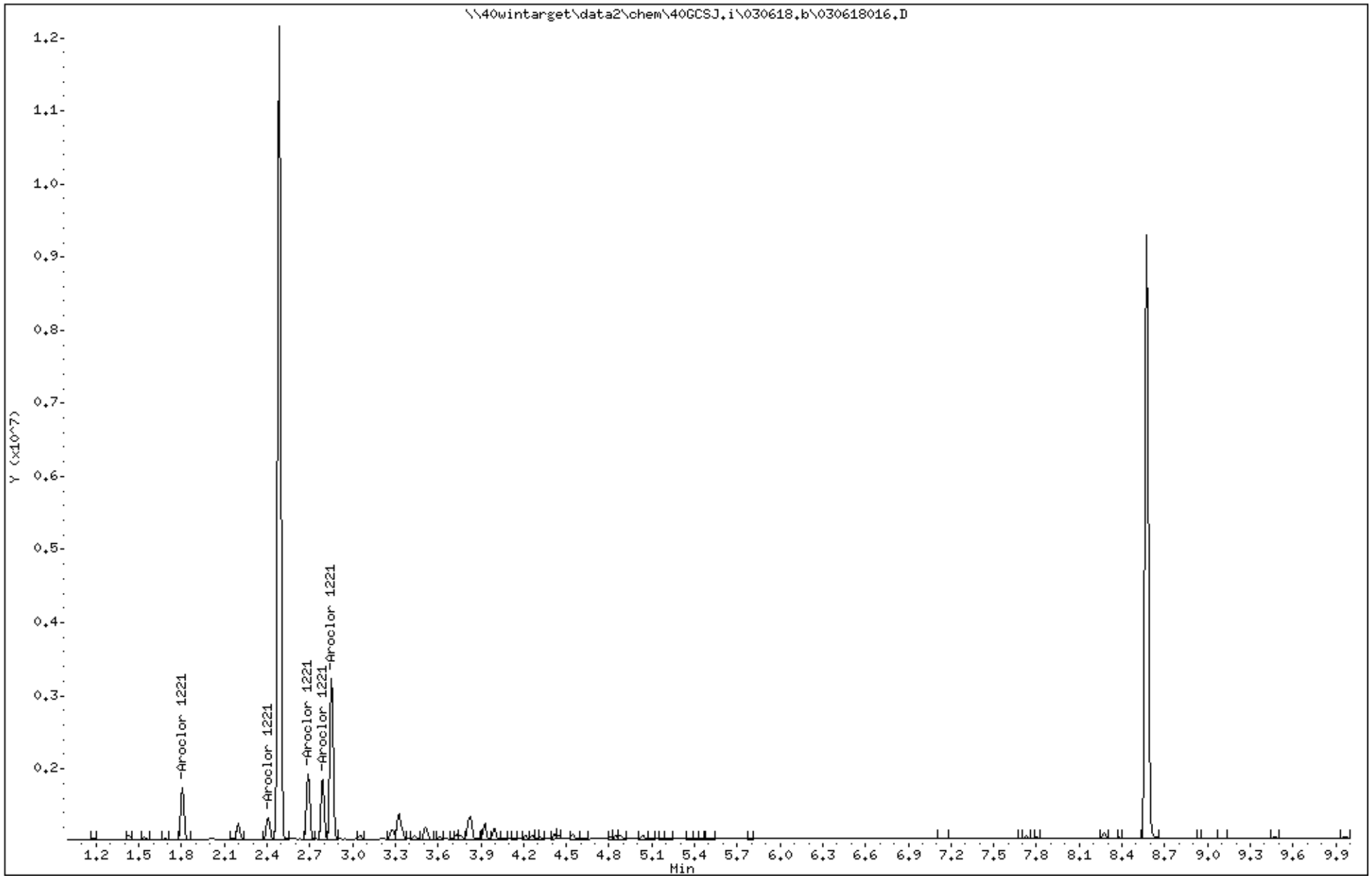
Instrument: 40GCSJ.i

Sample Info: 1221-CAL4F, 188140:1

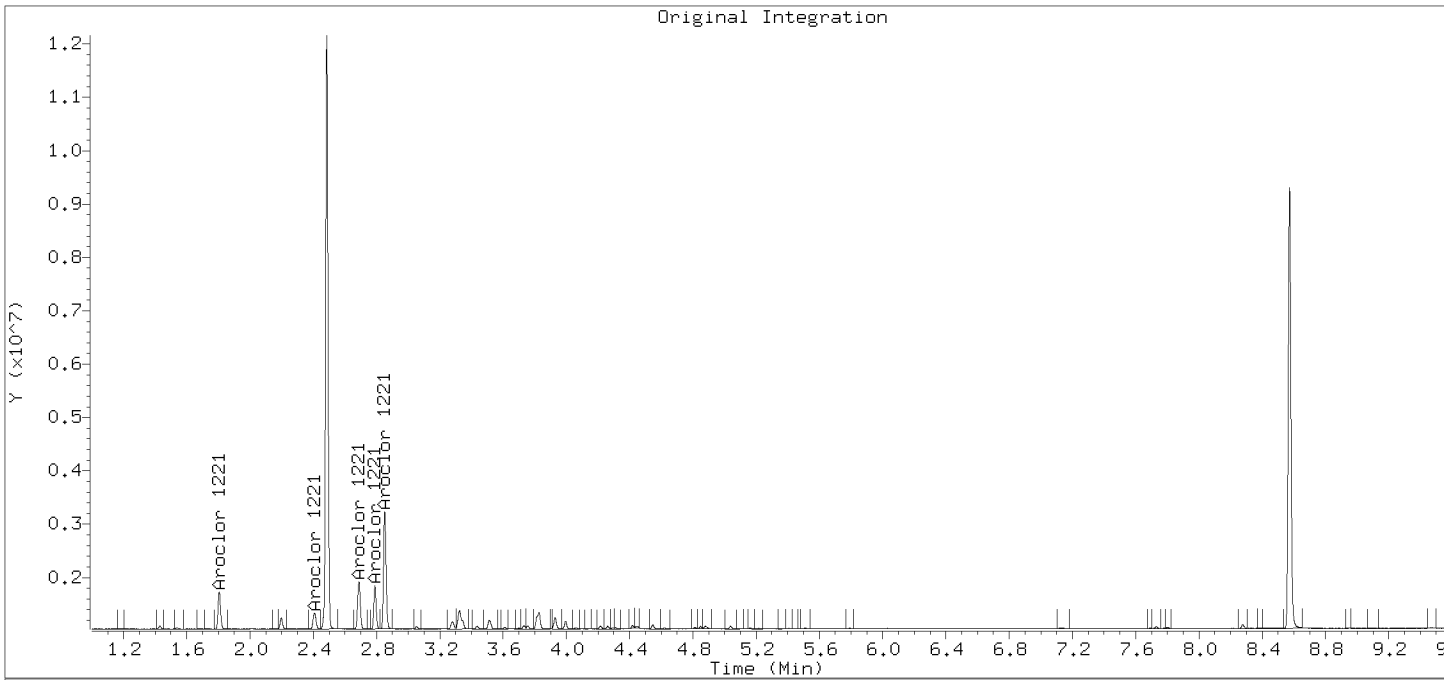
Operator: BLM

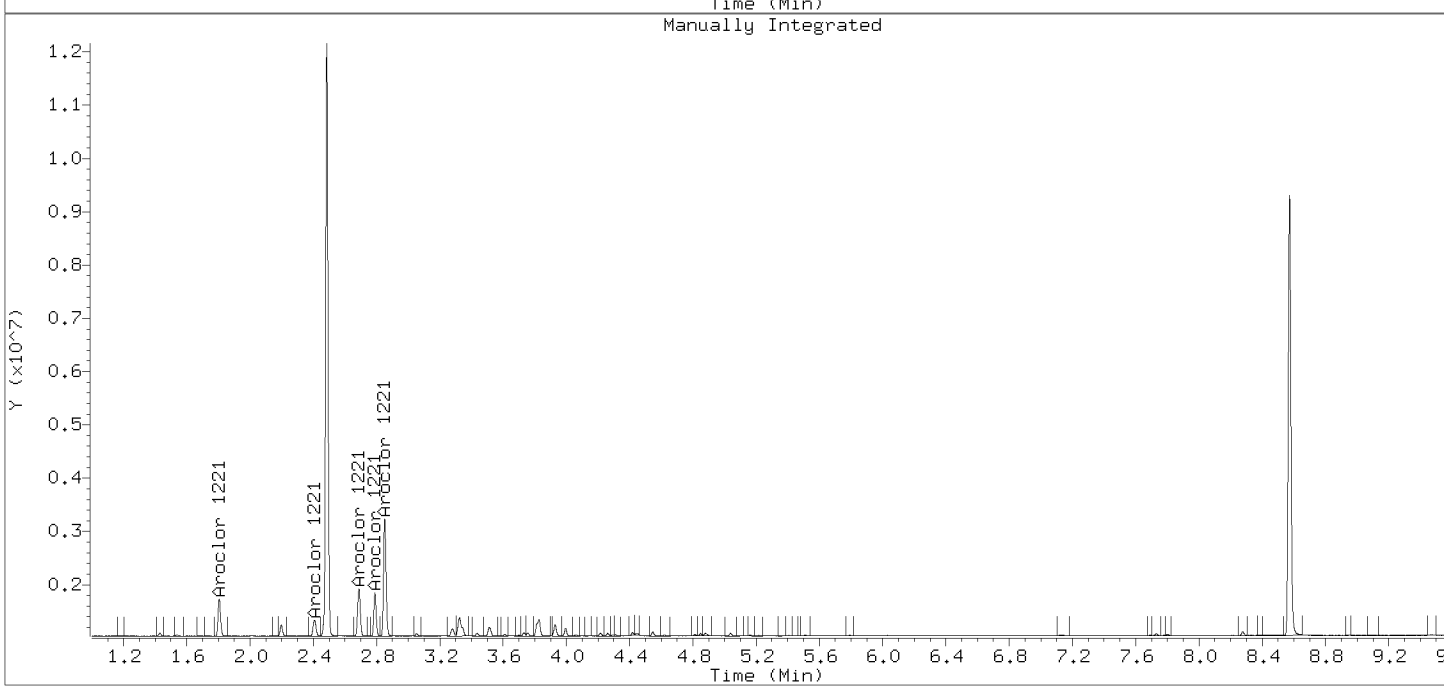
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618016.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:55 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CAL4F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	780911	785550	BA
Aroclor 1221	780911	785550	BA
Aroclor 1221	780911	785550	BA
Aroclor 1221	780911	785550	BA
Aroclor 1221	780911	785550	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618018.D
Lab Smp Id: 1221-CAL5F Client Smp ID: 1221-CAL5F
Inj Date : 06-MAR-2018 13:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal5f, 188141:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:11 Cal File: 030618018.D
Als bottle: 10 Calibration Sample, Level: 5
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
1.429	91782	83949	0.915	0.21		
1.539	45153	34415	0.762	0.10		
1.806	964273	851004	0.883	2.23	1 Aroclor 1221	BA
2.014	11838	7838	0.662	0.02		
2.160	16492	15827	0.960	0.03		
2.198	286599	255763	0.892	0.66		
2.408	501535	366636	0.731	1.16	1 Aroclor 1221	BA
2.486	17378255	16694368	0.961	40.52		
2.688	1314776	1093955	0.832	3.04	1 Aroclor 1221	BA
2.790	1091213	1024965	0.939	2.52	1 Aroclor 1221	BA
2.851	3058815	2705599	0.885	7.08	1 Aroclor 1221	BA
3.053	74407	64323	0.864	0.17		
3.217	18486	13382	0.724	0.04		
3.281	228692	172494	0.754	0.52		
3.325	747509	424295	0.568	1.73		
3.436	77500	63495	0.819	0.17		
3.513	280490	203651	0.726	0.64		
3.612	49578	44845	0.905	0.11		
3.701	23500	20479	0.871	0.05		
3.734	76655	76322	0.996	0.17		
3.757	81462	74126	0.910	0.18		
3.827	635271	385105	0.606	1.47		
3.929	312825	252728	0.808	0.72		
3.995	186590	175263	0.939	0.43		
4.062	31750	23556	0.742	0.07		
4.138	17974	12098	0.673	0.04		
4.217	72031	63997	0.888	0.16		
4.261	66789	61014	0.914	0.15		
4.293	54107	32297	0.597	0.12		
4.418	84432	78861	0.934	0.19		
4.451	94426	56177	0.595	0.21		
4.546	109930	92350	0.840	0.25		
4.618	33492	25022	0.747	0.07		
4.815	42406	39475	0.931	0.09		
4.849	68687	65653	0.956	0.15		
4.881	95718	65369	0.683	0.22		
4.957	18933	12531	0.662	0.04		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.037	71300	62002	0.870	0.16	
5.101	11578	12947	1.118	0.02	
5.162	15068	13787	0.915	0.03	
5.208	16758	12735	0.760	0.03	
5.363	13212	11132	0.843	0.03	
5.408	17007	15696	0.923	0.03	
5.445	14075	10385	0.738	0.03	
5.512	25865	18240	0.705	0.05	
5.792	16968	13288	0.783	0.03	
6.028	13891	11907	0.857	0.03	
7.125	30918	19205	0.621	0.07	
7.692	13631	9457	0.694	0.03	
7.729	65348	56318	0.862	0.15	
7.802	42671	34037	0.798	0.09	
8.277	126824	104866	0.827	0.29	
8.379	18877	14713	0.779	0.04	
8.573	14268732	12292631	0.862	33.03	
8.940	12885	8913	0.692	0.02	
9.089	24129	17399	0.721	0.05	
9.468	12972	8897	0.686	0.03	
9.969	15122	10700	0.708	0.03	
	43192203	38492482		100.000	

Total unknown % area = 84

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Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618018.D
Lab Smp Id: 1221-CAL5F Client Smp ID: 1221-CAL5F
Inj Date : 06-MAR-2018 13:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-cal5f, 188141:1
Misc Info : 17498,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:11 Cal File: 030618018.D
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
1.806	1.804	0.002	964273	1.00000	0.93	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	501535	1.00000	0.92	0.00- 20.00	52.01	BA
2.688	2.688	0.000	1314775	1.00000	0.95	0.00- 20.00	136.35	BA
2.789	2.789	0.000	1091213	1.00000	0.99	0.00- 20.00	113.16	BA
2.851	2.851	0.000	3058814	1.00000	0.94	0.00- 20.00	317.21	BA
Average of Peak Amounts =					0.94600			

QC Flag Legend

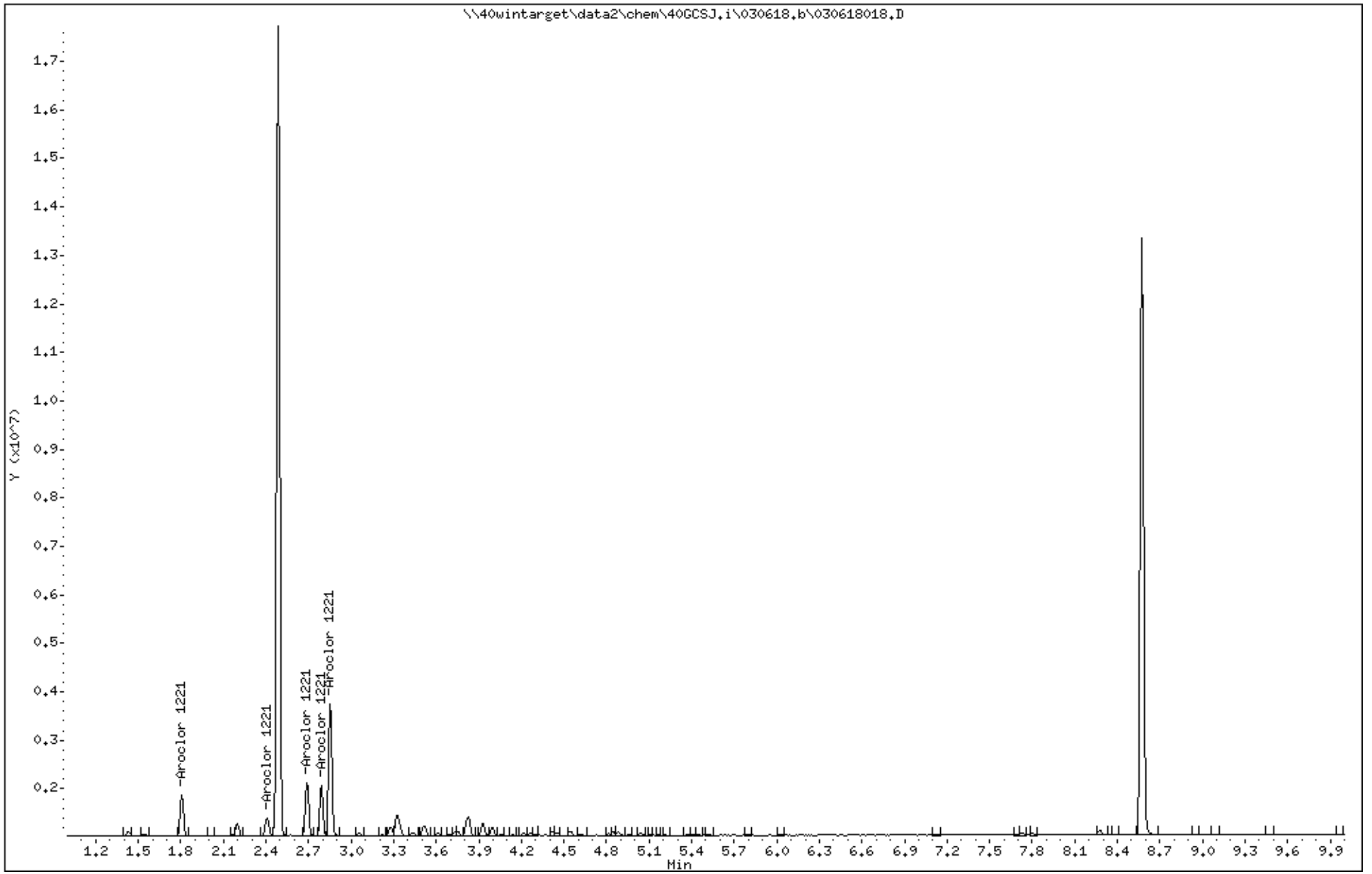
M - Compound response manually integrated.

Review Codes Legend

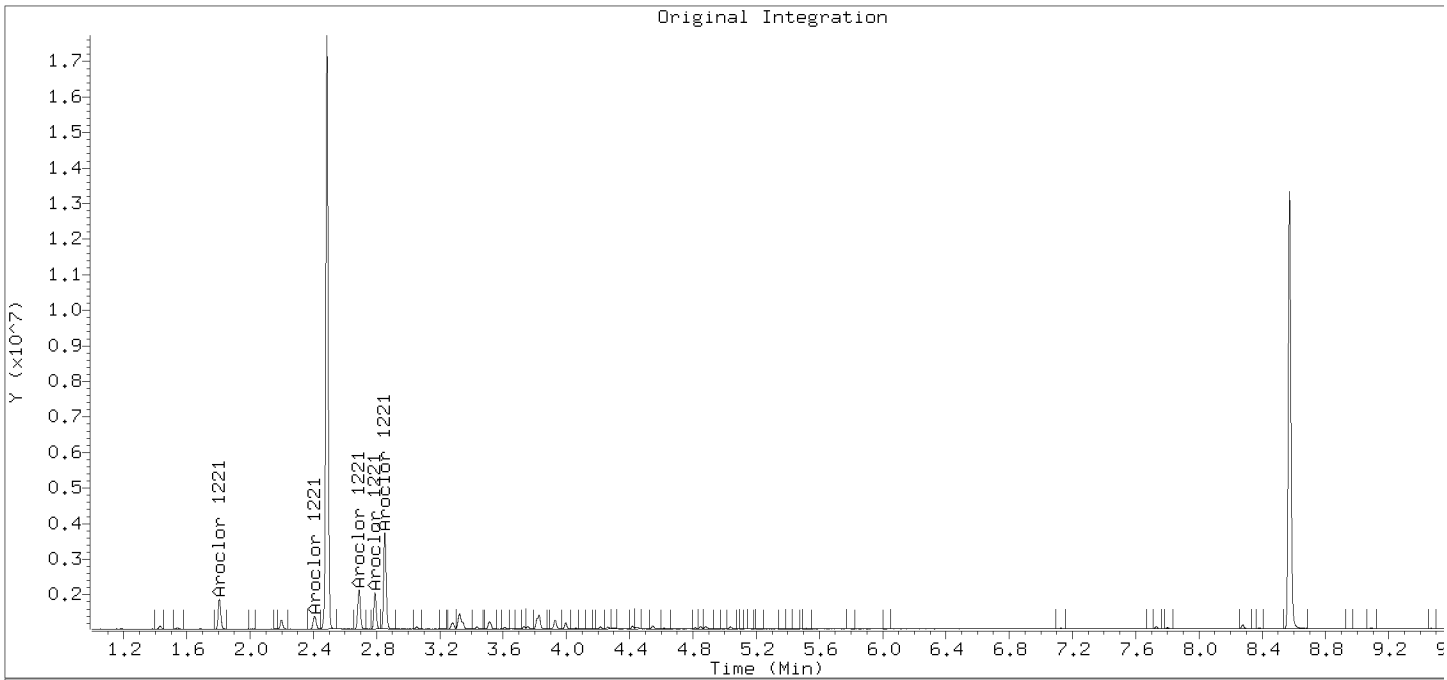
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

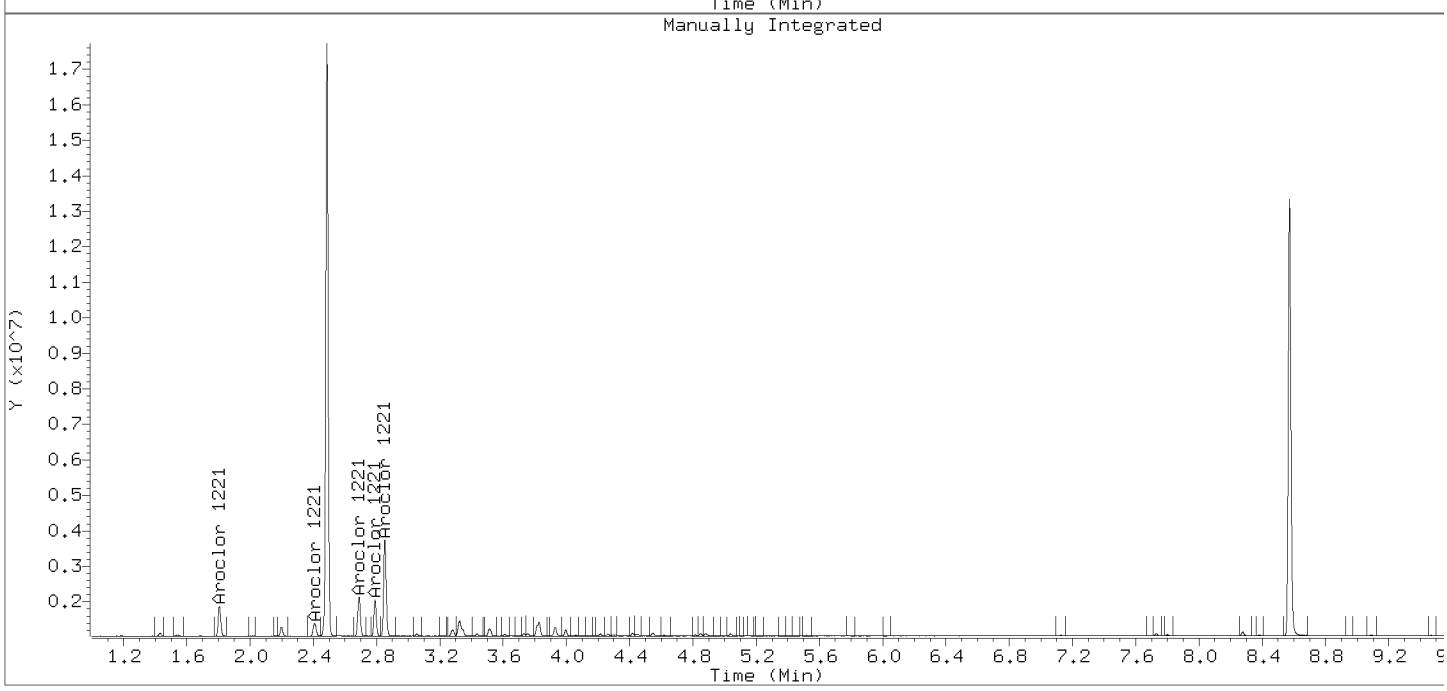
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618018.D
Date : 06-MAR-2018 13:11
Client ID: 1221-CAL5F
Sample Info: 1221-CAL5F, 188141:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618018.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 13:11 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CAL5F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	958762	964273	BA
Aroclor 1221	958762	964273	BA
Aroclor 1221	958762	964273	BA
Aroclor 1221	958762	964273	BA
Aroclor 1221	958762	964273	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618022.D
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 06-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal1b, 188132:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:44 Cal File: 030618022.D
Als bottle: 12 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
1.183	48353	40712	0.842	0.55		
1.685	15584	12605	0.809	0.18		
2.012	33033	24593	0.745	0.38		
2.403	26701	21656	0.811	0.30		
2.485	1268339	1220330	0.962	14.93		
2.688	45903	34473	0.751	0.53		
2.791	63166	56222	0.890	0.73		
2.851	204981	187245	0.913	2.37		
3.026	22317	19810	0.888	0.25		
3.055	37376	31867	0.853	0.43		
3.318	277256	257375	0.928	3.21	3 Aroclor 1242	BA
3.345	154841	150344	0.971	1.79		
3.435	49043	39609	0.808	0.56		
3.514	273951	193620	0.707	3.17	3 Aroclor 1242	BA
3.733	69544	68947	0.991	0.80		
3.757	45882	42206	0.920	0.53		
3.827	769590	449825	0.584	8.91	3 Aroclor 1242	BA
3.929	328754	270344	0.822	3.80	3 Aroclor 1242	BA
3.996	224743	217453	0.968	2.60	3 Aroclor 1242	BA
4.059	72772	62645	0.861	0.84		
4.135	32124	25139	0.783	0.37		
4.215	184258	174093	0.945	2.13		
4.262	175232	166947	0.953	2.02		
4.295	76283	77062	1.010	0.88		
4.310	94862	88633	0.934	1.09		
4.417	242650	230875	0.951	2.80		
4.453	185260	138108	0.745	2.14		
4.547	310173	288905	0.931	3.59		
4.617	78937	69004	0.874	0.91		
4.726	21360	16230	0.760	0.24		
4.770	22579	18643	0.826	0.26		
4.813	144508	140479	0.972	1.67		
4.848	244505	231221	0.946	2.83		
4.880	333816	245294	0.735	3.86		
4.958	38640	32017	0.829	0.44		
5.039	262014	232176	0.886	3.03		
5.099	55213	47400	0.858	0.63		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.164	71096	60506	0.851	0.82	
5.213	54601	49311	0.903	0.63	
5.310	15720	13003	0.827	0.18	
5.363	43486	39659	0.912	0.50	
5.407	75906	62166	0.819	0.87	
5.447	47603	40647	0.854	0.55	
5.511	110554	91386	0.827	1.28	
5.605	38987	31752	0.814	0.45	
5.702	21923	17168	0.783	0.25	
5.793	90266	69831	0.774	1.04	
5.888	18665	11476	0.615	0.21	
6.027	83046	57198	0.689	0.96	
6.301	23663	20357	0.860	0.27	
6.450	25108	16371	0.652	0.29	
7.135	16747	14415	0.861	0.19	
7.722	10233	8765	0.857	0.11	
7.774	20981	14974	0.714	0.24	
8.276	10004	11485	1.148	0.11	
8.381	26018	18613	0.715	0.30	
8.572	1221508	1021745	0.836	14.14	
8.943	31681	20256	0.639	0.36	
9.468	21143	16317	0.772	0.24	
9.964	23088	17512	0.758	0.26	
	8636569	7349020		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618022.D
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 06-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal1b, 188132:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:44 Cal File: 030618022.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor 1242					CAS #: 53469-21-9			
3.318	3.318	0.000	277256	0.10000	0.11	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	273950	0.10000	0.11	0.00- 20.00	98.81	BA
3.826	3.827	-0.001	769589	0.10000	0.11	0.00- 20.00	277.57	BA
3.928	3.929	-0.001	328754	0.10000	0.11	0.00- 20.00	118.57	BA
3.995	3.995	0.000	224742	0.10000	0.11	0.00- 20.00	81.06	BA
Average of Peak Amounts =					0.11000			

QC Flag Legend

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\40GCSJ.i\030618.b\030618022.D

Date : 06-MAR-2018 13:44

Client ID: 1242-CAL1B

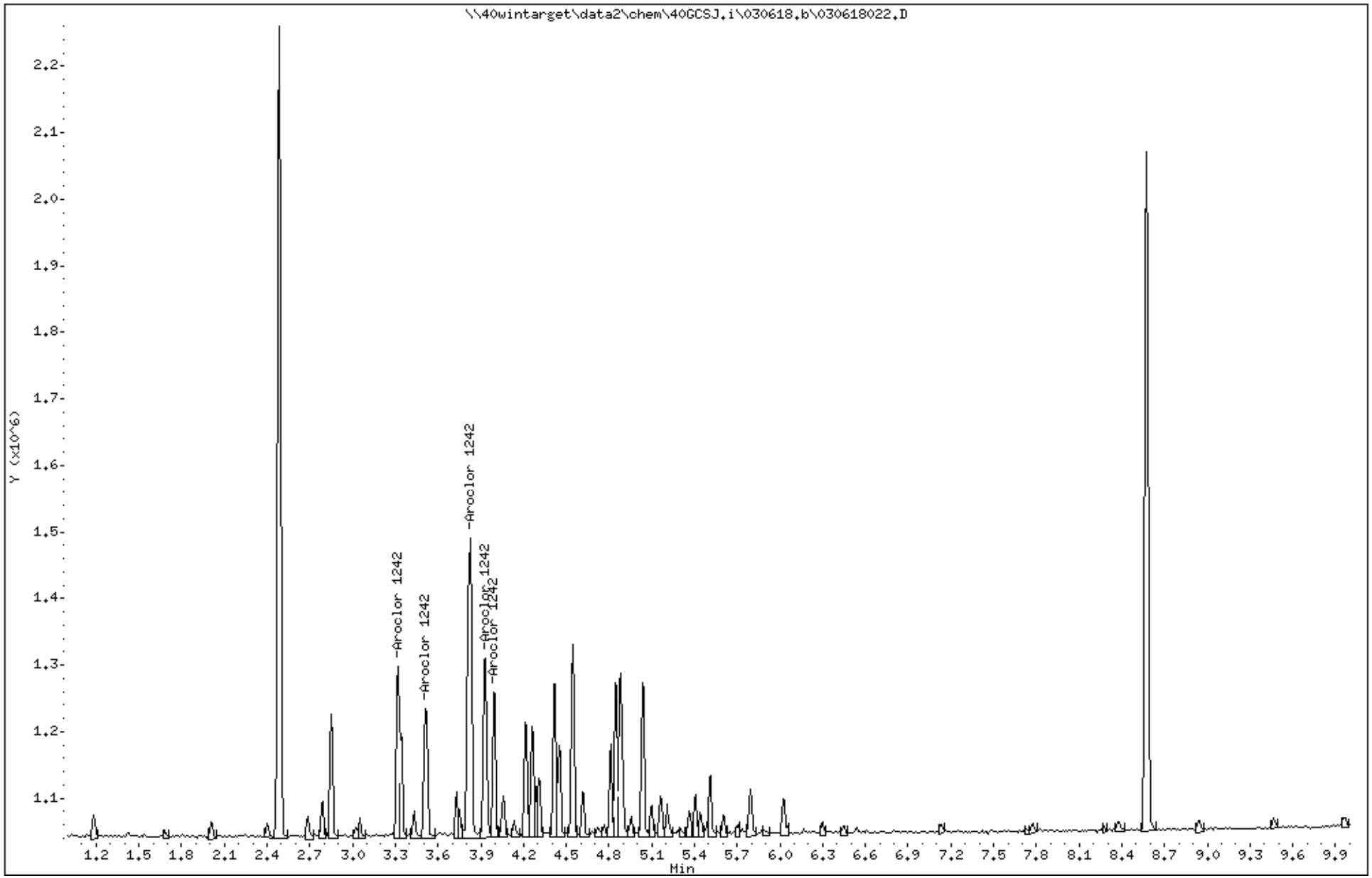
Instrument: 40GCSJ.i

Sample Info: 1242-CAL1B, 188132:1

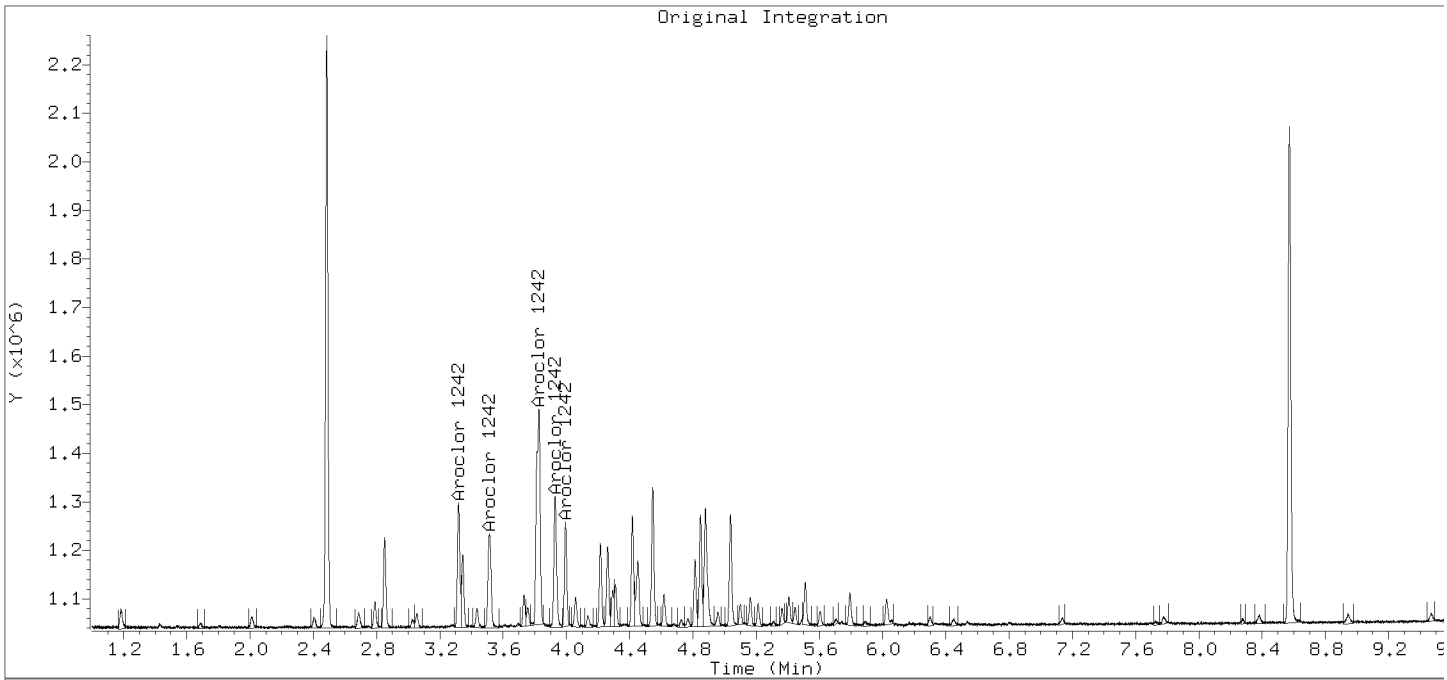
Operator: BLM

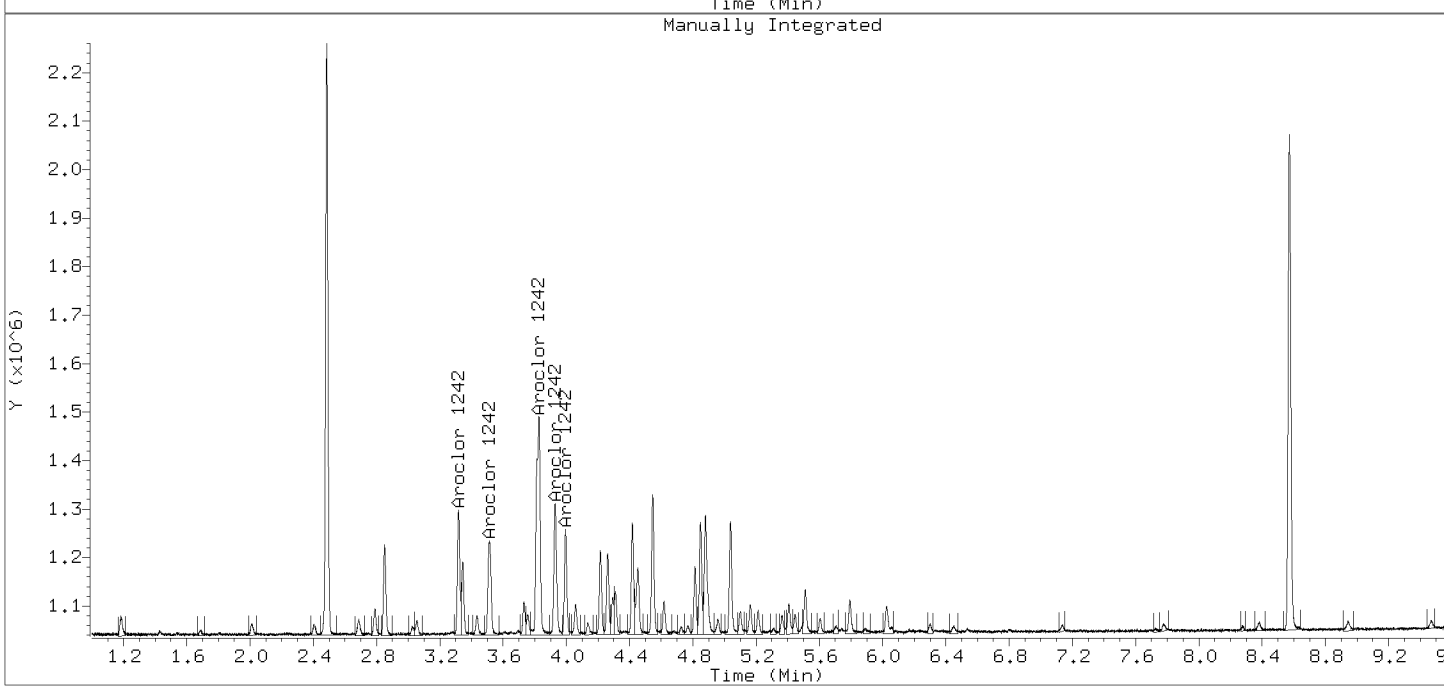
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618022.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 13:44 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CAL1B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	273881	277256	BA
Aroclor 1242	273881	277256	BA
Aroclor 1242	273881	277256	BA
Aroclor 1242	273881	277256	BA
Aroclor 1242	273881	277256	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618024.D
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 06-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal2b, 185543:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:00 Cal File: 030618024.D
Als bottle: 13 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
1.184	14220	11208	0.788	0.08		
1.430	13376	14873	1.112	0.08		
1.537	12556	8533	0.680	0.07		
1.684	10310	8364	0.811	0.06		
1.803	9301	8955	0.963	0.05		
2.404	53409	39369	0.737	0.33		
2.484	2424898	2340795	0.965	15.45		
2.685	71092	59059	0.831	0.44		
2.789	112696	106870	0.948	0.70		
2.851	383763	360025	0.938	2.38		
3.054	60192	54572	0.907	0.37		
3.319	537600	506479	0.942	3.34	3 Aroclor 1242	BA
3.344	300840	286923	0.954	1.87		
3.434	87992	78217	0.889	0.54		
3.514	520152	378008	0.727	3.23	3 Aroclor 1242	BA
3.607	13378	11603	0.867	0.08		
3.696	19908	16213	0.814	0.12		
3.732	129346	131457	1.016	0.80		
3.756	89938	85088	0.946	0.56		
3.826	1494620	886299	0.593	9.30	3 Aroclor 1242	BA
3.929	633849	547272	0.863	3.94	3 Aroclor 1242	BA
3.994	415519	392907	0.946	2.58	3 Aroclor 1242	BA
4.059	126568	116783	0.923	0.78		
4.137	53777	45505	0.846	0.33		
4.216	349073	338096	0.969	2.17		
4.261	336841	321968	0.956	2.09		
4.293	139012	148834	1.071	0.86		
4.310	185086	169258	0.914	1.15		
4.372	13133	10098	0.769	0.08		
4.418	470013	436944	0.930	2.92		
4.452	357597	265664	0.743	2.22		
4.546	610105	562073	0.921	3.79		
4.618	143247	130258	0.909	0.89		
4.727	34627	28696	0.829	0.21		
4.768	38705	34109	0.881	0.24		
4.814	277192	264316	0.954	1.72		
4.849	476923	458153	0.961	2.97		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.879	613481	454847	0.741	3.82	
4.960	74104	57100	0.771	0.46	
5.038	507891	458844	0.903	3.16	
5.100	100349	88837	0.885	0.62	
5.164	134684	119177	0.885	0.83	
5.213	98854	90627	0.917	0.61	
5.283	12070	11231	0.930	0.07	
5.310	24719	19674	0.796	0.15	
5.363	85050	75533	0.888	0.52	
5.408	146635	119693	0.816	0.91	
5.447	90264	80310	0.890	0.56	
5.510	230506	174139	0.755	1.43	
5.605	75587	61685	0.816	0.47	
5.716	16948	14359	0.847	0.10	
5.741	23073	20242	0.877	0.14	
5.793	169665	128009	0.754	1.05	
5.887	31657	16739	0.529	0.19	
6.025	153536	114654	0.747	0.95	
6.171	21729	13262	0.610	0.13	
6.302	46462	36756	0.791	0.28	
6.534	18985	15865	0.836	0.11	
6.803	15791	11632	0.737	0.09	
7.725	15675	13882	0.886	0.09	
8.279	20164	17879	0.887	0.12	
8.380	27215	14895	0.547	0.16	
8.573	2205636	1873304	0.849	13.73	
8.944	29668	17498	0.590	0.18	
9.464	14497	11336	0.782	0.09	
9.964	31291	22255	0.711	0.19	
	16057042	13818108		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618024.D
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 06-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal2b, 185543:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:00 Cal File: 030618024.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor 1242					CAS #: 53469-21-9			
3.318	3.318	0.000	537600	0.20000	0.21	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	520151	0.20000	0.21	0.00- 20.00	96.75	BA
3.826	3.827	-0.001	1494620	0.20000	0.21	0.00- 20.00	278.02	BA
3.929	3.929	0.000	633849	0.20000	0.21	0.00- 20.00	117.90	BA
3.994	3.995	-0.001	415519	0.20000	0.20	0.00- 20.00	77.29	BA
Average of Peak Amounts =					0.20800			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

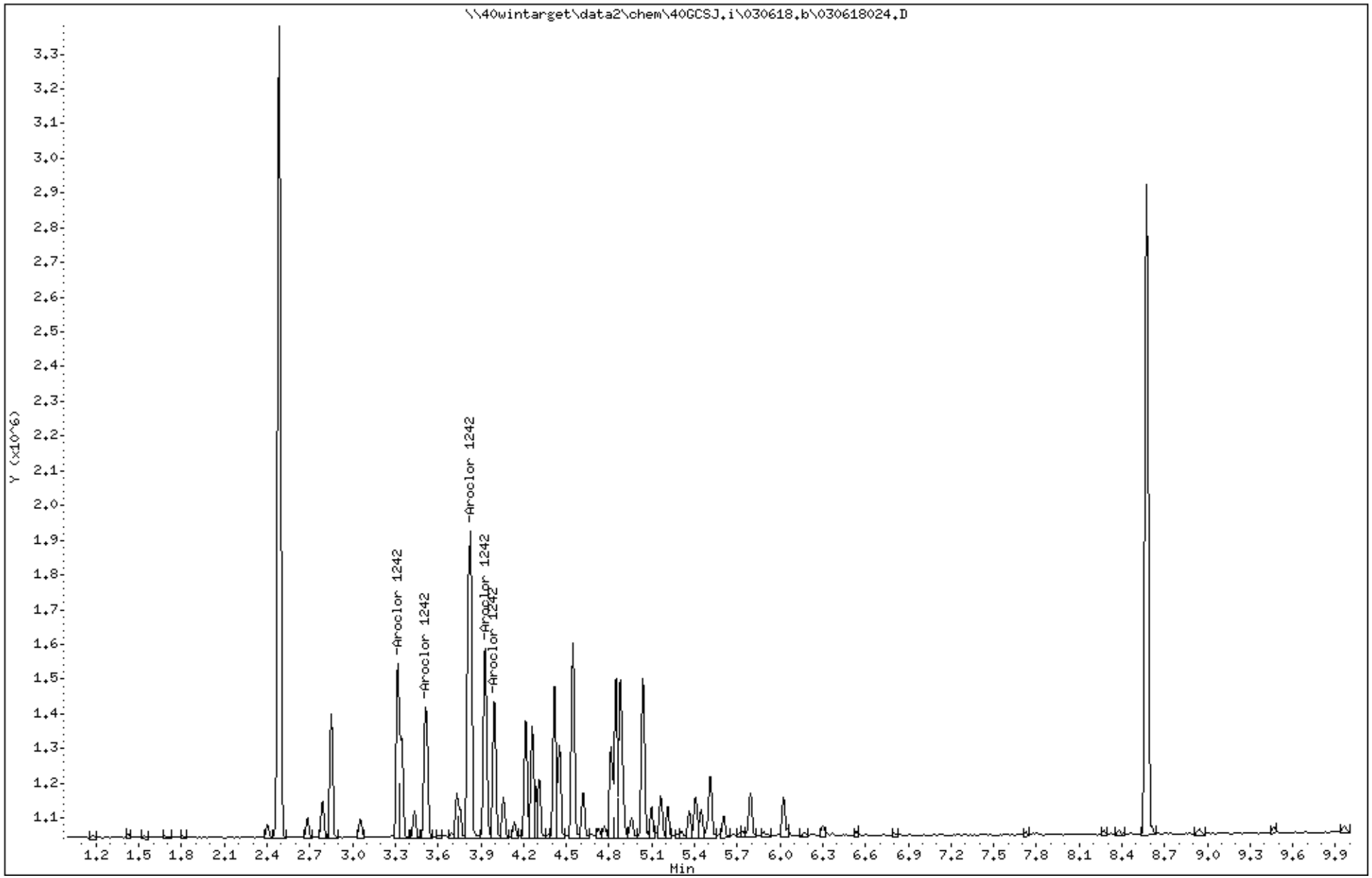
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618024.D
Date : 06-MAR-2018 14:00
Client ID: 1242-CAL2B
Sample Info: 1242-CAL2B, 185543:1

Column phase: ZB-1ms

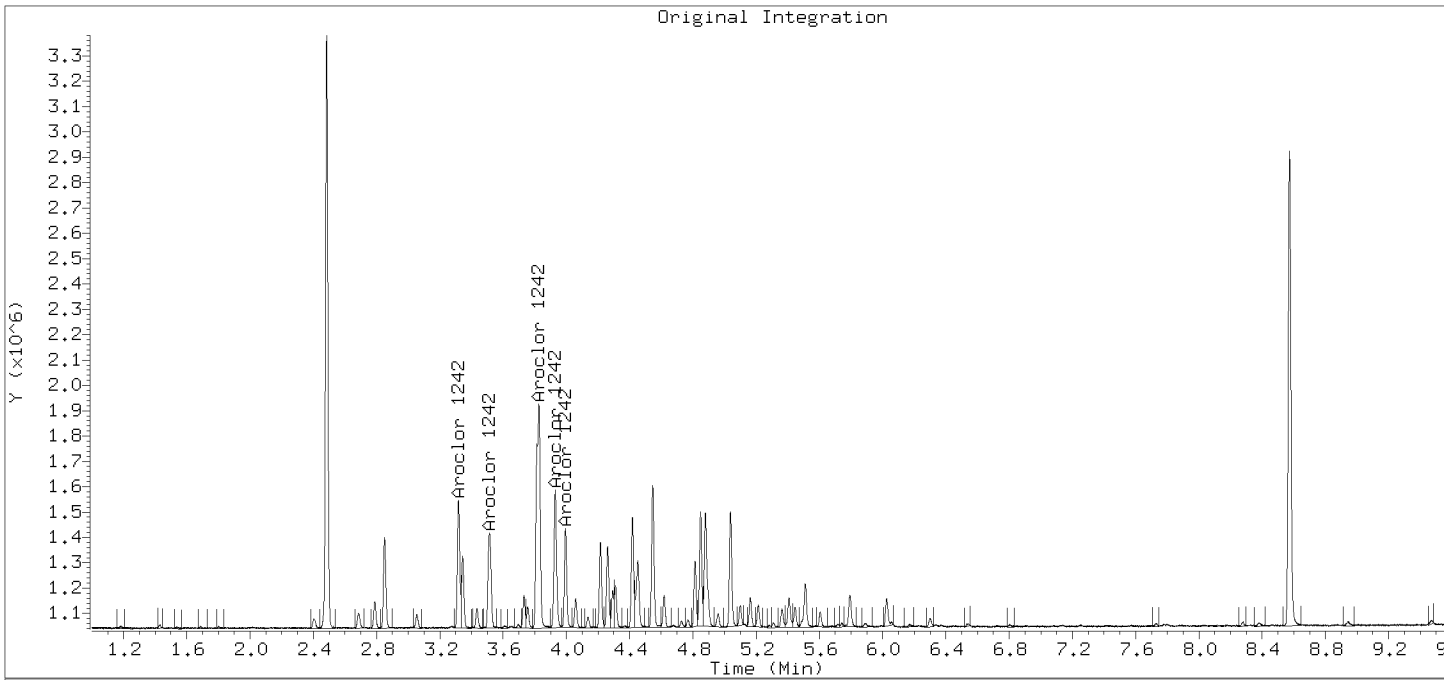
Instrument: 40GCSJ.i

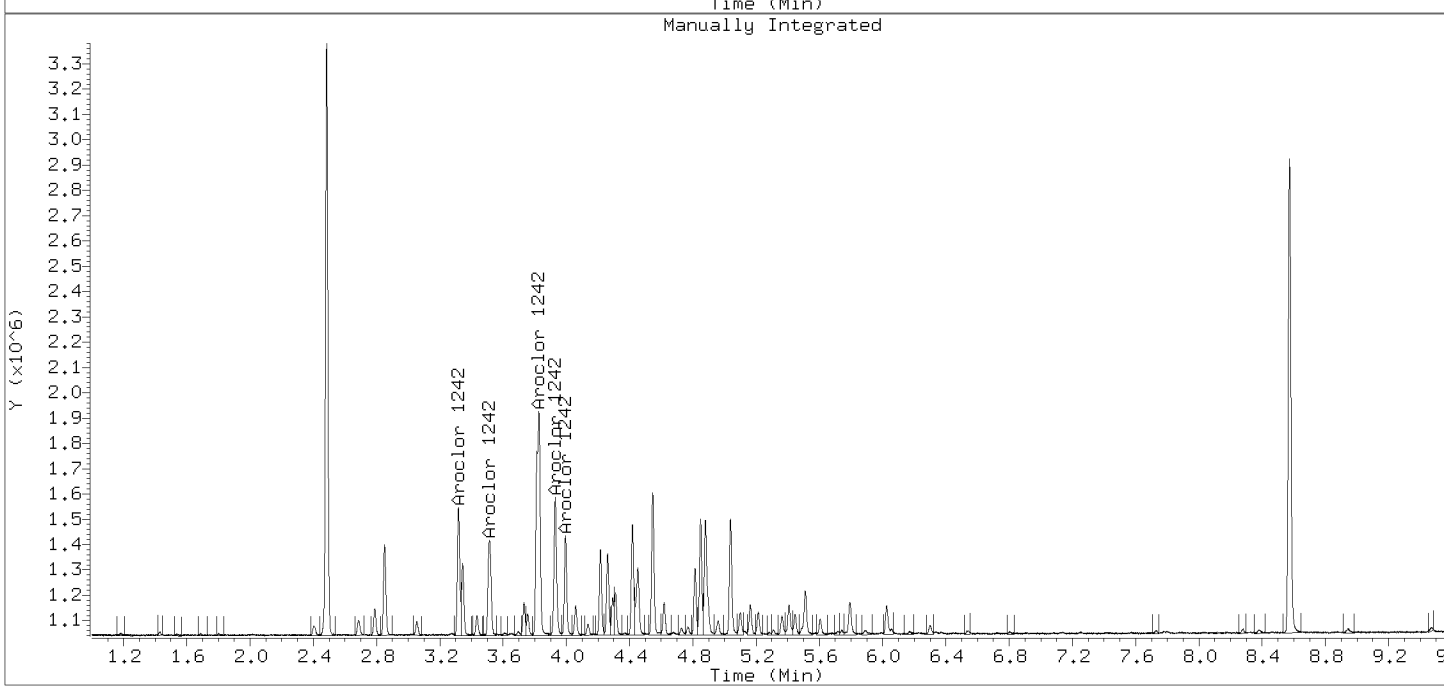
Operator: BLM

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618024.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:00 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CAL2B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	529987	537600	BA
Aroclor 1242	529987	537600	BA
Aroclor 1242	529987	537600	BA
Aroclor 1242	529987	537600	BA
Aroclor 1242	529987	537600	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618026.D
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 06-MAR-2018 14:16
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal3b, 185544:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:16 Cal File: 030618026.D
Als bottle: 14 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
1.182	62004	50847	0.820	0.16		
1.431	37460	32055	0.856	0.09		
1.541	14316	12367	0.864	0.03		
1.687	15486	12743	0.823	0.04		
1.807	18746	14208	0.758	0.04		
2.011	43433	33553	0.773	0.11		
2.406	117538	91845	0.781	0.30		
2.485	5892252	5641423	0.957	15.80		
2.688	168721	139553	0.827	0.44		
2.789	263881	249457	0.945	0.68		
2.851	912957	864348	0.947	2.38		
3.032	23465	23649	1.008	0.06		
3.054	147736	128585	0.870	0.38		
3.278	22664	16866	0.744	0.05		
3.318	1252566	1174122	0.937	3.27	3 Aroclor 1242	BA
3.344	702584	667750	0.950	1.83		
3.435	195742	182887	0.934	0.51		
3.514	1253174	902840	0.720	3.27	3 Aroclor 1242	BA
3.610	20808	19442	0.934	0.05		
3.698	36264	35190	0.970	0.09		
3.733	310548	311302	1.002	0.81		
3.756	210733	195877	0.930	0.55		
3.827	3485663	2059745	0.591	9.11	3 Aroclor 1242	BA
3.929	1508994	1248466	0.827	3.94	3 Aroclor 1242	BA
3.995	1031466	974966	0.945	2.69	3 Aroclor 1242	BA
4.059	297827	269246	0.904	0.77		
4.137	124808	105679	0.847	0.32		
4.215	835282	795778	0.953	2.18		
4.262	800812	762657	0.952	2.09		
4.294	335573	342292	1.020	0.87		
4.310	418203	390877	0.935	1.09		
4.366	27246	20902	0.767	0.07		
4.418	1095729	1053734	0.962	2.86		
4.452	872734	643030	0.737	2.28		
4.546	1429253	1334739	0.934	3.73		
4.617	329513	299311	0.908	0.86		
4.679	25919	20313	0.784	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.728	75071	61492	0.819	0.19	
4.770	78410	75801	0.967	0.20	
4.814	666858	654940	0.982	1.74	
4.848	1139990	1092076	0.958	2.97	
4.879	1497562	1126464	0.752	3.91	
4.959	169941	133168	0.784	0.44	
5.038	1220947	1147297	0.940	3.19	
5.099	262922	203724	0.775	0.68	
5.163	307382	272531	0.887	0.80	
5.212	234571	204654	0.872	0.61	
5.286	17325	18279	1.055	0.04	
5.312	55833	44258	0.793	0.14	
5.365	200636	172920	0.862	0.52	
5.408	328555	284252	0.865	0.85	
5.447	222890	182949	0.821	0.58	
5.510	538895	423244	0.785	1.40	
5.605	171765	141640	0.825	0.44	
5.717	55818	31435	0.563	0.14	
5.742	42015	41544	0.989	0.10	
5.793	399108	317536	0.796	1.04	
5.891	59724	37531	0.628	0.15	
5.988	12622	14402	1.141	0.03	
6.025	317230	272827	0.860	0.82	
6.056	62897	52017	0.827	0.16	
6.173	35886	23021	0.641	0.09	
6.228	35394	17536	0.495	0.09	
6.300	107967	90981	0.843	0.28	
6.338	25191	21116	0.838	0.06	
6.373	22038	15834	0.718	0.05	
6.444	13051	11257	0.863	0.03	
6.540	47204	32635	0.691	0.12	
6.803	23591	20139	0.854	0.06	
7.005	15270	10968	0.718	0.03	
7.133	35322	22100	0.626	0.09	
7.250	13054	10560	0.809	0.03	
7.727	20164	18616	0.923	0.05	
7.782	26691	22023	0.825	0.06	
7.800	17830	16488	0.925	0.04	
8.277	43520	38062	0.875	0.11	
8.377	40259	27272	0.677	0.10	
8.573	5121279	4417666	0.863	13.38	
8.941	41704	28161	0.675	0.10	
9.469	46040	28501	0.619	0.12	
9.966	42365	27909	0.659	0.11	
	38254887	33030470		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618026.D
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 06-MAR-2018 14:16
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal3b, 185544:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:16 Cal File: 030618026.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor 1242					CAS #: 53469-21-9			
3.317	3.318	-0.001	1252566	0.50000	0.49	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	1253174	0.50000	0.50	0.00- 20.00	100.05	BA
3.827	3.827	0.000	3485663	0.50000	0.49	0.00- 20.00	278.28	BA
3.929	3.929	0.000	1508993	0.50000	0.50	0.00- 20.00	120.47	BA
3.995	3.995	0.000	1031465	0.50000	0.50	0.00- 20.00	82.35	BA
Average of Peak Amounts =					0.49600			

QC Flag Legend

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\40GCSJ.i\030618.b\030618026.D

Date : 06-MAR-2018 14:16

Client ID: 1242-CAL3B

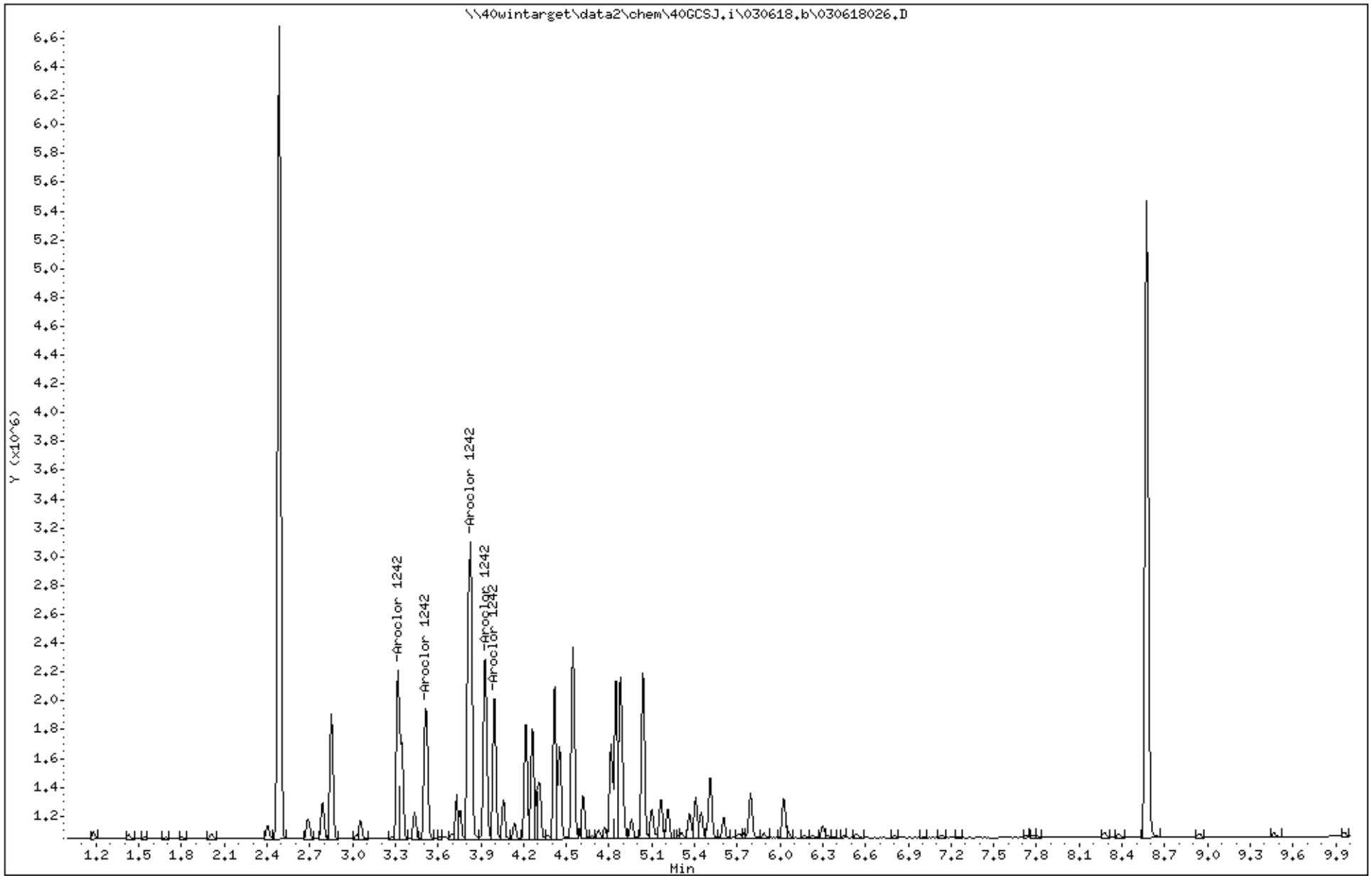
Instrument: 40GCSJ.i

Sample Info: 1242-CAL3B, 185544:1

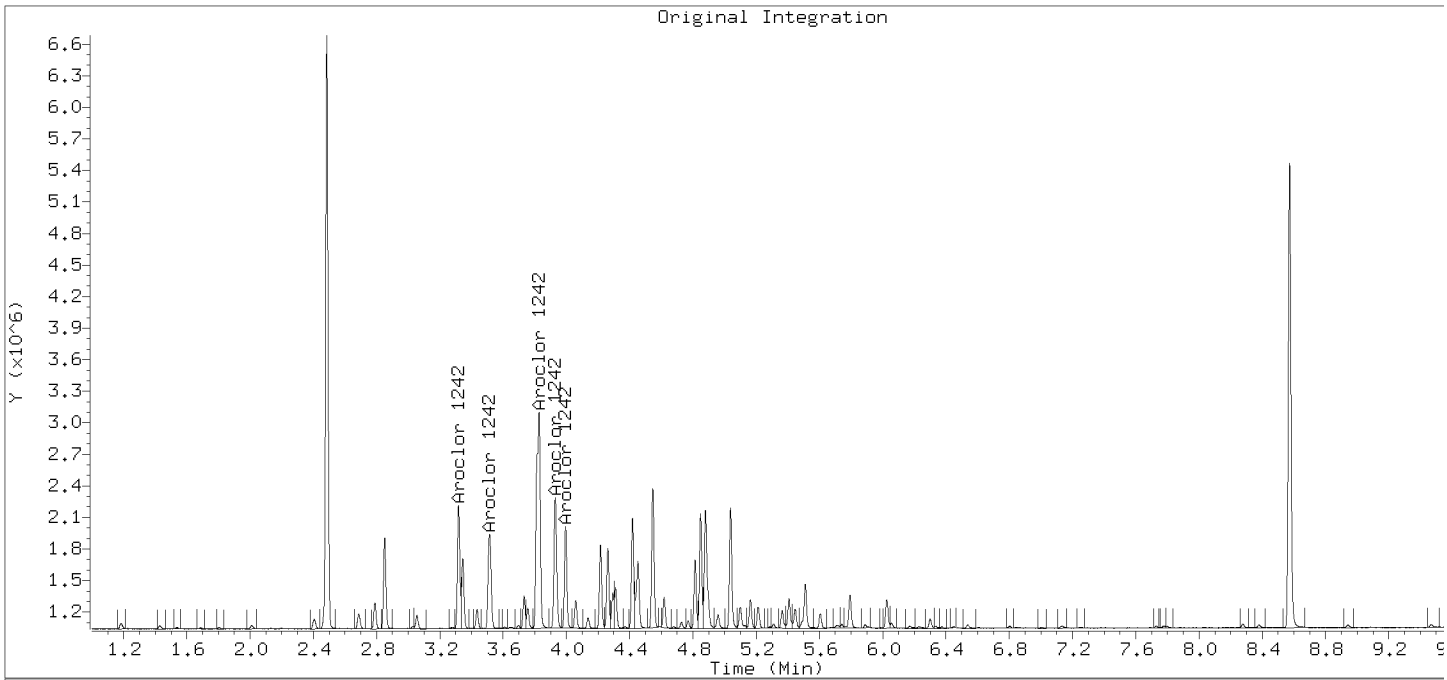
Operator: BLM

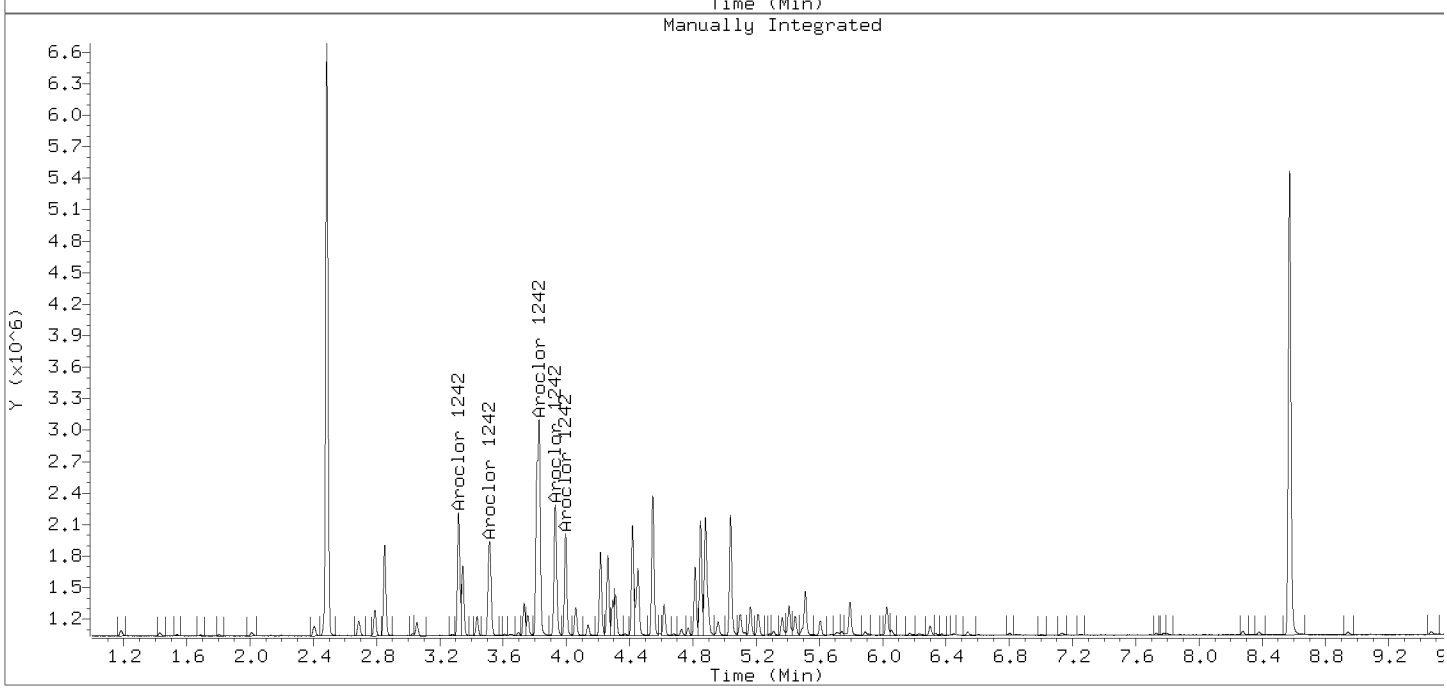
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618026.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:16 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CAL3B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1246512	1252566	BA
Aroclor 1242	1246512	1252566	BA
Aroclor 1242	1246512	1252566	BA
Aroclor 1242	1246512	1252566	BA
Aroclor 1242	1246512	1252566	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618028.D
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 06-MAR-2018 14:32
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal4b, 185545:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:32 Cal File: 030618028.D
Als bottle: 15 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
1.185	10080	10187	1.011	0.01		
1.429	71364	59862	0.839	0.11		
1.538	29625	26596	0.898	0.04		
1.688	11915	10660	0.895	0.01		
1.804	23856	18863	0.791	0.03		
2.007	10897	7828	0.718	0.01		
2.404	181872	142910	0.786	0.29		
2.485	11627123	11366999	0.978	18.98		
2.688	264051	219269	0.830	0.42		
2.789	434211	416960	0.960	0.69		
2.851	1404465	1315051	0.936	2.24		
3.055	207612	200354	0.965	0.33		
3.277	30044	24512	0.816	0.04		
3.318	1896850	1767208	0.932	3.03	3 Aroclor 1242	BA
3.345	1097148	1042916	0.951	1.75		
3.435	308786	278730	0.903	0.49		
3.514	1913733	1396800	0.730	3.05	3 Aroclor 1242	BA
3.611	36879	32861	0.891	0.05		
3.650	32275	21129	0.655	0.05		
3.698	52994	51432	0.971	0.08		
3.732	483352	488922	1.012	0.77		
3.757	311671	302713	0.971	0.49		
3.827	5388263	3191450	0.592	8.61	3 Aroclor 1242	BA
3.930	2300081	1902191	0.827	3.67	3 Aroclor 1242	BA
3.995	1542626	1468087	0.952	2.46	3 Aroclor 1242	BA
4.058	448445	418306	0.933	0.71		
4.137	178413	160377	0.899	0.28		
4.216	1273682	1194446	0.938	2.03		
4.262	1227232	1169872	0.953	1.96		
4.294	525419	547237	1.042	0.83		
4.311	636195	609901	0.959	1.01		
4.372	36108	28635	0.793	0.05		
4.417	1692750	1588767	0.939	2.70		
4.453	1331839	978159	0.734	2.12		
4.546	2184137	1978129	0.906	3.49		
4.617	508881	469073	0.922	0.81		
4.680	35054	29148	0.832	0.05		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.726	105197	91550	0.870	0.16	
4.769	122661	117412	0.957	0.19	
4.814	1044933	1018344	0.975	1.66	
4.849	1747424	1640600	0.939	2.79	
4.879	2259358	1670288	0.739	3.61	
4.958	257618	206246	0.801	0.41	
5.037	1890389	1718139	0.909	3.02	
5.100	401551	318982	0.794	0.64	
5.163	472012	441234	0.935	0.75	
5.213	355660	314958	0.886	0.56	
5.286	29890	27564	0.922	0.04	
5.311	83705	68170	0.814	0.13	
5.364	301164	261411	0.868	0.48	
5.407	509309	451496	0.886	0.81	
5.445	334594	277269	0.829	0.53	
5.509	841921	651295	0.774	1.34	
5.605	255376	218910	0.857	0.40	
5.678	22556	17148	0.760	0.03	
5.717	46249	39239	0.848	0.07	
5.741	70982	58982	0.831	0.11	
5.793	601893	487520	0.810	0.96	
5.888	90739	56064	0.618	0.14	
5.996	18848	17967	0.953	0.03	
6.025	494570	434696	0.879	0.79	
6.055	94751	75807	0.800	0.15	
6.167	43225	29320	0.678	0.06	
6.227	36179	22391	0.619	0.05	
6.298	159553	135640	0.850	0.25	
6.334	38685	28936	0.748	0.06	
6.377	33304	20685	0.621	0.05	
6.537	60223	50647	0.841	0.09	
6.804	34153	30829	0.903	0.05	
7.006	17283	12447	0.720	0.02	
7.126	26579	14899	0.561	0.04	
7.251	12264	12902	1.052	0.01	
7.726	42507	35890	0.844	0.06	
7.802	24391	23419	0.960	0.03	
8.277	86483	69397	0.802	0.13	
8.377	21031	14261	0.678	0.03	
8.573	9665476	8353148	0.864	15.44	
8.947	18281	11560	0.632	0.02	
9.088	11569	10817	0.935	0.01	
9.469	15262	13186	0.864	0.02	
9.963	30595	19946	0.652	0.04	
	62580323	54528151		100.000	

Total unknown % area = 79

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618028.D
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 06-MAR-2018 14:32
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal4b, 185545:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:32 Cal File: 030618028.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor 1242					CAS #: 53469-21-9			
3.318	3.318	0.000	1896850	0.80000	0.75	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	1913733	0.80000	0.76	0.00- 20.00	100.89	BA
3.827	3.827	0.000	5388263	0.80000	0.76	0.00- 20.00	284.06	BA
3.930	3.929	0.001	2300081	0.80000	0.76	0.00- 20.00	121.26	BA
3.995	3.995	0.000	1542626	0.80000	0.75	0.00- 20.00	81.33	BA
Average of Peak Amounts =					0.75600			

QC Flag Legend

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\40GCSJ.i\030618.b\030618028.D

Date : 06-MAR-2018 14:32

Client ID: 1242-CAL4B

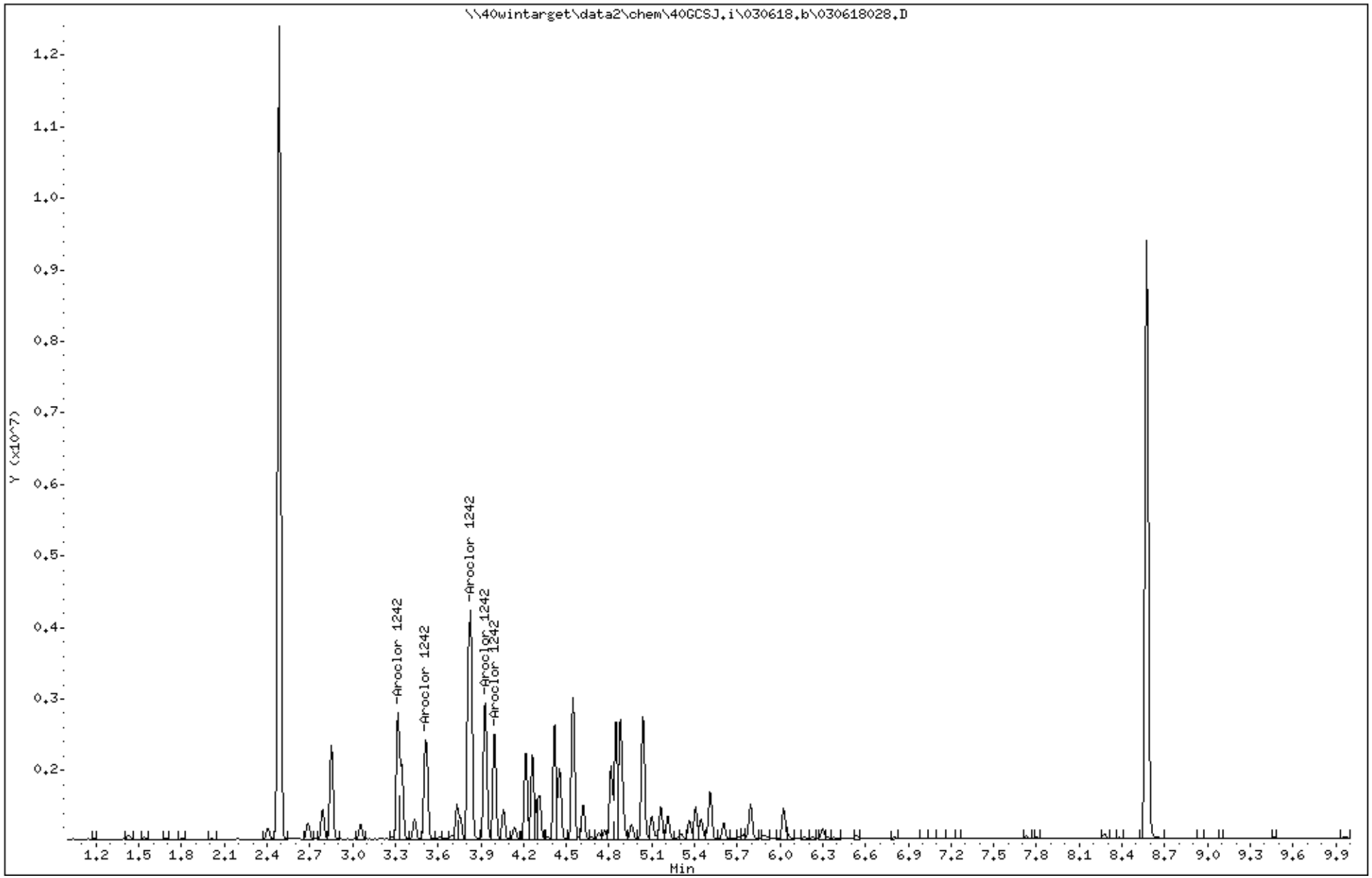
Instrument: 40GCSJ.i

Sample Info: 1242-CAL4B, 185545:1

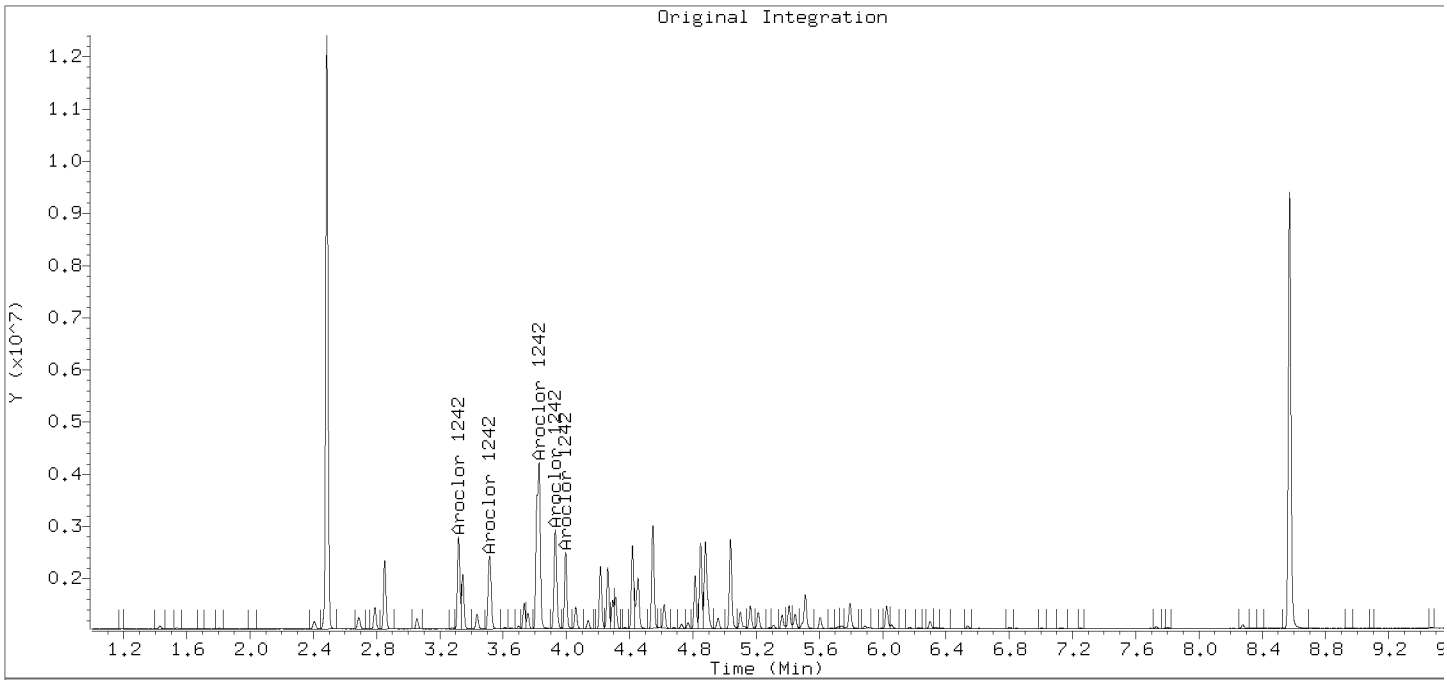
Operator: BLM

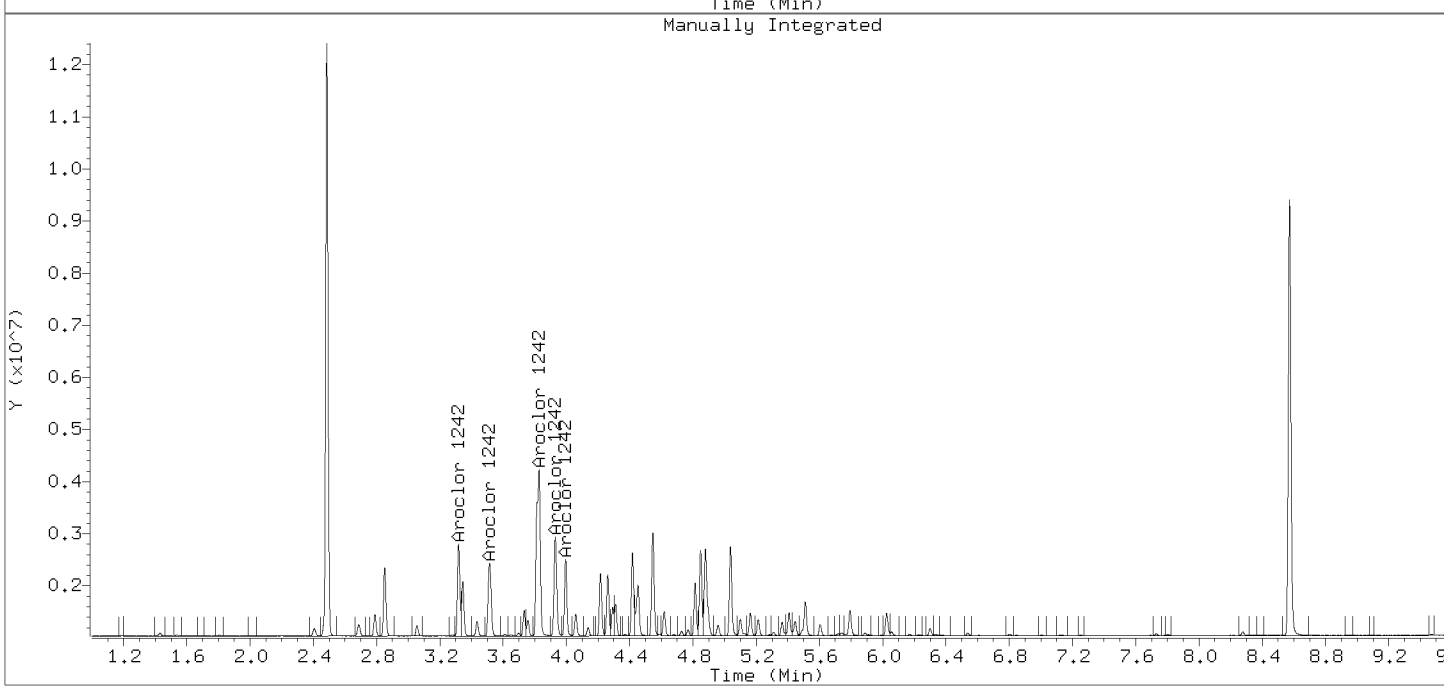
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618028.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:32 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CAL4B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1890576	1896850	BA
Aroclor 1242	1890576	1896850	BA
Aroclor 1242	1890576	1896850	BA
Aroclor 1242	1890576	1896850	BA
Aroclor 1242	1890576	1896850	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618030.D
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 06-MAR-2018 14:48
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal5b, 185546:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:48 Cal File: 030618030.D
Als bottle: 16 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
1.182	13142	9158	0.697	0.01		
1.429	100388	88167	0.878	0.12		
1.538	43436	37040	0.853	0.05		
1.802	27170	23817	0.877	0.03		
2.200	13193	7765	0.589	0.01		
2.404	223179	177740	0.796	0.26		
2.485	17637176	17309158	0.981	21.53		
2.687	332628	271512	0.816	0.39		
2.788	576258	556266	0.965	0.69		
2.850	1731132	1639872	0.947	2.07		
3.055	271375	257132	0.948	0.32		
3.199	9596	8183	0.853	0.01		
3.278	40145	29795	0.742	0.04		
3.318	2329240	2178022	0.935	2.79	3 Aroclor 1242	BA
3.344	1365925	1274431	0.933	1.63		
3.434	376796	349333	0.927	0.45		
3.514	2361399	1699901	0.720	2.82	3 Aroclor 1242	BA
3.611	53162	49737	0.936	0.06		
3.648	38548	26960	0.699	0.04		
3.697	65654	64327	0.980	0.07		
3.732	603958	618832	1.025	0.72		
3.756	391796	382124	0.975	0.46		
3.828	6706645	3996192	0.596	8.03	3 Aroclor 1242	BA
3.929	2857802	2355014	0.824	3.42	3 Aroclor 1242	BA
3.994	1922508	1833827	0.954	2.30	3 Aroclor 1242	BA
4.059	555199	530529	0.956	0.66		
4.136	222505	199818	0.898	0.26		
4.215	1575639	1501683	0.953	1.88		
4.261	1524934	1467406	0.962	1.82		
4.293	649073	667869	1.029	0.77		
4.311	810435	768258	0.948	0.97		
4.371	43433	37094	0.854	0.05		
4.417	2107983	1937856	0.919	2.52		
4.452	1647097	1208682	0.734	1.97		
4.546	2757523	2530813	0.918	3.30		
4.617	639793	601712	0.940	0.76		
4.681	44151	33585	0.761	0.05		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.728	132122	115497	0.874	0.15	
4.768	152881	144940	0.948	0.18	
4.814	1304656	1285158	0.985	1.56	
4.848	2176719	2065105	0.949	2.60	
4.878	2810648	2043331	0.727	3.36	
4.958	313624	254506	0.811	0.37	
5.038	2364110	2159153	0.913	2.83	
5.099	500540	389011	0.777	0.59	
5.163	588453	534323	0.908	0.70	
5.213	446583	410279	0.919	0.53	
5.283	33027	31901	0.966	0.03	
5.308	101588	84023	0.827	0.12	
5.363	379663	323299	0.852	0.45	
5.407	645531	557984	0.864	0.77	
5.447	411135	369925	0.900	0.49	
5.510	1059127	856260	0.808	1.26	
5.604	309697	267220	0.863	0.37	
5.676	26819	20072	0.748	0.03	
5.717	59263	49321	0.832	0.07	
5.742	85889	77700	0.905	0.10	
5.763	25900	36740	1.419	0.03	
5.792	730478	608087	0.832	0.87	
5.888	108449	69349	0.639	0.12	
5.993	23548	21446	0.911	0.02	
6.024	621770	555127	0.893	0.74	
6.056	116744	93958	0.805	0.13	
6.169	44881	36731	0.818	0.05	
6.227	46866	28002	0.597	0.05	
6.299	198407	171669	0.865	0.23	
6.334	48913	37408	0.765	0.05	
6.372	34798	26791	0.770	0.04	
6.535	86352	62639	0.725	0.10	
6.608	17596	12479	0.709	0.02	
6.719	9324	8755	0.939	0.01	
6.803	41284	37893	0.918	0.04	
7.004	14125	13843	0.980	0.01	
7.122	30632	19166	0.626	0.03	
7.251	21667	14526	0.670	0.02	
7.694	10065	10273	1.021	0.01	
7.729	57227	51664	0.903	0.06	
7.800	40976	33029	0.806	0.04	
8.276	125210	109793	0.877	0.14	
8.377	17875	15033	0.841	0.02	
8.572	14386052	12725920	0.885	17.23	
9.089	27631	16553	0.599	0.03	
9.466	10052	7309	0.727	0.01	
9.961	14595	11352	0.778	0.01	
	83483509	73604153		100.000	

Total unknown % area = 81

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618030.D
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 06-MAR-2018 14:48
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-cal5b, 185546:1
Misc Info : 17498,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:48 Cal File: 030618030.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor 1242					CAS #: 53469-21-9			
3.318	3.318	0.000	2329239	1.00000	0.92	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	2361398	1.00000	0.94	0.00- 20.00	101.38	BA
3.827	3.827	0.000	6706645	1.00000	0.94	0.00- 20.00	287.93	BA
3.929	3.929	0.000	2857801	1.00000	0.94	0.00- 20.00	122.69	BA
3.994	3.995	-0.001	1922507	1.00000	0.94	0.00- 20.00	82.54	BA
Average of Peak Amounts =					0.93600			

QC Flag Legend

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\40GCSJ.i\030618.b\030618030.D

Date : 06-MAR-2018 14:48

Client ID: 1242-CAL5B

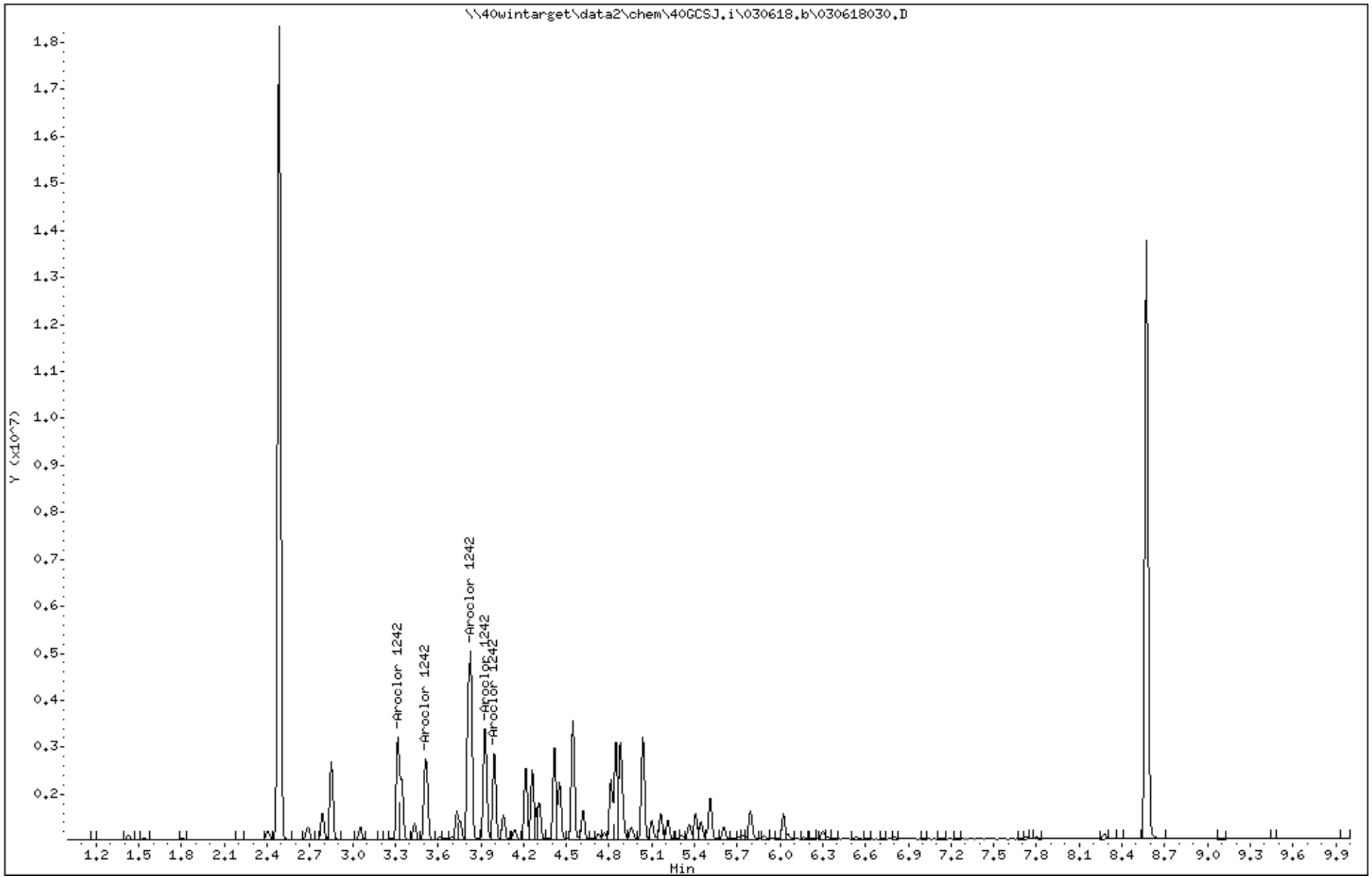
Instrument: 40GCSJ.i

Sample Info: 1242-CAL5B, 185546:1

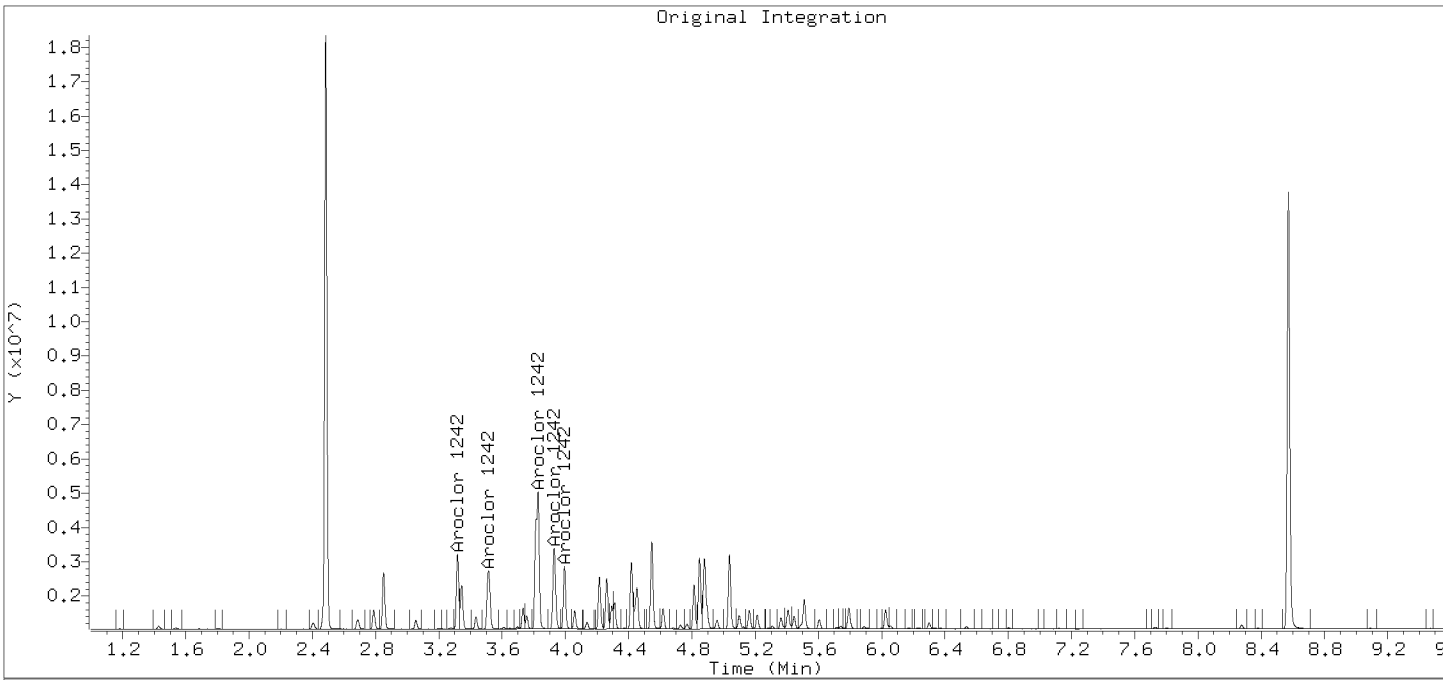
Operator: BLM

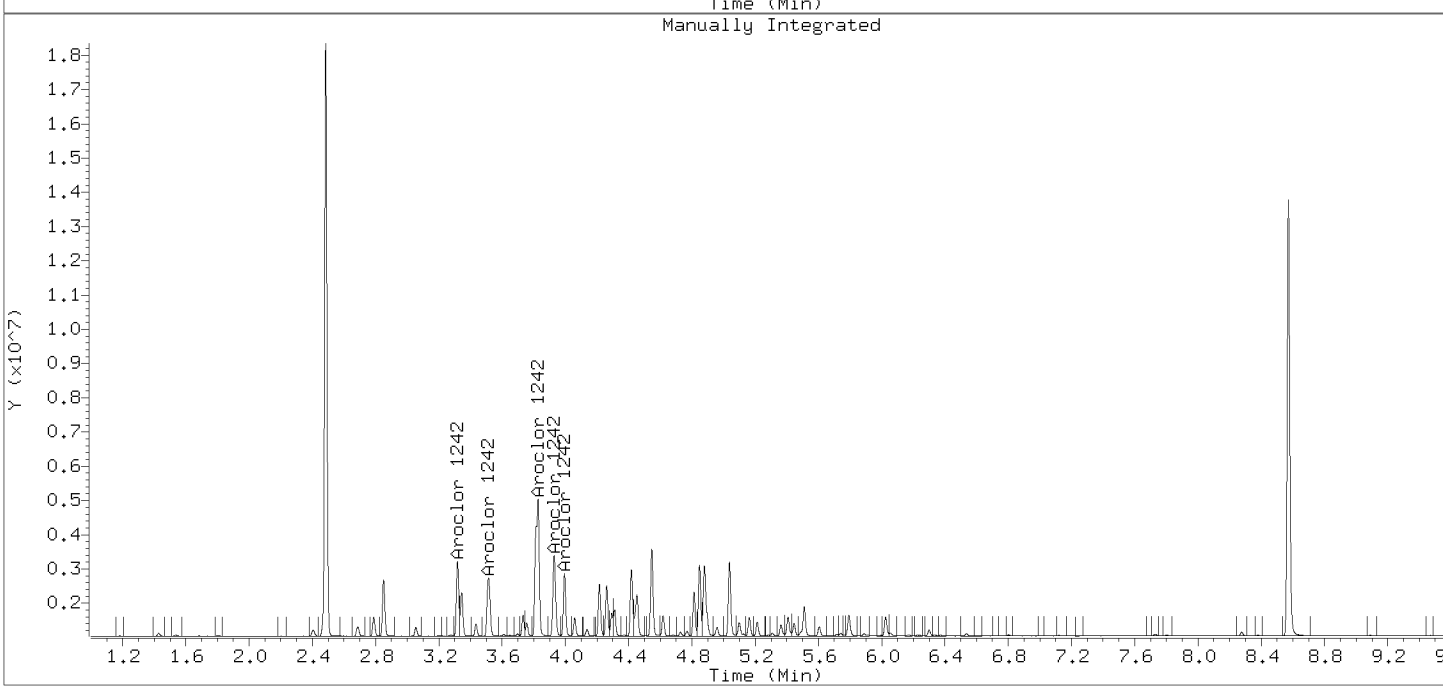
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618030.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:48 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CAL5B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	2319478	2329239	BA
Aroclor 1242	2319478	2329239	BA
Aroclor 1242	2319478	2329239	BA
Aroclor 1242	2319478	2329239	BA
Aroclor 1242	2319478	2329239	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618034.D
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 06-MAR-2018 15:21
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal1d, 188134:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:21 Cal File: 030618034.D
Als bottle: 18 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
1.181	14305	12931	0.904	0.15		
2.484	1247615	1209145	0.969	13.39		
2.788	24449	24176	0.989	0.25		
2.851	42332	37681	0.890	0.44		
3.054	17847	15627	0.876	0.18		
3.319	154829	149314	0.964	1.63		
3.345	69818	62303	0.892	0.73		
3.434	21759	16384	0.753	0.22		
3.514	129337	91632	0.708	1.36		
3.732	41192	29456	0.715	0.43		
3.815	249582	260696	1.045	2.62		
3.827	243092	265599	1.093	2.56		
3.930	196862	149009	0.757	2.07		
3.994	130100	120464	0.926	1.37		
4.060	81123	71377	0.880	0.85		
4.135	37994	31819	0.837	0.40		
4.215	323817	309946	0.957	3.41		
4.261	252265	240506	0.953	2.65	6 Aroclor 1248	BA
4.293	108819	107853	0.991	1.14		
4.310	114993	111028	0.966	1.21		
4.418	386700	369661	0.956	4.07		
4.452	202370	173038	0.855	2.13		
4.546	444141	405258	0.912	4.67	6 Aroclor 1248	BA
4.618	103930	97669	0.940	1.09		
4.723	15775	14602	0.926	0.16		
4.768	26846	24690	0.920	0.28		
4.814	217596	209298	0.962	2.29	6 Aroclor 1248	BA
4.848	417341	413186	0.990	4.39		
4.879	538491	358710	0.666	5.67	6 Aroclor 1248	BA
4.956	69249	57131	0.825	0.72		
5.038	375736	339065	0.902	3.95	6 Aroclor 1248	BA
5.100	148135	110594	0.747	1.56		
5.163	166243	148041	0.891	1.75		
5.212	121348	109604	0.903	1.27		
5.313	32609	23414	0.718	0.34		
5.363	107678	94673	0.879	1.13		
5.408	174507	147282	0.844	1.83		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.447	107960	95389	0.884	1.13	
5.510	292671	230307	0.787	3.08	
5.606	86504	77757	0.899	0.91	
5.677	14791	13016	0.880	0.15	
5.715	25257	18019	0.713	0.26	
5.741	25694	22207	0.864	0.27	
5.793	207991	150871	0.725	2.19	
5.891	26284	18285	0.696	0.27	
6.024	187756	132978	0.708	1.97	
6.173	26666	15778	0.592	0.28	
6.301	55473	43247	0.780	0.58	
6.372	11356	9835	0.866	0.11	
6.509	11520	12779	1.109	0.12	
6.535	21081	15879	0.753	0.22	
6.720	14478	10691	0.738	0.15	
6.801	13412	10673	0.796	0.14	
7.001	12573	13352	1.062	0.13	
7.250	10465	7692	0.735	0.11	
7.384	10819	8597	0.795	0.11	
7.445	14986	9827	0.656	0.15	
8.276	19065	13591	0.713	0.20	
8.376	10132	9028	0.891	0.10	
8.572	1203814	1072809	0.891	12.67	
8.944	15824	11638	0.735	0.16	
9.963	17710	12713	0.718	0.18	
	9495108	8449820		100.000	

Total unknown % area = 81

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618034.D
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 06-MAR-2018 15:21
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal1d, 188134:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:21 Cal File: 030618034.D
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	252264	0.10000	0.11	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	444140	0.10000	0.11	0.00- 20.00	176.06	BA
4.814	4.812	0.002	217595	0.10000	0.11	0.00- 20.00	86.26	BA
4.879	4.879	0.000	538491	0.10000	0.11	0.00- 20.00	213.46	BA
5.037	5.038	-0.001	375736	0.10000	0.10	0.00- 20.00	148.95	BA
Average of Peak Amounts =					0.10800			

QC Flag Legend

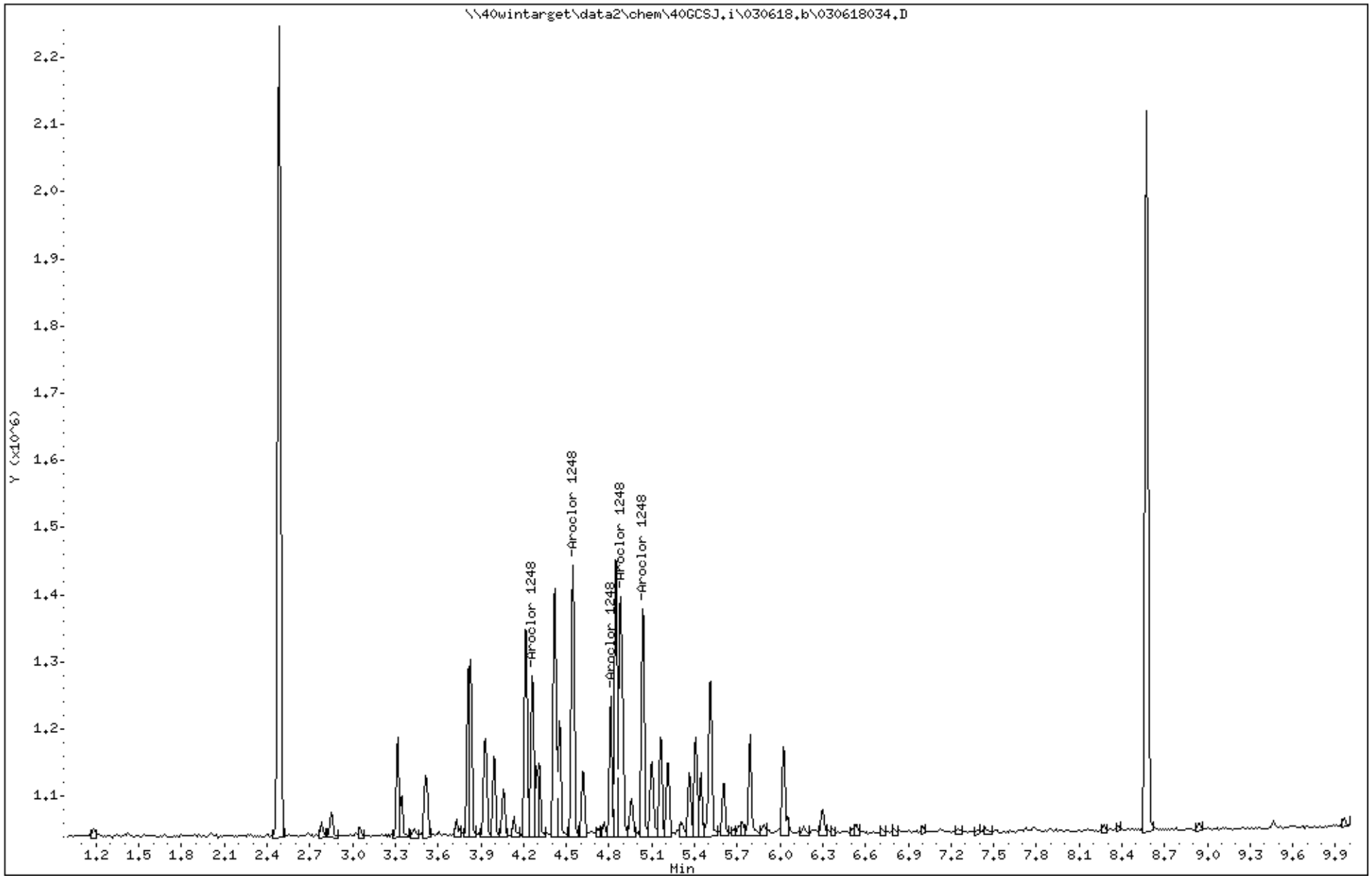
M - Compound response manually integrated.

Review Codes Legend

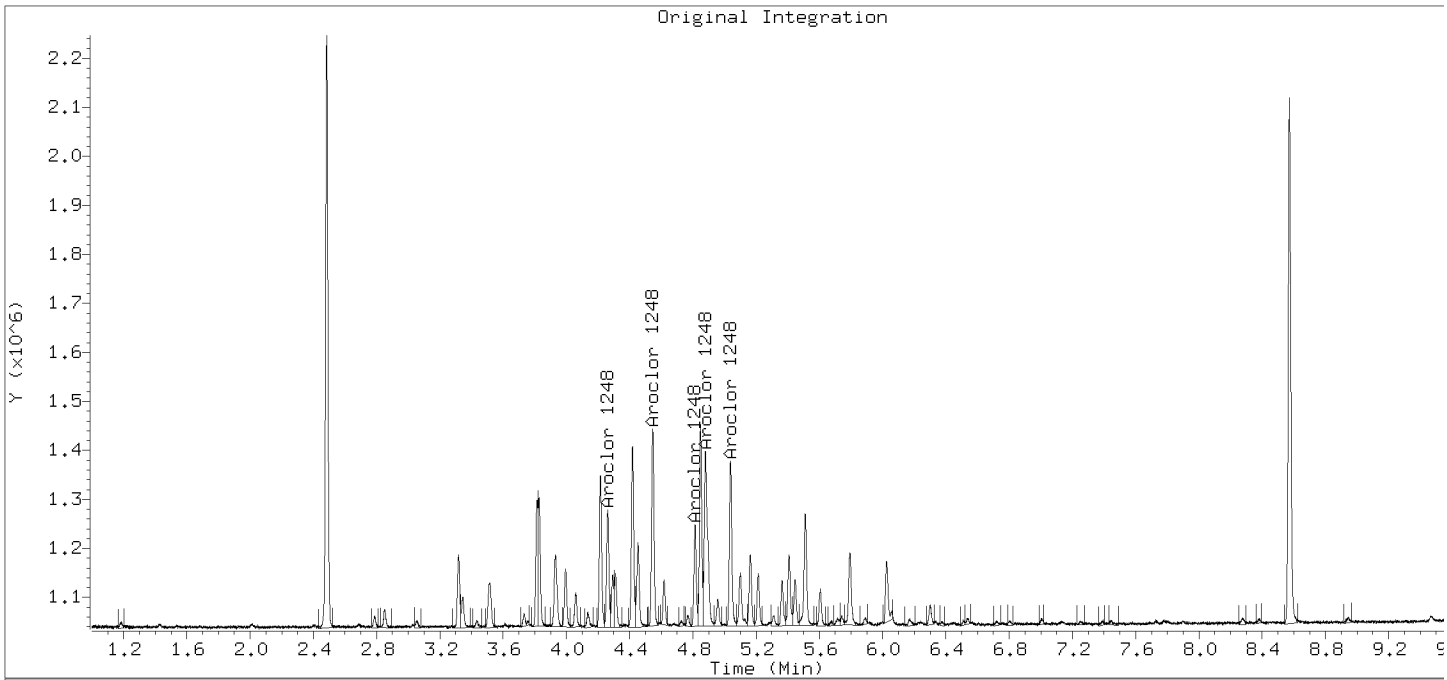
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

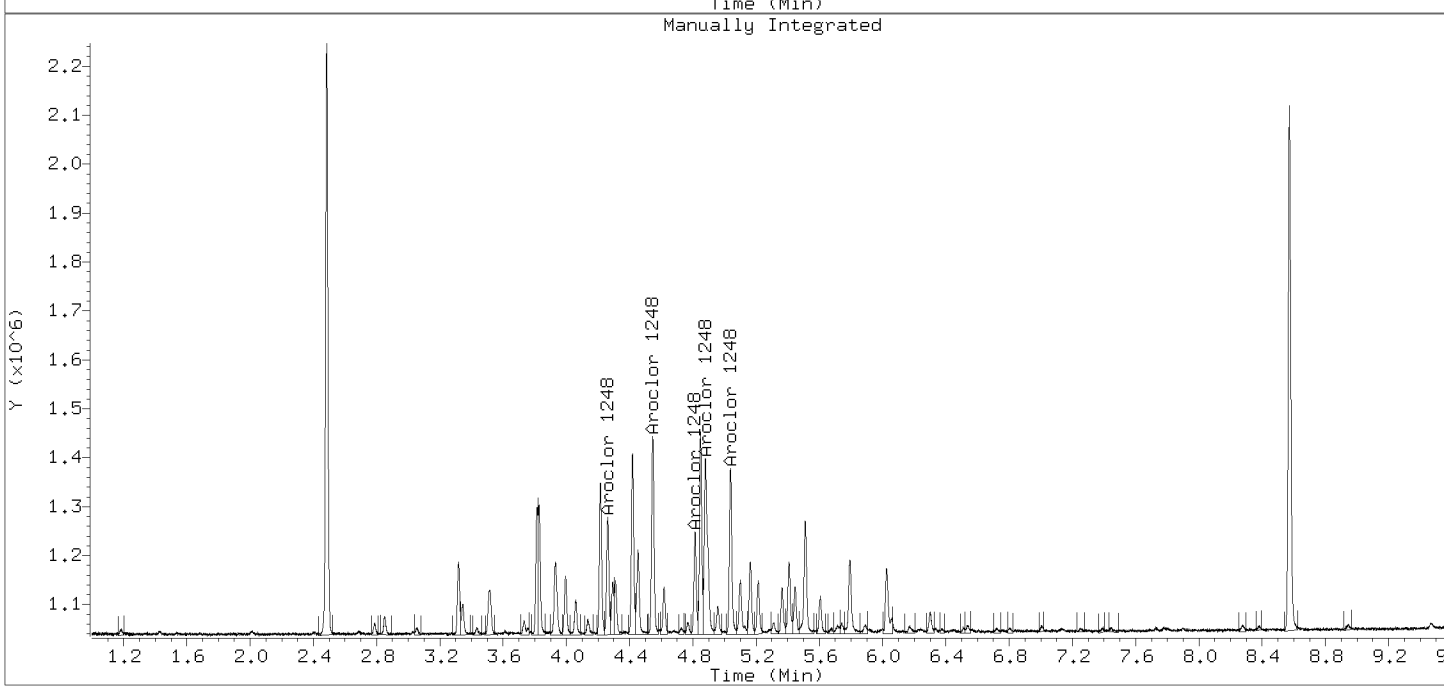
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618034.D
Date : 06-MAR-2018 15:21
Client ID: 1248-CAL1D
Sample Info: 1248-CAL1D, 188134:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618034.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:21 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CAL1D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	249611	252264	BA
Aroclor 1248	249611	252264	BA
Aroclor 1248	249611	252264	BA
Aroclor 1248	249611	252264	BA
Aroclor 1248	249611	252264	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618036.D
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 06-MAR-2018 15:37
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal2d, 185548:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:37 Cal File: 030618036.D
Als bottle: 19 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
1.183	14828	12598	0.850	0.08		
1.430	17405	15532	0.892	0.09		
1.539	10978	9178	0.836	0.05		
2.484	2410492	2310272	0.958	13.49		
2.687	17007	12868	0.757	0.09		
2.788	48103	47022	0.978	0.26		
2.850	76500	74948	0.980	0.41		
3.054	25960	22998	0.886	0.14		
3.317	298832	283610	0.949	1.62		
3.344	124976	117615	0.941	0.68		
3.435	29128	26666	0.915	0.15		
3.515	253342	181031	0.715	1.37		
3.731	81061	56758	0.700	0.44		
3.815	462892	504630	1.090	2.51		
3.826	513591	533097	1.038	2.79		
3.930	374207	289234	0.773	2.03		
3.994	244564	239466	0.979	1.33		
4.058	144578	133216	0.921	0.78		
4.138	61375	54340	0.885	0.33		
4.215	629384	607757	0.966	3.42		
4.262	495628	473751	0.956	2.69	6 Aroclor 1248	BA
4.292	207266	214773	1.036	1.12		
4.310	218472	204865	0.938	1.18		
4.418	768532	734950	0.956	4.18		
4.453	378840	319389	0.843	2.06		
4.546	893337	815571	0.913	4.86	6 Aroclor 1248	BA
4.619	201356	185248	0.920	1.09		
4.680	15861	10971	0.692	0.08		
4.727	29910	23588	0.789	0.16		
4.768	49430	45109	0.913	0.26		
4.813	420194	408578	0.972	2.28	6 Aroclor 1248	BA
4.849	831772	785146	0.944	4.52		
4.879	1060573	728567	0.687	5.77	6 Aroclor 1248	BA
4.957	136900	106494	0.778	0.74		
5.037	754040	696546	0.924	4.10	6 Aroclor 1248	BA
5.100	272713	215866	0.792	1.48		
5.163	325949	288755	0.886	1.77		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.213	228553	210074	0.919	1.24	
5.284	17412	16457	0.945	0.09	
5.311	55636	44138	0.793	0.30	
5.365	206530	172716	0.836	1.12	
5.407	337971	295228	0.874	1.83	
5.446	206711	185231	0.896	1.12	
5.511	560479	467877	0.835	3.05	
5.606	165540	145657	0.880	0.90	
5.677	22681	19784	0.872	0.12	
5.717	37903	28891	0.762	0.20	
5.740	60086	37215	0.619	0.32	
5.793	371069	303747	0.819	2.02	
5.889	58211	32981	0.567	0.31	
5.992	13175	13785	1.046	0.07	
6.025	314967	267323	0.849	1.71	
6.057	68435	55542	0.812	0.37	
6.170	38384	24308	0.633	0.20	
6.299	99670	82914	0.832	0.54	
6.332	23115	17884	0.774	0.12	
6.374	20547	14764	0.719	0.11	
6.512	20781	18606	0.895	0.11	
6.536	45734	28211	0.617	0.24	
6.605	13055	7483	0.573	0.07	
6.719	20846	19042	0.913	0.11	
6.807	17328	17245	0.995	0.09	
7.005	39579	28763	0.727	0.21	
7.128	13661	9160	0.671	0.07	
7.254	16230	12319	0.759	0.08	
7.391	15959	13660	0.856	0.08	
7.448	19126	12843	0.671	0.10	
7.727	14015	12218	0.872	0.07	
7.904	9772	9677	0.990	0.05	
8.273	24829	20353	0.820	0.13	
8.382	9612	9180	0.955	0.05	
8.572	2222844	1814975	0.817	12.10	
8.942	19336	12310	0.637	0.10	
9.470	19278	15347	0.796	0.10	
9.966	19855	14911	0.751	0.10	
	18368893	16303822		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618036.D
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 06-MAR-2018 15:37
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal2d, 185548:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:37 Cal File: 030618036.D
Als bottle: 19 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	495628	0.20000	0.21	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	893336	0.20000	0.22	0.00- 20.00	180.24	BA
4.813	4.812	0.001	420194	0.20000	0.21	0.00- 20.00	84.78	BA
4.878	4.879	-0.001	1060573	0.20000	0.21	0.00- 20.00	213.99	BA
5.036	5.038	-0.002	754040	0.20000	0.21	0.00- 20.00	152.14	BA
Average of Peak Amounts =					0.21200			

QC Flag Legend

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\40GCSJ.i\030618.b\030618036.D

Date : 06-MAR-2018 15:37

Client ID: 1248-CAL2D

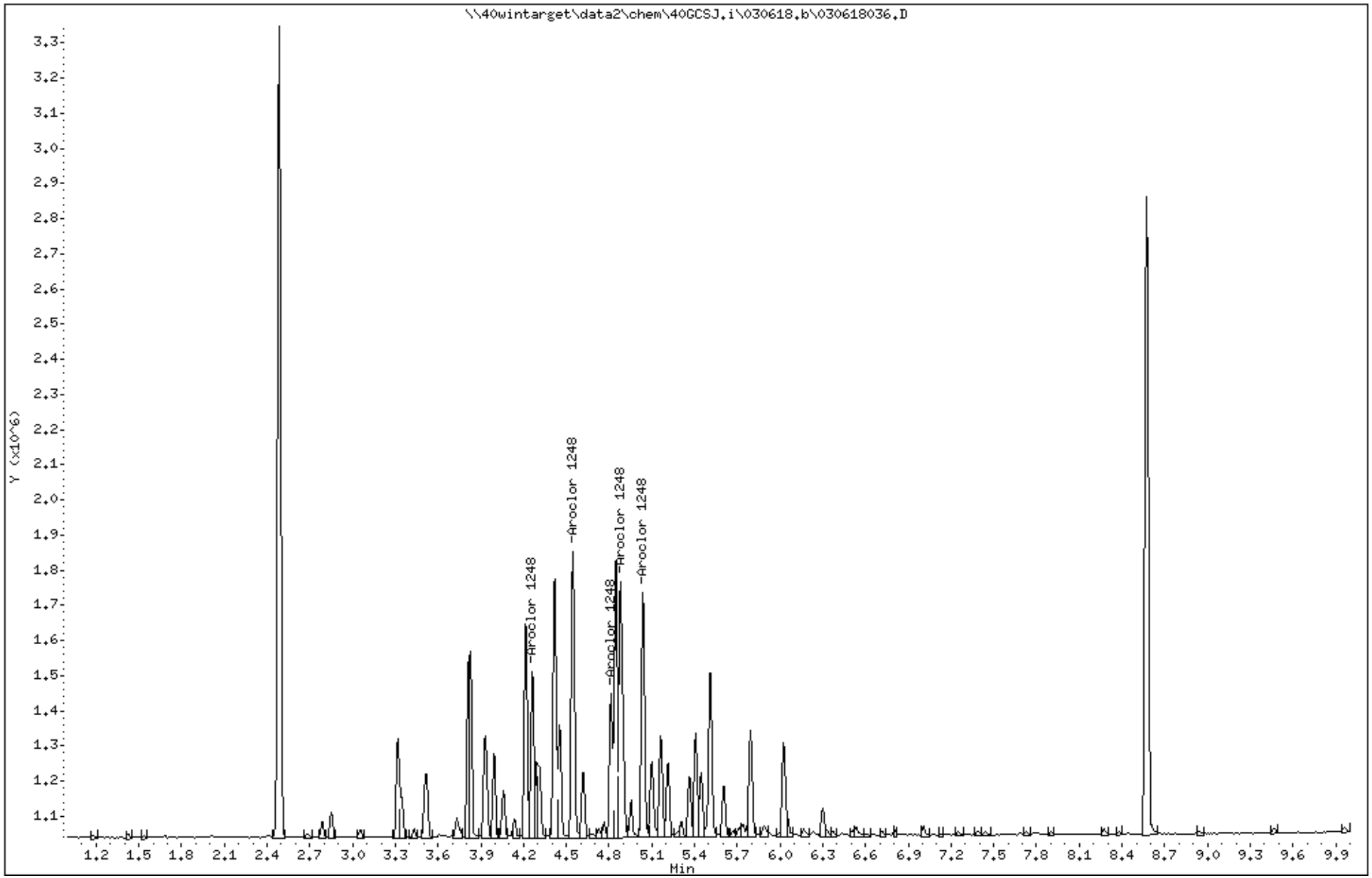
Instrument: 40GCSJ.i

Sample Info: 1248-CAL2D, 185548:1

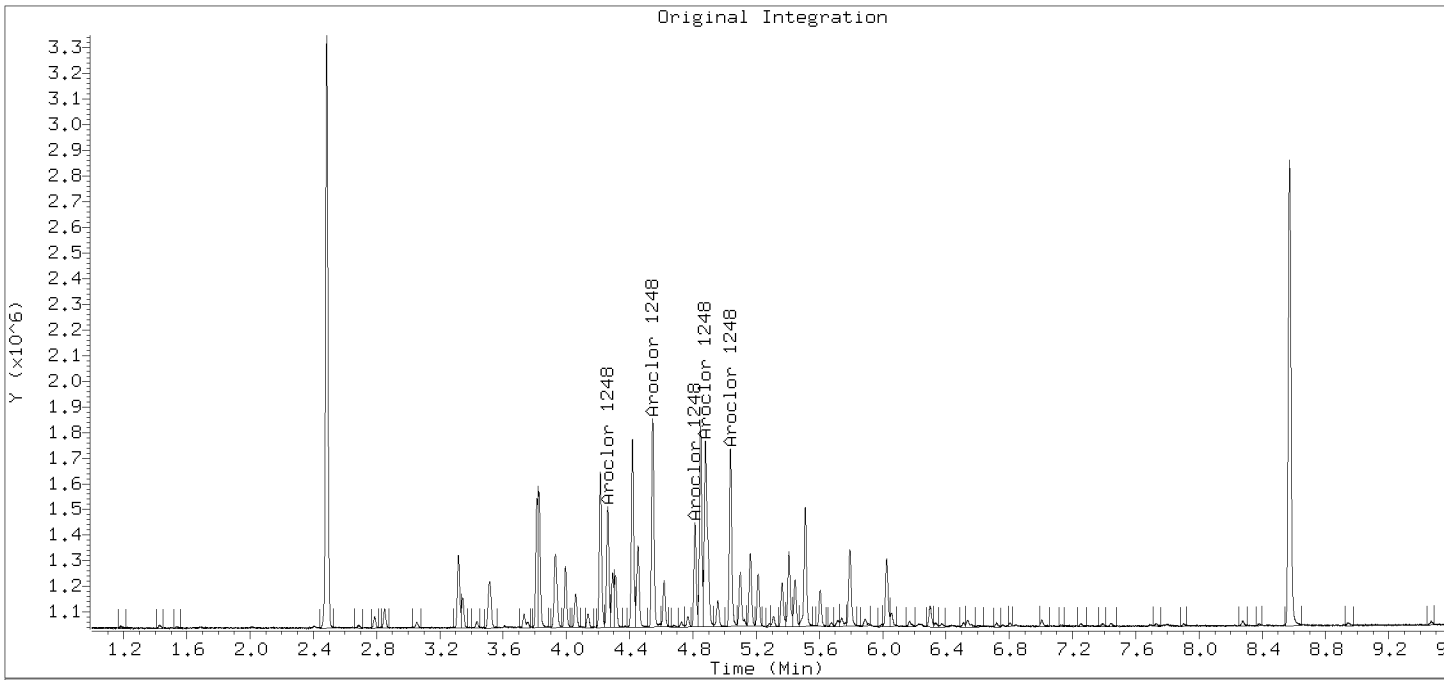
Operator: BLM

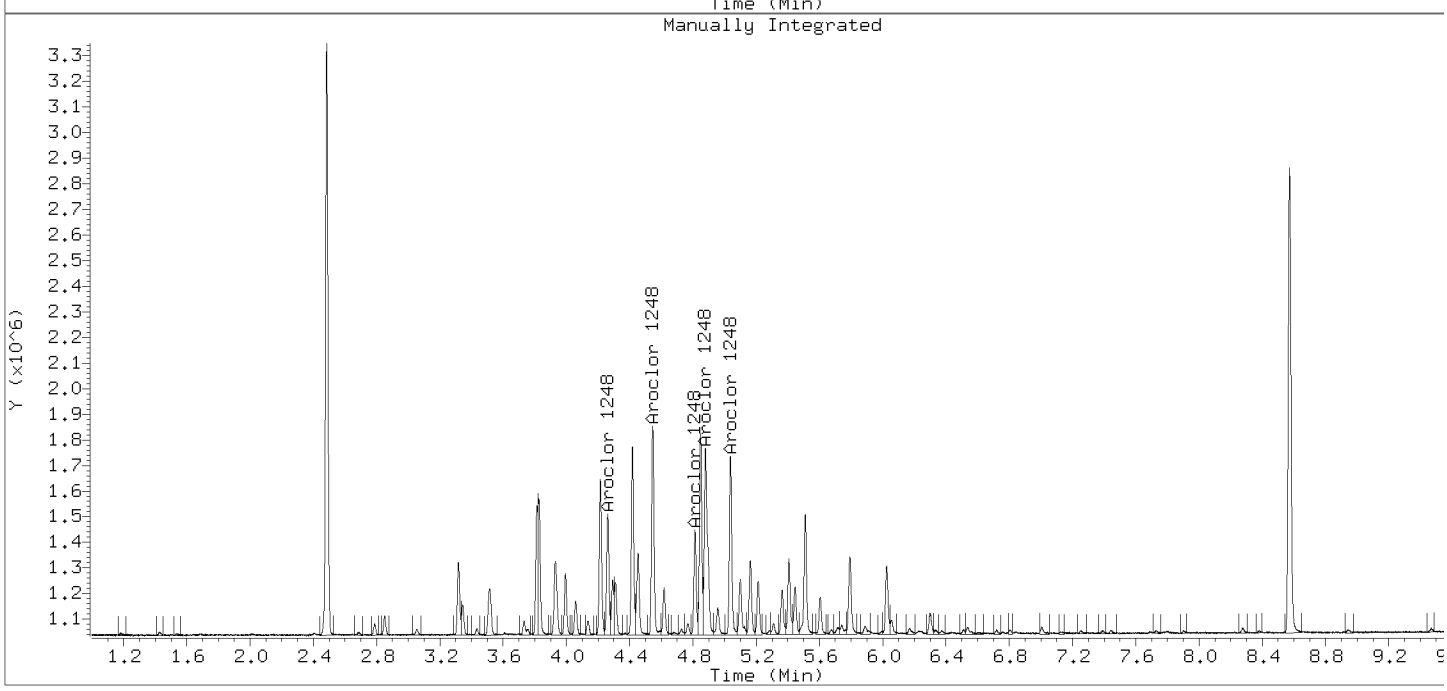
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618036.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:37 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CAL2D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	491137	495628	BA
Aroclor 1248	491137	495628	BA
Aroclor 1248	491137	495628	BA
Aroclor 1248	491137	495628	BA
Aroclor 1248	491137	495628	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618038.D
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 06-MAR-2018 15:53
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal3d, 185549:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:53 Cal File: 030618038.D
Als bottle: 20 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
1.183	52291	42958	0.822	0.11		
1.429	43894	31713	0.722	0.09		
1.534	22011	15352	0.697	0.05		
1.684	14849	11921	0.803	0.03		
2.012	36627	27328	0.746	0.08		
2.407	26546	19456	0.733	0.06		
2.484	6017126	5772700	0.959	14.16		
2.690	32471	25048	0.771	0.07		
2.787	113251	108295	0.956	0.25		
2.852	188762	171319	0.908	0.42		
3.029	16871	18416	1.092	0.03		
3.055	67710	56713	0.838	0.15		
3.317	703226	686995	0.977	1.60		
3.344	286830	276759	0.965	0.65		
3.435	67890	58817	0.866	0.15		
3.516	596412	432178	0.725	1.35		
3.611	19167	18609	0.971	0.04		
3.647	15129	9511	0.629	0.03		
3.732	135042	128551	0.952	0.30		
3.756	64325	57019	0.886	0.14		
3.813	1062140	1201939	1.132	2.41		
3.826	1285788	1271741	0.989	2.92		
3.930	900477	692801	0.769	2.04		
3.994	605988	570061	0.941	1.37		
4.058	351201	319673	0.910	0.79		
4.137	149029	131722	0.884	0.33		
4.215	1475927	1383740	0.938	3.35		
4.261	1173198	1126600	0.960	2.66	6 Aroclor 1248	BA
4.293	494927	502286	1.015	1.12		
4.310	515717	488015	0.946	1.17		
4.417	1799324	1700045	0.945	4.09		
4.452	888654	777134	0.875	2.02		
4.546	2052388	1889189	0.920	4.66	6 Aroclor 1248	BA
4.588	34383	33944	0.987	0.07		
4.618	476094	438433	0.921	1.08		
4.681	29129	21872	0.751	0.06		
4.727	64061	51195	0.799	0.14		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.769	110931	104719	0.944	0.25	
4.813	1017191	989120	0.972	2.31	6 Aroclor 1248
4.848	1949790	1821792	0.934	4.43	
4.879	2527488	1652488	0.654	5.75	6 Aroclor 1248
4.957	303686	249082	0.820	0.69	
5.038	1794002	1655561	0.923	4.08	6 Aroclor 1248
5.100	643410	513336	0.798	1.46	
5.162	765077	698728	0.913	1.74	
5.213	547175	504652	0.922	1.24	
5.284	41401	37162	0.898	0.09	
5.308	120103	105343	0.877	0.27	
5.363	470348	418426	0.890	1.07	
5.407	811478	707819	0.872	1.84	
5.445	498126	442022	0.887	1.13	
5.510	1346051	1105489	0.821	3.06	
5.605	392604	337924	0.861	0.89	
5.674	48073	38822	0.808	0.10	
5.717	86755	62682	0.723	0.19	
5.740	101326	88143	0.870	0.23	
5.765	28818	38498	1.336	0.06	
5.792	911257	762608	0.837	2.07	
5.889	94463	79681	0.844	0.21	
5.913	50133	31292	0.624	0.11	
5.994	30626	28514	0.931	0.06	
6.025	762038	662252	0.869	1.73	
6.055	160892	129589	0.805	0.36	
6.171	81256	53475	0.658	0.18	
6.228	54811	30043	0.548	0.12	
6.300	235601	196601	0.834	0.53	
6.333	46391	39165	0.844	0.10	
6.376	41268	29678	0.719	0.09	
6.447	37982	15949	0.420	0.08	
6.509	37155	37405	1.007	0.08	
6.537	96382	65323	0.678	0.21	
6.604	13761	11378	0.827	0.03	
6.719	40218	33312	0.828	0.09	
6.759	20105	17496	0.870	0.04	
6.803	43393	37801	0.871	0.09	
6.843	24388	14465	0.593	0.05	
6.941	11214	8137	0.726	0.02	
7.004	73324	59305	0.809	0.16	
7.126	31431	17422	0.554	0.07	
7.250	27971	25551	0.913	0.06	
7.391	30533	26580	0.871	0.06	
7.444	27775	25655	0.924	0.06	
7.693	17906	15318	0.855	0.04	
7.728	28913	24590	0.850	0.06	
7.779	18403	15964	0.867	0.04	
7.802	17401	15137	0.870	0.03	
7.901	30922	23185	0.750	0.07	
8.276	52635	47411	0.901	0.11	
8.380	33122	21479	0.648	0.07	
8.571	5194473	4505821	0.867	11.81	
8.943	27069	16672	0.616	0.06	
9.470	33315	19626	0.589	0.07	
9.960	28297	18719	0.662	0.06	
	43949512	39304455		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618038.D
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 06-MAR-2018 15:53
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal3d, 185549:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:53 Cal File: 030618038.D
Als bottle: 20 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1173198	0.50000	0.50	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	2052387	0.50000	0.49	0.00- 20.00	174.94	BA
4.813	4.812	0.001	1017190	0.50000	0.50	0.00- 20.00	86.70	BA
4.879	4.879	0.000	2527488	0.50000	0.50	0.00- 20.00	215.44	BA
5.037	5.038	-0.001	1794001	0.50000	0.50	0.00- 20.00	152.92	BA
Average of Peak Amounts =					0.49800			

QC Flag Legend

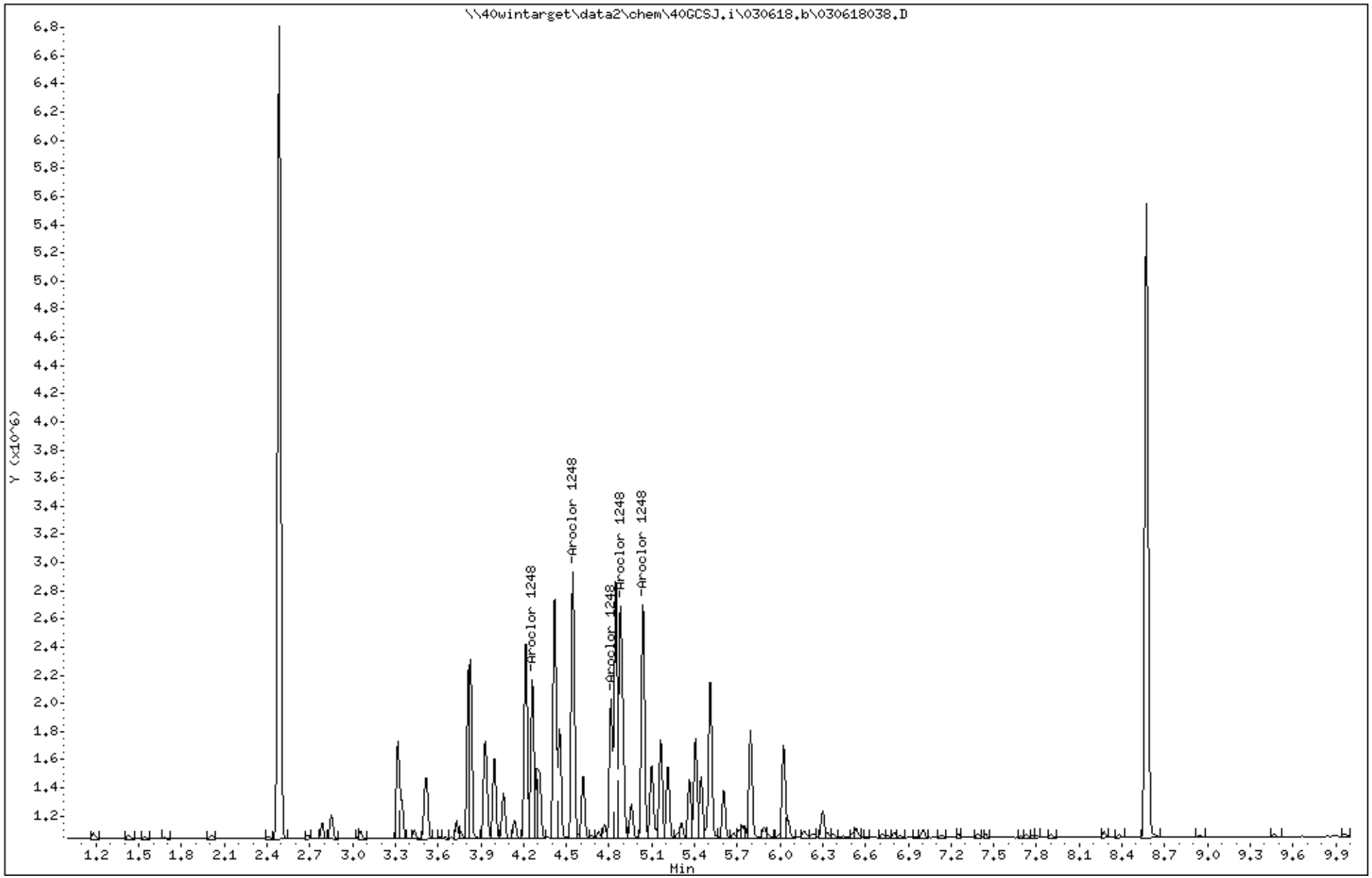
M - Compound response manually integrated.

Review Codes Legend

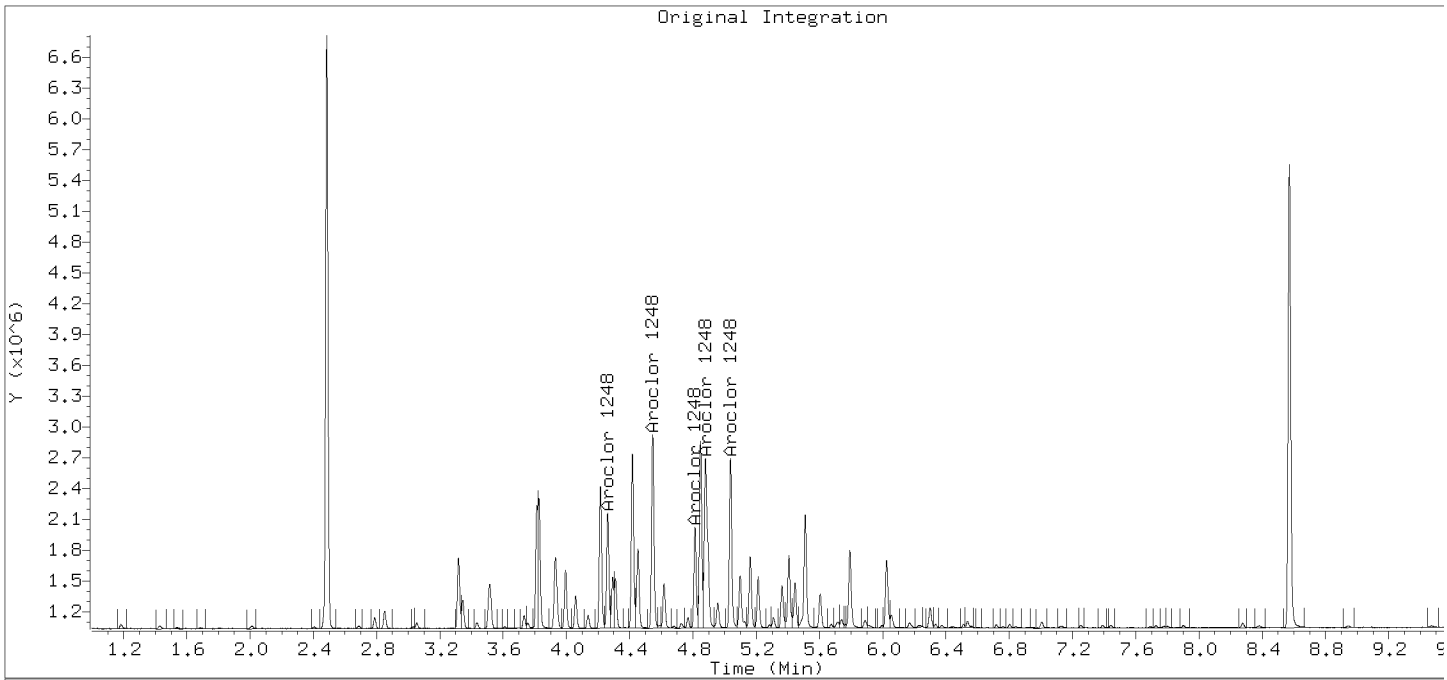
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

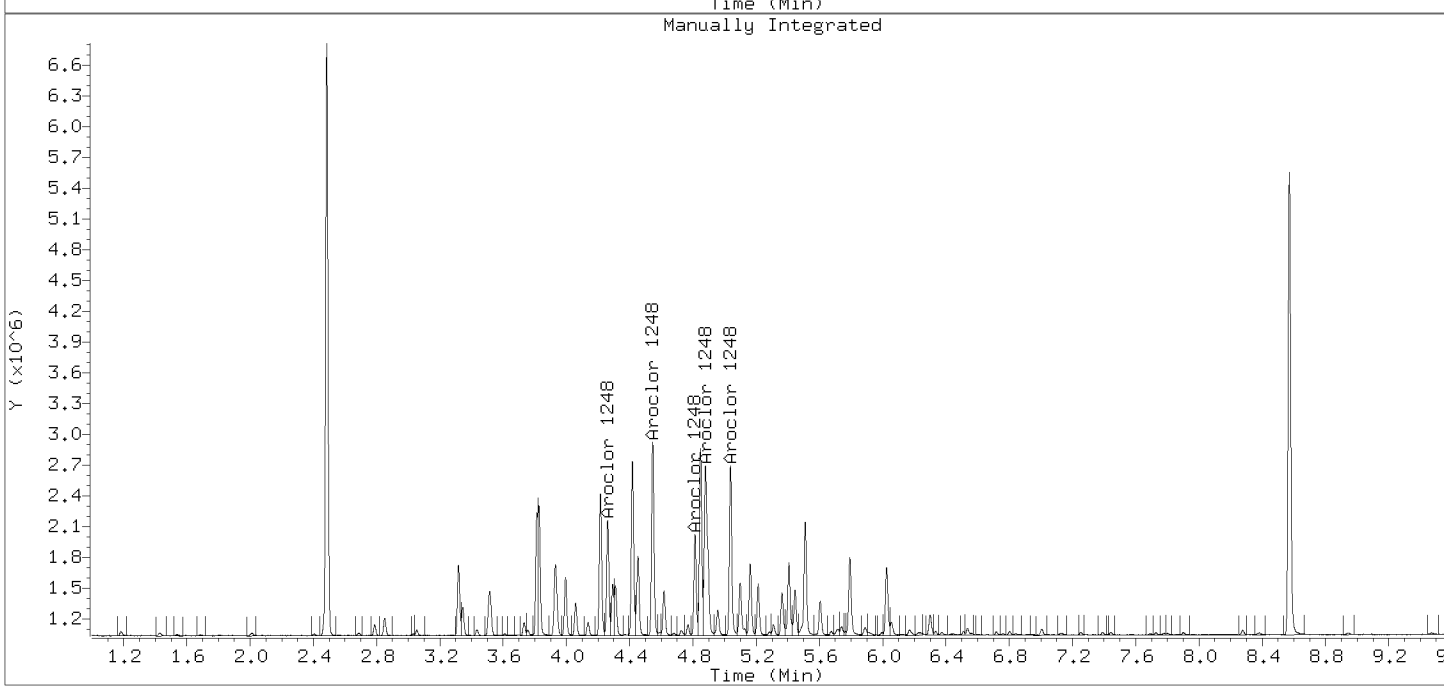
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618038.D
Date : 06-MAR-2018 15:53
Client ID: 1248-CAL3D
Sample Info: 1248-CAL3D, 185549:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618038.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:53 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CAL3D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1161123	1173198	BA
Aroclor 1248	1161123	1173198	BA
Aroclor 1248	1161123	1173198	BA
Aroclor 1248	1161123	1173198	BA
Aroclor 1248	1161123	1173198	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618040.D
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 06-MAR-2018 16:09
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal4d, 185550:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:09 Cal File: 030618040.D
Als bottle: 21 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
1.184	23783	14012	0.589	0.03		
1.430	68772	56288	0.818	0.09		
1.538	27818	21841	0.785	0.03		
2.406	41368	29218	0.706	0.05		
2.485	11662105	11112795	0.953	17.14		
2.688	47215	38573	0.817	0.06		
2.788	203552	191980	0.943	0.29		
2.851	287413	258349	0.899	0.41		
3.055	100338	85256	0.850	0.14		
3.318	1056102	1019716	0.966	1.50		
3.345	441526	421992	0.956	0.63		
3.434	97081	90204	0.929	0.13		
3.515	910659	658598	0.723	1.30		
3.611	32844	31062	0.946	0.04		
3.651	12163	10814	0.889	0.01		
3.695	12227	11029	0.902	0.01		
3.732	195496	195587	1.000	0.27		
3.756	83420	81444	0.976	0.11		
3.814	1567662	1791160	1.143	2.24		
3.827	1917579	1885095	0.983	2.74		
3.931	1340766	1031743	0.770	1.91		
3.994	893318	859435	0.962	1.27		
4.059	507945	474678	0.935	0.72		
4.137	209816	195120	0.930	0.29		
4.216	2174966	1996009	0.918	3.10		
4.262	1747290	1634508	0.935	2.49	6 Aroclor 1248	BA
4.293	719186	757380	1.053	1.02		
4.311	795770	743692	0.935	1.13		
4.418	2683345	2471775	0.921	3.83		
4.453	1336671	1172433	0.877	1.91		
4.546	3077708	2813367	0.914	4.39	6 Aroclor 1248	BA
4.592	50782	48315	0.951	0.07		
4.618	721531	680792	0.944	1.03		
4.682	39778	31109	0.782	0.05		
4.727	90436	74601	0.825	0.12		
4.768	164069	159220	0.970	0.23		
4.814	1529584	1458936	0.954	2.18	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.849	2912545	2807178	0.964	4.16	
4.879	3756486	2507650	0.668	5.36	6 Aroclor 1248
4.959	446081	367801	0.825	0.63	
5.038	2709000	2506705	0.925	3.87	6 Aroclor 1248
5.100	972027	775936	0.798	1.38	
5.163	1142709	1049261	0.918	1.63	
5.213	827376	755691	0.913	1.18	
5.285	59301	53069	0.895	0.08	
5.309	180372	153614	0.852	0.25	
5.364	725905	634309	0.874	1.03	
5.408	1217313	1074540	0.883	1.73	
5.447	755270	658840	0.872	1.07	
5.510	2000999	1684613	0.842	2.85	
5.605	577093	528233	0.915	0.82	
5.676	67052	59659	0.890	0.09	
5.718	120890	90293	0.747	0.17	
5.742	139371	130806	0.939	0.19	
5.763	48200	56761	1.178	0.06	
5.793	1366535	1115283	0.816	1.95	
5.888	190518	116597	0.612	0.27	
5.995	43830	40905	0.933	0.06	
6.025	1167064	1029378	0.882	1.66	
6.056	233192	189145	0.811	0.33	
6.171	117974	81314	0.689	0.16	
6.229	73058	40661	0.557	0.10	
6.299	353507	303097	0.857	0.50	
6.334	67864	56427	0.831	0.09	
6.373	56825	43449	0.765	0.08	
6.434	31012	16905	0.545	0.04	
6.512	66221	56258	0.850	0.09	
6.538	139332	94112	0.675	0.19	
6.604	20526	17194	0.838	0.02	
6.665	17050	12889	0.756	0.02	
6.720	59223	48657	0.822	0.08	
6.761	28886	25179	0.872	0.04	
6.804	64363	56227	0.874	0.09	
6.841	26723	19155	0.717	0.03	
7.005	107576	96122	0.894	0.15	
7.124	36317	20799	0.573	0.05	
7.253	47298	40406	0.854	0.06	
7.284	14796	11885	0.803	0.02	
7.392	50134	42799	0.854	0.07	
7.444	51593	44890	0.870	0.07	
7.690	21646	19744	0.912	0.03	
7.730	50158	42338	0.844	0.07	
7.804	37842	29484	0.779	0.05	
7.903	37446	35295	0.943	0.05	
8.276	107716	86008	0.798	0.15	
8.382	16440	13810	0.840	0.02	
8.573	9713869	8374648	0.862	13.88	
9.468	13816	9740	0.705	0.01	
9.968	11075	9075	0.819	0.01	
	69971497	62742960		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618040.D
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 06-MAR-2018 16:09
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal4d, 185550:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:09 Cal File: 030618040.D
Als bottle: 21 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1747289	0.80000	0.74	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	3077707	0.80000	0.74	0.00- 20.00	176.14	BA
4.813	4.812	0.001	1529584	0.80000	0.75	0.00- 20.00	87.54	BA
4.878	4.879	-0.001	3756485	0.80000	0.74	0.00- 20.00	214.99	BA
5.038	5.038	0.000	2708999	0.80000	0.75	0.00- 20.00	155.04	BA
Average of Peak Amounts =					0.74400			

QC Flag Legend

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\40GCSJ.i\030618.b\030618040.D

Date : 06-MAR-2018 16:09

Client ID: 1248-CAL4D

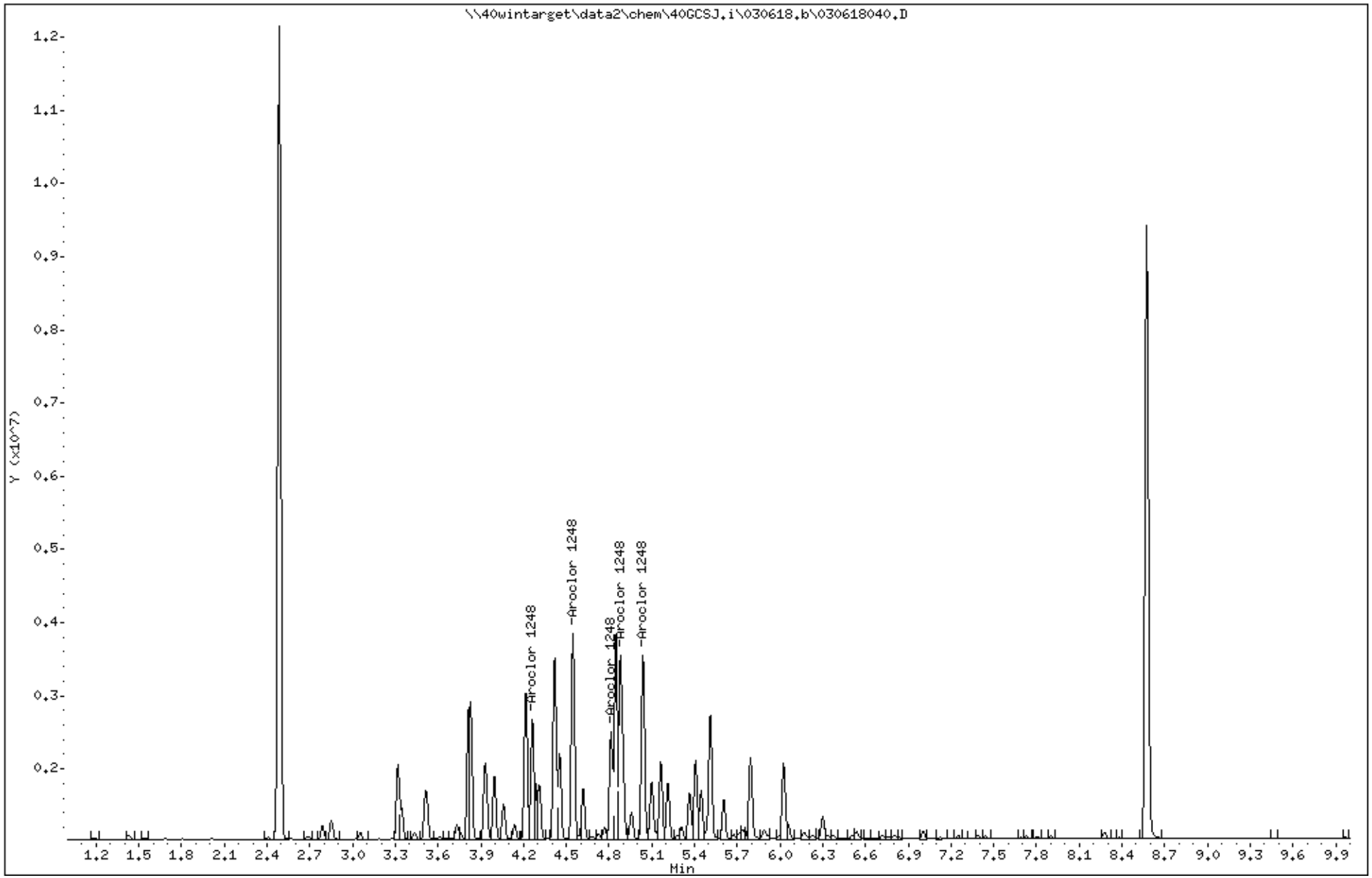
Instrument: 40GCSJ.i

Sample Info: 1248-CAL4D, 185550:1

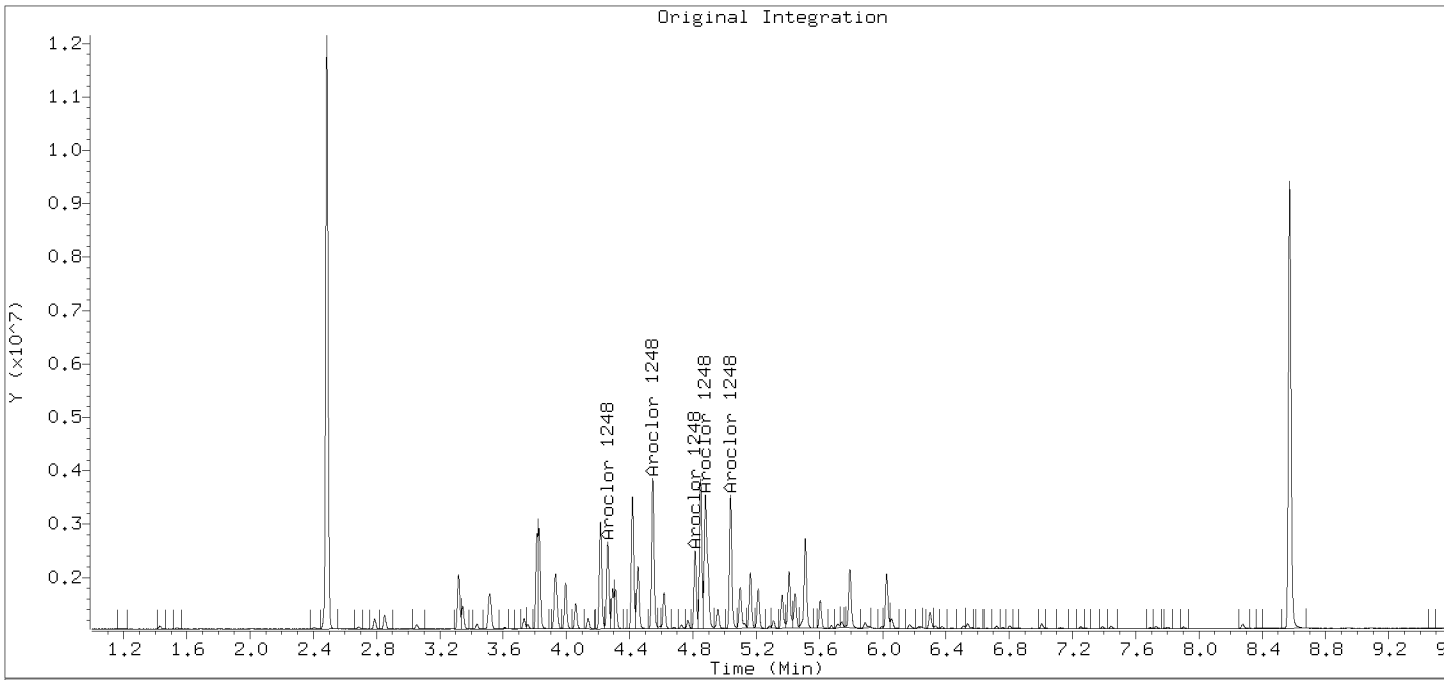
Operator: BLM

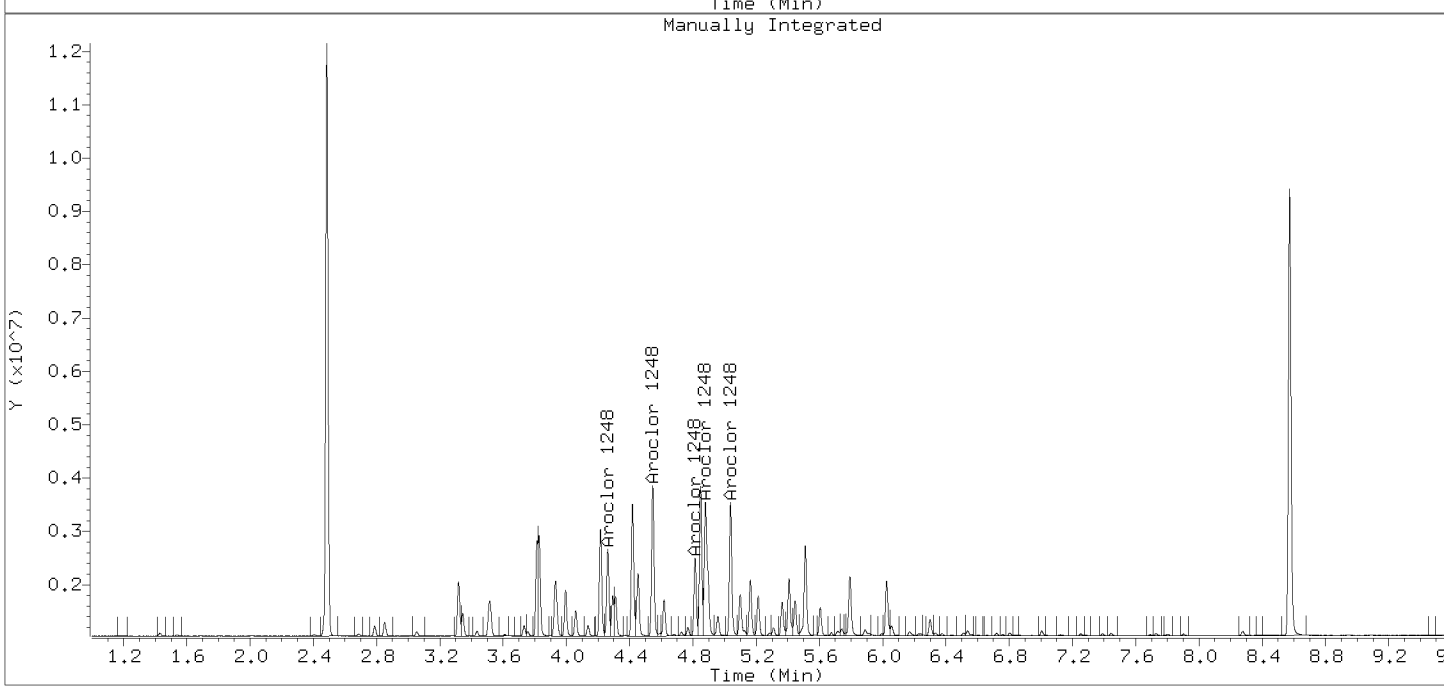
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618040.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 16:09 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CAL4D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1739344	1747289	BA
Aroclor 1248	1739344	1747289	BA
Aroclor 1248	1739344	1747289	BA
Aroclor 1248	1739344	1747289	BA
Aroclor 1248	1739344	1747289	BA

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SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618042.D
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 06-MAR-2018 16:25
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal5d, 185551:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:25 Cal File: 030618042.D
Als bottle: 22 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
1.184	15397	13334	0.866	0.01		
1.430	101369	87214	0.860	0.10		
1.537	43989	34591	0.786	0.04		
2.406	47903	33430	0.698	0.05		
2.485	17721229	17125552	0.966	19.37		
2.688	56165	47205	0.840	0.05		
2.788	288750	277495	0.961	0.30		
2.851	348759	325290	0.933	0.37		
3.054	123922	115841	0.935	0.13		
3.273	9293	8724	0.939	0.00		
3.318	1341983	1263092	0.941	1.43		
3.344	567538	536022	0.944	0.60		
3.434	126309	115528	0.915	0.13		
3.516	1155877	827361	0.716	1.23		
3.611	47908	47362	0.989	0.05		
3.647	10831	12550	1.159	0.01		
3.696	12947	14220	1.098	0.01		
3.732	246189	245791	0.998	0.26		
3.758	102423	103998	1.015	0.10		
3.814	1931729	2268598	1.174	2.06		
3.826	2479017	2389735	0.964	2.64		
3.931	1695811	1294913	0.764	1.80		
3.995	1133597	1088944	0.961	1.20		
4.059	642924	621662	0.967	0.68		
4.136	260443	245788	0.944	0.27		
4.216	2732694	2586455	0.946	2.91		
4.261	2183583	2056861	0.942	2.32	6 Aroclor 1248	BA
4.293	940491	949013	1.009	1.00		
4.310	984371	940127	0.955	1.05		
4.373	17082	14222	0.833	0.01		
4.418	3371096	3162549	0.938	3.59		
4.453	1703074	1454953	0.854	1.81		
4.546	3891543	3587538	0.922	4.15	6 Aroclor 1248	BA
4.591	55507	60505	1.090	0.05		
4.618	922889	867798	0.940	0.98		
4.679	46691	38089	0.816	0.04		
4.728	116729	92875	0.796	0.12		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.769	206094	200087	0.971	0.21	
4.814	1927122	1857150	0.964	2.05	6 Aroclor 1248
4.849	3694572	3560273	0.964	3.94	
4.880	4748871	3261898	0.687	5.06	6 Aroclor 1248
4.958	573809	487686	0.850	0.61	
5.038	3440920	3224544	0.937	3.67	6 Aroclor 1248
5.099	1231738	975474	0.792	1.31	
5.163	1442598	1311329	0.909	1.53	
5.213	1046539	961794	0.919	1.11	
5.285	77016	69190	0.898	0.08	
5.309	226198	194152	0.858	0.24	
5.364	920750	826849	0.898	0.98	
5.407	1532611	1323050	0.863	1.63	
5.446	983454	847993	0.862	1.04	
5.511	2532627	2102151	0.830	2.70	
5.605	736667	659983	0.896	0.78	
5.676	82056	71573	0.872	0.08	
5.717	150366	114784	0.763	0.16	
5.741	184149	167330	0.909	0.19	
5.762	57712	71463	1.238	0.06	
5.793	1735942	1359776	0.783	1.85	
5.890	231734	149127	0.644	0.24	
5.994	49770	49696	0.999	0.05	
6.025	1490983	1293880	0.868	1.59	
6.056	314721	242832	0.772	0.33	
6.169	146062	104225	0.714	0.15	
6.227	101525	50840	0.501	0.10	
6.299	449260	381467	0.849	0.47	
6.335	84948	72590	0.855	0.09	
6.375	71691	55450	0.773	0.07	
6.435	33526	20718	0.618	0.03	
6.510	77044	72111	0.936	0.08	
6.537	172087	123276	0.716	0.18	
6.609	25723	18897	0.735	0.02	
6.660	18434	15697	0.852	0.01	
6.721	70509	61602	0.874	0.07	
6.760	38763	32658	0.843	0.04	
6.802	83703	70972	0.848	0.08	
6.842	38188	23754	0.622	0.04	
6.914	13236	11502	0.869	0.01	
6.943	16695	13481	0.807	0.01	
7.006	152792	119576	0.783	0.16	
7.122	35477	27446	0.774	0.03	
7.252	56007	44086	0.787	0.05	
7.388	61340	50925	0.830	0.06	
7.446	59037	54928	0.930	0.06	
7.692	28579	27869	0.975	0.03	
7.730	76894	62730	0.816	0.08	
7.802	60957	40295	0.661	0.06	
7.901	57972	43159	0.744	0.06	
8.276	150141	122351	0.815	0.16	
8.379	21548	15836	0.735	0.02	
8.573	14394097	12289354	0.854	15.35	
8.946	18562	11531	0.621	0.01	
9.086	15319	13297	0.868	0.01	
9.963	9351	8698	0.930	0.00	
	93736539	84400610		100.000	

Total unknown % area = 83

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618042.D
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 06-MAR-2018 16:25
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-cal5d, 185551:1
Misc Info : 17498,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:25 Cal File: 030618042.D
Als bottle: 22 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	2183582	1.00000	0.93	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	3891542	1.00000	0.94	0.00- 20.00	178.22	BA
4.813	4.812	0.001	1927121	1.00000	0.95	0.00- 20.00	88.26	BA
4.879	4.879	0.000	4748871	1.00000	0.94	0.00- 20.00	217.48	BA
5.037	5.038	-0.001	3440920	1.00000	0.96	0.00- 20.00	157.58	BA
Average of Peak Amounts =					0.94400			

QC Flag Legend

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\40GCSJ.i\030618.b\030618042.D

Date : 06-MAR-2018 16:25

Client ID: 1248-CAL5D

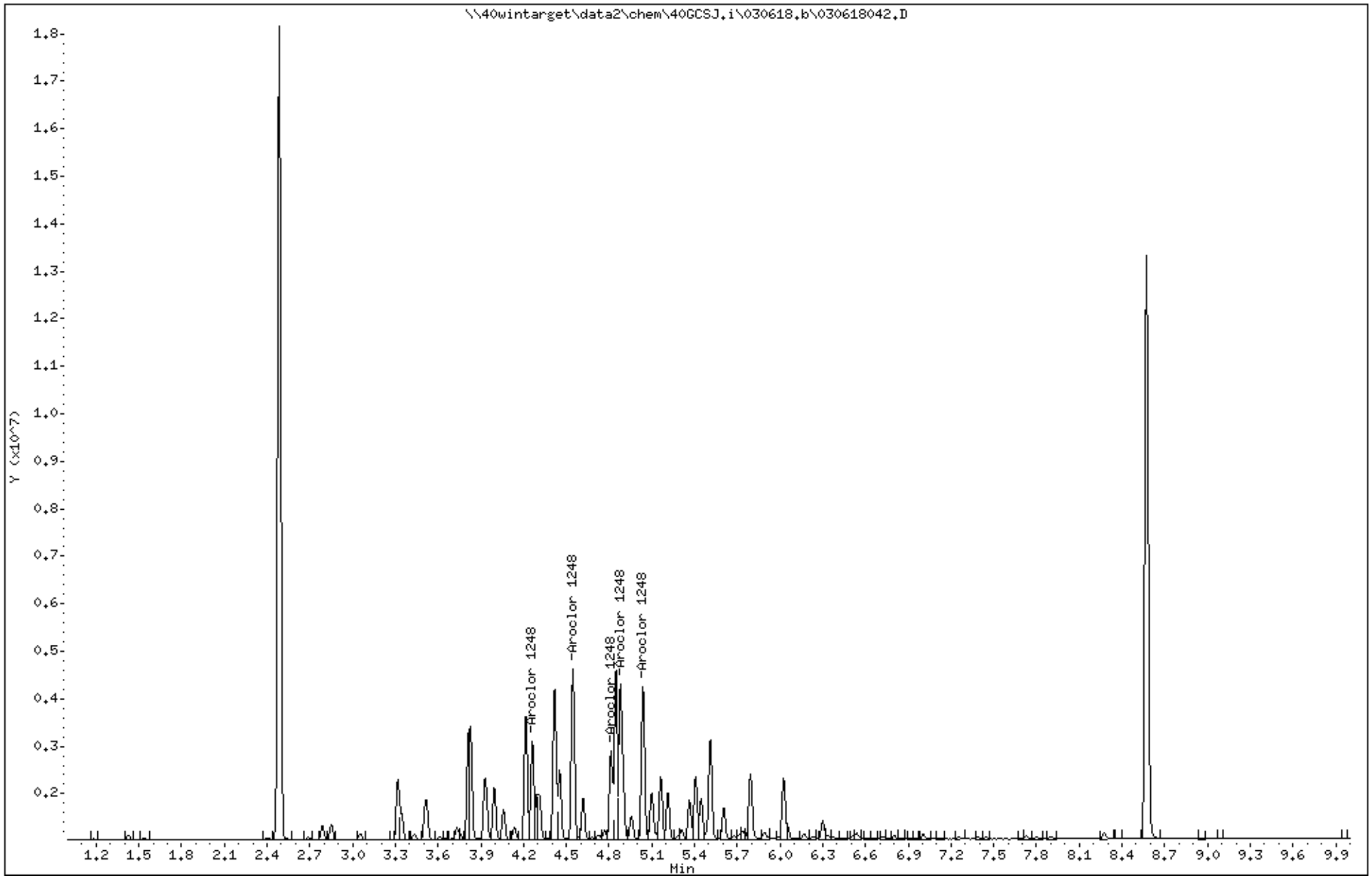
Instrument: 40GCSJ.i

Sample Info: 1248-CAL5D, 185551:1

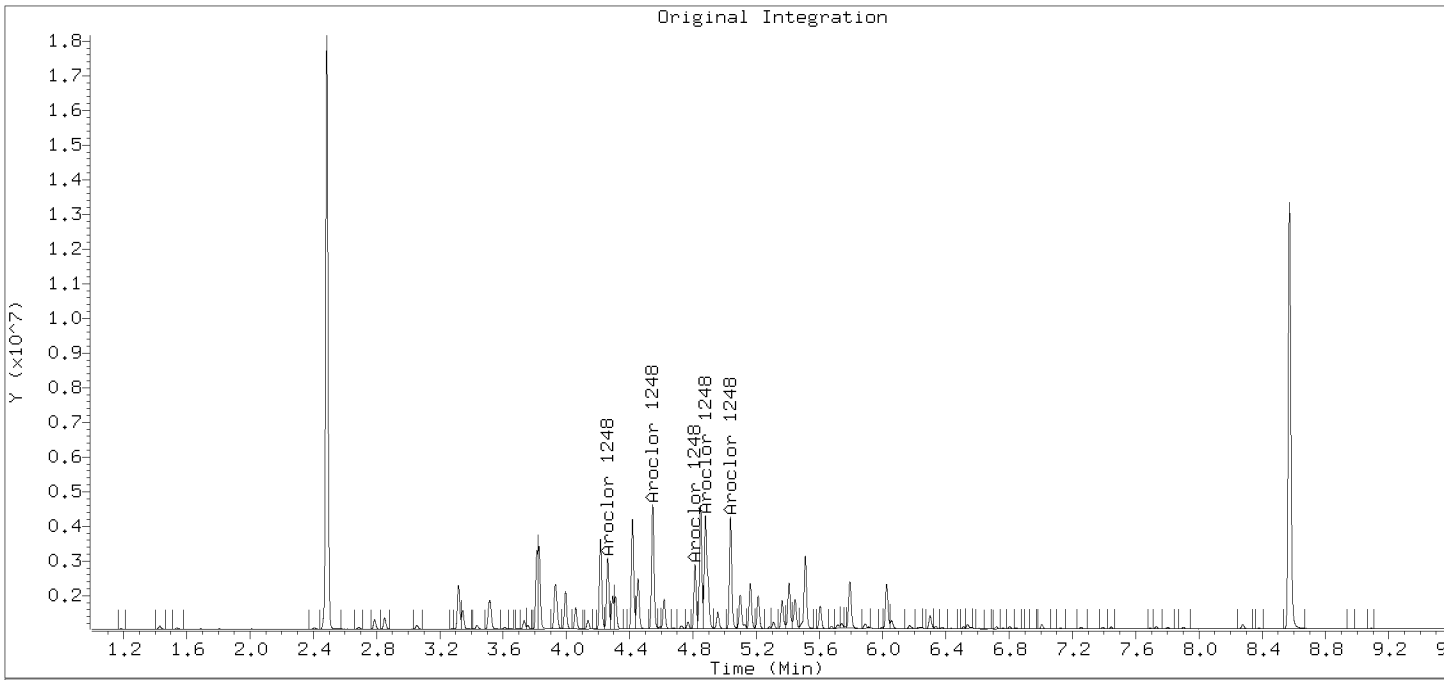
Operator: BLM

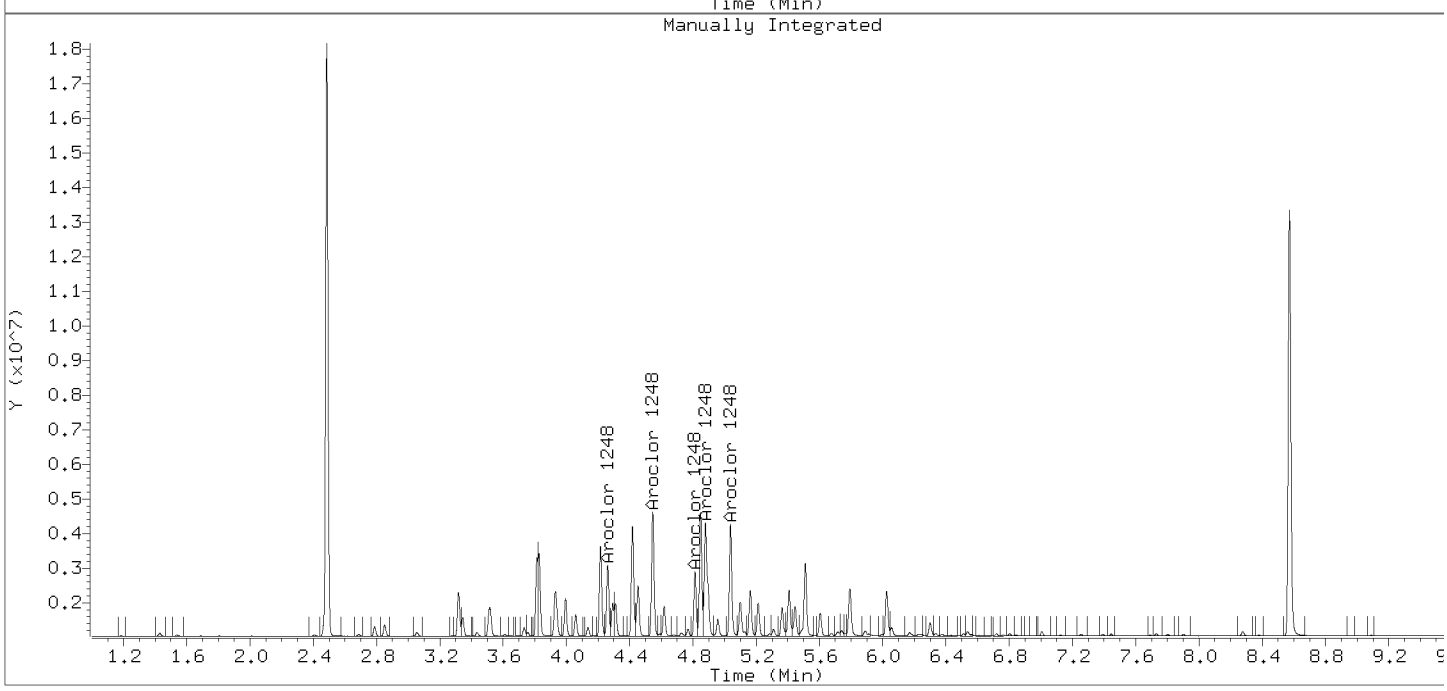
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618042.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 16:25 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CAL5D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	2175285	2183582	BA
Aroclor 1248	2175285	2183582	BA
Aroclor 1248	2175285	2183582	BA
Aroclor 1248	2175285	2183582	BA
Aroclor 1248	2175285	2183582	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618046.D
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 06-MAR-2018 16:57
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal1c, 188135:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:57 Cal File: 030618046.D
Als bottle: 24 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
1.183	48987	40093	0.818	0.41		
1.426	12583	10350	0.823	0.10		
1.686	14588	13145	0.901	0.12		
2.011	39185	27090	0.691	0.33		
2.484	1264026	1229666	0.973	11.03		
2.787	25737	23306	0.906	0.21		
3.028	26930	17363	0.645	0.22		
3.814	29490	14918	0.506	0.25		
4.000	27012	19985	0.740	0.22		
4.046	9554	8540	0.894	0.08		
4.215	267608	259554	0.970	2.27		
4.260	70496	69050	0.979	0.59		
4.293	14185	11720	0.826	0.12		
4.418	167997	155970	0.928	1.42		
4.452	20339	17534	0.862	0.17		
4.547	73516	70272	0.956	0.62		
4.615	15012	14316	0.954	0.12		
4.813	63092	62377	0.989	0.53		
4.848	232331	222423	0.957	1.97		
4.895	547413	435444	0.795	4.64		
4.958	89049	77209	0.867	0.75		
5.038	53508	47334	0.885	0.45		
5.101	310238	269708	0.869	2.63		
5.163	578338	533266	0.922	4.91	7 Aroclor 1254	BA
5.213	259231	232363	0.896	2.20		
5.286	13290	15715	1.182	0.11		
5.310	48017	42464	0.884	0.40		
5.363	222324	207379	0.933	1.88		
5.408	461676	411346	0.891	3.91	7 Aroclor 1254	BA
5.446	153810	143804	0.935	1.30		
5.478	60811	58639	0.964	0.51		
5.511	843524	762911	0.904	7.16	7 Aroclor 1254	BA
5.605	121504	105369	0.867	1.03		
5.676	76082	73395	0.965	0.64		
5.712	129494	82303	0.636	1.09		
5.740	72702	60950	0.838	0.61		
5.791	864719	646413	0.748	7.34		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.885	76602	58309	0.761	0.65	
5.925	46537	28076	0.603	0.39	
5.994	69953	65994	0.943	0.59	
6.027	514088	428155	0.833	4.36	7 Aroclor 1254
6.056	378012	325072	0.860	3.20	
6.169	154351	125775	0.815	1.31	
6.228	120109	63109	0.525	1.01	
6.300	701502	599827	0.855	5.95	7 Aroclor 1254
6.335	126230	111073	0.880	1.07	
6.375	74344	60647	0.816	0.63	
6.443	34233	19876	0.581	0.29	
6.512	29729	27649	0.930	0.25	
6.536	235571	178655	0.758	2.00	
6.607	36815	29017	0.788	0.31	
6.719	47979	41305	0.861	0.40	
6.759	31561	26431	0.837	0.26	
6.803	129897	110305	0.849	1.10	
6.844	33654	23973	0.712	0.28	
6.948	16896	13072	0.774	0.14	
7.005	90785	79102	0.871	0.77	
7.138	27852	16095	0.578	0.23	
7.253	92553	68397	0.739	0.78	
7.776	24601	16237	0.660	0.20	
7.900	9733	7403	0.761	0.08	
8.278	11455	11514	1.005	0.09	
8.380	27407	19837	0.724	0.23	
8.573	1220451	1043440	0.855	10.36	
8.945	34590	22887	0.662	0.29	
9.468	24800	20749	0.837	0.21	
9.962	27633	19326	0.699	0.23	
	11778321	10154991		100.000	

Total unknown % area = 74

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618046.D
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 06-MAR-2018 16:57
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal1c, 188135:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:57 Cal File: 030618046.D
Als bottle: 24 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor 1254					CAS #: 11097-69-1			
5.163	5.162	0.001	578337	0.10000	0.11	0.00- 20.00	100.00(M)	BA
5.408	5.408	0.000	461675	0.10000	0.11	0.00- 20.00	79.83	BA
5.510	5.510	0.000	843524	0.10000	0.11	0.00- 20.00	145.85	BA
6.026	6.027	-0.001	514088	0.10000	0.10	0.00- 20.00	88.89	BA
6.299	6.299	0.000	701502	0.10000	0.11	0.00- 20.00	121.30	BA
Average of Peak Amounts =					0.10800			

QC Flag Legend

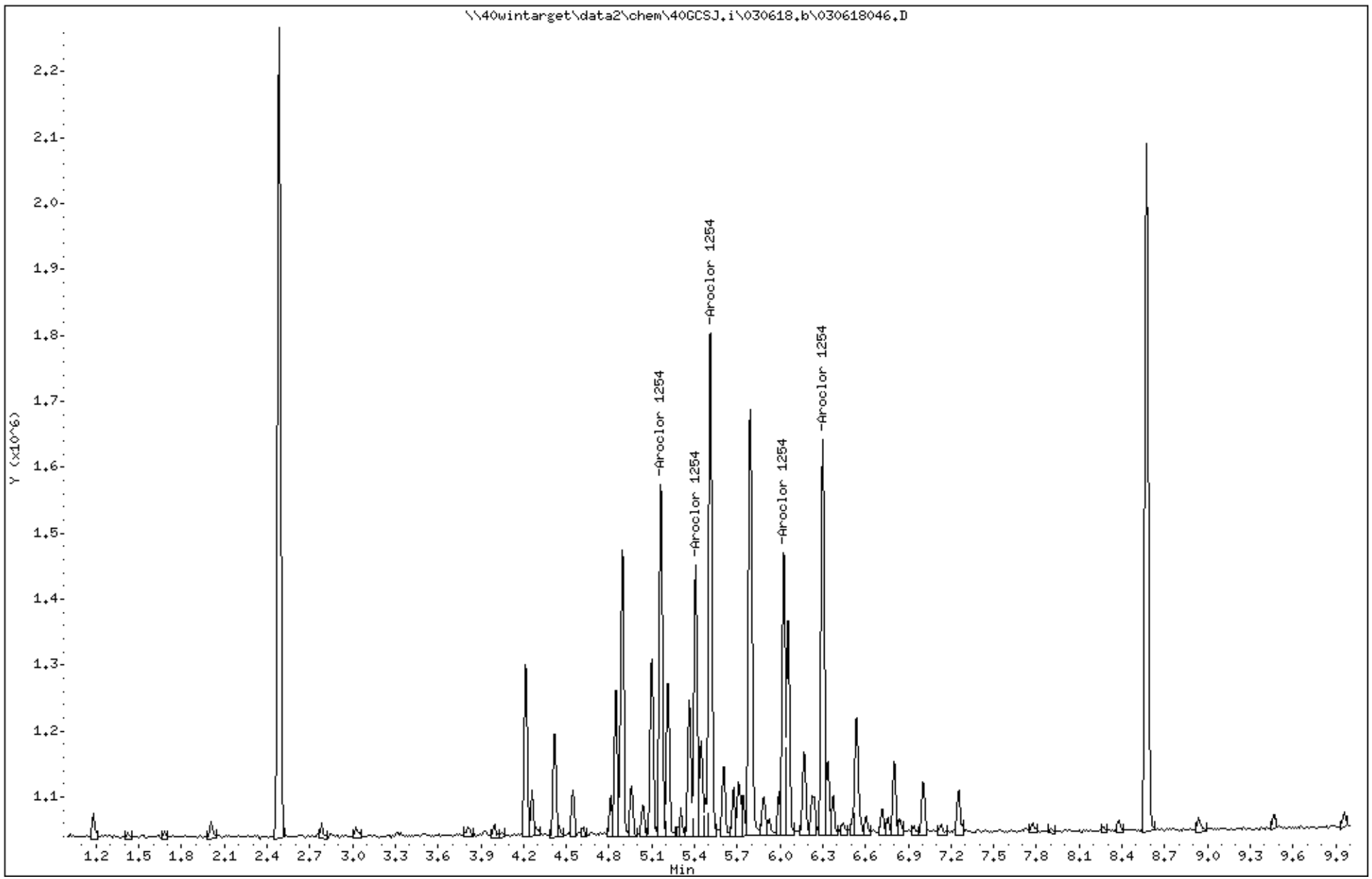
M - Compound response manually integrated.

Review Codes Legend

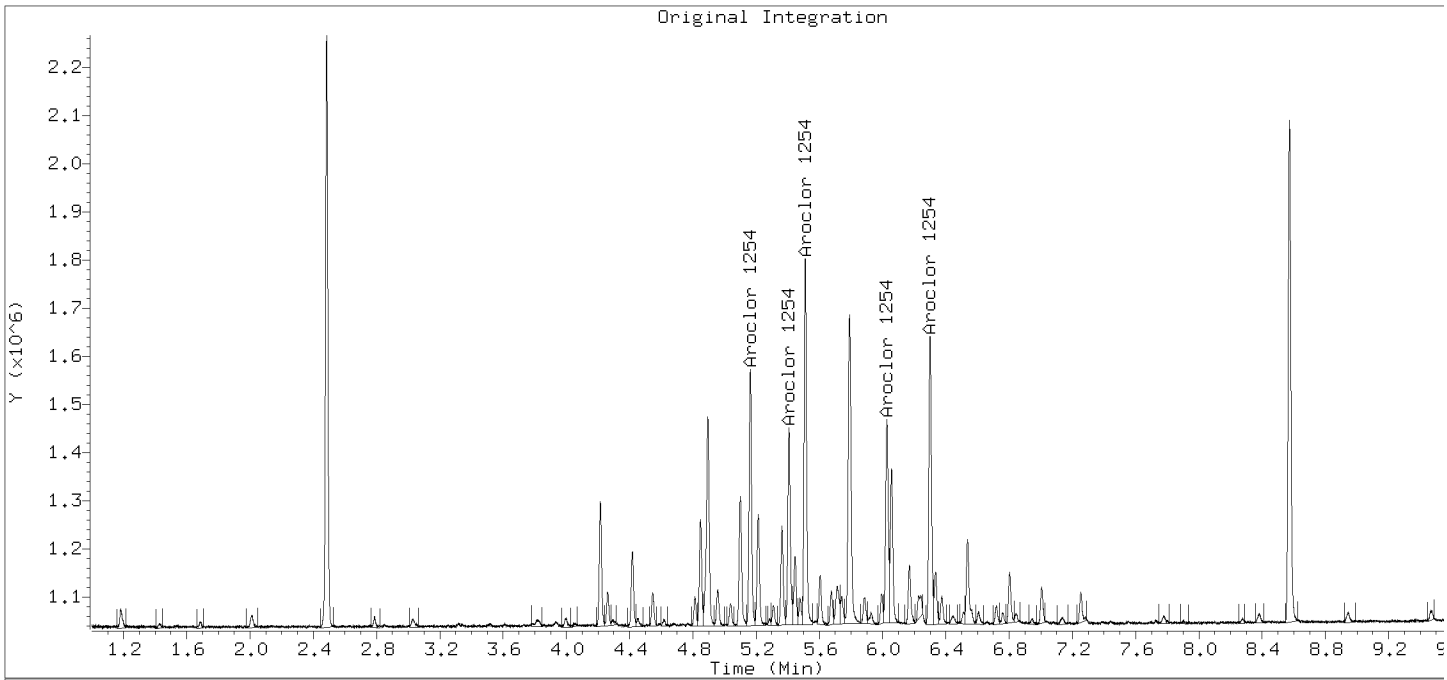
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

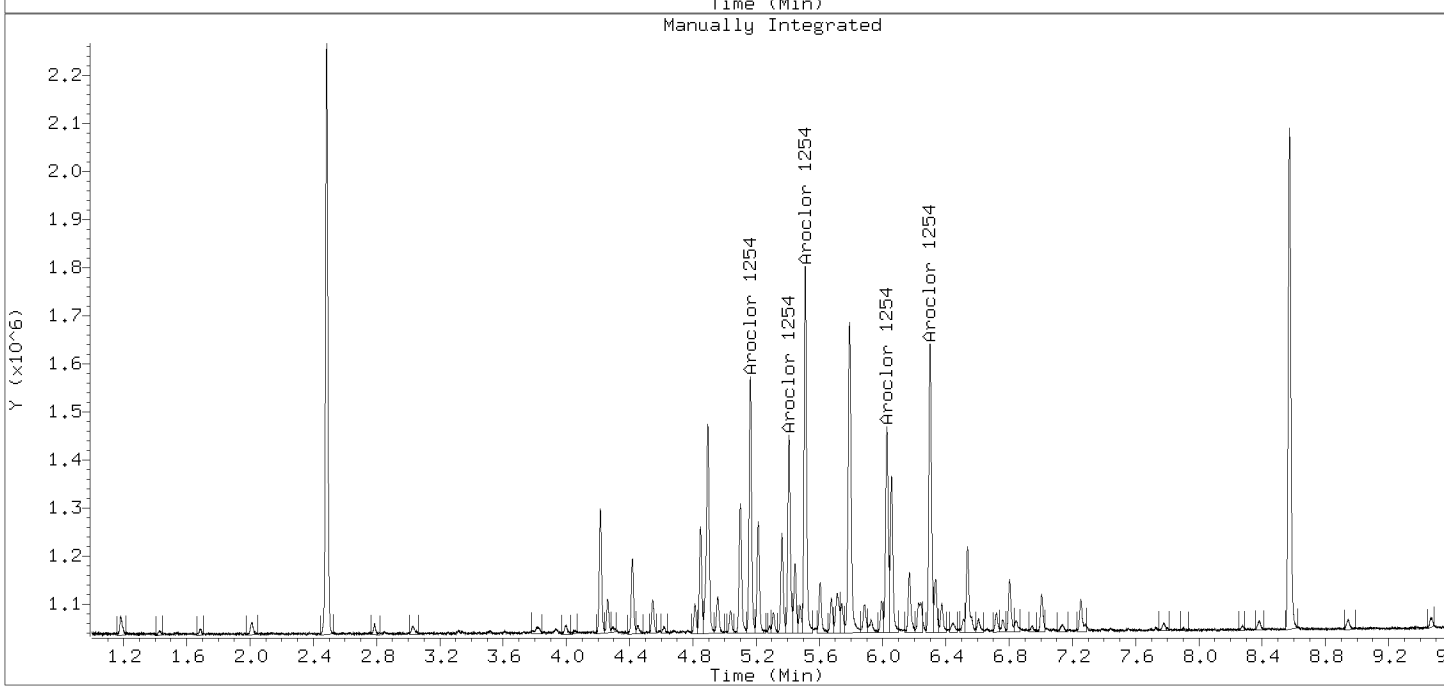
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618046.D
Date : 06-MAR-2018 16:57
Client ID: 1254-CAL1C
Sample Info: 1254-CAL1C, 188135:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618046.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 16:57 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CAL1C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	575308	578337	BA
Aroclor 1254	575308	578337	BA
Aroclor 1254	575308	578337	BA
Aroclor 1254	575308	578337	BA
Aroclor 1254	575308	578337	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618048.D
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 06-MAR-2018 17:13
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal2c, 185553:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:13 Cal File: 030618048.D
Als bottle: 25 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
1.180	14785	11446	0.774	0.06		
1.428	22932	16453	0.717	0.10		
2.008	13252	7547	0.570	0.05		
2.484	2443152	2335532	0.956	11.18		
2.785	38923	36879	0.947	0.17		
3.317	15688	15090	0.962	0.06		
3.816	33314	23152	0.695	0.14		
3.936	25391	18861	0.743	0.11		
3.991	19776	14851	0.751	0.08		
4.057	14294	10125	0.708	0.06		
4.215	518990	504810	0.973	2.30		
4.262	130759	134614	1.029	0.57		
4.417	318089	306882	0.965	1.40		
4.453	36792	31401	0.853	0.16		
4.546	146634	140842	0.961	0.64		
4.594	9667	9066	0.938	0.04		
4.619	30811	24715	0.802	0.13		
4.679	14300	9754	0.682	0.06		
4.812	124031	118773	0.958	0.54		
4.848	455414	441589	0.970	2.01		
4.894	1053205	858019	0.815	4.66		
4.957	173883	154163	0.887	0.77		
5.038	101462	94180	0.928	0.44		
5.100	607083	520373	0.857	2.69		
5.163	1130516	1047365	0.926	5.01	7 Aroclor 1254	BA
5.213	500908	455276	0.909	2.22		
5.257	17625	16702	0.948	0.07		
5.285	29337	27985	0.954	0.13		
5.309	96003	86176	0.898	0.42		
5.363	431219	406625	0.943	1.91		
5.407	916372	831698	0.908	4.06	7 Aroclor 1254	BA
5.447	306543	274508	0.895	1.35		
5.478	113703	114036	1.003	0.50		
5.510	1657392	1480187	0.893	7.34	7 Aroclor 1254	BA
5.579	19853	16482	0.830	0.08		
5.605	231410	203474	0.879	1.02		
5.675	151855	139702	0.920	0.67		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.713	234337	153331	0.654	1.03	
5.740	130944	119042	0.909	0.58	
5.790	1692901	1288520	0.761	7.50	
5.884	152797	115170	0.754	0.67	
5.927	77749	50774	0.653	0.34	
5.994	139616	133887	0.959	0.61	
6.026	1030270	853221	0.828	4.56	7 Aroclor 1254
6.056	727544	649744	0.893	3.22	
6.086	209395	142010	0.678	0.92	
6.169	306146	246695	0.806	1.35	
6.228	123149	122142	0.992	0.54	
6.241	143819	124934	0.869	0.63	
6.299	1396395	1154592	0.827	6.18	7 Aroclor 1254
6.334	246981	213346	0.864	1.09	
6.375	147488	117497	0.797	0.65	
6.438	46079	24168	0.524	0.20	
6.512	58184	55972	0.962	0.25	
6.537	454237	352793	0.777	2.01	
6.605	73055	56160	0.769	0.32	
6.660	18073	13693	0.758	0.08	
6.720	93177	76403	0.820	0.41	
6.760	56477	50956	0.902	0.25	
6.802	250222	217408	0.869	1.10	
6.845	76101	47284	0.621	0.33	
6.945	29987	22146	0.739	0.13	
7.005	187120	153304	0.819	0.82	
7.252	146914	128748	0.876	0.65	
7.283	43303	26667	0.616	0.19	
7.557	16777	10505	0.626	0.07	
7.903	15055	9793	0.650	0.06	
8.278	21586	17365	0.804	0.09	
8.572	2251771	1853841	0.823	9.97	
	22563007	19541444		100.000	

Total unknown % area = 73

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618048.D
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 06-MAR-2018 17:13
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal2c, 185553:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:13 Cal File: 030618048.D
Als bottle: 25 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor 1254					CAS #: 11097-69-1			
5.162	5.162	0.000	1130515	0.20000	0.22	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	916371	0.20000	0.21	0.00- 20.00	81.06	BA
5.510	5.510	0.000	1657392	0.20000	0.21	0.00- 20.00	146.61	BA
6.026	6.027	-0.001	1030270	0.20000	0.21	0.00- 20.00	91.13	BA
6.299	6.299	0.000	1396394	0.20000	0.21	0.00- 20.00	123.52	BA
Average of Peak Amounts =					0.21200			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

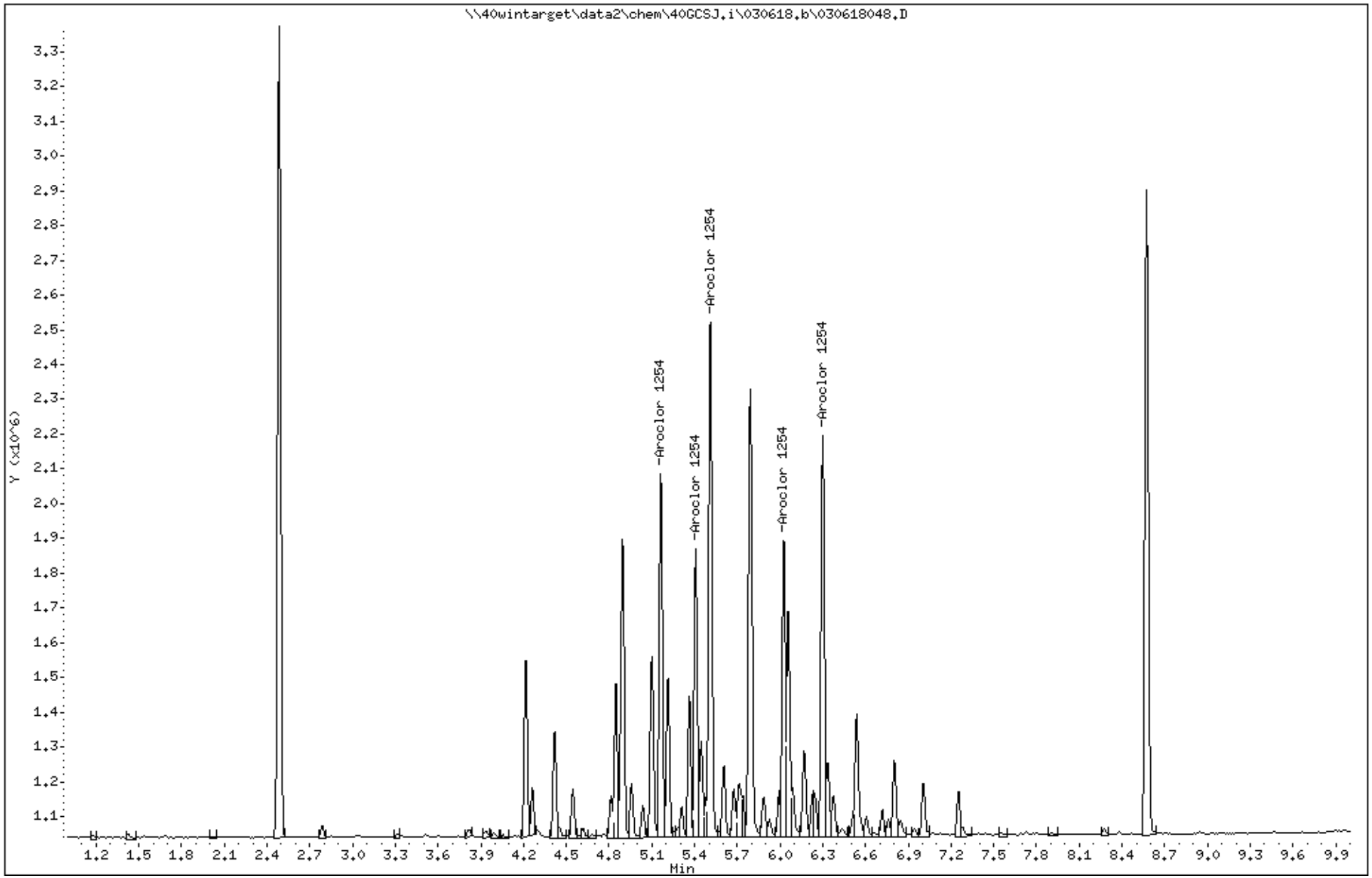
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618048.D
Date : 06-MAR-2018 17:13
Client ID: 1254-CAL2C
Sample Info: 1254-CAL2C, 185553:1

Instrument: 40GCSJ.i

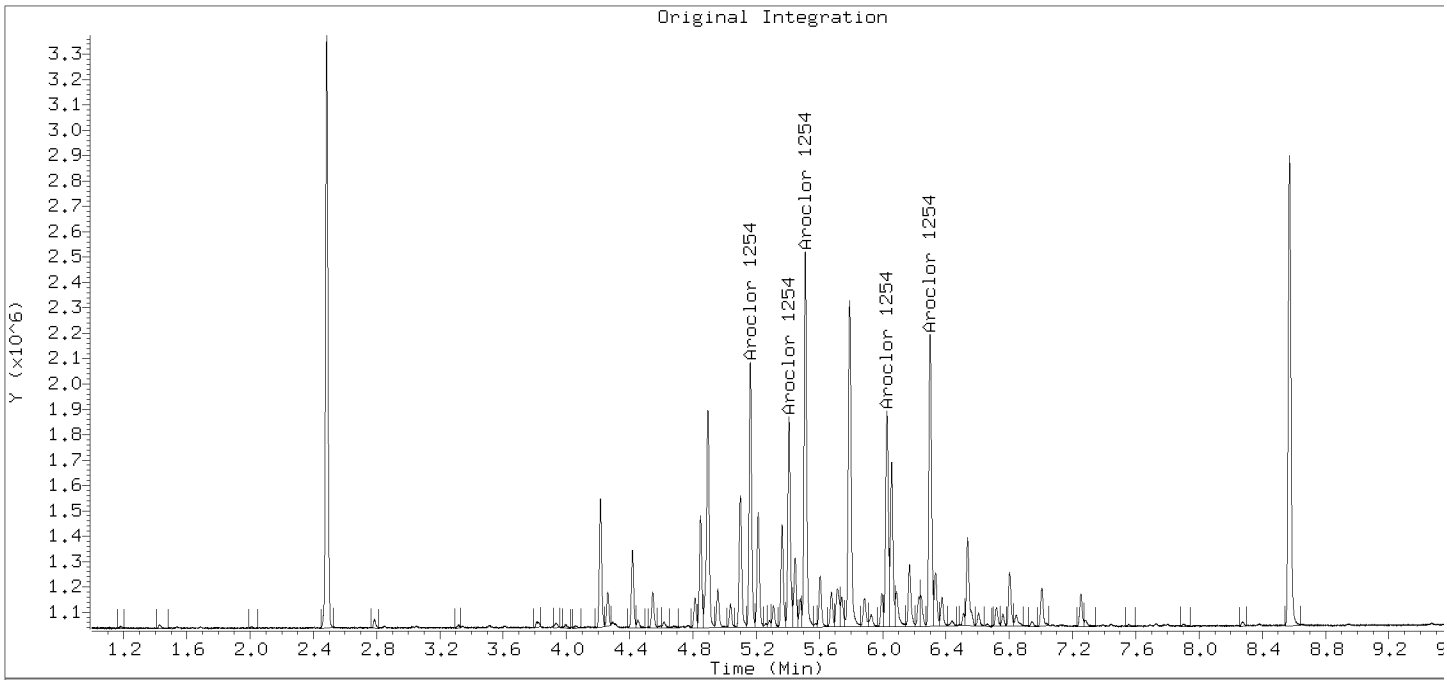
Operator: BLM

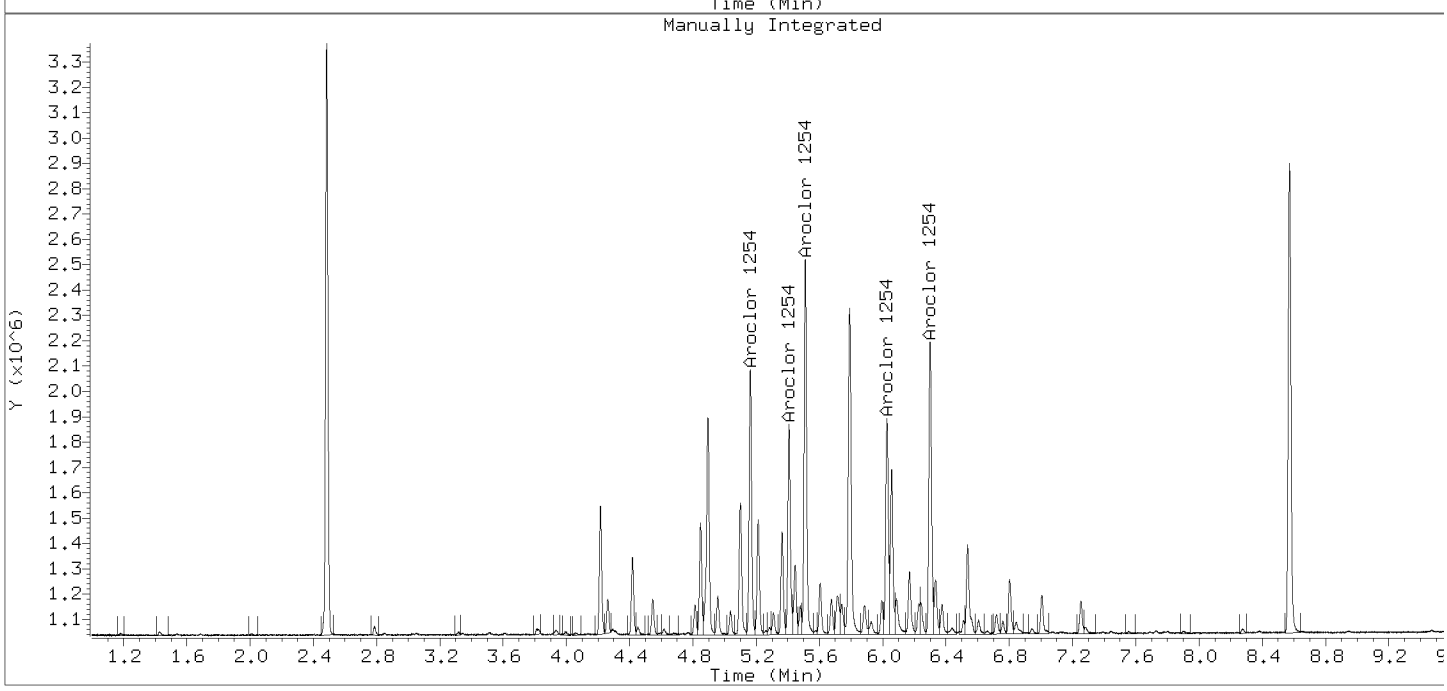
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618048.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:13 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CAL2C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	1126550	1130515	BA
Aroclor 1254	1126550	1130515	BA
Aroclor 1254	1126550	1130515	BA
Aroclor 1254	1126550	1130515	BA
Aroclor 1254	1126550	1130515	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618050.D
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 06-MAR-2018 17:30
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal3c, 185554:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:30 Cal File: 030618050.D
Als bottle: 26 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
1.182	51337	40044	0.780	0.09		
1.429	39957	34317	0.859	0.07		
1.537	17914	13995	0.781	0.03		
1.685	15629	15398	0.985	0.02		
2.011	29599	20853	0.705	0.05		
2.485	6057898	5851038	0.966	12.02		
2.686	9516	7676	0.807	0.01		
2.787	95008	87358	0.919	0.18		
2.851	23819	20877	0.877	0.04		
3.052	13713	14987	1.093	0.02		
3.316	31189	30919	0.991	0.05		
3.344	21096	17017	0.807	0.04		
3.515	29295	21880	0.747	0.05		
3.610	20788	17635	0.848	0.03		
3.728	13013	9960	0.765	0.02		
3.815	75390	52210	0.693	0.14		
3.933	62381	42408	0.680	0.11		
3.996	40445	30149	0.745	0.07		
4.057	24255	18114	0.747	0.04		
4.215	1217908	1150954	0.945	2.32		
4.262	330320	319433	0.967	0.63		
4.292	64830	48630	0.750	0.12		
4.418	748177	726093	0.970	1.42		
4.452	73920	66424	0.899	0.14		
4.545	335088	319422	0.953	0.63		
4.592	16526	15457	0.935	0.03		
4.619	59193	52479	0.887	0.11		
4.685	17734	16983	0.958	0.03		
4.770	20117	19880	0.988	0.03		
4.813	284745	275889	0.969	0.54		
4.849	1084246	1045959	0.965	2.06		
4.895	2405586	1902763	0.791	4.58		
4.957	390371	342893	0.878	0.74		
5.037	238296	218476	0.917	0.45		
5.100	1405616	1219340	0.867	2.68		
5.164	2560293	2304428	0.900	4.88	7 Aroclor 1254	BA
5.213	1173729	1059080	0.902	2.23		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.285	60363	60152	0.996	0.11	
5.309	214942	193512	0.900	0.41	
5.364	1020588	935288	0.916	1.94	
5.407	2112521	1886528	0.893	4.03	7 Aroclor 1254
5.447	733518	649777	0.886	1.39	
5.479	265192	257135	0.970	0.50	
5.511	3811784	3385999	0.888	7.27	7 Aroclor 1254
5.579	32531	33382	1.026	0.06	
5.605	530818	484241	0.912	1.01	
5.676	348702	323329	0.927	0.66	
5.714	533476	346229	0.649	1.01	
5.742	324759	270812	0.834	0.61	
5.791	3843360	2976827	0.775	7.33	
5.886	336244	269243	0.801	0.64	
5.927	179445	112871	0.629	0.34	
5.994	317667	298687	0.940	0.60	
6.026	2413214	1944030	0.806	4.60	7 Aroclor 1254
6.056	1748224	1477442	0.845	3.33	
6.170	686623	578812	0.843	1.31	
6.229	279467	280903	1.005	0.53	
6.242	317134	279276	0.881	0.60	
6.300	3184410	2766550	0.869	6.07	7 Aroclor 1254
6.334	582664	515473	0.885	1.11	
6.374	330007	275263	0.834	0.62	
6.438	89310	51831	0.580	0.17	
6.487	18679	18109	0.970	0.03	
6.511	122714	122347	0.997	0.23	
6.537	1081766	870038	0.804	2.06	
6.607	157551	128075	0.813	0.30	
6.662	30905	25338	0.820	0.05	
6.718	210754	178569	0.847	0.40	
6.761	129400	110612	0.855	0.24	
6.802	599534	539615	0.900	1.14	
6.844	171759	108076	0.629	0.32	
6.945	57172	47423	0.829	0.10	
7.006	434841	362564	0.834	0.82	
7.077	18727	15733	0.840	0.03	
7.130	24196	17055	0.705	0.04	
7.252	342578	310115	0.905	0.65	
7.282	72487	60104	0.829	0.13	
7.390	19578	16122	0.823	0.03	
7.445	35210	22193	0.630	0.06	
7.553	26390	18609	0.705	0.05	
7.694	16316	14388	0.882	0.03	
7.729	31518	23387	0.742	0.06	
7.778	19445	16730	0.860	0.03	
7.798	20263	16018	0.790	0.03	
7.904	22590	18864	0.835	0.04	
8.276	52953	39504	0.746	0.10	
8.382	28017	19746	0.705	0.05	
8.572	5213644	4428280	0.849	9.94	
8.943	21557	16555	0.768	0.04	
9.466	15645	11531	0.737	0.02	
9.966	18425	14389	0.781	0.03	
	52410519	45695099		100.000	

Total unknown % area = 73

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618050.D
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 06-MAR-2018 17:30
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal3c, 185554:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:30 Cal File: 030618050.D
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor 1254					CAS #: 11097-69-1			
5.163	5.162	0.001	2560292	0.50000	0.49	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	2112521	0.50000	0.49	0.00- 20.00	82.51	BA
5.510	5.510	0.000	3811784	0.50000	0.49	0.00- 20.00	148.88	BA
6.026	6.027	-0.001	2413214	0.50000	0.50	0.00- 20.00	94.26	BA
6.299	6.299	0.000	3184409	0.50000	0.49	0.00- 20.00	124.38	BA
Average of Peak Amounts =					0.49200			

QC Flag Legend

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\40GCSJ.i\030618.b\030618050.D

Date : 06-MAR-2018 17:30

Client ID: 1254-CAL3C

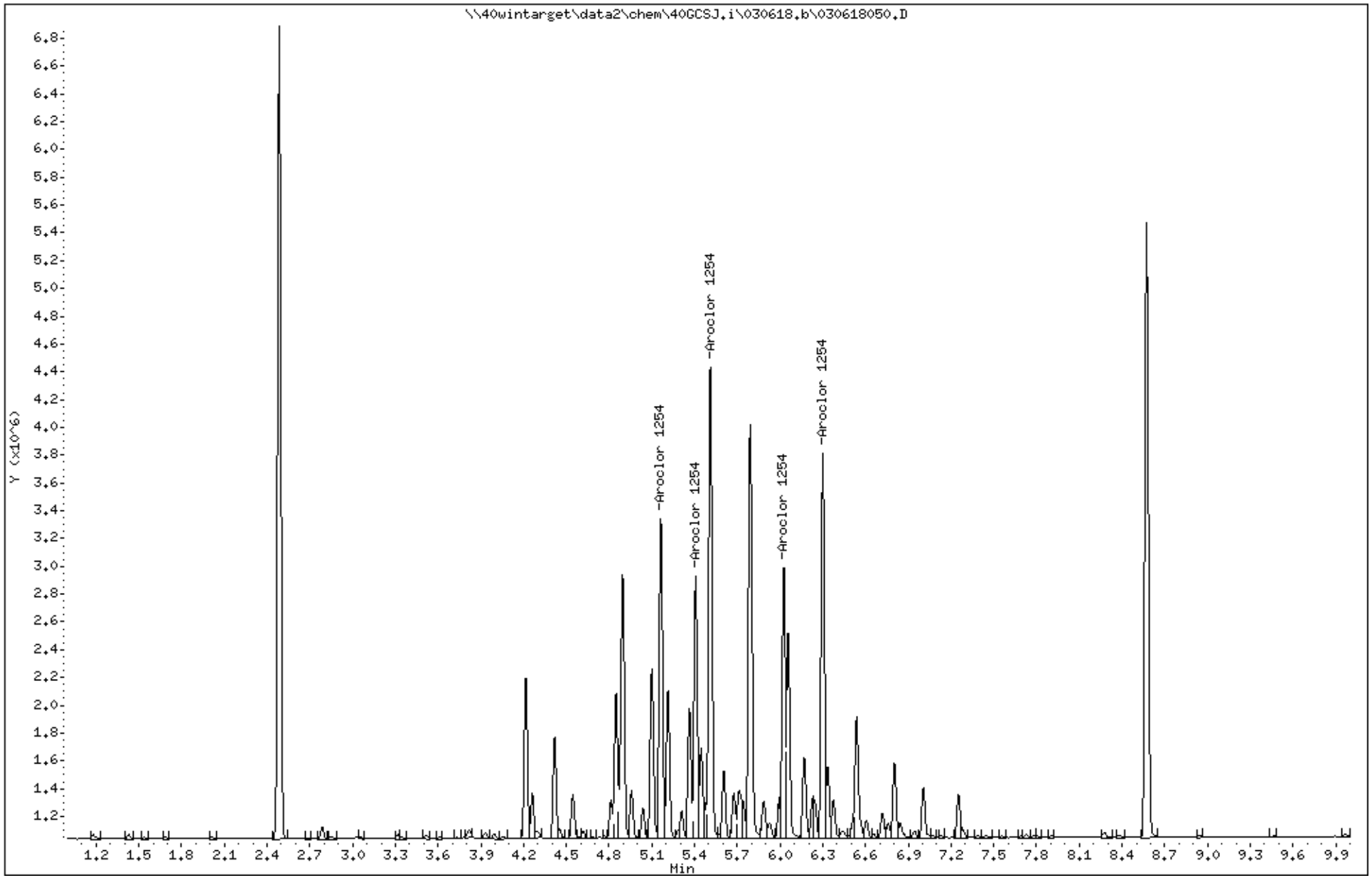
Instrument: 40GCSJ.i

Sample Info: 1254-CAL3C, 185554:1

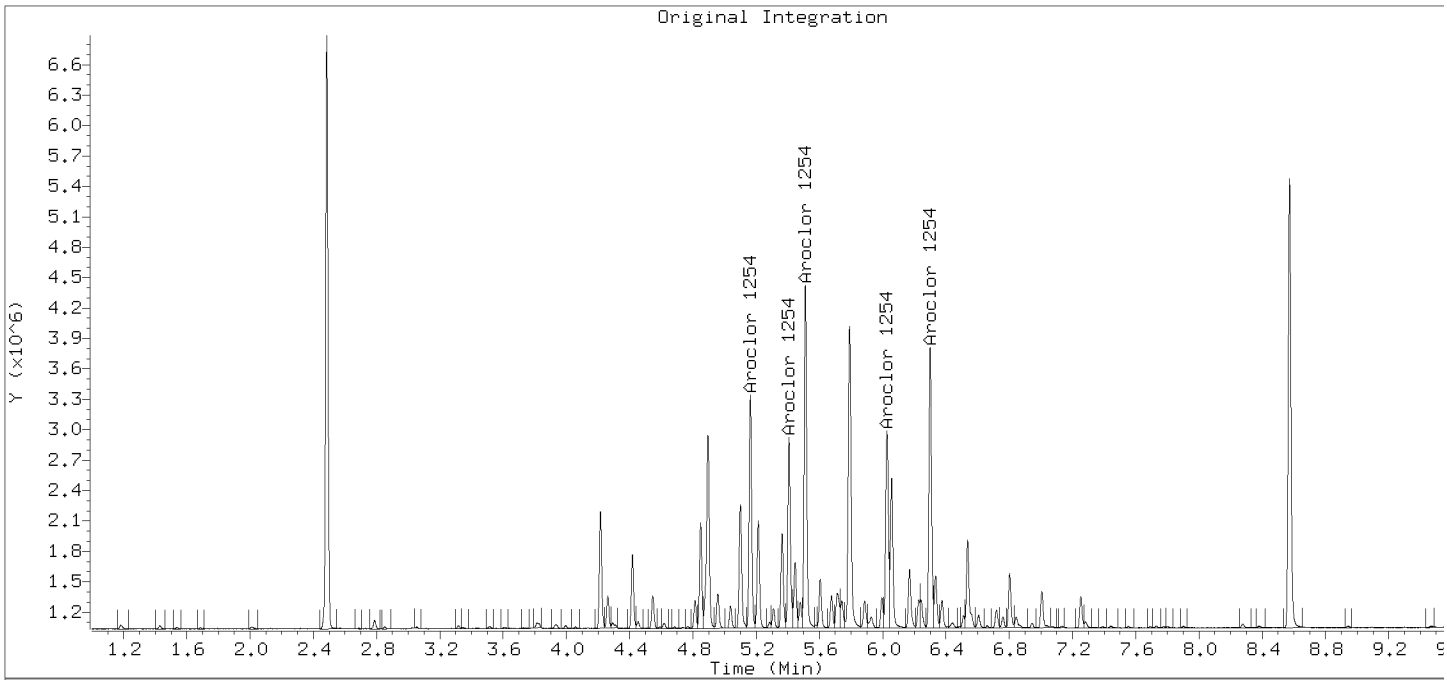
Operator: BLM

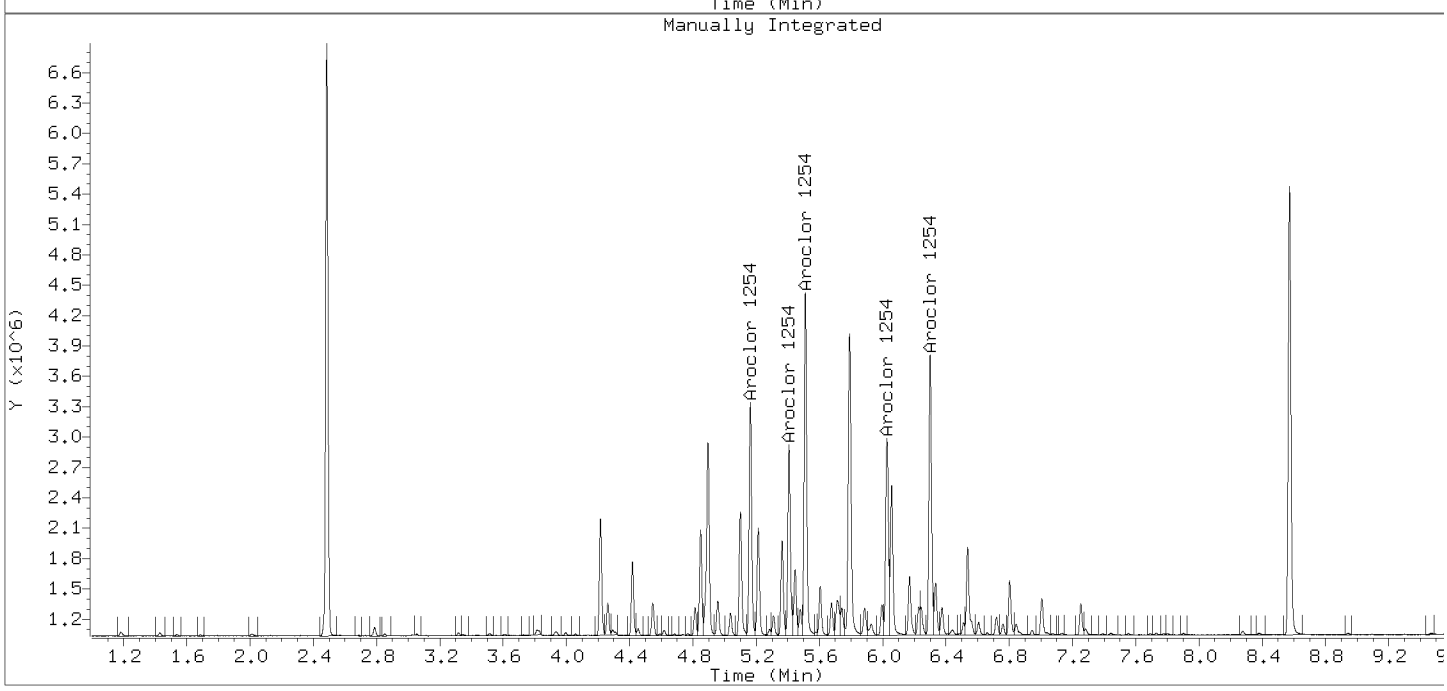
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618050.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:30 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CAL3C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	2551487	2560292	BA
Aroclor 1254	2551487	2560292	BA
Aroclor 1254	2551487	2560292	BA
Aroclor 1254	2551487	2560292	BA
Aroclor 1254	2551487	2560292	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618052.D
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 06-MAR-2018 17:46
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal4c, 185555:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:46 Cal File: 030618052.D
Als bottle: 27 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
1.181	20338	17643	0.867	0.02		
1.428	65922	60336	0.915	0.07		
1.538	31776	24460	0.770	0.03		
2.485	11777090	11571932	0.983	14.42		
2.787	164077	161759	0.986	0.19		
2.852	35610	28522	0.801	0.04		
3.052	34848	31099	0.892	0.04		
3.318	49721	48315	0.972	0.05		
3.345	27672	27798	1.005	0.03		
3.434	12631	8647	0.685	0.01		
3.512	47159	33510	0.711	0.05		
3.609	31888	32717	1.026	0.03		
3.732	12093	11883	0.983	0.01		
3.757	10828	11345	1.048	0.01		
3.814	107287	73196	0.682	0.12		
3.934	94015	65238	0.694	0.11		
3.996	37751	35743	0.947	0.04		
4.059	25966	21513	0.829	0.03		
4.136	10670	12088	1.133	0.01		
4.215	1826293	1728963	0.947	2.16		
4.262	495863	484615	0.977	0.58		
4.293	82438	62200	0.755	0.09		
4.418	1148007	1108250	0.965	1.35		
4.454	124829	105675	0.847	0.14		
4.545	520797	506348	0.972	0.61		
4.592	22494	21617	0.961	0.02		
4.617	91512	86993	0.951	0.10		
4.682	29611	23905	0.807	0.03		
4.738	13639	11326	0.830	0.01		
4.768	31653	29681	0.938	0.03		
4.813	436264	431646	0.989	0.51		
4.848	1661944	1593892	0.959	1.96		
4.895	3639982	2884202	0.792	4.30		
4.958	608805	546410	0.898	0.72		
5.038	362095	340028	0.939	0.42		
5.100	2123049	1825949	0.860	2.51		
5.163	3886482	3507162	0.902	4.59	7 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.213	1776836	1628217	0.916	2.10	
5.284	96560	90819	0.941	0.11	
5.309	325641	297506	0.914	0.38	
5.364	1556302	1425397	0.916	1.84	
5.407	3251705	3006981	0.925	3.84	7 Aroclor 1254
5.446	1124584	1040705	0.925	1.33	
5.479	401904	378797	0.943	0.47	
5.510	5821617	5399486	0.927	6.88	7 Aroclor 1254
5.575	58238	53397	0.917	0.06	
5.604	831473	749483	0.901	0.98	
5.676	530127	502418	0.948	0.62	
5.713	822568	545715	0.663	0.97	
5.742	512983	417833	0.815	0.60	
5.791	5870686	4701193	0.801	6.94	
5.885	522465	412152	0.789	0.61	
5.927	275865	173515	0.629	0.32	
5.994	487921	462752	0.948	0.57	
6.027	3710616	3100778	0.836	4.38	7 Aroclor 1254
6.057	2650507	2221374	0.838	3.13	
6.169	1066850	928060	0.870	1.26	
6.228	444612	436676	0.982	0.52	
6.243	480121	416542	0.868	0.56	
6.300	4897868	4117516	0.841	5.79	7 Aroclor 1254
6.334	897566	789045	0.879	1.06	
6.374	507098	430542	0.849	0.59	
6.441	124903	73312	0.587	0.14	
6.487	27937	25771	0.922	0.03	
6.510	183907	185808	1.010	0.21	
6.536	1677948	1278798	0.762	1.98	
6.605	242982	201019	0.827	0.28	
6.661	41322	38186	0.924	0.04	
6.719	331298	275607	0.832	0.39	
6.758	194741	175185	0.900	0.23	
6.802	936736	798625	0.853	1.10	
6.844	260030	171830	0.661	0.30	
6.907	13593	12018	0.884	0.01	
6.942	85729	72281	0.843	0.10	
7.006	675731	578164	0.856	0.79	
7.077	32184	26109	0.811	0.03	
7.122	28643	17643	0.616	0.03	
7.253	534471	485017	0.907	0.63	
7.282	121561	99258	0.817	0.14	
7.331	10539	7109	0.675	0.01	
7.390	27785	21939	0.790	0.03	
7.442	42859	32217	0.752	0.05	
7.555	39938	25488	0.638	0.04	
7.691	21961	21683	0.987	0.02	
7.727	55370	42642	0.770	0.06	
7.799	40475	27058	0.669	0.04	
7.900	38857	28824	0.742	0.04	
8.033	10655	8635	0.810	0.01	
8.277	84696	72245	0.853	0.10	
8.379	22615	16331	0.722	0.02	
8.571	9861374	8409353	0.853	11.66	
8.942	30130	19515	0.648	0.03	
9.085	14868	10676	0.718	0.01	
9.470	49128	26719	0.544	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.961	49432	33887	0.686	0.05	
	84540213	74622457		100.000	

Total unknown % area = 74

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618052.D
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 06-MAR-2018 17:46
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal4c, 185555:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:46 Cal File: 030618052.D
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor 1254					CAS #: 11097-69-1			
5.162	5.162	0.000	3886481	0.80000	0.74	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	3251705	0.80000	0.76	0.00- 20.00	83.67	BA
5.509	5.510	-0.001	5821617	0.80000	0.75	0.00- 20.00	149.79	BA
6.027	6.027	0.000	3710615	0.80000	0.76	0.00- 20.00	95.47	BA
6.299	6.299	0.000	4897867	0.80000	0.75	0.00- 20.00	126.02	BA
Average of Peak Amounts =					0.75200			

QC Flag Legend

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\40GCSJ.i\030618.b\030618052.D

Date : 06-MAR-2018 17:46

Client ID: 1254-CAL4C

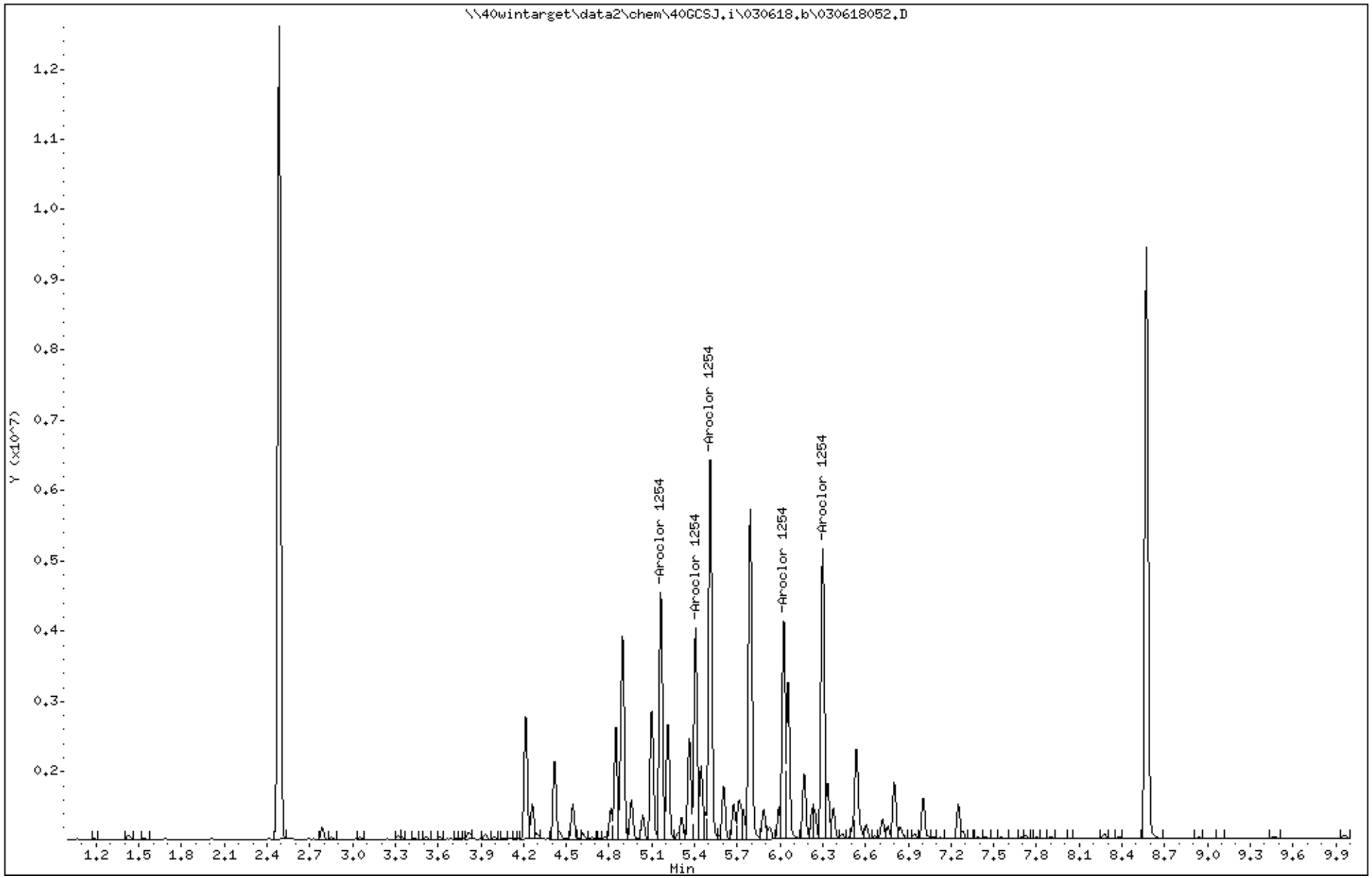
Instrument: 40GCSJ.i

Sample Info: 1254-CAL4C, 185555:1

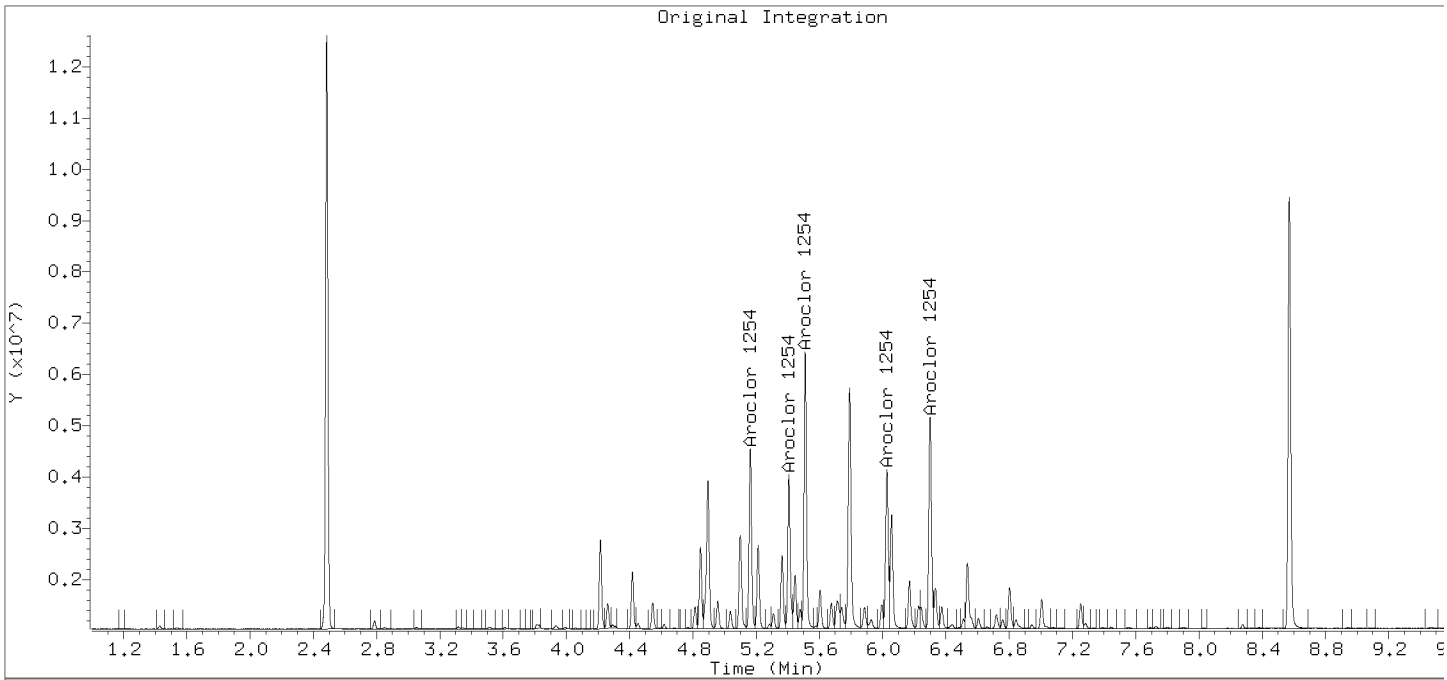
Operator: BLM

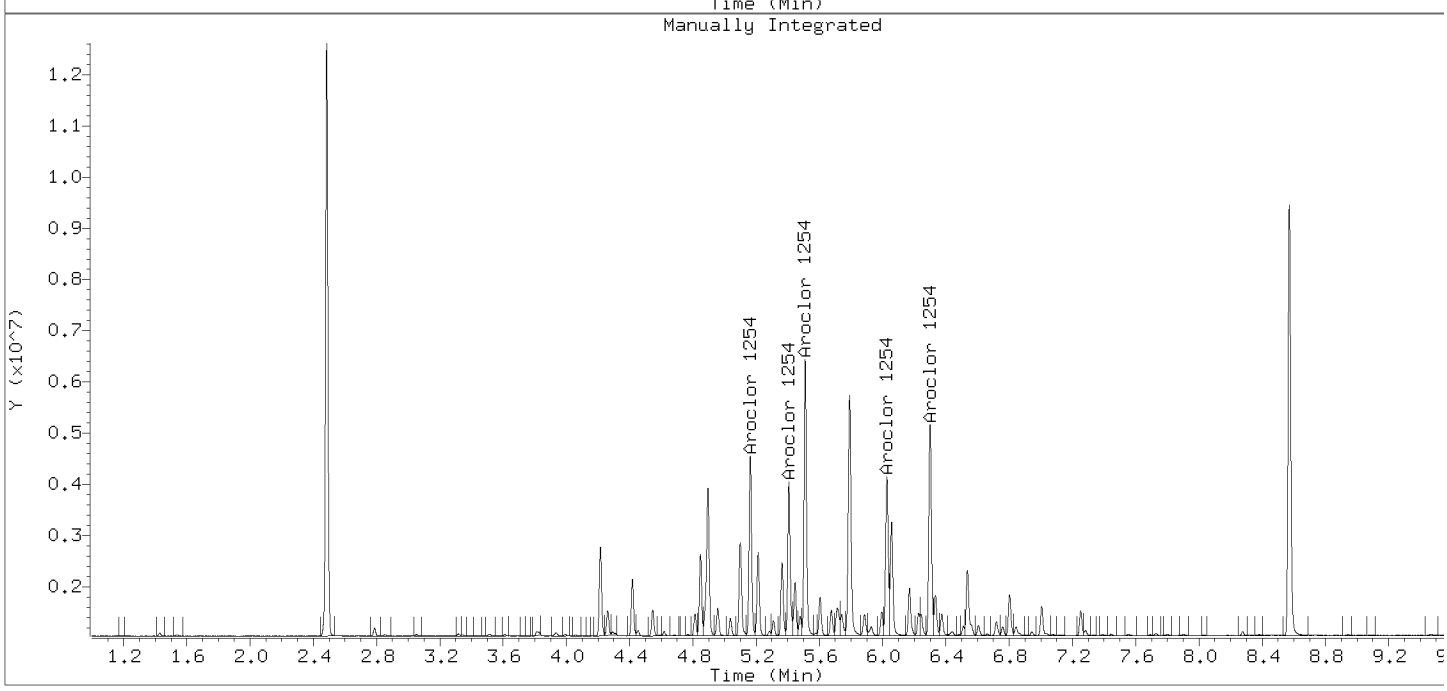
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618052.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:46 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CAL4C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	3881378	3886481	BA
Aroclor 1254	3881378	3886481	BA
Aroclor 1254	3881378	3886481	BA
Aroclor 1254	3881378	3886481	BA
Aroclor 1254	3881378	3886481	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618054.D
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 06-MAR-2018 18:02
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal5c, 185556:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:02 Cal File: 030618054.D
Als bottle: 28 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
1.181	15243	11962	0.785	0.01		
1.428	96747	89041	0.920	0.08		
1.540	40825	35144	0.861	0.03		
1.682	9327	8894	0.954	0.00		
2.008	10288	9685	0.941	0.00		
2.412	10350	7112	0.687	0.00		
2.485	17725886	17260144	0.974	16.66		
2.787	243100	236365	0.972	0.22		
2.851	36673	32993	0.900	0.03		
3.053	49195	43436	0.883	0.04		
3.319	55642	53004	0.953	0.05		
3.344	37001	30263	0.818	0.03		
3.514	61454	41534	0.676	0.05		
3.611	48883	46459	0.950	0.04		
3.734	9700	13664	1.409	0.00		
3.755	14530	9896	0.681	0.01		
3.814	160653	100699	0.627	0.14		
3.935	113785	77754	0.683	0.10		
3.993	48360	45579	0.942	0.04		
4.058	31144	26153	0.840	0.02		
4.136	14642	14082	0.962	0.01		
4.215	2246411	2105306	0.937	2.04		
4.262	624542	621927	0.996	0.56		
4.292	114086	82473	0.723	0.10		
4.418	1403386	1353229	0.964	1.27		
4.453	133440	127351	0.954	0.12		
4.546	635904	613877	0.965	0.57		
4.594	11699	17033	1.456	0.01		
4.617	92187	94751	1.028	0.08		
4.683	32935	28854	0.876	0.03		
4.735	16261	13245	0.815	0.01		
4.770	37428	36501	0.975	0.03		
4.814	542039	547513	1.010	0.49		
4.848	2045079	1950354	0.954	1.86		
4.896	4464777	3447952	0.772	4.07		
4.957	749670	674930	0.900	0.68		
5.037	447740	427307	0.954	0.40		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.100	2603383	2206600	0.848	2.37	
5.163	4761607	4381606	0.920	4.34	7 Aroclor 1254
5.212	2175024	1931040	0.888	1.98	
5.284	116466	109643	0.941	0.10	
5.309	404504	368472	0.911	0.36	
5.364	1900530	1737928	0.914	1.73	
5.407	4016995	3641293	0.906	3.66	7 Aroclor 1254
5.446	1380053	1254397	0.909	1.25	
5.477	506726	475165	0.938	0.46	
5.511	7207531	6391511	0.887	6.57	7 Aroclor 1254
5.577	67153	63150	0.940	0.06	
5.605	1023947	924404	0.903	0.93	
5.676	661316	643905	0.974	0.60	
5.714	1030048	680082	0.660	0.93	
5.740	635529	535004	0.842	0.57	
5.792	7230180	5601138	0.775	6.59	
5.886	645954	520462	0.806	0.58	
5.927	344827	212793	0.617	0.31	
5.995	613062	588236	0.960	0.55	
6.027	4591491	3986858	0.868	4.18	7 Aroclor 1254
6.056	3223664	2733295	0.848	2.93	
6.169	1328008	1109796	0.836	1.21	
6.228	1042954	573707	0.550	0.95	
6.300	6047377	5045174	0.834	5.51	7 Aroclor 1254
6.334	1117787	991343	0.887	1.01	
6.375	640740	547643	0.855	0.58	
6.437	148401	91961	0.620	0.13	
6.511	228443	228993	1.002	0.20	
6.537	2072914	1543722	0.745	1.89	
6.605	305742	240734	0.787	0.27	
6.662	54744	45287	0.827	0.04	
6.719	410032	340851	0.831	0.37	
6.759	242534	215295	0.888	0.22	
6.803	1169372	1018756	0.871	1.06	
6.844	311718	214607	0.688	0.28	
6.945	110710	91840	0.830	0.10	
7.006	832801	710785	0.853	0.75	
7.076	39055	35215	0.902	0.03	
7.124	42412	24716	0.583	0.03	
7.253	667072	625157	0.937	0.60	
7.283	149721	120610	0.806	0.13	
7.392	31016	25016	0.807	0.02	
7.444	53853	38361	0.712	0.04	
7.554	43717	29353	0.671	0.03	
7.693	32182	28611	0.889	0.02	
7.731	75133	56693	0.755	0.06	
7.801	54585	36993	0.678	0.04	
7.902	45857	33249	0.725	0.04	
8.278	123330	103442	0.839	0.11	
8.379	26036	20581	0.790	0.02	
8.572	14526385	12123277	0.835	13.24	
8.943	32605	19326	0.593	0.02	
9.087	19995	15238	0.762	0.01	
9.471	36056	22732	0.630	0.03	
9.962	37005	22458	0.607	0.03	
	109671291	95714970		100.000	

Total unknown % area = 76

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618054.D
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 06-MAR-2018 18:02
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-cal5c, 185556:1
Misc Info : 17498,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:02 Cal File: 030618054.D
Als bottle: 28 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NSAR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor 1254					CAS #: 11097-69-1			
5.163	5.162	0.001	4761607	1.00000	0.91	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	4016994	1.00000	0.93	0.00- 20.00	84.36	BA
5.510	5.510	0.000	7207530	1.00000	0.93	0.00- 20.00	151.37	BA
6.027	6.027	0.000	4591491	1.00000	0.94	0.00- 20.00	96.43	BA
6.299	6.299	0.000	6047377	1.00000	0.93	0.00- 20.00	127.00	BA
Average of Peak Amounts =					0.92800			

QC Flag Legend

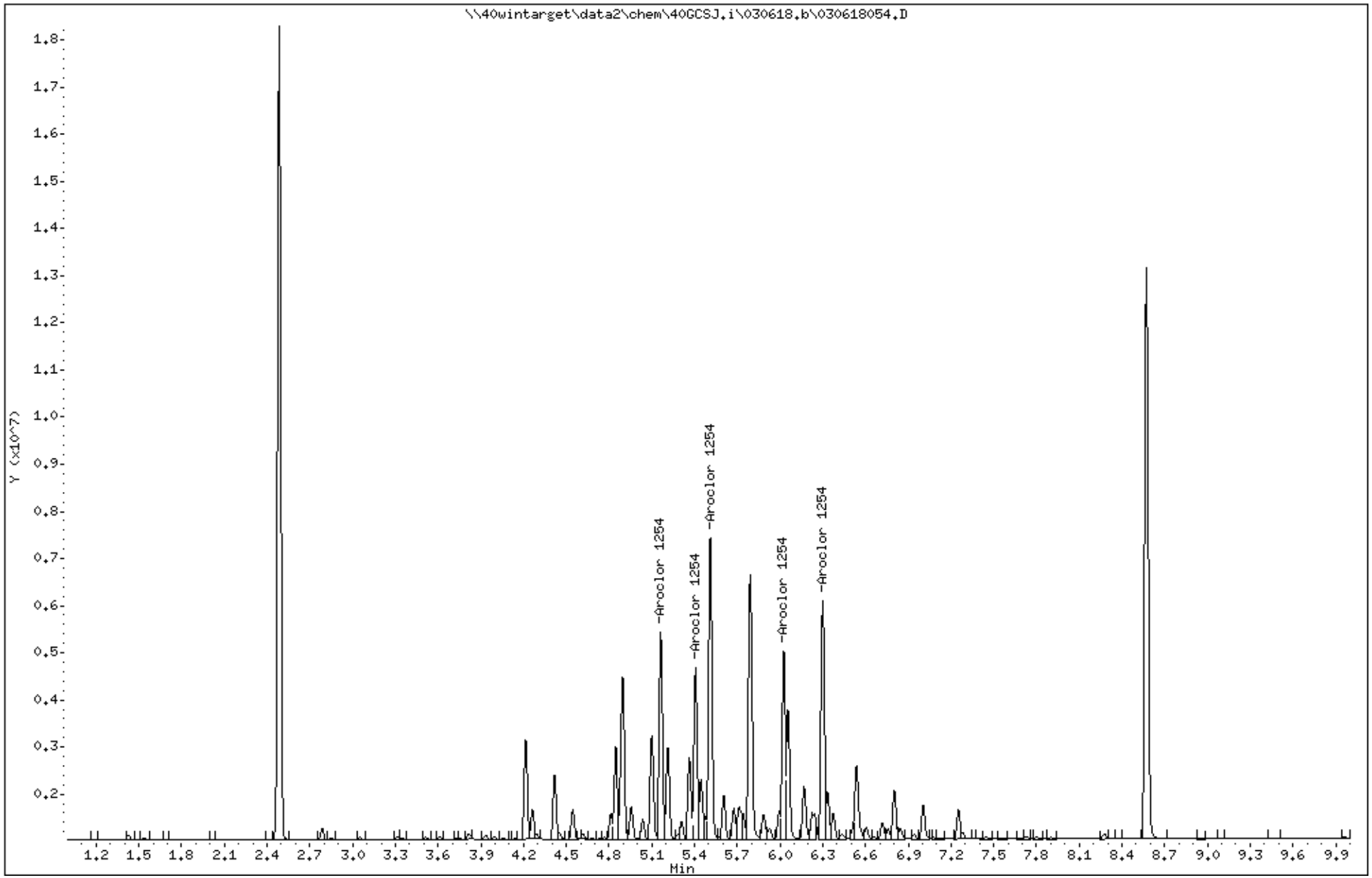
M - Compound response manually integrated.

Review Codes Legend

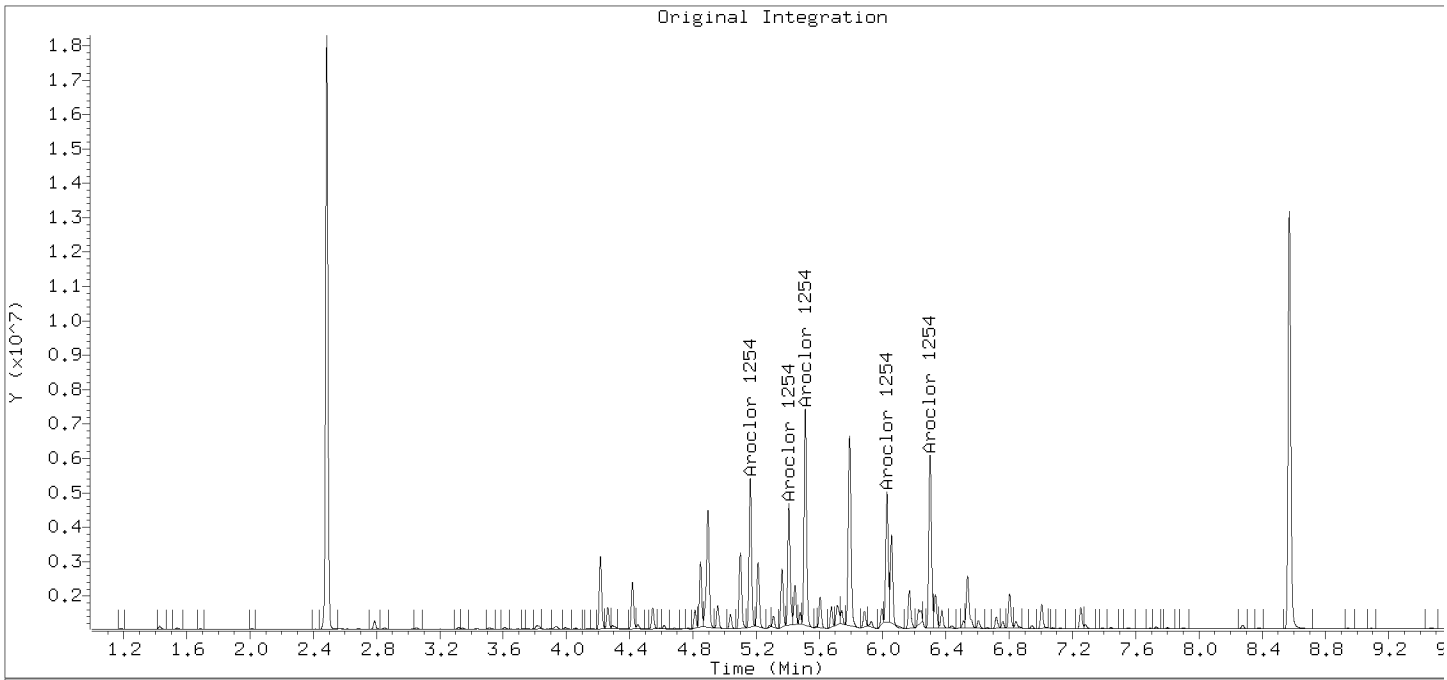
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

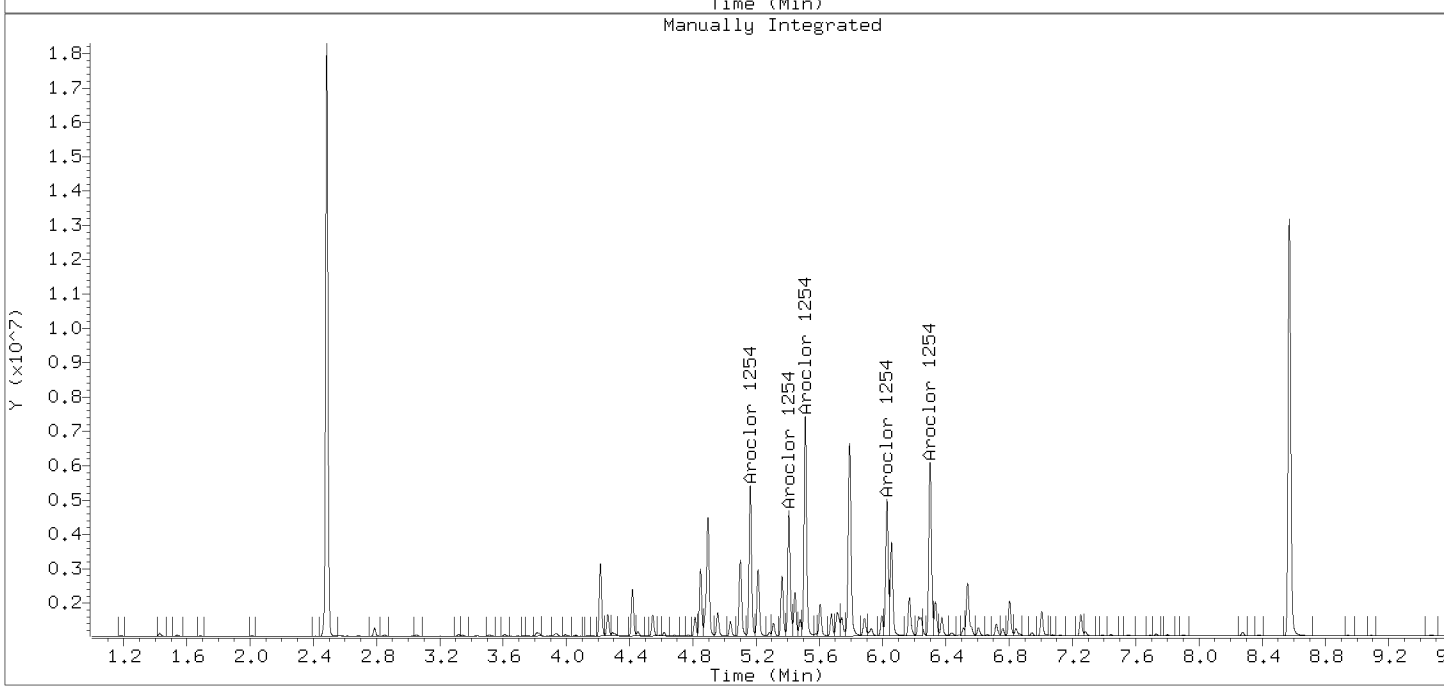
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618054.D
Date : 06-MAR-2018 18:02
Client ID: 1254-CAL5C
Sample Info: 1254-CAL5C, 185556:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618054.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 18:02 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CAL5C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	4578985	4761607	BA
Aroclor 1254	4578985	4761607	BA
Aroclor 1254	4578985	4761607	BA
Aroclor 1254	4578985	4761607	BA
Aroclor 1254	4578985	4761607	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618058.D
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 06-MAR-2018 18:34
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal1a, 188136:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:34 Cal File: 030618058.D
Als bottle: 30 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
1.184	75769	59956	0.791	0.39		
1.428	18267	12499	0.684	0.09		
1.686	19257	17034	0.885	0.10		
2.010	41793	33612	0.804	0.22		
2.405	34035	25626	0.753	0.17		
2.485	1265501	1240700	0.980	7.14	$ 2 Tetrachloro-m-xylene	
2.687	45905	38796	0.845	0.24		
2.791	69017	64076	0.928	0.36		
2.850	244595	230348	0.942	1.29		
3.030	26125	23948	0.917	0.13		
3.053	41274	35596	0.862	0.21		
3.319	334670	316544	0.946	1.76	5 Aroclor 1016	BA
3.345	198504	179987	0.907	1.04		
3.434	61488	51551	0.838	0.32		
3.514	336132	236249	0.703	1.77	5 Aroclor 1016	BA
3.732	87942	87307	0.993	0.46		
3.756	56569	52611	0.930	0.29		
3.827	961910	568396	0.591	5.07	5 Aroclor 1016	BA
3.929	407299	336226	0.826	2.14	5 Aroclor 1016	BA
3.995	291299	270962	0.930	1.53	5 Aroclor 1016	BA
4.057	91678	78986	0.862	0.48		
4.137	38165	30755	0.806	0.20		
4.215	245118	232129	0.947	1.29		
4.262	215370	204306	0.949	1.13		
4.294	97069	97854	1.008	0.51		
4.311	121075	108897	0.899	0.63		
4.418	296094	277838	0.938	1.56		
4.452	228098	168917	0.741	1.20		
4.546	376428	345686	0.918	1.98		
4.618	89285	79390	0.889	0.47		
4.725	18650	14732	0.790	0.09		
4.768	15175	13986	0.922	0.08		
4.814	70800	67479	0.953	0.37		
4.847	108064	102590	0.949	0.57		
4.895	365187	264463	0.724	1.92		
4.959	28108	18371	0.654	0.14		
5.037	24776	19872	0.802	0.13		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.100	75151	62358	0.830	0.39	
5.163	285696	262413	0.919	1.50	
5.214	17586	14232	0.809	0.09	
5.362	21031	19306	0.918	0.11	
5.407	87223	72021	0.826	0.46	
5.479	114689	109517	0.955	0.60	
5.511	195439	178257	0.912	1.03	
5.676	287789	270234	0.939	1.51	
5.710	226208	125913	0.557	1.19	
5.787	739489	648842	0.877	3.90	
5.884	50381	44276	0.879	0.26	
5.931	25620	20410	0.797	0.13	
5.994	121209	109219	0.901	0.63	
6.030	272564	261055	0.958	1.43	
6.056	810958	700847	0.864	4.27	
6.170	497456	309560	0.622	2.62	
6.257	116495	69428	0.596	0.61	
6.300	956999	807332	0.844	5.04	8 Aroclor 1260
6.335	137669	122786	0.892	0.72	
6.372	38735	30140	0.778	0.20	
6.433	122734	90057	0.734	0.64	
6.491	23519	28668	1.219	0.12	
6.511	474348	427351	0.901	2.50	
6.534	82021	92139	1.123	0.43	
6.562	294717	250391	0.850	1.55	
6.608	31351	24800	0.791	0.16	
6.660	93675	84477	0.902	0.49	
6.719	499348	457647	0.916	2.63	
6.760	283474	256610	0.905	1.49	
6.805	227703	192558	0.846	1.20	
6.837	47833	39344	0.823	0.25	
6.867	20777	22616	1.089	0.10	
6.913	37481	33795	0.902	0.19	
6.945	99494	87238	0.877	0.52	
7.006	1074661	952659	0.886	5.66	8 Aroclor 1260
7.034	85801	79294	0.924	0.45	
7.076	39830	29520	0.741	0.21	
7.124	76029	48693	0.640	0.40	
7.253	505238	443533	0.878	2.66	8 Aroclor 1260
7.283	161808	121906	0.753	0.85	
7.368	14051	20223	1.439	0.07	
7.390	249151	219715	0.882	1.31	
7.444	313103	259788	0.830	1.65	8 Aroclor 1260
7.555	28224	19645	0.696	0.14	
7.692	126890	112403	0.886	0.66	
7.727	24298	19768	0.814	0.12	
7.780	47376	23329	0.492	0.24	
7.902	285359	230087	0.806	1.50	8 Aroclor 1260
7.967	28076	18551	0.661	0.14	
8.275	73573	62778	0.853	0.38	
8.382	33580	24066	0.717	0.17	
8.573	1252235	1038307	0.829	6.60	$ 12 Decachlorobiphenyl
8.943	22477	18768	0.835	0.11	
9.467	21684	17832	0.822	0.11	
9.963	27944	21020	0.752	0.14	
	18954741	16115997		100.000	

Total unknown % area = 57

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618058.D
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 06-MAR-2018 18:34
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal1a, 188136:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:34 Cal File: 030618058.D
Als bottle: 30 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.485	2.484	0.001	1265501	0.01000	0.010			
5 Aroclor 1016					CAS #: 12674-11-2			
3.318	3.318	0.000	334670	0.10000	0.11	0.00- 20.00	100.00(M)	BA
3.513	3.512	0.001	336131	0.10000	0.11	0.00- 20.00	100.44	BA
3.826	3.826	0.000	961909	0.10000	0.11	0.00- 20.00	287.42	BA
3.928	3.929	-0.001	407299	0.10000	0.11	0.00- 20.00	121.70	BA
3.995	3.994	0.001	291298	0.10000	0.11	0.00- 20.00	87.04	BA
Average of Peak Amounts =					0.11000			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	956999	0.10000	0.11	0.00- 20.00	100.00(M)	CO
7.006	7.006	0.000	1074661	0.10000	0.11	0.00- 20.00	112.29	CO
7.252	7.251	0.001	505237	0.10000	0.10	0.00- 20.00	52.79	CO
7.444	7.443	0.001	313102	0.10000	0.11	0.00- 20.00	32.72	CO
7.902	7.901	0.001	285359	0.10000	0.11	0.00- 20.00	29.82	CO
Average of Peak Amounts =					0.10800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.572	8.571	0.001	1252234	0.01000	0.011			

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\40GCSJ.i\030618.b\030618058.D

Date : 06-MAR-2018 18:34

Client ID: 1660-CAL1A

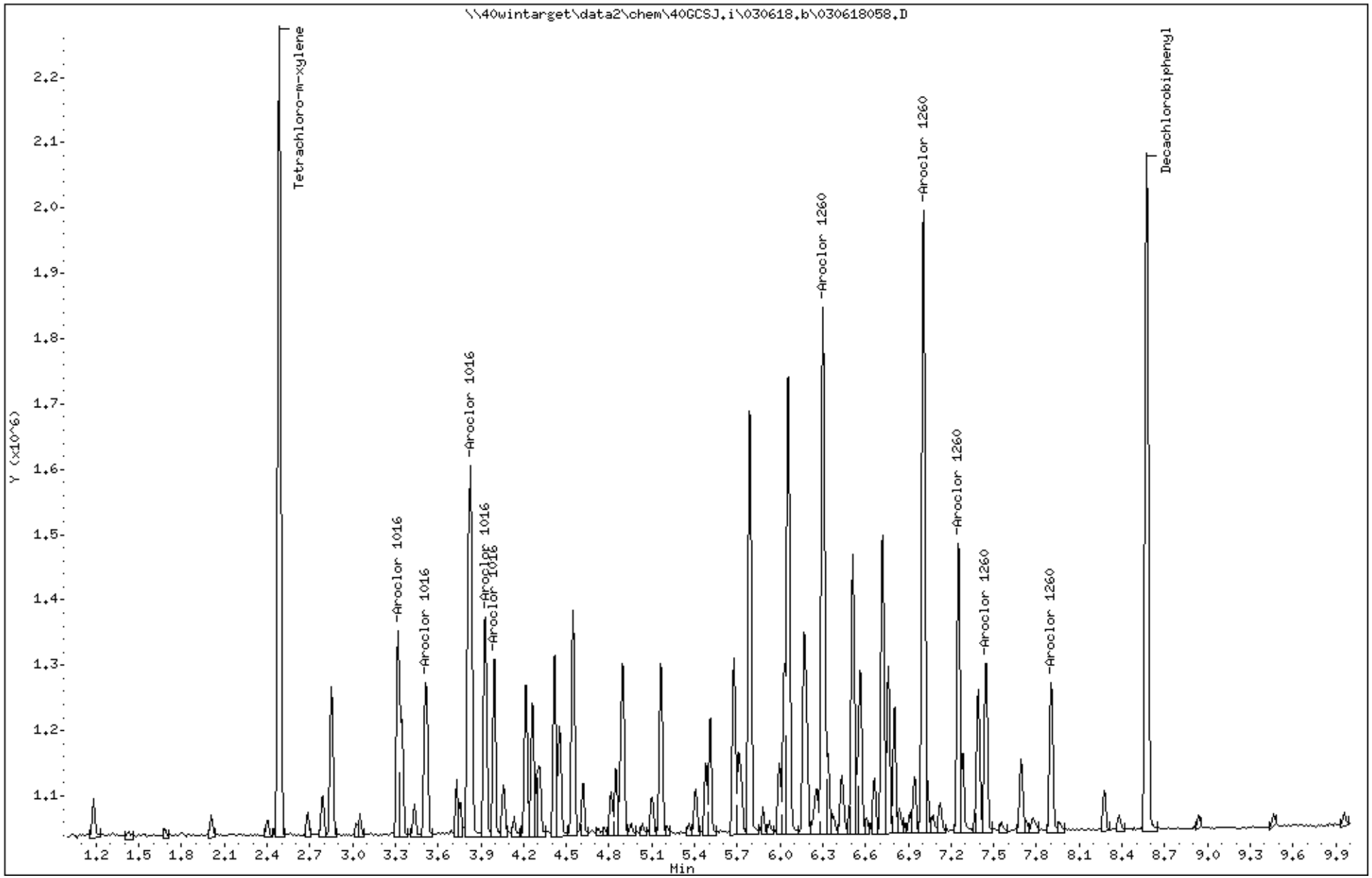
Instrument: 40GCSJ.i

Sample Info: 1660-CAL1A, 188136:1

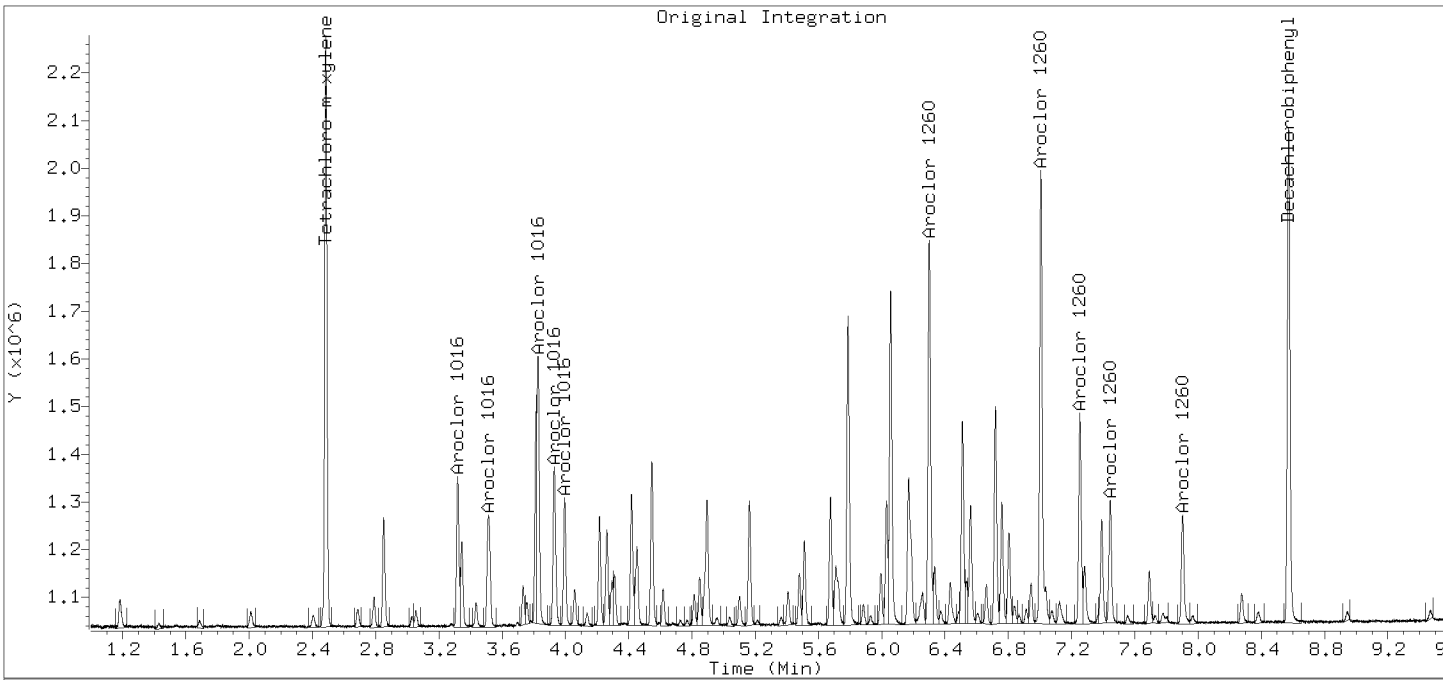
Operator: BLM

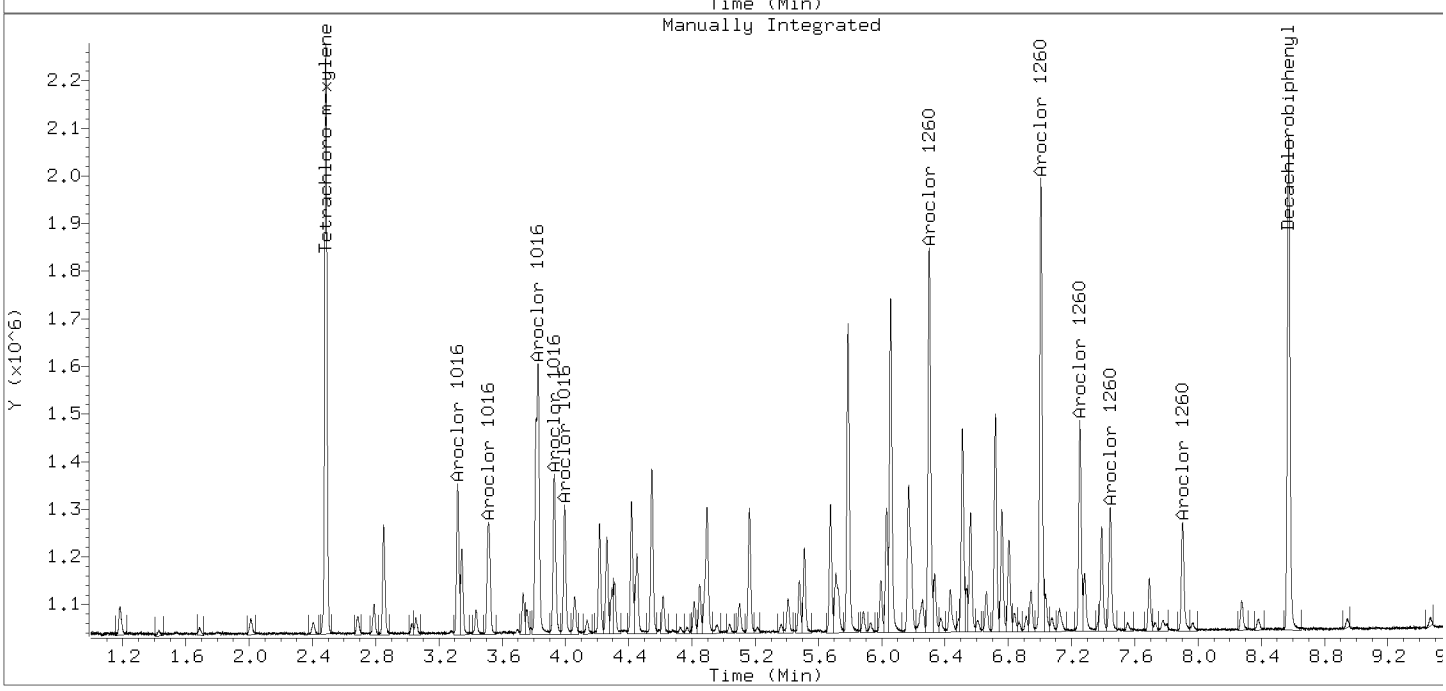
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618058.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 18:34 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL1A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	331398	334670	BA
Aroclor 1016	331398	334670	BA
Aroclor 1016	331398	334670	BA
Aroclor 1016	331398	334670	BA
Aroclor 1016	331398	334670	BA
Aroclor 1260	948946	956999	CO
Aroclor 1260	948946	956999	CO
Aroclor 1260	948946	956999	CO
Aroclor 1260	948946	956999	CO
Aroclor 1260	948946	956999	CO
Tetrachloro-m-xylene	1265501	1265501	
Decachlorobiphenyl	1252234	1252234	

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SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618060.D
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 06-MAR-2018 18:51
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal2a, 185558:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:51 Cal File: 030618060.D
Als bottle: 31 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
1.185	55176	41178	0.746	0.15		
1.429	21015	18585	0.884	0.05		
1.802	12282	8623	0.702	0.03		
2.011	32498	25901	0.797	0.09		
2.404	67139	48192	0.718	0.18		
2.484	2499487	2410686	0.964	7.40	$ 2 Tetrachloro-m-xylene	
2.687	94590	70872	0.749	0.26		
2.789	132356	122708	0.927	0.36		
2.851	469229	448920	0.957	1.30		
3.028	20462	19526	0.954	0.05		
3.054	77836	65563	0.842	0.21		
3.280	13769	10123	0.735	0.03		
3.318	654061	624883	0.955	1.81	5 Aroclor 1016	BA
3.345	373017	342479	0.918	1.03		
3.436	104520	94613	0.905	0.28		
3.513	645015	465357	0.721	1.78	5 Aroclor 1016	BA
3.614	11902	11206	0.942	0.03		
3.697	20307	21558	1.062	0.05		
3.732	166970	164519	0.985	0.46		
3.756	105123	106344	1.012	0.29		
3.827	1858995	1113513	0.599	5.15	5 Aroclor 1016	BA
3.929	794562	664351	0.836	2.20	5 Aroclor 1016	BA
3.995	538852	516167	0.958	1.49	5 Aroclor 1016	BA
4.059	153652	141937	0.924	0.42		
4.137	64387	55721	0.865	0.17		
4.215	463064	450944	0.974	1.28		
4.261	411934	395299	0.960	1.14		
4.293	176764	178584	1.010	0.48		
4.310	214978	205952	0.958	0.59		
4.368	18687	13075	0.700	0.05		
4.417	569211	550417	0.967	1.57		
4.452	428711	317474	0.741	1.18		
4.546	747149	680932	0.911	2.07		
4.617	172002	154821	0.900	0.47		
4.675	18051	11895	0.659	0.05		
4.728	31765	25328	0.797	0.08		
4.768	26719	24282	0.909	0.07		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.814	134761	128509	0.954	0.37	
4.849	207904	199310	0.959	0.57	
4.895	688062	504752	0.734	1.90	
4.955	49261	36191	0.735	0.13	
5.037	41204	35409	0.859	0.11	
5.101	147468	124667	0.845	0.40	
5.163	553608	515848	0.932	1.53	
5.211	28275	23336	0.825	0.07	
5.364	42478	33276	0.783	0.11	
5.406	154225	140226	0.909	0.42	
5.478	222337	212066	0.954	0.61	
5.510	375280	336790	0.897	1.03	
5.676	557330	520345	0.934	1.54	
5.710	420039	227627	0.542	1.16	
5.786	1434098	1216006	0.848	3.97	
5.881	99936	84741	0.848	0.27	
5.931	52909	37411	0.707	0.14	
5.994	236171	220443	0.933	0.65	
6.029	525050	521852	0.994	1.45	
6.055	1579576	1350262	0.855	4.37	
6.170	972431	621038	0.639	2.69	
6.256	228441	130747	0.572	0.63	
6.301	1864709	1458728	0.782	5.16	8 Aroclor 1260
6.335	262275	234816	0.895	0.72	
6.375	82478	55139	0.669	0.22	
6.433	206268	167261	0.811	0.57	
6.487	40545	49125	1.212	0.11	
6.510	932649	849322	0.911	2.58	
6.536	166259	180771	1.087	0.46	
6.561	564443	492928	0.873	1.56	
6.605	64137	48977	0.764	0.17	
6.661	181400	157714	0.869	0.50	
6.719	981159	893423	0.911	2.71	
6.759	544707	485293	0.891	1.50	
6.803	436009	386944	0.887	1.20	
6.839	89543	74514	0.832	0.24	
6.868	45779	37984	0.830	0.12	
6.913	64712	61547	0.951	0.17	
6.943	192241	174196	0.906	0.53	
7.006	2085870	1795515	0.861	5.78	8 Aroclor 1260
7.034	145420	142383	0.979	0.40	
7.075	69040	53643	0.777	0.19	
7.122	116391	79463	0.683	0.32	
7.252	997245	885990	0.888	2.76	8 Aroclor 1260
7.284	293602	234376	0.798	0.81	
7.390	506113	423868	0.837	1.40	
7.444	607583	530361	0.873	1.68	8 Aroclor 1260
7.553	47904	35161	0.734	0.13	
7.692	248075	211779	0.854	0.68	
7.729	41616	33711	0.810	0.11	
7.777	25315	19290	0.762	0.07	
7.800	38231	26898	0.704	0.10	
7.900	543647	451004	0.830	1.50	8 Aroclor 1260
7.966	45855	31122	0.679	0.12	
8.275	140866	122403	0.869	0.39	
8.382	29898	21612	0.723	0.08	
8.572	2284568	1922634	0.842	6.33	$ 12 Decachlorobiphenyl

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.945	25225	17796	0.705	0.06	
9.471	34351	19751	0.575	0.09	
9.964	23512	15629	0.665	0.06	
	36086723	30726451		100.000	

Total unknown % area = 57

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618060.D
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 06-MAR-2018 18:51
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal2a, 185558:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:51 Cal File: 030618060.D
Als bottle: 31 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	2499486	0.02000	0.020			
5 Aroclor 1016					CAS #: 12674-11-2			
3.317	3.318	-0.001	654060	0.20000	0.21	0.00- 20.00	100.00(M)	BA
3.513	3.512	0.001	645015	0.20000	0.21	0.00- 20.00	98.62	BA
3.826	3.826	0.000	1858994	0.20000	0.21	0.00- 20.00	284.22	BA
3.929	3.929	0.000	794562	0.20000	0.21	0.00- 20.00	121.48	BA
3.994	3.994	0.000	538852	0.20000	0.21	0.00- 20.00	82.39	BA
Average of Peak Amounts =					0.21000			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	1864709	0.20000	0.21	0.00- 20.00	100.00(M)	CO
7.006	7.006	0.000	2085870	0.20000	0.21	0.00- 20.00	111.86	CO
7.252	7.251	0.001	997245	0.20000	0.21	0.00- 20.00	53.48	CO
7.443	7.443	0.000	607583	0.20000	0.21	0.00- 20.00	32.58	CO
7.900	7.901	-0.001	543647	0.20000	0.21	0.00- 20.00	29.15	CO
Average of Peak Amounts =					0.21000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.572	8.571	0.001	2284567	0.02000	0.021			

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\40GCSJ.i\030618.b\030618060.D

Date : 06-MAR-2018 18:51

Client ID: 1660-CAL2A

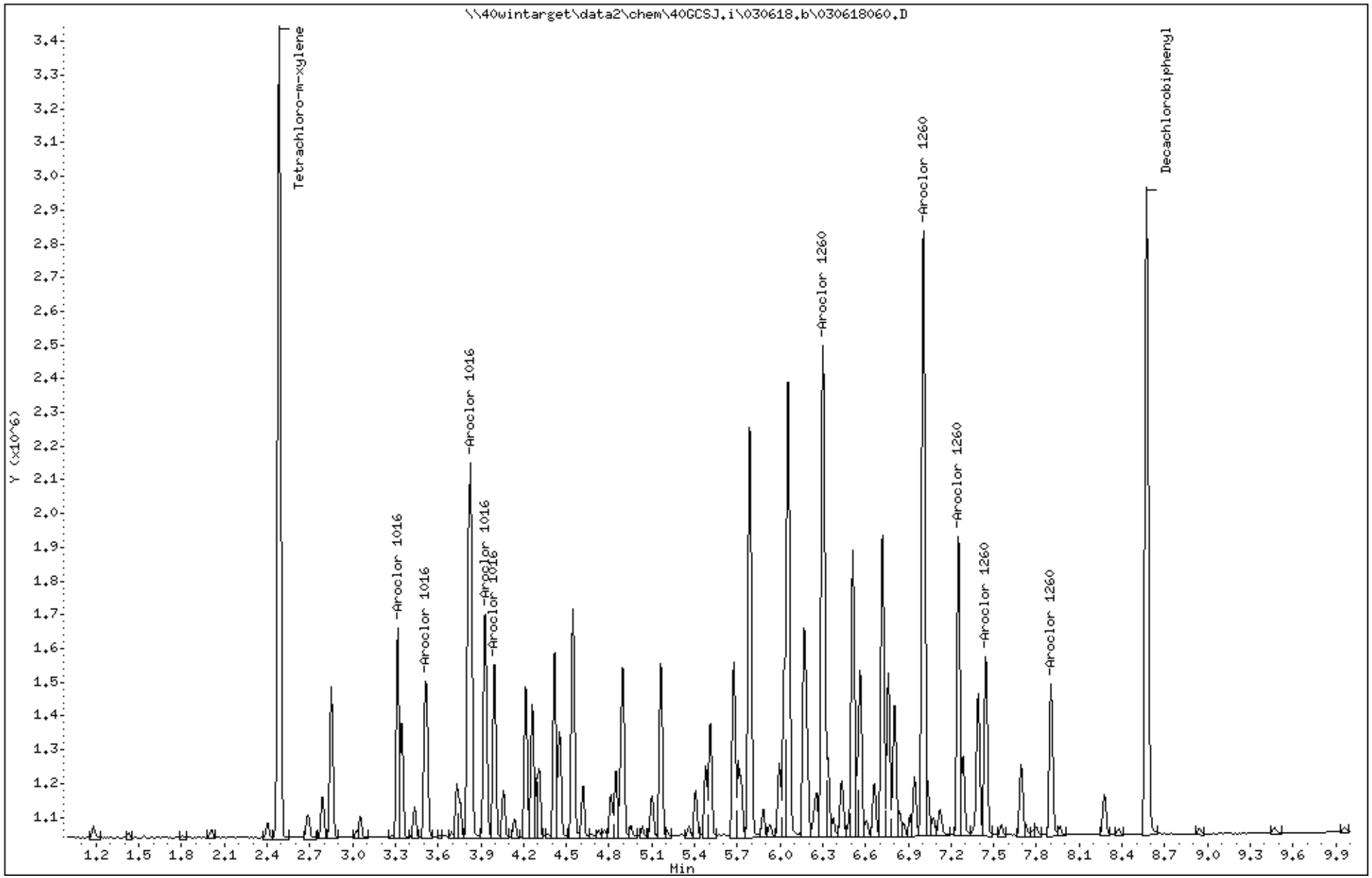
Instrument: 40GCSJ.i

Sample Info: 1660-CAL2A, 185558:1

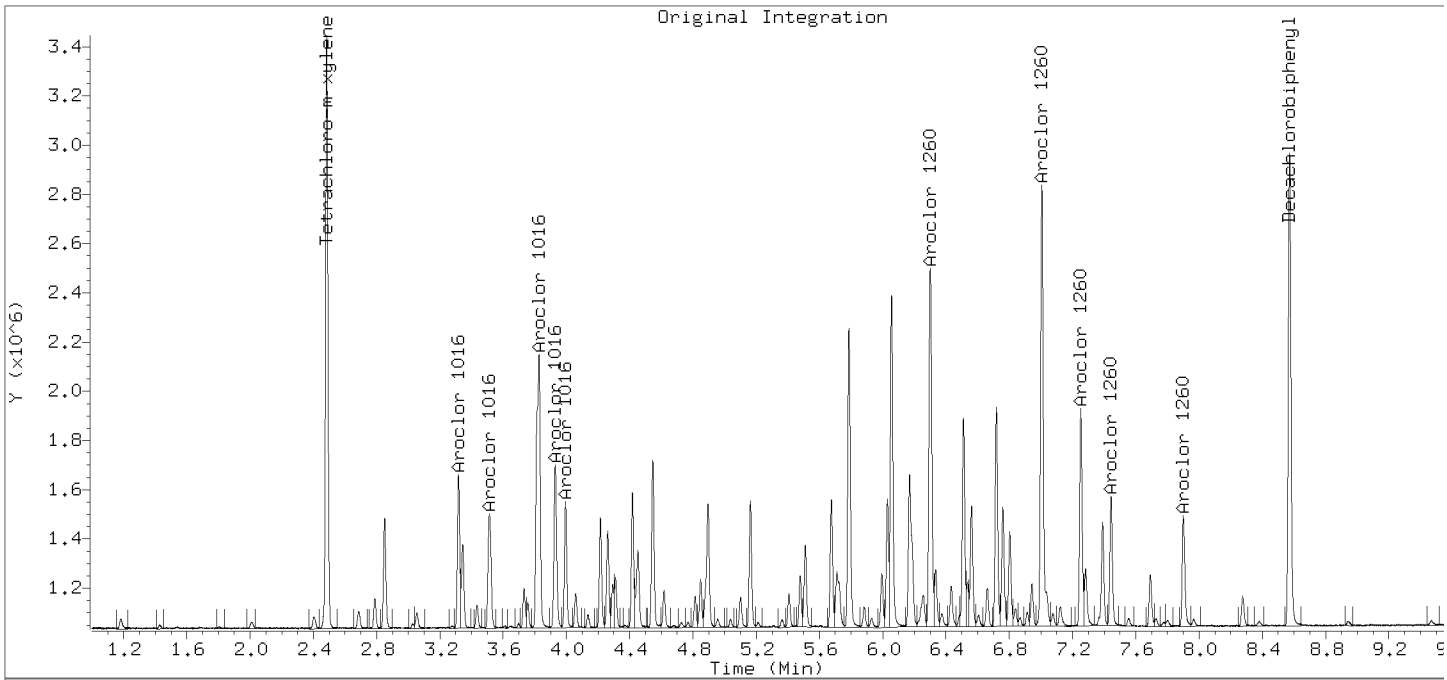
Operator: BLM

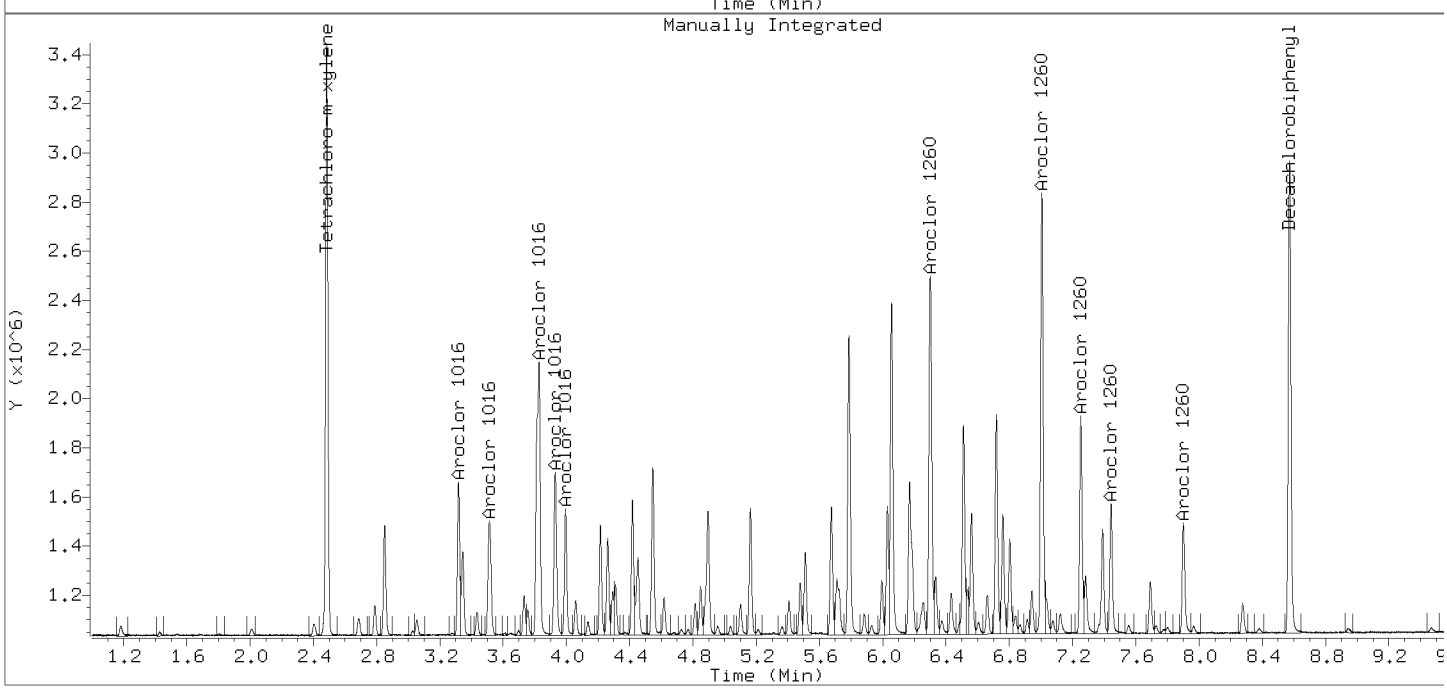
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618060.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 18:51 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL2A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	649890	654060	BA
Aroclor 1016	649890	654060	BA
Aroclor 1016	649890	654060	BA
Aroclor 1016	649890	654060	BA
Aroclor 1016	649890	654060	BA
Aroclor 1260	1856530	1864709	CO
Aroclor 1260	1856530	1864709	CO
Aroclor 1260	1856530	1864709	CO
Aroclor 1260	1856530	1864709	CO
Aroclor 1260	1856530	1864709	CO
Tetrachloro-m-xylene	2499486	2499486	
Decachlorobiphenyl	2284567	2284567	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618062.D
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 06-MAR-2018 19:07
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal3a, 185559:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:30 Cal File: 030618050.D
Als bottle: 32 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
1.182	73481	56448	0.768	0.08		
1.429	38001	32608	0.858	0.04		
1.537	20915	15456	0.739	0.02		
1.685	19161	19298	1.007	0.02		
1.803	18038	14682	0.814	0.02		
2.010	53413	35717	0.669	0.06		
2.404	140743	111047	0.789	0.16		
2.484	6057237	5892667	0.973	7.63	$ 2 Tetrachloro-m-xylene	
2.687	201241	167032	0.830	0.23		
2.789	304363	285330	0.937	0.35		
2.851	1109963	1029461	0.927	1.31		
3.031	24750	24475	0.989	0.02		
3.055	178487	159145	0.892	0.21		
3.278	26481	21063	0.795	0.03		
3.318	1513499	1414991	0.935	1.78	5 Aroclor 1016	BA
3.345	880540	822356	0.934	1.04		
3.434	247038	220109	0.891	0.29		
3.513	1532387	1090208	0.711	1.81	5 Aroclor 1016	BA
3.611	27202	25734	0.946	0.03		
3.647	29738	19736	0.664	0.03		
3.697	43175	42217	0.978	0.05		
3.732	381498	383355	1.005	0.45		
3.756	273430	243142	0.889	0.32		
3.826	4314630	2564491	0.594	5.10	5 Aroclor 1016	BA
3.929	1875063	1563785	0.834	2.21	5 Aroclor 1016	BA
3.994	1275640	1205112	0.945	1.50	5 Aroclor 1016	BA
4.059	356271	321194	0.902	0.42		
4.137	142724	126589	0.887	0.16		
4.215	1091767	1043921	0.956	1.29		
4.261	983477	936778	0.953	1.16		
4.293	419201	426725	1.018	0.49		
4.310	507212	485823	0.958	0.59		
4.372	34974	24662	0.705	0.04		
4.418	1378494	1285521	0.933	1.63		
4.452	991992	777670	0.784	1.17		
4.545	1720081	1585302	0.922	2.03		
4.591	26254	25937	0.988	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.618	390639	352630	0.903	0.46	
4.680	45442	27438	0.604	0.05	
4.728	65437	52451	0.802	0.07	
4.768	60652	53450	0.881	0.07	
4.813	315747	306151	0.970	0.37	
4.848	490062	474651	0.969	0.57	
4.895	1609352	1151281	0.715	1.90	
4.957	109800	84138	0.766	0.12	
5.038	90170	81334	0.902	0.10	
5.101	330531	287340	0.869	0.39	
5.162	1311328	1213988	0.926	1.55	
5.213	62406	49170	0.788	0.07	
5.308	18942	13697	0.723	0.02	
5.364	102693	89831	0.875	0.12	
5.407	358555	326663	0.911	0.42	
5.444	17182	16887	0.983	0.02	
5.478	520000	499018	0.960	0.61	
5.510	901921	830532	0.921	1.06	
5.574	21617	18709	0.865	0.02	
5.607	22890	17618	0.770	0.02	
5.675	1323137	1193469	0.902	1.56	
5.710	966061	548770	0.568	1.14	
5.786	3269149	2832194	0.866	3.86	
5.883	222136	199869	0.900	0.26	
5.929	105245	84776	0.806	0.12	
5.994	562299	517914	0.921	0.66	
6.030	1251900	1210482	0.967	1.48	
6.056	3581989	3121113	0.871	4.23	
6.170	2328780	1484198	0.637	2.75	
6.257	533348	316626	0.594	0.63	
6.300	4328765	3602666	0.832	5.11	8 Aroclor 1260
6.332	635873	554609	0.872	0.75	
6.374	166590	132594	0.796	0.19	
6.433	464363	404511	0.871	0.54	
6.487	99285	119042	1.199	0.11	
6.509	2148304	1882394	0.876	2.54	
6.535	394424	422591	1.071	0.46	
6.561	1341525	1196072	0.892	1.58	
6.604	141409	115102	0.814	0.16	
6.661	417039	383638	0.920	0.49	
6.718	2289697	1970989	0.861	2.70	
6.759	1295745	1116495	0.862	1.53	
6.804	1058424	934717	0.883	1.25	
6.838	199169	171583	0.861	0.23	
6.866	100126	89213	0.891	0.11	
6.912	156733	140038	0.893	0.18	
6.944	453234	417139	0.920	0.53	
7.005	4908203	4291027	0.874	5.80	8 Aroclor 1260
7.035	325498	318921	0.980	0.38	
7.075	167281	127630	0.763	0.19	
7.122	238259	189781	0.797	0.28	
7.252	2360655	2040658	0.864	2.79	8 Aroclor 1260
7.282	691639	556699	0.805	0.81	
7.390	1210833	979598	0.809	1.43	
7.444	1443850	1242584	0.861	1.70	8 Aroclor 1260
7.553	121232	82650	0.682	0.14	
7.691	577449	516541	0.895	0.68	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.728	106585	81318	0.763	0.12	
7.777	24225	28669	1.183	0.02	
7.800	83574	56954	0.681	0.09	
7.901	1312523	1129026	0.860	1.55	8 Aroclor 1260
7.965	102499	75394	0.736	0.12	
8.275	325997	297080	0.911	0.38	
8.377	45903	31430	0.685	0.05	
8.572	5312752	4519291	0.851	6.28	$ 12 Decachlorobiphenyl
8.739	26600	11588	0.436	0.03	
8.943	52533	33251	0.633	0.06	
8.993	10265	8473	0.825	0.01	
9.015	10050	7503	0.747	0.01	
9.470	52157	34850	0.668	0.06	
9.961	54045	36108	0.668	0.06	
	84557281	72306592		100.000	

Total unknown % area = 57

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618062.D
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 06-MAR-2018 19:07
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal3a, 185559:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:30 Cal File: 030618050.D
Als bottle: 32 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	6057237	0.05000	0.049			
5 Aroclor 1016					CAS #: 12674-11-2			
3.317	3.318	-0.001	1513499	0.50000	0.49	0.00- 20.00	100.00(M)	BA
3.512	3.512	0.000	1532387	0.50000	0.49	0.00- 20.00	101.25	BA
3.826	3.826	0.000	4314629	0.50000	0.49	0.00- 20.00	285.08	BA
3.928	3.929	-0.001	1875063	0.50000	0.50	0.00- 20.00	123.89	BA
3.994	3.994	0.000	1275639	0.50000	0.49	0.00- 20.00	84.28	BA
Average of Peak Amounts =					0.49200			
8 Aroclor 1260					CAS #: 11096-82-5			
6.299	6.300	-0.001	4328764	0.50000	0.49	0.00- 20.00	100.00(M)	CO
7.005	7.006	-0.001	4908203	0.50000	0.49	0.00- 20.00	113.39	CO
7.251	7.251	0.000	2360654	0.50000	0.49	0.00- 20.00	54.53	CO
7.443	7.443	0.000	1443849	0.50000	0.50	0.00- 20.00	33.35	CO
7.901	7.901	0.000	1312522	0.50000	0.50	0.00- 20.00	30.32	CO
Average of Peak Amounts =					0.49400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	5312751	0.05000	0.048			

QC Flag Legend

M - Compound response manually integrated.

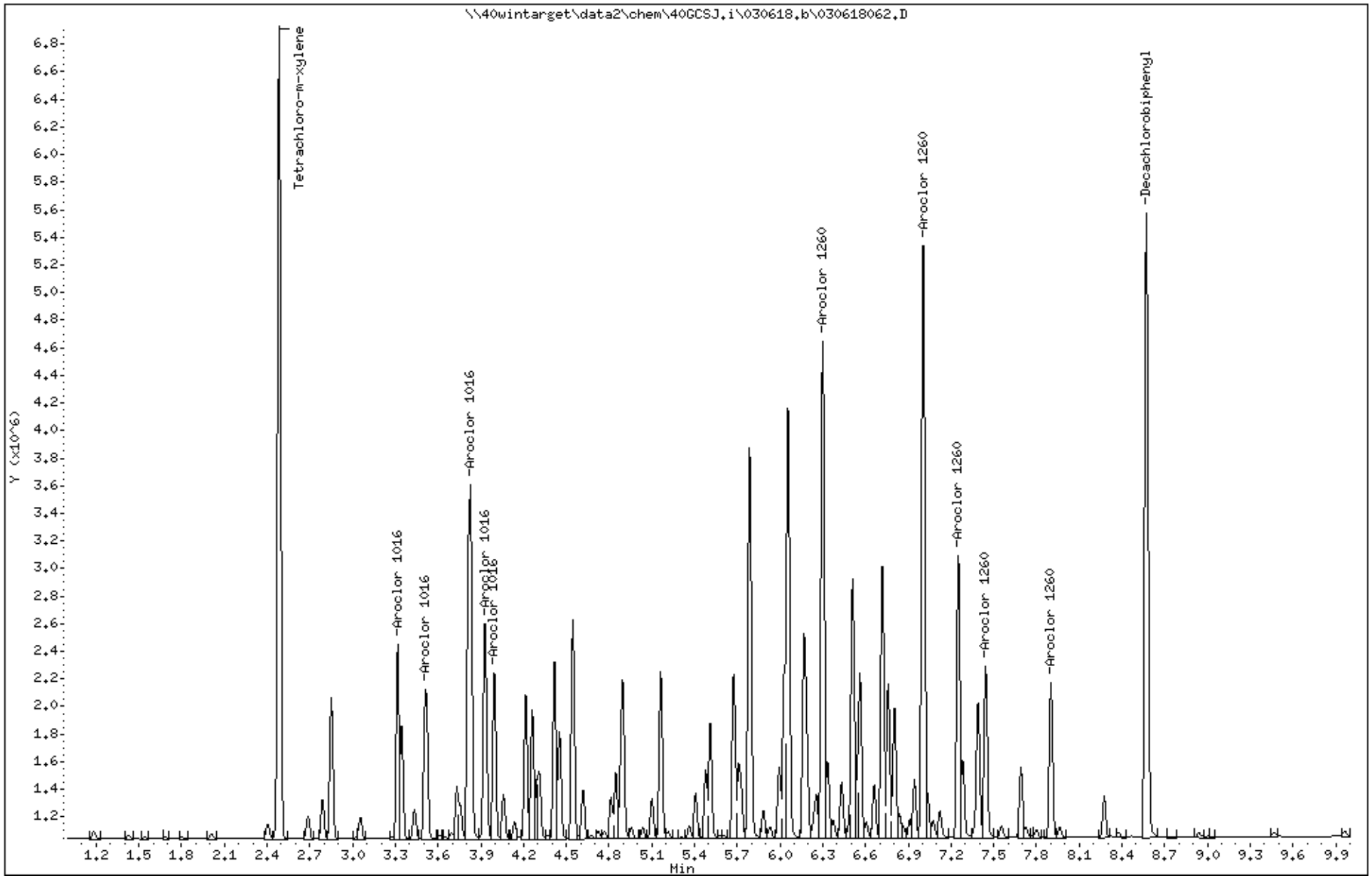
QC Flag Legend

Review Codes Legend

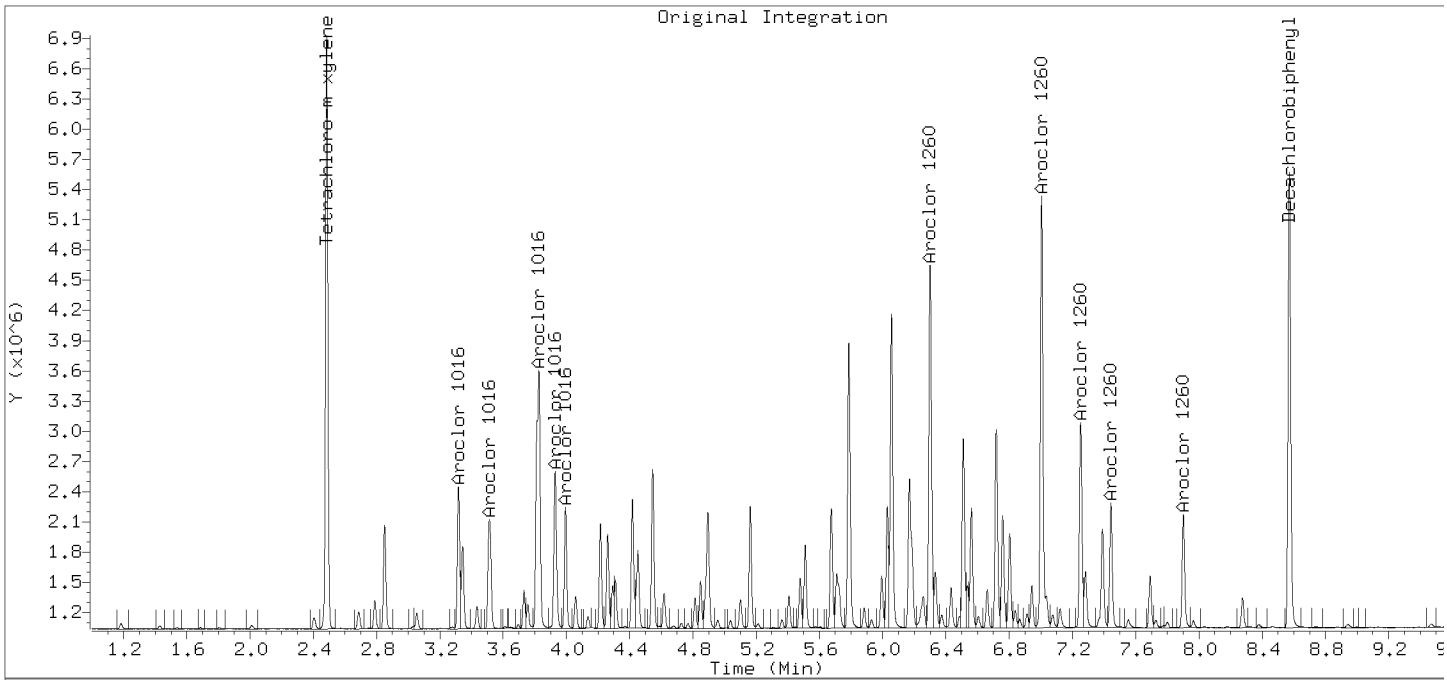
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

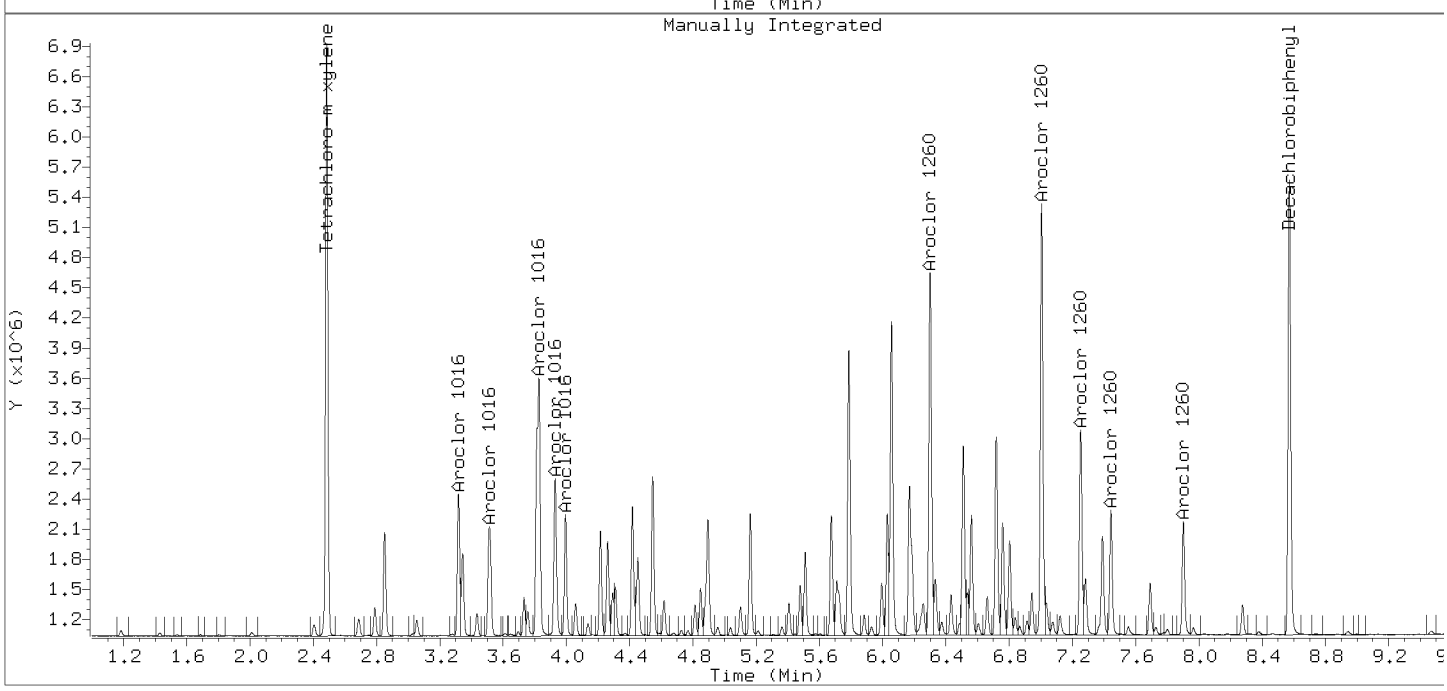
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618062.D
Date : 06-MAR-2018 19:07
Client ID: 1660-CAL3A
Sample Info: 1660-CAL3A, 185559:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618062.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 19:07 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL3A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1506634	1513499	BA
Aroclor 1016	1506634	1513499	BA
Aroclor 1016	1506634	1513499	BA
Aroclor 1016	1506634	1513499	BA
Aroclor 1016	1506634	1513499	BA
Aroclor 1260	4317043	4328764	CO
Aroclor 1260	4317043	4328764	CO
Aroclor 1260	4317043	4328764	CO
Aroclor 1260	4317043	4328764	CO
Aroclor 1260	4317043	4328764	CO
Tetrachloro-m-xylene	6057237	6057237	
Decachlorobiphenyl	5312751	5312751	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618064.D
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 06-MAR-2018 19:23
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal4a, 185560:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618064.D
Als bottle: 33 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
1.183	51048	39743	0.779	0.03		
1.428	67658	59771	0.883	0.05		
1.537	35520	27064	0.762	0.02		
1.684	11345	12242	1.079	0.00		
1.804	26637	21421	0.804	0.01		
2.010	30322	24464	0.807	0.02		
2.405	217693	168016	0.772	0.16		
2.485	12180956	11703129	0.961	9.57	$ 2 Tetrachloro-m-xylene	
2.686	324056	263363	0.813	0.24		
2.788	503381	488978	0.971	0.37		
2.851	1715701	1591093	0.927	1.27		
3.033	12533	16182	1.291	0.00		
3.055	262518	238547	0.909	0.19		
3.277	37151	29842	0.803	0.02		
3.318	2333577	2156053	0.924	1.73	5 Aroclor 1016	BA
3.344	1347877	1252078	0.929	1.00		
3.435	374972	344552	0.919	0.27		
3.513	2362745	1662196	0.704	1.75	5 Aroclor 1016	BA
3.610	37684	33923	0.900	0.02		
3.644	36588	23793	0.650	0.02		
3.697	64716	64546	0.997	0.04		
3.733	614707	615053	1.001	0.45		
3.757	393294	383146	0.974	0.29		
3.827	6746065	3969633	0.588	5.01	5 Aroclor 1016	BA
3.929	2864977	2413896	0.843	2.12	5 Aroclor 1016	BA
3.995	1946759	1862950	0.957	1.44	5 Aroclor 1016	BA
4.059	556550	510919	0.918	0.41		
4.136	217971	201589	0.925	0.16		
4.215	1671721	1557184	0.931	1.24		
4.262	1509426	1424890	0.944	1.12		
4.293	644274	673004	1.045	0.47		
4.310	801855	741139	0.924	0.59		
4.372	46455	38102	0.820	0.03		
4.418	2086121	1916658	0.919	1.55		
4.453	1561367	1168414	0.748	1.16		
4.546	2691796	2429747	0.903	2.00		
4.618	614879	582697	0.948	0.45		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.681	40268	29964	0.744	0.02	
4.726	97409	80777	0.829	0.07	
4.769	84631	79528	0.940	0.06	
4.813	496125	477191	0.962	0.36	
4.848	769915	758419	0.985	0.57	
4.895	2431191	1773420	0.729	1.80	
4.957	158097	128688	0.814	0.11	
5.037	141886	125690	0.886	0.10	
5.100	509908	441468	0.866	0.37	
5.163	1980314	1775935	0.897	1.47	
5.213	95707	77428	0.809	0.07	
5.309	25285	19192	0.759	0.01	
5.364	136686	126726	0.927	0.10	
5.407	557655	538024	0.965	0.41	
5.447	22003	24599	1.118	0.01	
5.478	803193	761709	0.948	0.59	
5.511	1404548	1270014	0.904	1.04	
5.606	31361	23033	0.734	0.02	
5.676	2014749	1859939	0.923	1.49	
5.711	1494302	813162	0.544	1.11	
5.786	4990155	4308283	0.863	3.70	
5.884	340816	299117	0.878	0.25	
5.929	164472	137221	0.834	0.12	
5.994	852561	813094	0.954	0.63	
6.031	1912065	1795299	0.939	1.42	
6.057	5492951	4849840	0.883	4.08	
6.169	3549907	2212097	0.623	2.63	
6.255	812378	476866	0.587	0.60	
6.300	6710843	5584923	0.832	4.98	8 Aroclor 1260
6.334	997961	870632	0.872	0.74	
6.374	242400	190548	0.786	0.18	
6.432	705567	608791	0.863	0.52	
6.487	129043	188452	1.460	0.09	
6.511	3293621	2899546	0.880	2.44	
6.536	647596	661803	1.022	0.48	
6.562	2057795	1823223	0.886	1.52	
6.605	225392	179290	0.795	0.16	
6.661	658391	628771	0.955	0.48	
6.719	3522957	3237666	0.919	2.61	
6.760	1974466	1743981	0.883	1.46	
6.804	1651358	1397674	0.846	1.22	
6.839	305859	257806	0.843	0.22	
6.868	154872	136206	0.879	0.11	
6.913	224919	208551	0.927	0.16	
6.944	715915	663774	0.927	0.53	
7.005	7621579	7030639	0.922	5.66	8 Aroclor 1260
7.036	534386	507176	0.949	0.39	
7.076	240666	196245	0.815	0.17	
7.122	345690	285294	0.825	0.25	
7.222	14224	14841	1.043	0.01	
7.252	3661924	3266511	0.892	2.72	8 Aroclor 1260
7.283	1069136	892362	0.835	0.79	
7.390	1852151	1502868	0.811	1.37	
7.443	2216952	1888648	0.852	1.64	8 Aroclor 1260
7.552	171302	132932	0.776	0.12	
7.692	911316	814697	0.894	0.67	
7.728	156368	125258	0.801	0.11	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.777	11035	17805	1.614	0.00	
7.802	122291	99621	0.815	0.09	
7.901	2009348	1700247	0.846	1.49	8 Aroclor 1260
7.965	142693	115147	0.807	0.10	
8.076	14691	9375	0.638	0.01	
8.277	552327	476813	0.863	0.41	
8.383	35077	22743	0.648	0.02	
8.572	10160226	8786744	0.865	7.55	$ 12 Decachlorobiphenyl
8.945	25819	16899	0.655	0.01	
9.091	15971	14108	0.883	0.01	
9.470	23386	15627	0.668	0.01	
9.964	26995	17470	0.647	0.02	
	134567937	116018447		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618064.D
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 06-MAR-2018 19:23
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal4a, 185560:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618064.D
Als bottle: 33 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	12180955	0.10000	0.099			
5 Aroclor 1016					CAS #: 12674-11-2			
3.317	3.318	-0.001	2333576	0.80000	0.76	0.00- 20.00	100.00(M)	BA
3.512	3.512	0.000	2362744	0.80000	0.76	0.00- 20.00	101.25	BA
3.826	3.826	0.000	6746064	0.80000	0.76	0.00- 20.00	289.09	BA
3.929	3.929	0.000	2864977	0.80000	0.76	0.00- 20.00	122.77	BA
3.995	3.994	0.001	1946758	0.80000	0.75	0.00- 20.00	83.42	BA
Average of Peak Amounts =					0.75800			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	6710842	0.80000	0.76	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	7621578	0.80000	0.76	0.00- 20.00	113.57	BA
7.252	7.251	0.001	3661923	0.80000	0.77	0.00- 20.00	54.57	BA
7.443	7.443	0.000	2216952	0.80000	0.76	0.00- 20.00	33.04	BA
7.901	7.901	0.000	2009347	0.80000	0.76	0.00- 20.00	29.94	BA
Average of Peak Amounts =					0.76200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	10160225	0.10000	0.093			

QC Flag Legend

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\40GCSJ.i\030618.b\030618064.D

Date : 06-MAR-2018 19:23

Client ID: 1660-CAL4A

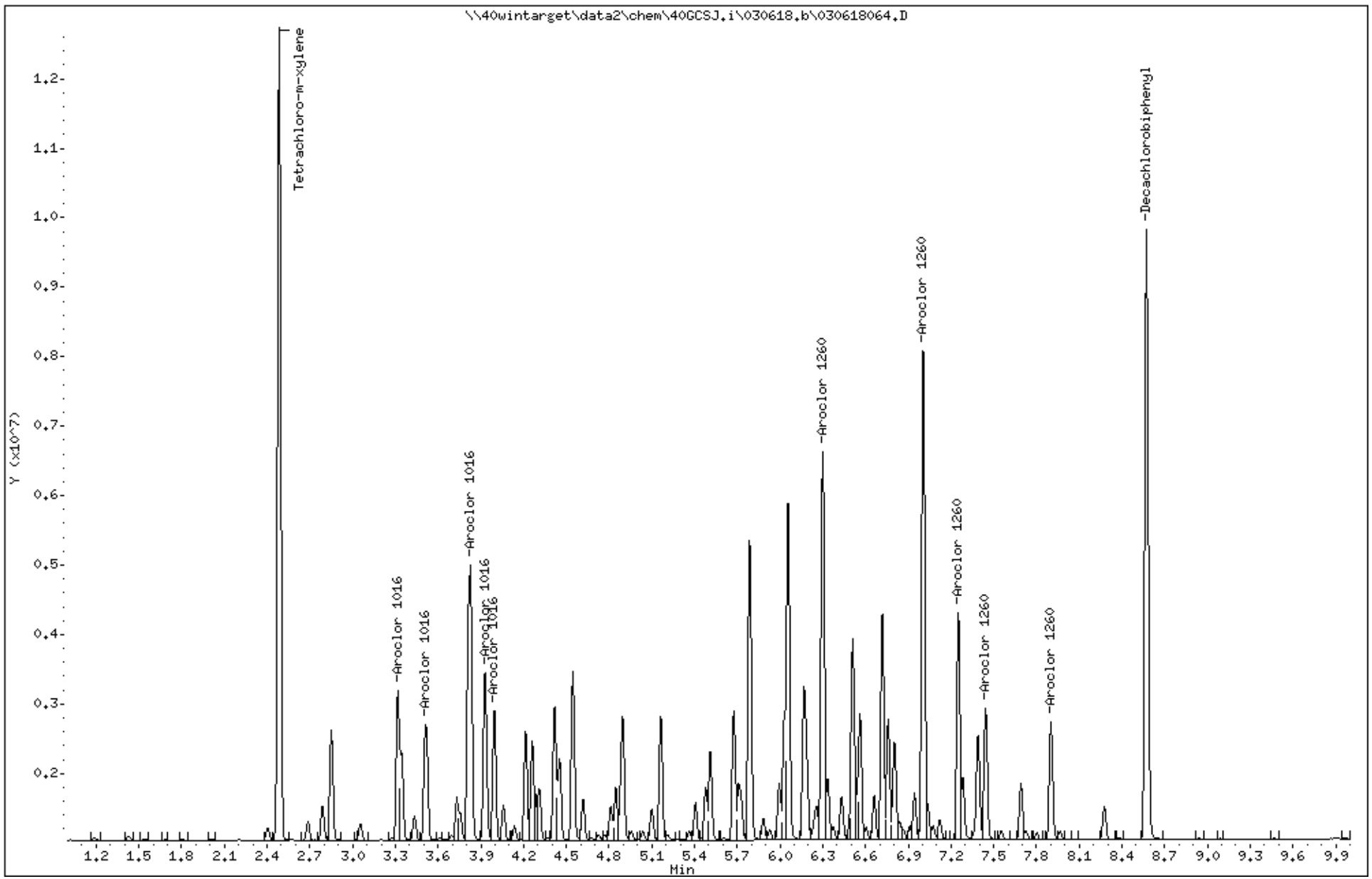
Instrument: 40GCSJ.i

Sample Info: 1660-CAL4A, 185560:1

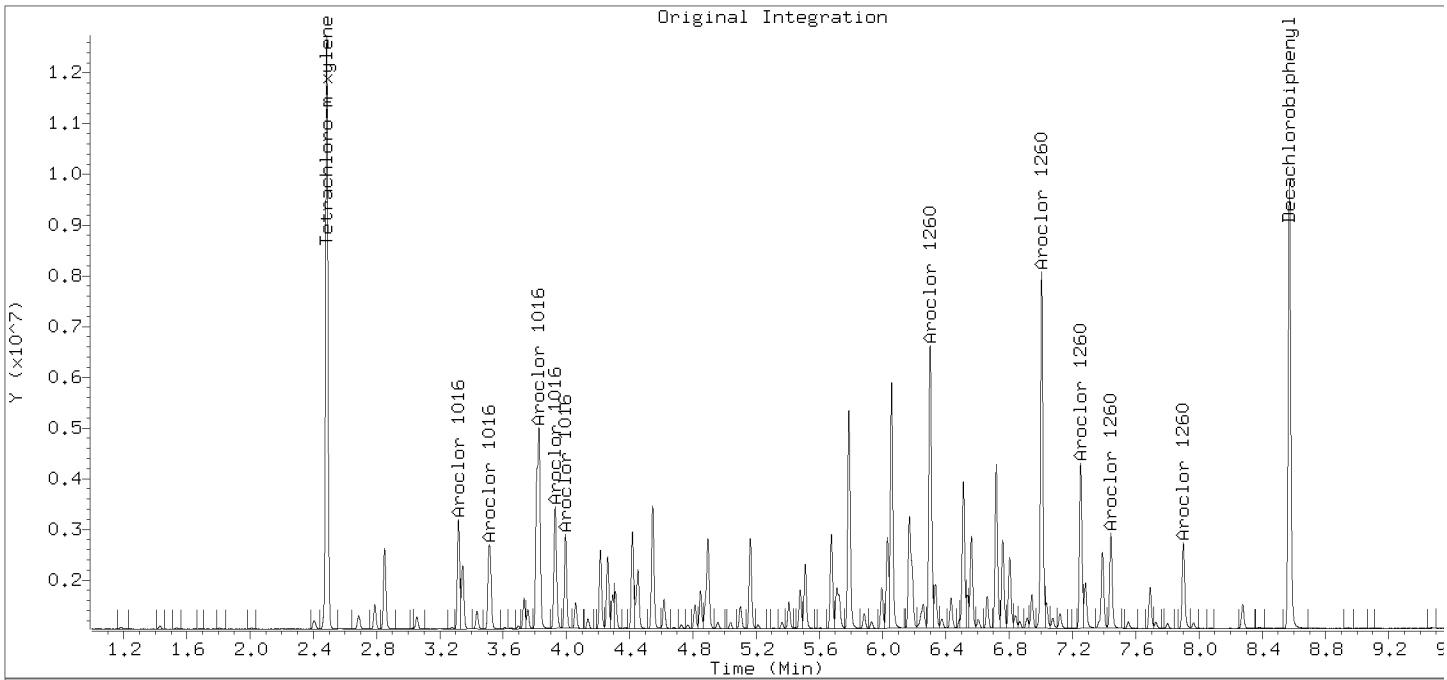
Operator: BLM

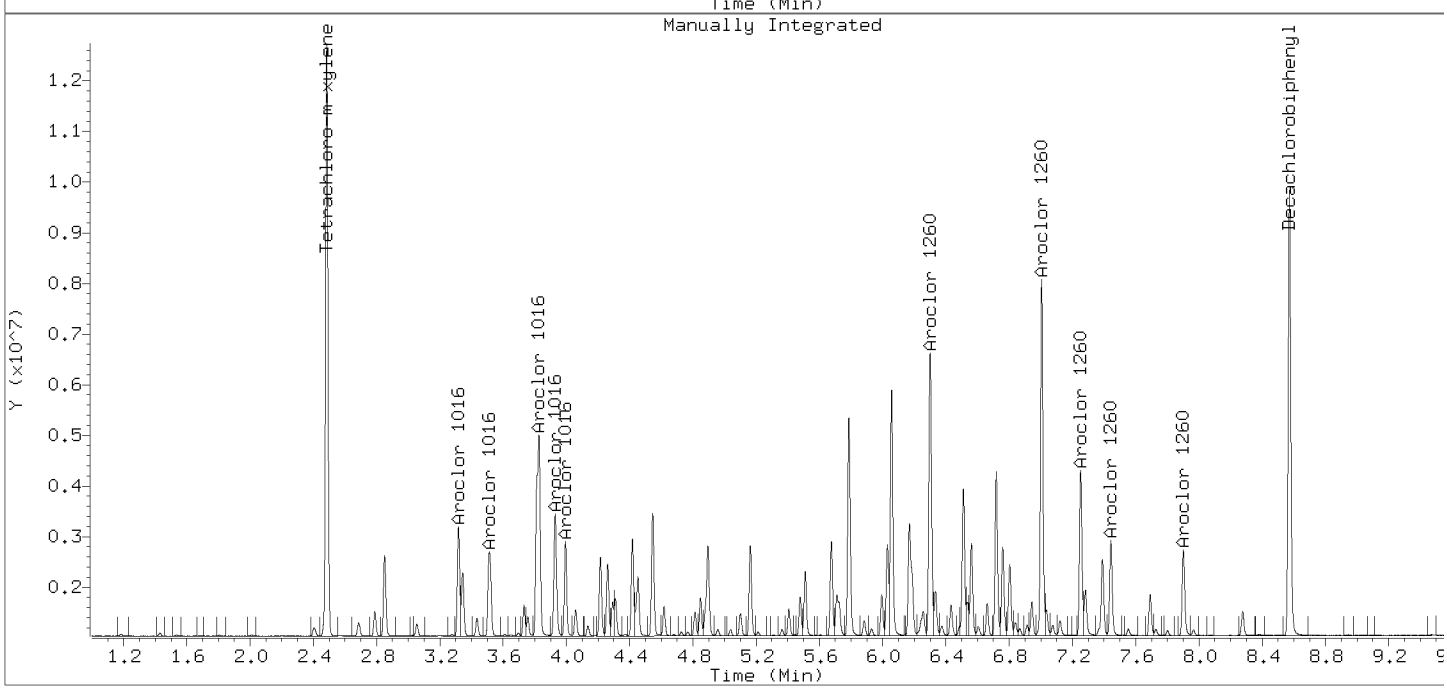
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618064.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 19:23 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL4A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	2324400	2333576	BA
Aroclor 1016	2324400	2333576	BA
Aroclor 1016	2324400	2333576	BA
Aroclor 1016	2324400	2333576	BA
Aroclor 1016	2324400	2333576	BA
Aroclor 1260	6681873	6710842	BA
Aroclor 1260	6681873	6710842	BA
Aroclor 1260	6681873	6710842	BA
Aroclor 1260	6681873	6710842	BA
Aroclor 1260	6681873	6710842	BA
Tetrachloro-m-xylene	12180955	12180955	
Decachlorobiphenyl	10160225	10160225	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618066.D
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 06-MAR-2018 19:39
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal5a, 185561:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 34 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
1.187	97781	71878	0.735	0.05		
1.429	107893	87519	0.811	0.06		
1.538	44327	37507	0.846	0.02		
1.689	14954	14333	0.958	0.00		
1.805	29740	28315	0.952	0.01		
2.010	60528	44274	0.731	0.03		
2.195	10025	8478	0.846	0.00		
2.405	262681	207562	0.790	0.15		
2.485	18299527	17728359	0.969	11.17	$ 2 Tetrachloro-m-xylene	
2.688	390097	317641	0.814	0.22		
2.789	657209	632240	0.962	0.38		
2.851	2084131	1917446	0.920	1.20		
3.030	26436	29009	1.097	0.01		
3.056	320575	297217	0.927	0.18		
3.278	50946	36697	0.720	0.02		
3.318	2843186	2604947	0.916	1.64	5 Aroclor 1016	BA
3.345	1662911	1538320	0.925	0.96		
3.435	468814	430601	0.918	0.27		
3.513	2890424	2043297	0.707	1.67	5 Aroclor 1016	BA
3.609	62043	51821	0.835	0.03		
3.645	34136	30033	0.880	0.01		
3.697	81037	81549	1.006	0.04		
3.732	758995	759602	1.001	0.43		
3.756	489036	474710	0.971	0.28		
3.827	8333033	5039841	0.605	4.83	5 Aroclor 1016	BA
3.929	3523970	2978332	0.845	2.04	5 Aroclor 1016	BA
3.994	2424782	2289525	0.944	1.40	5 Aroclor 1016	BA
4.059	690218	639344	0.926	0.40		
4.137	268754	245577	0.914	0.15		
4.215	2047181	1927649	0.942	1.18		
4.262	1851518	1768522	0.955	1.07		
4.293	812332	825594	1.016	0.47		
4.310	980066	916238	0.935	0.56		
4.372	57766	44143	0.764	0.03		
4.418	2565892	2366938	0.922	1.48		
4.453	1929565	1448450	0.751	1.11		
4.546	3331677	3063380	0.919	1.93		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.617	763681	725726	0.950	0.44	
4.681	43434	35484	0.817	0.02	
4.728	114565	101125	0.883	0.06	
4.768	108255	99422	0.918	0.06	
4.814	619087	601641	0.972	0.35	
4.849	956824	929295	0.971	0.55	
4.895	3006449	2129145	0.708	1.74	
4.958	194324	157336	0.810	0.11	
5.038	174178	158253	0.909	0.10	
5.101	636910	553004	0.868	0.36	
5.163	2438926	2194509	0.900	1.41	
5.212	111384	92369	0.829	0.06	
5.308	27827	26460	0.951	0.01	
5.364	165309	157324	0.952	0.09	
5.408	704023	646364	0.918	0.40	
5.443	29112	28546	0.981	0.01	
5.479	1000519	928454	0.928	0.57	
5.510	1729074	1534039	0.887	1.00	
5.576	19550	16048	0.821	0.01	
5.604	34848	27975	0.803	0.02	
5.675	2490301	2308914	0.927	1.44	
5.711	1866212	995046	0.533	1.08	
5.787	6185492	5328228	0.861	3.58	
5.883	417579	397243	0.951	0.24	
5.930	202848	167345	0.825	0.11	
5.995	1064293	993125	0.933	0.61	
6.031	2357002	2281362	0.968	1.36	
6.056	6802716	5913555	0.869	3.94	
6.169	4398269	2916854	0.663	2.54	
6.256	1013848	595870	0.588	0.58	
6.299	8372147	6873251	0.821	4.85	8 Aroclor 1260
6.334	1228651	1117268	0.909	0.71	
6.374	310797	237866	0.765	0.18	
6.433	875594	776637	0.887	0.50	
6.486	186696	226162	1.211	0.10	
6.510	4055406	3619288	0.892	2.35	
6.536	804268	870936	1.083	0.46	
6.562	2530676	2228116	0.880	1.46	
6.606	275537	224114	0.813	0.15	
6.660	821602	744134	0.906	0.47	
6.718	4363168	3923038	0.899	2.52	
6.759	2436592	2160749	0.887	1.41	
6.804	2046255	1732909	0.847	1.18	
6.840	379385	321813	0.848	0.21	
6.866	193686	163537	0.844	0.11	
6.913	279672	253923	0.908	0.16	
6.943	893745	829547	0.928	0.51	
7.006	9552528	8232909	0.862	5.53	8 Aroclor 1260
7.036	634159	627991	0.990	0.36	
7.075	290251	237040	0.817	0.16	
7.122	440812	358276	0.813	0.25	
7.222	14569	17676	1.213	0.00	
7.252	4561710	4033993	0.884	2.64	8 Aroclor 1260
7.283	1317583	1086644	0.825	0.76	
7.390	2273253	1907971	0.839	1.31	
7.444	2747730	2350698	0.856	1.59	8 Aroclor 1260
7.554	205956	170355	0.827	0.11	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.692	1143671	1008027	0.881	0.66	
7.728	196307	160265	0.816	0.11	
7.778	26925	26862	0.998	0.01	
7.801	147398	123041	0.835	0.08	
7.901	2485127	2093291	0.842	1.44	8 Aroclor 1260
7.966	182440	138184	0.757	0.10	
8.071	16818	11151	0.663	0.00	
8.276	710759	618559	0.870	0.41	
8.379	47324	33393	0.706	0.02	
8.572	15073641	13074115	0.867	8.73	$ 12 Decachlorobiphenyl
8.944	40002	27870	0.697	0.02	
9.088	20422	15432	0.756	0.01	
9.469	45604	27683	0.607	0.02	
9.964	44216	30829	0.697	0.02	
	172514109	148782492		100.000	

Total unknown % area = 52

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618066.D
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 06-MAR-2018 19:39
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-cal5a, 185561:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 34 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.485	2.484	0.001	18299526	0.15000	0.15			
5 Aroclor 1016						CAS #: 12674-11-2		
3.318	3.318	0.000	2843185	1.00000	0.92	0.00- 20.00	100.00(M)	BA
3.512	3.512	0.000	2890423	1.00000	0.93	0.00- 20.00	101.66	BA
3.826	3.826	0.000	8333033	1.00000	0.94	0.00- 20.00	293.09	BA
3.928	3.929	-0.001	3523970	1.00000	0.93	0.00- 20.00	123.94	BA
3.994	3.994	0.000	2424781	1.00000	0.93	0.00- 20.00	85.28	BA
Average of Peak Amounts =					0.93000			
8 Aroclor 1260						CAS #: 11096-82-5		
6.299	6.300	-0.001	8372147	1.00000	0.94	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	9552528	1.00000	0.95	0.00- 20.00	114.10	BA
7.251	7.251	0.000	4561709	1.00000	0.95	0.00- 20.00	54.49	BA
7.443	7.443	0.000	2747730	1.00000	0.94	0.00- 20.00	32.82	BA
7.900	7.901	-0.001	2485127	1.00000	0.94	0.00- 20.00	29.68	BA
Average of Peak Amounts =					0.94400			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.571	8.571	0.000	15073640	0.15000	0.14			

QC Flag Legend

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\40GCSJ.i\030618.b\030618066.D

Date : 06-MAR-2018 19:39

Client ID: 1660-CAL5A

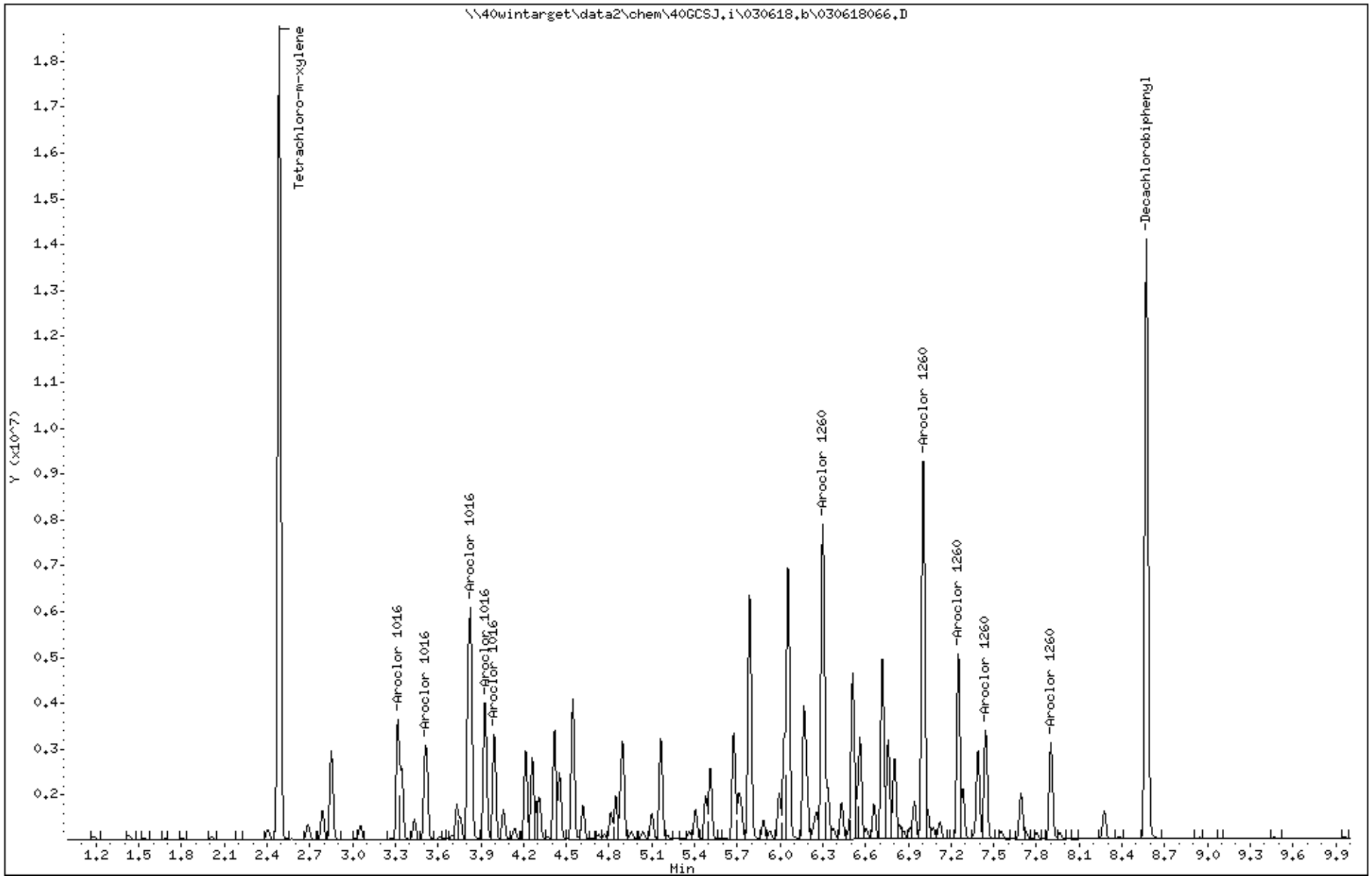
Instrument: 40GCSJ.i

Sample Info: 1660-CAL5A, 185561:1

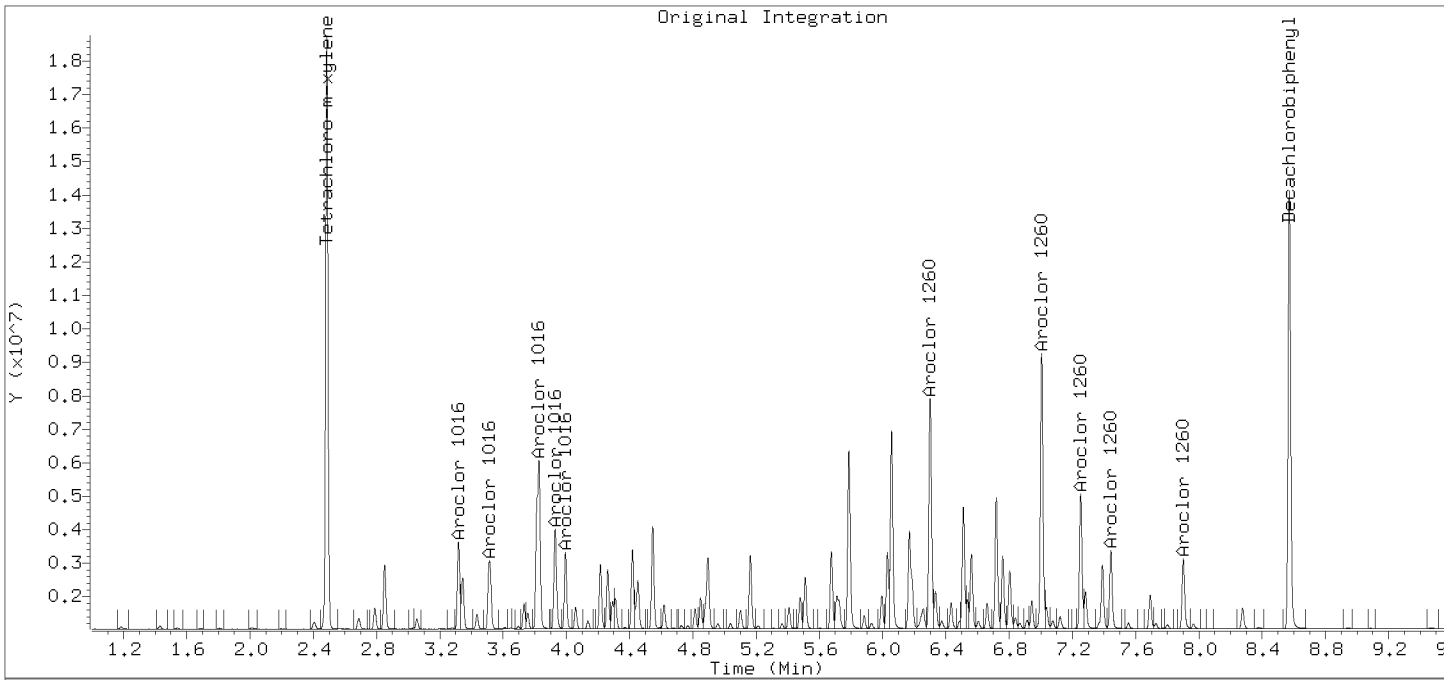
Operator: BLM

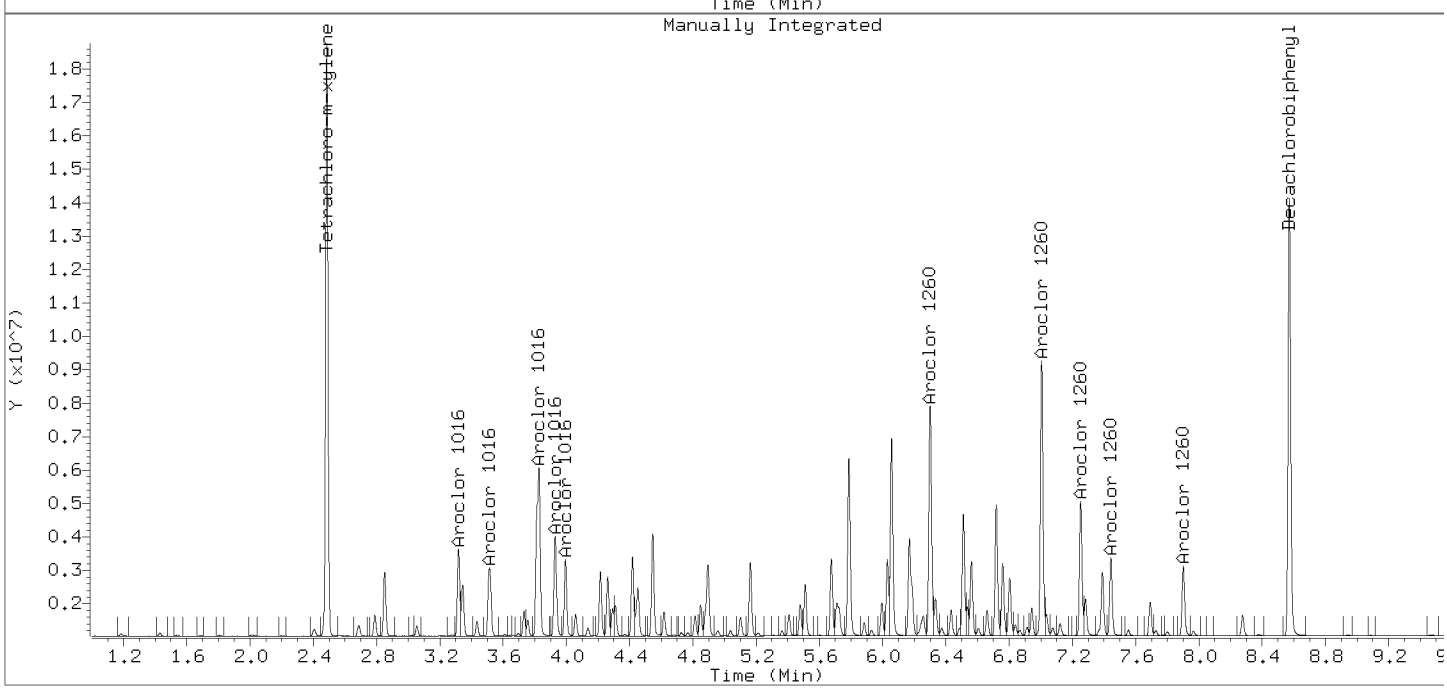
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618066.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 19:39 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL5A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	2831739	2843185	BA
Aroclor 1016	2831739	2843185	BA
Aroclor 1016	2831739	2843185	BA
Aroclor 1016	2831739	2843185	BA
Aroclor 1016	2831739	2843185	BA
Aroclor 1260	8339409	8372147	BA
Aroclor 1260	8339409	8372147	BA
Aroclor 1260	8339409	8372147	BA
Aroclor 1260	8339409	8372147	BA
Aroclor 1260	8339409	8372147	BA
Tetrachloro-m-xylene	18299526	18299526	
Decachlorobiphenyl	15073640	15073640	

PCB Low Level Calibration % Difference Check

Lab Name: Pace Analytical - Green Bay
Instrument ID: 40GCSJ
Calibration Date: 3/6/2018

Aroclor	True Value	Abundance Concentration	% Difference	Acceptance Criteria %	Pass/Fail
AR1221-CAL1	.1	0.109383	9.383	20	Pass
AR1242-CAL1	.1	0.108828	8.828	20	Pass
AR1248-CAL1	.1	0.106694	6.694	20	Pass
AR1254-CAL1	.1	0.10796	7.96	20	Pass
AR1016-CAL1	.1	0.109056	9.056	20	Pass
AR1260-CAL1	.1	0.10731	7.31	20	Pass

SAMPLE NO.

10757904ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 20:11

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618070.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1221	1	Averaged	1.804	1.77	1.838	1041256.70	1074308.00	3.1742
Aroclor 1221	2	Averaged	2.407	2.373	2.441	547842.900	558458.000	1.9376
Aroclor 1221	3	Averaged	2.688	2.654	2.722	1383336.70	1446642.00	4.5763
Aroclor 1221	4	Averaged	2.789	2.755	2.823	1105769.55	1114194.00	0.7619
Aroclor 1221	5	Averaged	2.851	2.817	2.885	3255397.65	3446964.00	5.8846
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	106438520.	-2.8491
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	119469080.	-3.1031

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10757932ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 20:27

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618072.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.317	3.284	3.352	2533198.70	2574948.00	1.6481
Aroclor 1242	2	Averaged	3.513	3.479	3.547	2520033.45	2587724.00	2.6861
Aroclor 1242	3	Averaged	3.825	3.793	3.861	7116457.95	7162442.00	0.6462
Aroclor 1242	4	Averaged	3.928	3.895	3.963	3041534.65	3109342.00	2.2294
Aroclor 1242	5	Averaged	3.993	3.961	4.029	2047746.90	2082504.00	1.6973
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	100680260.	-8.1049
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	117472720.	-4.7223

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10757923ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 20:44

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618074.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	4.261	4.227	4.295	2342973.85	2416006.00	3.1171
Aroclor 1248	2	Averaged	4.545	4.512	4.58	4150305.95	4272006.00	2.9323
Aroclor 1248	3	Averaged	4.813	4.778	4.846	2030080.20	2145142.00	5.6678
Aroclor 1248	4	Averaged	4.879	4.845	4.913	5037445.65	5257174.00	4.3619
Aroclor 1248	5	Averaged	5.037	5.004	5.072	3588546.15	3781714.00	5.3829
Decachlorobiphenyl (S)		Averaged	8.57	8.537	8.605	109559990.	103468660.	-5.5598
Tetrachloro-m-xylene		Averaged	2.485	2.45	2.518	123295106.	117995220.	-4.2985

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10757930ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 21:00

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618076.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1254	1	Averaged	5.162	5.128	5.196	5235247.45	4908596.00	-6.2395
Aroclor 1254	2	Averaged	5.406	5.374	5.442	4301054.45	4023996.00	-6.4416
Aroclor 1254	3	Averaged	5.51	5.476	5.544	7766063.85	7114120.00	-8.3948
Aroclor 1254	4	Averaged	6.026	5.993	6.061	4869683.55	4559312.00	-6.3735
Aroclor 1254	5	Averaged	6.299	6.265	6.333	6507103.75	6351522.00	-2.3910
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	103892160.	-5.1733
Tetrachloro-m-xylene		Averaged	2.485	2.45	2.518	123295106.	119128800.	-3.3791

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10757911ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 21:16

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618078.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	3.317	3.284	3.352	3080830.60	3151828.00	2.3045
Aroclor 1016	2	Averaged	3.512	3.478	3.546	3099002.40	3167044.00	2.1956
Aroclor 1016	3	Averaged	3.826	3.792	3.86	8861786.20	9017370.00	1.7557
Aroclor 1016	4	Averaged	3.928	3.895	3.963	3780223.45	3853260.00	1.9321
Aroclor 1016	5	Averaged	3.994	3.96	4.028	2603349.30	2572474.00	-1.1860
Aroclor 1260	1	Averaged	6.3	6.266	6.334	8862352.50	8433522.00	-4.8388
Aroclor 1260	2	Averaged	7.005	6.972	7.04	10014373.3	10338502.0	3.2366
Aroclor 1260	3	Averaged	7.251	7.217	7.285	4779803.15	4863954.00	1.7606
Aroclor 1260	4	Averaged	7.442	7.409	7.477	2915110.60	2985660.00	2.4201
Aroclor 1260	5	Averaged	7.901	7.867	7.935	2638735.95	2816390.00	6.7325
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	104964120.	-4.1948
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	118641800.	-3.7741

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10842796CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/14/2018 Time: 13:12

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 031418.B\031418004.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.317	3.284	3.352	2533198.70	2510940.00	-0.8787
Aroclor 1242	2	Averaged	3.513	3.479	3.547	2520033.45	2473072.00	-1.8635
Aroclor 1242	3	Averaged	3.826	3.793	3.861	7116457.95	6921176.00	-2.7441
Aroclor 1242	4	Averaged	3.929	3.895	3.963	3041534.65	2975824.00	-2.1604
Aroclor 1242	5	Averaged	3.993	3.961	4.029	2047746.90	1971886.00	-3.7046
Decachlorobiphenyl (S)		Averaged	8.572	8.537	8.605	109559990.	101941740.	-6.9535
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	117766700.	-4.4839

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10842797CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/14/2018 Time: 16:22

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 031418.B\031418016.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	4.261	4.227	4.295	2342973.85	2400320.00	2.4476
Aroclor 1248	2	Averaged	4.545	4.512	4.58	4150305.95	4188910.00	0.9301
Aroclor 1248	3	Averaged	4.813	4.778	4.846	2030080.20	2112654.00	4.0675
Aroclor 1248	4	Averaged	4.878	4.845	4.913	5037445.65	5172652.00	2.6840
Aroclor 1248	5	Averaged	5.037	5.004	5.072	3588546.15	3700542.00	3.1209
Decachlorobiphenyl (S)		Averaged	8.572	8.537	8.605	109559990.	107145860.	-2.2035
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	120659120.	-2.1379

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10842799CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/14/2018 Time: 18:45

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 031418.B\031418025.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1254	1	Averaged	5.162	5.128	5.196	5235247.45	5204698.00	-0.5835
Aroclor 1254	2	Averaged	5.406	5.374	5.442	4301054.45	4348410.00	1.1010
Aroclor 1254	3	Averaged	5.51	5.476	5.544	7766063.85	7768508.00	0.0315
Aroclor 1254	4	Averaged	6.026	5.993	6.061	4869683.55	5096960.00	4.6672
Aroclor 1254	5	Averaged	6.299	6.265	6.333	6507103.75	6645918.00	2.1333
Decachlorobiphenyl (S)		Averaged	8.572	8.537	8.605	109559990.	108046740.	-1.3812
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	120437160.	-2.3180

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10842790CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/20/2018 Time: 13:19

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 032018.B\032018004.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1232	1	Averaged	2.85	2.817	2.885	2500024.00	2347046.00	-6.1191
Aroclor 1232	2	Averaged	3.512	3.479	3.547	1339782.00	1273822.00	-4.9232
Aroclor 1232	3	Averaged	3.826	3.793	3.861	3749726.00	3408346.00	-9.1041
Aroclor 1232	4	Averaged	3.929	3.895	3.963	1606492.00	1458530.00	-9.2103
Aroclor 1232	5	Averaged	3.994	3.961	4.029	1091876.00	953732.000	-12.6520
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	94451220.0	-13.7904
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	110264740.	-10.5684

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10842795CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/20/2018 Time: 16:29

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 032018.B\032018016.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.317	3.284	3.352	2533198.70	2552980.00	0.7809
Aroclor 1242	2	Averaged	3.512	3.479	3.547	2520033.45	2523760.00	0.1479
Aroclor 1242	3	Averaged	3.826	3.793	3.861	7116457.95	7122812.00	0.0893
Aroclor 1242	4	Averaged	3.928	3.895	3.963	3041534.65	3055274.00	0.4517
Aroclor 1242	5	Averaged	3.994	3.961	4.029	2047746.90	2044686.00	-0.1495
Decachlorobiphenyl (S)		Averaged	8.57	8.537	8.605	109559990.	103411200.	-5.6123
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	119382160.	-3.1736

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10850752CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/27/2018 Time: 13:55

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 032718.B\032718004.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1221	1	Averaged	1.804	1.77	1.838	1041256.70	973054.000	-6.5500
Aroclor 1221	2	Averaged	2.407	2.373	2.441	547842.900	513248.000	-6.3147
Aroclor 1221	3	Averaged	2.688	2.654	2.722	1383336.70	1293026.00	-6.5285
Aroclor 1221	4	Averaged	2.789	2.755	2.823	1105769.55	1008344.00	-8.8107
Aroclor 1221	5	Averaged	2.851	2.817	2.885	3255397.65	3070240.00	-5.6877
Decachlorobiphenyl (S)		Averaged	8.57	8.537	8.605	109559990.	97313000.0	-11.1783
Tetrachloro-m-xylene		Averaged	2.485	2.45	2.518	123295106.	115912980.	-5.9874

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10850753CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/27/2018 Time: 17:05

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 032718.B\032718016.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1232	1	Averaged	2.85	2.817	2.885	2500024.00	2681994.00	7.2787
Aroclor 1232	2	Averaged	3.513	3.479	3.547	1339782.00	1400658.00	4.5437
Aroclor 1232	3	Averaged	3.826	3.793	3.861	3749726.00	4023370.00	7.2977
Aroclor 1232	4	Averaged	3.928	3.895	3.963	1606492.00	1720932.00	7.1236
Aroclor 1232	5	Averaged	3.994	3.961	4.029	1091876.00	1148408.00	5.1775
Decachlorobiphenyl (S)		Averaged	8.57	8.537	8.605	109559990.	105022320.	-4.1417
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	119771560.	-2.8578

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10850971CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/30/2018 Time: 15:47

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 033018.B\033018004.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1232	1	Averaged	2.851	2.817	2.885	2500024.00	2538698.00	1.5469
Aroclor 1232	2	Averaged	3.513	3.479	3.547	1339782.00	1338104.00	-0.1252
Aroclor 1232	3	Averaged	3.826	3.793	3.861	3749726.00	3730710.00	-0.5071
Aroclor 1232	4	Averaged	3.929	3.895	3.963	1606492.00	1594924.00	-0.7201
Aroclor 1232	5	Averaged	3.994	3.961	4.029	1091876.00	1054644.00	-3.4099
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	102155020.	-6.7588
Tetrachloro-m-xylene		Averaged	2.485	2.45	2.518	123295106.	115728840.	-6.1367

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10850970CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/30/2018 Time: 18:57

Instrument ID: 40GCSJ GC Column: Col 1
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 033018.B\033018016.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40151549

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.318	3.284	3.352	2533198.70	2590076.00	2.2453
Aroclor 1242	2	Averaged	3.512	3.479	3.547	2520033.45	2573384.00	2.1171
Aroclor 1242	3	Averaged	3.825	3.793	3.861	7116457.95	7354464.00	3.3444
Aroclor 1242	4	Averaged	3.928	3.895	3.963	3041534.65	3157966.00	3.8280
Aroclor 1242	5	Averaged	3.994	3.961	4.029	2047746.90	2096922.00	2.4014
Decachlorobiphenyl (S)		Averaged	8.57	8.537	8.605	109559990.	108080680.	-1.3502
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	120300920.	-2.4285

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618070.D
Lab Smp Id: 1221-ICV Client Smp ID: 1221-ICV
Inj Date : 06-MAR-2018 20:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-icv, 188142:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.430	40840	33323	0.816	0.23		
1.537	17254	12915	0.749	0.09		
1.688	12270	8463	0.690	0.07		
1.804	537154	469858	0.875	3.07	1 Aroclor 1221	BA
2.158	11282	10928	0.969	0.06		
2.198	158378	141258	0.892	0.90		
2.407	279229	204848	0.734	1.60	1 Aroclor 1221	BA
2.485	5973454	5698500	0.954	34.47	$ 2 Tetrachloro-m-xylene	BA
2.688	723322	608616	0.841	4.14	1 Aroclor 1221	BA
2.789	557097	532699	0.956	3.19	1 Aroclor 1221	BA
2.851	1723482	1520837	0.882	9.87	1 Aroclor 1221	BA
3.053	42842	31274	0.730	0.24		
3.281	125722	92702	0.737	0.72		
3.324	409120	233739	0.571	2.34		
3.433	41957	33921	0.808	0.24		
3.514	152248	110173	0.724	0.87		
3.609	20491	17352	0.847	0.11		
3.693	13172	11957	0.908	0.07		
3.731	39776	40682	1.023	0.22		
3.755	38316	38664	1.009	0.21		
3.827	333479	205587	0.616	1.91		
3.930	166253	139975	0.842	0.95		
3.994	101078	94563	0.936	0.57		
4.058	16842	14008	0.832	0.09		
4.214	43249	38654	0.894	0.24		
4.260	30501	31686	1.039	0.17		
4.291	19839	13076	0.659	0.11		
4.418	34788	38094	1.095	0.19		
4.447	27970	19186	0.686	0.16		
4.544	57594	51561	0.895	0.33		
4.616	16740	13977	0.835	0.09		
4.815	23044	20925	0.908	0.13		
4.847	36853	34664	0.941	0.21		
4.879	53269	36786	0.691	0.30		
5.037	34294	32438	0.946	0.19		
5.103	10234	8648	0.845	0.05		
5.408	11500	8513	0.740	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.512	18851	12253	0.650	0.10	
5.783	9303	7027	0.755	0.05	
6.347	10003	6690	0.669	0.05	
6.867	9564	7223	0.755	0.05	
7.729	30210	25344	0.839	0.17	
7.802	20371	17570	0.862	0.11	
8.278	45102	38714	0.858	0.25	
8.572	5321926	4509273	0.847	30.49	$ 12 Decachlorobiphenyl
8.942	13753	10341	0.752	0.07	
9.470	11610	10452	0.900	0.06	
9.960	25620	14968	0.584	0.14	
	17451246	15314905		100.000	

Total unknown % area = 13

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618070.D
Lab Smp Id: 1221-ICV Client Smp ID: 1221-ICV
Inj Date : 06-MAR-2018 20:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-icv, 188142:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO		REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.484	2.484	0.000	5973454	0.05000	0.048			(M)	BA
1 Aroclor 1221					CAS #: 11104-28-2				
1.804	1.804	0.000	537154	0.50000	0.52	0.00- 20.00	100.00	(M)	BA
2.407	2.407	0.000	279229	0.50000	0.51	0.00- 20.00	51.98		BA
2.688	2.688	0.000	723321	0.50000	0.52	0.00- 20.00	134.66		BA
2.789	2.789	0.000	557097	0.50000	0.50	0.00- 20.00	103.71		BA
2.851	2.851	0.000	1723482	0.50000	0.53	0.00- 20.00	320.85		BA
Average of Peak Amounts =					0.51600				
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3				
8.571	8.571	0.000	5321926	0.05000	0.048				

QC Flag Legend

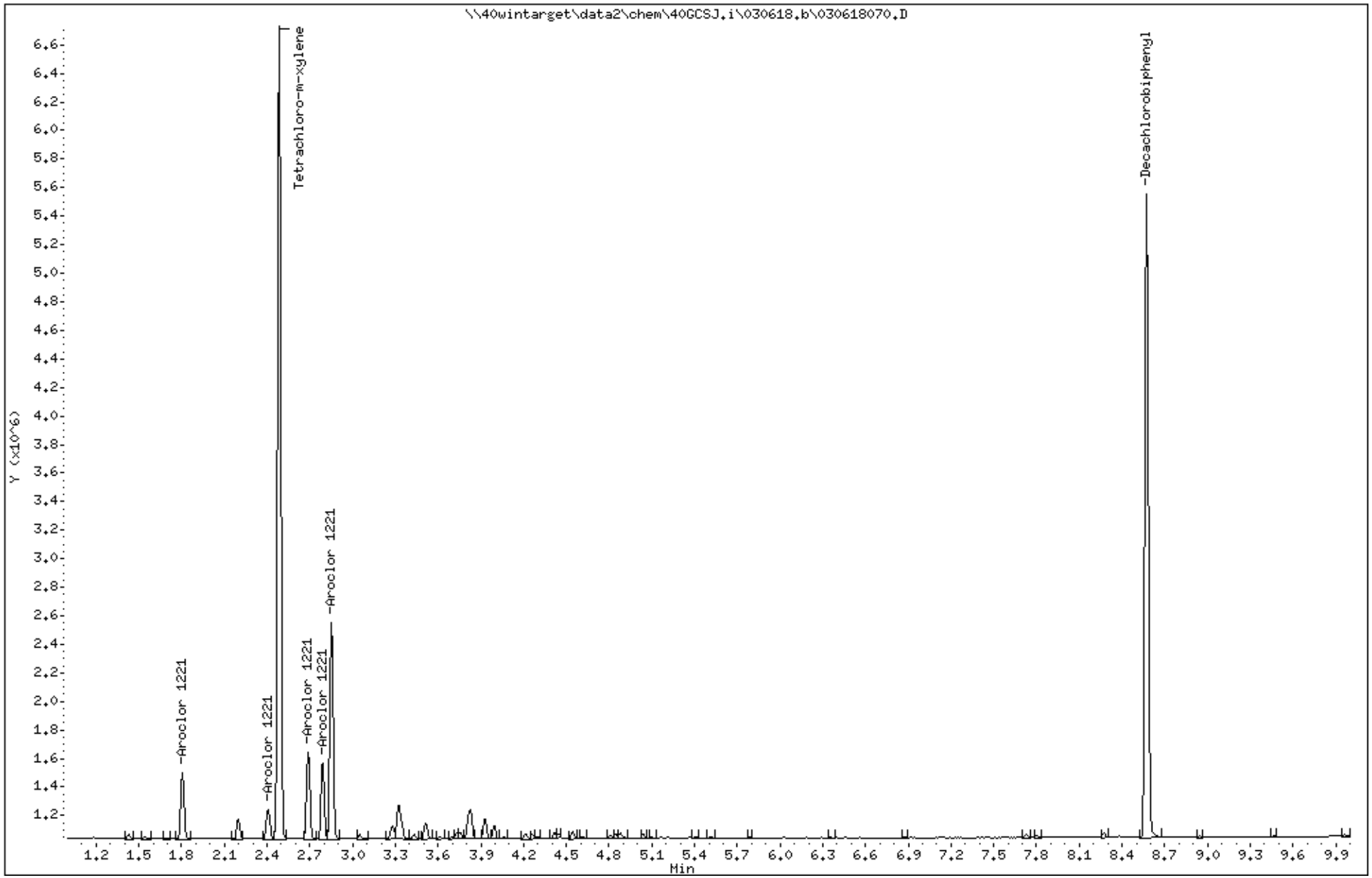
M - Compound response manually integrated.

Review Codes Legend

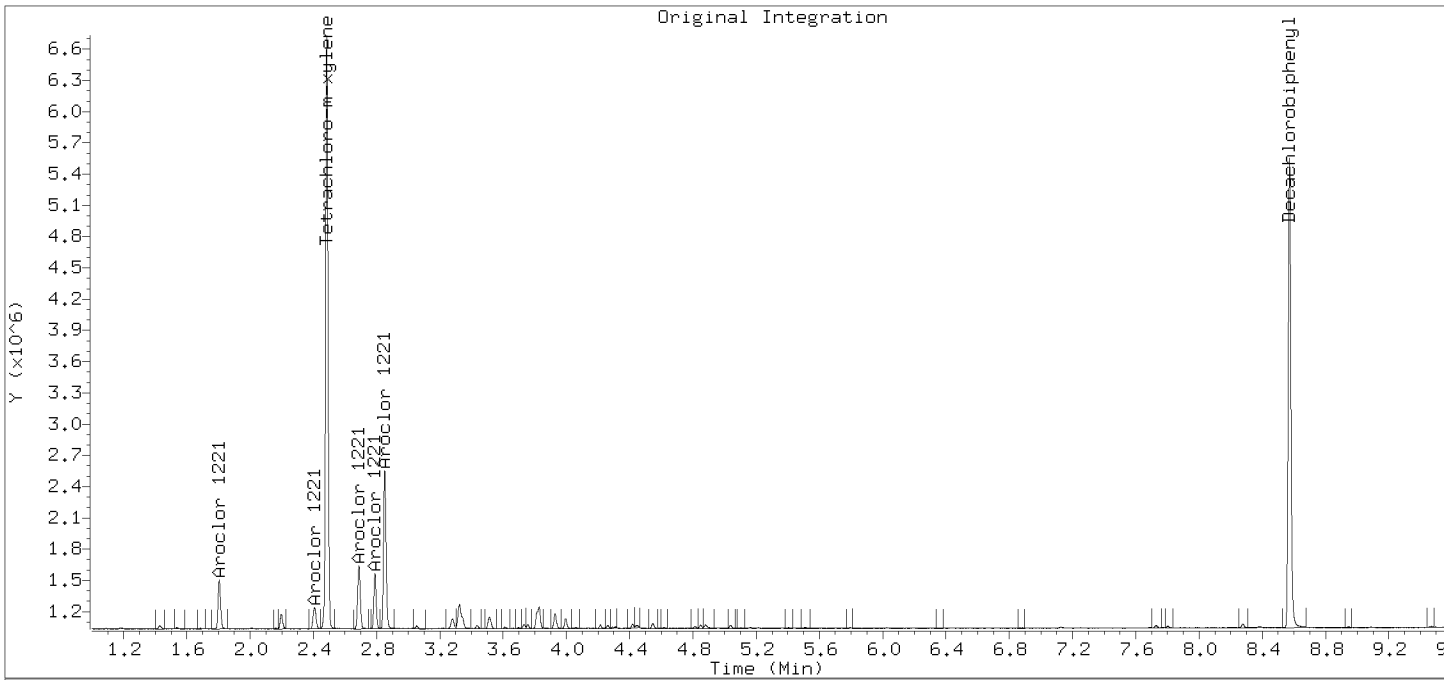
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

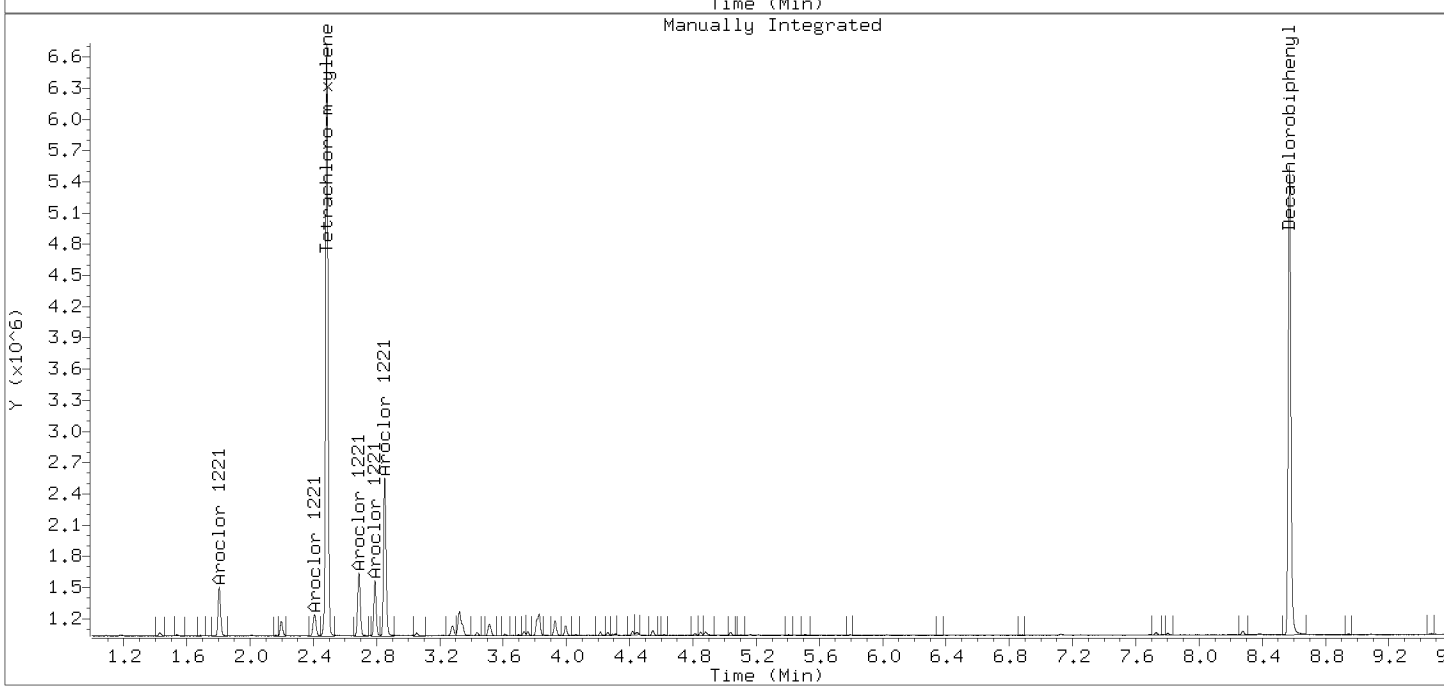
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618070.D
Date : 06-MAR-2018 20:11
Client ID: 1221-ICV
Sample Info: 1221-ICV, 188142:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618070.D (ManInt: AR1221.sub Orig: AR1221.sub)
Injection Date: 06-MAR-2018 20:11 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	531813	537154	BA
Aroclor 1221	531813	537154	BA
Aroclor 1221	531813	537154	BA
Aroclor 1221	531813	537154	BA
Aroclor 1221	531813	537154	BA
Tetrachloro-m-xylene	5952668	5973454	BA
Decachlorobiphenyl	5321926	5321926	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618072.D
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 06-MAR-2018 20:27
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-icv, 185562:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 37 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
1.182	14288	12968	0.908	0.03		
1.428	37134	32784	0.883	0.09		
1.539	20685	13744	0.664	0.05		
1.806	19059	17804	0.934	0.05		
2.404	134346	103552	0.771	0.35		
2.485	5873636	5676099	0.966	16.03	$ 2 Tetrachloro-m-xylene	
2.686	193190	158466	0.820	0.51		
2.788	283870	272236	0.959	0.75		
2.850	999209	952371	0.953	2.66		
3.054	145787	130280	0.894	0.38		
3.279	24447	19522	0.799	0.06		
3.317	1287474	1200238	0.932	3.43	3 Aroclor 1242	BA
3.344	730459	693075	0.949	1.94		
3.435	207883	189325	0.911	0.55		
3.513	1293863	944289	0.730	3.44	3 Aroclor 1242	BA
3.612	22860	18377	0.804	0.06		
3.647	23439	16349	0.698	0.06		
3.696	36476	35506	0.973	0.09		
3.731	322838	319621	0.990	0.86		
3.756	213073	205263	0.963	0.56		
3.826	3581222	2097110	0.586	9.54	3 Aroclor 1242	BA
3.928	1554671	1293077	0.832	4.14	3 Aroclor 1242	BA
3.994	1041253	986439	0.947	2.77	3 Aroclor 1242	BA
4.058	279247	251769	0.902	0.74		
4.136	113510	101678	0.896	0.30		
4.215	824770	788034	0.955	2.19		
4.261	781405	765245	0.979	2.08		
4.292	312524	328346	1.051	0.83		
4.311	404517	367665	0.909	1.07		
4.372	27372	22538	0.823	0.07		
4.417	1118646	1040424	0.930	2.98		
4.452	854457	630460	0.738	2.27		
4.545	1421692	1283823	0.903	3.78		
4.618	334338	302865	0.906	0.89		
4.679	28007	18667	0.667	0.07		
4.728	68438	58015	0.848	0.18		
4.768	73081	69415	0.950	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.812	640662	618887	0.966	1.70	
4.848	1131783	1062264	0.939	3.01	
4.878	1453285	1083159	0.745	3.87	
4.957	156083	126825	0.813	0.41	
5.037	1224571	1114748	0.910	3.26	
5.099	245239	185939	0.758	0.65	
5.162	276625	246249	0.890	0.73	
5.212	201147	175293	0.871	0.53	
5.285	18730	16061	0.858	0.04	
5.312	50903	39235	0.771	0.13	
5.362	178111	159411	0.895	0.47	
5.407	296369	257265	0.868	0.78	
5.446	185486	163132	0.879	0.49	
5.509	494170	376849	0.763	1.31	
5.604	157705	129475	0.821	0.42	
5.670	15998	12262	0.766	0.04	
5.716	27499	21293	0.774	0.07	
5.741	38080	32982	0.866	0.10	
5.792	324066	249256	0.769	0.86	
5.891	46598	28590	0.614	0.12	
6.025	300272	225833	0.752	0.80	
6.173	22376	16996	0.760	0.05	
6.299	61219	54211	0.886	0.16	
6.335	9981	10468	1.049	0.02	
6.367	9764	8232	0.843	0.02	
6.801	13109	12142	0.926	0.03	
7.008	20895	16561	0.793	0.05	
7.124	16181	11660	0.721	0.04	
7.253	9479	8109	0.855	0.02	
7.392	10765	9021	0.838	0.02	
7.727	30633	26862	0.877	0.08	
7.802	22807	20254	0.888	0.06	
8.275	44979	37205	0.827	0.11	
8.381	12768	10411	0.815	0.03	
8.572	5034014	4309550	0.856	13.41	$ 12 Decachlorobiphenyl
9.466	9953	6796	0.683	0.02	
9.962	21579	14184	0.657	0.05	
	37517051	32315109		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618072.D
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 06-MAR-2018 20:27
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-icv, 185562:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	5873636	0.05000	0.048			
3 Aroclor 1242						CAS #: 53469-21-9		
3.317	3.318	-0.001	1287474	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	1293862	0.50000	0.51	0.00- 20.00	100.50	BA
3.825	3.827	-0.002	3581221	0.50000	0.50	0.00- 20.00	278.16	BA
3.928	3.929	-0.001	1554671	0.50000	0.51	0.00- 20.00	120.75	BA
3.993	3.995	-0.002	1041252	0.50000	0.51	0.00- 20.00	80.88	BA
Average of Peak Amounts =					0.50800			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.571	8.571	0.000	5034013	0.05000	0.046			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

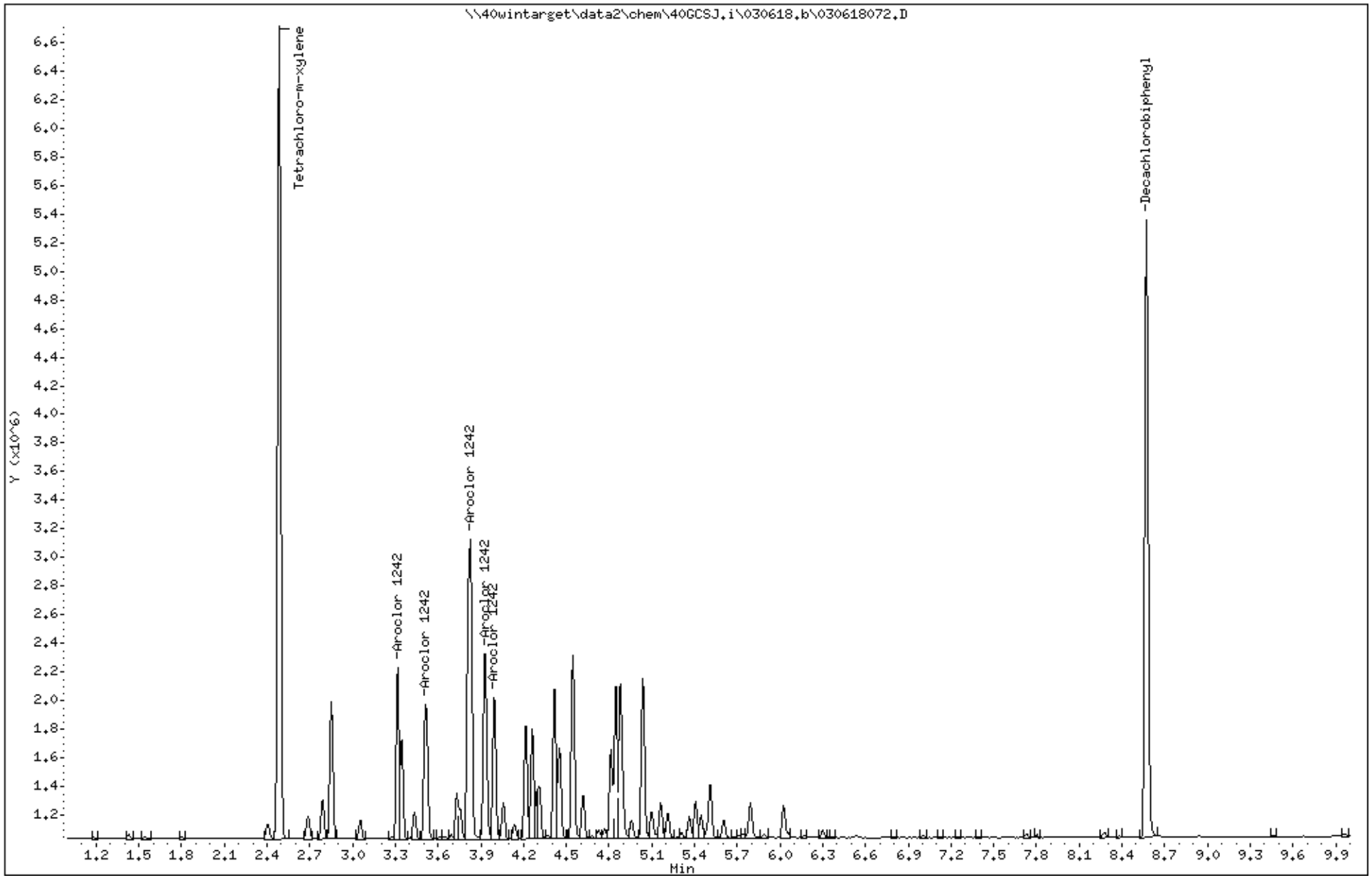
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618072.D
Date : 06-MAR-2018 20:27
Client ID: 1242-ICV
Sample Info: 1242-ICV, 185562:1

Instrument: 40GCSJ.i

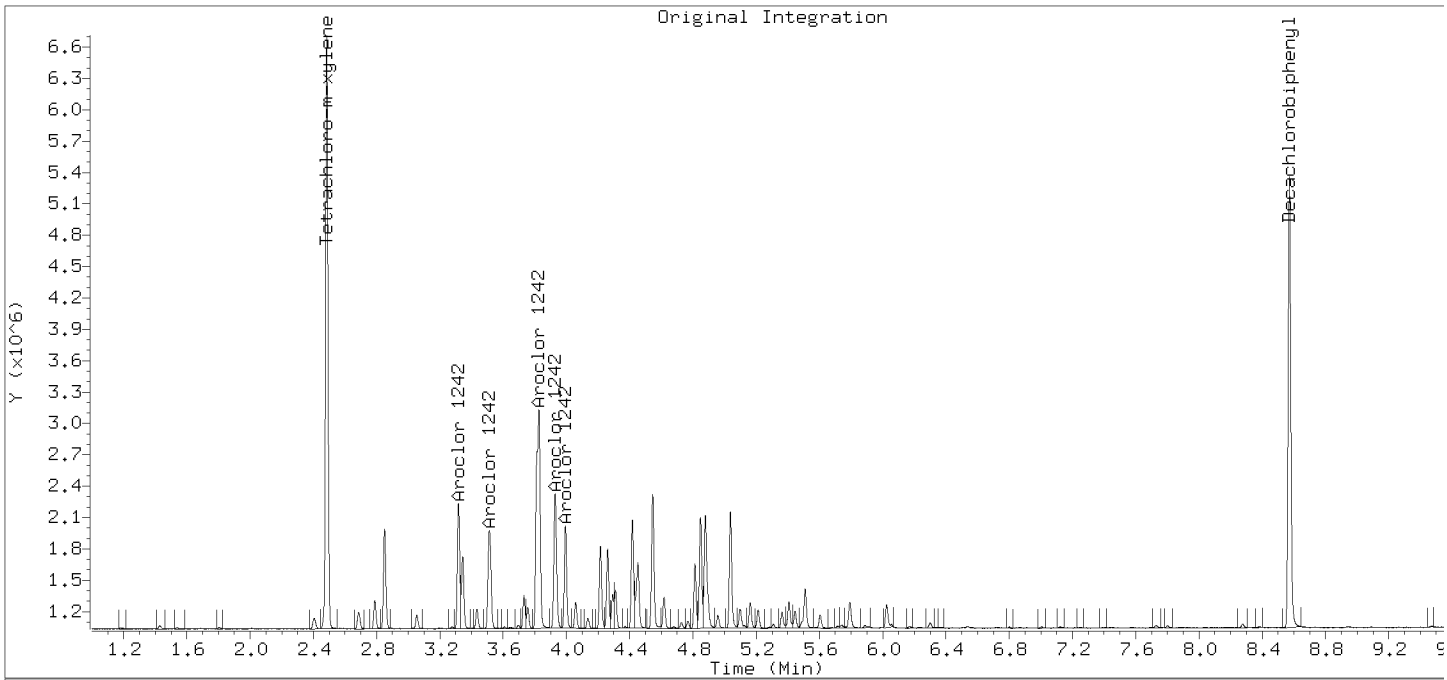
Operator: BLM

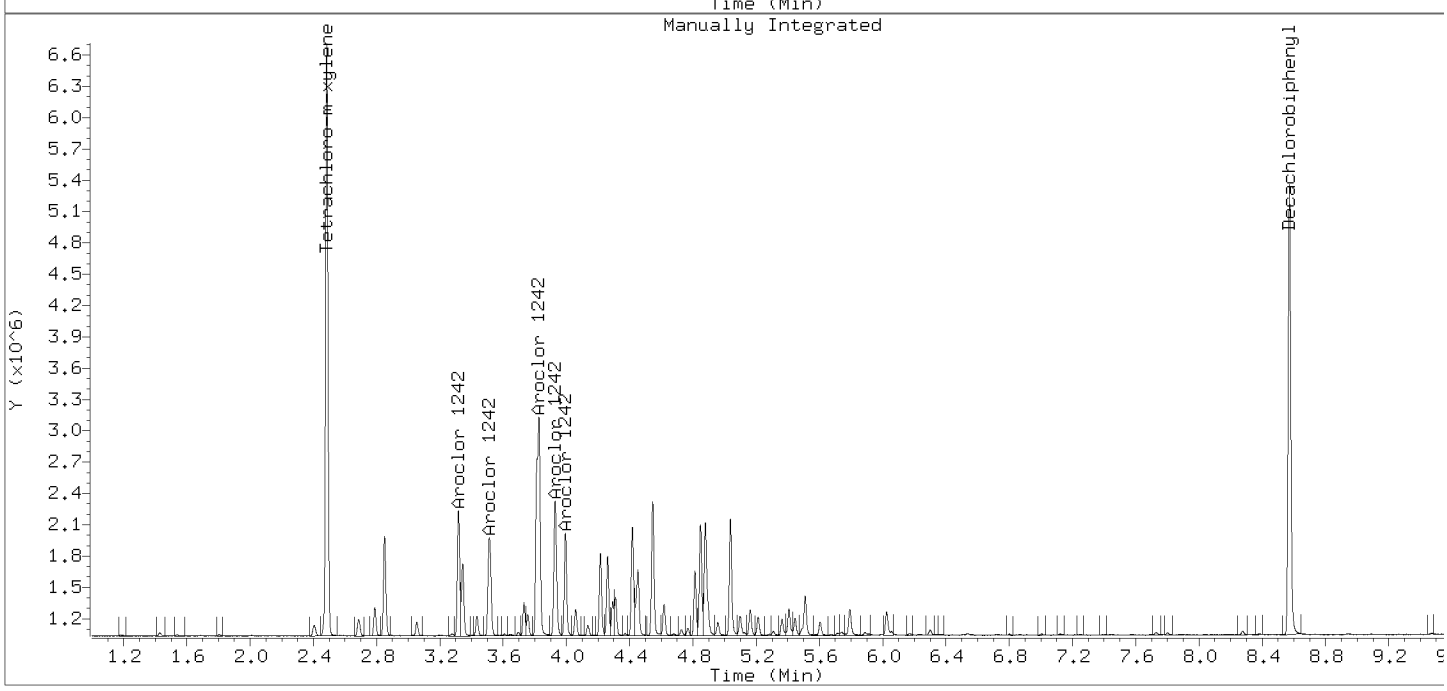
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618072.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 06-MAR-2018 20:27 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1280662	1287474	BA
Aroclor 1242	1280662	1287474	BA
Aroclor 1242	1280662	1287474	BA
Aroclor 1242	1280662	1287474	BA
Aroclor 1242	1280662	1287474	BA
Tetrachloro-m-xylene	5873636	5873636	
Decachlorobiphenyl	5034013	5034013	

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SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618074.D
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 06-MAR-2018 20:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-icv, 185563:1
Misc Info : 17498,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 38 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
1.181	17909	14420	0.805	0.04		
1.427	41300	30754	0.745	0.09		
1.534	17534	12165	0.694	0.04		
1.683	10383	10019	0.965	0.02		
2.405	14088	10428	0.740	0.03		
2.485	5899761	5544150	0.940	14.05	$ 2 Tetrachloro-m-xylene	
2.689	16668	12362	0.742	0.03		
2.788	95501	90846	0.951	0.22		
2.852	103096	93433	0.906	0.23		
3.055	53842	46986	0.873	0.12		
3.318	652092	633367	0.971	1.50		
3.344	255476	242530	0.949	0.58		
3.433	54381	45369	0.834	0.12		
3.515	528681	378059	0.715	1.22		
3.612	17192	16665	0.969	0.03		
3.733	139942	107922	0.771	0.32		
3.815	998138	1180553	1.183	2.30		
3.825	1248615	1194584	0.957	2.88		
3.931	835250	638277	0.764	1.92		
3.995	550006	533435	0.970	1.26		
4.059	343387	326192	0.950	0.79		
4.137	145276	132173	0.910	0.33		
4.215	1486323	1403883	0.945	3.43		
4.262	1208004	1159133	0.960	2.78	6 Aroclor 1248	BA
4.293	511269	526568	1.030	1.17		
4.311	543428	513963	0.946	1.25		
4.418	1823450	1718104	0.942	4.20		
4.452	908943	795006	0.875	2.09		
4.546	2136003	1914178	0.896	4.92	6 Aroclor 1248	BA
4.588	34235	33628	0.982	0.07		
4.618	485337	462281	0.952	1.12		
4.680	28053	23489	0.837	0.06		
4.728	63611	50641	0.796	0.14		
4.769	114596	110060	0.960	0.26		
4.813	1072572	1047618	0.977	2.47	6 Aroclor 1248	BA
4.848	2019974	1872521	0.927	4.66		
4.880	2628588	1729939	0.658	6.06	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.958	300549	254865	0.848	0.69	
5.037	1890857	1718796	0.909	4.36	6 Aroclor 1248
5.099	658439	515140	0.782	1.51	
5.163	778429	704282	0.905	1.79	
5.212	561933	511880	0.911	1.29	
5.284	37417	36848	0.985	0.08	
5.309	124762	104101	0.834	0.28	
5.364	496549	440266	0.887	1.14	
5.408	826216	719936	0.871	1.90	
5.446	528194	462528	0.876	1.21	
5.510	1373479	1108021	0.807	3.16	
5.604	398982	348600	0.874	0.92	
5.675	36019	29954	0.832	0.08	
5.717	78189	59388	0.760	0.18	
5.739	98549	89525	0.908	0.22	
5.793	935796	748637	0.800	2.15	
5.889	98768	81563	0.826	0.22	
5.996	31650	25516	0.806	0.07	
6.024	912880	698617	0.765	2.10	
6.169	70680	48903	0.692	0.16	
6.228	45926	27843	0.606	0.10	
6.301	222697	182730	0.821	0.51	
6.335	46487	36946	0.795	0.10	
6.372	40036	31572	0.789	0.09	
6.512	15047	14089	0.936	0.03	
6.536	93754	63840	0.681	0.21	
6.607	16189	11424	0.706	0.03	
6.719	21159	16941	0.801	0.04	
6.759	10928	9914	0.907	0.02	
6.804	35912	32894	0.916	0.08	
7.005	37431	32956	0.880	0.08	
7.126	11973	10422	0.870	0.02	
7.253	25115	21545	0.858	0.05	
7.683	12978	7477	0.576	0.02	
7.730	34860	28466	0.817	0.08	
7.799	36493	21426	0.587	0.08	
7.900	14089	11492	0.816	0.03	
8.274	45874	41456	0.904	0.10	
8.380	17315	11279	0.651	0.03	
8.571	5173433	4424436	0.855	11.93	$ 12 Decachlorobiphenyl
8.940	12157	9669	0.795	0.02	
9.960	18949	14032	0.741	0.04	
	43330043	38425916		100.000	

Total unknown % area = 53

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618074.D
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 06-MAR-2018 20:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-icv, 185563:1
Misc Info : 17498,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.485	2.484	0.001	5899761	0.05000	0.048			
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	1208003	0.50000	0.52	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	2136003	0.50000	0.51	0.00- 20.00	176.82	BA
4.813	4.812	0.001	1072571	0.50000	0.53	0.00- 20.00	88.79	BA
4.879	4.879	0.000	2628587	0.50000	0.52	0.00- 20.00	217.60	BA
5.037	5.038	-0.001	1890857	0.50000	0.53	0.00- 20.00	156.53	BA
Average of Peak Amounts =					0.52200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	5173433	0.05000	0.047			

QC Flag Legend

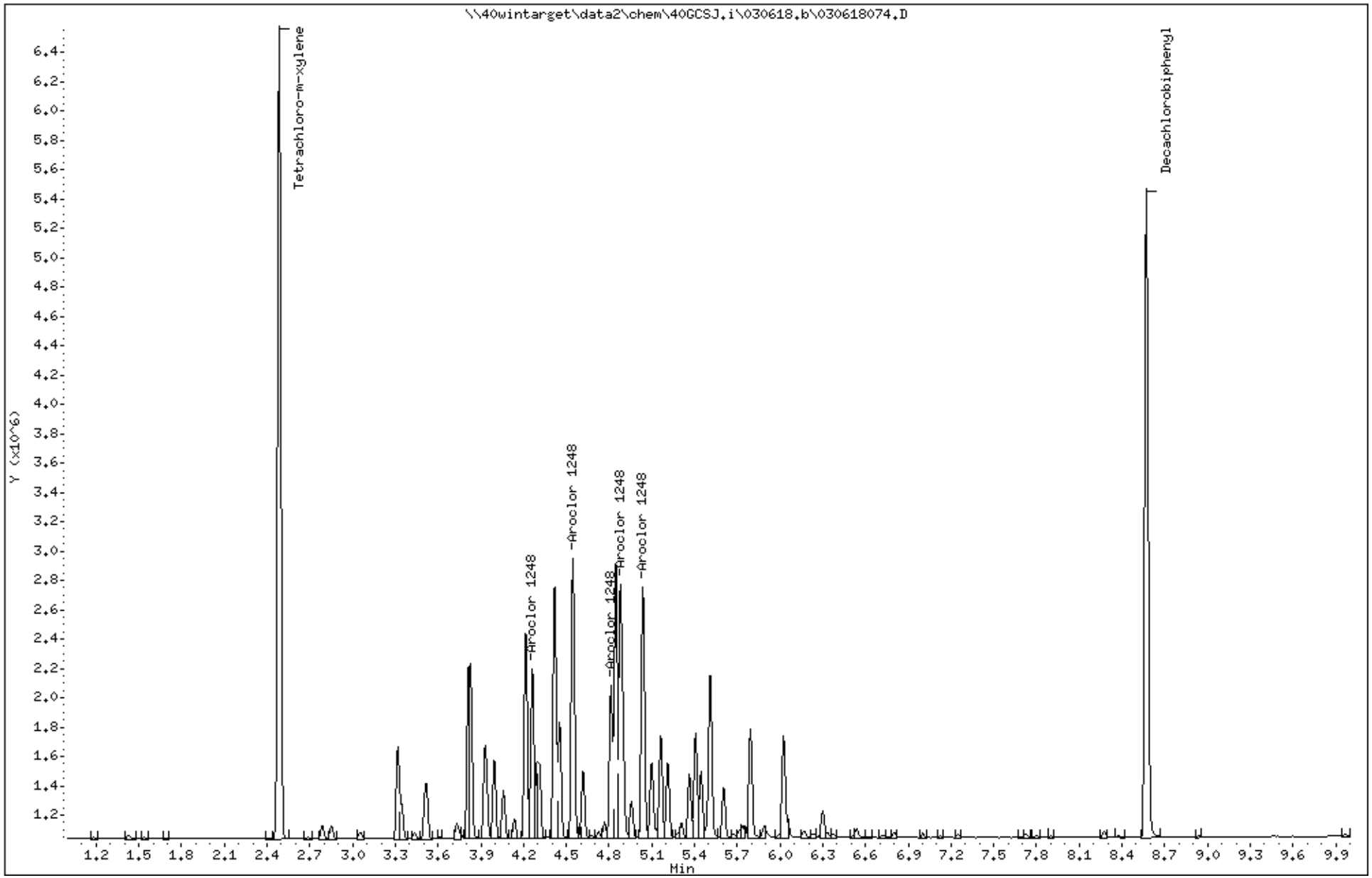
M - Compound response manually integrated.

Review Codes Legend

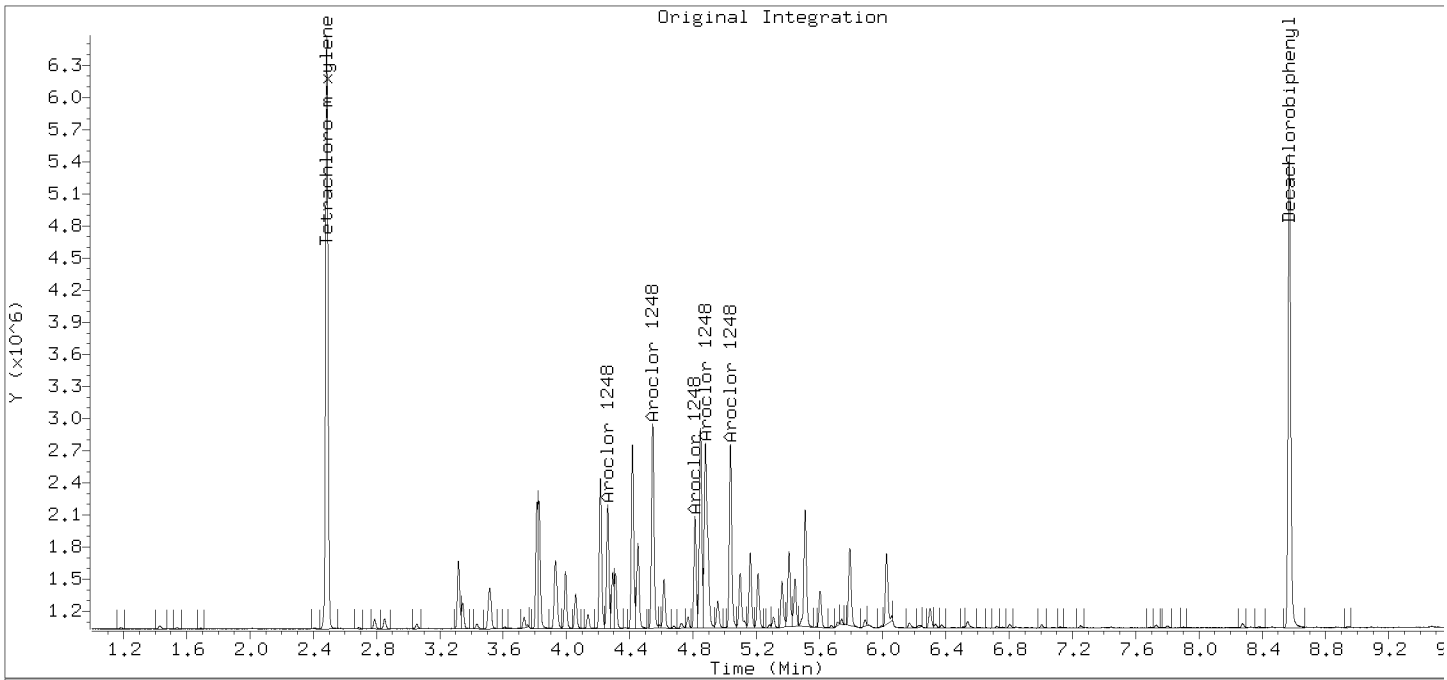
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

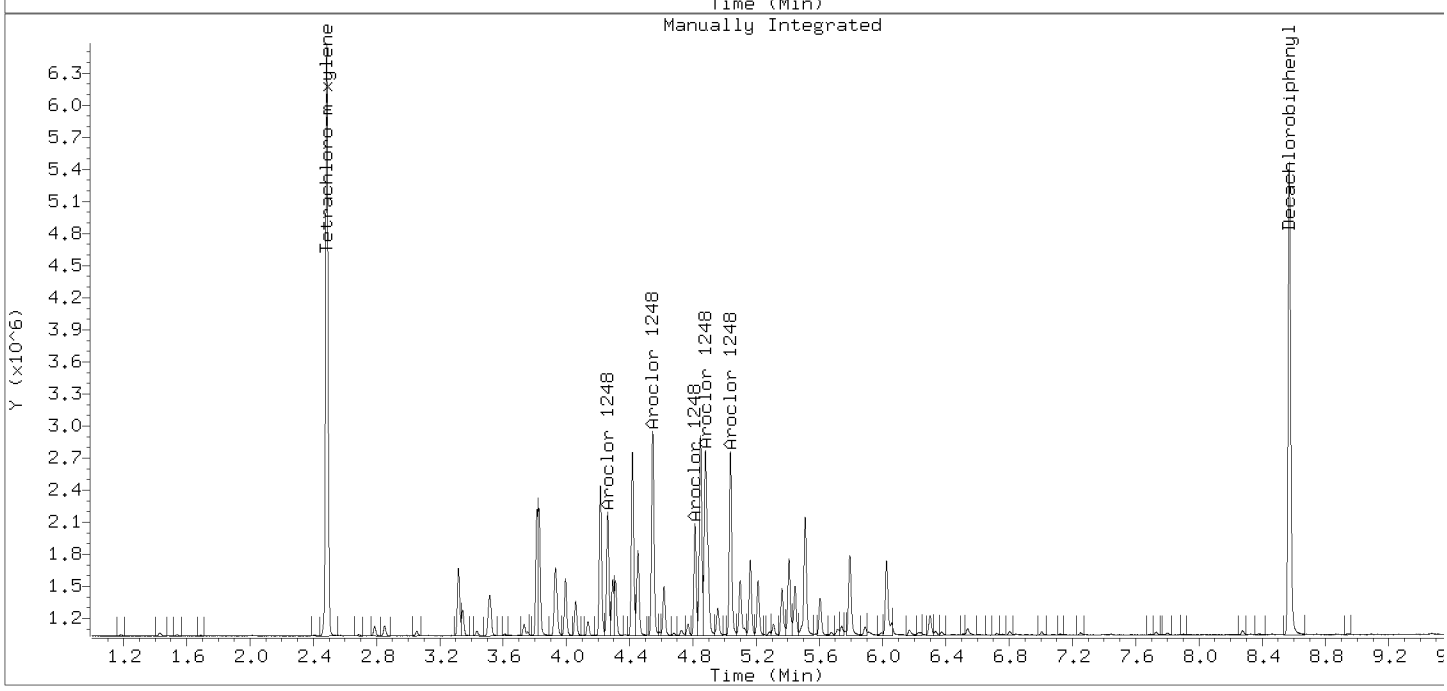
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618074.D
Date : 06-MAR-2018 20:44
Client ID: 1248-ICV
Sample Info: 1248-ICV, 185563:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618074.D (ManInt: AR1248.sub Orig: AR1248.sub)
Injection Date: 06-MAR-2018 20:44 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1202018	1208003	BA
Aroclor 1248	1202018	1208003	BA
Aroclor 1248	1202018	1208003	BA
Aroclor 1248	1202018	1208003	BA
Aroclor 1248	1202018	1208003	BA
Tetrachloro-m-xylene	5899761	5899761	
Decachlorobiphenyl	5173433	5173433	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618076.D
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 06-MAR-2018 21:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-icv, 185564:1
Misc Info : 17498,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 39 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
1.181	11241	11145	0.991	0.02		
1.429	37023	29359	0.793	0.07		
1.536	18870	14547	0.771	0.03		
2.485	5956441	5624399	0.944	12.17	$ 2 Tetrachloro-m-xylene	
2.787	83932	83545	0.995	0.16		
2.847	23487	12751	0.543	0.04		
3.053	22053	16758	0.760	0.04		
3.320	24424	22137	0.906	0.04		
3.343	16533	14772	0.894	0.03		
3.511	21956	15136	0.689	0.04		
3.610	23047	18723	0.812	0.04		
3.813	73837	44648	0.605	0.14		
3.936	54806	35146	0.641	0.10		
3.991	21322	19067	0.894	0.04		
4.057	16084	14470	0.900	0.03		
4.216	1104737	1042404	0.944	2.18		
4.261	294439	287244	0.976	0.58		
4.293	55355	38898	0.703	0.10		
4.417	645490	619185	0.959	1.27		
4.453	65034	55154	0.848	0.12		
4.546	297966	280995	0.943	0.58		
4.590	13297	14947	1.124	0.02		
4.615	52626	43507	0.827	0.10		
4.682	14760	14823	1.004	0.02		
4.769	19864	18032	0.908	0.03		
4.813	255256	243907	0.956	0.50		
4.848	954635	917189	0.961	1.88		
4.895	2240553	1806193	0.806	4.42		
4.957	378746	331044	0.874	0.74		
5.039	197483	178932	0.906	0.39		
5.100	1331660	1130632	0.849	2.63		
5.163	2454299	2245562	0.915	4.84	7 Aroclor 1254	BA
5.212	1112261	987906	0.888	2.19		
5.285	62054	59649	0.961	0.12		
5.310	206656	186551	0.903	0.40		
5.363	957753	888665	0.928	1.89		
5.407	2011999	1826444	0.908	3.97	7 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.445	683522	603976	0.884	1.35	
5.478	263671	258349	0.980	0.52	
5.510	3557061	3172502	0.892	7.02	7 Aroclor 1254
5.577	41056	36384	0.886	0.08	
5.605	496084	429134	0.865	0.98	
5.676	353874	332146	0.939	0.69	
5.711	557893	345779	0.620	1.10	
5.741	316074	271838	0.860	0.62	
5.790	3702485	2959912	0.799	7.31	
5.885	349557	271841	0.778	0.69	
5.928	191368	119957	0.627	0.37	
5.994	332278	306209	0.922	0.65	
6.027	2279656	1881319	0.825	4.50	7 Aroclor 1254
6.055	1742805	1415445	0.812	3.44	
6.169	710083	597581	0.842	1.40	
6.228	301903	298212	0.988	0.59	
6.242	317472	282700	0.890	0.62	
6.300	3175762	2557382	0.805	6.27	7 Aroclor 1254
6.335	613369	538823	0.878	1.21	
6.374	338945	280771	0.828	0.66	
6.441	98349	54990	0.559	0.19	
6.487	20933	19173	0.916	0.04	
6.510	122159	127890	1.047	0.24	
6.537	1093807	836036	0.764	2.16	
6.606	171691	137034	0.798	0.33	
6.662	39774	29158	0.733	0.07	
6.720	225492	189217	0.839	0.44	
6.760	134652	118490	0.880	0.26	
6.802	627925	538577	0.858	1.24	
6.843	186255	113960	0.612	0.36	
6.943	65536	50712	0.774	0.12	
7.006	455898	370505	0.813	0.90	
7.074	28987	20562	0.709	0.05	
7.121	17906	16606	0.927	0.03	
7.253	362457	317889	0.877	0.71	
7.281	86561	71028	0.821	0.17	
7.390	15134	15178	1.003	0.02	
7.445	25464	19955	0.784	0.05	
7.555	25575	19764	0.773	0.05	
7.692	17214	14547	0.845	0.03	
7.731	30335	26152	0.862	0.05	
7.802	25782	20334	0.789	0.05	
7.898	15405	15400	1.000	0.03	
8.277	51144	41782	0.817	0.10	
8.571	5194608	4290400	0.826	10.26	$ 12 Decachlorobiphenyl
9.963	10137	8532	0.842	0.02	
	50606079	43638597		100.000	

Total unknown % area = 51

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618076.D
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 06-MAR-2018 21:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-icv, 185564:1
Misc Info : 17498,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.485	2.484	0.001	5956440	0.05000	0.048			
7 Aroclor 1254					CAS #: 11097-69-1			
5.162	5.162	0.000	2454298	0.50000	0.47	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	2011998	0.50000	0.47	0.00- 20.00	81.98	BA
5.510	5.510	0.000	3557060	0.50000	0.46	0.00- 20.00	144.93	BA
6.026	6.027	-0.001	2279656	0.50000	0.47	0.00- 20.00	92.88	BA
6.299	6.299	0.000	3175761	0.50000	0.49	0.00- 20.00	129.40	BA
Average of Peak Amounts =					0.47200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	5194608	0.05000	0.047			

QC Flag Legend

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\40GCSJ.i\030618.b\030618076.D

Date : 06-MAR-2018 21:00

Client ID: 1254-ICV

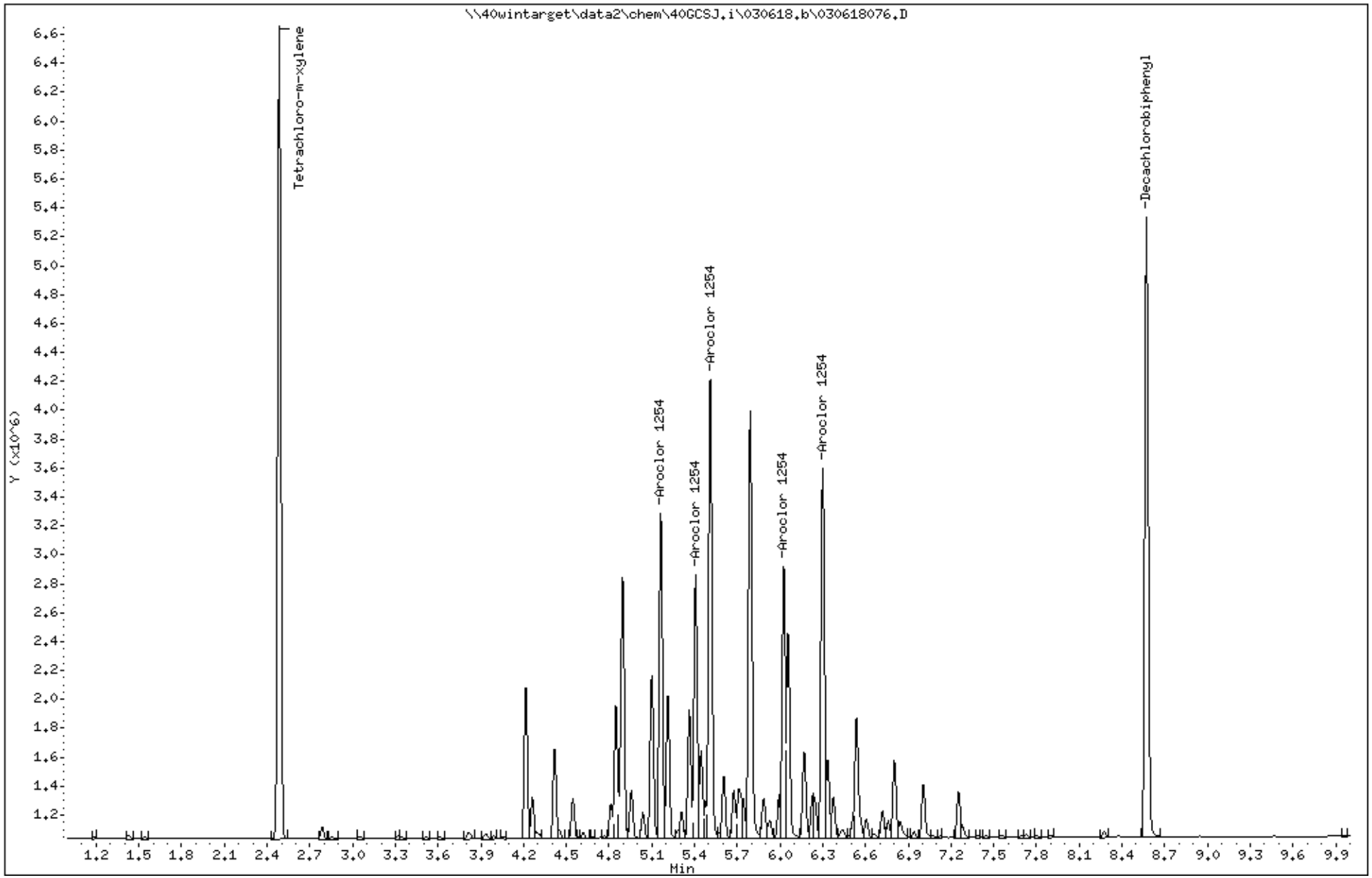
Instrument: 40GCSJ.i

Sample Info: 1254-ICV, 185564:1

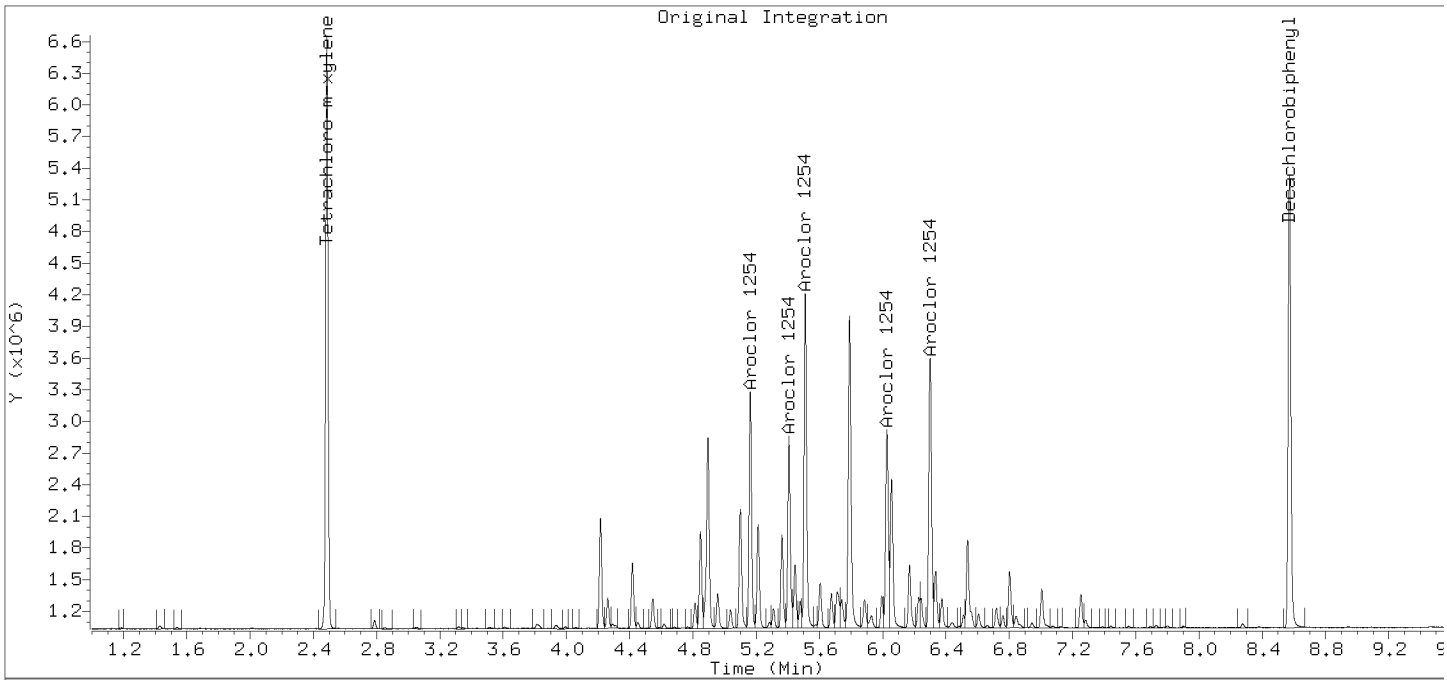
Operator: BLM

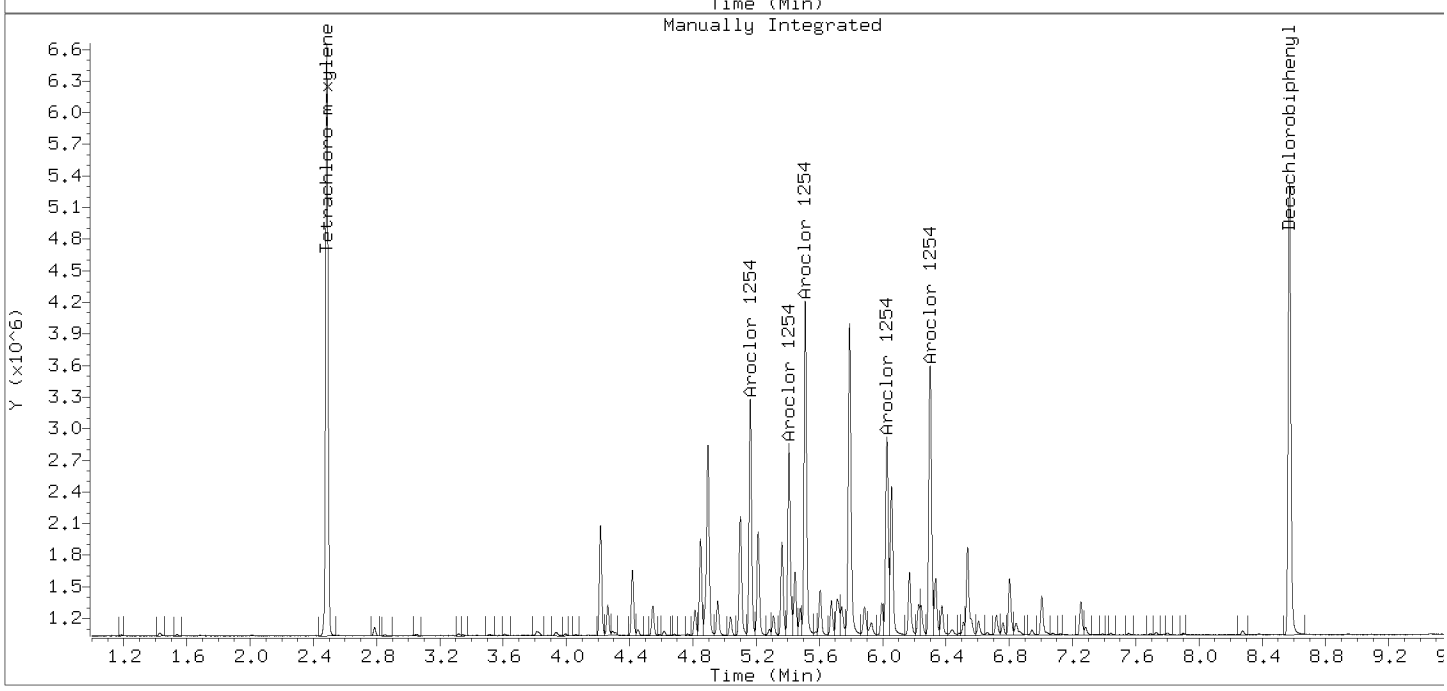
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618076.D (ManInt: AR1254.sub Orig: AR1254.sub)
Injection Date: 06-MAR-2018 21:00 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	2444116	2454298	BA
Aroclor 1254	2444116	2454298	BA
Aroclor 1254	2444116	2454298	BA
Aroclor 1254	2444116	2454298	BA
Aroclor 1254	2444116	2454298	BA
Tetrachloro-m-xylene	5956440	5956440	
Decachlorobiphenyl	5194608	5194608	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618078.D
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 06-MAR-2018 21:16
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-icv, 185565:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 40 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
1.182	21221	17184	0.810	0.02		
1.431	40838	31713	0.777	0.04		
1.536	17776	15618	0.879	0.02		
1.804	13311	13960	1.049	0.01		
2.011	10268	7617	0.742	0.01		
2.405	140776	109473	0.778	0.16		
2.484	5932090	5726918	0.965	7.56	$ 2 Tetrachloro-m-xylene	
2.687	201068	164753	0.819	0.24		
2.788	295756	279701	0.946	0.35		
2.851	1113041	1029534	0.925	1.33		
3.055	169967	158668	0.934	0.20		
3.277	24278	19456	0.801	0.02		
3.317	1575915	1463198	0.928	1.88	5 Aroclor 1016	BA
3.344	915512	854579	0.933	1.09		
3.435	250094	229311	0.917	0.29		
3.513	1583523	1159648	0.732	1.89	5 Aroclor 1016	BA
3.610	21286	19905	0.935	0.02		
3.645	25464	17411	0.684	0.03		
3.696	44251	42008	0.949	0.05		
3.732	398780	398305	0.999	0.47		
3.756	256467	255771	0.997	0.30		
3.827	4508685	2620847	0.581	5.39	5 Aroclor 1016	BA
3.929	1926630	1599827	0.830	2.30	5 Aroclor 1016	BA
3.994	1286237	1237455	0.962	1.54	5 Aroclor 1016	BA
4.058	377180	342508	0.908	0.45		
4.136	150296	140468	0.935	0.17		
4.214	1102455	1039229	0.943	1.32		
4.261	1029907	980757	0.952	1.23		
4.293	425562	439845	1.034	0.50		
4.310	540061	519083	0.961	0.64		
4.370	26189	19343	0.739	0.03		
4.417	1387264	1301927	0.938	1.66		
4.453	895338	753232	0.841	1.07		
4.545	1576424	1430306	0.907	1.88		
4.591	17433	23996	1.376	0.02		
4.618	301465	279443	0.927	0.36		
4.680	19837	14137	0.713	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.728	37013	29354	0.793	0.04	
4.768	30417	27693	0.910	0.03	
4.814	156037	149062	0.955	0.18	
4.848	239300	233617	0.976	0.28	
4.895	1221737	985481	0.807	1.46	
4.958	58840	41257	0.701	0.07	
5.037	85057	75952	0.893	0.10	
5.100	246503	215312	0.873	0.29	
5.163	1183240	1075758	0.909	1.41	
5.212	41947	29637	0.707	0.05	
5.310	13373	10637	0.795	0.01	
5.363	57749	52832	0.915	0.06	
5.407	268815	254856	0.948	0.32	
5.446	13974	15175	1.086	0.01	
5.478	527498	492186	0.933	0.63	
5.510	745390	669137	0.898	0.89	
5.576	10212	10260	1.005	0.01	
5.603	17026	12475	0.733	0.02	
5.676	1384577	1280481	0.925	1.65	
5.710	943302	526346	0.558	1.12	
5.786	3233298	2804467	0.867	3.87	
5.882	208249	189092	0.908	0.24	
5.930	96479	76874	0.797	0.11	
5.993	545401	501421	0.919	0.65	
6.029	1181491	1139915	0.965	1.41	
6.055	3616031	3141367	0.869	4.33	
6.169	2379439	1526966	0.642	2.84	
6.256	501646	311664	0.621	0.60	
6.301	4216761	3413991	0.810	5.04	8 Aroclor 1260
6.334	589361	516529	0.876	0.70	
6.373	133856	105313	0.787	0.16	
6.433	474923	416467	0.877	0.56	
6.486	96367	124001	1.287	0.11	
6.510	2278472	2020249	0.887	2.72	
6.535	319186	362341	1.135	0.38	
6.561	1371229	1239953	0.904	1.64	
6.606	126514	100966	0.798	0.15	
6.661	435030	401966	0.924	0.52	
6.718	2436948	2139504	0.878	2.91	
6.760	1379678	1221074	0.885	1.65	
6.803	1012423	886702	0.876	1.21	
6.839	204549	179535	0.878	0.24	
6.867	101951	86190	0.845	0.12	
6.915	150840	138650	0.919	0.18	
6.944	471585	431542	0.915	0.56	
7.006	5169251	4474270	0.866	6.18	8 Aroclor 1260
7.035	349824	352477	1.008	0.41	
7.076	161438	129444	0.802	0.19	
7.122	226639	191125	0.843	0.27	
7.252	2431978	2174432	0.894	2.91	8 Aroclor 1260
7.282	689708	552481	0.801	0.82	
7.391	1295375	1038752	0.802	1.55	
7.443	1492830	1281759	0.859	1.78	8 Aroclor 1260
7.554	105447	79274	0.752	0.12	
7.692	611618	562958	0.920	0.73	
7.728	153573	121839	0.793	0.18	
7.801	84844	63857	0.753	0.10	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.902	1408195	1200861	0.853	1.68	8 Aroclor 1260
7.965	99066	72839	0.735	0.11	
8.277	469900	412226	0.877	0.56	
8.379	12566	10774	0.857	0.01	
8.571	5248206	4347540	0.828	6.28	$ 12 Decachlorobiphenyl
8.945	16720	11361	0.679	0.02	
9.471	16512	10298	0.624	0.01	
	83510046	71509948		100.000	

Total unknown % area = 56

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618078.D
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 06-MAR-2018 21:16
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1660-icv, 185565:1
Misc Info : 17498,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030618.b\pcba030618.m
Meth Date : 22-Mar-2018 13:34 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 40 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	5932090	0.05000	0.048			
5 Aroclor 1016					CAS #: 12674-11-2			
3.317	3.318	-0.001	1575914	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.512	3.512	0.000	1583522	0.50000	0.51	0.00- 20.00	100.48	BA
3.826	3.826	0.000	4508685	0.50000	0.51	0.00- 20.00	286.10	BA
3.928	3.929	-0.001	1926630	0.50000	0.51	0.00- 20.00	122.25	BA
3.994	3.994	0.000	1286237	0.50000	0.49	0.00- 20.00	81.62	BA
Average of Peak Amounts =					0.50600			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	4216761	0.50000	0.48	0.00- 20.00	100.00(M)	CO
7.005	7.006	-0.001	5169251	0.50000	0.52	0.00- 20.00	122.59	CO
7.251	7.251	0.000	2431977	0.50000	0.51	0.00- 20.00	57.67	CO
7.442	7.443	-0.001	1492830	0.50000	0.51	0.00- 20.00	35.40	CO
7.901	7.901	0.000	1408195	0.50000	0.53	0.00- 20.00	33.40	CO
Average of Peak Amounts =					0.51000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	5248206	0.05000	0.048			

QC Flag Legend

M - Compound response manually integrated.

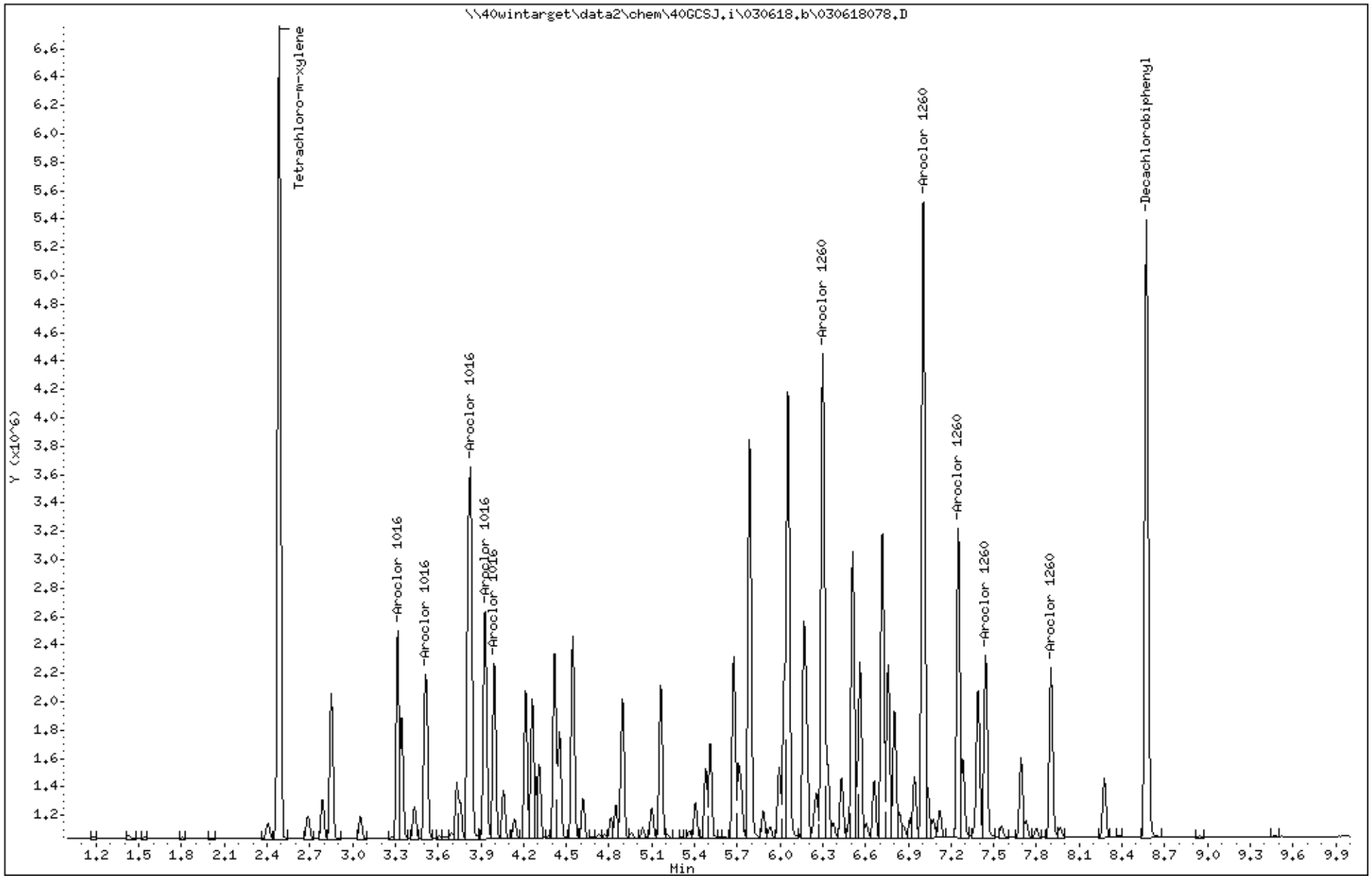
QC Flag Legend

Review Codes Legend

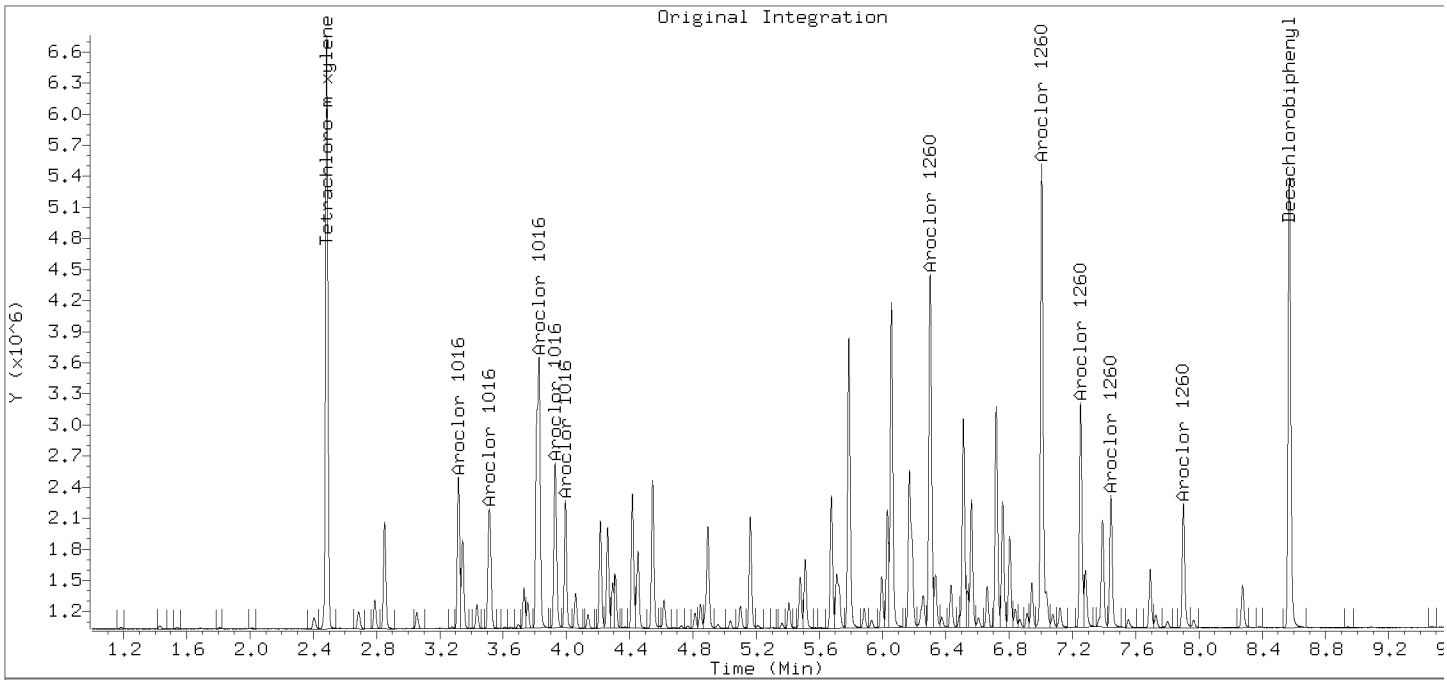
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

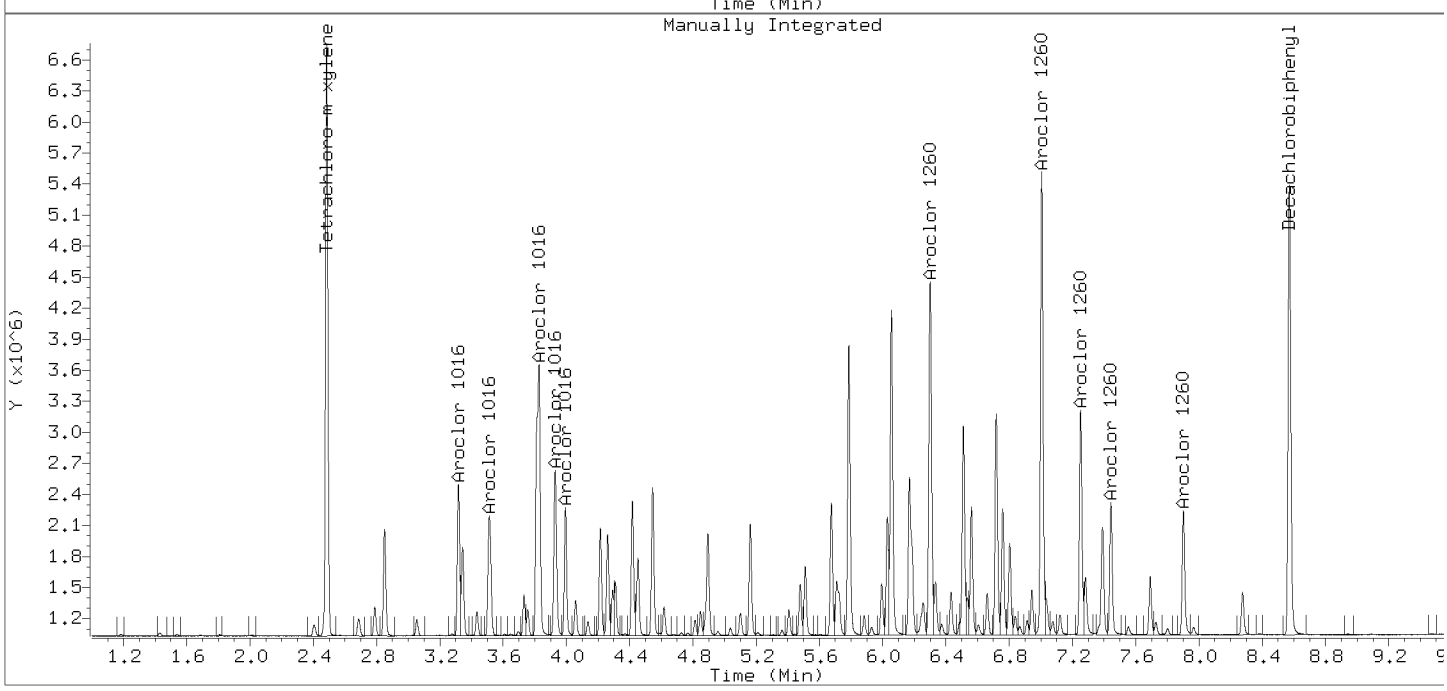
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618078.D
Date : 06-MAR-2018 21:16
Client ID: 1660-ICV
Sample Info: 1660-ICV, 185565:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b/030618078.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 21:16 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1566175	1575914	BA
Aroclor 1016	1566175	1575914	BA
Aroclor 1016	1566175	1575914	BA
Aroclor 1016	1566175	1575914	BA
Aroclor 1016	1566175	1575914	BA
Aroclor 1260	4198281	4216761	CO
Aroclor 1260	4198281	4216761	CO
Aroclor 1260	4198281	4216761	CO
Aroclor 1260	4198281	4216761	CO
Aroclor 1260	4198281	4216761	CO
Tetrachloro-m-xylene	5932090	5932090	
Decachlorobiphenyl	5248206	5248206	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418004.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 14-MAR-2018 13:12
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 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
1.182	22076	17935	0.812	0.05		
1.430	39238	30892	0.787	0.10		
1.541	19164	13983	0.730	0.05		
1.685	16120	10882	0.675	0.04		
1.806	16509	13973	0.846	0.04		
2.009	17580	12745	0.725	0.04		
2.405	115981	91487	0.789	0.30		
2.485	5888335	5613246	0.953	15.88	$ 2 Tetrachloro-m-xylene	
2.687	171095	140396	0.821	0.44		
2.789	260946	244164	0.936	0.68		
2.851	909776	851980	0.936	2.38		
3.055	137084	129521	0.945	0.36		
3.279	22074	16599	0.752	0.05		
3.318	1255470	1168373	0.931	3.29	3 Aroclor 1242	BA
3.344	702067	669480	0.954	1.84		
3.435	197936	180141	0.910	0.51		
3.514	1236536	900390	0.728	3.24	3 Aroclor 1242	BA
3.609	18910	16358	0.865	0.04		
3.695	38171	33394	0.875	0.10		
3.733	310197	314001	1.012	0.81		
3.756	205378	191849	0.934	0.53		
3.827	3460588	2056369	0.594	9.09	3 Aroclor 1242	BA
3.930	1487913	1260705	0.847	3.90	3 Aroclor 1242	BA
3.994	985943	960466	0.974	2.58	3 Aroclor 1242	BA
4.059	296137	272644	0.921	0.77		
4.137	117009	105726	0.904	0.30		
4.215	835166	816313	0.977	2.19		
4.261	804392	773226	0.961	2.11		
4.293	310468	338069	1.089	0.81		
4.310	430859	390008	0.905	1.13		
4.371	29754	19790	0.665	0.07		
4.418	1104858	1056191	0.956	2.90		
4.452	840769	631429	0.751	2.20		
4.546	1420053	1329669	0.936	3.73		
4.592	19452	19420	0.998	0.05		
4.617	326036	304299	0.933	0.85		
4.678	26145	19683	0.753	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.727	68612	60112	0.876	0.18	
4.769	81072	73992	0.913	0.21	
4.814	657026	631706	0.961	1.72	
4.848	1121735	1105088	0.985	2.94	
4.879	1445784	1073292	0.742	3.79	
4.960	162404	131137	0.807	0.42	
5.037	1182939	1100605	0.930	3.10	
5.100	264233	208210	0.788	0.69	
5.163	303561	268294	0.884	0.79	
5.212	233196	207188	0.888	0.61	
5.285	18911	19607	1.037	0.04	
5.311	53463	44553	0.833	0.14	
5.364	200175	170063	0.850	0.52	
5.407	325034	280038	0.862	0.85	
5.446	218342	180420	0.826	0.57	
5.511	529005	409685	0.774	1.38	
5.604	161355	137557	0.853	0.42	
5.718	37481	28404	0.758	0.09	
5.740	45007	38765	0.861	0.11	
5.793	359972	305266	0.848	0.94	
5.889	60748	35982	0.592	0.15	
6.024	349104	269609	0.772	0.91	
6.172	23208	22123	0.953	0.06	
6.299	101788	88029	0.865	0.26	
6.331	25182	19687	0.782	0.06	
6.375	17173	16197	0.943	0.04	
6.536	34760	31749	0.913	0.09	
6.608	14704	8524	0.580	0.03	
6.801	23516	21659	0.921	0.06	
7.247	13141	9241	0.703	0.03	
7.730	25515	23370	0.916	0.06	
7.801	16274	14505	0.891	0.04	
8.277	49081	39467	0.804	0.12	
8.375	13242	10800	0.816	0.03	
8.572	5097087	4226833	0.829	13.38	$ 12 Decachlorobiphenyl
8.943	15637	12998	0.831	0.04	
9.469	14777	10007	0.677	0.03	
9.877	607033	91945	0.151	1.59	
	38067466	32442503		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418004.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 14-MAR-2018 13:12
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	5888335	0.05000	0.048			
3 Aroclor 1242						CAS #: 53469-21-9		
3.317	3.318	-0.001	1255470	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	1236536	0.50000	0.49	0.00- 20.00	98.49	BA
3.826	3.827	-0.001	3460588	0.50000	0.49	0.00- 20.00	275.64	BA
3.929	3.929	0.000	1487912	0.50000	0.49	0.00- 20.00	118.51	BA
3.993	3.995	-0.002	985943	0.50000	0.48	0.00- 20.00	78.53	BA
Average of Peak Amounts =					0.49000			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.572	8.571	0.001	5097087	0.05000	0.046			

QC Flag Legend

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\40GCSJ.i\031418.b\031418004.D

Date : 14-MAR-2018 13:12

Client ID: 1242-CCV

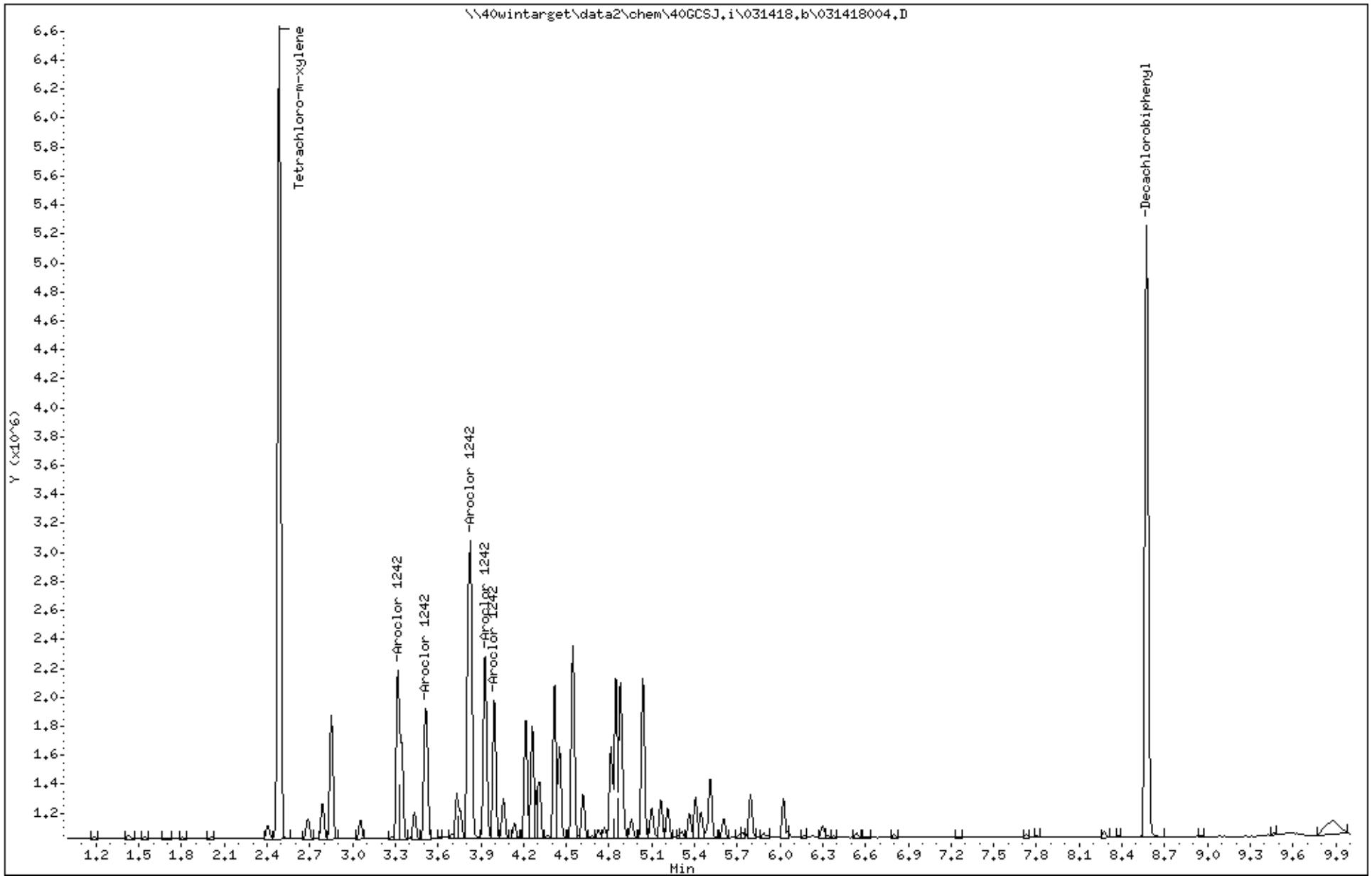
Instrument: 40GCSJ.i

Sample Info: 1242-CCV, 185544:1

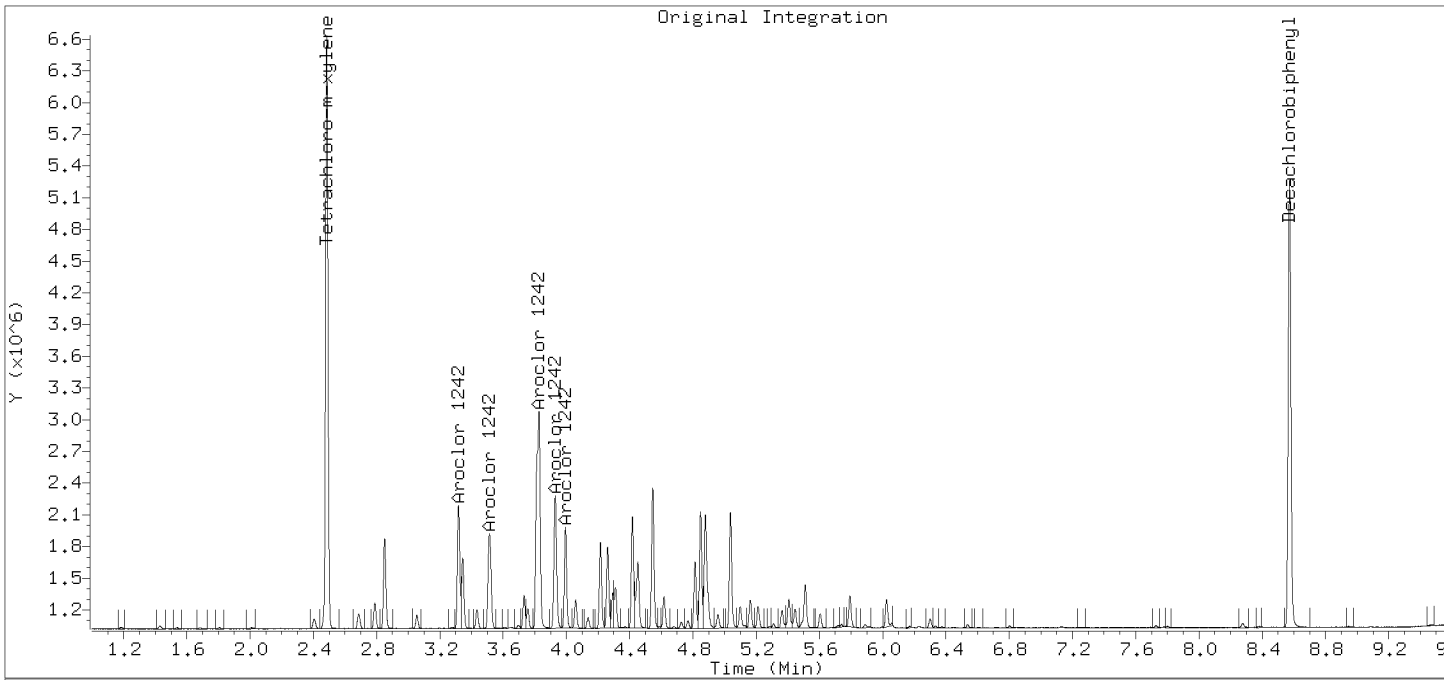
Operator: BLM

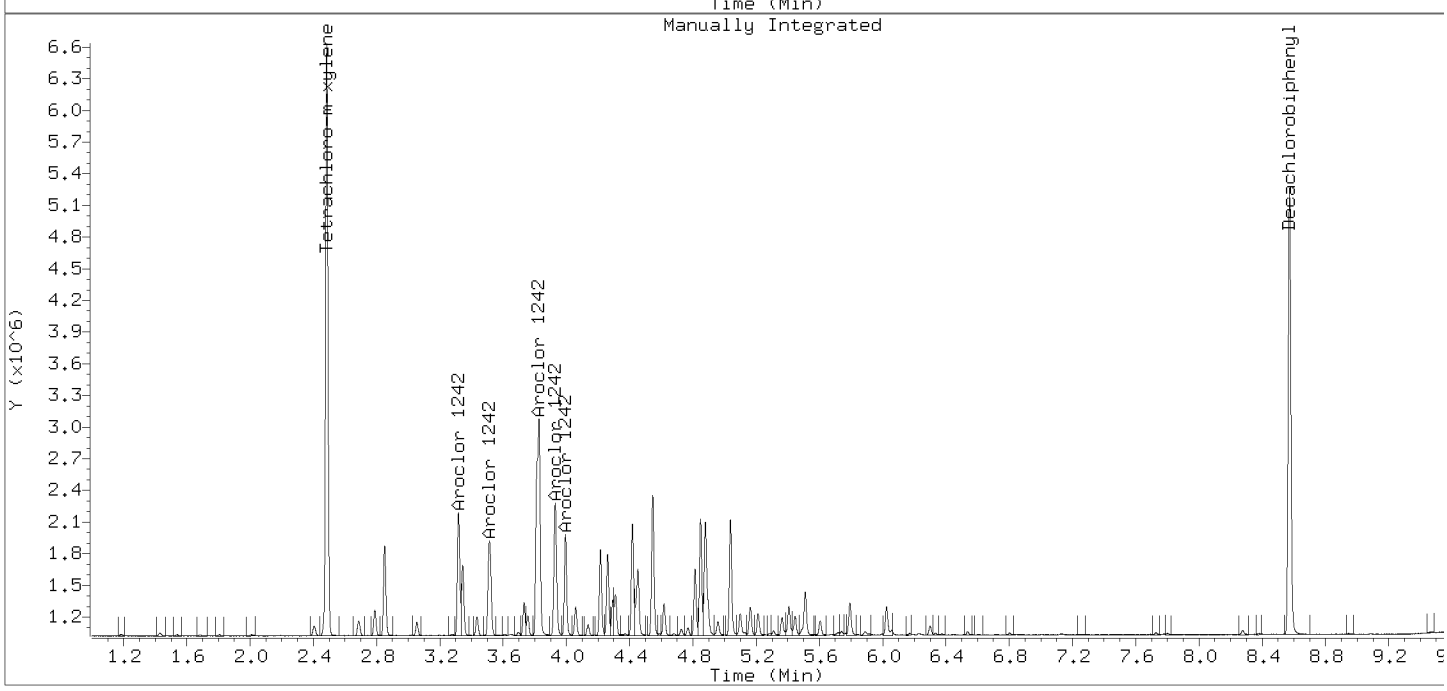
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418004.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 14-MAR-2018 13:12 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1248314	1255470	BA
Aroclor 1242	1248314	1255470	BA
Aroclor 1242	1248314	1255470	BA
Aroclor 1242	1248314	1255470	BA
Aroclor 1242	1248314	1255470	BA
Tetrachloro-m-xylene	5888335	5888335	
Decachlorobiphenyl	5097087	5097087	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418016.D
Lab Smp Id: 1248-CCV Client Smp ID: 1248-CCV
Inj Date : 14-MAR-2018 16:22
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-ccv, 185549:1
Misc Info : 17498,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 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
1.183	18627	13256	0.712	0.04		
1.428	36768	32675	0.889	0.08		
1.534	14066	14342	1.020	0.03		
1.686	13130	13208	1.006	0.02		
2.011	10133	9076	0.896	0.02		
2.405	27213	17737	0.652	0.06		
2.484	6032956	5829574	0.966	13.98	$ 2 Tetrachloro-m-xylene	
2.687	34908	26724	0.766	0.07		
2.788	119717	111094	0.928	0.26		
2.850	195041	177689	0.911	0.43		
3.054	64449	55436	0.860	0.14		
3.317	718105	686764	0.956	1.61		
3.345	299217	285038	0.953	0.67		
3.433	72953	60617	0.831	0.16		
3.516	603279	437537	0.725	1.35		
3.611	17289	18206	1.053	0.03		
3.732	136608	137299	1.005	0.30		
3.757	57934	57809	0.998	0.13		
3.815	1057961	1244674	1.176	2.37		
3.826	1355215	1290034	0.952	3.04		
3.931	912472	714020	0.783	2.04		
3.994	602488	593646	0.985	1.35		
4.059	344628	324565	0.942	0.77		
4.135	146530	131406	0.897	0.32		
4.214	1499401	1400578	0.934	3.36		
4.262	1200161	1137794	0.948	2.69	6 Aroclor 1248	BA
4.292	493781	506105	1.025	1.10		
4.310	521623	495104	0.949	1.17		
4.417	1835807	1730766	0.943	4.12		
4.453	902046	773821	0.858	2.02		
4.545	2094456	1955584	0.934	4.70	6 Aroclor 1248	BA
4.590	29033	31907	1.099	0.06		
4.617	483093	462687	0.958	1.08		
4.680	26626	21385	0.803	0.05		
4.727	64575	50218	0.778	0.14		
4.768	110472	109009	0.987	0.24		
4.813	1056328	1019316	0.965	2.37	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.848	2008478	1926373	0.959	4.50	
4.879	2586326	1744443	0.674	5.80	6 Aroclor 1248
4.957	302271	250896	0.830	0.67	
5.037	1850271	1791747	0.968	4.15	6 Aroclor 1248
5.099	648459	513391	0.792	1.45	
5.163	779707	705528	0.905	1.75	
5.212	552822	504757	0.913	1.24	
5.285	38549	36530	0.948	0.08	
5.309	123207	108433	0.880	0.27	
5.363	497849	437511	0.879	1.11	
5.406	821310	728844	0.887	1.84	
5.446	510589	462807	0.906	1.14	
5.511	1374644	1178494	0.857	3.08	
5.604	389101	353439	0.908	0.87	
5.673	47947	39201	0.818	0.10	
5.717	81548	63494	0.779	0.18	
5.740	103264	90439	0.876	0.23	
5.764	29666	41638	1.404	0.06	
5.792	942978	767008	0.813	2.11	
5.890	127991	82458	0.644	0.28	
5.994	29893	29133	0.975	0.06	
6.024	799758	717924	0.898	1.79	
6.057	155771	128120	0.822	0.34	
6.169	86517	55456	0.641	0.19	
6.227	52978	30864	0.583	0.11	
6.300	242370	208493	0.860	0.54	
6.335	45347	39677	0.875	0.10	
6.374	35107	30664	0.873	0.07	
6.510	40730	38512	0.946	0.09	
6.536	98531	71340	0.724	0.22	
6.603	17977	11312	0.629	0.04	
6.662	10230	9472	0.926	0.02	
6.720	43466	37297	0.858	0.09	
6.759	22376	19324	0.864	0.05	
6.804	47588	41152	0.865	0.10	
6.840	20806	15662	0.753	0.04	
7.005	80748	65198	0.807	0.18	
7.120	10187	10010	0.983	0.02	
7.253	32716	26820	0.820	0.07	
7.281	9398	8624	0.918	0.02	
7.390	31404	28309	0.901	0.07	
7.446	39542	30627	0.775	0.08	
7.691	15327	14556	0.950	0.03	
7.728	25197	23694	0.940	0.05	
7.801	22218	13854	0.624	0.04	
7.903	29108	26720	0.918	0.06	
8.275	59263	49344	0.833	0.13	
8.377	15156	10204	0.673	0.03	
8.572	5357294	4462099	0.833	12.02	$ 12 Decachlorobiphenyl
8.935	9803	6990	0.713	0.02	
9.469	13670	9800	0.717	0.03	
9.961	11612	9138	0.787	0.02	
	44538155	40084520		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418016.D
Lab Smp Id: 1248-CCV Client Smp ID: 1248-CCV
Inj Date : 14-MAR-2018 16:22
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1248-ccv, 185549:1
Misc Info : 17498,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	6032956	0.05000	0.049			
6 Aroclor 1248						CAS #: 12672-29-6		
4.261	4.261	0.000	1200160	0.50000	0.51	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	2094455	0.50000	0.50	0.00- 20.00	174.51	BA
4.813	4.812	0.001	1056327	0.50000	0.52	0.00- 20.00	88.02	BA
4.878	4.879	-0.001	2586326	0.50000	0.51	0.00- 20.00	215.50	BA
5.037	5.038	-0.001	1850271	0.50000	0.52	0.00- 20.00	154.17	BA
Average of Peak Amounts =					0.51200			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.572	8.571	0.001	5357293	0.05000	0.049			

QC Flag Legend

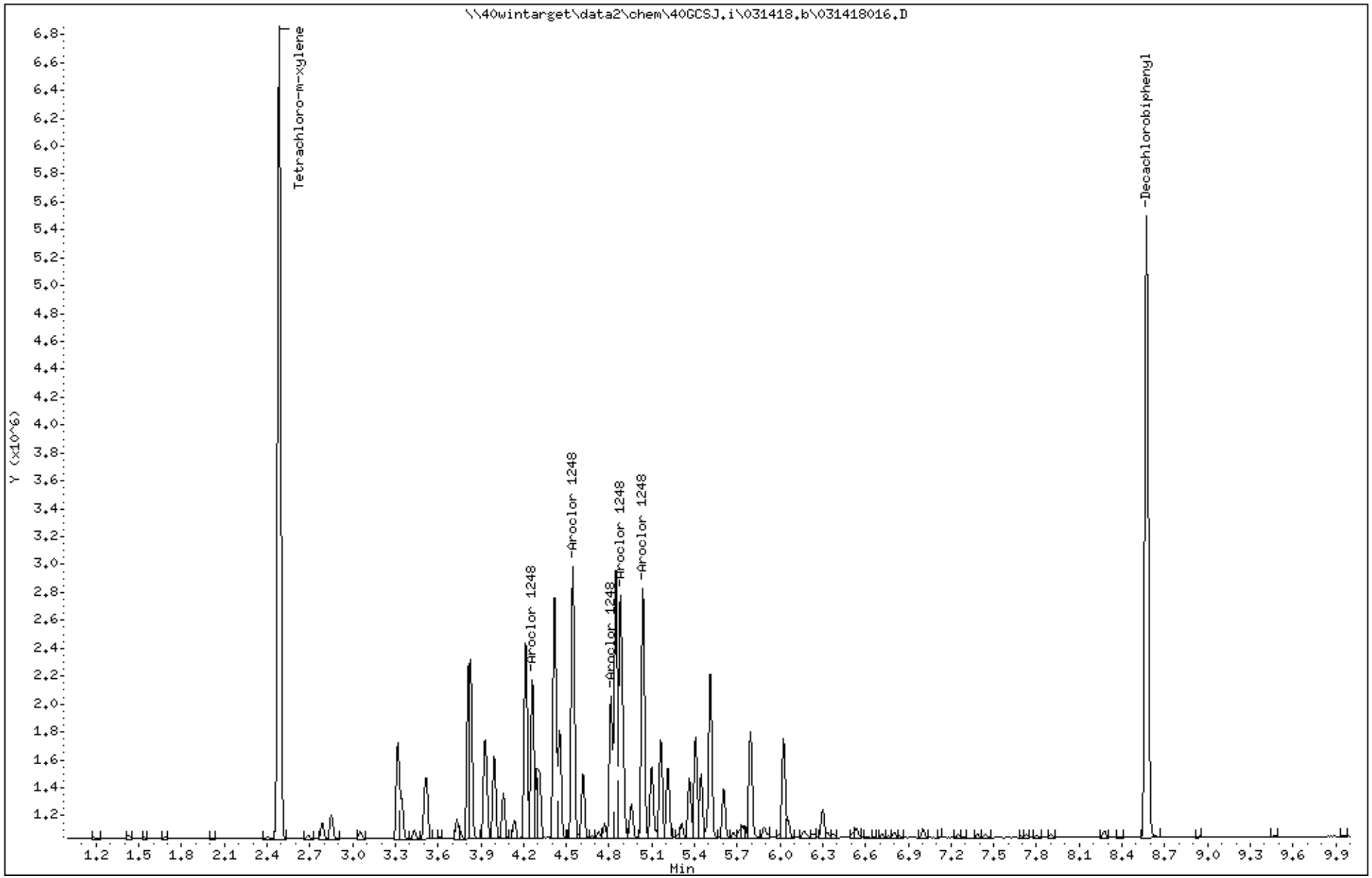
M - Compound response manually integrated.

Review Codes Legend

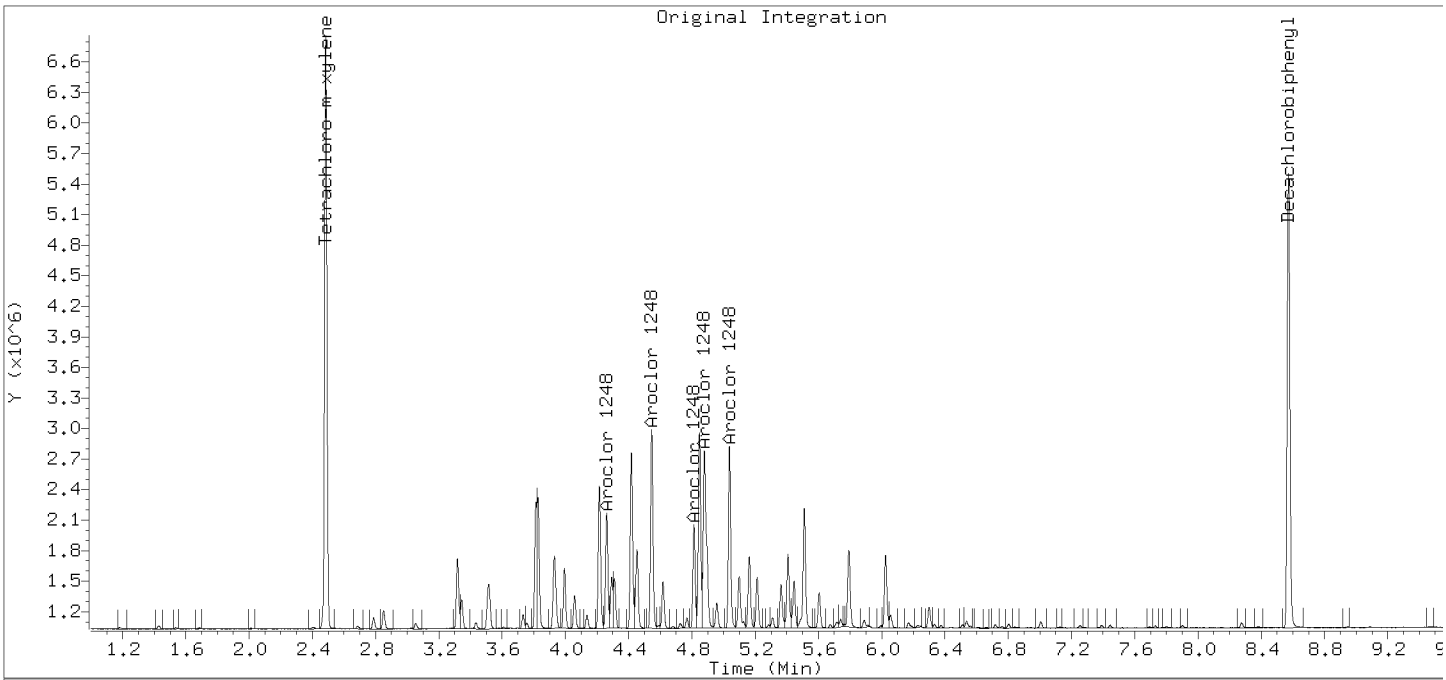
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

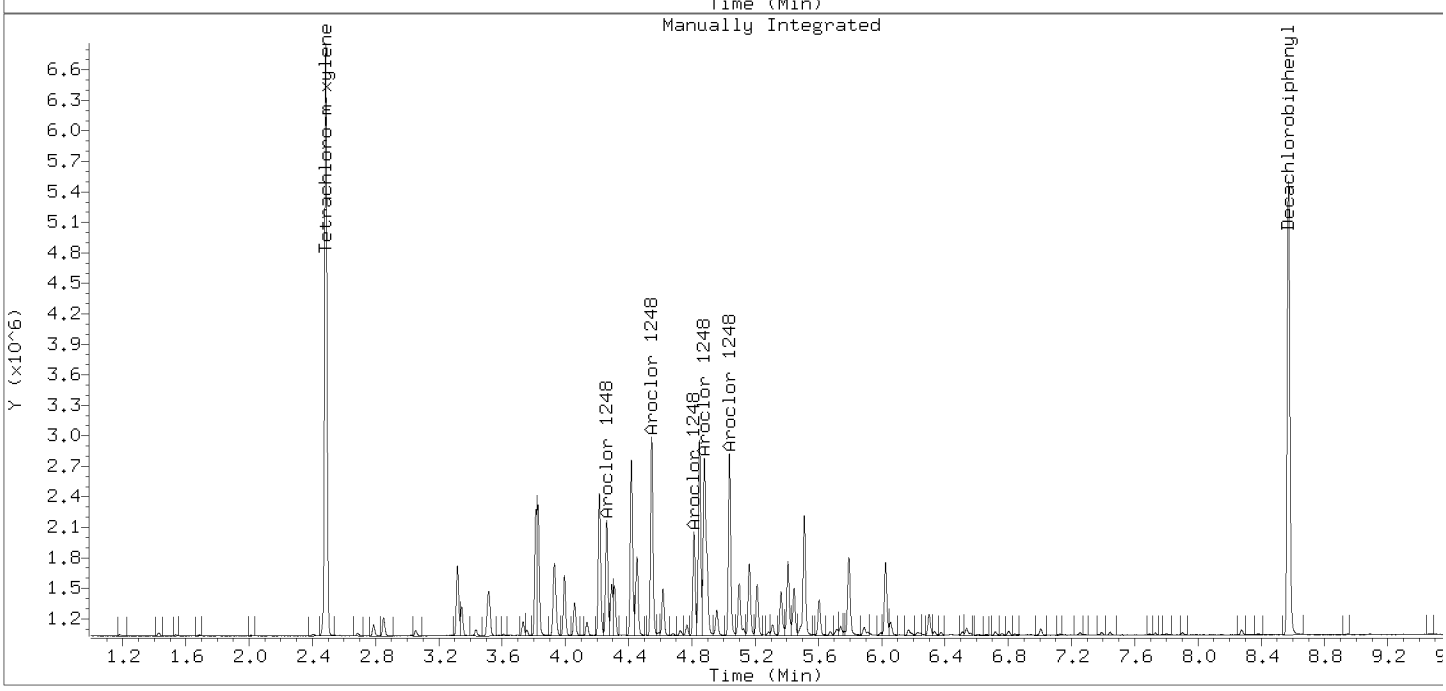
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418016.D
Date : 14-MAR-2018 16:22
Client ID: 1248-CCV
Sample Info: 1248-CCV, 185549:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418016.D (ManInt: AR1248.sub Orig: AR1248.sub)
Injection Date: 14-MAR-2018 16:22 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1248-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1190556	1200160	BA
Aroclor 1248	1190556	1200160	BA
Aroclor 1248	1190556	1200160	BA
Aroclor 1248	1190556	1200160	BA
Aroclor 1248	1190556	1200160	BA
Tetrachloro-m-xylene	6032956	6032956	
Decachlorobiphenyl	5357293	5357293	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418025.D
Lab Smp Id: 1254-CCV Client Smp ID: 1254-CCV
Inj Date : 14-MAR-2018 18:45
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-ccv, 185554:1
Misc Info : 17498,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 25 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
1.184	24572	20116	0.819	0.04		
1.429	36622	31232	0.853	0.06		
1.539	20957	13856	0.661	0.03		
1.688	17722	13538	0.764	0.03		
2.010	17777	12901	0.726	0.03		
2.485	6021859	5676111	0.943	11.72	$ 2 Tetrachloro-m-xylene	
2.786	86525	81827	0.946	0.16		
2.853	21069	18842	0.894	0.03		
3.032	12297	10731	0.873	0.02		
3.051	21824	21017	0.963	0.04		
3.317	34182	27244	0.797	0.06		
3.513	30637	22358	0.730	0.05		
3.611	19057	18113	0.950	0.03		
3.813	75556	52102	0.690	0.14		
3.933	61417	41905	0.682	0.11		
3.995	36753	29239	0.796	0.06		
4.057	26484	21425	0.809	0.04		
4.129	10042	9411	0.937	0.01		
4.215	1234432	1175472	0.952	2.31		
4.261	326766	322407	0.987	0.61		
4.293	62101	46515	0.749	0.11		
4.417	758074	740736	0.977	1.42		
4.454	72519	67618	0.932	0.13		
4.545	344351	327986	0.952	0.64		
4.591	14249	14184	0.995	0.02		
4.616	60501	55621	0.919	0.11		
4.682	22449	16649	0.742	0.04		
4.728	10906	9182	0.842	0.02		
4.768	22259	19942	0.896	0.04		
4.813	292766	286646	0.979	0.54		
4.848	1132250	1069440	0.945	2.12		
4.894	2407481	1904557	0.791	4.51		
4.957	384890	349458	0.908	0.72		
5.037	246240	230251	0.935	0.46		
5.099	1413141	1244721	0.881	2.65		
5.162	2602349	2407445	0.925	4.88	7 Aroclor 1254	BA
5.212	1183950	1095673	0.925	2.22		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.283	60819	58379	0.960	0.11	
5.309	213913	202347	0.946	0.40	
5.364	1036263	949891	0.917	1.94	
5.407	2174206	1971673	0.907	4.08	7 Aroclor 1254
5.446	737824	691000	0.937	1.38	
5.478	258469	254600	0.985	0.48	
5.510	3884254	3534104	0.910	7.28	7 Aroclor 1254
5.577	28886	30260	1.048	0.05	
5.604	539802	503344	0.932	1.01	
5.675	346396	327137	0.944	0.65	
5.711	533598	353736	0.663	1.00	
5.740	339950	285535	0.840	0.63	
5.791	3962745	3181602	0.803	7.43	
5.885	344321	278009	0.807	0.64	
5.926	174589	115122	0.659	0.32	
5.994	325318	317899	0.977	0.61	
6.026	2548480	2148892	0.843	4.78	7 Aroclor 1254
6.056	1723792	1505010	0.873	3.23	
6.169	707776	596569	0.843	1.32	
6.228	288011	298024	1.035	0.54	
6.241	321442	295463	0.919	0.60	
6.299	3322960	2873175	0.865	6.23	7 Aroclor 1254
6.334	572000	551168	0.964	1.07	
6.373	325427	277824	0.854	0.61	
6.436	80149	49444	0.617	0.15	
6.489	18645	16257	0.872	0.03	
6.509	117671	125936	1.070	0.22	
6.536	1131240	904878	0.800	2.12	
6.604	161818	138021	0.853	0.30	
6.662	27108	23701	0.874	0.05	
6.718	219047	185836	0.848	0.41	
6.758	130281	116871	0.897	0.24	
6.802	638961	602524	0.943	1.19	
6.844	166163	118835	0.715	0.31	
6.941	56974	51490	0.904	0.10	
7.005	419420	401028	0.956	0.78	
7.038	30589	26386	0.863	0.05	
7.076	19919	17593	0.883	0.03	
7.252	364881	329635	0.903	0.68	
7.282	70393	65760	0.934	0.13	
7.393	21162	15756	0.745	0.03	
7.443	27862	22845	0.820	0.05	
7.554	25351	17779	0.701	0.04	
7.692	14805	13185	0.891	0.02	
7.727	20847	20709	0.993	0.03	
7.778	9359	10676	1.141	0.01	
7.801	15639	14010	0.896	0.02	
7.899	27971	20098	0.719	0.05	
8.273	53919	43404	0.805	0.10	
8.572	5402337	4646474	0.860	10.13	$ 12 Decachlorobiphenyl
8.939	13359	10613	0.794	0.02	
9.472	37063	18505	0.499	0.06	
9.961	27608	21916	0.794	0.05	
	53288806	47157399		100.000	

Total unknown % area = 51

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418025.D
Lab Smp Id: 1254-CCV Client Smp ID: 1254-CCV
Inj Date : 14-MAR-2018 18:45
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1254-ccv, 185554:1
Misc Info : 17498,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	6021858	0.05000	0.049			
7 Aroclor 1254						CAS #: 11097-69-1		
5.162	5.162	0.000	2602349	0.50000	0.50	0.00- 20.00	100.00(M)	BA
5.406	5.408	-0.002	2174205	0.50000	0.50	0.00- 20.00	83.55	BA
5.510	5.510	0.000	3884254	0.50000	0.50	0.00- 20.00	149.26	BA
6.026	6.027	-0.001	2548480	0.50000	0.52	0.00- 20.00	97.93	BA
6.299	6.299	0.000	3322959	0.50000	0.51	0.00- 20.00	127.69	BA
Average of Peak Amounts =					0.50600			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.572	8.571	0.001	5402337	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.

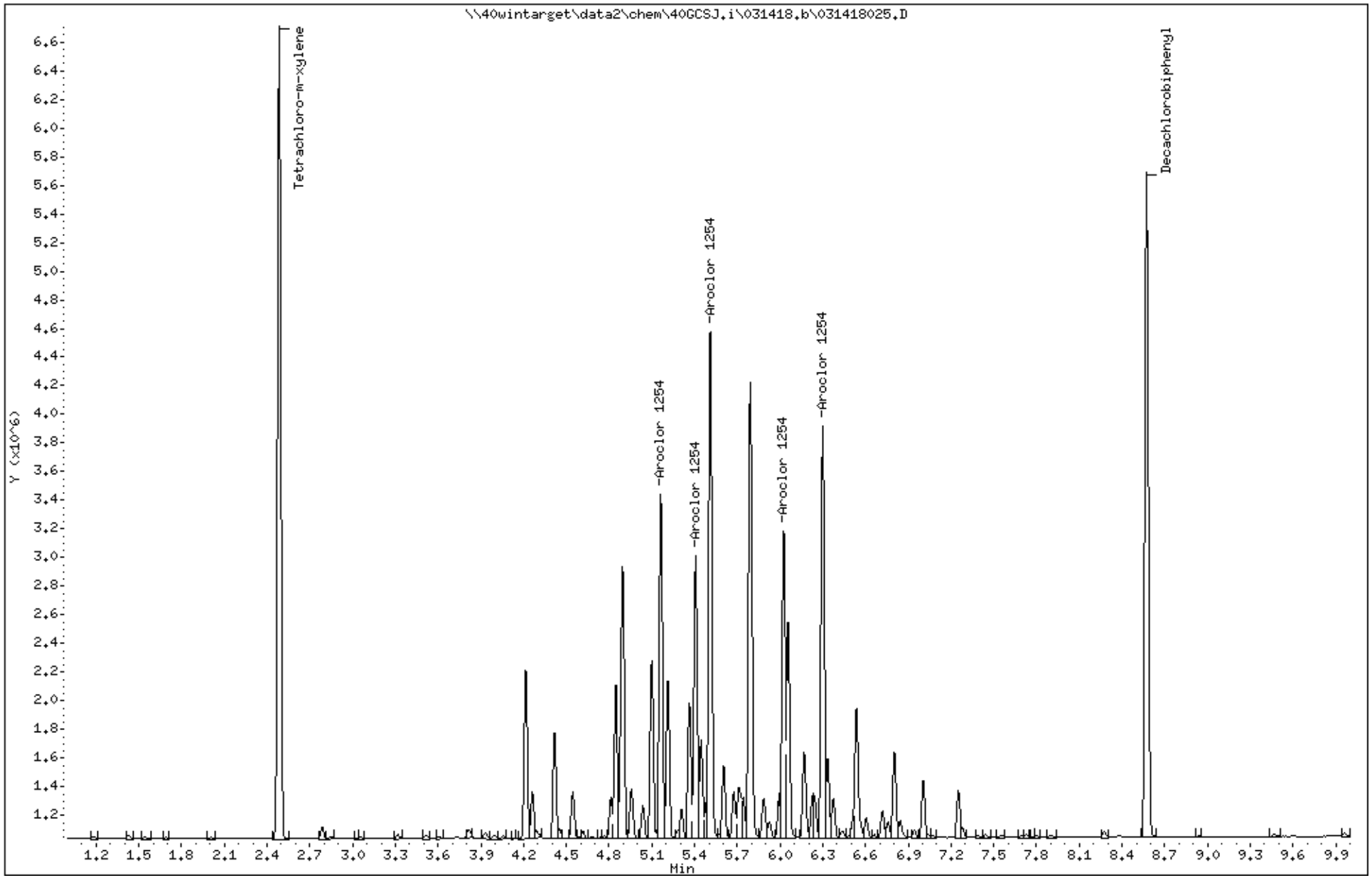
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418025.D
Date : 14-MAR-2018 18:45
Client ID: 1254-CCV
Sample Info: 1254-CCV, 185554:1

Instrument: 40GCSJ.i

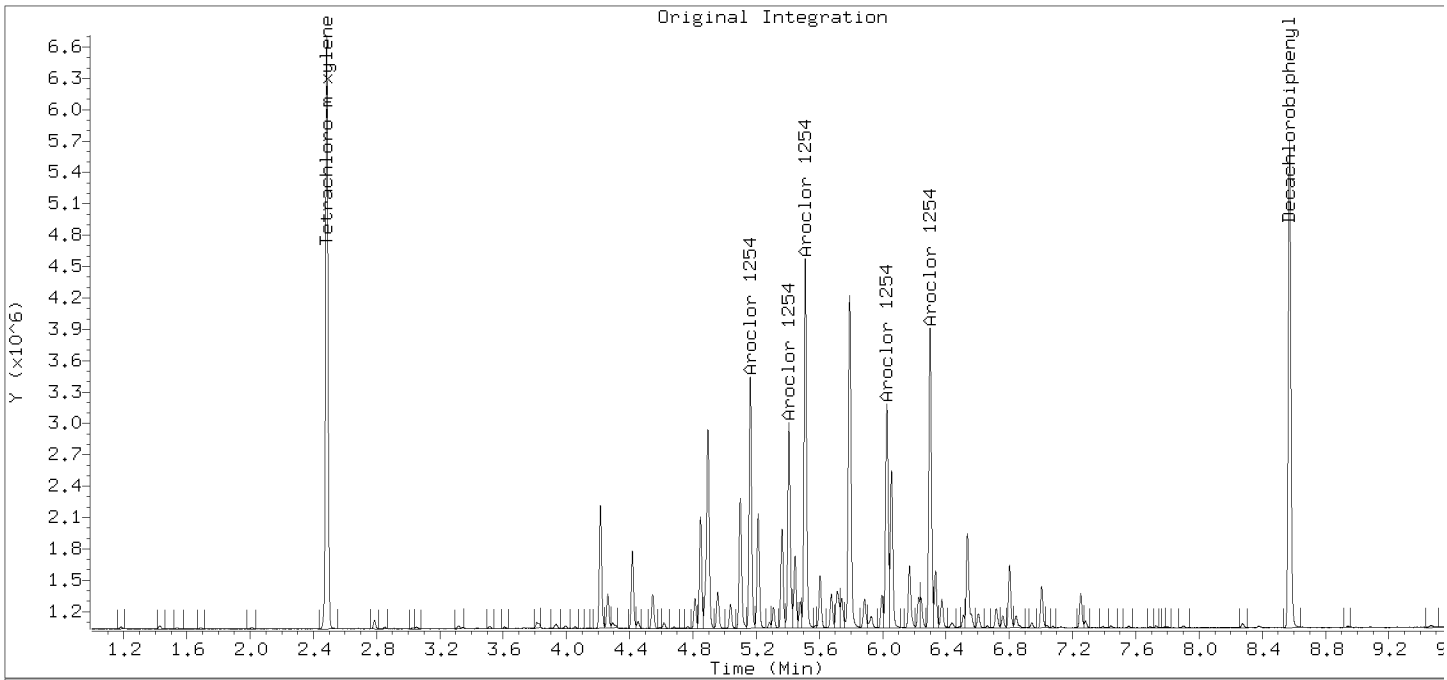
Operator: BLM

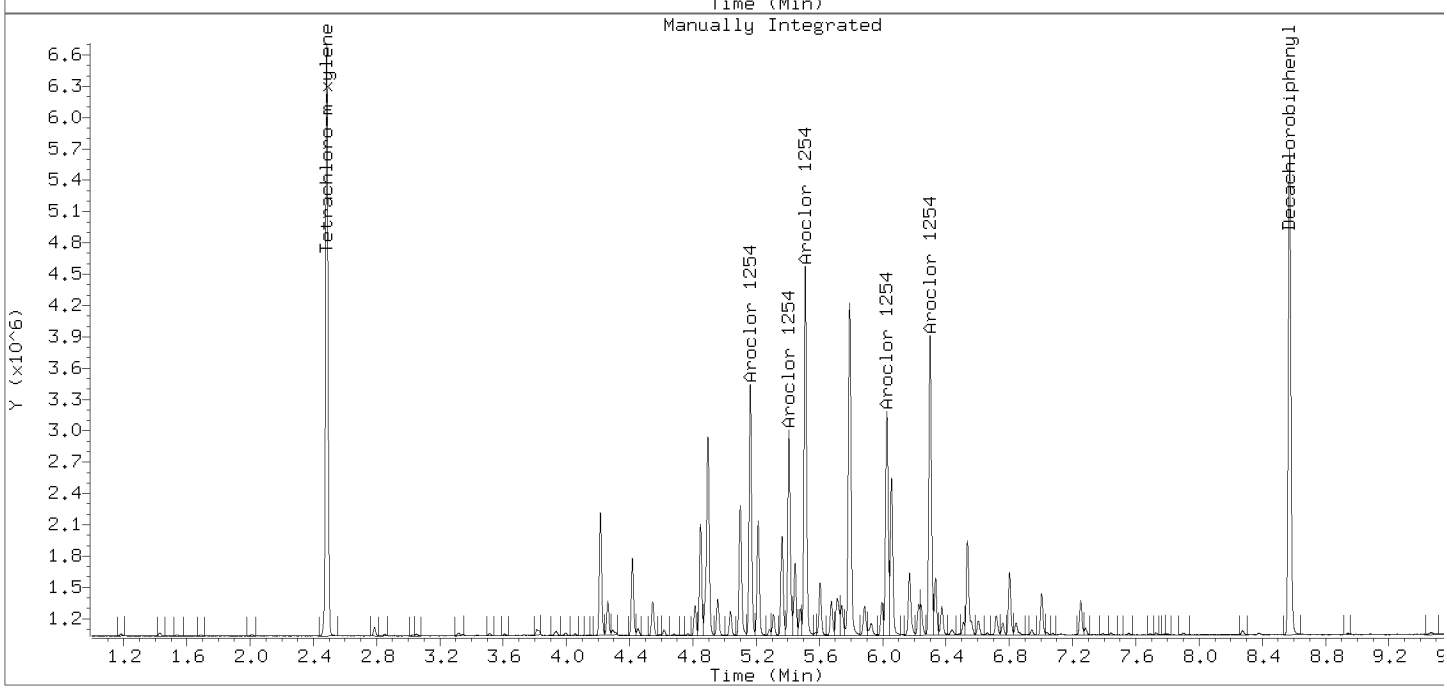
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418025.D (ManInt: AR1254.sub Orig: AR1254.sub)
Injection Date: 14-MAR-2018 18:45 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1254-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	2593104	2602349	BA
Aroclor 1254	2593104	2602349	BA
Aroclor 1254	2593104	2602349	BA
Aroclor 1254	2593104	2602349	BA
Aroclor 1254	2593104	2602349	BA
Tetrachloro-m-xylene	6021858	6021858	
Decachlorobiphenyl	5402337	5402337	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018004.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 20-MAR-2018 13:19
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.182	18769	12886	0.687	0.07		
1.429	32246	27140	0.842	0.13		
1.538	17672	12686	0.718	0.07		
1.687	16874	12883	0.763	0.06		
1.805	279489	238736	0.854	1.14		
2.014	16714	9586	0.574	0.06		
2.197	80947	68027	0.840	0.33		
2.406	183636	136726	0.745	0.75		
2.485	5513237	5173006	0.938	22.96	$ 2 Tetrachloro-m-xylene	
2.688	400252	323681	0.809	1.64		
2.789	367326	336893	0.917	1.50		
2.851	1173523	1049934	0.895	4.81	4 Aroclor 1232	BA
3.055	85153	70376	0.826	0.34		
3.279	64210	44787	0.698	0.26		
3.317	685428	616910	0.900	2.81		
3.344	375417	346526	0.923	1.54		
3.434	113456	99387	0.876	0.46		
3.513	636911	461134	0.724	2.61	4 Aroclor 1232	BA
3.611	18225	15806	0.867	0.07		
3.697	22969	22403	0.975	0.09		
3.731	163746	166117	1.014	0.67		
3.756	111768	104889	0.938	0.45		
3.827	1704173	1002873	0.588	6.99	4 Aroclor 1232	BA
3.930	729265	611968	0.839	2.99	4 Aroclor 1232	BA
3.995	476866	448043	0.940	1.95	4 Aroclor 1232	BA
4.059	146129	125560	0.859	0.59		
4.135	56862	49166	0.865	0.23		
4.214	372764	344032	0.923	1.52		
4.261	356747	334540	0.938	1.46		
4.292	152163	151604	0.996	0.62		
4.310	180155	172692	0.959	0.73		
4.373	17531	12740	0.727	0.07		
4.417	492777	468755	0.951	2.02		
4.452	394065	275637	0.699	1.61		
4.546	624327	571499	0.915	2.56		
4.618	155625	138250	0.888	0.63		
4.727	35969	29926	0.832	0.14		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.766	37422	33152	0.886	0.15	
4.812	271193	259278	0.956	1.11	
4.847	471065	441517	0.937	1.93	
4.878	603935	454838	0.753	2.47	
4.958	75526	56837	0.753	0.30	
5.037	497238	449752	0.905	2.04	
5.097	108384	80076	0.739	0.44	
5.162	121126	104311	0.861	0.49	
5.213	84295	73595	0.873	0.34	
5.308	26103	19600	0.751	0.10	
5.363	78887	64046	0.812	0.32	
5.408	122066	103261	0.846	0.50	
5.446	75099	62808	0.836	0.30	
5.508	205816	148969	0.724	0.84	
5.603	61375	53470	0.871	0.25	
5.674	15851	12606	0.795	0.06	
5.709	20116	12800	0.636	0.08	
5.740	16529	14655	0.887	0.06	
5.792	125160	99179	0.792	0.51	
6.025	99686	86279	0.866	0.40	
6.054	28489	26115	0.917	0.11	
6.168	17974	11588	0.645	0.07	
6.298	36679	29319	0.799	0.15	
6.718	16213	12381	0.764	0.06	
7.003	24916	18794	0.754	0.10	
7.125	23452	12320	0.525	0.09	
7.250	13992	10776	0.770	0.05	
7.728	21558	21775	1.010	0.08	
7.801	24229	20216	0.834	0.09	
8.276	43111	35648	0.827	0.17	
8.375	10847	10387	0.958	0.04	
8.571	4722561	3845910	0.814	19.37	$ 12 Decachlorobiphenyl
	24374284	20774062		100.000	

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018004.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 20-MAR-2018 13:19
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	5513237	0.05000	0.045			
4 Aroclor 1232						CAS #: 1114-16-5		
2.850	2.851	-0.001	1173523	0.50000	0.47	0.00- 20.00	100.00(M)	BA
3.512	3.513	-0.001	636911	0.50000	0.48	0.00- 20.00	54.27	BA
3.826	3.827	-0.001	1704173	0.50000	0.45	0.00- 20.00	145.22	BA
3.929	3.929	0.000	729265	0.50000	0.45	0.00- 20.00	62.14	BA
3.994	3.995	-0.001	476866	0.50000	0.44	0.00- 20.00	40.64	BA
Average of Peak Amounts =					0.45800			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.571	8.571	0.000	4722561	0.05000	0.043			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

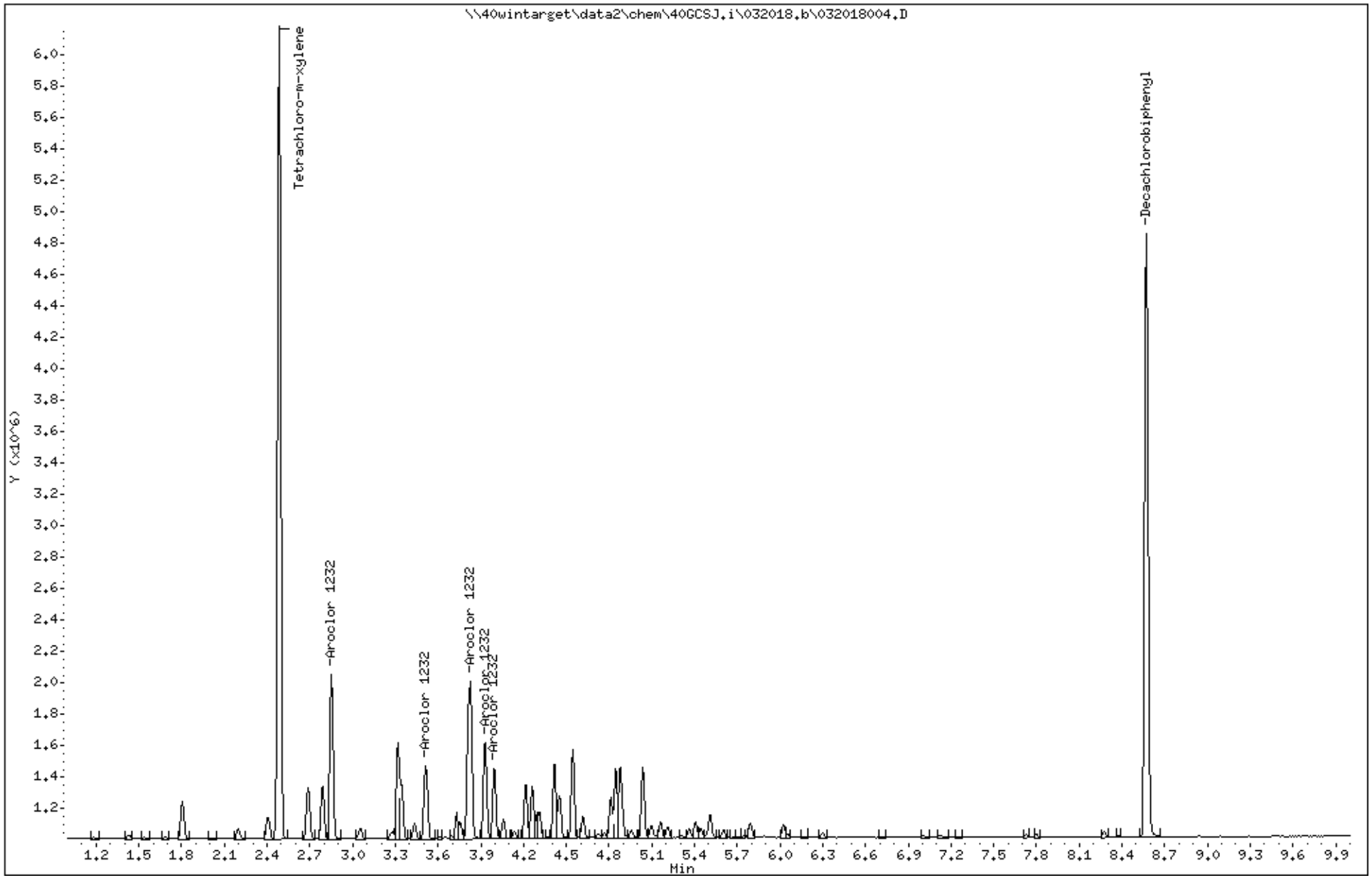
Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018004.D
Date : 20-MAR-2018 13:19
Client ID: 1232-CCV
Sample Info: 1232-CCV, 185539:1

Instrument: 40GCSJ.i

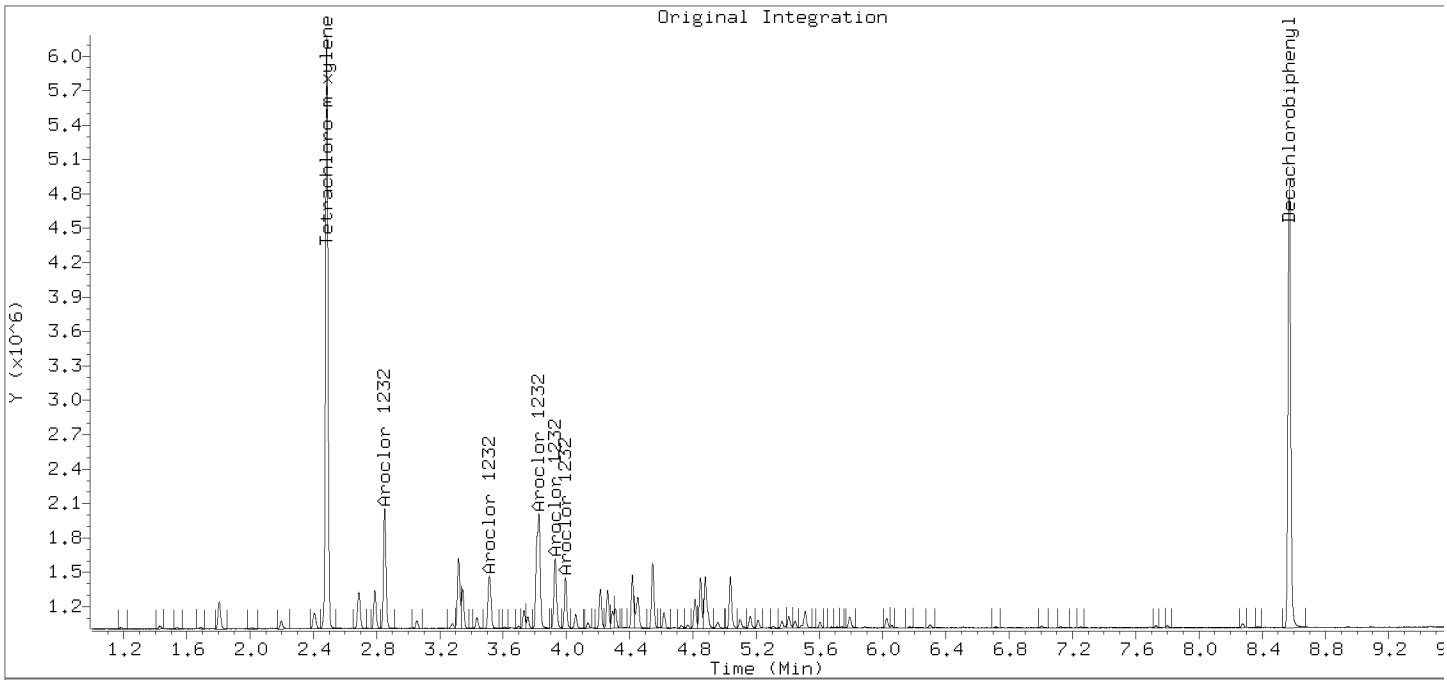
Operator: BLM

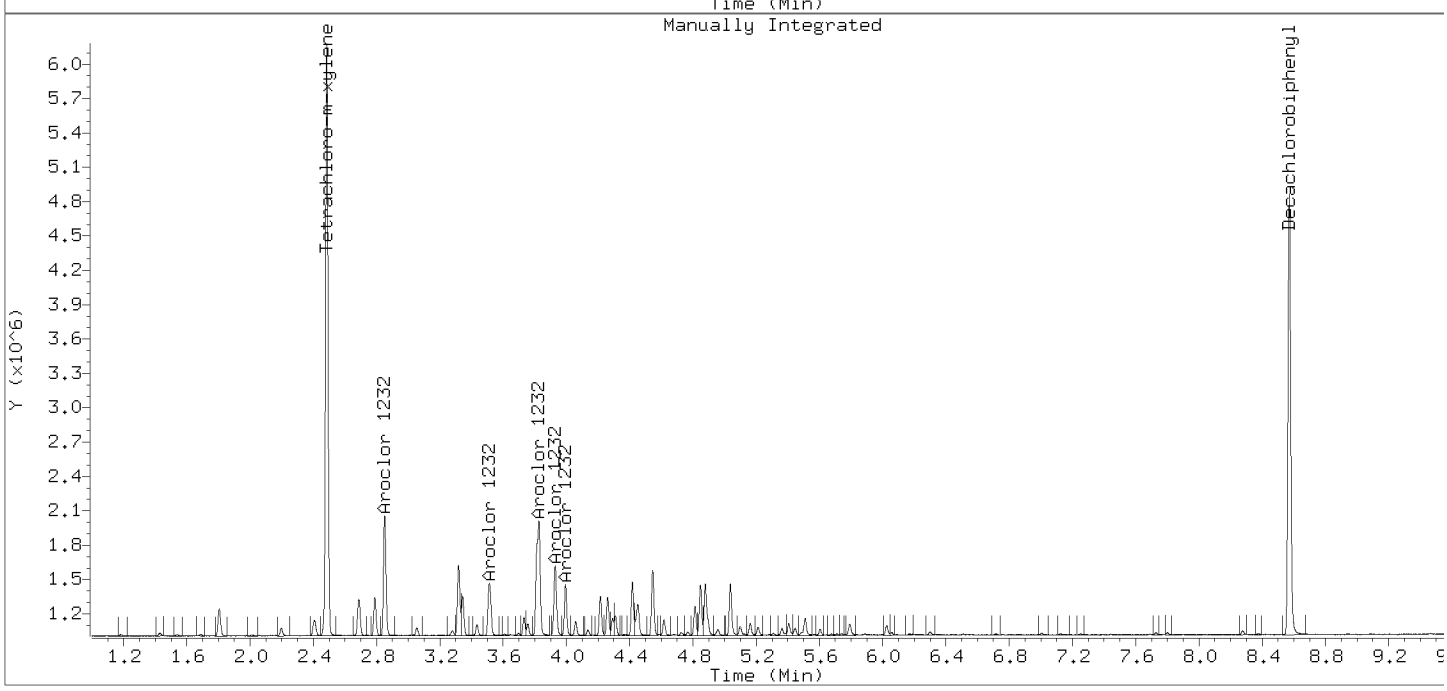
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b/032018004.D (ManInt: AR1232.sub Orig: AR1232.sub)
Injection Date: 20-MAR-2018 13:19 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1232-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1164977	1173523	BA
Aroclor 1232	1164977	1173523	BA
Aroclor 1232	1164977	1173523	BA
Aroclor 1232	1164977	1173523	BA
Aroclor 1232	1164977	1173523	BA
Tetrachloro-m-xylene	5513237	5513237	
Decachlorobiphenyl	4722561	4722561	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018016.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 20-MAR-2018 16:29
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 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
1.184	47537	36386	0.765	0.12		
1.431	34071	30996	0.910	0.08		
1.537	23782	16295	0.685	0.06		
1.686	19523	18852	0.966	0.05		
1.804	13553	12000	0.885	0.03		
2.010	25710	17582	0.684	0.06		
2.405	122316	91466	0.748	0.31		
2.484	5969109	5729938	0.960	15.88	$ 2 Tetrachloro-m-xylene	
2.687	171691	142551	0.830	0.44		
2.788	266038	251563	0.946	0.69		
2.850	928130	860330	0.927	2.41		
3.030	9298	9246	0.994	0.02		
3.054	137243	126924	0.925	0.35		
3.277	24967	18499	0.741	0.06		
3.318	1276490	1191897	0.934	3.31	3 Aroclor 1242	BA
3.344	727563	683689	0.940	1.89		
3.435	202188	182850	0.904	0.52		
3.513	1261881	906771	0.719	3.27	3 Aroclor 1242	BA
3.609	20578	18722	0.910	0.05		
3.645	20839	16895	0.811	0.05		
3.695	35496	37348	1.052	0.09		
3.731	322022	315106	0.979	0.83		
3.755	204643	198166	0.968	0.53		
3.826	3561407	2085011	0.585	9.25	3 Aroclor 1242	BA
3.928	1527637	1243480	0.814	3.97	3 Aroclor 1242	BA
3.994	1022344	971583	0.950	2.65	3 Aroclor 1242	BA
4.059	305638	267848	0.876	0.79		
4.136	120161	106523	0.887	0.31		
4.214	850376	783754	0.922	2.21		
4.261	816845	785877	0.962	2.12		
4.292	318376	350236	1.100	0.82		
4.310	445172	385531	0.866	1.15		
4.370	25042	20782	0.830	0.06		
4.417	1117389	1056118	0.945	2.90		
4.452	871962	643862	0.738	2.26		
4.545	1469124	1329484	0.905	3.81		
4.618	337572	301895	0.894	0.87		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.679	22931	18966	0.827	0.05	
4.725	70888	59009	0.832	0.18	
4.769	81572	75761	0.929	0.21	
4.813	668602	635712	0.951	1.73	
4.848	1147158	1078495	0.940	2.98	
4.879	1499236	1086023	0.724	3.89	
4.958	181808	131797	0.725	0.47	
5.037	1216160	1107589	0.911	3.16	
5.099	273516	209972	0.768	0.71	
5.162	310249	275455	0.888	0.80	
5.213	234347	209922	0.896	0.60	
5.286	19361	20123	1.039	0.05	
5.311	57711	45006	0.780	0.15	
5.363	203953	171215	0.839	0.53	
5.406	334512	285150	0.852	0.86	
5.447	218635	182548	0.835	0.56	
5.509	543162	412066	0.759	1.41	
5.604	166982	138964	0.832	0.43	
5.713	39916	27371	0.686	0.10	
5.742	46903	38646	0.824	0.12	
5.792	377948	302875	0.801	0.98	
5.891	46881	33797	0.721	0.12	
5.991	12860	12654	0.984	0.03	
6.025	306599	253744	0.828	0.79	
6.056	66608	54454	0.818	0.17	
6.168	31958	21225	0.664	0.08	
6.226	26828	16286	0.607	0.06	
6.299	102864	85183	0.828	0.26	
6.333	22218	18437	0.830	0.05	
6.376	12987	12359	0.952	0.03	
6.440	12993	9648	0.743	0.03	
6.538	39899	30451	0.763	0.10	
6.801	23279	19654	0.844	0.06	
7.004	10373	8347	0.805	0.02	
7.130	22022	13808	0.627	0.05	
7.252	16455	10003	0.608	0.04	
7.727	22510	19834	0.881	0.05	
7.801	11567	12711	1.099	0.03	
8.273	51945	38191	0.735	0.13	
8.378	24040	17476	0.727	0.06	
8.570	5170561	4324165	0.836	13.43	$ 12 Decachlorobiphenyl
8.938	27108	15441	0.570	0.07	
9.467	21603	15652	0.725	0.05	
9.960	19905	14335	0.720	0.05	
	38473325	32816576		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018016.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 20-MAR-2018 16:29
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032018.b\pcba030618.m
Meth Date : 27-Mar-2018 10:54 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	5969108	0.05000	0.048			
3 Aroclor 1242					CAS #: 53469-21-9			
3.317	3.318	-0.001	1276490	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.512	3.513	-0.001	1261880	0.50000	0.50	0.00- 20.00	98.86	BA
3.826	3.827	-0.001	3561406	0.50000	0.50	0.00- 20.00	279.00	BA
3.928	3.929	-0.001	1527637	0.50000	0.50	0.00- 20.00	119.67	BA
3.994	3.995	-0.001	1022343	0.50000	0.50	0.00- 20.00	80.09	BA
Average of Peak Amounts =					0.50000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	5170560	0.05000	0.047			

QC Flag Legend

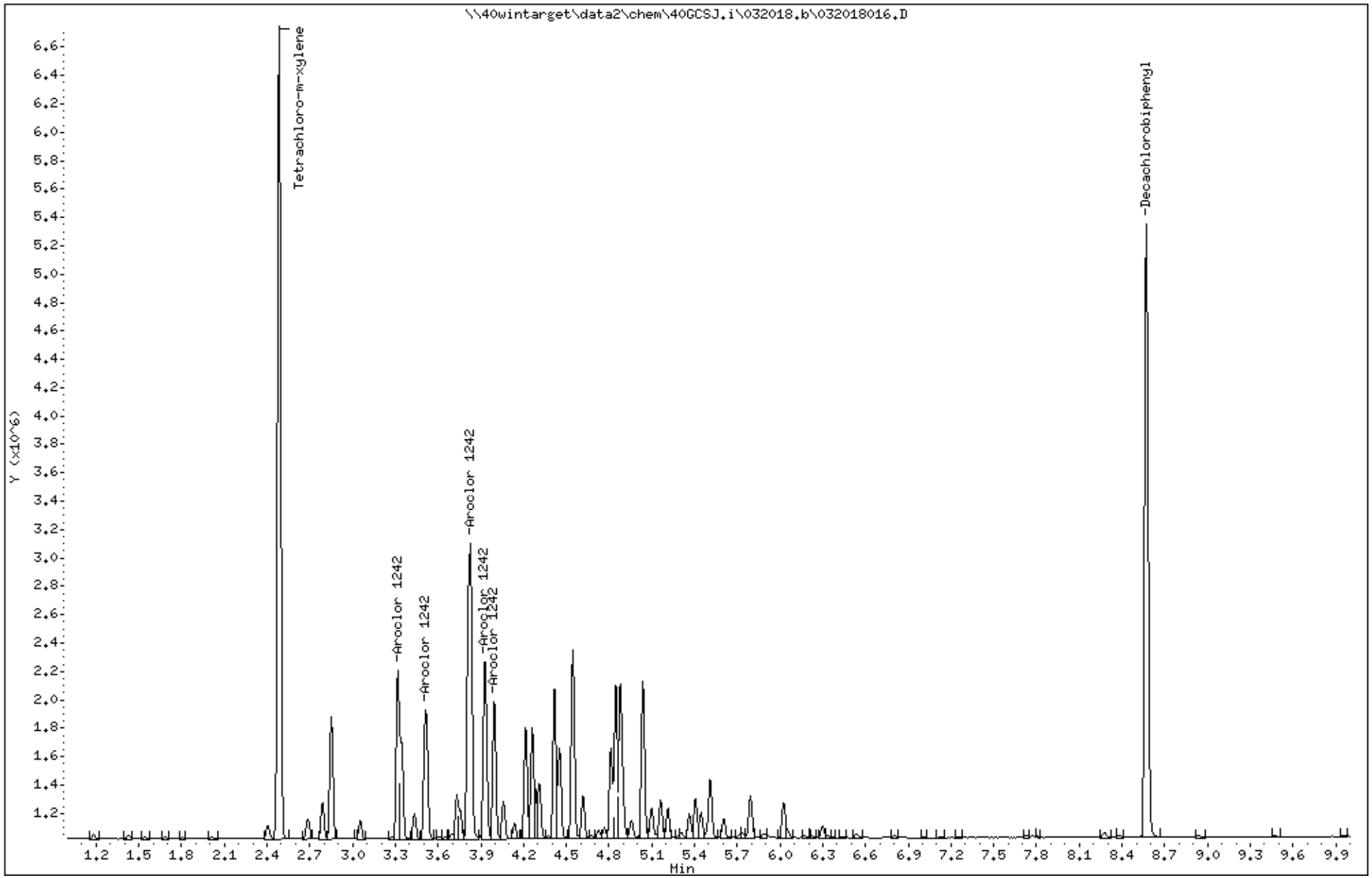
M - Compound response manually integrated.

Review Codes Legend

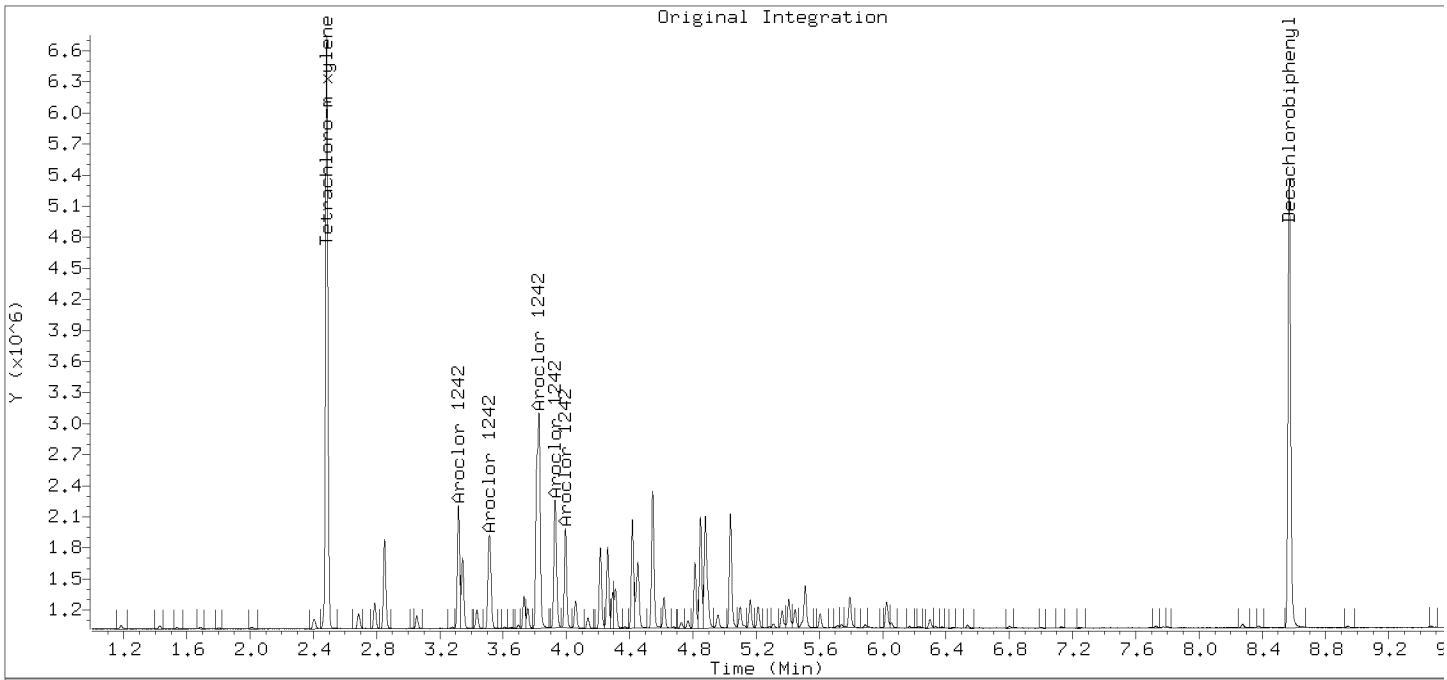
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

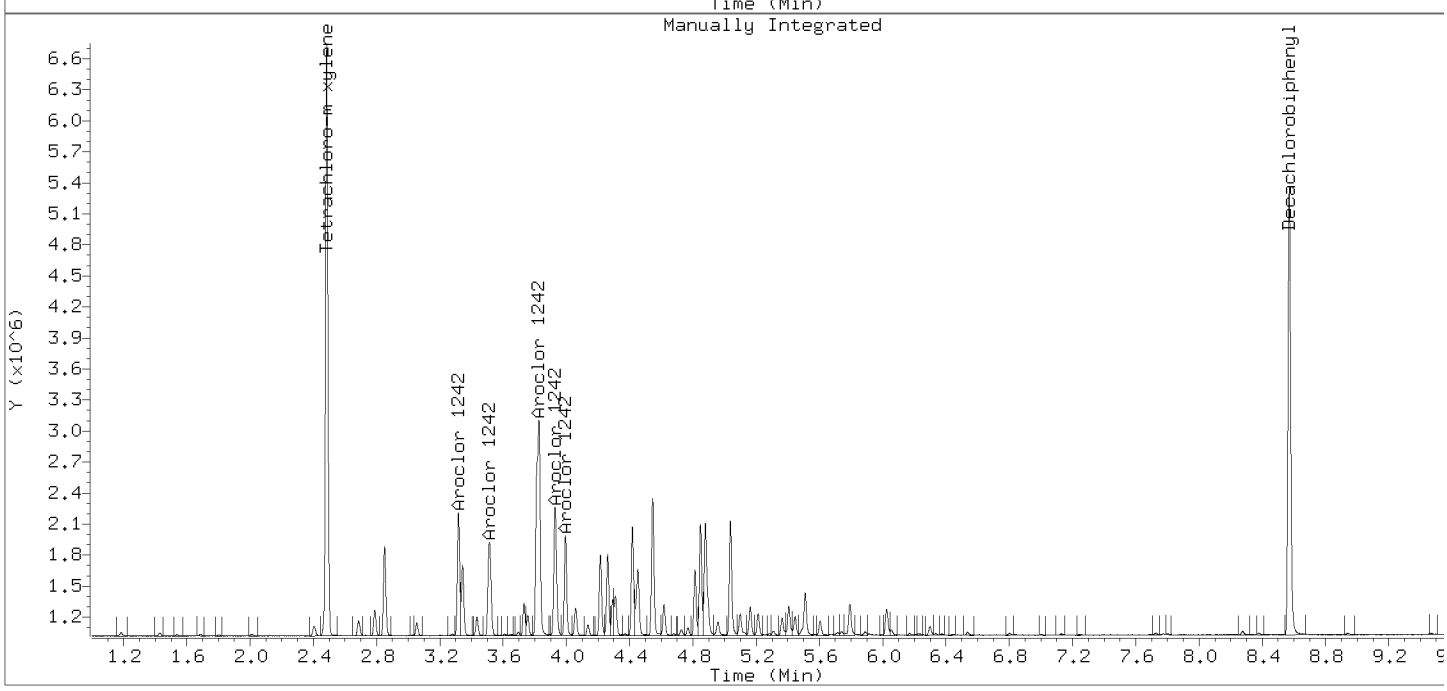
Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b\032018016.D
Date : 20-MAR-2018 16:29
Client ID: 1242-CCV
Sample Info: 1242-CCV, 185544:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032018.b/032018016.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 20-MAR-2018 16:29 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1272085	1276490	BA
Aroclor 1242	1272085	1276490	BA
Aroclor 1242	1272085	1276490	BA
Aroclor 1242	1272085	1276490	BA
Aroclor 1242	1272085	1276490	BA
Tetrachloro-m-xylene	5969108	5969108	
Decachlorobiphenyl	5170560	5170560	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718004.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 27-MAR-2018 13:55
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 04-Apr-2018 12:48 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS	REVIEW CODE
1.187	37014	26668	0.720	0.22			
1.429	37222	27990	0.752	0.22			
1.538	19953	15050	0.754	0.11			
1.688	14231	12742	0.895	0.08			
1.805	486527	399135	0.820	2.91		1 Aroclor 1221	BA
2.014	26511	19260	0.727	0.15			
2.198	147609	123312	0.835	0.88			
2.408	256624	187397	0.730	1.53		1 Aroclor 1221	BA
2.485	5795649	5308193	0.916	35.05	$	2 Tetrachloro-m-xylene	BA
2.688	646514	524307	0.811	3.87		1 Aroclor 1221	BA
2.790	504173	469852	0.932	3.02		1 Aroclor 1221	BA
2.851	1535121	1329401	0.866	9.19		1 Aroclor 1221	BA
3.028	14392	13827	0.961	0.08			
3.054	34234	29132	0.851	0.20			
3.281	99970	77160	0.772	0.59			
3.324	358876	193551	0.539	2.15			
3.434	38238	30934	0.809	0.22			
3.512	136128	99422	0.730	0.81			
3.609	17339	14690	0.847	0.10			
3.697	13322	11447	0.859	0.07			
3.731	38936	38276	0.983	0.23			
3.755	43575	34039	0.781	0.26			
3.827	295977	177026	0.598	1.77			
3.928	143070	123162	0.861	0.85			
3.994	95620	85957	0.899	0.57			
4.053	37489	30068	0.802	0.22			
4.139	10938	8681	0.794	0.06			
4.217	34568	31358	0.907	0.20			
4.261	30622	30968	1.011	0.18			
4.295	15813	16790	1.062	0.09			
4.311	19761	17760	0.899	0.11			
4.418	39356	39192	0.996	0.23			
4.452	41924	26811	0.640	0.25			
4.546	53650	47382	0.883	0.32			
4.618	16015	13390	0.836	0.09			
4.814	20231	20464	1.012	0.12			
4.848	32628	30088	0.922	0.19			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.882	54197	35366	0.653	0.32	
5.037	34130	28155	0.825	0.20	
5.098	9508	6248	0.657	0.05	
5.162	9686	9042	0.933	0.05	
5.210	9584	7142	0.745	0.05	
5.363	10025	8319	0.830	0.06	
5.410	12662	8090	0.639	0.07	
5.508	18295	11544	0.631	0.10	
6.445	10055	8111	0.807	0.06	
7.126	34224	16900	0.494	0.20	
7.690	11411	8513	0.746	0.06	
7.727	33374	27520	0.825	0.19	
7.778	14115	12695	0.899	0.08	
7.799	35903	25073	0.698	0.21	
8.276	48149	40286	0.837	0.28	
8.373	19835	14856	0.749	0.11	
8.571	4865651	4138474	0.851	29.15	$ 12 Decachlorobiphenyl
8.940	10764	10523	0.978	0.06	
9.470	26715	17347	0.649	0.16	
9.824	15910	17592	1.106	0.09	
9.836	14219	21674	1.524	0.08	
9.858	31236	29002	0.928	0.18	
9.870	20142	33253	1.651	0.12	
9.880	109758	36905	0.336	0.65	
9.959	39510	23688	0.600	0.23	
	16688878	14281200		100.000	

Total unknown % area = 15

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718004.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 27-MAR-2018 13:55
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 04-Apr-2018 12:48 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.485	2.484	0.001	5795649	0.05000	0.047		(M)	BA
1 Aroclor 1221					CAS #: 11104-28-2			
1.804	1.804	0.000	486527	0.50000	0.47	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	256624	0.50000	0.47	0.00- 20.00	52.75	BA
2.688	2.688	0.000	646513	0.50000	0.47	0.00- 20.00	132.88	BA
2.789	2.789	0.000	504172	0.50000	0.46	0.00- 20.00	103.63	BA
2.851	2.851	0.000	1535120	0.50000	0.47	0.00- 20.00	315.53	BA
Average of Peak Amounts =					0.46800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	4865650	0.05000	0.044			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.

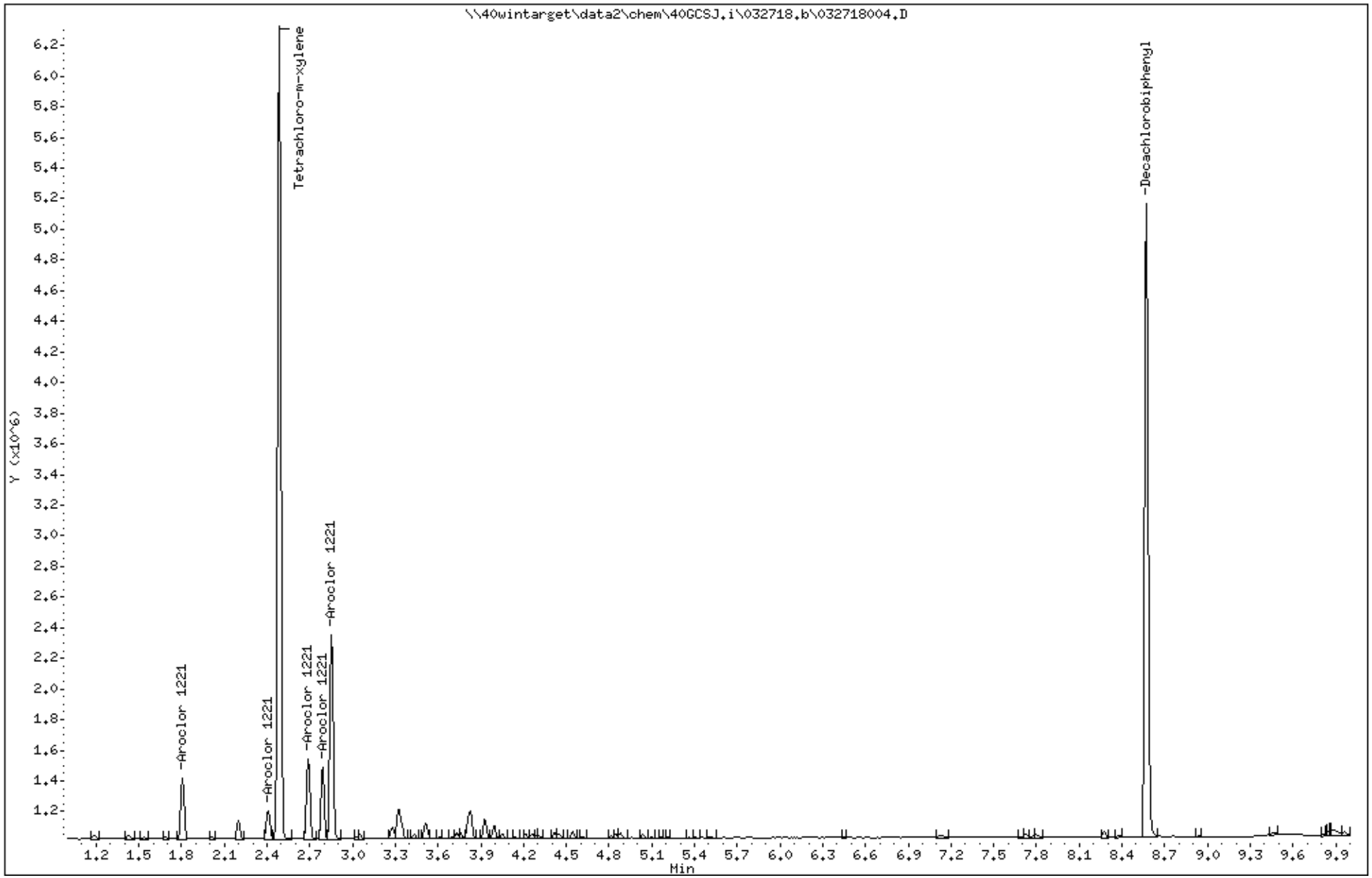
Data File: \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718004.D
Date : 27-MAR-2018 13:55
Client ID: 1221-CCV
Sample Info: 1221-CCV, 185538:1

Instrument: 40GCSJ.i

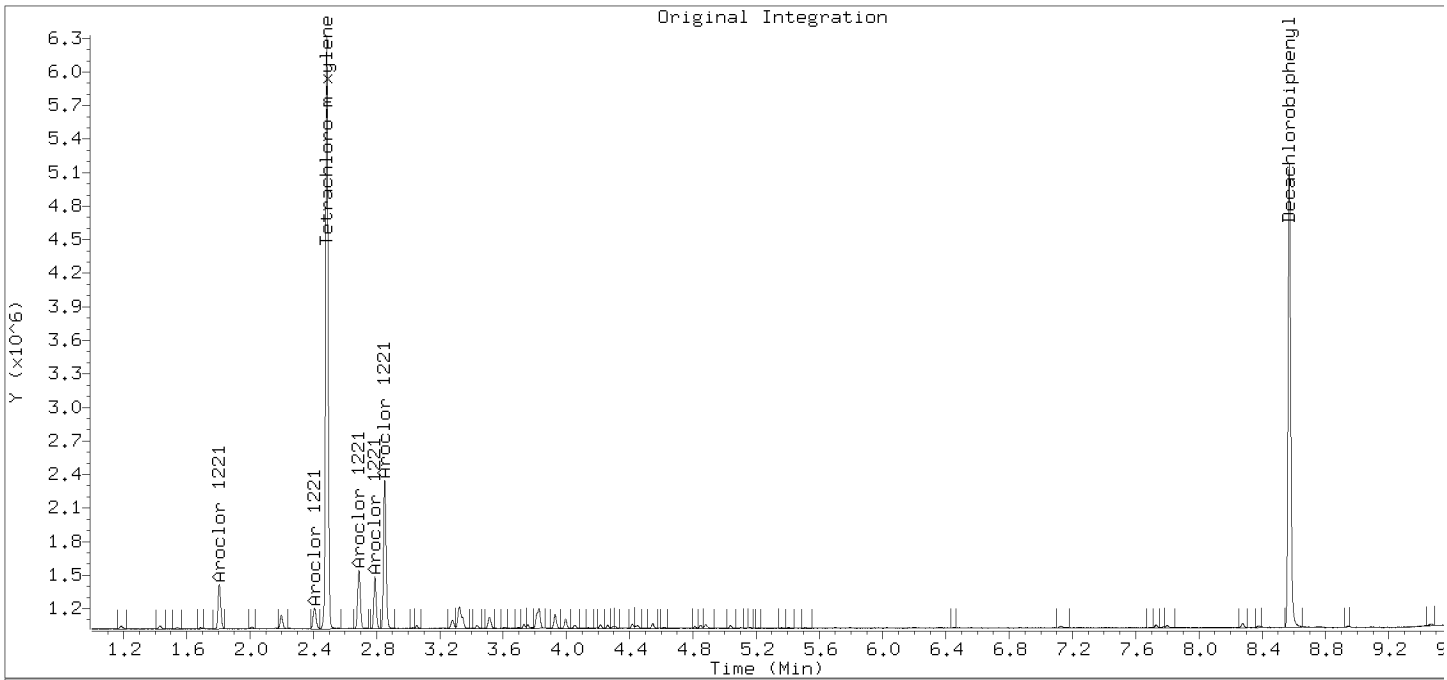
Operator: BLM

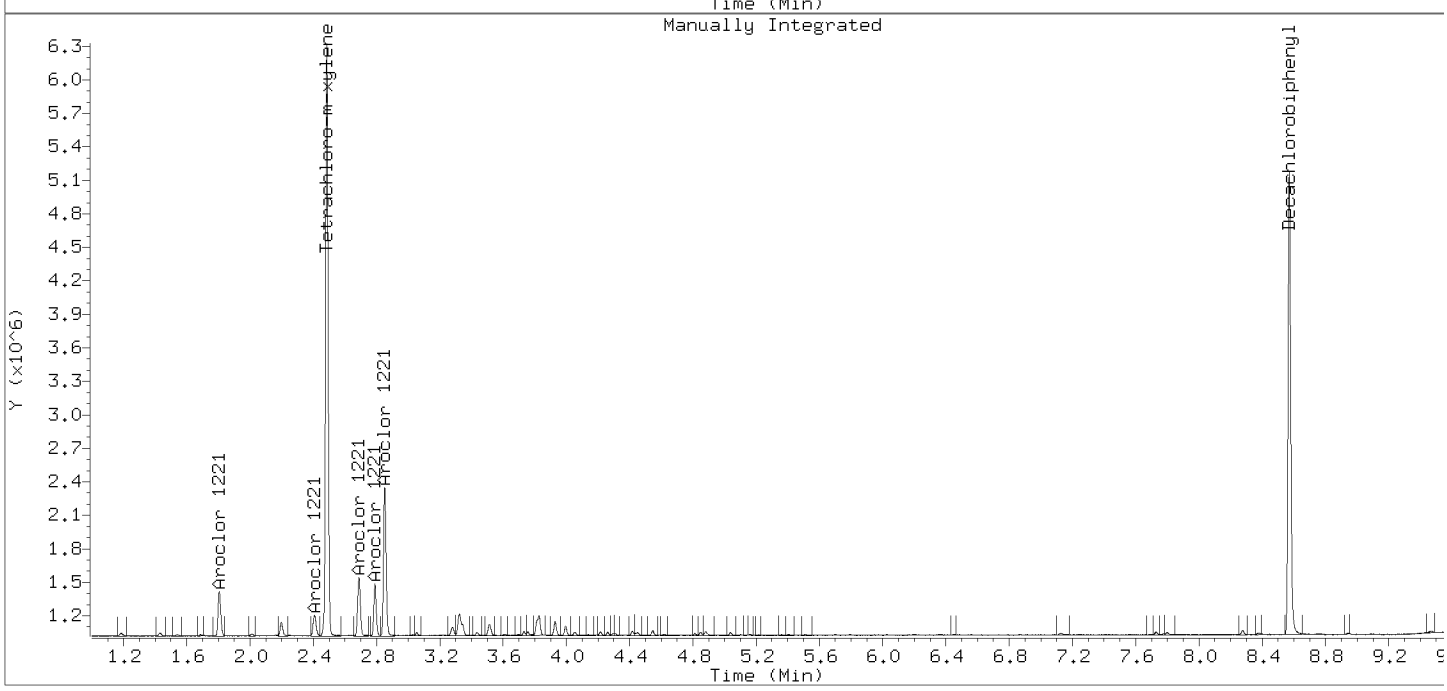
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032718.b/032718004.D (ManInt: AR1221.sub Orig: AR1221.sub)
Injection Date: 27-MAR-2018 13:55 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	481354	486527	BA
Aroclor 1221	481354	486527	BA
Aroclor 1221	481354	486527	BA
Aroclor 1221	481354	486527	BA
Aroclor 1221	481354	486527	BA
Tetrachloro-m-xylene	5789839	5795649	BA
Decachlorobiphenyl	4865650	4865650	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718016.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 27-MAR-2018 17:05
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 04-Apr-2018 12:48 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.183	39105	30176	0.772	0.14		
1.428	38173	32149	0.842	0.13		
1.535	21682	15589	0.719	0.07		
1.684	17136	14756	0.861	0.06		
1.804	304577	266643	0.875	1.10		
2.009	21247	17258	0.812	0.07		
2.198	90843	79788	0.878	0.32		
2.407	197054	149443	0.758	0.71		
2.484	5988579	5772885	0.964	22.03	$ 2 Tetrachloro-m-xylene	
2.687	448038	369889	0.826	1.62		
2.789	413696	385522	0.932	1.49		
2.850	1340998	1195504	0.892	4.85	4 Aroclor 1232	BA
3.028	11309	13318	1.178	0.04		
3.055	90165	77171	0.856	0.32		
3.279	73381	55919	0.762	0.26		
3.318	773131	693411	0.897	2.79		
3.343	417734	389169	0.932	1.51		
3.434	128978	110624	0.858	0.46		
3.513	700329	500772	0.715	2.53	4 Aroclor 1232	BA
3.610	21509	19334	0.899	0.07		
3.646	18175	11073	0.609	0.06		
3.696	26464	23069	0.872	0.09		
3.732	182548	182583	1.000	0.66		
3.756	148695	121321	0.816	0.53		
3.827	2011685	1164318	0.579	7.28	4 Aroclor 1232	BA
3.929	860467	709621	0.825	3.11	4 Aroclor 1232	BA
3.994	574204	540725	0.942	2.07	4 Aroclor 1232	BA
4.059	154360	139927	0.906	0.55		
4.137	64296	54496	0.848	0.23		
4.214	412730	380742	0.922	1.49		
4.260	400782	377772	0.943	1.45		
4.292	176349	176238	0.999	0.63		
4.311	217269	197416	0.909	0.78		
4.368	24937	15928	0.639	0.09		
4.417	561301	527576	0.940	2.03		
4.451	449872	316310	0.703	1.62		
4.545	718807	659934	0.918	2.60		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.617	181681	159023	0.875	0.65	
4.727	39702	33208	0.836	0.14	
4.768	43113	38633	0.896	0.15	
4.813	322621	306576	0.950	1.16	
4.847	568276	529998	0.933	2.05	
4.878	732327	543216	0.742	2.65	
4.959	82587	60821	0.736	0.29	
5.037	610841	551641	0.903	2.21	
5.099	118402	88288	0.746	0.42	
5.162	136426	116900	0.857	0.49	
5.211	92966	85091	0.915	0.33	
5.309	31895	21763	0.682	0.11	
5.363	86968	69593	0.800	0.31	
5.406	141021	124101	0.880	0.51	
5.446	89645	76343	0.852	0.32	
5.508	237459	174428	0.735	0.85	
5.602	69981	61157	0.874	0.25	
5.668	13062	12850	0.984	0.04	
5.792	162781	122928	0.755	0.58	
5.888	28119	15573	0.554	0.10	
6.024	120550	106730	0.885	0.43	
6.055	36532	29932	0.819	0.13	
6.167	17704	13183	0.745	0.06	
6.297	39906	33693	0.844	0.14	
6.716	11608	11222	0.967	0.04	
7.006	25123	22636	0.901	0.09	
7.251	17390	11900	0.684	0.06	
7.725	25417	21327	0.839	0.09	
7.776	11233	10737	0.956	0.04	
7.799	20295	18785	0.926	0.07	
7.899	12249	8715	0.711	0.04	
8.275	48550	41454	0.854	0.17	
8.376	12303	12088	0.982	0.04	
8.570	5251116	4371355	0.832	19.00	$ 12 Decachlorobiphenyl
8.939	16566	10276	0.620	0.05	
9.081	13129	7526	0.573	0.04	
9.469	17705	11060	0.625	0.06	
	27627853	23723119		100.000	

Total unknown % area = 39

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\032718.b\032718016.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 27-MAR-2018 17:05
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\032718.b\pcba030618.m
Meth Date : 04-Apr-2018 12:48 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	5988578	0.05000	0.048			
4 Aroclor 1232					CAS #: 1114-16-5			
2.850	2.851	-0.001	1340997	0.50000	0.54	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	700329	0.50000	0.52	0.00- 20.00	52.22	BA
3.826	3.827	-0.001	2011685	0.50000	0.54	0.00- 20.00	150.01	BA
3.928	3.929	-0.001	860466	0.50000	0.54	0.00- 20.00	64.17	BA
3.994	3.995	-0.001	574204	0.50000	0.52	0.00- 20.00	42.82	BA
Average of Peak Amounts =					0.53200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	5251116	0.05000	0.048			

QC Flag Legend

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\40GCSJ.i\032718.b\032718016.D

Date : 27-MAR-2018 17:05

Client ID: 1232-CCV

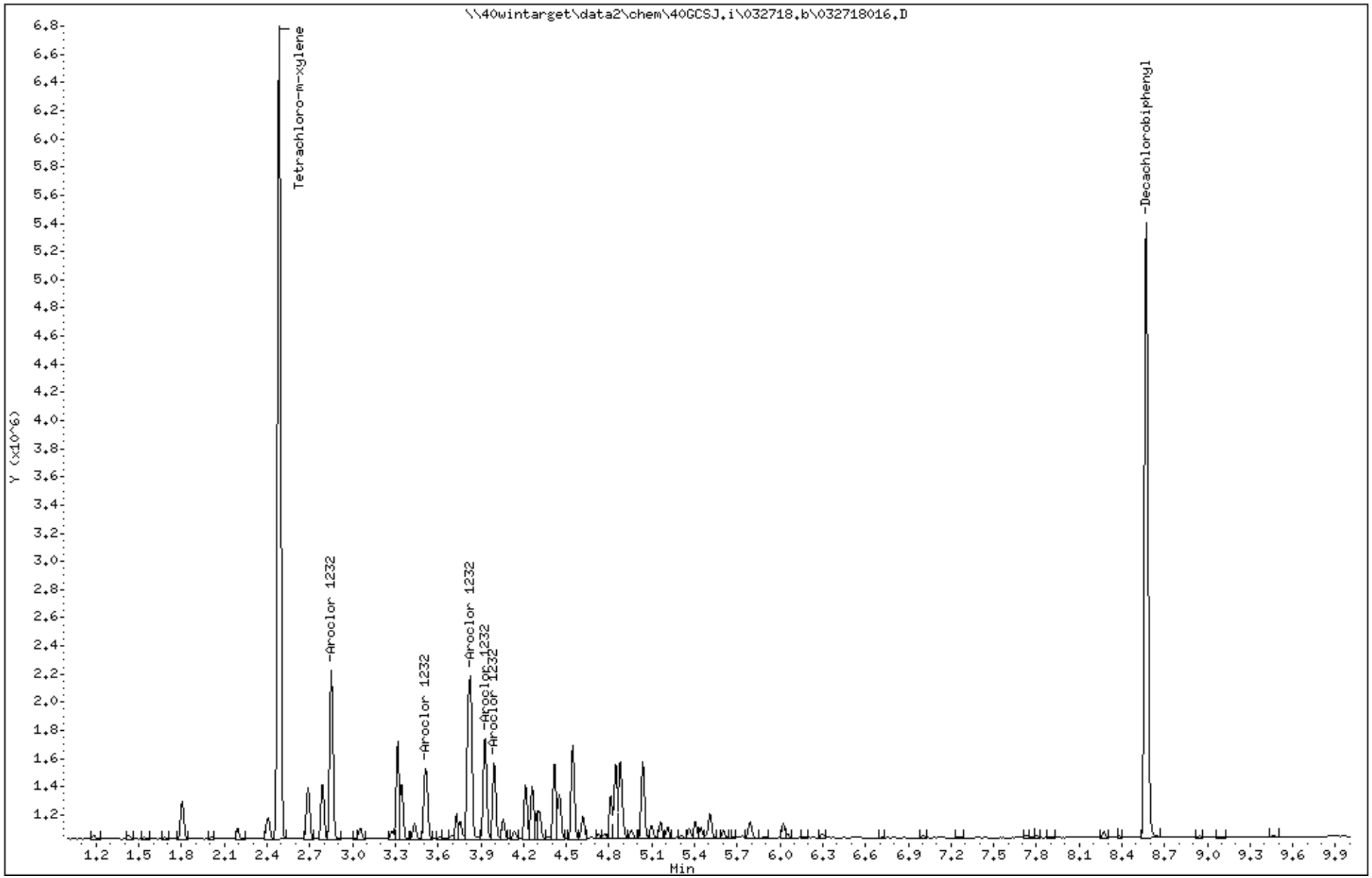
Instrument: 40GCSJ.i

Sample Info: 1232-CCV, 185539:1

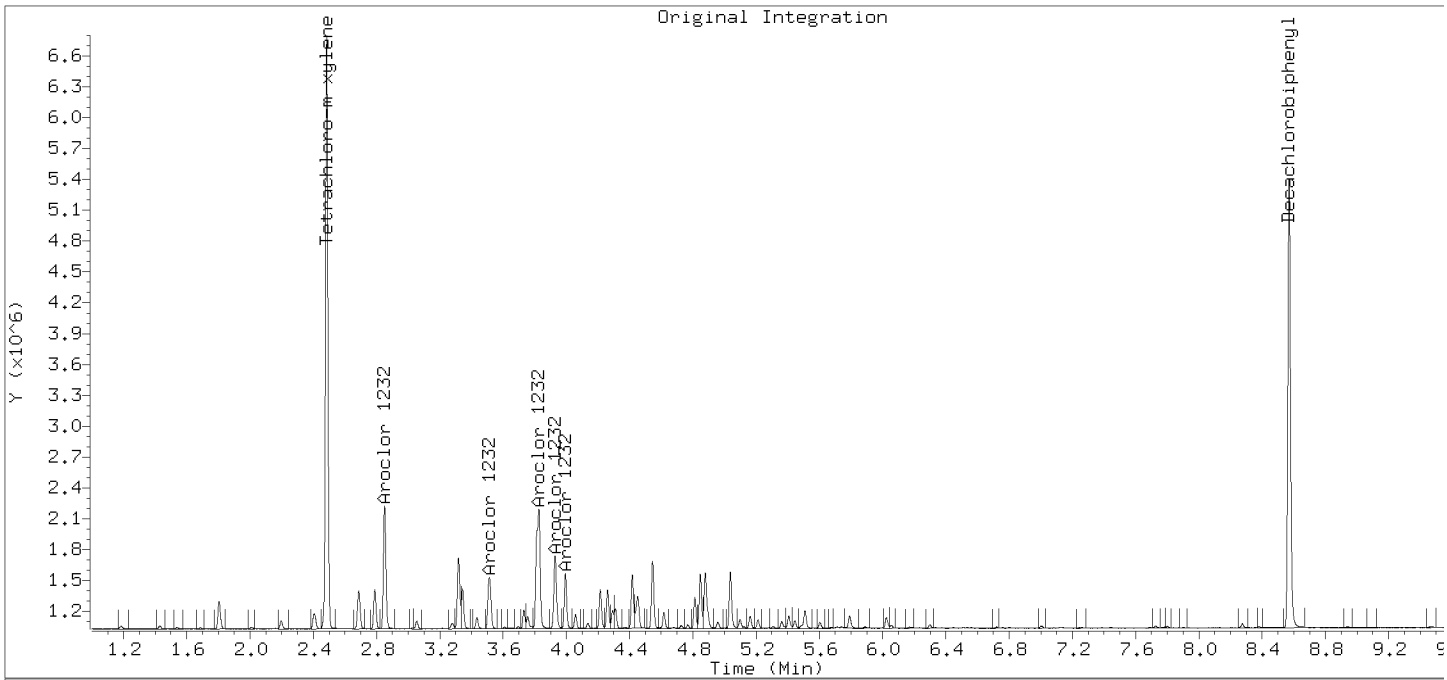
Operator: BLM

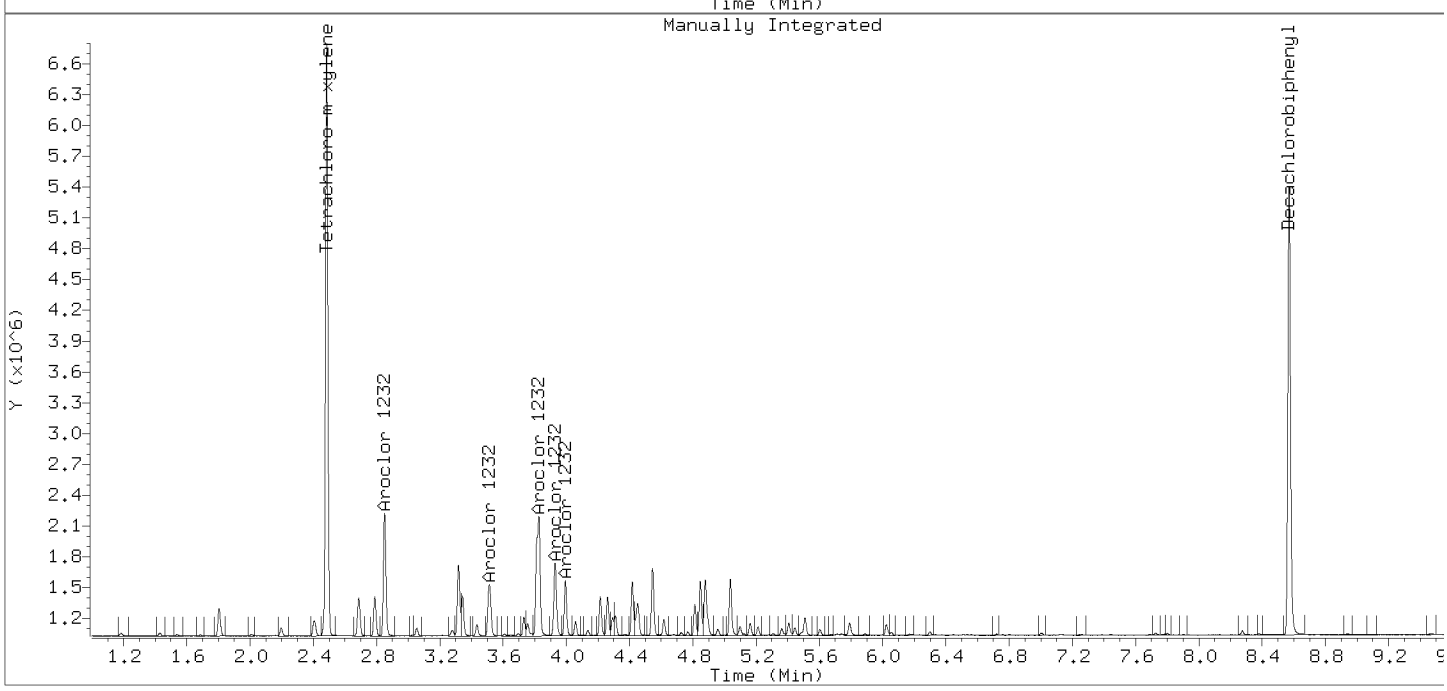
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\032718.b/032718016.D (ManInt: AR1232.sub Orig: AR1232.sub)
Injection Date: 27-MAR-2018 17:05 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1232-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1332273	1340997	BA
Aroclor 1232	1332273	1340997	BA
Aroclor 1232	1332273	1340997	BA
Aroclor 1232	1332273	1340997	BA
Aroclor 1232	1332273	1340997	BA
Tetrachloro-m-xylene	5988578	5988578	
Decachlorobiphenyl	5251116	5251116	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018004.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 30-MAR-2018 15:47
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 04-Apr-2018 13:12 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.184	28611	24110	0.843	0.10		
1.432	38050	29406	0.773	0.14		
1.537	16847	14036	0.833	0.06		
1.686	18795	16246	0.864	0.07		
1.806	293863	246585	0.839	1.11		
2.011	20417	15641	0.766	0.07		
2.198	82173	72036	0.877	0.31		
2.406	195034	143989	0.738	0.73		
2.485	5786443	5418296	0.936	22.29	$ 2 Tetrachloro-m-xylene	
2.688	423326	346437	0.818	1.60		
2.789	394101	358789	0.910	1.49		
2.851	1269350	1141797	0.900	4.80	4 Aroclor 1232	BA
3.029	11732	14025	1.195	0.04		
3.054	90724	73974	0.815	0.34		
3.281	66768	49387	0.740	0.25		
3.318	736732	655403	0.890	2.79		
3.344	402334	361823	0.899	1.52		
3.433	113342	103719	0.915	0.42		
3.513	669053	481887	0.720	2.53	4 Aroclor 1232	BA
3.609	20062	17884	0.891	0.07		
3.698	24610	20932	0.851	0.09		
3.732	176560	173194	0.981	0.66		
3.756	126992	114145	0.899	0.48		
3.826	1865355	1089801	0.584	7.06	4 Aroclor 1232	BA
3.930	797462	669657	0.840	3.02	4 Aroclor 1232	BA
3.995	527323	498762	0.946	1.99	4 Aroclor 1232	BA
4.059	153252	131901	0.861	0.58		
4.137	59676	53239	0.892	0.22		
4.215	394581	370771	0.940	1.49		
4.261	383584	358821	0.935	1.45		
4.293	168081	172238	1.025	0.63		
4.310	197644	184817	0.935	0.74		
4.417	533725	493147	0.924	2.02		
4.452	414687	311008	0.750	1.57		
4.547	676915	620446	0.917	2.56		
4.618	163928	152581	0.931	0.62		
4.677	16561	13343	0.806	0.06		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.727	33649	30922	0.919	0.12	
4.768	37020	33477	0.904	0.14	
4.813	297483	283159	0.952	1.12	
4.848	519297	483260	0.931	1.96	
4.879	679028	512647	0.755	2.57	
4.958	74870	56417	0.754	0.28	
5.037	551301	496890	0.901	2.08	
5.098	114768	86161	0.751	0.43	
5.163	127977	114468	0.894	0.48	
5.212	90559	78383	0.866	0.34	
5.308	25509	19884	0.780	0.09	
5.363	78766	67279	0.854	0.29	
5.407	138700	114980	0.829	0.52	
5.446	84273	70209	0.833	0.31	
5.510	220958	164243	0.743	0.83	
5.605	67711	57426	0.848	0.25	
5.672	13331	11647	0.874	0.05	
5.791	146328	110676	0.756	0.55	
5.884	18310	13481	0.736	0.06	
6.025	106645	95460	0.895	0.40	
6.056	33501	27285	0.814	0.12	
6.170	14328	11980	0.836	0.05	
6.299	39749	32967	0.829	0.15	
6.509	12262	11270	0.919	0.04	
6.719	16301	13619	0.835	0.06	
7.003	30494	20946	0.687	0.11	
7.124	27056	15787	0.583	0.10	
7.251	15684	11663	0.744	0.05	
7.438	9492	7819	0.824	0.03	
7.692	13467	9906	0.736	0.05	
7.726	30600	26257	0.858	0.11	
7.768	16249	11313	0.696	0.06	
7.799	27557	22489	0.816	0.10	
8.277	47916	40368	0.842	0.18	
8.378	21581	16221	0.752	0.08	
8.571	5107752	4316134	0.845	19.35	$ 12 Decachlorobiphenyl
8.938	10862	9594	0.883	0.04	
9.410	9812	13044	1.329	0.03	
9.426	12356	16262	1.316	0.04	
9.465	69759	22340	0.320	0.26	
9.854	13935	10507	0.754	0.05	
9.867	13247	9964	0.752	0.05	
9.957	13957	11464	0.821	0.05	
	26393094	22604541		100.000	

Total unknown % area = 39

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018004.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 30-MAR-2018 15:47
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 04-Apr-2018 13:12 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.485	2.484	0.001	5786442	0.05000	0.047			
4 Aroclor 1232						CAS #: 1114-16-5		
2.851	2.851	0.000	1269349	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	669052	0.50000	0.50	0.00- 20.00	52.71	BA
3.826	3.827	-0.001	1865355	0.50000	0.50	0.00- 20.00	146.95	BA
3.929	3.929	0.000	797462	0.50000	0.50	0.00- 20.00	62.82	BA
3.994	3.995	-0.001	527322	0.50000	0.48	0.00- 20.00	41.54	BA
Average of Peak Amounts =					0.49800			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.571	8.571	0.000	5107751	0.05000	0.047			

QC Flag Legend

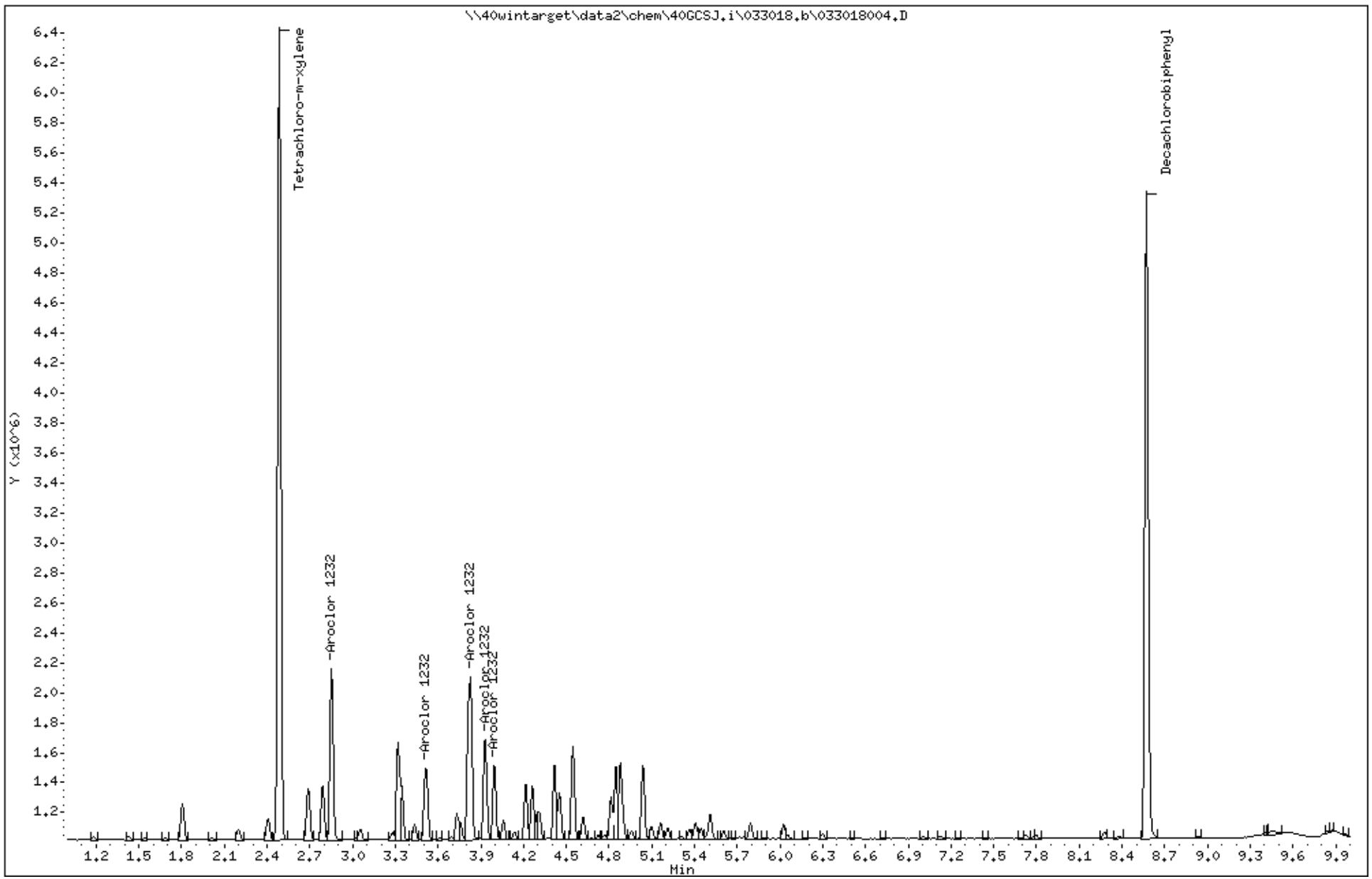
M - Compound response manually integrated.

Review Codes Legend

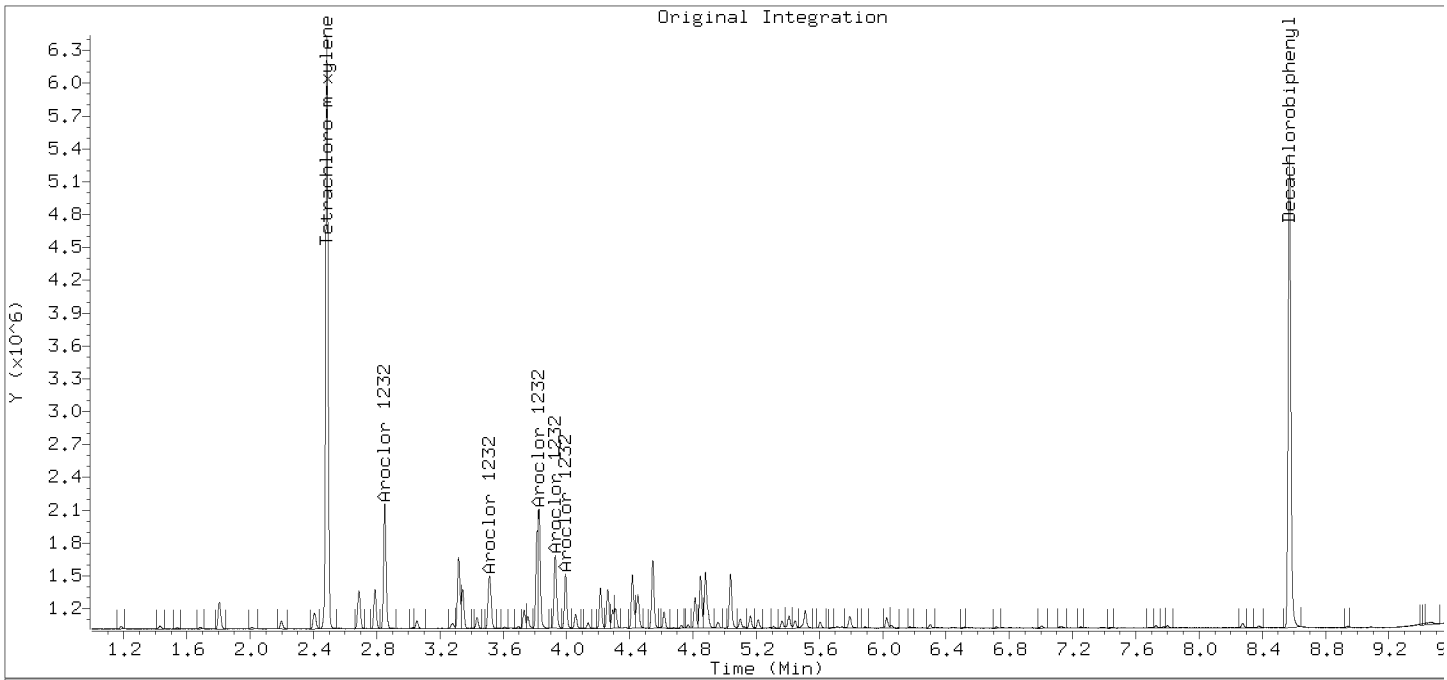
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

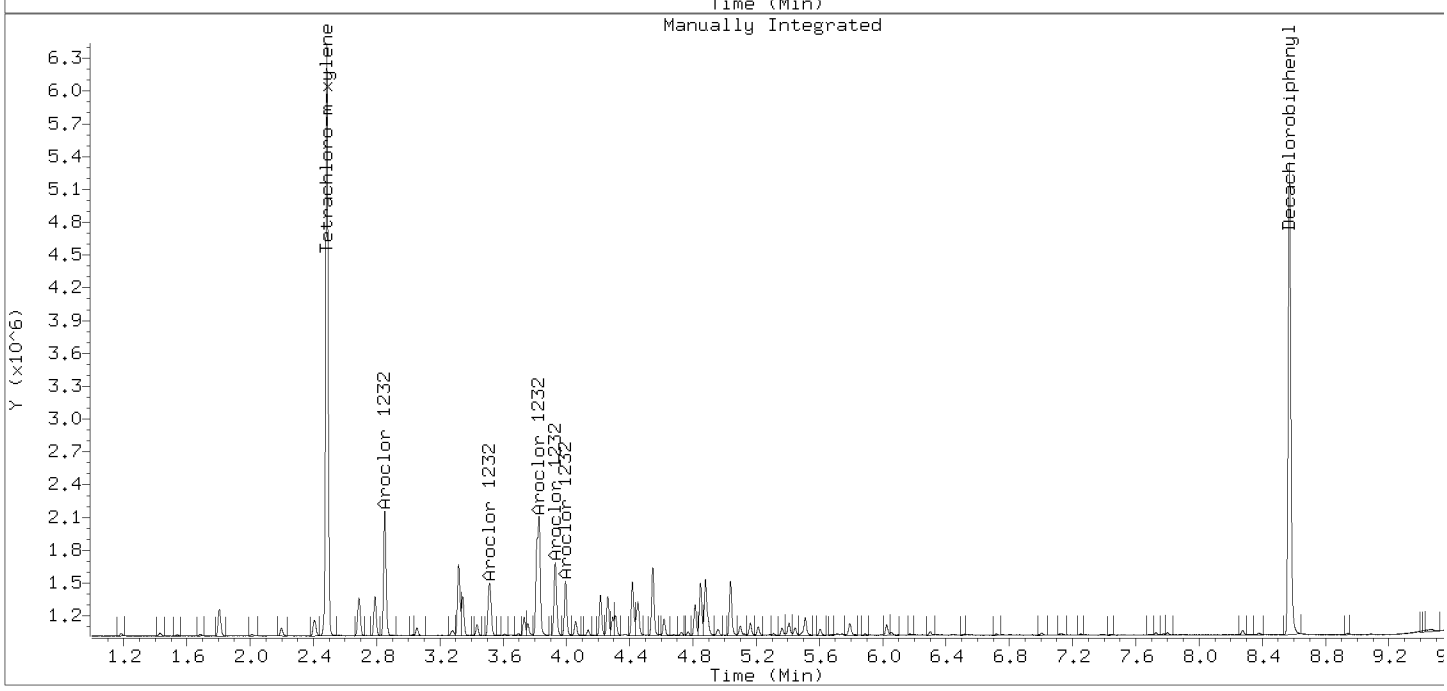
Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018004.D
Date : 30-MAR-2018 15:47
Client ID: 1232-CCV
Sample Info: 1232-CCV, 185539:1

Instrument: 40GCSJ.i
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b/033018004.D (ManInt: AR1232.sub Orig: AR1232.sub)
Injection Date: 30-MAR-2018 15:47 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1232-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1259674	1269349	BA
Aroclor 1232	1259674	1269349	BA
Aroclor 1232	1259674	1269349	BA
Aroclor 1232	1259674	1269349	BA
Aroclor 1232	1259674	1269349	BA
Tetrachloro-m-xylene	5786442	5786442	
Decachlorobiphenyl	5107751	5107751	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018016.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 30-MAR-2018 18:57
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 04-Apr-2018 13:12 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 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
1.183	22405	18532	0.827	0.05		
1.431	40276	30743	0.763	0.10		
1.539	21364	14547	0.681	0.05		
1.688	39933	33591	0.841	0.10		
1.806	15485	14673	0.948	0.03		
2.405	121508	92266	0.759	0.30		
2.485	6015047	5620296	0.934	15.57	$ 2 Tetrachloro-m-xylene	
2.686	179100	142673	0.797	0.45		
2.788	272860	250720	0.919	0.68		
2.851	954082	877697	0.920	2.40		
3.054	143309	127113	0.887	0.36		
3.278	26506	18895	0.713	0.06		
3.318	1295039	1187612	0.917	3.27	3 Aroclor 1242	BA
3.344	747922	694661	0.929	1.88		
3.435	208397	185067	0.888	0.52		
3.512	1286692	915338	0.711	3.25	3 Aroclor 1242	BA
3.610	24609	19552	0.795	0.06		
3.651	23747	16018	0.675	0.05		
3.697	36677	35434	0.966	0.09		
3.731	326714	316997	0.970	0.82		
3.756	224700	206128	0.917	0.56		
3.826	3677233	2126529	0.578	9.28	3 Aroclor 1242	BA
3.929	1578983	1297420	0.822	3.98	3 Aroclor 1242	BA
3.994	1048461	998756	0.953	2.64	3 Aroclor 1242	BA
4.058	319715	283616	0.887	0.80		
4.137	129269	107709	0.833	0.32		
4.214	874601	807996	0.924	2.20		
4.260	836630	806365	0.964	2.11		
4.292	341738	359002	1.051	0.86		
4.310	446814	398295	0.891	1.12		
4.370	31927	21945	0.687	0.08		
4.416	1142103	1082234	0.948	2.88		
4.451	913690	659762	0.722	2.30		
4.545	1510362	1343728	0.890	3.81		
4.617	346342	309594	0.894	0.87		
4.680	28187	21496	0.763	0.07		
4.725	76119	62203	0.817	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.768	83108	78177	0.941	0.20	
4.812	699910	670567	0.958	1.76	
4.847	1202699	1133950	0.943	3.03	
4.878	1544124	1135518	0.735	3.90	
4.957	178912	133914	0.748	0.45	
5.037	1280421	1148948	0.897	3.23	
5.098	277704	209878	0.756	0.70	
5.161	321799	274805	0.854	0.81	
5.212	247007	219787	0.890	0.62	
5.284	20360	19125	0.939	0.05	
5.306	56120	46311	0.825	0.14	
5.362	209417	177043	0.845	0.52	
5.405	350926	280474	0.799	0.88	
5.444	220385	194602	0.883	0.55	
5.509	566724	432643	0.763	1.43	
5.603	171864	143328	0.834	0.43	
5.671	16234	12840	0.791	0.04	
5.714	36570	29147	0.797	0.09	
5.740	47521	42277	0.890	0.12	
5.760	14752	20251	1.373	0.03	
5.792	396864	315002	0.794	1.00	
5.888	62266	38258	0.614	0.15	
6.023	379459	274459	0.723	0.95	
6.168	37049	22222	0.600	0.09	
6.225	31667	17003	0.537	0.07	
6.298	108595	93635	0.862	0.27	
6.332	23600	21579	0.914	0.05	
6.372	18762	14987	0.799	0.04	
6.533	46511	33158	0.713	0.11	
6.799	24472	18645	0.762	0.06	
7.250	11396	10214	0.896	0.02	
7.726	29012	23418	0.807	0.07	
7.796	24839	18196	0.733	0.06	
8.274	54802	45908	0.838	0.13	
8.570	5404034	4589082	0.849	13.65	$ 12 Decachlorobiphenyl
8.934	12372	9481	0.766	0.03	
9.463	21668	13742	0.634	0.05	
9.959	26183	16834	0.643	0.06	
	39588648	33484611		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018016.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 30-MAR-2018 18:57
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17498,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 04-Apr-2018 13:12 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: RC10A Sample Matrix: None

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.484	2.484	0.000	6015046	0.05000	0.049			
3 Aroclor 1242						CAS #: 53469-21-9		
3.318	3.318	0.000	1295038	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.512	3.513	-0.001	1286692	0.50000	0.51	0.00- 20.00	99.36	BA
3.825	3.827	-0.002	3677232	0.50000	0.52	0.00- 20.00	283.95	BA
3.928	3.929	-0.001	1578983	0.50000	0.52	0.00- 20.00	121.93	BA
3.994	3.995	-0.001	1048461	0.50000	0.51	0.00- 20.00	80.96	BA
Average of Peak Amounts =					0.51400			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.570	8.571	-0.001	5404034	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.

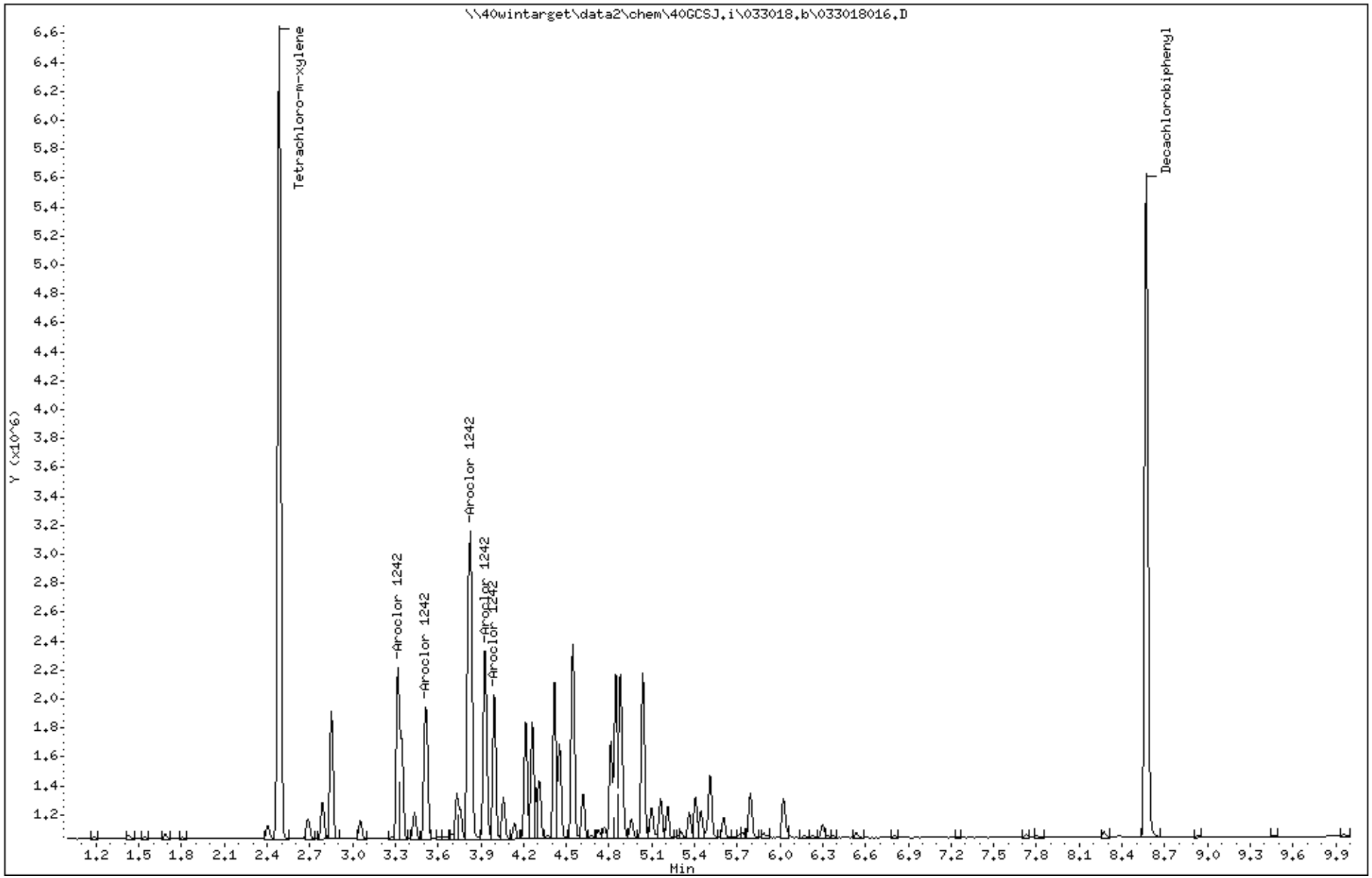
Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018016.D
Date : 30-MAR-2018 18:57
Client ID: 1242-CCV
Sample Info: 1242-CCV, 185544:1

Instrument: 40GCSJ.i

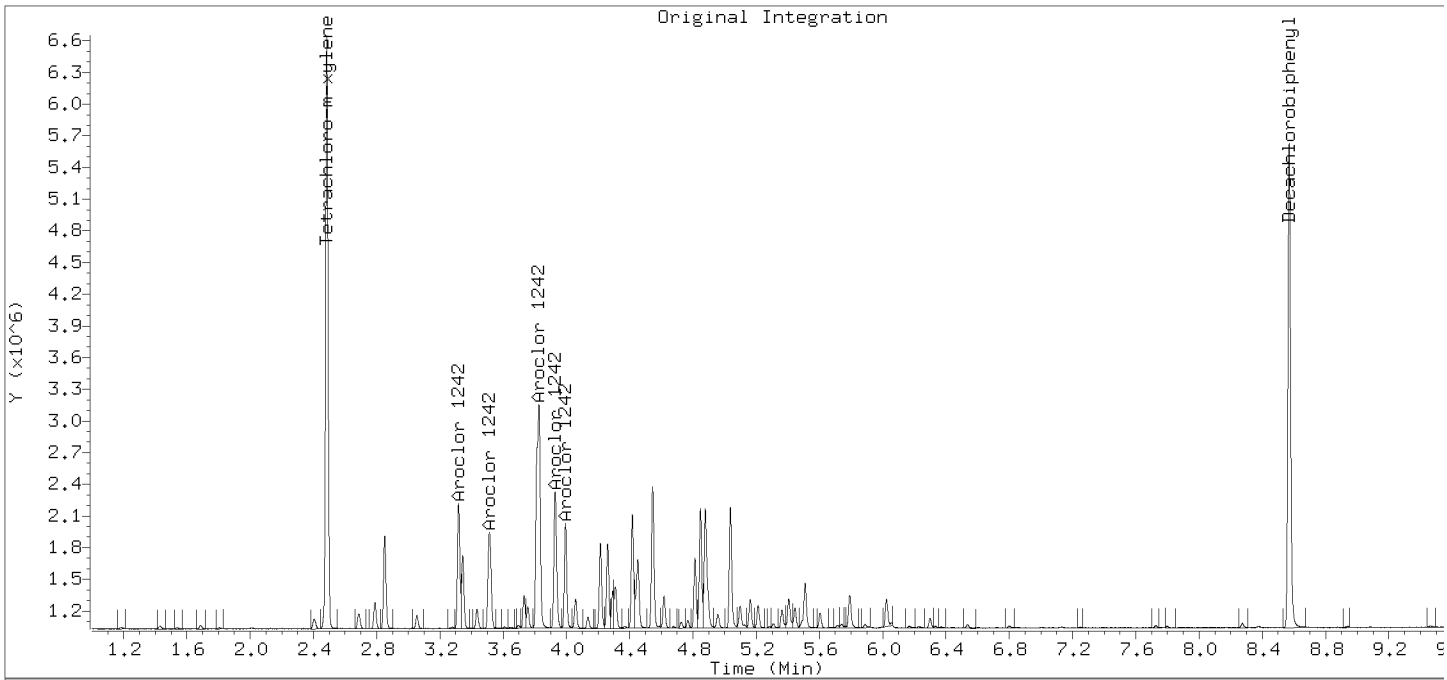
Operator: BLM

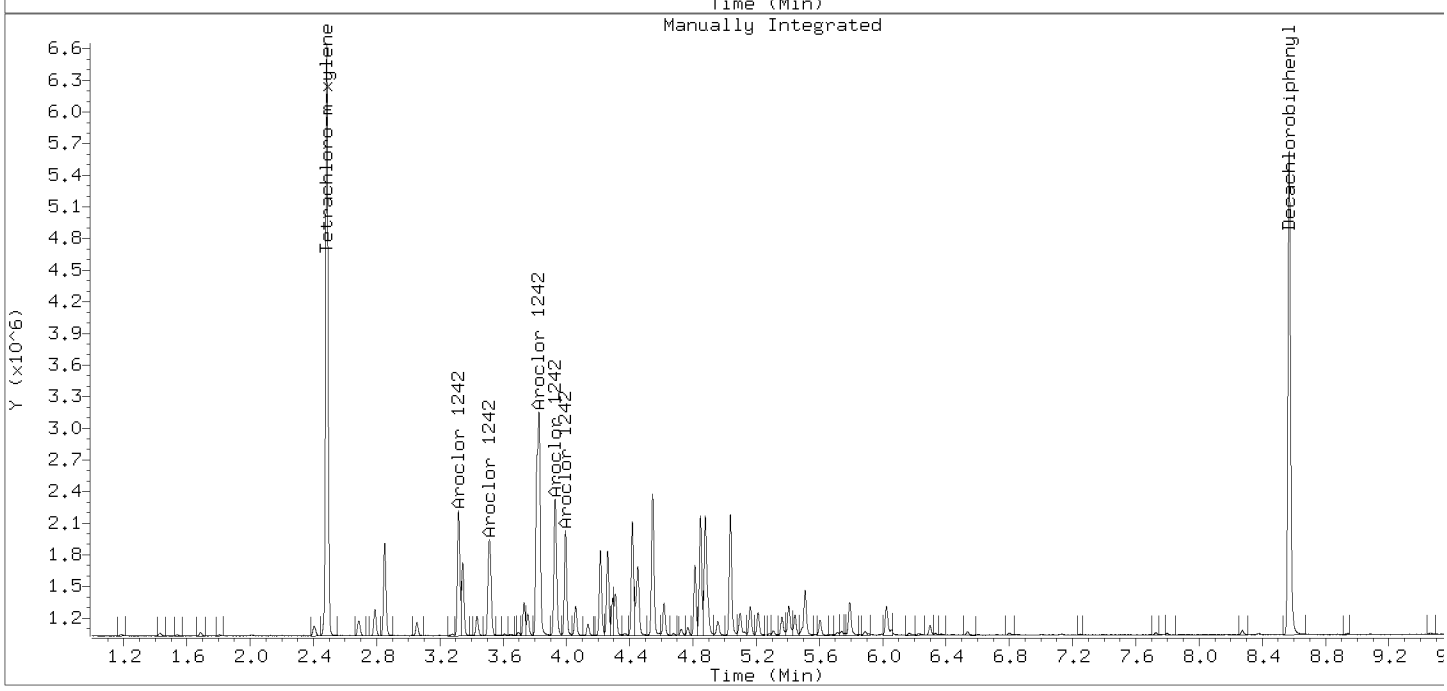
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b/033018016.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 30-MAR-2018 18:57 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1242-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1286633	1295038	BA
Aroclor 1242	1286633	1295038	BA
Aroclor 1242	1286633	1295038	BA
Aroclor 1242	1286633	1295038	BA
Aroclor 1242	1286633	1295038	BA
Tetrachloro-m-xylene	6015046	6015046	
Decachlorobiphenyl	5404034	5404034	

SAMPLE NO.

BLANK

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received:

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/13/2018 07:38

Lab Sample ID: 1658254

Date Analyzed: 03/14/2018 13:44

Lab File ID: 031418.B\031418006.D

Initial wt/vol: 10 g Final wt/vol: 5 mL Dilution: 1

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	<11.4	U
12672-29-6	PCB-1248 (Aroclor 1248)	<11.4	U
11097-69-1	PCB-1254 (Aroclor 1254)	<11.4	U
11096-82-5	PCB-1260 (Aroclor 1260)	<11.4	U

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418006.D
Lab Smp Id: 1658254 Client Smp ID: MB
Inj Date : 14-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1658254,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.184	9308	9168	0.985	0.04		
1.426	13229	9984	0.755	0.06		
1.538	10968	9927	0.905	0.05		
2.485	9322527	9158044	0.982	49.40	$ 2 Tetrachloro-m-xylene	
2.787	19842	16132	0.813	0.10		
2.854	14749	10951	0.743	0.07		
4.049	11412	11989	1.051	0.06		
4.239	12234	11659	0.953	0.06		
4.420	10103	7444	0.737	0.05		
5.506	12536	9405	0.750	0.06		
5.792	14830	11542	0.778	0.07		
6.056	19989	13624	0.682	0.10		
6.300	14777	12555	0.850	0.07		
7.005	11590	9464	0.817	0.06		
7.125	20450	13890	0.679	0.10		
7.727	42265	36227	0.857	0.22		
7.803	31627	26512	0.838	0.16		
8.276	77820	71472	0.918	0.41		
8.382	22898	15893	0.694	0.12		
8.572	9139833	7852094	0.859	48.32	$ 12 Decachlorobiphenyl	
8.938	15536	12441	0.801	0.08		
9.469	31302	19141	0.611	0.16		
9.964	35242	23488	0.666	0.18		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
	18915068	17373046		100.000	

Total unknown % area = 2.3

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418006.D
Lab Smp Id: 1658254 Client Smp ID: MB
Inj Date : 14-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1658254,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	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

2.484	2.484	0.000	9322527	0.07561	38			

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3 Aroclor 1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

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4 Aroclor 1232 CAS #: 1114-16-5

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

5 Aroclor 1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor 1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor 1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

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8 Aroclor 1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.572	8.571	0.001	9139833	0.08342		42		

Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418006.D

Date : 14-MAR-2018 13:44

Client ID: MB

Instrument: 40GCSJ.i

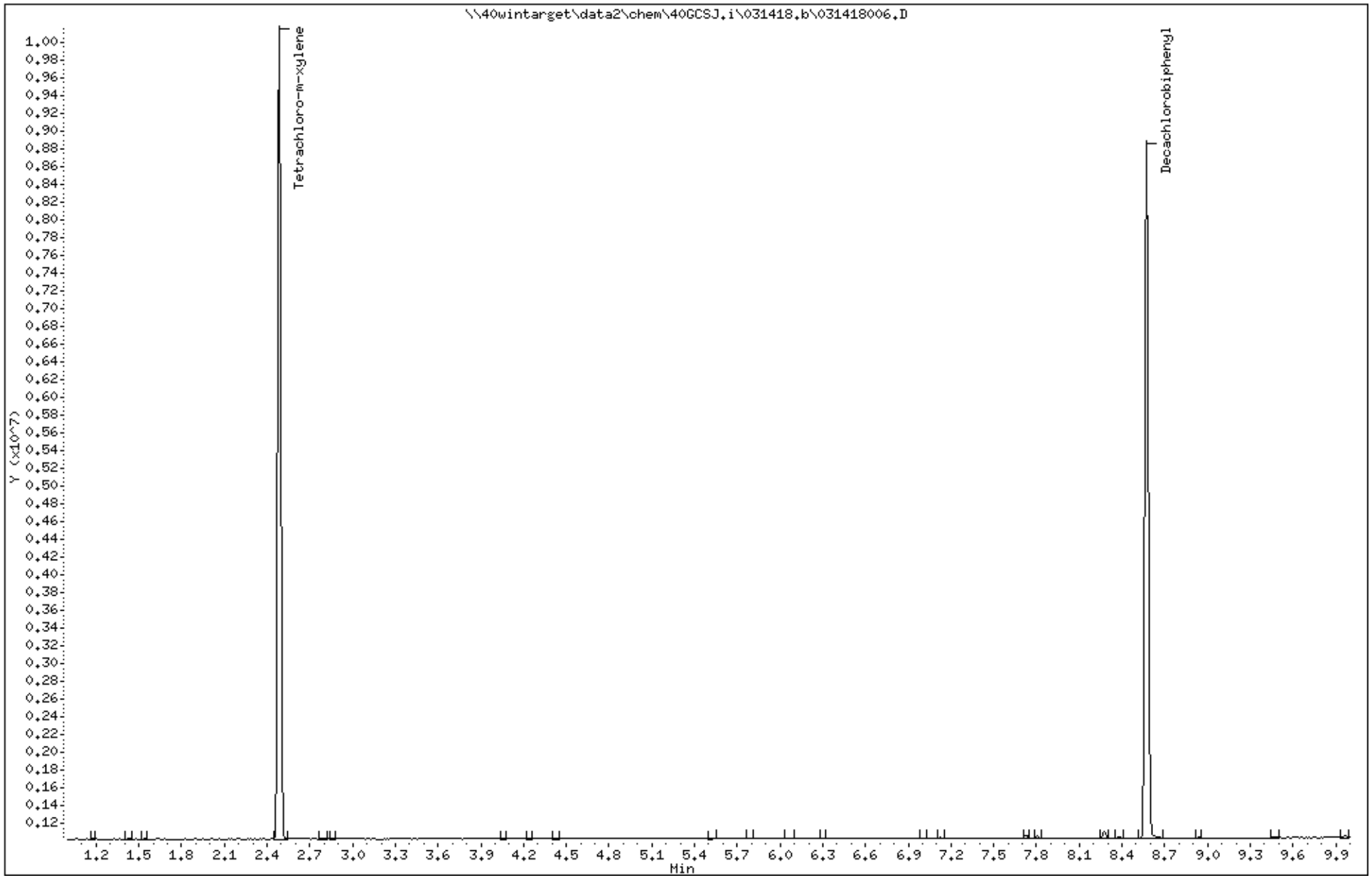
Sample Info: 1658254,

Volume Injected (uL): 1.0

Operator: BLM

Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418006.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 13:44 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1658254

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 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 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 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	
Tetrachloro-m-xylene	9322527	9322527	
Decachlorobiphenyl	9139833	9139833	

SAMPLE NO.

LCS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received:

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/13/2018 07:38

Lab Sample ID: 1658255

Date Analyzed: 03/14/2018 14:00

Lab File ID: 031418.B\031418007.D

Initial wt/vol: 10 g Final wt/vol: 5 mL Dilution: 1

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	232	
12672-29-6	PCB-1248 (Aroclor 1248)	<11.4	U
11097-69-1	PCB-1254 (Aroclor 1254)	<11.4	U
11096-82-5	PCB-1260 (Aroclor 1260)	<11.4	U

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418007.D
Lab Smp Id: 1658255 Client Smp ID: MBLCS
Inj Date : 14-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1658255,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.767	9946	7433	0.747	0.02		
1.803	17693	14637	0.827	0.03		
2.404	111911	87457	0.781	0.24		
2.485	10488341	10397400	0.991	23.61	$ 2 Tetrachloro-m-xylene	
2.687	170402	142152	0.834	0.37		
2.790	209653	195891	0.934	0.46		
2.850	926104	857106	0.925	2.05		
3.055	115628	109822	0.950	0.25		
3.103	10592	6907	0.652	0.02		
3.277	23783	17688	0.744	0.05		
3.317	1181695	1113787	0.943	2.61	3 Aroclor 1242	BA
3.344	665653	631762	0.949	1.47		
3.434	186207	172651	0.927	0.41		
3.514	1157603	831922	0.719	2.56	3 Aroclor 1242	BA
3.697	34912	32671	0.936	0.07		
3.732	304043	304608	1.002	0.67		
3.756	196485	192148	0.978	0.43		
3.826	3337551	1956979	0.586	7.39	3 Aroclor 1242	BA
3.929	1423369	1184695	0.832	3.15	3 Aroclor 1242	BA
3.994	935105	919454	0.983	2.07	3 Aroclor 1242	BA
4.058	258971	236457	0.913	0.57		
4.136	103923	92474	0.890	0.23		
4.214	791632	760649	0.961	1.75		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.261	744052	738740	0.993	1.64	
4.293	303425	314392	1.036	0.67	
4.310	371058	337081	0.908	0.82	
4.369	26503	20717	0.782	0.05	
4.418	1046039	987604	0.944	2.31	
4.452	778452	577300	0.742	1.72	
4.546	1293913	1203273	0.930	2.86	
4.590	19786	18103	0.915	0.04	
4.617	296490	272037	0.918	0.65	
4.678	23183	16757	0.723	0.05	
4.728	66128	56825	0.859	0.14	
4.768	73265	66800	0.912	0.16	
4.813	604724	580382	0.960	1.33	
4.848	1064518	1039421	0.976	2.35	
4.878	1349776	1024261	0.759	2.99	
4.958	145182	115220	0.794	0.32	
5.037	1106774	1036097	0.936	2.45	
5.099	229188	178256	0.778	0.50	
5.163	263878	238330	0.903	0.58	
5.211	199502	171553	0.860	0.44	
5.309	48069	37998	0.790	0.10	
5.363	171461	150475	0.878	0.37	
5.408	287689	240408	0.836	0.63	
5.446	171215	152690	0.892	0.37	
5.511	460004	350202	0.761	1.01	
5.605	139233	117902	0.847	0.30	
5.675	15012	13326	0.888	0.03	
5.717	31085	23808	0.766	0.06	
5.740	34830	32214	0.925	0.07	
5.793	295008	248821	0.843	0.65	
5.889	43717	30083	0.688	0.09	
6.026	284789	216969	0.762	0.63	
6.171	30416	17725	0.583	0.06	
6.300	65116	55728	0.856	0.14	
6.334	16324	13350	0.818	0.03	
6.379	22429	12929	0.576	0.04	
6.512	13440	13494	1.004	0.02	
6.536	22696	17123	0.754	0.05	
6.801	17773	13249	0.745	0.03	
7.007	18694	16572	0.886	0.04	
7.124	13289	12322	0.927	0.02	
7.691	14721	9396	0.638	0.03	
7.729	50729	41436	0.817	0.11	
7.799	44103	29773	0.675	0.09	
8.276	89292	77692	0.870	0.19	
8.378	14689	13560	0.923	0.03	
8.572	10029384	8558329	0.853	22.21	$ 12 Decachlorobiphenyl
8.943	11416	8249	0.723	0.02	
9.961	13880	12395	0.893	0.03	
	45137541	39798117		100.000	

Total unknown % area = 36

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418007.D
Lab Smp Id: 1658255 Client Smp ID: MBLCS
Inj Date : 14-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1658255,
Misc Info : 17523,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\031418.b\pcba030618.m
Meth Date : 02-Apr-2018 11:46 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
Operator disabled compound identification.								
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.485	2.484	0.001	10488341	0.08507	42			
3 Aroclor 1242					CAS #: 53469-21-9			
3.317	3.318	-0.001	1181695	0.46648	230	0.00- 20.00	100.00(M)	BA
3.514	3.513	0.001	1157603	0.45936	230	0.00- 20.00	97.96	BA
3.826	3.827	-0.001	3337551	0.46899	230	0.00- 20.00	282.44	BA
3.928	3.929	-0.001	1423368	0.46798	230	0.00- 20.00	120.45	BA
3.994	3.995	-0.001	935105	0.45665	230	0.00- 20.00	79.13	BA
Average of Peak Concentrations =					230			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

---

5 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

6 Aroclor 1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor 1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor 1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.572	8.571	0.001	10029383	0.09154	46	

QC Flag Legend

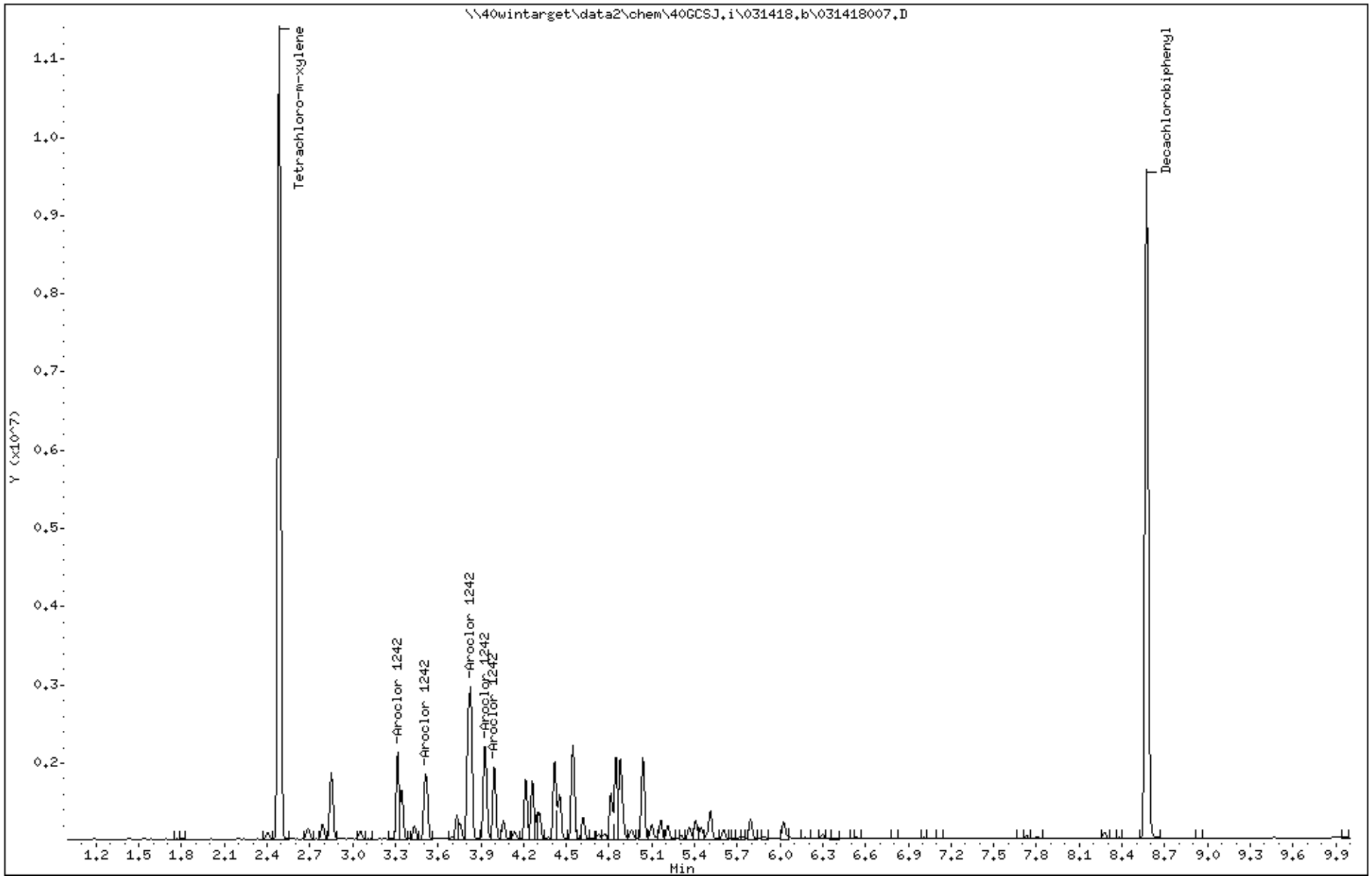
M - Compound response manually integrated.

Review Codes Legend

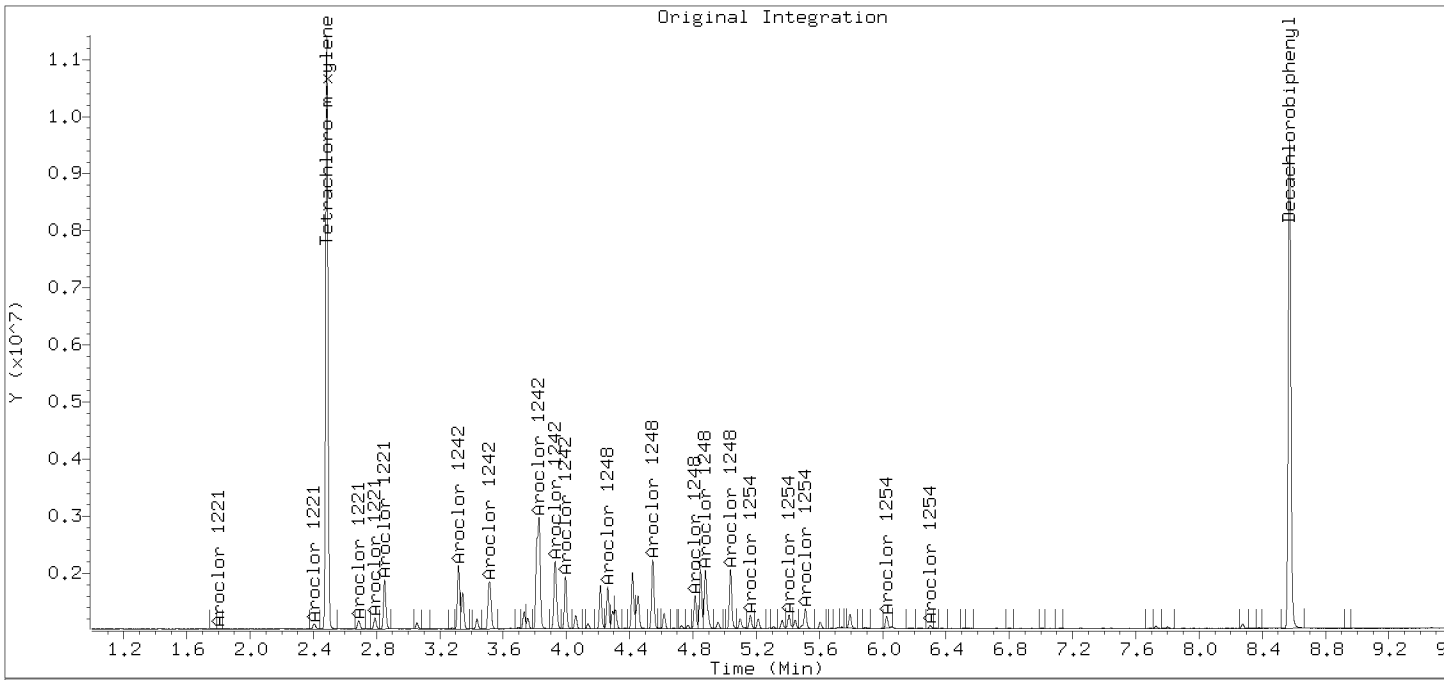
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

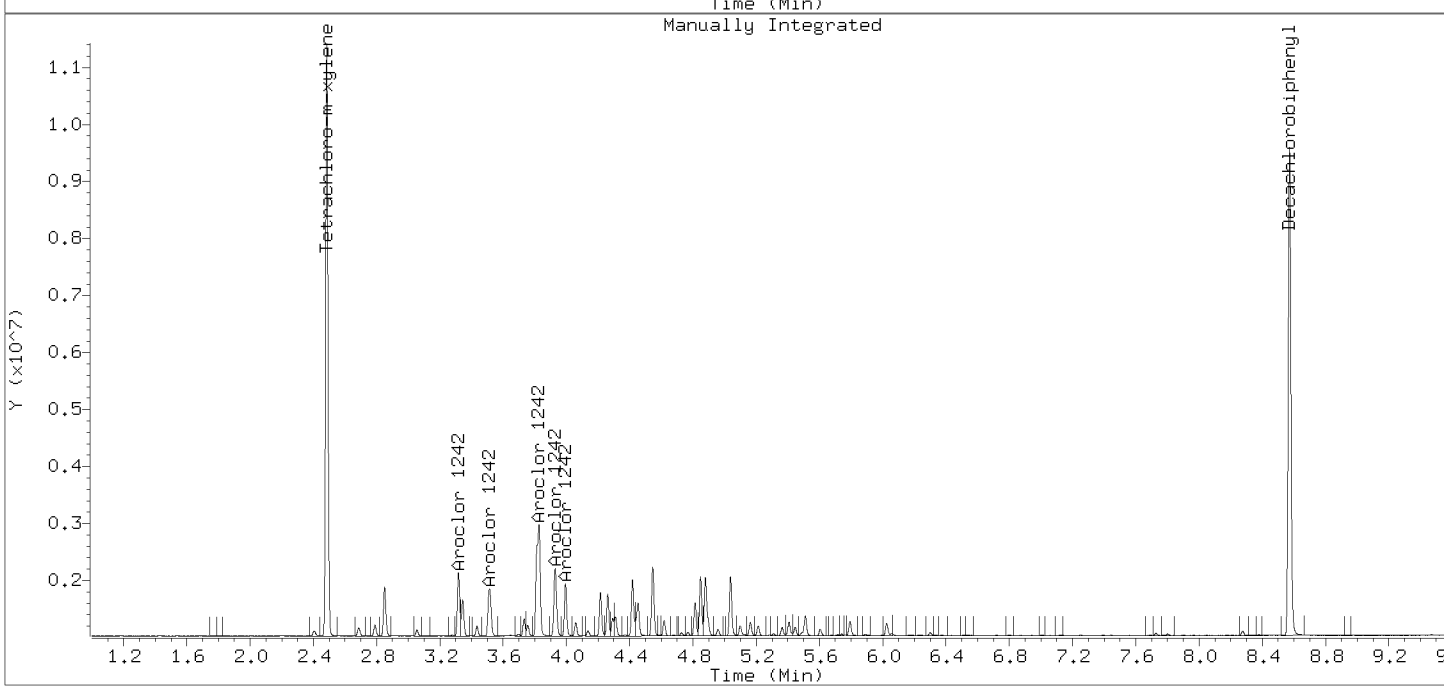
Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b\031418007.D
Date : 14-MAR-2018 14:00
Client ID: MBLCS
Sample Info: 1658255,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

Instrument: 40GCSJ.i
Operator: BLM
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\031418.b/031418007.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 14-MAR-2018 14:00 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1658255





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1177781	0	
Aroclor 1016	1177781	0	
Aroclor 1016	1177781	0	
Aroclor 1016	1177781	0	
Aroclor 1016	1177781	0	
Aroclor 1221	17693	0	
Aroclor 1221	17693	0	
Aroclor 1221	17693	0	
Aroclor 1221	17693	0	
Aroclor 1221	17693	0	
Aroclor 1232	918724	0	
Aroclor 1232	918724	0	
Aroclor 1232	918724	0	
Aroclor 1232	918724	0	

Aroclor 1232	918724	0	
Aroclor 1242	1177781	1181695	BA
Aroclor 1242	1177781	1181695	BA
Aroclor 1242	1177781	1181695	BA
Aroclor 1242	1177781	1181695	BA
Aroclor 1242	1177781	1181695	BA
Aroclor 1248	737221	0	
Aroclor 1248	737221	0	
Aroclor 1248	737221	0	
Aroclor 1248	737221	0	
Aroclor 1248	737221	0	
Aroclor 1254	250152	0	
Aroclor 1254	250152	0	
Aroclor 1254	250152	0	
Aroclor 1254	250152	0	
Aroclor 1254	250152	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Tetrachloro-m-xylene	10488341	10488341	
Decachlorobiphenyl	10029383	10029383	

==========

SAMPLE NO.

BLANK

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received:

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/28/2018 08:09

Lab Sample ID: 1664793

Date Analyzed: 03/30/2018 17:22

Lab File ID: 033018.B\033018010.D

Initial wt/vol: 10 g Final wt/vol: 5 mL Dilution: 1

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	<11.4	U
12672-29-6	PCB-1248 (Aroclor 1248)	<11.4	U
11097-69-1	PCB-1254 (Aroclor 1254)	<11.4	U
11096-82-5	PCB-1260 (Aroclor 1260)	<11.4	U

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018010.D
Lab Smp Id: 1664793 Client Smp ID: MB
Inj Date : 30-MAR-2018 17:22
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1664793,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.184	14570	13384	0.919	0.07		
1.539	10323	9103	0.882	0.05		
1.688	11405	8619	0.756	0.05		
2.199	61443	30725	0.500	0.31		
2.485	9345991	8986785	0.962	48.06	$ 2 Tetrachloro-m-xylene	
2.788	19349	15309	0.791	0.09		
7.125	21633	13203	0.610	0.11		
7.725	44824	39078	0.872	0.23		
7.800	29631	28981	0.978	0.15		
8.274	87961	73547	0.836	0.45		
8.378	20602	13224	0.642	0.10		
8.570	9756823	8203778	0.841	50.24	$ 12 Decachlorobiphenyl	
8.938	10515	8884	0.845	0.05		
9.958	9403	7914	0.842	0.04		
	19444473	17452534		100.000		

Total unknown % area = 1.7

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018010.D
Lab Smp Id: 1664793 Client Smp ID: MB
Inj Date : 30-MAR-2018 17:22
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1664793,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	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		
2.485	2.484	0.001	9345991	0.07580	38			
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).								

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

5 Aroclor 1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor 1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor 1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

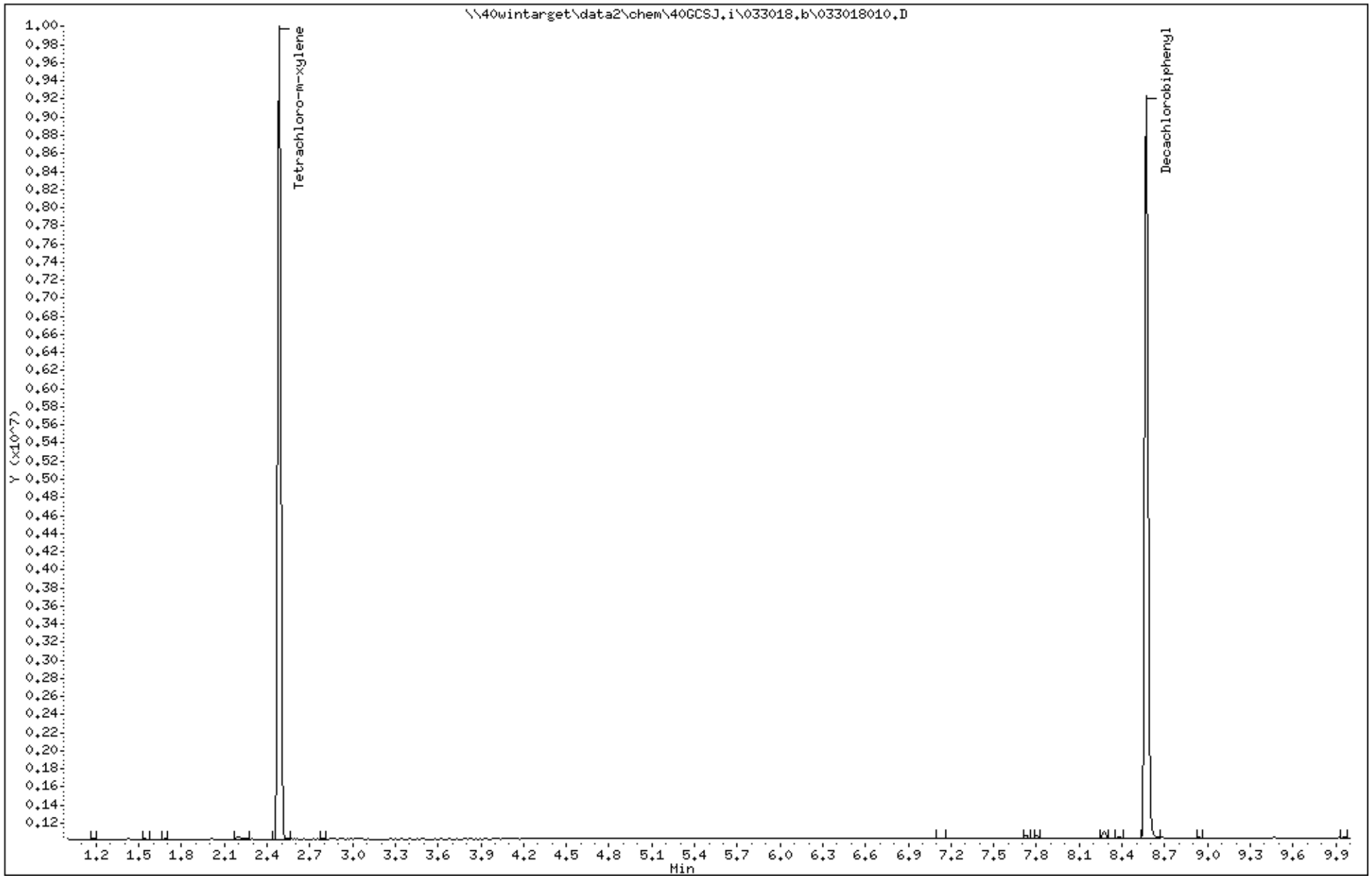
8 Aroclor 1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.569	8.571	-0.002	9756823	0.08905		44		

Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018010.D
Date : 30-MAR-2018 17:22
Client ID: MB
Instrument: 40GCSJ.i
Sample Info: 1664793,
Volume Injected (uL): 1.0
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b/033018010.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 30-MAR-2018 17:22 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1664793

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 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 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 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	
Tetrachloro-m-xylene	9345991	9345991	
Decachlorobiphenyl	9756823	9756823	

SAMPLE NO.

LCS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION

Date Received:

Matrix: Tissue SDG No.: 40151549

Date Extracted: 03/28/2018 08:09

Lab Sample ID: 1664794

Date Analyzed: 03/30/2018 17:38

Lab File ID: 033018.B\033018011.D

Initial wt/vol: 10 g Final wt/vol: 5 mL Dilution: 1

Instrument: 40GCSJ Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<11.4	U
11104-28-2	PCB-1221 (Aroclor 1221)	<11.4	U
11141-16-5	PCB-1232 (Aroclor 1232)	<11.4	U
53469-21-9	PCB-1242 (Aroclor 1242)	236	
12672-29-6	PCB-1248 (Aroclor 1248)	<11.4	U
11097-69-1	PCB-1254 (Aroclor 1254)	<11.4	U
11096-82-5	PCB-1260 (Aroclor 1260)	<11.4	U

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018011.D
Lab Smp Id: 1664794 Client Smp ID: MBLCS
Inj Date : 30-MAR-2018 17:38
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1664794,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.185	14371	12627	0.879	0.03		
1.423	10530	7685	0.730	0.02		
1.536	13414	7924	0.591	0.02		
1.686	11381	10053	0.883	0.02		
2.198	54145	32734	0.605	0.11		
2.405	112460	86945	0.773	0.24		
2.484	10031155	9542303	0.951	22.16	$ 2 Tetrachloro-m-xylene	
2.687	169882	137424	0.809	0.37		
2.789	206912	194056	0.938	0.45		
2.850	916005	843455	0.921	2.02		
3.054	109450	106780	0.976	0.24		
3.276	24277	17988	0.741	0.05		
3.318	1194942	1102529	0.923	2.63	3 Aroclor 1242	BA
3.344	673074	628279	0.933	1.48		
3.433	189004	166505	0.881	0.41		
3.513	1179824	838056	0.710	2.60	3 Aroclor 1242	BA
3.647	20606	14963	0.726	0.04		
3.696	33251	32704	0.984	0.07		
3.731	305888	299746	0.980	0.67		
3.756	201569	189205	0.939	0.44		
3.827	3390735	1931255	0.570	7.49	3 Aroclor 1242	BA
3.928	1455755	1202014	0.826	3.21	3 Aroclor 1242	BA
3.993	960656	896360	0.933	2.12	3 Aroclor 1242	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.057	264291	236277	0.894	0.58	
4.136	107261	95815	0.893	0.23	
4.214	794554	739961	0.931	1.75	
4.260	755016	715461	0.948	1.66	
4.292	310234	311821	1.005	0.68	
4.309	379143	345005	0.910	0.83	
4.370	23790	19392	0.815	0.05	
4.417	1056407	979658	0.927	2.33	
4.451	808986	599820	0.741	1.78	
4.545	1342685	1194659	0.890	2.96	
4.617	306653	277666	0.905	0.67	
4.681	21743	18158	0.835	0.04	
4.727	68527	54682	0.798	0.15	
4.767	71956	65521	0.911	0.15	
4.812	606613	573568	0.946	1.34	
4.847	1080460	1003008	0.928	2.38	
4.878	1382549	1012969	0.733	3.05	
4.957	157241	119163	0.758	0.34	
5.037	1141778	1008137	0.883	2.52	
5.099	236608	175642	0.742	0.52	
5.162	271430	237736	0.876	0.59	
5.212	196259	173485	0.884	0.43	
5.284	17550	15371	0.876	0.03	
5.308	48879	38335	0.784	0.10	
5.362	170525	144062	0.845	0.37	
5.406	294036	234927	0.799	0.64	
5.446	178715	155302	0.869	0.39	
5.509	476178	345620	0.726	1.05	
5.605	140916	119367	0.847	0.31	
5.674	15337	14250	0.929	0.03	
5.716	27794	21374	0.769	0.06	
5.741	51456	31217	0.607	0.11	
5.792	299958	231188	0.771	0.66	
5.888	48680	27142	0.558	0.10	
6.023	280916	206418	0.735	0.62	
6.167	30563	17934	0.587	0.06	
6.299	63446	50975	0.803	0.14	8 Aroclor 1260
6.334	16217	13312	0.821	0.03	
6.511	9835	10746	1.093	0.02	
6.535	25592	16656	0.651	0.05	
6.805	14085	11480	0.815	0.03	
7.005	20456	15271	0.747	0.04	8 Aroclor 1260
7.124	18063	14848	0.822	0.03	
7.245	11908	10334	0.868	0.02	8 Aroclor 1260
7.444	13524	9088	0.672	0.02	8 Aroclor 1260
7.727	48321	42048	0.870	0.10	
7.801	31610	31396	0.993	0.06	
7.899	9566	7815	0.817	0.02	8 Aroclor 1260
8.275	89863	76286	0.849	0.19	
8.378	17149	13847	0.807	0.03	
8.570	10109187	8088140	0.800	22.73	$ 12 Decachlorobiphenyl
9.462	11459	9498	0.829	0.02	
9.956	11260	11145	0.990	0.02	
	45266512	38294586		100.000	

Total unknown % area = 37

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018011.D
Lab Smp Id: 1664794 Client Smp ID: MBLCS
Inj Date : 30-MAR-2018 17:38
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1664794,
Misc Info : 17591,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\033018.b\pcba030618.m
Meth Date : 05-Apr-2018 14:48 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BIOTA.sub
Target Version: RC10A Sample Matrix: Biota

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	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	10.000	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
1 Aroclor 1221					CAS #: 11104-28-2			
Operator disabled compound identification.								
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.484	2.484	0.000	10031154	0.08136	41			
3 Aroclor 1242					CAS #: 53469-21-9			
3.317	3.318	-0.001	1194941	0.47171	240	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	1179824	0.46818	230	0.00- 20.00	98.73	BA
3.826	3.827	-0.001	3390734	0.47646	240	0.00- 20.00	283.76	BA
3.928	3.929	-0.001	1455755	0.47863	240	0.00- 20.00	121.83	BA
3.993	3.995	-0.002	960656	0.46913	230	0.00- 20.00	80.39	BA
Average of Peak Concentrations =					240			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE

4 Aroclor 1232 CAS #: 1114-16-5

Operator disabled compound identification.

---

5 Aroclor 1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

6 Aroclor 1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor 1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor 1260 CAS #: 11096-82-5

Qualifier signal(s) failed ratio test. BA

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.570	8.571	-0.001	10109187	0.09227		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.

Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b\033018011.D

Date : 30-MAR-2018 17:38

Client ID: MBLCS

Instrument: 40GCSJ.i

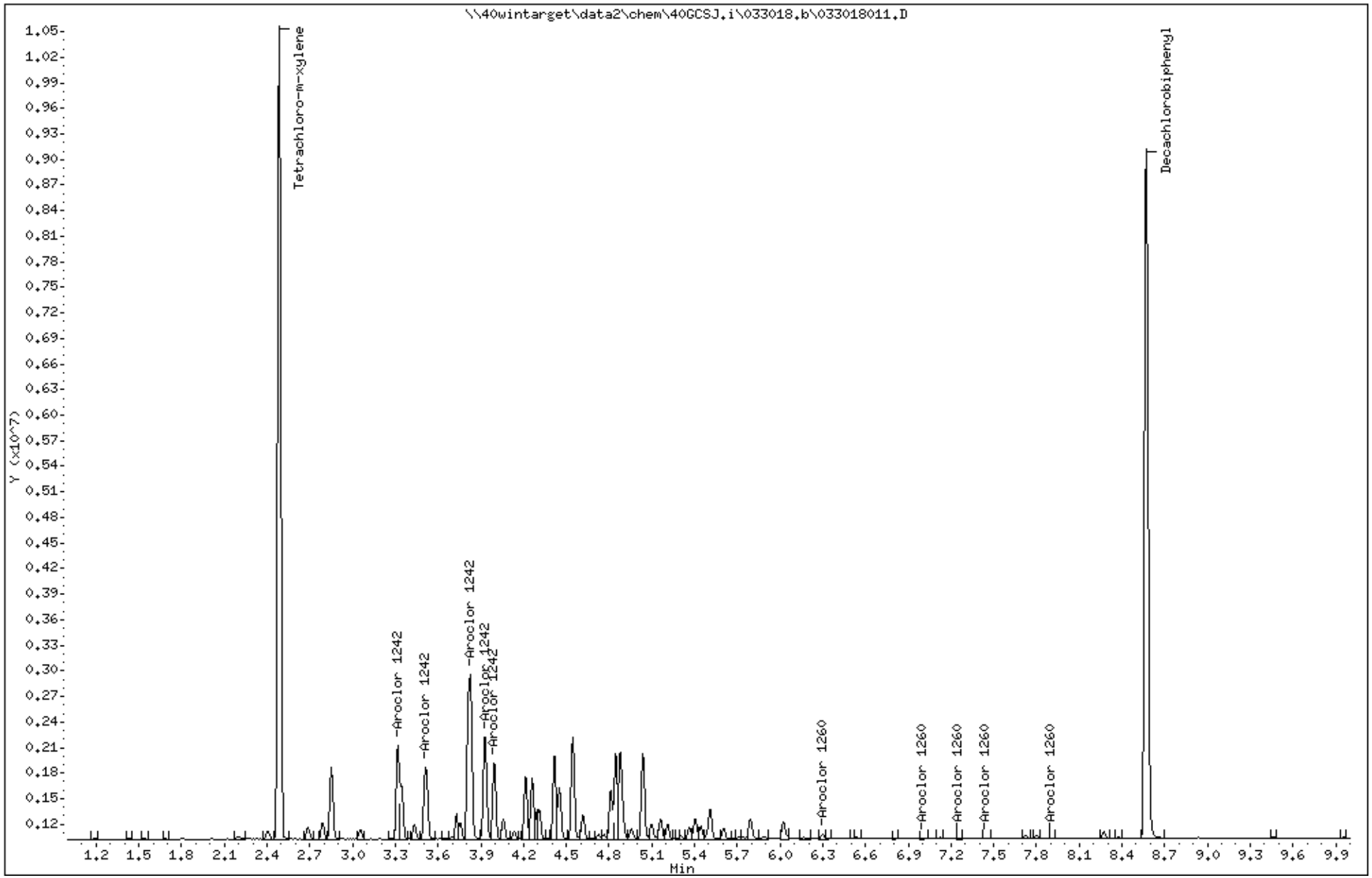
Sample Info: 1664794,

Volume Injected (uL): 1.0

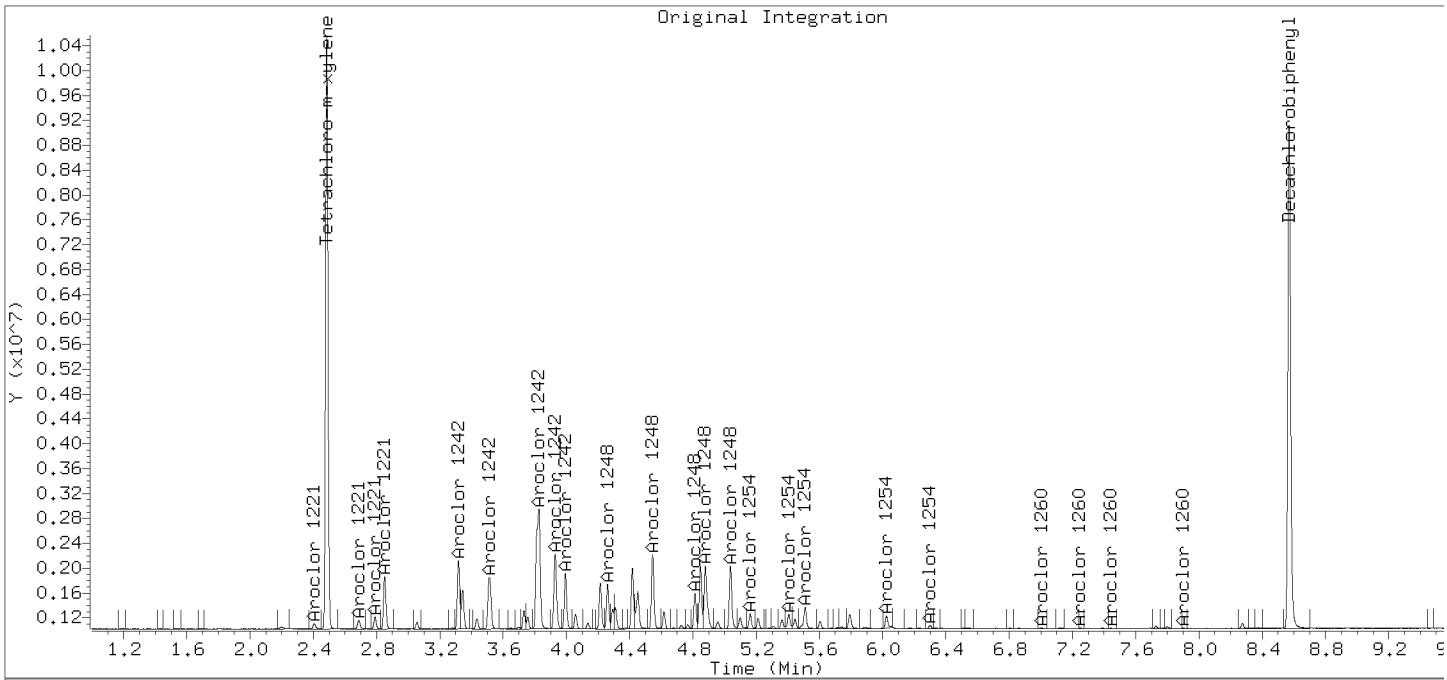
Operator: BLM

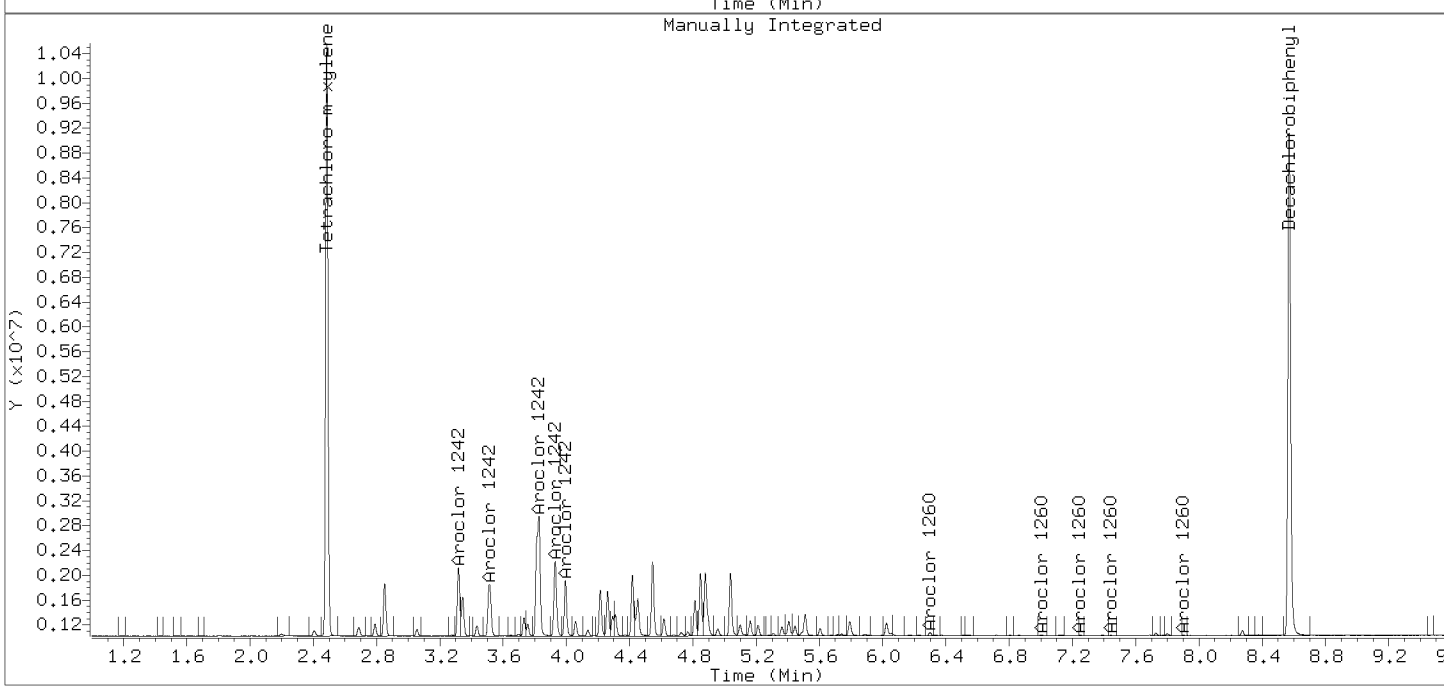
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\033018.b/033018011.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 30-MAR-2018 17:38 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1664794





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1186083	0	
Aroclor 1016	1186083	0	
Aroclor 1016	1186083	0	
Aroclor 1016	1186083	0	
Aroclor 1016	1186083	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	916004	0	
Aroclor 1232	916004	0	
Aroclor 1232	916004	0	
Aroclor 1232	916004	0	

Aroclor 1232	916004	0	
Aroclor 1242	1186083	1194941	BA
Aroclor 1242	1186083	1194941	BA
Aroclor 1242	1186083	1194941	BA
Aroclor 1242	1186083	1194941	BA
Aroclor 1242	1186083	1194941	BA
Aroclor 1248	753062	0	
Aroclor 1248	753062	0	
Aroclor 1248	753062	0	
Aroclor 1248	753062	0	
Aroclor 1248	753062	0	
Aroclor 1254	261395	0	
Aroclor 1254	261395	0	
Aroclor 1254	261395	0	
Aroclor 1254	261395	0	
Aroclor 1254	261395	0	
Aroclor 1260	0	0	BA
Aroclor 1260	0	0	BA
Aroclor 1260	0	0	BA
Aroclor 1260	0	0	BA
Aroclor 1260	0	0	BA
Tetrachloro-m-xylene	10031154	10031154	
Decachlorobiphenyl	10109187	10109187	

==========

Prep Log Report

Batch Information: OEXT 283116 PCB-B

Template Version: F-GB-O-113-Rev.03 (19Feb2018)

Prep Method	EPA 3541	Analysis Method	EPA 8082A Mod	Extracted By	AMC	Extracted Date/Time	03/13/2018 07:38:05:819
Spiked By	AMC	Spiked By Date/Time	03/13/2018 07:38:06:514	Witnessed By	BLM	Witnessed By Date/Time	03/13/2018 07:38:06:514
Instrument	40BALL	Conc. Temp #1	40	Conc. Temp #2	40	Methylene Chloride	None Added
Hexane	188917	Sodium Sulfate	188340	Florisil	186910	3620B Date/Initials	3/14/18 AMC
H2SO4 - Conc.	179360	Acid 3665A Date/Initials	3/14/18 AMC	Tuna	None Added	Reviewed By	BLM
Reviewed By Date	03/23/2018 14:36	Batch Notes	Hex/Ace 50:50-191186				

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1242-SPK (mL)
8082A TNYP	BLANK	**1658254**	10	5	3		189973 (.25)	
8082A TNYP	LCS	**1658255**	10	5	3		189973 (.25)	182336 (.125)
8082A TNYP	PS	**40151549002**	9.986	5	3		189973 (.25)	
8082A TNYP	PS	**40151549003**	10.003	5	3		189973 (.25)	
8082A TNYP	PS	**40151549004**	10.0055	5	3		189973 (.25)	
8082A TNYP	PS	**40151549005**	10.0008	5	3		189973 (.25)	
8082A TNYP	PS	**40151549006**	10.0138	5	3		189973 (.25)	
8082A TNYP	PS	**40151549007**	10.0021	5	3		189973 (.25)	
8082A TNYP	PS	**40151549008**	10.0178	5	3		189973 (.25)	
8082A TNYP	PS	**40151549009**	10.0005	5	3		189973 (.25)	
8082A TNYP	RQS	**40151552010**	9.9677	5	3		189973 (.25)	
8082A TNYP	MS	**1658256**	9.9946	5	3		189973 (.25)	182336 (.125)
8082A TNYP	DUP	**1658257**	10.0089	5	3		189973 (.25)	
8082A TNYP	PS	**40151601003**	10.0319	5	3		189973 (.25)	
8082A TNYP	PS	**40151601004**	9.9968	5	3		189973 (.25)	
8082A TNYP	PS	**40151601005**	10.0156	5	3		189973 (.25)	

Prep Log Report

40151549

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1242-SPK (mL)
8082A TNYP	PS	**40151601006**	9.9883	5	3		189973 (.25)	

Standard Notes:

182336: Ar1242 Spike @20ug/mL 40GCS9. **189973: Pest/PCB Surrogate Spike 40GCSC.**

Prep Log Report

Batch Information: OEXT 284454 PCB-B

Template Version: F-GB-O-113-Rev.05 (22Mar2018)

Prep Method	EPA 3541	Analysis Method	EPA 8082A Mod	Extracted By	AMC	Extracted Date/Time	03/28/2018 08:09:30:539
Spiked By	AMC	Spiked By Date/Time	03/28/2018 08:09:31:564	Witnessed By	ETB	Witnessed By Date/Time	03/28/2018 08:09:35:108
Instrument	40BALL	Conc. Temp #1	40	Conc. Temp #2	40	Methylene Chloride	None Added
Hexane/Acetone 1:1	192488	Hexane	188917	Sodium Sulfate	190953	Florisil	186910
3620B Date/Initials	03/29/18 ETB	H2SO4 - Conc.	179360	Acid 3665A Date/Initials	03/29/18 ETB	Tuna	None Added
Reviewed By	BLM	Reviewed By Date	04/06/2018 08:50	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1242-SPK (mL)
8082A TNYP	BLANK	**1664793**	10	5	3		189973 (.25)	
8082A TNYP	LCS	**1664794**	10	5	3		189973 (.25)	182336 (.125)
8082A TNYP	PS	**40151549001**	10.0051	5	3		189973 (.25)	
8082A TNYP	PS	**40151601001**	10.0134	5	3		189973 (.25)	
8082A TNYP	PS	**40151613001**	9.9785	5	3		189973 (.25)	
8082A TNYP	MS	**1664795**	9.9787	5	3		189973 (.25)	182336 (.125)
8082A TNYP	DUP	**1664796**	9.9864	5	3		189973 (.25)	
8082A TNYP	PS	**40151613002**	9.9976	5	3		189973 (.25)	
8082A TNYP	PS	**40151614002**	10.0031	5	3		189973 (.25)	
8082A TNYP	PS	**40151614003**	9.9906	5	3		189973 (.25)	
8082A TNYP	PS	**40151614004**	9.986	5	3		189973 (.25)	
8082A TNYP	PS	**40151613014**	10	5	3		189973 (.25)	
8082A TNYP	PS	**40151800005**	10.0085	5	3		189973 (.25)	
8082A TNYP	PS	**40151802001**	9.9815	5	3		189973 (.25)	
8082A TNYP	PS	**40151802002**	9.994	5	2.5	1*	189973 (.25)	
8082A TNYP	PS	**40151802003**	9.9604	5	3		189973 (.25)	

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Volume Delivered (mL)	Sample Notes	8081-SS (mL)	AR1242-SPK (mL)
8082A TNYP	PS	**40151802004**	10.0221	5	3		189973 (.25)	
8082A TNYP	PS	**40151802005**	9.9766	5	3		189973 (.25)	
8082A TNYP	PS	**40151805001**	10.0137	5	3		189973 (.25)	
8082A TNYP	PS	**40157825001**	9.9773	5	3		189973 (.25)	
8082A TNYP	DUP	**1664809**	10.019	5	3		189973 (.25)	

Sample Notes:

1*: An extra half a mL was added to the lipids tin so the delivered volumes is 0.5mL lower than usual. AMC 4/6/18

Standard Notes:

182336: Ar1242 Spike @20ug/mL 40GCS9. **189973: Pest/PCB Surrogate Spike 40GCSC.**

```
   Sequence Name: C:\msdchem\1\sequence\031418.s
         Comment:
        Operator:
       Data Path: C:\MSDCHEM\1\DATA\031418\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------------
   Line                     Sample Name/Misc Info
 1) RearSamp        1  HEXANE
     Datafile          --------
     Method            SCREEN2014
 2) Sample          2  HEXANE
     Datafile          --------
     Method            SCREEN2014
 3) RearSamp        3  1658516MB
     Datafile          --------
     Method            SCREEN2014
 4) Sample          4  1658517LCS
     Datafile          --------
     Method            SCREEN2014
 5) RearSamp        5  1658518MS
     Datafile          --------
     Method            SCREEN2014
 6) Sample          6  1658519MSD
     Datafile          --------
     Method            SCREEN2014
 7) RearSamp        7  40165780-001
     Datafile          --------
     Method            SCREEN2014
 8) Sample          8  40165780-002
     Datafile          --------
     Method            SCREEN2014
 9) RearSamp        9  40165780-003
     Datafile          --------
     Method            SCREEN2014
10) Sample         10  40165627-002
     Datafile          --------
     Method            SCREEN2014
11) RearSamp       11  40165627-003
     Datafile          --------
     Method            SCREEN2014
12) Sample         12  40165627-004
     Datafile          --------
     Method            SCREEN2014
13) RearSamp       13  40165627-005P
     Datafile          --------
     Method            SCREEN2014
14) Sample         14  40165627-006
     Datafile          --------
     Method            SCREEN2014
15) RearSamp       15  1658254MB
     Datafile          --------
     Method            SCREEN2014
16) Sample         16  1658255LCS
     Datafile          --------
     Method            SCREEN2014
17) RearSamp       17  1658256MS x 3
     Datafile          --------
     Method            SCREEN2014
18) Sample         18  40151549-002
     Datafile          --------
     Method            SCREEN2014
19) RearSamp       19  40151549-003
     Datafile          --------

   Last Modified: Wed Mar 14 10:16:14 2018                Page:  1
```

GE BIOTA

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Read and Understood By

Signed 3/15/18 Date Signed 3/15/18 Date

```
      Method                SCREEN2014
20) Sample          20  40151549-004 —
      Datafile              --------
      Method                SCREEN2014
21) RearSamp        21  40151549-005 x5
      Datafile              --------
      Method                SCREEN2014
22) Sample          22  40151549-006 x2
      Datafile              --------
      Method                SCREEN2014
23) RearSamp        23  40151549-007 x3
      Datafile              --------
      Method                SCREEN2014
24) Sample          24  40151549-008 x2
      Datafile              --------
      Method                SCREEN2014
25) RearSamp        25  40151549-009 —
      Datafile              --------
      Method                SCREEN2014
26) Sample          26  40151552-010P x3
      Datafile              --------
      Method                SCREEN2014
27) RearSamp        27  1658257DUP x3
      Datafile              --------
      Method                SCREEN2014
28) Sample          28  40151601-003 —
      Datafile              --------
      Method                SCREEN2014
29) RearSamp        29  40151601-004 —
      Datafile              --------
      Method                SCREEN2014
30) Sample          30  40151601-005 —
      Datafile              --------
      Method                SCREEN2014
31) RearSamp        31  40151601-006 —
      Datafile              --------
      Method                SCREEN2014
32) Sample          32  HEXANE
      Datafile              --------
      Method                SCREEN2014
```

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BLM 3/15/18

Continued on Page —

Read and Understood By

Signed 03/15/18 Date Signed 3/15/18 Date

```
   Sequence Name: C:\msdchem\1\sequence\033018.s
         Comment:
        Operator:
       Data Path: C:\MSDCHEM\1\DATA\033018\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                     Sample Name/Misc Info
 1) RearSamp        1  HEXANE
     Datafile          --------
     Method            SCREEN2014
 2) Sample          2  HEXANE
     Datafile          --------
     Method            SCREEN2014
 3) RearSamp        3  1664793MB
     Datafile          --------
     Method            SCREEN2014
 4) Sample          4  1664794LCS
     Datafile          --------
     Method            SCREEN2014
 5) RearSamp        5  1664795MS —
     Datafile          --------
     Method            SCREEN2014
 6) Sample          6  40151549-001 x3
     Datafile          --------
     Method            SCREEN2014
 7) RearSamp        7  40151601-001 —
     Datafile          --------
     Method            SCREEN2014
 8) Sample          8  40151613-001 —
     Datafile          --------
     Method            SCREEN2014
 9) RearSamp        9  1664796DUP —
     Datafile          --------
     Method            SCREEN2014
10) Sample         10  40151613-002 —
     Datafile          --------
     Method            SCREEN2014
11) RearSamp       11  40151614-002 x2
     Datafile          --------
     Method            SCREEN2014
12) Sample         12  40151614-003 x3
     Datafile          --------
     Method            SCREEN2014
13) RearSamp       13  40151614-004 —
     Datafile          --------
     Method            SCREEN2014
14) Sample         14  40151613-014 —
     Datafile          --------
     Method            SCREEN2014
15) RearSamp       15  40151800-005 —
     Datafile          --------
     Method            SCREEN2014
16) Sample         16  40151802-001 —
     Datafile          --------
     Method            SCREEN2014
17) RearSamp       17  40151802-002 —
     Datafile          --------
     Method            SCREEN2014
18) Sample         18  40151802-003 —
     Datafile          --------
     Method            SCREEN2014
19) RearSamp       19  40151802-004 —
     Datafile          --------

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```

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BLM 4/3/18

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Read and Understood By

Signed 4/3/18 Date Signed 4-3-18 Date

```
      Method              SCREEN2014
20) Sample          20  40151802-005
      Datafile            --------
      Method              SCREEN2014
21) RearSamp        21  40151805-001
      Datafile            --------
      Method              SCREEN2014
22) Sample          22  40157825-001
      Datafile            --------
      Method              SCREEN2014
23) RearSamp        23  1664809DUP
      Datafile            --------
      Method              SCREEN2014
24) Sample          24  HEXANE
      Datafile            --------
      Method              SCREEN2014
25) RearSamp        25  40166572-014
      Datafile            --------
      Method              SCREEN2014
26) Sample          26  40166575-010
      Datafile            --------
      Method              SCREEN2014
27) RearSamp        27  40166548-002 X1000
      Datafile            --------
      Method              SCREEN2014
28) Sample          28  1666113MS
      Datafile            --------
      Method              SCREEN2014
29) RearSamp        29  1666114DUP
      Datafile            --------
      Method              SCREEN2014
30) Sample          30  40166571-015
      Datafile            --------
      Method              SCREEN2014
31) RearSamp        31  40166568-002
      Datafile            --------
      Method              SCREEN2014
32) Sample          32  40166568-004
      Datafile            --------
      Method              SCREEN2014
33) RearSamp        33  40166568-005
      Datafile            --------
      Method              SCREEN2014
34) Sample          34  40166568-006
      Datafile            --------
      Method              SCREEN2014
35) RearSamp        35  40166568-007
      Datafile            --------
      Method              SCREEN2014
36) Sample          36  40166568-008
      Datafile            --------
      Method              SCREEN2014
37) RearSamp        37  40166568-009
      Datafile            --------
      Method              SCREEN2014
38) Sample          38  40166568-010
      Datafile            --------
      Method              SCREEN2014
39) RearSamp        39  40166568-011
      Datafile            --------
      Method              SCREEN2014
40) Sample          40  40166568-012
      Datafile            --------
      Method              SCREEN2014
41) RearSamp        41  40166568-013
      Datafile            --------
      Method              SCREEN2014
42) Sample          42  40166568-014
      Datafile            --------
      Method              SCREEN2014
43) RearSamp        43  40166568-016
      Datafile            --------
```

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Read and Understood By

Bryan Mayl — Signed — 4/3/18 Date

Dawn Nagy — Signed — 4-3-18 Date

Sequence Name: C:\msdchem\1\sequence\033018.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	44	40166568-017		
	Datafile		--------		
	Method			SCREEN2014	
45)	RearSamp	45	40166568-018		
	Datafile		--------		
	Method			SCREEN2014	
46)	Sample	46	40166568-019		
	Datafile		--------		
	Method			SCREEN2014	
47)	RearSamp	47	40166568-020		
	Datafile		--------		
	Method			SCREEN2014	
48)	Sample	48	HEXANE		
	Datafile		--------		
	Method			SCREEN2014	
49)	RearSamp	49	40166548-002 X100		
	Datafile		--------		
	Method			SCREEN2014	
50)	Sample	50	1665641MB		
	Datafile		--------		
	Method			SCREEN2014	
51)	RearSamp	51	1665642LCS		
	Datafile		--------		
	Method			SCREEN2014	
52)	Sample	52	1665643MS × 2		
	Datafile		--------		
	Method			SCREEN2014	
53)	RearSamp	53	40157488-001 —		
	Datafile		--------		
	Method			SCREEN2014	
54)	Sample	54	40157488-002 × 2		
	Datafile		--------		
	Method			SCREEN2014	
55)	RearSamp	55	40157488-003 —		
	Datafile		--------		
	Method			SCREEN2014	
56)	Sample	56	40157488-004 × 3		
	Datafile		--------		
	Method			SCREEN2014	
57)	RearSamp	57	40157488-005P —		
	Datafile		--------		
	Method			SCREEN2014	
58)	Sample	58	1665644DUP —		
	Datafile		--------		
	Method			SCREEN2014	
59)	RearSamp	59	40157489-001 —		
	Datafile		--------		
	Method			SCREEN2014	
60)	Sample	60	40157489-002 —		
	Datafile		--------		
	Method			SCREEN2014	
61)	RearSamp	61	40157489-003 —		
	Datafile		--------		
	Method			SCREEN2014	
62)	Sample	62	40157489-004 —		
	Datafile		--------		
	Method			SCREEN2014	
63)	RearSamp	63	40157489-005 ×2		
	Datafile		--------		
	Method			SCREEN2014	
64)	Sample	64	40157825-002 —		
	Datafile		--------		
	Method			SCREEN2014	
65)	RearSamp	65	40157825-003 —		
	Datafile		--------		
	Method			SCREEN2014	
66)	Sample	66	40157825-004 —		
	Datafile		--------		

GE BIOTA

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```
      Method              SCREEN2014
67) RearSamp       67  40157825-005 —
      Datafile            --------
      Method              SCREEN2014
68) Sample         68  40157825-006 —
      Datafile            --------
      Method              SCREEN2014
69) RearSamp       69  1665645DUP —
      Datafile            --------
      Method              SCREEN2014
70) Sample         70  40157825-007 ×2
      Datafile            --------
      Method              SCREEN2014
71) RearSamp       71  40157825-008 ×3
      Datafile            --------
      Method              SCREEN2014
72) Sample         72  40157825-009 ×5
      Datafile            --------
      Method              SCREEN2014
73) RearSamp       73  40157825-010 —
      Datafile            --------
      Method              SCREEN2014
74) Sample         74  HEXANE
      Datafile            --------
      Method              SCREEN2014
```

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Bryan Meyl — Signed — 4/3/18 — Date

Dawn Haag — Signed — 4-3-18 — Date

```
   Sequence Name: C:\msdchem\1\sequence\030618.s
         Comment:
        Operator: BLM
       Data Path: C:\MSDCHEM\1\DATA\030618\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                    Sample Name/Misc Info
 1)  Unlinked
 2) RearSamp        1  prime
     Datafile          030618001
     Method            GEBIOTA2017
 3) Sample          2  prime
     Datafile          030618002
     Method            GEBIOTA2017
 4) RearSamp        3  HEXANE
     Datafile          030618003
     Method            GEBIOTA2017
 5) Sample          4  HEXANE
     Datafile          030618004
     Method            GEBIOTA2017
 6) RearSamp        5  1232-CAL3S,185539:1,17499,NSA
     Datafile          030618005
     Method            GEBIOTA2017
 7) Sample          4  HEXANE
     Datafile          030618006
     Method            GEBIOTA2017
 8) RearSamp        6  1221-CAL1F,188138:1,17499,NSA
     Datafile          030618007
     Method            GEBIOTA2017
 9) Sample          5  1232-CAL3S,185539:1,17498,NSA
     Datafile          030618008
     Method            GEBIOTA2017
10) RearSamp        7  1221-CAL2F,188139:1,17499,NSA
     Datafile          030618009
     Method            GEBIOTA2017
11) Sample          6  1221-CAL1F,188138:1,17498,NSA
     Datafile          030618010
     Method            GEBIOTA2017
12) RearSamp        8  1221-CAL3F,185538:1,17499,NSA
     Datafile          030618011
     Method            GEBIOTA2017
13) Sample          7  1221-CAL2F,188139:1,17498,NSA
     Datafile          030618012
     Method            GEBIOTA2017
14) RearSamp        9  1221-CAL4F,188140:1,17499,NSA
     Datafile          030618013
     Method            GEBIOTA2017
15) Sample          8  1221-CAL3F,185538:1,17498,NSA
     Datafile          030618014
     Method            GEBIOTA2017
16) RearSamp       10  1221-CAL5F,188141:1,17499,NSA
     Datafile          030618015
     Method            GEBIOTA2017
17) Sample          9  1221-CAL4F,188140:1,17498,NSA
     Datafile          030618016
     Method            GEBIOTA2017
18) RearSamp       11  HEXANE
     Datafile          030618017
     Method            GEBIOTA2017
19) Sample         10  1221-CAL5F,188141:1,17498,NSA
     Datafile          030618018
     Method            GEBIOTA2017
20) RearSamp       12  1242-CAL1B,188132:1,17499,NSA

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```

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```
      Datafile          030618019
      Method            GEBIOTA2017
21) Sample        11    HEXANE
      Datafile          030618020
      Method            GEBIOTA2017
22) RearSamp      13    1242-CAL2B,185543:1,17499,NSA
      Datafile          030618021
      Method            GEBIOTA2017
23) Sample        12    1242-CAL1B,188132:1,17498,NSA
      Datafile          030618022
      Method            GEBIOTA2017
24) RearSamp      14    1242-CAL3B,185544:1,17499,NSA
      Datafile          030618023
      Method            GEBIOTA2017
25) Sample        13    1242-CAL2B,185543:1,17498,NSA
      Datafile          030618024
      Method            GEBIOTA2017
26) RearSamp      15    1242-CAL4B,185545:1,17499,NSA
      Datafile          030618025
      Method            GEBIOTA2017
27) Sample        14    1242-CAL3B,185544:1,17498,NSA
      Datafile          030618026
      Method            GEBIOTA2017
28) RearSamp      16    1242-CAL5B,185546:1,17499,NSA
      Datafile          030618027
      Method            GEBIOTA2017
29) Sample        15    1242-CAL4B,185545:1,17498,NSA
      Datafile          030618028
      Method            GEBIOTA2017
30) RearSamp      17    HEXANE
      Datafile          030618029
      Method            GEBIOTA2017
31) Sample        16    1242-CAL5B,185546:1,17498,NSA
      Datafile          030618030
      Method            GEBIOTA2017
32) RearSamp      18    1248-CAL1D,188134:1,17499,NSA
      Datafile          030618031
      Method            GEBIOTA2017
33) Sample        17    HEXANE
      Datafile          030618032
      Method            GEBIOTA2017
34) RearSamp      19    1248-CAL2D,185548:1,17499,NSA
      Datafile          030618033
      Method            GEBIOTA2017
35) Sample        18    1248-CAL1D,188134:1,17498,NSA
      Datafile          030618034
      Method            GEBIOTA2017
36) RearSamp      20    1248-CAL3D,185549:1,17499,NSA
      Datafile          030618035
      Method            GEBIOTA2017
37) Sample        19    1248-CAL2D,185548:1,17498,NSA
      Datafile          030618036
      Method            GEBIOTA2017
38) RearSamp      21    1248-CAL4D,185550:1,17499,NSA
      Datafile          030618037
      Method            GEBIOTA2017
39) Sample        20    1248-CAL3D,185549:1,17498,NSA
      Datafile          030618038
      Method            GEBIOTA2017
40) RearSamp      22    1248-CAL5D,185551:1,17499,NSA
      Datafile          030618039
      Method            GEBIOTA2017
41) Sample        21    1248-CAL4D,185550:1,17498,NSA
      Datafile          030618040
      Method            GEBIOTA2017
42) RearSamp      23    HEXANE
      Datafile          030618041
      Method            GEBIOTA2017
43) Sample        22    1248-CAL5D,185551:1,17498,NSA
      Datafile          030618042
      Method            GEBIOTA2017

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Signed — 3/5/18 Date

Sequence Name: C:\msdchem\1\sequence\030618.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	RearSamp	24	1254-CAL1C,188135:1,17499,NSA		
	Datafile		030618043		
	Method			GEBIOTA2017	
45)	Sample	23	HEXANE		
	Datafile		030618044		
	Method			GEBIOTA2017	
46)	RearSamp	25	1254-CAL2C,185553:1,17499,NSA		
	Datafile		030618045		
	Method			GEBIOTA2017	
47)	Sample	24	1254-CAL1C,188135:1,17498,NSA		
	Datafile		030618046		
	Method			GEBIOTA2017	
48)	RearSamp	26	1254-CAL3C,185554:1,17499,NSA		
	Datafile		030618047		
	Method			GEBIOTA2017	
49)	Sample	25	1254-CAL2C,185553:1,17498,NSA		
	Datafile		030618048		
	Method			GEBIOTA2017	
50)	RearSamp	27	1254-CAL4C,185555:1,17499,NSA		
	Datafile		030618049		
	Method			GEBIOTA2017	
51)	Sample	26	1254-CAL3C,185554:1,17498,NSA		
	Datafile		030618050		
	Method			GEBIOTA2017	
52)	RearSamp	28	1254-CAL5C,185556:1,17499,NSA		
	Datafile		030618051		
	Method			GEBIOTA2017	
53)	Sample	27	1254-CAL4C,185555:1,17498,NSA		
	Datafile		030618052		
	Method			GEBIOTA2017	
54)	RearSamp	29	HEXANE		
	Datafile		030618053		
	Method			GEBIOTA2017	
55)	Sample	28	1254-CAL5C,185556:1,17498,NSA		
	Datafile		030618054		
	Method			GEBIOTA2017	
56)	RearSamp	30	1660-CAL1A,188136:1,17499,AR1		
	Datafile		030618055		
	Method			GEBIOTA2017	
57)	Sample	29	HEXANE		
	Datafile		030618056		
	Method			GEBIOTA2017	
58)	RearSamp	31	1660-CAL2A,185558:1,17499,AR1		
	Datafile		030618057		
	Method			GEBIOTA2017	
59)	Sample	30	1660-CAL1A,188136:1,17498,AR1		
	Datafile		030618058		
	Method			GEBIOTA2017	
60)	RearSamp	32	1660-CAL3A,185559:1,17499,AR1		
	Datafile		030618059		
	Method			GEBIOTA2017	
61)	Sample	31	1660-CAL2A,185558:1,17498,AR1		
	Datafile		030618060		
	Method			GEBIOTA2017	
62)	RearSamp	33	1660-CAL4A,185560:1,17499,AR1		
	Datafile		030618061		
	Method			GEBIOTA2017	
63)	Sample	32	1660-CAL3A,185559:1,17498,AR1		
	Datafile		030618062		
	Method			GEBIOTA2017	
64)	RearSamp	34	1660-CAL5A,185561:1,17499,AR1		
	Datafile		030618063		
	Method			GEBIOTA2017	
65)	Sample	33	1660-CAL4A,185560:1,17498,AR1		
	Datafile		030618064		
	Method			GEBIOTA2017	
66)	RearSamp	35	HEXANE		
	Datafile		030618065		

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```
      Method                GEBIOTA2017
67) Sample          34  1660-CAL5A,185561:1,17498,AR1
      Datafile            030618066
      Method              GEBIOTA2017
68) RearSamp        36  1221-ICV,188142:1,17499,AR122
      Datafile            030618067
      Method              GEBIOTA2017
69) Sample          35  HEXANE
      Datafile            030618068
      Method              GEBIOTA2017
70) RearSamp        37  1242-ICV,185562:1,17499,AR124 ok
      Datafile            030618069
      Method              GEBIOTA2017
71) Sample          36  1221-ICV,188142:1,17498,AR122 ok
      Datafile            030618070
      Method              GEBIOTA2017
72) RearSamp        38  1248-ICV,185563:1,17499,AR124 ok
      Datafile            030618071
      Method              GEBIOTA2017
73) Sample          37  1242-ICV,185562:1,17498,AR124 ok
      Datafile            030618072
      Method              GEBIOTA2017
74) RearSamp        39  1254-ICV,185564:1,17499,AR125 ok
      Datafile            030618073
      Method              GEBIOTA2017
75) Sample          38  1248-ICV,185563:1,17498,AR124 ok
      Datafile            030618074
      Method              GEBIOTA2017
76) RearSamp        40  1660-ICV,185565:1,17499,AR166 ok
      Datafile            030618075
      Method              GEBIOTA2017
77) Sample          39  1254-ICV,185564:1,17498,AR125 ok
      Datafile            030618076
      Method              GEBIOTA2017
78) RearSamp        41  1221-CRDL,188138:1,17499,RL12 ok
      Datafile            030618077
      Method              GEBIOTA2017
79) Sample          40  1660-ICV,185565:1,17498,AR166 ok
      Datafile            030618078
      Method              GEBIOTA2017
80) RearSamp        42  1242-CRDL,188132:1,17499,RL12 ok
      Datafile            030618079
      Method              GEBIOTA2017
81) Sample          41  1221-CRDL,188138:1,17498,RL12 ok
      Datafile            030618080
      Method              GEBIOTA2017
82) RearSamp        43  1248-CRDL,188134:1,17499,RL12 ok
      Datafile            030618081
      Method              GEBIOTA2017
83) Sample          42  1242-CRDL,188132:1,17498,RL12 ok
      Datafile            030618082
      Method              GEBIOTA2017
84) RearSamp        44  1254-CRDL,188135:1,17499,RL12 ok
      Datafile            030618083
      Method              GEBIOTA2017
85) Sample          43  1248-CRDL,188134:1,17498,RL12 ok
      Datafile            030618084
      Method              GEBIOTA2017
86) RearSamp        45  1660-CRDL,188136:1,17499,RL16 ok
      Datafile            030618085
      Method              GEBIOTA2017
87) Sample          44  1254-CRDL,188135:1,17498,RL12 ok
      Datafile            030618086
      Method              GEBIOTA2017
88) RearSamp        46  HEXANE
      Datafile            030618087
      Method              GEBIOTA2017
89) Sample          45  1660-CRDL,188136:1,17498,RL16 ok
      Datafile            030618088
      Method              GEBIOTA2017

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Read and Understood By

Bryan Meyer 3/7/18 Signed Date

Signed 3/7/18 Date

```
    Sequence Name: C:\msdchem\1\sequence\031418.s
          Comment:
         Operator: BLM
        Data Path: C:\MSDCHEM\1\DATA\031418\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                    Sample Name/Misc Info
 1) Sample          1  prime
     Datafile          031418001
     Method            GEBIOTA2017
 2) Sample          2  HEXANE
     Datafile          031418002
     Method            GEBIOTA2017
 3) Sample          3  HEXANE
     Datafile          031418003
     Method            GEBIOTA2017
 4) Sample          4  1242-CCV,185544:1,17498,AR124 OK
     Datafile          031418004
     Method            GEBIOTA2017
 5) Sample          5  1242-CCV,185544:1,17498,AR124 OK
     Datafile          031418005
     Method            GEBIOTA2017
 6) Sample          6  1658254,,17523,BIOTA
     Datafile          031418006
     Method            GEBIOTA2017
 7) Sample          7  1658255,,17523,BIOTA
     Datafile          031418007
     Method            GEBIOTA2017
 8) Sample          8  1658256 x3,,17523,BIOTA
     Datafile          031418008
     Method            GEBIOTA2017
 9) Sample          9  40151549002,,17523,BIOTA
     Datafile          031418009
     Method            GEBIOTA2017
10) Sample         10  40151549003,,17523,BIOTA RS
     Datafile          031418010
     Method            GEBIOTA2017
11) Sample         11  40151549004,,17523,BIOTA RS
     Datafile          031418011
     Method            GEBIOTA2017
12) Sample         12  40151549005 x5,,17523,BIOTA
     Datafile          031418012
     Method            GEBIOTA2017
13) Sample         13  40151549006 x2,,17523,BIOTA
     Datafile          031418013
     Method            GEBIOTA2017
14) Sample         14  40151549007 x3,,17523,BIOTA
     Datafile          031418014
     Method            GEBIOTA2017
15) Sample         15  40151549008 x2,,17523,BIOTA
     Datafile          031418015
     Method            GEBIOTA2017
16) Sample         16  1248-CCV,185549:1,17498,AR124 OK
     Datafile          031418016
     Method            GEBIOTA2017
17) Sample         17  1248-CCV,185549:1,17498,AR124 OK
     Datafile          031418017
     Method            GEBIOTA2017
18) Sample         18  40151549009,,17523,BIOTA
     Datafile          031418018
     Method            GEBIOTA2017
19) Sample         19  40151552010 x3,,17523,BIOTA
     Datafile          031418019

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```

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```
      Method              GEBIOTA2017
20) Sample          20  1658257 x3,,17523,BIOTA
      Datafile            031418020
      Method              GEBIOTA2017
21) Sample          21  40151601003,,17523,BIOTA
      Datafile            031418021
      Method              GEBIOTA2017
22) Sample          22  40151601004,,17523,BIOTA
      Datafile            031418022
      Method              GEBIOTA2017
23) Sample          23  40151601005,,17523,BIOTA
      Datafile            031418023
      Method              GEBIOTA2017
24) Sample          24  40151601006,,17523,BIOTA
      Datafile            031418024
      Method              GEBIOTA2017
25) Sample          25  1254-CCV,185554:1,17498,AR125 OK
      Datafile            031418025
      Method              GEBIOTA2017
26) Sample          26  1254-CCV,185554:1,17498,AR125 OK
      Datafile            031418026
      Method              GEBIOTA2017
```

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Signed 3/23/18 Date Signed 3/26/18 Date

```
    Sequence Name: C:\msdchem\1\sequence\032018.s
          Comment:
         Operator: BLM
        Data Path: C:\MSDCHEM\1\DATA\032018\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                    Sample Name/Misc Info
 1) Sample          1  prime
     Datafile          032018001
     Method            GEBIOTA2017
 2) Sample          2  HEXANE
     Datafile          032018002
     Method            GEBIOTA2017
 3) Sample          3  HEXANE
     Datafile          032018003
     Method            GEBIOTA2017
 4) Sample          4  1232-CCV,185539:1,17498,AR123 OL
     Datafile          032018004
     Method            GEBIOTA2017
 5) Sample          5  1232-CCV,185539:1,17498,AR123 OL
     Datafile          032018005
     Method            GEBIOTA2017
 6) Sample          6  40150294010 x2,,17511,BIOTA
     Datafile          032018006
     Method            GEBIOTA2017
 7) Sample          7  40151597002 x2,,17521,BIOTA
     Datafile          032018007
     Method            GEBIOTA2017
 8) Sample          8  40151608011 x2,,17521,BIOTA
     Datafile          032018008
     Method            GEBIOTA2017
 9) Sample          9  40151800010 x4,,17521,BIOTA
     Datafile          032018009
     Method            GEBIOTA2017
10) Sample         10  40151804005 x2,,17521,BIOTA
     Datafile          032018010
     Method            GEBIOTA2017
11) Sample         11  40151549003 x2,,17523,BIOTA
     Datafile          032018011
     Method            GEBIOTA2017
12) Sample         12  40151549004 x2,,17523,BIOTA
     Datafile          032018012
     Method            GEBIOTA2017
13) Sample         13  40150340003 x4,,17527,BIOTA
     Datafile          032018013
     Method            GEBIOTA2017
14) Sample         14  40150340004 x20,,17527,BIOTA
     Datafile          032018014
     Method            GEBIOTA2017
15) Sample         15  40150340013 x2,,17527,BIOTA
     Datafile          032018015
     Method            GEBIOTA2017
16) Sample         16  1242-CCV,185544:1,17498,AR124 OL
     Datafile          032018016
     Method            GEBIOTA2017
17) Sample         17  1242-CCV,185544:1,17498,AR124 OL
     Datafile          032018017
     Method            GEBIOTA2017
18) Sample         18  40150340014 x10,,17527,BIOTA
     Datafile          032018018
     Method            GEBIOTA2017
19) Sample         19  40150340015 x2,,17527,BIOTA
     Datafile          032018019

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```

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```
      Method              GEBIOTA2017
20) Sample          20  40150340020 x4,,17527,BIOTA
      Datafile            032018020
      Method              GEBIOTA2017
21) Sample          21  40151608004 x3,,17532,BIOTA
      Datafile            032018021
      Method              GEBIOTA2017
22) Sample          22  40151608007 x2,,17532,BIOTA
      Datafile            032018022
      Method              GEBIOTA2017
23) Sample          23  40151608008 x10,,17532,BIOTA
      Datafile            032018023
      Method              GEBIOTA2017
24) Sample          24  1659955,,17547,BIOTA
      Datafile            032018024
      Method              GEBIOTA2017
25) Sample          25  1659956,,17547,BIOTA
      Datafile            032018025
      Method              GEBIOTA2017
26) Sample          26  1659957,,17547,BIOTA
      Datafile            032018026
      Method              GEBIOTA2017
27) Sample          27  40151614007,,17547;BIOTA
      Datafile            032018027
      Method              GEBIOTA2017
28) Sample          28  1248-CCV,185549:1,17498,AR124 OK
      Datafile            032018028
      Method              GEBIOTA2017
29) Sample          29  1248-CCV,185549:1,17498,AR124 OK
      Datafile            032018029
      Method              GEBIOTA2017
30) Sample          30  40151614008,,17547,BIOTA
      Datafile            032018030
      Method              GEBIOTA2017
31) Sample          31  40151705001,,17547,BIOTA
      Datafile            032018031
      Method              GEBIOTA2017
32) Sample          32  40151705002,,17547,BIOTA
      Datafile            032018032
      Method              GEBIOTA2017
33) Sample          33  40151705003,,17547,BIOTA
      Datafile            032018033
      Method              GEBIOTA2017
34) Sample          34  40151705004,,17547,BIOTA
      Datafile            032018034
      Method              GEBIOTA2017
35) Sample          35  40151705005,,17547,BIOTA
      Datafile            032018035
      Method              GEBIOTA2017
36) Sample          36  40151705006,,17547,BIOTA
      Datafile            032018036
      Method              GEBIOTA2017
37) Sample          37  40151705007,,17547,BIOTA
      Datafile            032018037
      Method              GEBIOTA2017
38) Sample          38  40151705008,,17547,BIOTA
      Datafile            032018038
      Method              GEBIOTA2017
39) Sample          39  40151705009,,17547,BIOTA
      Datafile            032018039
      Method              GEBIOTA2017
40) Sample          40  1254-CCV,185554:1,17498,AR125 OK
      Datafile            032018040
      Method              GEBIOTA2017
41) Sample          41  1254-CCV,185554:1,17498,AR125 OK
      Datafile            032018041
      Method              GEBIOTA2017
42) Sample          42  40151705010,,17547,BIOTA
      Datafile            032018042
      Method              GEBIOTA2017
43) Sample          43  40151705011,,17547,BIOTA
      Datafile            032018043

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```

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Read and Understood By

Signed 3/26/18 Date

Signed 3/26/18 Date

Sequence Name: C:\msdchem\1\sequence\032018.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	44	40151705012,,17547,BIOTA		
	Datafile		032018044		
	Method			GEBIOTA2017	
45)	Sample	45	40151705013,,17547,BIOTA		
	Datafile		032018045		
	Method			GEBIOTA2017	
46)	Sample	46	40151705014,,17547,BIOTA		
	Datafile		032018046		
	Method			GEBIOTA2017	
47)	Sample	47	40151705015,,17547,BIOTA		
	Datafile		032018047		
	Method			GEBIOTA2017	
48)	Sample	48	40151705016,,17547,BIOTA		
	Datafile		032018048		
	Method			GEBIOTA2017	
49)	Sample	49	40151705017,,17547,BIOTA		
	Datafile		032018049		
	Method			GEBIOTA2017	
50)	Sample	50	1659958,,17547,BIOTA		
	Datafile		032018050		
	Method			GEBIOTA2017	
51)	Sample	51	40151705018,,17547,BIOTA		
	Datafile		032018051		
	Method			GEBIOTA2017	
52)	Sample	52	1660-CCV,185559:1,17498,AR166		OK
	Datafile		032018052		
	Method			GEBIOTA2017	
53)	Sample	53	1660-CCV,185559:1,17498,AR166		OK
	Datafile		032018053		
	Method			GEBIOTA2017	

GCSV Batch #17547 HBN: 2837446 Screened on 40GCSI 03/20/18.

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Read and Understood By

Signed 3/26/18 Date Signed 3/26/18 Date

```
    Sequence Name: C:\msdchem\1\sequence\032718.s
          Comment:
         Operator: BLM
        Data Path: C:\MSDCHEM\1\DATA\032718\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                    Sample Name/Misc Info
 1) Sample          1  prime
     Datafile          032718001
     Method            GEBIOTA2017
 2) Sample          2  HEXANE
     Datafile          032718002
     Method            GEBIOTA2017
 3) Sample          3  HEXANE
     Datafile          032718003
     Method            GEBIOTA2017
 4) Sample          4  1221-CCV,185538:1,17498,AR122 OK
     Datafile          032718004
     Method            GEBIOTA2017
 5) Sample          5  1221-CCV,185538:1,17498,AR122 OK
     Datafile          032718005
     Method            GEBIOTA2017
 6) Sample          6  40151549007 x4,,17523,BIOTA
     Datafile          032718006
     Method            GEBIOTA2017
 7) Sample          7  1662165 x2,,17567,BIOTA
     Datafile          032718007
     Method            GEBIOTA2017
 8) Sample          8  40151800001 x2,,17567,BIOTA
     Datafile          032718008
     Method            GEBIOTA2017
 9) Sample          9  40151800003 x3,,17567,BIOTA
     Datafile          032718009
     Method            GEBIOTA2017
10) Sample         10  1662965,,17575,BIOTA
     Datafile          032718010
     Method            GEBIOTA2017
11) Sample         11  ~~1662965~~,,17575,BIOTA 16629606
     Datafile          032718011
     Method            GEBIOTA2017
12) Sample         12  1662968 x2,,17575,BIOTA RS x30
     Datafile          032718012
     Method            GEBIOTA2017
13) Sample         13  40151613012,,17575,BIOTA
     Datafile          032718013
     Method            GEBIOTA2017
14) Sample         14  1662967,,17575,BIOTA
     Datafile          032718014
     Method            GEBIOTA2017
15) Sample         15  40151613013,,17575,BIOTA
     Datafile          032718015
     Method            GEBIOTA2017
16) Sample         16  1232-CCV,185539:1,17498,AR123 OK
     Datafile          032718016
     Method            GEBIOTA2017
17) Sample         17  1232-CCV,185539:1,17498,AR123 OK
     Datafile          032718017
     Method            GEBIOTA2017
18) Sample         18  40151614006 x3,,17575,BIOTA
     Datafile          032718018
     Method            GEBIOTA2017
19) Sample         19  40151614009 x2,,17575,BIOTA
     Datafile          032718019

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```

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Read and Understood By

Signed 4/3/18 Date

Signed 4-3-18 Date

```
      Method          GEBIOTA2017
20) Sample      20  40151614010,,17575,BIOTA RS x2
     Datafile       032718020
     Method         GEBIOTA2017
21) Sample      21  40151616002 x10,,17575,BIOTA
     Datafile       032718021
     Method         GEBIOTA2017
22) Sample      22  40151616003 x3,,17575,BIOTA
     Datafile       032718022
     Method         GEBIOTA2017
23) Sample      23  40151616004 x5,,17575,BIOTA
     Datafile       032718023
     Method         GEBIOTA2017
24) Sample      24  40151616005,,17575,BIOTA
     Datafile       032718024
     Method         GEBIOTA2017
25) Sample      25  40151616006 x10,,17575,BIOTA
     Datafile       032718025
     Method         GEBIOTA2017
26) Sample      26  40151616007 x5,,17575,BIOTA RS x15
     Datafile       032718026
     Method         GEBIOTA2017
27) Sample      27  40151616008 x2,,17575,BIOTA
     Datafile       032718027
     Method         GEBIOTA2017
28) Sample      28  1242-CCV,185544:1,17498,AR124 ok
     Datafile       032718028
     Method         GEBIOTA2017
29) Sample      29  1242-CCV,185544:1,17498,AR124 ok
     Datafile       032718029
     Method         GEBIOTA2017
30) Sample      30  40151616009 x5,,17575,BIOTA RS x100
     Datafile       032718030
     Method         GEBIOTA2017
31) Sample      31  40151616010 x2,,17575,BIOTA RS x30
     Datafile       032718031
     Method         GEBIOTA2017
32) Sample      32  1662969 x2,,17575,BIOTA RS x30
     Datafile       032718032
     Method         GEBIOTA2017
33) Sample      33  40151802006,,17575,BIOTA
     Datafile       032718033
     Method         GEBIOTA2017
34) Sample      34  40151805002,,17575,BIOTA
     Datafile       032718034
     Method         GEBIOTA2017
35) Sample      35  1248-CCV,185549:1,17498,AR124 ok
     Datafile       032718035
     Method         GEBIOTA2017
36) Sample      36  1248-CCV,185549:1,17498,AR124 ok
     Datafile       032718036
     Method         GEBIOTA2017
```

Screener Ran: 40GCSI 03/27/18

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Read and Understood By

Signed 4/3/18 Date

Signed 4-3-18 Date

```
   Sequence Name: C:\msdchem\1\sequence\033018.s
         Comment:
        Operator: BLM
       Data Path: C:\MSDCHEM\1\DATA\033018\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

    Method Sections To Run       Sequence Barcode Options
    (X) Full Method              (X) On Mismatch, Inject Anyway
    ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject
                                 ( ) Barcode Disabled
   ---------------------------------------------------------------------
   Line                    Sample Name/Misc Info
 1) Sample          1  prime
     Datafile          033018001
     Method            GEBIOTA2017
 2) Sample          2  HEXANE
     Datafile          033018002
     Method            GEBIOTA2017
 3) Sample          3  HEXANE
     Datafile          033018003
     Method            GEBIOTA2017
 4) Sample          4  1232-CCV,185539:1,17498,AR123 ok
     Datafile          033018004
     Method            GEBIOTA2017
 5) Sample          5  1232-CCV,185539:1,17498,AR123 ok
     Datafile          033018005
     Method            GEBIOTA2017
 6) Sample          6  1662968 x40,,17575,BIOTA
     Datafile          033018006
     Method            GEBIOTA2017
 7) Sample          7  40151616010 x40,,17575,BIOTA
     Datafile          033018007
     Method            GEBIOTA2017
 8) Sample          8  40157828010 x10,,17584,BIOTA
     Datafile          033018008
     Method            GEBIOTA2017
 9) Sample          9  40157828019 x3,,17584,BIOTA
     Datafile          033018009
     Method            GEBIOTA2017
10) Sample         10  1664793,,17591,BIOTA
     Datafile          033018010
     Method            GEBIOTA2017
11) Sample         11  1664794,,17591,BIOTA
     Datafile          033018011
     Method            GEBIOTA2017
12) Sample         12  1664795,,17591,BIOTA
     Datafile          033018012
     Method            GEBIOTA2017
13) Sample         13  40151549001 x3,,17591,BIOTA
     Datafile          033018013
     Method            GEBIOTA2017
14) Sample         14  40151601001,,17591,BIOTA
     Datafile          033018014
     Method            GEBIOTA2017
15) Sample         15  40151613001,,17591,BIOTA
     Datafile          033018015
     Method            GEBIOTA2017
16) Sample         16  1242-CCV,185544:1,17498,AR124 ok
     Datafile          033018016
     Method            GEBIOTA2017
17) Sample         17  1242-CCV,185544:1,17498,AR124 ok
     Datafile          033018017
     Method            GEBIOTA2017
18) Sample         18  1664796,,17591,BIOTA
     Datafile          033018018
     Method            GEBIOTA2017
19) Sample         19  40151613002,,17591,BIOTA
     Datafile          033018019

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```

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Read and Understood By

Signed: Bryan Mayl — Date: 4/3/18

Signed: Dawn Haag — Date: 4-3-18

```
      Method              GEBIOTA2017
20) Sample          20  40151614002 x2,,17591,BIOTA
      Datafile            033018020
      Method              GEBIOTA2017
21) Sample          21  40151614003 x3,,17591,BIOTA
      Datafile            033018021
      Method              GEBIOTA2017
22) Sample          22  40151614004,,17591,BIOTA
      Datafile            033018022
      Method              GEBIOTA2017
23) Sample          23  40151613014,,17591,BIOTA
      Datafile            033018023
      Method              GEBIOTA2017
24) Sample          24  40151800005,,17591,BIOTA
      Datafile            033018024
      Method              GEBIOTA2017
25) Sample          25  40151802001,,17591,BIOTA
      Datafile            033018025
      Method              GEBIOTA2017
26) Sample          26  40151802002,,17591,BIOTA
      Datafile            033018026
      Method              GEBIOTA2017
27) Sample          27  40151802003,,17591,BIOTA
      Datafile            033018027
      Method              GEBIOTA2017
28) Sample          28  1248-CCV,185549:1,17498,AR124 ok
      Datafile            033018028
      Method              GEBIOTA2017
29) Sample          29  1248-CCV,185549:1,17498,AR124 ok
      Datafile            033018029
      Method              GEBIOTA2017
30) Sample          30  40151802004,,17591,BIOTA
      Datafile            033018030
      Method              GEBIOTA2017
31) Sample          31  40151802005,,17591,BIOTA
      Datafile            033018031
      Method              GEBIOTA2017
32) Sample          32  40151805001,,17591,BIOTA
      Datafile            033018032
      Method              GEBIOTA2017
33) Sample          33  40157825001,,17591,BIOTA
      Datafile            033018033
      Method              GEBIOTA2017
34) Sample          34  1664809,,17591,BIOTA
      Datafile            033018034
      Method              GEBIOTA2017
35) Sample          35  1665641,,17602,BIOTA
      Datafile            033018035
      Method              GEBIOTA2017
36) Sample          36  1665642,,17602,BIOTA
      Datafile            033018036
      Method              GEBIOTA2017
37) Sample          37  1665643 x2,,17602,BIOTA
      Datafile            033018037
      Method              GEBIOTA2017
38) Sample          38  40157488001,,17602,BIOTA
      Datafile            033018038
      Method              GEBIOTA2017
39) Sample          39  40157488002 x2,,17602,BIOTA
      Datafile            033018039
      Method              GEBIOTA2017
40) Sample          40  1254-CCV,185554:1,17498,AR125 ok
      Datafile            033018040
      Method              GEBIOTA2017
41) Sample          41  1254-CCV,185554:1,17498,AR125 ok
      Datafile            033018041
      Method              GEBIOTA2017
42) Sample          42  40157488003,,17602,BIOTA
      Datafile            033018042
      Method              GEBIOTA2017
43) Sample          43  40157488004 x3,,17602,BIOTA
      Datafile            033018043

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```

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Read and Understood By

Signed: [signature] Date: 4/3/18

Signed: [signature] Date: 4-3-18

Sequence Name: C:\msdchem\1\sequence\033018.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	44	40157488005,,17602,BIOTA		
	Datafile		033018044		
	Method			GEBIOTA2017	
45)	Sample	45	1665644,,17602,BIOTA		
	Datafile		033018045		
	Method			GEBIOTA2017	
46)	Sample	46	40157489001,,17602,BIOTA		
	Datafile		033018046		
	Method			GEBIOTA2017	
47)	Sample	47	40157489002,,17602,BIOTA		
	Datafile		033018047		
	Method			GEBIOTA2017	
48)	Sample	48	40157489003,,17602,BIOTA		
	Datafile		033018048		
	Method			GEBIOTA2017	
49)	Sample	49	40157489004,,17602,BIOTA		
	Datafile		033018049		
	Method			GEBIOTA2017	
50)	Sample	50	40157489005 x2,,17602,BIOTA		
	Datafile		033018050		
	Method			GEBIOTA2017	
51)	Sample	51	40157825002,,17602,BIOTA		
	Datafile		033018051		
	Method			GEBIOTA2017	
52)	Sample	52	1660-CCV,185559:1,17498,AR166 OK		
	Datafile		033018052		
	Method			GEBIOTA2017	
53)	Sample	53	1660-CCV,185559:1,17498,AR166 OK		
	Datafile		033018053		
	Method			GEBIOTA2017	
54)	Sample	54	40157825003,,17602,BIOTA		
	Datafile		033018054		
	Method			GEBIOTA2017	
55)	Sample	55	40157825004,,17602,BIOTA		
	Datafile		033018055		
	Method			GEBIOTA2017	
56)	Sample	56	40157825005,,17602,BIOTA RS x2		
	Datafile		033018056		
	Method			GEBIOTA2017	
57)	Sample	57	40157825006,,17602,BIOTA		
	Datafile		033018057		
	Method			GEBIOTA2017	
58)	Sample	58	1665645,,17602,BIOTA		
	Datafile		033018058		
	Method			GEBIOTA2017	
59)	Sample	59	40157825007 x2,,17602,BIOTA		
	Datafile		033018059		
	Method			GEBIOTA2017	
60)	Sample	60	40157825008 x3,,17602,BIOTA		
	Datafile		033018060		
	Method			GEBIOTA2017	
61)	Sample	61	40157825009 x5,,17602,BIOTA		
	Datafile		033018061		
	Method			GEBIOTA2017	
62)	Sample	62	40157825010,,17602,BIOTA RS x2		
	Datafile		033018062		
	Method			GEBIOTA2017	
63)	Sample	63	1221-CCV,185538:1,17498,AR122 OK		
	Datafile		033018063		
	Method			GEBIOTA2017	
64)	Sample	64	1221-CCV,185538:1,17498,AR122 OK		
	Datafile		033018064		
	Method			GEBIOTA2017	

GCSV Batch 17591 HBN: 284630 AND 17602 HBN: 284746
Screened: 03/30/18 40GCSJ

Last Modified: Fri Mar 30 14:55:13 2018

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Read and Understood By

Bryan Meyl — Signed — 4/3/18 — Date

Dawn Haag — Signed — 4-3-18 — Date

Standard Log Report

Standards Log Information for Standard #192488

WORKING STANDARD

Created By:	AMC	**Volume of Standard:**	4 L	**Lot ID:**	NA
Create Date:	03/28/2018	**Manufacturer:**	N/A	**Part ID:**	N/A
Expire Date:	09/28/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	RGNT498

Notes:

Hexane/Acetone 1:1 By AMC

Compound Name and Concentration for Standard #192488

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	Hexanes	ug/mL

Composed of Information for Standard #192488

Composed of Standard Seq	Volume	Units
189481	2000	mL
188917	2000	mL

Standard Log Report

Standards Log Information for Standard #191186

WORKING STANDARD

Created By:	AMC	**Volume of Standard:**	4 L	**Lot ID:**	NA
Create Date:	03/12/2018	**Manufacturer:**	N/A	**Part ID:**	N/A
Expire Date:	09/12/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	RGNT498

Notes:

Hexane/Acetone 1:1 By AMC

Compound Name and Concentration for Standard #191186

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	Hexanes	ug/mL

Composed of Information for Standard #191186

Composed of Standard Seq	Volume	Units
190951	2000	mL
188917	2000	mL

Standard Log Report

Standards Log Information for Standard #190953

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	45.5 kg	**Lot ID:**	405550
Create Date:	03/08/2018	**Manufacturer:**	JT Baker	**Part ID:**	3375-09
Expire Date:	05/22/2022	**Manufacturer Lot ID:**	0000177456	**Standard ID:**	RGNT301

Notes:

Sodium Sulfate SVOA

Compound Name and Concentration for Standard #190953

Compound Name	Concentration	Compound Name	Concentration
Sodium Sulfate			

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #190951

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	4 L	**Lot ID:**	405758
Create Date:	03/08/2018	**Manufacturer:**	Burdick & Jackson	**Part ID:**	010-4
Expire Date:	03/21/2019	**Manufacturer Lot ID:**	DS923	**Standard ID:**	RGNT036

Notes:

Acetone - 4L container

Compound Name and Concentration for Standard #190951

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #189973

WORKING STANDARD

Created By:	ASD	**Volume of Standard:**	1000 mL	**Lot ID:**	GCSV
Create Date:	02/26/2018	**Manufacturer:**	N/A	**Part ID:**	N/A
Expire Date:	08/26/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	8081-SS

Notes:

Pest/PCB Surrogate Spike 40GCSC.i\022618SurrVal.b\A226037 TCMX-116.01% DCB-98.69%

Compound Name and Concentration for Standard #189973

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 #189973

Composed of Standard Seq	Volume	Units
179366	999	mL
172034	1	mL

Standard Log Report

Standards Log Information for Standard #189481

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	4 L	**Lot ID:**	405758
Create Date:	02/19/2018	**Manufacturer:**	Burdick & Jackson	**Part ID:**	010-4
Expire Date:	03/21/2019	**Manufacturer Lot ID:**	DS923	**Standard ID:**	RGNT036

Notes:

Acetone - 4L container

Compound Name and Concentration for Standard #189481

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		

Standard Log Report

Standards Log Information for Standard #188917

STOCK STANDARD

Created By:	ETB	**Volume of Standard:**	215 L	**Lot ID:**	405750
Create Date:	02/12/2018	**Manufacturer:**	J.T. Baker	**Part ID:**	9262-8P
Expire Date:	01/15/2019	**Manufacturer Lot ID:**	0000183983	**Standard ID:**	RGNT150

Notes:

Hexane SVOA TANK Changed ETB 02/12/18

Compound Name and Concentration for Standard #188917

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL		

Standard Log Report

Standards Log Information for Standard #188340

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	45.5 kg	**Lot ID:**	405550
Create Date:	02/01/2018	**Manufacturer:**	JT Baker	**Part ID:**	3375-09
Expire Date:	05/22/2022	**Manufacturer Lot ID:**	0000177456	**Standard ID:**	RGNT301

Notes:

Sodium Sulfate SVOA

Compound Name and Concentration for Standard #188340

Compound Name	Concentration	Compound Name	Concentration
Sodium Sulfate			

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #188142

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	07/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1221-ICV

Notes:

1221 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #188142

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.05 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	.5 ug/mL	Tetrachloro-m-xylene (S)	.05 ug/mL

Composed of Information for Standard #188142

Composed of Standard Seq	Volume	Units
188137	500	uL
188129	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #188137

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1221-STK

Notes:

1221 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #188137

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1221 (Aroclor 1221)	100 ug/mL

Composed of Information for Standard #188137

Composed of Standard Seq	Volume	Units
184640	9	mL
179816	1000	uL

Standard Log Report

Standards Log Information for Standard #188136

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	07/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-CAL1

Notes:

NY 1660 Cal 1 Std @ 0.1 ug/mL

Compound Name and Concentration for Standard #188136

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1016 (Aroclor 1016)	.1 ug/mL	PCB-1260 (Aroclor 1260)	.1 ug/mL
Tetrachloro-m-xylene (S)	.01 ug/mL		

Composed of Information for Standard #188136

Composed of Standard Seq	Volume	Units
188129	100	uL
185533	100	uL
184640	99.8	mL

Standard Log Report

Standards Log Information for Standard #188135

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	07/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-CAL1

Notes:

NY 1254 Cal 1 Std @ 0.1 ug/mL

Compound Name and Concentration for Standard #188135

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1254 (Aroclor 1254)	.1 ug/mL	Tetrachloro-m-xylene (S)	.01 ug/mL

Composed of Information for Standard #188135

Composed of Standard Seq	Volume	Units
188129	100	uL
185530	100	uL
184640	99.8	mL

Standard Log Report

Standards Log Information for Standard #188134

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	07/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-CAL1

Notes:

NY 1248 Cal 1 Std @ 0.1 ug/mL

Compound Name and Concentration for Standard #188134

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1248 (Aroclor 1248)	.1 ug/mL	Tetrachloro-m-xylene (S)	.01 ug/mL

Composed of Information for Standard #188134

Composed of Standard Seq	Volume	Units
188129	100	uL
185529	100	uL
184640	99.8	mL

Standard Log Report

Standards Log Information for Standard #188132

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	07/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-CAL1

Notes:

NY 1242 Cal 1 Std @ 0.1 ug/mL

Compound Name and Concentration for Standard #188132

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 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)	.01 ug/mL		

Composed of Information for Standard #188132

Composed of Standard Seq	Volume	Units
188129	100	uL
185528	100	uL
184640	99.8	mL

Standard Log Report

Standards Log Information for Standard #188129

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	20 mL	**Lot ID:**	GCSV
Create Date:	01/30/2018	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	PEST-SUR

Notes:

Pest/PCB Surr Std @ 10 ug/mL

Compound Name and Concentration for Standard #188129

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 #188129

Composed of Standard Seq	Volume	Units
185958	1	mL
184640	19	mL

Standard Log Report

Standards Log Information for Standard #186910

STOCK STANDARD

Created By:	AMC	**Volume of Standard:**	3 kg	**Lot ID:**	405706
Create Date:	01/12/2018	**Manufacturer:**	Fisher Scientific	**Part ID:**	F100-3
Expire Date:	01/11/2020	**Manufacturer Lot ID:**	174228	**Standard ID:**	RGNT142

Notes:

Florisil, 60-100 Mesh by AMC

Compound Name and Concentration for Standard #186910

Compound Name	Concentration	Compound Name	Concentration
Florisil			

Standard Log Report

Standards Log Information for Standard #185958

INDIVIDUAL STANDARD

Created By:	BLM	**Volume of Standard:**	1 mL	**Lot ID:**	405693
Create Date:	01/02/2018	**Manufacturer:**	Restek	**Part ID:**	32000
Expire Date:	11/30/2023	**Manufacturer Lot ID:**	A0130424	**Standard ID:**	PEST-SUR

Notes:

Pest/PCB Surr @ 200 ug/mL

Compound Name and Concentration for Standard #185958

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 #185565

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-ICV

Notes:

1660 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185565

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 #185565

Composed of Standard Seq	Volume	Units
185537	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185564

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-ICV

Notes:

1254 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185564

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 #185564

Composed of Standard Seq	Volume	Units
185536	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185563

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-ICV

Notes:

1248 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185563

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 #185563

Composed of Standard Seq	Volume	Units
185535	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185562

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-ICV

Notes:

1242 ICV Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185562

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 #185562

Composed of Standard Seq	Volume	Units
185534	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185561

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-CAL5

Notes:

1660 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #185561

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 #185561

Composed of Standard Seq	Volume	Units
185533	1	mL
185524	1500	uL
184640	97.5	mL

Standard Log Report

Standards Log Information for Standard #185560

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-CAL4

Notes:

1660 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #185560

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 #185560

Composed of Standard Seq	Volume	Units
185533	800	uL
185524	1	mL
184640	98.2	mL

Standard Log Report

Standards Log Information for Standard #185559

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	200 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-CAL3

Notes:

1660 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185559

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 #185559

Composed of Standard Seq	Volume	Units
185533	1	mL
185524	1	mL
184640	198	mL

Standard Log Report

Standards Log Information for Standard #185558

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-CAL2

Notes:

1660 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #185558

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 #185558

Composed of Standard Seq	Volume	Units
185533	200	uL
185524	200	uL
184640	99.6	mL

Standard Log Report

Standards Log Information for Standard #185556

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-CAL5

Notes:

1254 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #185556

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 #185556

Composed of Standard Seq	Volume	Units
185530	1000	uL
185524	1500	uL
184640	97.5	mL

Standard Log Report

Standards Log Information for Standard #185555

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-CAL4

Notes:

1254 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #185555

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 #185555

Composed of Standard Seq	Volume	Units
185530	800	uL
185524	1000	uL
184640	98.2	mL

Standard Log Report

Standards Log Information for Standard #185554

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	200 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-CAL3

Notes:

1254 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185554

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 #185554

Composed of Standard Seq	Volume	Units
185530	1000	uL
185524	1000	uL
184640	198	mL

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #185553

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-CAL2

Notes:

1254 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #185553

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 #185553

Composed of Standard Seq	Volume	Units
185530	200	uL
185524	200	uL
184640	99.6	mL

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #185551

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-CAL5

Notes:

1248 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #185551

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 #185551

Composed of Standard Seq	Volume	Units
185529	1	mL
185524	1500	uL
184640	97.5	mL

Standard Log Report

Standards Log Information for Standard #185550

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-CAL4

Notes:

1248 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #185550

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 #185550

Composed of Standard Seq	Volume	Units
185529	800	uL
185524	1	mL
184640	98.2	mL

Standard Log Report

Standards Log Information for Standard #185549

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-CAL3

Notes:

1248 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185549

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 #185549

Composed of Standard Seq	Volume	Units
185529	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185548

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-CAL2

Notes:

1248 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #185548

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 #185548

Composed of Standard Seq	Volume	Units
185529	200	uL
185524	200	uL
184640	99.6	mL

Standard Log Report

Standards Log Information for Standard #185546

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-CAL5

Notes:

1242 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #185546

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 #185546

Composed of Standard Seq	Volume	Units
185528	1000	uL
185524	1500	uL
184640	97.5	mL

Standard Log Report

Standards Log Information for Standard #185545

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-CAL4

Notes:

1242 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #185545

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 #185545

Composed of Standard Seq	Volume	Units
185528	800	uL
185524	1000	uL
184640	98.2	mL

Standard Log Report

Standards Log Information for Standard #185544

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	200 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-CAL3

Notes:

1242 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185544

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 #185544

Composed of Standard Seq	Volume	Units
185528	1000	uL
185524	1000	uL
184640	198	mL

Standard Log Report

Standards Log Information for Standard #185543

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-CAL2

Notes:

1242 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #185543

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 #185543

Composed of Standard Seq	Volume	Units
185528	200	uL
185524	200	uL
184640	99.6	mL

Standard Log Report

Standards Log Information for Standard #185539

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1232-CAL3

Notes:

1232 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185539

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 #185539

Composed of Standard Seq	Volume	Units
185527	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185538

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	100 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	06/27/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1221-CAL3

Notes:

1221 Cal 3 Std @ 0.5 ug/mL

Compound Name and Concentration for Standard #185538

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-1232 (Aroclor 1232)-5	.5 ug/mL
Tetrachloro-m-xylene (S)	.05 ug/mL		

Composed of Information for Standard #185538

Composed of Standard Seq	Volume	Units
185526	500	uL
185524	500	uL
184640	99	mL

Standard Log Report

Standards Log Information for Standard #185537

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	08/09/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-STK

Notes:

1660 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185537

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 #185537

Composed of Standard Seq	Volume	Units
184640	9	mL
175600	1	mL

Standard Log Report

Standards Log Information for Standard #185536

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-STK

Notes:

1254 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185536

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1254 (Aroclor 1254)	100 ug/mL

Composed of Information for Standard #185536

Composed of Standard Seq	Volume	Units
184640	9	mL
173678	1000	uL

Standard Log Report

Standards Log Information for Standard #185535

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-STK

Notes:

1248 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185535

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1248 (Aroclor 1248)	100 ug/mL

Composed of Information for Standard #185535

Composed of Standard Seq	Volume	Units
184640	9	mL
173676	1000	uL

Standard Log Report

Standards Log Information for Standard #185534

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	O2Si	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-STK

Notes:

1242 ICV STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185534

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1242 (Aroclor 1242)	100 ug/mL

Composed of Information for Standard #185534

Composed of Standard Seq	Volume	Units
184640	9	mL
173674	1000	uL

Standard Log Report

Standards Log Information for Standard #185533

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1660-STK

Notes:

1660 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185533

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 #185533

Composed of Standard Seq	Volume	Units
184640	9	mL
173188	1	mL

Standard Log Report

Standards Log Information for Standard #185530

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1254-STK

Notes:

1254 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185530

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1254 (Aroclor 1254)	100 ug/mL

Composed of Information for Standard #185530

Composed of Standard Seq	Volume	Units
184640	9	mL
173182	1000	uL

Standard Log Report

Standards Log Information for Standard #185529

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1248-STK

Notes:

1248 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185529

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1248 (Aroclor 1248)	100 ug/mL

Composed of Information for Standard #185529

Composed of Standard Seq	Volume	Units
184640	9	mL
173180	1000	uL

Standard Log Report

Standards Log Information for Standard #185528

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1242-STK

Notes:

1242 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185528

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 #185528

Composed of Standard Seq	Volume	Units
184640	9	mL
173178	1000	uL

Standard Log Report

Standards Log Information for Standard #185527

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1232-STK

Notes:

1232 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185527

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL	PCB-1232 (Aroclor 1232)	100 ug/mL

Composed of Information for Standard #185527

Composed of Standard Seq	Volume	Units
184640	9	mL
173176	1000	uL

Standard Log Report

Standards Log Information for Standard #185526

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	10 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	1221-STK

Notes:

1221 STK Std @ 100 ug/mL

Compound Name and Concentration for Standard #185526

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-1232 (Aroclor 1232)-5	100 ug/mL		

Composed of Information for Standard #185526

Composed of Standard Seq	Volume	Units
184640	9	mL
173174	1000	uL

Standard Log Report

Standards Log Information for Standard #185524

WORKING STANDARD

Created By:	BDS	**Volume of Standard:**	20 mL	**Lot ID:**	GCSV
Create Date:	12/27/2017	**Manufacturer:**	Restek	**Part ID:**	N/A
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	PEST-SUR

Notes:

Pest/PCB Surr Std @ 10 ug/mL

Compound Name and Concentration for Standard #185524

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 #185524

Composed of Standard Seq	Volume	Units
184640	19	mL
178398	1	mL

Standard Log Report

Standards Log Information for Standard #184640

STOCK STANDARD

Created By:	AMC	**Volume of Standard:**	215 L	**Lot ID:**	405661
Create Date:	12/12/2017	**Manufacturer:**	J.T. Baker	**Part ID:**	9262-8P
Expire Date:	12/15/2018	**Manufacturer Lot ID:**	0000183983	**Standard ID:**	RGNT150

Notes:

Hexane SVOA TANK Changed AMC 12/12/17

Compound Name and Concentration for Standard #184640

Compound Name	Concentration	Compound Name	Concentration
Hexanes	ug/mL		

Standard Log Report

Standards Log Information for Standard #182336

WORKING STANDARD

Created By:	ASD	**Volume of Standard:**	200 mL	**Lot ID:**	GCSV
Create Date:	11/09/2017	**Manufacturer:**	N/A	**Part ID:**	N/A
Expire Date:	03/30/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	AR1242-SPK

Notes:

Ar1242 Spike @20ug/mL 40GCS9.i\111017spk.b\A110047 96% Recovery

Compound Name and Concentration for Standard #182336

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	PCB-1242 (Aroclor 1242)	20 ug/mL

Composed of Information for Standard #182336

Composed of Standard Seq	Volume	Units
175728	196	mL
164832	4000	uL

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #179816

INDIVIDUAL STANDARD

Created By:	MRN	**Volume of Standard:**	1 mL	**Lot ID:**	405540
Create Date:	10/09/2017	**Manufacturer:**	o2si	**Part ID:**	030273-11
Expire Date:	09/01/2021	**Manufacturer Lot ID:**	316120	**Standard ID:**	1221-STK

Notes:

1221 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #179816

Compound Name	Concentration	Compound Name	Concentration
PCB-1221 (Aroclor 1221)	1000 ug/mL		

Standard Log Report

Standards Log Information for Standard #179366

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	4 L	**Lot ID:**	405532
Create Date:	10/02/2017	**Manufacturer:**	Burdick & Jackson	**Part ID:**	010-4
Expire Date:	01/08/2019	**Manufacturer Lot ID:**	DS490	**Standard ID:**	RGNT036

Notes:

Acetone - 4L container

Compound Name and Concentration for Standard #179366

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #178398

INDIVIDUAL STANDARD

Created By:	DMH	**Volume of Standard:**	1 mL	**Lot ID:**	405520
Create Date:	09/18/2017	**Manufacturer:**	Restek	**Part ID:**	32000
Expire Date:	06/30/2023	**Manufacturer Lot ID:**	A0125833	**Standard ID:**	PEST-SUR

Notes:

Pest/PCB Surr @ 200 ug/mL

Compound Name and Concentration for Standard #178398

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 #175728

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	4 L	**Lot ID:**	405434
Create Date:	08/10/2017	**Manufacturer:**	Burdick & Jackson	**Part ID:**	010-4
Expire Date:	11/10/2018	**Manufacturer Lot ID:**	DS178	**Standard ID:**	RGNT036

Notes:

Acetone - 4L container -

Compound Name and Concentration for Standard #175728

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #175600

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405431
Create Date:	08/09/2017	**Manufacturer:**	O2SI	**Part ID:**	130011-03
Expire Date:	08/09/2018	**Manufacturer Lot ID:**	311587	**Standard ID:**	1660-STK

Notes:

1016/1260 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #175600

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 #173678

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405386
Create Date:	07/17/2017	**Manufacturer:**	O2Si	**Part ID:**	030277-06
Expire Date:	03/21/2020	**Manufacturer Lot ID:**	302980	**Standard ID:**	1254-STK

Notes:

1254 ICV STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173678

Compound Name	Concentration	Compound Name	Concentration
PCB-1254 (Aroclor 1254)	1000 ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #173676

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405385
Create Date:	07/17/2017	**Manufacturer:**	O2Si	**Part ID:**	030276-15
Expire Date:	01/14/2020	**Manufacturer Lot ID:**	296389	**Standard ID:**	1248-STK

Notes:

1248 ICV STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173676

Compound Name	Concentration	Compound Name	Concentration
PCB-1248 (Aroclor 1248)	1000 ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #173674

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405384
Create Date:	07/17/2017	**Manufacturer:**	O2Si	**Part ID:**	030275-03
Expire Date:	03/20/2027	**Manufacturer Lot ID:**	302979	**Standard ID:**	1242-STK

Notes:

1242 ICV STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173674

Compound Name	Concentration	Compound Name	Concentration
PCB-1242 (Aroclor 1242)	1000 ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

Standard Log Report

Standards Log Information for Standard #173188

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405375
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32039
Expire Date:	04/30/2023	**Manufacturer Lot ID:**	A0124547	**Standard ID:**	1660-STK

Notes:

Ar1660 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173188

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 #173182

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405372
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32011
Expire Date:	05/31/2023	**Manufacturer Lot ID:**	A0125350	**Standard ID:**	1254-STK

Notes:

1254 STK Std @ 1000 ug/mL L

Compound Name and Concentration for Standard #173182

Compound Name	Concentration	Compound Name	Concentration
PCB-1254 (Aroclor 1254)	1000 ug/mL		

Standard Log Report

Standards Log Information for Standard #173180

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405371
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32010
Expire Date:	12/31/2022	**Manufacturer Lot ID:**	A0121842	**Standard ID:**	1248-STK

Notes:

1248 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173180

Compound Name	Concentration	Compound Name	Concentration
PCB-1248 (Aroclor 1248)	1000 ug/mL		

Standard Log Report

Standards Log Information for Standard #173178

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405370
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32009
Expire Date:	04/30/2023	**Manufacturer Lot ID:**	A0124535	**Standard ID:**	1242-STK

Notes:

1242 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173178

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 #173176

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405369
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32008
Expire Date:	04/30/2023	**Manufacturer Lot ID:**	A0124534	**Standard ID:**	1232-STK

Notes:

1232 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173176

Compound Name	Concentration	Compound Name	Concentration
PCB-1232 (Aroclor 1232)	1000 ug/mL		

Standard Log Report

Standards Log Information for Standard #173174

INDIVIDUAL STANDARD

Created By:	BDS	**Volume of Standard:**	1 mL	**Lot ID:**	405368
Create Date:	07/07/2017	**Manufacturer:**	Restek	**Part ID:**	32007
Expire Date:	06/30/2023	**Manufacturer Lot ID:**	A0126078	**Standard ID:**	1221-STK

Notes:

1221 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #173174

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-1232 (Aroclor 1232)-5	1000 ug/mL

Standard Log Report

Standards Log Information for Standard #172034

INDIVIDUAL STANDARD

Created By:	MRN	**Volume of Standard:**	10 mL	**Lot ID:**	405341
Create Date:	06/23/2017	**Manufacturer:**	O2SI	**Part ID:**	130023-15
Expire Date:	11/06/2018	**Manufacturer Lot ID:**	311236	**Standard ID:**	PEST-SUR

Notes:

Pest/PCB Surr @ 2000 ug/mL - opened 11/6/17 MRN

Compound Name and Concentration for Standard #172034

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 #164832

INDIVIDUAL STANDARD

Created By:	MRN	**Volume of Standard:**	25 mL	**Lot ID:**	405214
Create Date:	03/27/2017	**Manufacturer:**	O2SI	**Part ID:**	030275-07
Expire Date:	03/30/2018	**Manufacturer Lot ID:**	302694	**Standard ID:**	1242-STK

Notes:

1242 STK Std @ 1000 ug/mL

Compound Name and Concentration for Standard #164832

Compound Name	Concentration	Compound Name	Concentration
PCB-1242 (Aroclor 1242)	1000 ug/mL		

The standards listed are from Pace's Green Bay Laboratory.

405214
REC. 03/27/17 BY MRM
Exp. __/__/__ By __

2030 Savage Road
Charleston, South Carolina 29407
Phone: 866.272.0932
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ACCREDITED

ISO 17025 Accredited Chemical Testing Lab Cert. No. 3031.01

Date Received: _____

Certificate of Analysis

Rev 0 **Page 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030275-07	302694	≤ Ambient	Tol.:Hex. 1:1	15-Jan-2021	Aroclor 1242 Solution, 1,000 mg/L, 25 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1242	53469-21-9	100	275.3.5.2P	1002 +/- 5.75	mg/L

Certified By: _____

Dreema Murray

Manufacture Date 17-Mar-2017

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 gravimetriclly.

405341
REC. 06/23/17 BY MRN
Exp. --/--/-- By --

2030 Savage Road
Charleston, South Carolina 29407
Phone: 866.272.0932
Fax: 866.509.5146
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Quality System Audited & Registered
by NSF-ISR to ISO 9001:2008

ISO 17025 Accredited Chemical Testing Lab
Cert. No. 3031.01

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
130023-15	311236	≤ 6 °C	Tol.:Hex. 1:1	8-Jun-2019	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	301.115.5P	2022 +/- 4.56	mg/L
2,4,5,6-tetrachloro-m-xylene	877-09-8	98.6	300.115.3P	1996 +/- 14.54	mg/L

Certified By: Kaylie Gillenkirk

Kaylie Gillenkirk

Manufacture Date 8-Jun-2017

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 gravimetricly.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO Guide 34 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. : 32007 **Lot No.:** A0126078

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2023 **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		1,008.4 µg/mL	+/- 5.9179	µg/mL	Gravimetric
	CAS # 11104-28-2	(Lot 2781200)		+/- 31.9602	µg/mL	Unstressed
	Purity ----%			+/- 41.7506	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405368
REC. 07/06/17 BY BDS
Exp. --/--/-- BY --

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

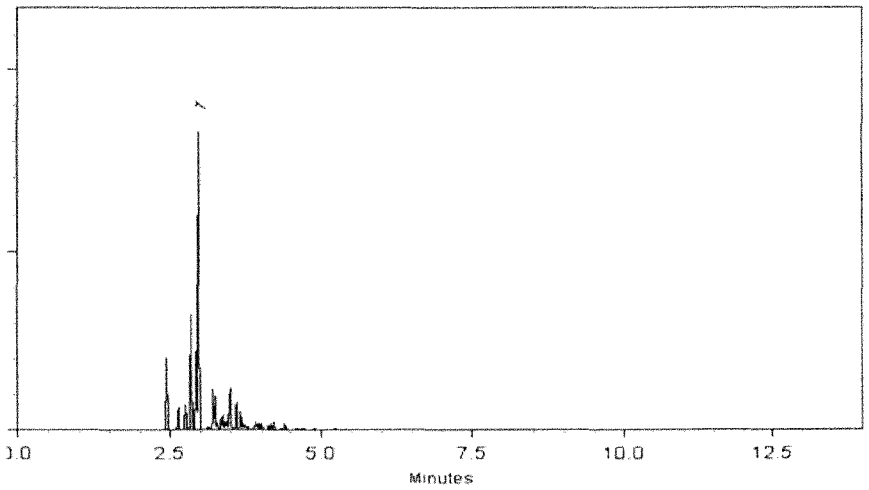
Carrier Gas:
helium-constant pressure 20 psi.

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.

Tom Suckar - Mix Technician

Date Mixed: 22-Mar-2017 **Balance:** 1125113331

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 27-Mar-2017

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Certificate #FM 80397

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Testing Laboratory
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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.:** A0124534

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **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 W-107-05)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405369
REC.07/06/17 BY BDS
Exp. __/__/__ By --
Open __/__/__ By --

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

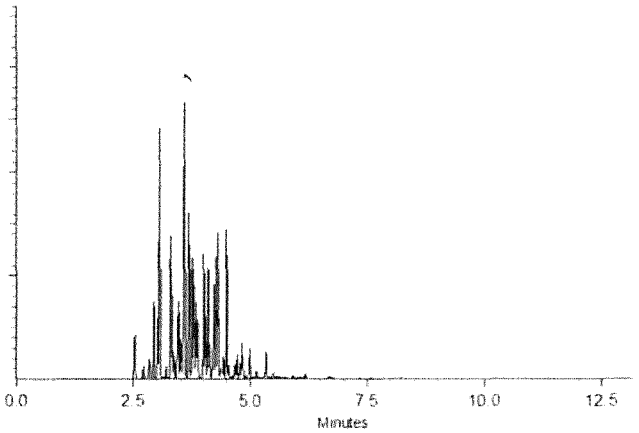
Carrier Gas:
helium-constant pressure 20 psi.

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.

Cathleen Soltis - Mix Technician

Date Mixed: 27-Jan-2017 **Balance:** B442140311

Justine Albertson - Operations Tech.ARM QC

Date Passed: 31-Jan-2017

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Certificate #FM 80397

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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.:** A0124535

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **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	1,002.0 µg/mL	+/- 5.9516 µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 31.7706 µg/mL	Unstressed
	Purity ----%		+/- 41.4958 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405370
REC.07/06/17 BY BDS
Exp. __/__/__ By __
Open __/__/__ By __

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

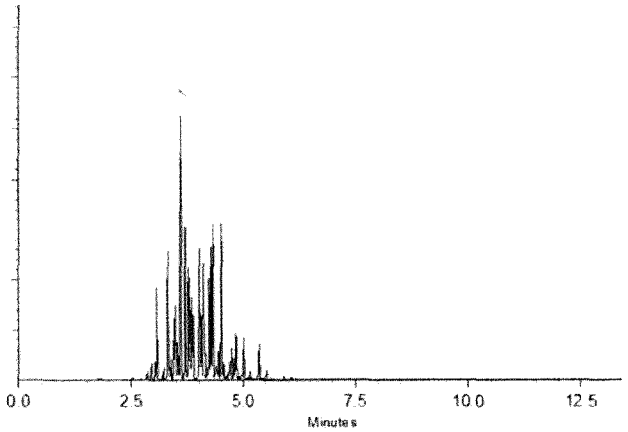
Carrier Gas:
helium-constant pressure 20 psi.

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.

Cathleen Soltis - Mix Technician

Date Mixed: 27-Jan-2017 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 31-Jan-2017

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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.:** A0121842

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2022 **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	996.8 µg/mL	+/- 5.8498 µg/mL	Gravimetric
	CAS # 12672-29-6 (Lot 07)		+/- 31.5925 µg/mL	Unstressed
	Purity ----%		+/- 41.2704 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405371
REC. 07/06/17 BY BDS
Exp. __/__/__ By __

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

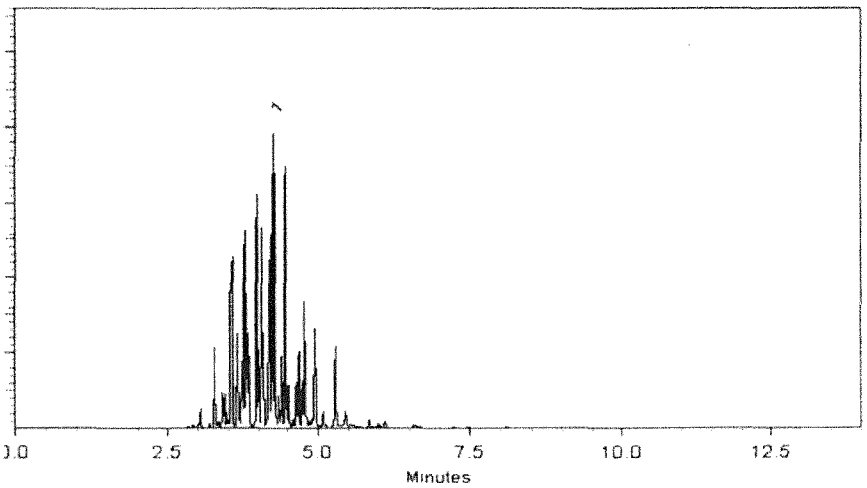
Carrier Gas:
helium-constant pressure 20 psi.

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.

Dawn Brownson - Mix Technician

Date Mixed: 29-Sep-2016 **Balance:** 1128360905

Jennifer L. Pollino - QC Analyst

Date Passed: 03-Oct-2016

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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.:** A0125350

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2023 **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		1,005.6 µg/mL	+/- 5.9014	µg/mL	Gravimetric
	CAS # 11097-69-1	(Lot 124-191-B)		+/- 31.8715	µg/mL	Unstressed
	Purity ----%			+/- 41.6347	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405372
REC.07/06/17 BY BDS
Exp. __/__/__ By __

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

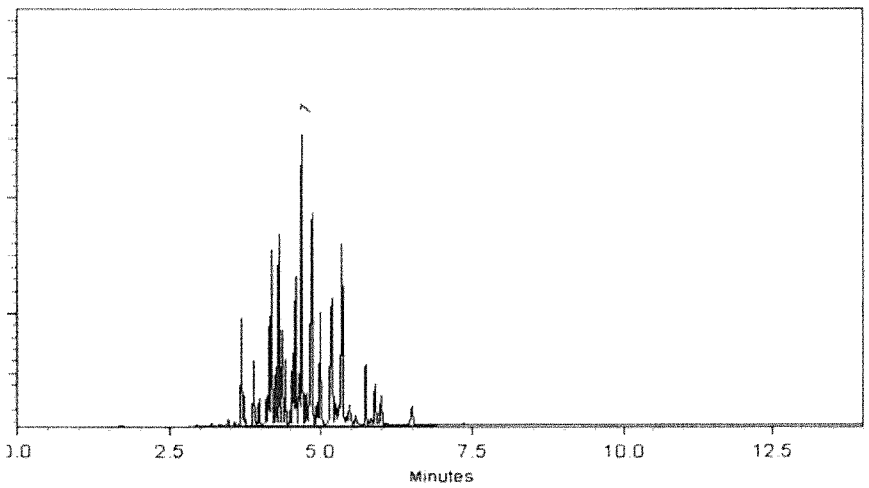
Carrier Gas:
helium-constant pressure 20 psi.

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.

Dawn Brownson - Mix Technician **Date Mixed:** 24-Feb-2017 **Balance:** 1128360905

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 13-Mar-2017

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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.:** A0124547

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 : April 30, 2023 **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		1,002.0 µg/mL	+/- 5.8392	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot W-125-04)		+/- 31.7498	µg/mL	Unstressed
	Purity ----%			+/- 41.4799	µg/mL	Stressed
2	Aroclor 1260		1,002.2 µg/mL	+/- 5.8403	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot W-129-06)		+/- 31.7561	µg/mL	Unstressed
	Purity ----%			+/- 41.4881	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

405375
REC. 07/06/17 BY BDS
Exp. --/--/-- By --
Open / / By

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

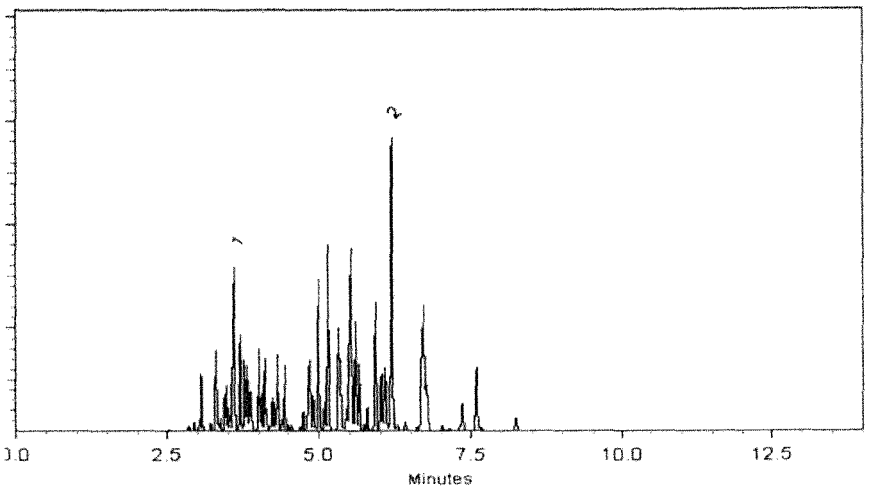
Carrier Gas:
helium-constant pressure 20 psi.

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.

Cathleen Soltis - Mix Technician

Date Mixed: 30-Jan-2017 **Balance:** B442140311

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 01-Feb-2017

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Registered Quality System
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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030275-03	302979	Ambient or Less	Hexane	20-Mar-2027	Aroclor 1242 Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1242	53469-21-9	100	275.3.5.2P	1010 +/- 7.38	mg/L

405384
REC.07/13/17 BY BDS
Exp. __/__/__ By --
Open / / By

Certified By: _____

Katrina Emelianoff

Manufacture Date 22-Mar-2017

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 gravimetricly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030276-15	296389	≤ Ambient	Hexane	14-Jan-2020	Aroclor 1248 Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1248	12672-29-6	100	276.3.1P	1008 +/- 4.47	mg/L

405385
REC. 07/13/17 BY BDS
Exp. --/--/-- By --

Certified By: _____

Katrina Emelianoff

Manufacture Date 9-Jan-2017

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 gravimetricly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030277-06	302980	≤ Ambient	Hexane	21-Mar-2020	Aroclor 1254 Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1254	11097-69-1	100	277.6.4P	1004 +/- 4.32	mg/L

405386
REC. 07/13/17 BY BDS
Exp. __/__/__ By __
Open __/__/__ By __

Certified By: _____

Katrina Emelianoff

Manufacture Date 22-Mar-2017

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 gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
130011-03	311587	≤ Ambient	Hexane	28-Jul-2020	Aroclor 1016 + 1260 Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1016	12674-11-2	100	272.5.1.6P	1006 +/- 3.01	mg/L
Aroclor 1260	11096-82-5	100	278.3.10P	1016 +/- 3.02	mg/L

405431
REC. 08/07/17 BY BDS
Exp. --/--/-- By --

Certified By: _____
Christina Elder

Manufacture Date 24-Jul-2017

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 gravimetriclly.

405434
REC 08/10/17 BY MRN
Exp. --/--/-- By --
Open --/--/-- By --

Honeywell

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Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DS178
Production Date:	12-May-2017
Best Before:	10-Nov-2018

Acetone, B&J Brand™, >99.9%
for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
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		99.95	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0527	AU
UV Absorbance @ 350 nm		0.010	0.0048	AU
UV Absorbance @ 375 nm		0.005	0.0013	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 5/12/2017 LIMS Sample No.: AI06733

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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. : 32000 **Lot No.:** A0125833

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2023 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

DMH 9-18-17

405520
REC.09/18/17 BY DMH
Exp. __/__/__ By --
Open __/__/__ By

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		201.5 µg/mL	+/- 1.1742	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.3844	µg/mL	Unstressed
	Purity 98%			+/- 8.3410	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		201.9 µg/mL	+/- 1.1766	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.3975	µg/mL	Unstressed
	Purity 99%			+/- 8.3581	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

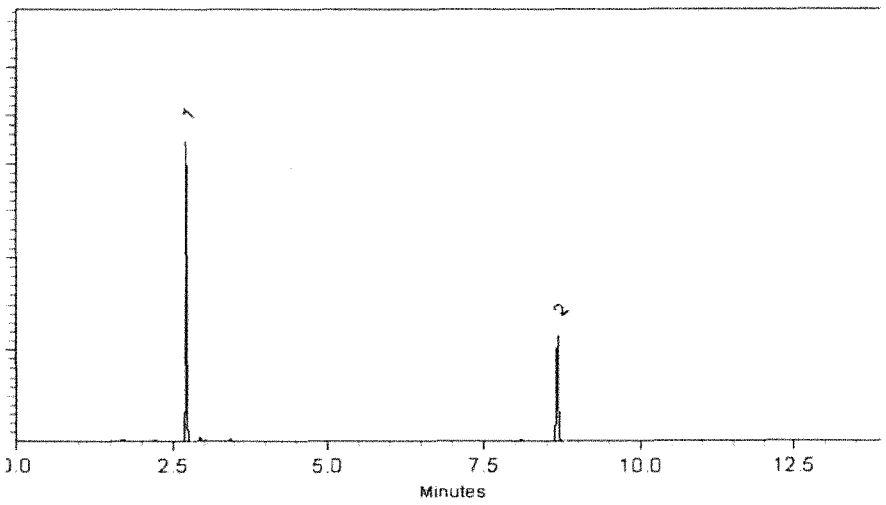
Carrier Gas:
helium-constant pressure 20 psi.

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.

Matt Fragassi - Mix Technician

Date Mixed: 15-Mar-2017 **Balance:** B345965662

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 17-Mar-2017

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

405532
REC. 09/29/17 BY MRN
Exp. --/--/-- By --

Honeywell

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Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DS490
Production Date:	10-Jul-2017
Best Before:	8-Jan-2019

Acetone, B&J Brand™, >99.9%

for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.50	0.31	%
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		99.97	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0481	AU
UV Absorbance @ 350 nm		0.010	0.0014	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 7/11/2017 LIMS Sample No.: AI07427

405540
REC. 10/09/17 BY MRI
Exp. --/--/-- By --
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Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
030273-11	316120	≤ Ambient	Hexane	1-Sep-2021	Aroclor 1221 Solution, 1,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
Aroclor 1221	11104-28-2	100	273.3.2P	1018 +/- 3.01	mg/L

Certified By: _____
Kara Catron
Manufacture Date 24-Jul-2017

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 gravimetricly.

Sodium Sulfate, Anhydrous, Granular (12-60 Mesh)
ULTRA RESI-ANALYZED®, ACS Reagent
Tested for Hexane Extractable Impurities
Suitable for Use in Pesticide Residue Analysis

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REC. 10/16/17 BY MRN
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Gen. / / By

J.T.Baker® | avantor™

Material No.: 3375-09
Batch No.: 0000177456
Manufactured Date: 2017/05/23
Retest Date: 2022/05/22

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS - Assay (Na_2SO_4)	>= 99.0 %	99.2
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	6.0
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 %	< 0.005
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

ISO
Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Hexanes (95% n-hexane)
ULTRA RESI-ANALYZED
For Organic Residue Analysis

405661
REC. 10/26/17 BY AMC
Exp. --/--/-- By --

J.T.Baker | avantor

Material No.: 9262-8P
Batch No.: 0000183983
Manufactured Date: 2017/09/15
Expiration Date: 2018/12/15

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	1
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 %	99.8
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	98
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.5
Substances Darkened by H_2SO_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

ISO
Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
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3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
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. : 32000 **Lot No.:** A0130424

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2023 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

405693
REC. 01/02/18 BY BLM
Exp: --/--/-- BY --
Open / / By

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		201.2 µg/mL	+/- 1.1725	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.3751	µg/mL	Unstressed
	Purity 98%			+/- 8.3288	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		201.5 µg/mL	+/- 1.1742	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.3848	µg/mL	Unstressed
	Purity 99%			+/- 8.3415	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

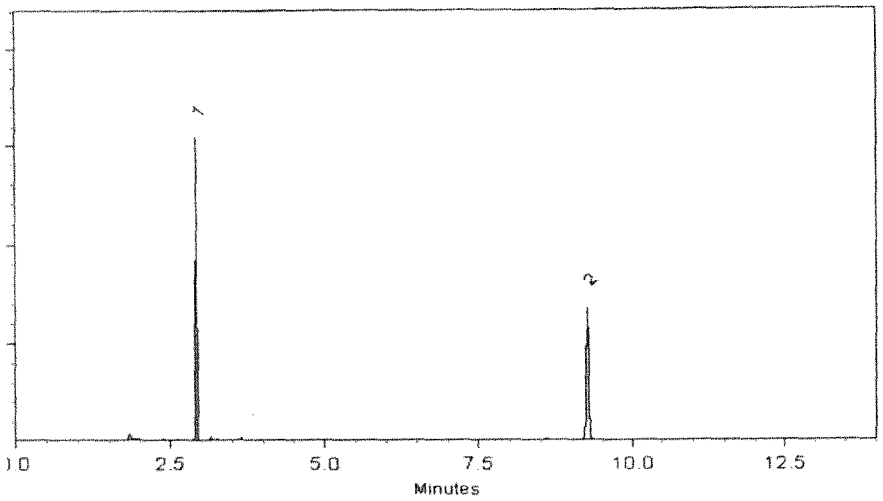
Carrier Gas:
helium-constant pressure 20 psi.

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.

Tom Suckar - Mix Technician

Date Mixed: 31-Aug-2017 **Balance:** B345965662

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 07-Sep-2017

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Hexanes (95% n-hexane)
ULTRA RESI-ANALYZED
For Organic Residue Analysis

405750
REC. 02/12/18 BY ETB
Exp. --/--/-- By --

J.T.Baker | avantor

Material No.: 9262-8P
Batch No.: 0000187681
Manufactured Date: 2017/10/16
Expiration Date: 2019/01/15

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 %	99.9
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	99
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.2
Substances Darkened by H_2SO_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

ISO
Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James T Ethier
Jamie Ethier
Vice President Global Quality

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Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

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2030 Savage Road
Charleston, South Carolina 29407
Phone: 866.272.0932
Fax: 866.509.5146
www.o2si.com

ACCREDITED

ISO 17025 Accredited Chemical Testing Lab
Cert. No. 3031.01

Date Received: _____

Certificate of Analysis

Rev 1 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
020986-02 -02-SS	297165	≤ -10 °C	P/T Methanol	16-Jan-2020	Dichlorofluoromethane (Freon 21) Gas Solution, Second Source, 2000 mg/L, 2 x 0.6 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
dichlorofluoromethane (Freon 21)	75-43-4	99	986.158.2.2.1S	2008 +/- 20.85 mg/L

405766
REC. 02/26/18 BY SMT
Exp. --/--/-- By --
Open / / By

4388-13

189977 – 189980

Certified By: Madeline Luby

Madeline Luby
Manufacture Date 16-Jan-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.

Second Source standards are prepared according to NELAC

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 gravimetricly.
The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.

SAMPLE NO.

TD5-170612-01-YB-01

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.86		%	1	03/29/2018 07:08

SAMPLE NO.

TD5-170612-01-BB-09

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.72		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-08

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	1.4		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-07

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	1.2		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-06

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	1.2		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-05

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.67		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-04

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549007 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.71		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-03

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.95		%	1	03/14/2018 06:49

SAMPLE NO.

TD5-170612-01-BB-02

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40151549009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.54		%	1	03/14/2018 06:49

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract : HUDSON RIVER REMEDIAL ACTION

Method Blank Matrix: Tissue Instrument ID: 40BALL

Method Blank Concentration Units: %

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1658258	C
Lipid									<0.030	U

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract : HUDSON RIVER REMEDIAL ACTION

Method Blank Matrix: Tissue Instrument ID: 40BALL

Method Blank Concentration Units: %

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1665662	C
Lipid									<0.030	U

SAMPLE NO.

1658259DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	1.5	1.5	5

SAMPLE NO.

1665665DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	0.30	0.28	7

SAMPLE NO.

1665666DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40151549 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	0.39	0.44	13

Prep Log Report

Batch Information: OEXT 283118 LIPIDS **Template Version: F-GB-O-145-Rev.00 (17Feb2015) LIPID**

Analysis Method	Pace Lipid	Analyzed By	AMC	Instrument	40BALL	Batch Notes	
Reviewed By	BLM	Reviewed By Date	05/03/2018 12:23				

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	**1658693**	Y	-0.01500	03/14/2018 06:49:16		10	5	1	0.9256	0.9253	M	
LIPID	BLANK	**1658258**	Y	-0.02500	03/14/2018 06:49:16		10	5	1	0.9284	0.9279	M	
LIPID	PS	**40151549002**	Y	0.7210	03/14/2018 06:49:16		9.986	5	1	0.9245	0.9389	M	
LIPID	PS	**40151549003**	Y	1.380	03/14/2018 06:49:16		10.003	5	1	0.9214	0.949	M	
LIPID	PS	**40151549004**	Y	1.174	03/14/2018 06:49:16		10.0055	5	1	0.925	0.9485	M	
LIPID	PS	**40151549005**	Y	1.205	03/14/2018 06:49:16		10.0008	5	1	0.9265	0.9506	M	
LIPID	PS	**40151549006**	Y	0.6691	03/14/2018 06:49:16		10.0138	5	1	0.9244	0.9378	M	
LIPID	PS	**40151549007**	Y	0.7099	03/14/2018 06:49:16		10.0021	5	1	0.9212	0.9354	M	
LIPID	PS	**40151549008**	Y	0.9483	03/14/2018 06:49:16		10.0178	5	1	0.9285	0.9475	M	
LIPID	PS	**40151549009**	Y	0.5400	03/14/2018 06:49:16		10.0005	5	1	0.9247	0.9355	M	
LIPID	RQS	**40151552010**	Y	1.455	03/14/2018 06:49:16		9.9677	5	1	0.9245	0.9535	M	
LIPID	DUP	**1658259**	Y	1.529	03/14/2018 06:49:16		10.0089	5	1	0.9211	0.9517	M	
LIPID	PS	**40151601003**	Y	0.8971	03/14/2018 06:49:16		10.0319	5	1	0.924	0.942	M	
LIPID	PS	**40151601004**	Y	0.3551	03/14/2018 06:49:16		9.9968	5	1	0.923	0.9301	M	
LIPID	PS	**40151601005**	Y	0.6190	03/14/2018 06:49:16		10.0156	5	1	0.9209	0.9333	M	
LIPID	PS	**40151601006**	Y	1.412	03/14/2018 06:49:16		9.9883	5	1	0.923	0.9512	M	
LIPID	MS	**1682499**	Y	1.561	03/14/2018 06:49:16		9.9946	5	1	.9183	0.9495	M	

Prep Log Report

Batch Information: OEXT 284607 LIPIDS **Template Version: F-GB-O-145-Rev.01 (22Mar2018) LIPID**

Analysis Method	Pace Lipid	Analyzed By	ETB	Instrument	40BALL	Batch Notes	
Reviewed By	BLM	Reviewed By Date	05/02/2018 14:45				

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	**1665662**	Y	0.000	03/29/2018 07:08:13		10	5	1	0.9302	0.9302	M	1664793
LIPID	BLANK	**1665663**	Y	-0.01000	03/29/2018 07:08:26		10	5	1	0.929	0.9288	M	1664794
LIPID	PS	**40151549001**	Y	0.8646	03/29/2018 07:08:40		10.0051	5	1	0.9306	0.9479	M	
LIPID	PS	**40151601001**	Y	0.4694	03/29/2018 07:08:51		10.0134	5	1	0.9305	0.9399	M	
LIPID	PS	**40151613001**	Y	0.2956	03/29/2018 07:09:02		9.9785	5	1	0.9291	0.935	M	
LIPID	DUP	**1665665**	Y	0.2754	03/29/2018 07:09:22		9.9864	5	1	0.928	0.9335	M	1664796
LIPID	PS	**40151613002**	Y	0.3351	03/29/2018 07:09:35		9.9976	5	1	0.9266	0.9333	M	
LIPID	PS	**40151614002**	Y	0.5648	03/29/2018 07:09:44		10.0031	5	1	0.9267	0.938	M	
LIPID	PS	**40151614003**	Y	0.2853	03/29/2018 07:09:58		9.9906	5	1	0.9255	0.9312	M	
LIPID	PS	**40151614004**	Y	0.2303	03/29/2018 07:10:08		9.986	5	1	0.9277	0.9323	M	
LIPID	PS	**40151613014**	Y	0.3100	03/29/2018 07:10:21		10	5	1	0.9278	0.934	M	
LIPID	PS	**40151800005**	Y	0.5196	03/29/2018 07:10:32		10.0085	5	1	0.926	0.9364	M	
LIPID	PS	**40151802001**	Y	0.2955	03/29/2018 07:10:38		9.9815	5	1	0.9251	0.931	M	
LIPID	PS	**40151802002**	Y	0.2035	03/29/2018 07:10:45		9.994	5	1.5	0.9294	0.9355	M	1*
LIPID	PS	**40151802003**	Y	0.3614	03/29/2018 07:10:53		9.9604	5	1	0.9296	0.9368	M	
LIPID	PS	**40151802004**	Y	0.3492	03/29/2018 07:11:00		10.0221	5	1	0.9287	0.9357	M	
LIPID	PS	**40151802005**	Y	0.3408	03/29/2018 07:11:07		9.9766	5	1	0.928	0.9348	M	
LIPID	PS	**40151805001**	Y	1.029	03/29/2018 07:11:17		10.0137	5	1	0.9291	0.9497	M	
LIPID	PS	**40157825001**	Y	0.3859	03/29/2018 07:11:23		9.9773	5	1	0.9255	0.9332	M	

Prep Log Report

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	DUP	**1665666**	Y	0.4392	03/29/2018 07:11:30		10.019	5	1	0.924	0.9328	M	1664809
LIPID	MS	**1682554**	Y	0.2706	03/29/2018 07:11:30		9.9787	5	1	.9302	0.9356	M	

Sample Notes:

1*: 0.5mL of samples was added on accident to the tin so the Lipids are out of 1.5 instead of the usual 1.0mL. AMC 4/6/18

40151549

Client Name: GE
Project #: 40151549
Sample Type: Fish
Date/Time Removed to Thaw: 03-05-18
Date/Time Prepped: 03-05-18
Prepped by: CWN + JL + RM
Location Thawed: 40FRG21 / Room Temperature (circle one)

Pace Analytical

Biota Homogenization Log (NYDOH Method)

Logbook: 4413

Sample ID	A) Scales Removed B) Skin Removed (Note A or B Below)	Whole Body/Fillet (WB/F)	Picture of Fish/Weight Taken? (Y/N)	Total Fish Weight (g)	Internal Organs Intact (Y/N)	Gender (Optional) M/F/U[1]	Fillet Weight (g)	Left/Both Fillet[2]?	Picture of Fillet/Weight Taken? (Y/N)	Container Code[3]	Number of Containers Used	Picture of Jars/Weight Taken? (Y/N)	Weight of homogenized Sample (g)	Processing Type (C/G/R/RM)[4]	Sample Comments
1	B	F	Y	459.2	Y	~~F 46.6~~	46.6	Left / Both	Y	9AG	1	Y	45.5	C	
2	B	F	Y	528.1	Y	F	76.0	Left / Both	Y	9AG	1	Y	75.2	C	
3	B	F	Y	680.6	Y	F	91.0	Left / Both	Y	9AG	1	Y	89.9	C	
4	B	F	Y	771.0	Y	M	97.4	Left / Both	Y	9AG	1	Y	95.4	C	
5	B	F	Y	615.2	Y	F	79.9	Left / Both	Y	9AG	1	Y	77.9	C	
6	B	F	Y	647.3	Y	F	75.8	Left / Both	Y	9AG	1	Y	74.3	C	
7	B	F	Y	767.9	Y	F	83.4	Left / Both	Y	9AG	1	Y	81.1	C	
8	B	F	Y	866.9	Y	F	98.3	Left / Both	Y	9AG	1	Y	95.7	C	
9	B	F	Y	555.5	Y	F	52.6	Left / Both	Y	9AG	1	Y	51.4	C	
								Left / Both							
								Left / Both							
								Left / Both							
								Left / Both							
								Left / Both							
						CWN	~~03-05-18~~	Left / Both							
								Left / Both							
								Left / Both							
								Left / Both							
								Left / Both							
								Left / Both							

(1) M = Male, F = Female, U = Undetermined

(2) If left fillet weight is under 40g, the right fillet in included in the sample weight.

(3) Note Container Type / Lot # using Codes Below:

Container Code	Container Size	Lot#
2CG	2 oz Clear Glass	
4AG	4 oz Amber Glass	
9AG	9 oz Amber Glass	F-7-212-04AB
32AG	32 oz Amber Glass	

(4) Processing Type Code Descriptions:

Code	Description of Code
C	Chopped
G	Grind
R	Robot coupe
RM	Robot coupe multiple batches

Reviewed By

Date 3/6/18