Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 40148722

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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 M
Pace Project No.: 40148722

Dear Jim Ryan:
Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 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 M
Pace Project No.: 40148722

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 M
Pace Project No.: 40148722

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40148722001	**TZ1-170420-01-STB-20**	Tissue	04/20/17 12:16	04/21/17 09:20
40148722002	**TZ1-170420-01-STB-19**	Tissue	04/20/17 12:13	04/21/17 09:20
40148722003	**TZ1-170420-01-STB-18**	Tissue	04/20/17 12:11	04/21/17 09:20
40148722004	**TZ1-170420-01-STB-17**	Tissue	04/20/17 12:08	04/21/17 09:20
40148722005	**TZ1-170420-01-STB-16**	Tissue	04/20/17 12:06	04/21/17 09:20
40148722006	**TZ1-170420-01-STB-15**	Tissue	04/20/17 12:02	04/21/17 09:20
40148722007	**TZ1-170420-01-STB-14**	Tissue	04/20/17 12:00	04/21/17 09:20
40148722008	**TZ1-170420-01-STB-13**	Tissue	04/20/17 11:58	04/21/17 09:20
40148722009	**TZ1-170420-01-STB-12**	Tissue	04/20/17 11:52	04/21/17 09:20

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SAMPLE ANALYTE COUNT

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40148722001	**TZ1-170420-01-STB-20**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722002	**TZ1-170420-01-STB-19**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722003	**TZ1-170420-01-STB-18**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722004	**TZ1-170420-01-STB-17**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722005	**TZ1-170420-01-STB-16**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722006	**TZ1-170420-01-STB-15**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722007	**TZ1-170420-01-STB-14**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722008	**TZ1-170420-01-STB-13**	EPA 8082A Mod	BLM	10
		Pace Gender Typing	CWN	1
		Pace Lipid	AMC	1
40148722009	**TZ1-170420-01-STB-12**	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 M
Pace Project No.: 40148722

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.

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

Additional Comments:

Analyte Comments:

QC Batch: 282341

1q: The duplicate acceptance criteria for sample results when at least one result is <5x the reporting limit is the difference between the results is <2x the reporting limit. The sample and duplicate precision do not exceed project criteria.

- DUP (Lab ID: 1654793)
  - PCB-1260 (Aroclor 1260)

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PROJECT NARRATIVE

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

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 M
Pace Project No.: 40148722

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 M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-20 **Lab ID: 40148722001** Collected: 04/20/17 12:16 Received: 04/21/17 09:20 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	03/02/18 06:50	03/07/18 19:20	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	53469-21-9	
PCB-1248 (Aroclor 1248)	**115**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	12672-29-6	
PCB-1254 (Aroclor 1254)	**142**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	11097-69-1	
PCB-1260 (Aroclor 1260)	**174**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	11096-82-5	
PCB, Total	**430**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 19:20	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	60-140		1	03/02/18 06:50	03/07/18 19:20	877-09-8	
Decachlorobiphenyl (S)	84	%	60-140		1	03/02/18 06:50	03/07/18 19:20	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Male**				1		02/21/18 14:51		
Lipid	Analytical Method: Pace Lipid								
Lipid	**2.5**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-19 **Lab ID: 40148722002** Collected: 04/20/17 12:13 Received: 04/21/17 09:20 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	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**52.6**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**78.1**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**116**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	11096-82-5	
PCB, Total	**246**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 19:37	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	60-140		1	03/02/18 06:50	03/07/18 19:37	877-09-8	
Decachlorobiphenyl (S)	77	%	60-140		1	03/02/18 06:50	03/07/18 19:37	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		02/21/18 14:51		
Lipid	Analytical Method: Pace Lipid								
Lipid	**2.1**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-18 **Lab ID: 40148722003** Collected: 04/20/17 12:11 Received: 04/21/17 09:20 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)	**<22.9**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<22.9**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<22.9**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.9**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**196**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**225**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**274**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	11096-82-5	
PCB, Total	**694**	ug/kg	100	22.9	2	03/02/18 06:50	03/07/18 19:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	60-140		2	03/02/18 06:50	03/07/18 19:53	877-09-8	
Decachlorobiphenyl (S)	96	%	60-140		2	03/02/18 06:50	03/07/18 19:53	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		02/21/18 14:51		
Lipid	Analytical Method: Pace Lipid								
Lipid	**3.6**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-17 **Lab ID: 40148722004** Collected: 04/20/17 12:08 Received: 04/21/17 09:20 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	03/02/18 06:50	03/07/18 20:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**30.6J**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**47.8J**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**102**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	11096-82-5	
PCB, Total	**181**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 20:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	101	%	60-140		1	03/02/18 06:50	03/07/18 20:09	877-09-8	
Decachlorobiphenyl (S)	102	%	60-140		1	03/02/18 06:50	03/07/18 20:09	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**2.6**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-16 **Lab ID: 40148722005** Collected: 04/20/17 12:06 Received: 04/21/17 09:20 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	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**65.3**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**94.6**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**135**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	11096-82-5	
PCB, Total	**295**	ug/kg	50.2	11.4	1	03/02/18 06:50	03/07/18 20:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	60-140		1	03/02/18 06:50	03/07/18 20:57	877-09-8	
Decachlorobiphenyl (S)	90	%	60-140		1	03/02/18 06:50	03/07/18 20:57	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Male**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**2.3**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-15 **Lab ID: 40148722006** Collected: 04/20/17 12:02 Received: 04/21/17 09:20 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	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	53469-21-9	
PCB-1248 (Aroclor 1248)	**77.8**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	12672-29-6	
PCB-1254 (Aroclor 1254)	**119**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	11097-69-1	
PCB-1260 (Aroclor 1260)	**196**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	11096-82-5	
PCB, Total	**393**	ug/kg	49.8	11.4	1	03/02/18 06:50	03/07/18 21:13	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	60-140		1	03/02/18 06:50	03/07/18 21:13	877-09-8	
Decachlorobiphenyl (S)	88	%	60-140		1	03/02/18 06:50	03/07/18 21:13	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**2.3**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-14 **Lab ID: 40148722007** Collected: 04/20/17 12:00 Received: 04/21/17 09:20 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	03/02/18 06:50	03/07/18 21:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**86.8**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**129**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**173**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	11096-82-5	
PCB, Total	**388**	ug/kg	50.0	11.4	1	03/02/18 06:50	03/07/18 21:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	60-140		1	03/02/18 06:50	03/07/18 21:29	877-09-8	
Decachlorobiphenyl (S)	94	%	60-140		1	03/02/18 06:50	03/07/18 21:29	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**U**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**4.0**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-13 **Lab ID: 40148722008** Collected: 04/20/17 11:58 Received: 04/21/17 09:20 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	03/02/18 06:50	03/07/18 21:46	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	53469-21-9	
PCB-1248 (Aroclor 1248)	**88.8**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	12672-29-6	
PCB-1254 (Aroclor 1254)	**135**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	11097-69-1	
PCB-1260 (Aroclor 1260)	**161**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	11096-82-5	
PCB, Total	**385**	ug/kg	50.1	11.4	1	03/02/18 06:50	03/07/18 21:46	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	60-140		1	03/02/18 06:50	03/07/18 21:46	877-09-8	
Decachlorobiphenyl (S)	75	%	60-140		1	03/02/18 06:50	03/07/18 21:46	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Male**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**0.75**	%	0.030	0.030	1		03/07/18 06:41		

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ANALYTICAL RESULTS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

Sample: TZ1-170420-01-STB-12 **Lab ID: 40148722009** Collected: 04/20/17 11:52 Received: 04/21/17 09:20 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	03/05/18 07:12	03/07/18 15:18	12674-11-2	
PCB-1221 (Aroclor 1221)	**<11.4**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	11104-28-2	
PCB-1232 (Aroclor 1232)	**<11.4**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	11141-16-5	
PCB-1242 (Aroclor 1242)	**<11.4**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	53469-21-9	
PCB-1248 (Aroclor 1248)	**49.6J**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	12672-29-6	
PCB-1254 (Aroclor 1254)	**71.2**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	11097-69-1	
PCB-1260 (Aroclor 1260)	**137**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	11096-82-5	
PCB, Total	**257**	ug/kg	50.1	11.4	1	03/05/18 07:12	03/07/18 15:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	103	%	60-140		1	03/05/18 07:12	03/07/18 15:18	877-09-8	
Decachlorobiphenyl (S)	110	%	60-140		1	03/05/18 07:12	03/07/18 15:18	2051-24-3	
Fish Gender Typing	Analytical Method: Pace Gender Typing								
Gender	**Female**				1		02/21/18 14:52		
Lipid	Analytical Method: Pace Lipid								
Lipid	**3.4**	%	0.030	0.030	1		03/07/18 07:13		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

QC Batch: 282250 | Analysis Method: EPA 8082A Mod
QC Batch Method: EPA 3541 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40148722001, 40148722002, 40148722003, 40148722004, 40148722005, 40148722006, 40148722007, 40148722008

METHOD BLANK: 1653810 | Matrix: Tissue
Associated Lab Samples: 40148722001, 40148722002, 40148722003, 40148722004, 40148722005, 40148722006, 40148722007, 40148722008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1248 (Aroclor 1248)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1254 (Aroclor 1254)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1260 (Aroclor 1260)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
Decachlorobiphenyl (S)	%	87	60-140		03/07/18 14:30	
Tetrachloro-m-xylene (S)	%	76	60-140		03/07/18 14:30	

LABORATORY CONTROL SAMPLE: 1653811

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	228	91	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)	%			87	60-140	
Tetrachloro-m-xylene (S)	%			80	60-140	

MATRIX SPIKE SAMPLE: 1653812

Parameter	Units	40148598005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<22.8		<22.8			
PCB-1221 (Aroclor 1221)	ug/kg	<22.8		<22.8			
PCB-1232 (Aroclor 1232)	ug/kg	<22.8		<22.8			
PCB-1242 (Aroclor 1242)	ug/kg	<22.8	250	313	125	70-130	
PCB-1248 (Aroclor 1248)	ug/kg	229		382			
PCB-1254 (Aroclor 1254)	ug/kg	253		267			
PCB-1260 (Aroclor 1260)	ug/kg	274		262			
Decachlorobiphenyl (S)	%				96	60-140	
Tetrachloro-m-xylene (S)	%				92	60-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

SAMPLE DUPLICATE: 1653813

Parameter	Units	40148598005 Result	Dup Result	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<22.8	<22.8		40	
PCB-1221 (Aroclor 1221)	ug/kg	<22.8	<22.8		40	
PCB-1232 (Aroclor 1232)	ug/kg	<22.8	<22.8		40	
PCB-1242 (Aroclor 1242)	ug/kg	<22.8	<22.8		40	
PCB-1248 (Aroclor 1248)	ug/kg	229	176	26	40	
PCB-1254 (Aroclor 1254)	ug/kg	253	195	26	40	
PCB-1260 (Aroclor 1260)	ug/kg	274	211	26	40	
Decachlorobiphenyl (S)	%	99	88	11		
Tetrachloro-m-xylene (S)	%	89	82	9		

SAMPLE DUPLICATE: 1653814

Parameter	Units	40148671004 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	21.8J	26.7J		40	
PCB-1254 (Aroclor 1254)	ug/kg	31.3J	39.2J		40	
PCB-1260 (Aroclor 1260)	ug/kg	65.8	84.4	25	40	
Decachlorobiphenyl (S)	%	71	89	22		
Tetrachloro-m-xylene (S)	%	67	80	17		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

QC Batch: 282341 | Analysis Method: EPA 8082A Mod
QC Batch Method: EPA 3541 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40148722009

METHOD BLANK: 1654789 | Matrix: Tissue
Associated Lab Samples: 40148722009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1221 (Aroclor 1221)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1232 (Aroclor 1232)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1242 (Aroclor 1242)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1248 (Aroclor 1248)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1254 (Aroclor 1254)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
PCB-1260 (Aroclor 1260)	ug/kg	<11.4	50.0	11.4	03/07/18 14:30	
Decachlorobiphenyl (S)	%	84	60-140		03/07/18 14:30	
Tetrachloro-m-xylene (S)	%	73	60-140		03/07/18 14:30	

LABORATORY CONTROL SAMPLE: 1654790

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	226	90	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)	%			87	60-140	
Tetrachloro-m-xylene (S)	%			78	60-140	

MATRIX SPIKE SAMPLE: 1654791

Parameter	Units	40148722009 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	250	235	94	70-130	
PCB-1248 (Aroclor 1248)	ug/kg	49.6J		182			
PCB-1254 (Aroclor 1254)	ug/kg	71.2		79.3			
PCB-1260 (Aroclor 1260)	ug/kg	137		107			
Decachlorobiphenyl (S)	%				91	60-140	
Tetrachloro-m-xylene (S)	%				85	60-140	

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

SAMPLE DUPLICATE: 1654792

Parameter	Units	40148722009 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	49.6J	37.8J		40	
PCB-1254 (Aroclor 1254)	ug/kg	71.2	53.1	29	40	
PCB-1260 (Aroclor 1260)	ug/kg	137	106	26	40	
Decachlorobiphenyl (S)	%	110	86	24		
Tetrachloro-m-xylene (S)	%	103	78	28		

SAMPLE DUPLICATE: 1654793

Parameter	Units	40150295009 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	35.3J	23.9J		40	
PCB-1254 (Aroclor 1254)	ug/kg	45.2J	29.0J		40	
PCB-1260 (Aroclor 1260)	ug/kg	92.0	57.0	47	40	1q
Decachlorobiphenyl (S)	%	100	92	8		
Tetrachloro-m-xylene (S)	%	97	90	7		

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

QC Batch: 282285 | Analysis Method: Pace Lipid
QC Batch Method: Pace Lipid | Analysis Description: LIPID
Associated Lab Samples: 40148722001, 40148722002, 40148722003, 40148722004, 40148722005, 40148722006, 40148722007, 40148722008

METHOD BLANK: 1653924 | Matrix: Tissue
Associated Lab Samples: 40148722001, 40148722002, 40148722003, 40148722004, 40148722005, 40148722006, 40148722007, 40148722008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lipid	%	<0.030	0.030	0.030	03/07/18 06:41	

MATRIX SPIKE SAMPLE: 1682000

Parameter	Units	40148598005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lipid	%	2.7		2.5			

SAMPLE DUPLICATE: 1653927

Parameter	Units	40148598005 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	2.7	2.1	25	40	

SAMPLE DUPLICATE: 1653928

Parameter	Units	40148671004 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	1.6	2.2	27	40	

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QUALITY CONTROL DATA

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

QC Batch: 282377 | Analysis Method: Pace Lipid
QC Batch Method: Pace Lipid | Analysis Description: LIPID
Associated Lab Samples: 40148722009

METHOD BLANK: 1654892 | Matrix: Tissue
Associated Lab Samples: 40148722009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lipid	%	<0.030	0.030	0.030	03/07/18 07:13	

MATRIX SPIKE SAMPLE: 1682435

Parameter	Units	40148722009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lipid	%	3.4		2.7			

SAMPLE DUPLICATE: 1654895

Parameter	Units	40148722009 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	3.4	2.5	29	40	

SAMPLE DUPLICATE: 1654896

Parameter	Units	40150295009 Result	Dup Result	RPD	Max RPD	Qualifiers
Lipid	%	2.6	1.7	39	40	

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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: HUDSON RIVER REMEDIAL ACTION M
Pace Project No.: 40148722

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 The duplicate acceptance criteria for sample results when at least one result is <5x the reporting limit is the difference between the results is <2x the reporting limit. The sample and duplicate precision do not exceed project criteria.

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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 M
Pace Project No.: 40148722

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40148722001	**TZ1-170420-01-STB-20**	EPA 3541	282250	EPA 8082A Mod	282391
40148722002	**TZ1-170420-01-STB-19**	EPA 3541	282250	EPA 8082A Mod	282391
40148722003	**TZ1-170420-01-STB-18**	EPA 3541	282250	EPA 8082A Mod	282391
40148722004	**TZ1-170420-01-STB-17**	EPA 3541	282250	EPA 8082A Mod	282391
40148722005	**TZ1-170420-01-STB-16**	EPA 3541	282250	EPA 8082A Mod	282391
40148722006	**TZ1-170420-01-STB-15**	EPA 3541	282250	EPA 8082A Mod	282391
40148722007	**TZ1-170420-01-STB-14**	EPA 3541	282250	EPA 8082A Mod	282391
40148722008	**TZ1-170420-01-STB-13**	EPA 3541	282250	EPA 8082A Mod	282391
40148722009	**TZ1-170420-01-STB-12**	EPA 3541	282341	EPA 8082A Mod	282653
40148722001	**TZ1-170420-01-STB-20**	Pace Gender Typing	281641		
40148722002	**TZ1-170420-01-STB-19**	Pace Gender Typing	281641		
40148722003	**TZ1-170420-01-STB-18**	Pace Gender Typing	281641		
40148722004	**TZ1-170420-01-STB-17**	Pace Gender Typing	281641		
40148722005	**TZ1-170420-01-STB-16**	Pace Gender Typing	281641		
40148722006	**TZ1-170420-01-STB-15**	Pace Gender Typing	281641		
40148722007	**TZ1-170420-01-STB-14**	Pace Gender Typing	281641		
40148722008	**TZ1-170420-01-STB-13**	Pace Gender Typing	281641		
40148722009	**TZ1-170420-01-STB-12**	Pace Gender Typing	281641		
40148722001	**TZ1-170420-01-STB-20**	Pace Lipid	282285		
40148722002	**TZ1-170420-01-STB-19**	Pace Lipid	282285		
40148722003	**TZ1-170420-01-STB-18**	Pace Lipid	282285		
40148722004	**TZ1-170420-01-STB-17**	Pace Lipid	282285		
40148722005	**TZ1-170420-01-STB-16**	Pace Lipid	282285		
40148722006	**TZ1-170420-01-STB-15**	Pace Lipid	282285		
40148722007	**TZ1-170420-01-STB-14**	Pace Lipid	282285		
40148722008	**TZ1-170420-01-STB-13**	Pace Lipid	282285		
40148722009	**TZ1-170420-01-STB-12**	Pace Lipid	282377		

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ANCHOR QEA

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC170420-T11-01
Sample Custodian: MCS
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	TZ1-170420-01	TZ1-170420-01-STB-20	4/20/2017	12:16	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	1-Ziploc A
002	TZ1-170420-01	TZ1-170420-01-STB-19	4/20/2017	12:13	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
003	TZ1-170420-01	TZ1-170420-01-STB-18	4/20/2017	12:11	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
004	TZ1-170420-01	TZ1-170420-01-STB-17	4/20/2017	12:08	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
005	TZ1-170420-01	TZ1-170420-01-STB-16	4/20/2017	12:06	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
006	TZ1-170420-01	TZ1-170420-01-STB-15	4/20/2017	12:02	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
007	TZ1-170420-01	TZ1-170420-01-STB-14	4/20/2017	12:00	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
008	TZ1-170420-01	TZ1-170420-01-STB-13	4/20/2017	11:58	☐	1	F	FLRC	☐	☐	☐	☑	☑	☑	
009	TZ1-170420-01	TZ1-170420-01-STB-12	4/20/2017	11:52	☑	1	F	FLRC	☐	☐	☐	☑	☑	☑	

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature [signature]	Signature	Signature	Signature [signature]	Signature	Signature
Print Name Matt Smith	Print Name	Print Name	Print Name Sam Mulesa	Print Name	Print Name
Company Anchor QEA	Company	Company Fed EX	Company Pace	Company	Company
Date/Time 4/20/17 13:00	Date/Time	Date/Time 4/21/17 0920	Date/Time 4/21/17 0920	Date/Time	Date/Time

Date Printed: 4/20/2017 * F= FISH **F=Fillet, WH=Whole Body, O=Offal **COC TYPE:** *TPCB-LIPD-PEST-MERCURY* **Page 1 of 1**

Pace Analytical™

Sample Condition Upon Receipt

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

40148722

Sample Condition Upon Receipt

Client Name: Anchor QEA Project # _____

Additional Comments/Resolution:

Tracking #	Temp	Custody Seal
Cooler 1- 7863 0434 3400	3	Y
Cooler 2- 7863 0434 3411	2	Y
Cooler 3- 7863 0434 3422	2	Y
Cooler 4- 7863 0434 3433	2	Y

SSM 4/21/17

Project Manager Review: _____ **Date:** _____

F-GB-C-031-Rev.03 (9April2015) SCUR Form

Sample Condition Upon Receipt

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

Pace Analytical™

Project #: **WO# : 40148722**

40148722

Client Name: Anchor QEA

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

Tracking #: ①

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 ① **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ① /Corr: ① **Biological Tissue is Frozen:** ☐ yes ☒ no

Temp Blank Present: ☒ yes ☐ no

Person examining contents:
Date: 4/21/17
Initials: SSM

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
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: ① See attached document for tracking #'s + cooler temps SSM 4/21/17

Project Manager Review: _____ **Date:** _____

F-GB-C-031-Rev.03 (9April2015) SCUR Form

CASE NARRATIVE - PCB ANALYSIS

Lab Report Number (SDG): 40157822
Client: GENERAL ELECTRIC COMPANY
Project Name: HUDSON RIVER REMEDIAL ACTION MONITORING PROGRAM
Project Number: N/A

1. RECEIPT

Samples were received on ice at or below 2°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 spike was fortified with Aroclor 1242 and met the QAPP specified accuracy criteria.
2. **Matrix Spike (MS):** Sample AT1-170616-01-SMB-04 was designated as the parent sample for the MS for this SDG and one portion of the sample was fortified with Aroclor 1242. The MS required a 1:2 dilution to bring a non-fortified Aroclor within instrument calibration range. The QAPP specified accuracy criteria were met.

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

F. Sample Duplicate: Sample AT1-170616-01-SMB-04 was designated as the duplicate for this SDG. The QAPP specified precision criteria were met. Duplicate results are not evaluated below the reporting limit.

G. Dilutions: All samples with the exception of AT1-170616-01-SMB-12 and AT1-170616-01-SMB-03 were analyzed at a dilution to bring the level of Aroclors within the calibration range of the instrument.

H. Reanalysis: None required for this SDG.

I. Comments: Due to rounding differences in the software programs used, the values found on the quantitation reports may not match the values found on the sample Form 1s.

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

Signed: Leigh A Begalske Date: 05/04/18

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.: 40148722 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ

LAB SAMPLE ID	SAMPLE NAME	DCBP	TCMX
1654789	1654789BLANK	84	73
1654790	1654790LCS	87	78
1654791	1654791MS	91	85
1654792	1654792DUP	86	78
40148722009	TZ1-170420-01-STB-12	110	103

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

* Values outside of QC Limits

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

Lab Name: Pace Analytical - Green Bay SDG No.: 40148722 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSK

LAB SAMPLE ID	SAMPLE NAME	DCBP	TCMX
1653810	1653810BLANK	87	76
1653811	1653811LCS	87	80
40148722001	TZ1-170420-01-STB-20	84	79
40148722002	TZ1-170420-01-STB-19	77	71
40148722003	TZ1-170420-01-STB-18	96	81
40148722004	TZ1-170420-01-STB-17	102	101
40148722005	TZ1-170420-01-STB-16	90	87
40148722006	TZ1-170420-01-STB-15	88	80
40148722007	TZ1-170420-01-STB-14	94	88
40148722008	TZ1-170420-01-STB-13	75	69

	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: 03/05/2018

Instrument: 40GCSJ

Lab File ID: 030718.B\030718014.D

Lab Sample ID: 1654790LCS

Date Analyzed (1): 03/07/2018

LCS Lot No: 182336

SDG No.: 40148722

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	226	90	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: 03/02/2018

Instrument: 40GCSK

Lab File ID: 030718.B\030718013.D

Lab Sample ID: 1653811LCS

Date Analyzed (1): 03/07/2018

LCS Lot No: 182336

SDG No.: 40148722

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	228	91	70-130

Spike Recovery: 0 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: 03/05/2018

Instrument: 40GCSJ

Parent Sample ID: TZ1-170420-01-STB-12

Matrix Spike - Sample No: 1654791MS

Date Analyzed (1): 03/07/2018

Lab File ID: 030718.B\030718016.D

SDG No.: 40148722

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	<11.4	235	94	70-130

Spike Recovery: 0 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: 03/02/2018

Instrument: 40GCSK

Parent Sample ID: 40148598005

Matrix Spike - Sample No: 1653812MS

Date Analyzed (1): 03/07/2018

Lab File ID: 030718.B\030718015.D

SDG No.: 40148722

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1242 (Aroclor 1242)	250	<22.8	313	125	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: 03/05/2018

Instrument 40GCSJ

Lab Sample ID: 40150295009

Duplicate Sample No: 40150295009DUP

Date Analyzed: 03/07/2018

Lab File ID: 030718.B\030718044.D

SDG No.: 40148722

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)	35.3J	23.9J		0-40
PCB-1254 (Aroclor 1254)	45.2J	29.0J		0-40
PCB-1260 (Aroclor 1260)	92.0	57.0	47	0-40

RPD: 1 out of 1 outside limits.

PCB - FORM III SVOA-2

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/05/2018

Instrument 40GCSJ

Lab Sample ID: TZ1-170420-01-STB-12

Duplicate Sample No: 40148722009DUP

Date Analyzed: 03/07/2018

Lab File ID: 030718.B\030718020.D

SDG No.: 40148722

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)	49.6J	37.8J		0-40
PCB-1254 (Aroclor 1254)	71.2	53.1	29	0-40
PCB-1260 (Aroclor 1260)	137	106	26	0-40

RPD: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/02/2018

Instrument 40GCSK

Lab Sample ID: 40148598005

Duplicate Sample No: 40148598005DUP

Date Analyzed: 03/07/2018

Lab File ID: 030718.B\030718027.D

SDG No.: 40148722

COMPOUND	SAMPLE CONCENTRATION (ug/kg)	DUPLICATE CONCENTRATION (ug/kg)	RPD	RPD LIMITS
PCB-1016 (Aroclor 1016)	<22.8	<22.8		0-40
PCB-1221 (Aroclor 1221)	<22.8	<22.8		0-40
PCB-1232 (Aroclor 1232)	<22.8	<22.8		0-40
PCB-1242 (Aroclor 1242)	<22.8	<22.8		0-40
PCB-1248 (Aroclor 1248)	229	176	26	0-40
PCB-1254 (Aroclor 1254)	253	195	26	0-40
PCB-1260 (Aroclor 1260)	274	211	26	0-40

RPD: 0 out of 3 outside limits.

PCB - FORM III SVOA-2

TISSUE SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Green Bay

Date Extracted: 03/02/2018

Instrument 40GCSK

Lab Sample ID: 40148671004

Duplicate Sample No: 40148671004DUP

Date Analyzed: 03/07/2018

Lab File ID: 030718.B\030718041.D

SDG No.: 40148722

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)	21.8J	26.7J		0-40
PCB-1254 (Aroclor 1254)	31.3J	39.2J		0-40
PCB-1260 (Aroclor 1260)	65.8	84.4	25	0-40

RPD: 0 out of 1 outside limits.

SAMPLE NO.

1653810BLANK

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

Lab Name: Pace Analytical - Green Bay SDG No.: 40148722 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSK Matrix: Tissue Lab Sample ID: 1653810

Lab File ID: 030718.B\030718011.D Date Analyzed: 03/07/2018 Time:14:30

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1653811LCS	1653811	030718.B\030718013.D	03/07/2018 14:46
1653813DUP	1653813	030718.B\030718027.D	03/07/2018 16:39
1653814DUP	1653814	030718.B\030718041.D	03/07/2018 18:32
TZ1-170420-01-STB-20	40148722001	030718.B\030718047.D	03/07/2018 19:20
TZ1-170420-01-STB-19	40148722002	030718.B\030718049.D	03/07/2018 19:37
TZ1-170420-01-STB-18	40148722003	030718.B\030718051.D	03/07/2018 19:53
TZ1-170420-01-STB-17	40148722004	030718.B\030718053.D	03/07/2018 20:09
TZ1-170420-01-STB-16	40148722005	030718.B\030718059.D	03/07/2018 20:57
TZ1-170420-01-STB-15	40148722006	030718.B\030718061.D	03/07/2018 21:13
TZ1-170420-01-STB-14	40148722007	030718.B\030718063.D	03/07/2018 21:29
TZ1-170420-01-STB-13	40148722008	030718.B\030718065.D	03/07/2018 21:46

SAMPLE NO.

1654789BLANK

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

Lab Name: Pace Analytical - Green Bay SDG No.: 40148722 Contract: HUDSON RIVER REMEDIAL

Instrument ID: 40GCSJ Matrix: Tissue Lab Sample ID: 1654789

Lab File ID: 030718.B\030718012.D Date Analyzed: 03/07/2018 Time:14:30

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1654790LCS	1654790	030718.B\030718014.D	03/07/2018 14:46
1654791MS	1654791	030718.B\030718016.D	03/07/2018 15:02
TZ1-170420-01-STB-12	40148722009	030718.B\030718018.D	03/07/2018 15:18
1654792DUP	1654792	030718.B\030718020.D	03/07/2018 15:35
1654793DUP	1654793	030718.B\030718044.D	03/07/2018 18:48

SAMPLE NO.

TZ1-170420-01-STB-20

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722001
Date Analyzed: 03/07/2018 19:20
Lab File ID: 030718.B\030718047.D
Initial wt/vol: 9.9867 g Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	115	
11097-69-1	PCB-1254 (Aroclor 1254)	142	
11096-82-5	PCB-1260 (Aroclor 1260)	174	
1336-36-3	PCB, Total	430	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718047.D
Lab Smp Id: 40148722001 Client Smp ID: TZ1-170420-01-STB-2
Inj Date : 07-MAR-2018 19:20
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722001,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 47
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.987	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.039	15710	11260	0.717	0.01		
1.082	23445	17296	0.738	0.02		
1.125	21395	19078	0.892	0.01		
1.149	14910	13679	0.917	0.01		
1.178	27629	27618	1.000	0.02		
1.206	47708	29021	0.608	0.04		
1.414	13020	12942	0.994	0.01		
1.459	9610	9008	0.937	0.00		
1.730	13603	12400	0.912	0.01		
1.823	366755	392820	1.071	0.33		
2.004	11331	14928	1.317	0.01		
2.061	15212	13664	0.898	0.01		
2.117	14172	12118	0.855	0.01		
2.184	14135	11507	0.814	0.01		
2.230	22813	24994	1.096	0.02		
2.271	14514	11945	0.823	0.01		
2.354	24163	25667	1.062	0.02		
2.381	33613	35367	1.052	0.03		
2.425	14663	12636	0.862	0.01		
2.476	39102	40980	1.048	0.03		
2.550	9306739	9801870	1.053	8.48	$ 2 Tetrachloro-m-xylene	
2.672	9739	6452	0.662	0.00		
2.792	14429	10993	0.762	0.01		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.854	25434	21663	0.852	0.02	
2.910	10704	16510	1.542	0.00	
2.926	53354	36551	0.685	0.04	
2.990	17078	17498	1.025	0.01	
3.048	202903	160960	0.793	0.18	
3.093	62283	60693	0.974	0.05	
3.131	32467	22455	0.692	0.02	
3.263	20968	18398	0.877	0.01	
3.396	111815	113096	1.011	0.10	
3.423	121683	120438	0.990	0.11	
3.514	53897	50922	0.945	0.04	
3.599	134285	121384	0.904	0.12	
3.725	10575	9554	0.903	0.00	
3.812	84865	83505	0.984	0.07	
3.839	46401	43486	0.937	0.04	
3.909	580984	339094	0.584	0.52	
4.021	163826	126391	0.771	0.14	
4.077	121859	104330	0.856	0.11	
4.142	121396	79881	0.658	0.11	
4.223	39753	32082	0.807	0.03	
4.298	914672	855476	0.935	0.83	
4.346	993733	968828	0.975	0.90	6 Aroclor 1248
4.377	839760	675158	0.804	0.76	
4.433	58722	50227	0.855	0.05	
4.503	464076	439036	0.946	0.42	
4.539	311740	299690	0.961	0.28	
4.601	419623	425300	1.014	0.38	
4.631	689678	653561	0.948	0.62	6 Aroclor 1248
4.674	42725	40486	0.948	0.03	
4.705	112380	105143	0.936	0.10	
4.766	74930	75280	1.005	0.06	
4.823	183542	153637	0.837	0.16	
4.853	81959	81639	0.996	0.07	
4.899	408079	395165	0.968	0.37	6 Aroclor 1248
4.934	672741	655092	0.974	0.61	
4.981	1730420	954847	0.552	1.57	6 Aroclor 1248
5.044	490816	428262	0.873	0.44	
5.092	77503	77387	0.998	0.07	
5.125	365490	362734	0.992	0.33	6 Aroclor 1248
5.145	255915	246242	0.962	0.23	
5.186	1364483	1075393	0.788	1.24	
5.247	2439356	2158838	0.885	2.22	7 Aroclor 1254
5.300	2785939	2281201	0.819	2.53	
5.342	261548	246316	0.942	0.23	
5.369	365546	310053	0.848	0.33	
5.402	1735492	1602407	0.923	1.58	
5.451	748175	711145	0.951	0.68	
5.494	877558	813494	0.927	0.79	7 Aroclor 1254
5.538	8880743	8823291	0.994	8.09	
5.570	168440	274892	1.632	0.15	
5.596	2235732	1729515	0.774	2.03	7 Aroclor 1254
5.663	365868	294384	0.805	0.33	
5.691	391178	260733	0.667	0.35	
5.762	1014805	941408	0.928	0.92	
5.797	572944	470450	0.821	0.52	
5.828	944238	642923	0.681	0.86	
5.877	4564212	3804746	0.834	4.16	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.910	1556982	1408303	0.905	1.41	
5.991	998486	716441	0.718	0.91	
6.017	263140	243157	0.924	0.23	
6.054	97037	103964	1.071	0.08	
6.080	1726582	1587552	0.919	1.57	
6.114	1381299	1249533	0.905	1.25	7 Aroclor 1254
6.142	6658265	5658893	0.850	6.06	
6.256	621928	498266	0.801	0.56	
6.273	465960	450918	0.968	0.42	
6.334	1132017	753028	0.665	1.03	
6.387	6345939	5262997	0.829	5.78	8 Aroclor 1260
6.421	518432	482904	0.931	0.47	
6.462	146602	122196	0.834	0.13	
6.498	36119	53247	1.474	0.03	
6.519	796226	561518	0.705	0.72	
6.597	3027480	2630351	0.869	2.75	
6.625	1195282	1142338	0.956	1.08	
6.649	1113122	976728	0.877	1.01	
6.688	459954	322919	0.702	0.41	
6.726	56795	50882	0.896	0.05	
6.748	114334	98115	0.858	0.10	
6.806	535510	472457	0.882	0.48	
6.846	1161460	950467	0.818	1.05	
6.890	837417	769021	0.918	0.76	
6.927	597279	535419	0.896	0.54	
6.975	39916	45662	1.144	0.03	
7.001	223969	221634	0.990	0.20	
7.031	2055548	1924669	0.936	1.87	
7.091	2787617	2552772	0.916	2.54	8 Aroclor 1260
7.122	357646	214410	0.600	0.32	
7.209	53478	49461	0.925	0.04	
7.252	31578	21584	0.684	0.02	
7.339	1136051	1009746	0.889	1.03	8 Aroclor 1260
7.368	320057	265351	0.829	0.29	
7.421	33107	23955	0.724	0.03	
7.476	1136173	995689	0.876	1.03	
7.508	147669	181307	1.228	0.13	
7.529	1179779	1011185	0.857	1.07	8 Aroclor 1260
7.581	358373	285022	0.795	0.32	
7.617	125394	113632	0.906	0.11	
7.648	286622	221206	0.772	0.26	
7.711	85826	51414	0.599	0.07	
7.779	271632	248766	0.916	0.24	
7.815	694797	610416	0.879	0.63	
7.849	79210	71769	0.906	0.07	
7.900	669027	416138	0.622	0.60	
7.951	66545	53401	0.802	0.06	
7.987	907050	756764	0.834	0.82	8 Aroclor 1260
8.044	159632	90165	0.565	0.14	
8.139	48867	35977	0.736	0.04	
8.195	25567	23591	0.923	0.02	
8.235	27724	14414	0.520	0.02	
8.272	25688	29159	1.135	0.02	
8.283	47681	39080	0.820	0.04	
8.321	21015	21901	1.042	0.01	
8.332	17379	24034	1.383	0.01	
8.363	1472434	1291585	0.877	1.34	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.404	39008	28734	0.737	0.03	
8.434	30412	30534	1.004	0.02	
8.463	124136	73325	0.591	0.11	
8.537	117163	47211	0.403	0.10	
8.589	32982	25757	0.781	0.03	
8.659	10869065	9407597	0.866	10.68	$ 12 Decachlorobiphenyl
8.792	128045	102820	0.803	0.11	
8.815	211319	183258	0.867	0.19	
8.927	28768	25806	0.897	0.02	
9.003	12995	9442	0.727	0.01	
9.080	29816	25358	0.850	0.02	
9.140	12756	11528	0.904	0.01	
9.256	107537	96396	0.896	0.09	
9.322	13445	12391	0.922	0.01	
9.375	25537	19302	0.756	0.02	
9.415	26916	22844	0.849	0.02	
9.530	12034	15075	1.253	0.01	
9.552	26772	20638	0.771	0.02	
9.629	26923	22776	0.846	0.02	
9.787	31204	35572	1.140	0.02	
9.826	51660	41569	0.805	0.04	
9.861	9821	8945	0.911	0.00	
	109714709	96815864		100.000	

Total unknown % area = 60

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718047.D
Lab Smp Id: 40148722001 Client Smp ID: TZ1-170420-01-STB-2
Inj Date : 07-MAR-2018 19:20
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722001,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 47
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.987	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			
2.550	2.550	0.000	9306739	0.07859	39			
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			
4.346	4.347	-0.001	993733	0.40020	200	0.00- 20.00	100.00(M)	BA
4.630	4.632	-0.002	689677	0.15478	77	0.00- 20.00	69.40	BA
4.899	4.900	-0.001	408078	0.18966	95	0.00- 20.00	41.07	BA
4.981	4.967	0.014	1730419	0.30681	150	0.00- 20.00	174.13	BA
5.125	5.127	-0.002	365490	0.09272	46	0.00- 20.00	36.78	BA
			Average of Peak Concentrations =		110			
7 Aroclor 1254					CAS #: 11097-69-1			
5.247	5.249	-0.002	2439355	0.42906	210	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	877558	0.18659	93	0.00- 20.00	35.98	BA
5.596	5.598	-0.002	2235731	0.25941	130	0.00- 20.00	91.65	BA
6.113	6.117	-0.004	1381298	0.25720	130	0.00- 20.00	56.63	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
			Average of Peak Concentrations =		140			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	6345939	0.64776	320	0.00- 20.00	100.00(M)	BA
7.091	7.092	-0.001	2787617	0.24263	120	0.00- 20.00	43.93	BA
7.338	7.340	-0.002	1136051	0.20503	100	0.00- 20.00	17.90	BA
7.529	7.531	-0.002	1179778	0.34990	180	0.00- 20.00	18.59	BA
7.986	7.988	-0.002	907049	0.29260	150	0.00- 20.00	14.29	BA
			Average of Peak Concentrations =		170			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	10869064	0.08432	42			

QC Flag Legend

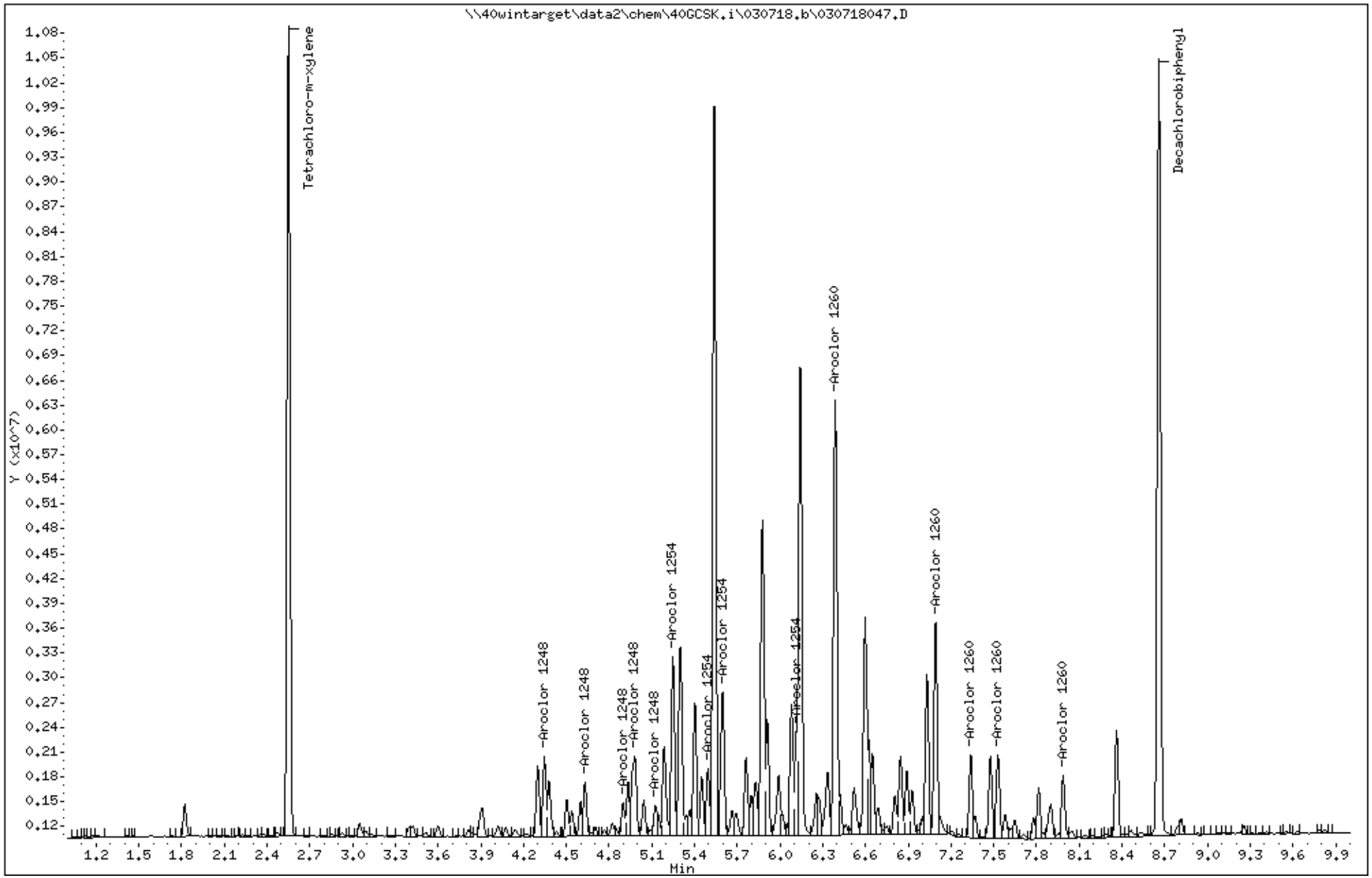
M - Compound response manually integrated.

Review Codes Legend

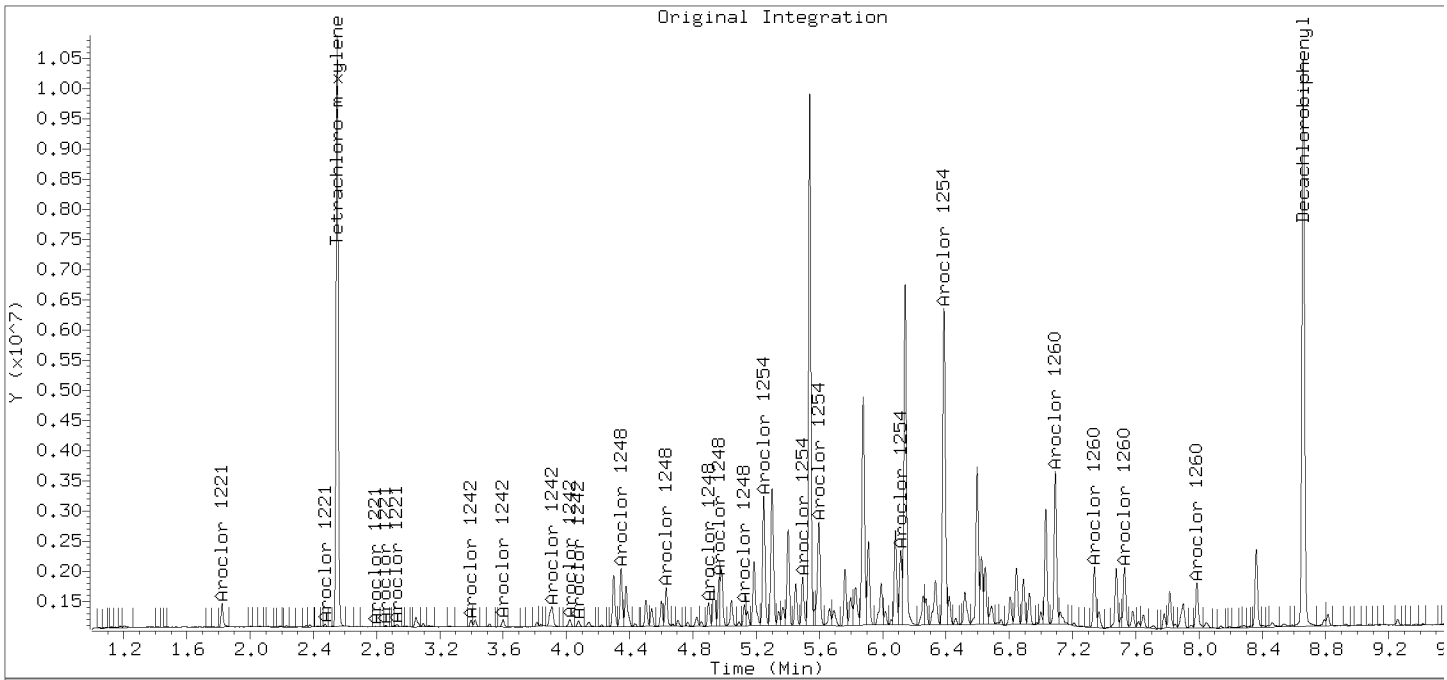
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

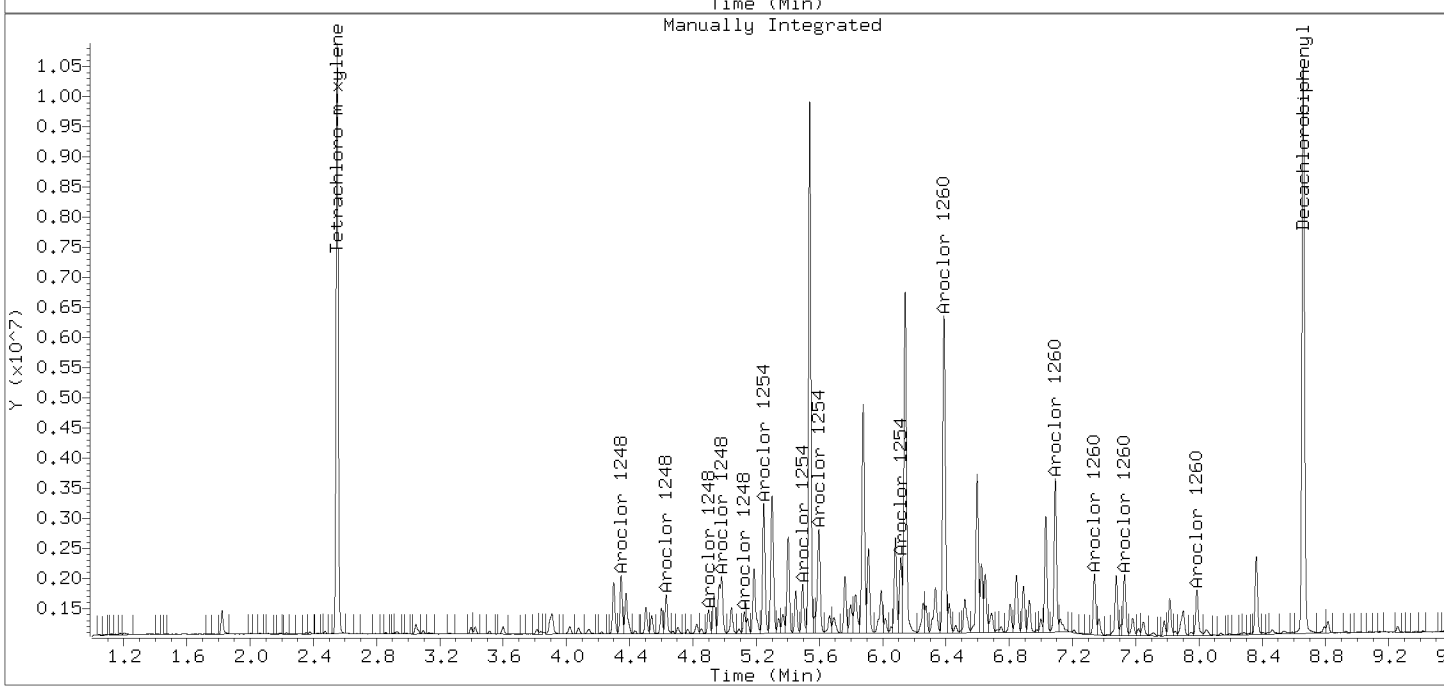
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718047.D
Date : 07-MAR-2018 19:20
Client ID: TZ1-170420-01-STB-2
Sample Info: 40148722001,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718047.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 19:20 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722001





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	111815	0	
Aroclor 1016	111815	0	
Aroclor 1016	111815	0	
Aroclor 1016	111815	0	
Aroclor 1016	111815	0	
Aroclor 1221	366754	0	
Aroclor 1221	366754	0	
Aroclor 1221	366754	0	
Aroclor 1221	366754	0	
Aroclor 1221	366754	0	
Aroclor 1232	53353	0	
Aroclor 1232	53353	0	
Aroclor 1232	53353	0	
Aroclor 1232	53353	0	

Aroclor 1232	53353	0	
Aroclor 1242	111815	0	
Aroclor 1242	111815	0	
Aroclor 1242	111815	0	
Aroclor 1242	111815	0	
Aroclor 1242	111815	0	
Aroclor 1248	977875	993733	BA
Aroclor 1248	977875	993733	BA
Aroclor 1248	977875	993733	BA
Aroclor 1248	977875	993733	BA
Aroclor 1248	977875	993733	BA
Aroclor 1254	2400617	2439355	BA
Aroclor 1254	2400617	2439355	BA
Aroclor 1254	2400617	2439355	BA
Aroclor 1254	2400617	2439355	BA
Aroclor 1254	2400617	2439355	BA
Aroclor 1260	6285047	6345939	BA
Aroclor 1260	6285047	6345939	BA
Aroclor 1260	6285047	6345939	BA
Aroclor 1260	6285047	6345939	BA
Aroclor 1260	6285047	6345939	BA
Tetrachloro-m-xylene	9306739	9306739	
Decachlorobiphenyl	10869064	10869064	

==========

SAMPLE NO.

TZ1-170420-01-STB-19

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722002
Date Analyzed: 03/07/2018 19:37
Lab File ID: 030718.B\030718049.D
Initial wt/vol: 9.9641 g Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	52.6	
11097-69-1	PCB-1254 (Aroclor 1254)	78.1	
11096-82-5	PCB-1260 (Aroclor 1260)	116	
1336-36-3	PCB, Total	246	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718049.D
Lab Smp Id: 40148722002 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 19:37
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722002,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 49
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.964	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.019	24514	18932	0.772	0.03		
1.039	12077	12052	0.998	0.01		
1.091	36052	25337	0.703	0.05		
1.125	53132	44257	0.833	0.07		
1.152	14401	15988	1.110	0.02		
1.182	28715	23154	0.806	0.04		
1.204	50452	32895	0.652	0.07		
1.410	12732	12391	0.973	0.01		
1.822	263524	264326	1.003	0.36		
1.879	15850	10803	0.682	0.02		
2.119	10735	10444	0.973	0.01		
2.230	20847	20151	0.967	0.02		
2.265	14694	11225	0.764	0.02		
2.356	18098	20055	1.108	0.02		
2.380	20859	23599	1.131	0.02		
2.474	40211	43904	1.092	0.05		
2.550	8432910	8879173	1.053	11.77	$ 2 Tetrachloro-m-xylene	
2.857	24855	21453	0.863	0.03		
2.910	9998	13096	1.310	0.01		
2.928	32972	26004	0.789	0.04		
3.049	167919	141928	0.845	0.23		
3.095	30045	33772	1.124	0.04		
3.153	10898	13344	1.224	0.01		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.396	30049	33085	1.101	0.04	3 Aroclor 1242
3.423	28294	25990	0.919	0.03	
3.599	38534	29952	0.777	0.05	3 Aroclor 1242
3.812	34991	31529	0.901	0.04	
3.908	291836	174682	0.599	0.40	3 Aroclor 1242
4.016	150457	58040	0.386	0.21	3 Aroclor 1242
4.079	81488	48181	0.591	0.11	3 Aroclor 1242
4.134	48162	28737	0.597	0.06	
4.299	341238	310225	0.909	0.47	
4.346	351212	334079	0.951	0.49	6 Aroclor 1248
4.376	300685	221677	0.737	0.41	
4.436	52855	41004	0.776	0.07	
4.503	202092	185197	0.916	0.28	
4.539	138881	133061	0.958	0.19	
4.600	263582	250753	0.951	0.36	
4.631	271106	246900	0.911	0.37	6 Aroclor 1248
4.675	22513	21859	0.971	0.03	
4.705	41625	38288	0.920	0.05	
4.767	34750	36569	1.052	0.04	
4.825	119739	101505	0.848	0.16	
4.854	53605	47475	0.886	0.07	
4.899	235250	217715	0.925	0.32	6 Aroclor 1248
4.934	396727	384640	0.970	0.55	
4.966	887030	452512	0.510	1.23	6 Aroclor 1248
5.043	252489	203518	0.806	0.35	
5.092	54188	53482	0.987	0.07	
5.125	218500	212671	0.973	0.30	6 Aroclor 1248
5.149	394167	288475	0.732	0.55	
5.186	943460	667343	0.707	1.31	
5.248	1375990	1211519	0.880	1.92	7 Aroclor 1254
5.301	1721554	1386091	0.805	2.40	
5.342	156866	143944	0.918	0.21	
5.370	213597	188709	0.883	0.29	
5.403	1010687	945466	0.935	1.41	
5.450	425833	373229	0.876	0.59	
5.495	455063	425912	0.936	0.63	7 Aroclor 1254
5.539	4728126	4726848	1.000	6.60	
5.597	1289160	959109	0.744	1.80	7 Aroclor 1254
5.646	33976	45359	1.335	0.04	
5.664	212111	197104	0.929	0.29	
5.689	257778	162368	0.630	0.35	
5.761	546535	513667	0.940	0.76	
5.798	281603	233955	0.831	0.39	
5.828	560092	387598	0.692	0.78	
5.878	2597316	2159761	0.832	3.62	
5.911	959800	862566	0.899	1.34	
5.990	602223	437781	0.727	0.84	
6.017	162813	147385	0.905	0.22	
6.056	74056	76517	1.033	0.10	
6.080	1118684	1042750	0.932	1.56	
6.115	718690	682060	0.949	1.00	7 Aroclor 1254
6.143	4145274	3595333	0.867	5.78	
6.206	124816	82665	0.662	0.17	
6.257	345782	264801	0.766	0.48	
6.275	283254	264676	0.934	0.39	
6.333	600878	387690	0.645	0.83	
6.388	3683821	3062187	0.831	5.14	8 Aroclor 1260

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.422	282475	258457	0.915	0.39	
6.462	82261	69696	0.847	0.11	
6.519	527063	358858	0.681	0.73	
6.598	2065502	1808355	0.876	2.88	
6.626	620426	625182	1.008	0.86	
6.648	711098	619267	0.871	0.99	
6.691	255916	184566	0.721	0.35	
6.721	27947	24727	0.885	0.03	
6.747	66481	55530	0.835	0.09	
6.806	320532	267366	0.834	0.44	
6.847	681611	590486	0.866	0.95	
6.891	502931	461673	0.918	0.70	
6.926	434262	398356	0.917	0.60	
6.976	22915	28711	1.253	0.03	
7.000	174091	168839	0.970	0.24	
7.032	873640	856171	0.980	1.21	
7.092	1793950	1620917	0.904	2.50	8 Aroclor 1260
7.122	197483	133376	0.675	0.27	
7.163	14716	17734	1.205	0.02	
7.209	40569	34843	0.859	0.05	
7.253	25613	15697	0.613	0.03	
7.339	719472	644894	0.896	1.00	8 Aroclor 1260
7.369	230493	179932	0.781	0.32	
7.423	37718	29680	0.787	0.05	
7.478	931976	793338	0.851	1.30	
7.508	88584	122215	1.380	0.12	
7.530	887960	773424	0.871	1.23	8 Aroclor 1260
7.581	245536	188204	0.767	0.34	
7.615	96067	83211	0.866	0.13	
7.649	173907	119086	0.685	0.24	
7.710	72877	36669	0.503	0.10	
7.779	214898	183219	0.853	0.30	
7.815	612401	543611	0.888	0.85	
7.852	62351	54054	0.867	0.08	
7.891	402260	224514	0.558	0.56	
7.950	78905	66351	0.841	0.11	
7.987	700356	566826	0.809	0.97	8 Aroclor 1260
8.050	104043	65386	0.628	0.14	
8.138	50729	43331	0.854	0.07	
8.195	18404	16155	0.878	0.02	
8.287	38741	27967	0.722	0.05	
8.361	1230918	1111643	0.903	1.71	
8.406	12647	14310	1.131	0.01	
8.463	63290	55920	0.884	0.08	
8.536	16918	17173	1.015	0.02	
8.659	9866433	8514570	0.863	14.43	$ 12 Decachlorobiphenyl
8.793	87724	86437	0.985	0.12	
8.815	187684	156394	0.833	0.26	
8.930	22475	20501	0.912	0.03	
9.082	30944	23505	0.760	0.04	
9.143	35600	31328	0.880	0.04	
9.257	88638	83643	0.944	0.12	
9.318	10830	10960	1.012	0.01	
9.374	12295	13544	1.102	0.01	
9.418	25541	21733	0.851	0.03	
9.549	17909	16226	0.906	0.02	
9.625	20073	19865	0.990	0.02	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.785	32007	32483	1.015	0.04	
9.826	54809	47333	0.864	0.07	
	71618262	63202919		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718049.D
Lab Smp Id: 40148722002 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 19:37
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722002,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 49
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.964	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			
2.549	2.550	-0.001	8432910	0.07121	36			
3 Aroclor 1242					CAS #: 53469-21-9			
Qualifier signal(s) failed ratio test.								BA
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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.346	4.347	-0.001	351212	0.14144	71	0.00- 20.00	100.00(M)	BA
4.631	4.632	-0.001	271105	0.06084	30	0.00- 20.00	77.19	BA
4.899	4.900	-0.001	235249	0.10933	55	0.00- 20.00	66.98	BA
4.966	4.967	-0.001	887030	0.15728	79	0.00- 20.00	252.56	BA
5.125	5.127	-0.002	218499	0.05543	28	0.00- 20.00	62.21	BA
		Average of Peak Concentrations =			53			
7 Aroclor 1254					CAS #: 11097-69-1			
5.247	5.249	-0.002	1375990	0.24202	120	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	455063	0.09676	48	0.00- 20.00	33.07	BA
5.597	5.598	-0.001	1289159	0.14958	75	0.00- 20.00	93.69	BA
6.114	6.117	-0.003	718689	0.13382	67	0.00- 20.00	52.23	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
		Average of Peak Concentrations =			78			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	3683821	0.37603	190	0.00- 20.00	100.00(M)	BA
7.091	7.092	-0.001	1793950	0.15615	78	0.00- 20.00	48.70	BA
7.339	7.340	-0.001	719471	0.12985	65	0.00- 20.00	19.53	BA
7.530	7.531	-0.001	887959	0.26335	130	0.00- 20.00	24.10	BA
7.987	7.988	-0.001	700355	0.22593	110	0.00- 20.00	19.01	BA
		Average of Peak Concentrations =			120			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.658	8.660	-0.002	9866432	0.07654	38			

QC Flag Legend

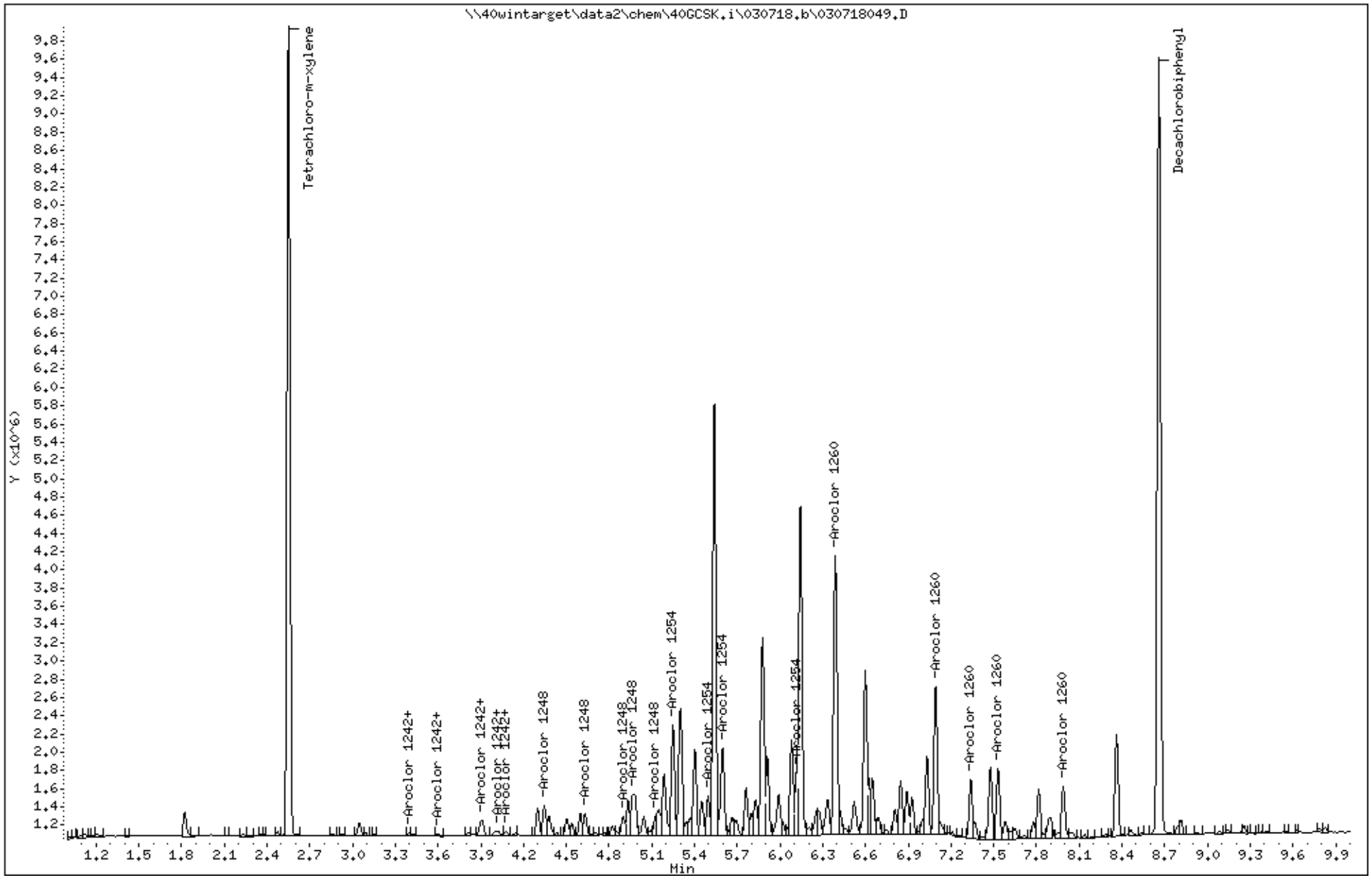
M - Compound response manually integrated.

Review Codes Legend

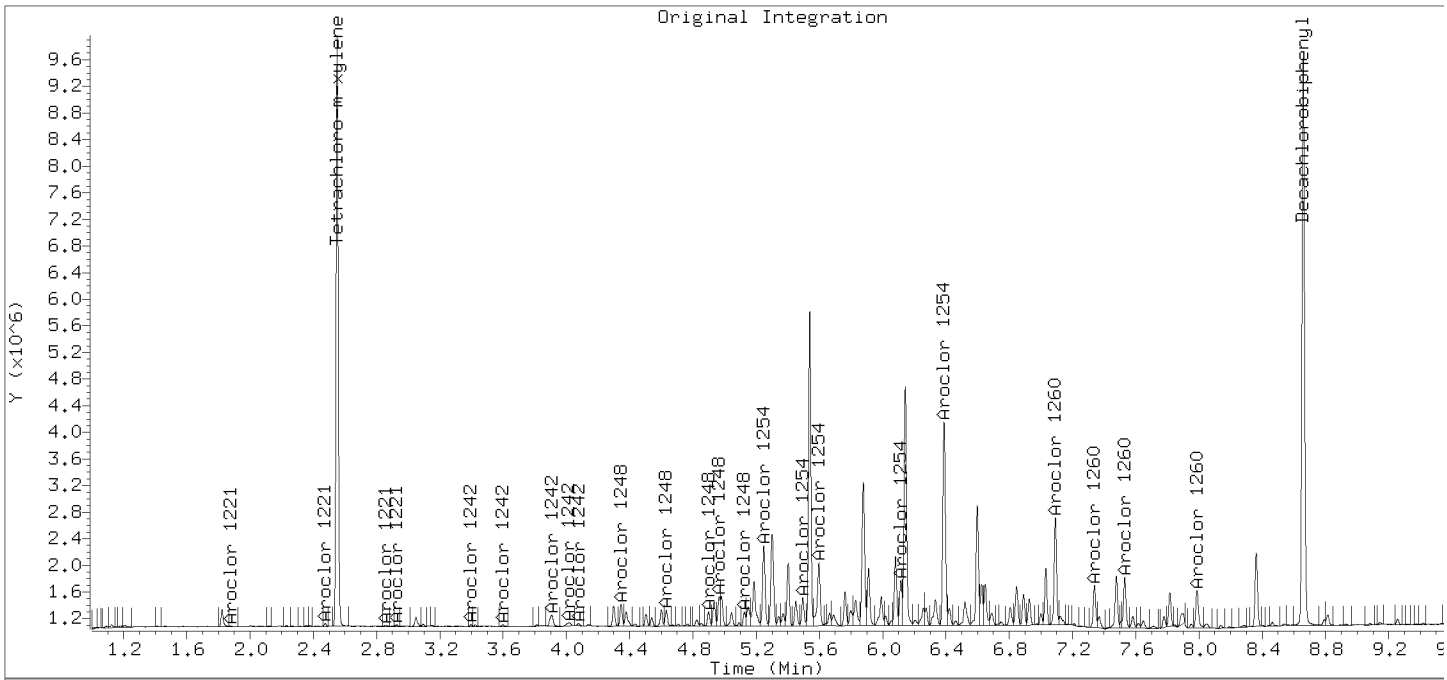
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

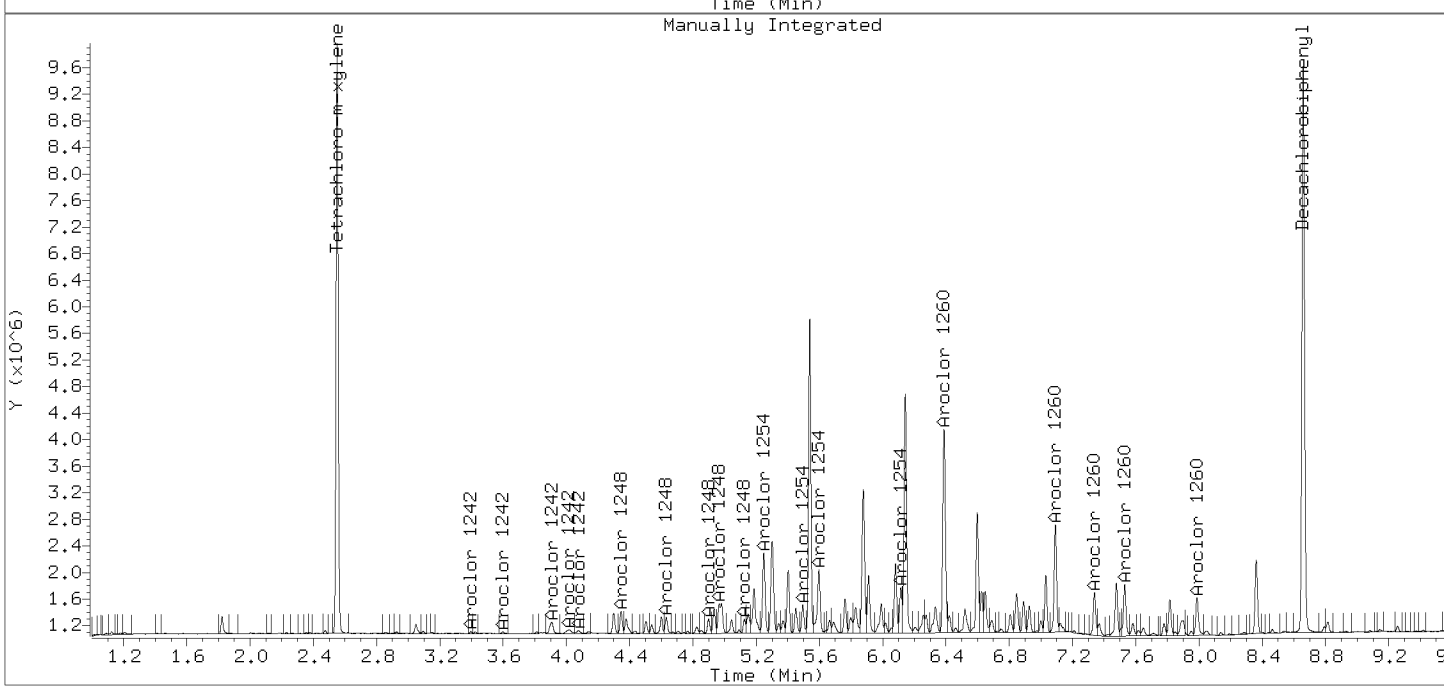
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718049.D
Date : 07-MAR-2018 19:37
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722002,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718049.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 19:37 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722002





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	15849	0	
Aroclor 1221	15849	0	
Aroclor 1221	15849	0	
Aroclor 1221	15849	0	
Aroclor 1221	15849	0	
Aroclor 1232	32972	0	
Aroclor 1232	32972	0	
Aroclor 1232	32972	0	
Aroclor 1232	32972	0	

Aroclor 1232	32972	0	
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1248	341139	351212	BA
Aroclor 1248	341139	351212	BA
Aroclor 1248	341139	351212	BA
Aroclor 1248	341139	351212	BA
Aroclor 1248	341139	351212	BA
Aroclor 1254	1359912	1375990	BA
Aroclor 1254	1359912	1375990	BA
Aroclor 1254	1359912	1375990	BA
Aroclor 1254	1359912	1375990	BA
Aroclor 1254	1359912	1375990	BA
Aroclor 1260	3665609	3683821	BA
Aroclor 1260	3665609	3683821	BA
Aroclor 1260	3665609	3683821	BA
Aroclor 1260	3665609	3683821	BA
Aroclor 1260	3665609	3683821	BA
Tetrachloro-m-xylene	8432910	8432910	
Decachlorobiphenyl	9866432	9866432	

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SAMPLE NO.

TZ1-170420-01-STB-18

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722003
Date Analyzed: 03/07/2018 19:53
Lab File ID: 030718.B\030718051.D
Initial wt/vol: 9.9603 g Final wt/vol: 5 mL Dilution: 2
Instrument: 40GCSK Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	<22.9	U
11104-28-2	PCB-1221 (Aroclor 1221)	<22.9	U
11141-16-5	PCB-1232 (Aroclor 1232)	<22.9	U
53469-21-9	PCB-1242 (Aroclor 1242)	<22.9	U
12672-29-6	PCB-1248 (Aroclor 1248)	196	
11097-69-1	PCB-1254 (Aroclor 1254)	225	
11096-82-5	PCB-1260 (Aroclor 1260)	274	
1336-36-3	PCB, Total	694	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718051.D
Lab Smp Id: 40148722003 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 19:53
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722003 x2,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 51
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) * CpndVar

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.960	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.019	35649	28958	0.812	0.04		
1.044	22546	17094	0.758	0.02		
1.090	33155	30666	0.925	0.04		
1.124	65548	67558	1.031	0.08		
1.152	32206	33853	1.051	0.03		
1.175	32724	29826	0.911	0.04		
1.213	195145	162442	0.832	0.24		
1.361	14584	10449	0.716	0.01		
1.412	10179	9334	0.917	0.01		
1.576	12389	8045	0.649	0.01		
1.822	332164	313776	0.945	0.40		
2.001	13854	11974	0.864	0.01		
2.061	23844	18636	0.782	0.02		
2.114	12094	8997	0.744	0.01		
2.234	16315	15591	0.956	0.02		
2.266	11248	9606	0.854	0.01		
2.353	11995	12886	1.074	0.01		
2.376	12596	13290	1.055	0.01		
2.430	12429	10055	0.809	0.01		
2.475	55955	43806	0.783	0.06		
2.550	4785390	5039534	1.053	5.89	$ 2 Tetrachloro-m-xylene	
2.860	18090	13574	0.750	0.02		
2.927	28130	22574	0.802	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.048	151440	109588	0.724	0.18	
3.095	49453	53280	1.077	0.06	
3.131	16965	18201	1.073	0.02	
3.151	23255	21775	0.936	0.02	
3.240	10339	9498	0.919	0.01	
3.265	20555	15882	0.773	0.02	
3.395	93246	90015	0.965	0.11	
3.423	93537	91257	0.976	0.11	
3.515	42548	38732	0.910	0.05	
3.600	102329	90624	0.886	0.12	
3.814	135194	130652	0.966	0.16	
3.837	103800	84528	0.814	0.12	
3.908	633493	362219	0.572	0.77	
4.020	116155	82009	0.706	0.14	
4.077	106768	86799	0.813	0.13	
4.143	63879	47027	0.736	0.07	
4.221	26982	22208	0.823	0.03	
4.299	729129	680015	0.933	0.89	
4.345	844093	823320	0.975	1.03	6 Aroclor 1248
4.377	675733	542045	0.802	0.83	
4.434	54595	45714	0.837	0.06	
4.503	386753	364993	0.944	0.47	
4.539	279533	252534	0.903	0.34	
4.600	773251	804163	1.040	0.95	
4.631	579802	535974	0.924	0.71	6 Aroclor 1248
4.674	45611	41739	0.915	0.05	
4.705	93894	83307	0.887	0.11	
4.768	74978	69195	0.923	0.09	
4.824	160235	125698	0.784	0.19	
4.854	72861	71856	0.986	0.08	
4.898	371887	354534	0.953	0.45	6 Aroclor 1248
4.933	521069	505062	0.969	0.64	
4.980	1436627	737673	0.513	1.76	6 Aroclor 1248
5.044	411757	346242	0.841	0.50	
5.091	65310	64863	0.993	0.08	
5.125	302477	290183	0.959	0.37	6 Aroclor 1248
5.145	205212	198148	0.966	0.25	
5.187	1057887	839861	0.794	1.30	
5.248	2003696	1778942	0.888	2.46	7 Aroclor 1254
5.300	2377134	1988085	0.836	2.92	
5.342	190362	184286	0.968	0.23	
5.370	296883	264413	0.891	0.36	
5.402	1218386	1152597	0.946	1.49	
5.450	636312	584877	0.919	0.78	
5.495	697981	641345	0.919	0.85	7 Aroclor 1254
5.539	6478047	6437946	0.994	8.71	
5.569	112397	207428	1.845	0.13	
5.597	1780029	1435264	0.806	2.19	7 Aroclor 1254
5.662	320166	245736	0.768	0.39	
5.690	301997	209571	0.694	0.37	
5.762	776049	722462	0.931	0.95	
5.798	367019	292725	0.798	0.45	
5.830	786748	547731	0.696	0.96	
5.876	3684685	3104342	0.842	4.53	
5.910	1033472	941955	0.911	1.27	
5.990	720123	535193	0.743	0.88	
6.018	209493	191188	0.913	0.25	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.054	52515	65964	1.256	0.06	
6.080	1461401	1311029	0.897	1.79	
6.115	1018114	947418	0.931	1.25	7 Aroclor 1254
6.142	5510358	4728925	0.858	6.78	
6.257	466823	370867	0.794	0.57	
6.273	320442	314769	0.982	0.39	
6.332	764223	487855	0.638	0.94	
6.387	5043002	4388078	0.870	6.20	8 Aroclor 1260
6.421	396458	381718	0.963	0.48	
6.461	112369	91794	0.817	0.13	
6.519	632243	429974	0.680	0.77	
6.577	92266	90685	0.983	0.11	
6.597	2306724	2101055	0.911	2.83	
6.624	959107	916221	0.955	1.18	
6.648	870129	757054	0.870	1.07	
6.690	275507	220930	0.802	0.33	
6.748	85264	71273	0.836	0.10	
6.806	360658	321462	0.891	0.44	
6.846	822810	683740	0.831	1.01	
6.891	661438	622139	0.941	0.81	
6.927	468462	413376	0.882	0.57	
6.972	25308	28592	1.130	0.03	
7.000	174411	174569	1.001	0.21	
7.031	1395877	1309604	0.938	1.71	
7.091	2206016	1969003	0.893	2.71	8 Aroclor 1260
7.123	226680	155697	0.687	0.27	
7.207	41606	35091	0.843	0.05	
7.254	20069	13866	0.691	0.02	
7.338	894090	819266	0.916	1.10	8 Aroclor 1260
7.367	256627	207581	0.809	0.31	
7.421	28295	22126	0.782	0.03	
7.476	913783	794396	0.869	1.12	
7.510	79195	103470	1.307	0.09	
7.530	914014	803783	0.879	1.12	8 Aroclor 1260
7.580	260481	212886	0.817	0.32	
7.616	102244	86033	0.841	0.12	
7.648	162082	109534	0.676	0.19	
7.709	67150	37215	0.554	0.08	
7.744	9206	10615	1.153	0.01	
7.780	208941	187298	0.896	0.25	
7.815	523280	460794	0.881	0.64	
7.849	64149	55732	0.869	0.07	
7.899	482390	291048	0.603	0.59	
7.946	58068	47017	0.810	0.07	
7.987	691670	595999	0.862	0.85	8 Aroclor 1260
8.045	116505	67362	0.578	0.14	
8.139	35208	29038	0.825	0.04	
8.189	19028	17975	0.945	0.02	
8.285	25003	21678	0.867	0.03	
8.361	1051620	974213	0.926	1.29	
8.436	17274	18768	1.086	0.02	
8.463	56264	44201	0.786	0.06	
8.537	12944	13369	1.033	0.01	
8.659	6156984	5278931	0.857	7.57	$ 12 Decachlorobiphenyl
8.792	82996	75997	0.916	0.10	
8.815	168509	144201	0.856	0.20	
8.929	25926	20294	0.783	0.03	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.084	22783	18165	0.797	0.02	
9.140	15824	14464	0.914	0.01	
9.255	70498	62018	0.880	0.08	
9.365	12253	8594	0.701	0.01	
9.415	15495	15617	1.008	0.01	
9.629	29048	21942	0.755	0.03	
9.651	14041	10748	0.765	0.01	
9.684	15259	10396	0.681	0.01	
9.788	29822	26896	0.902	0.03	
9.826	46762	32283	0.690	0.05	
	81237832	71704714		100.000	

Total unknown % area = 63

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718051.D
Lab Smp Id: 40148722003 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 19:53
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722003 x2,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 51
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) * CpndVar

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.960	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

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/ml)	FINAL (ug/Kg)	TARGET RANGE	RATIO	REVIEW CODE
2.550	2.550	0.000	4785390	0.04041	40			

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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			
4.345	4.347	-0.002	844092	0.33993	340	0.00- 20.00	100.00(M)	BA
4.631	4.632	-0.001	579801	0.13012	130	0.00- 20.00	68.69	BA
4.898	4.900	-0.002	371886	0.17284	170	0.00- 20.00	44.06	BA
4.980	4.967	0.013	1436627	0.25472	260	0.00- 20.00	170.20	BA
5.125	5.127	-0.002	302477	0.07674	77	0.00- 20.00	35.83	BA
			Average of Peak Concentrations =		200			
7 Aroclor 1254					CAS #: 11097-69-1			
5.248	5.249	-0.001	2003695	0.35243	350	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	697981	0.14841	150	0.00- 20.00	34.83	BA
5.596	5.598	-0.002	1780029	0.20653	210	0.00- 20.00	88.84	BA
6.115	6.117	-0.002	1018114	0.18958	190	0.00- 20.00	50.81	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
			Average of Peak Concentrations =		220			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	5043002	0.51477	520	0.00- 20.00	100.00(M)	CO
7.091	7.092	-0.001	2206015	0.19201	190	0.00- 20.00	43.74	CO
7.338	7.340	-0.002	894090	0.16136	160	0.00- 20.00	17.73	CO
7.529	7.531	-0.002	914014	0.27108	270	0.00- 20.00	18.12	CO
7.986	7.988	-0.002	691669	0.22313	220	0.00- 20.00	13.72	CO
			Average of Peak Concentrations =		270			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6156984	0.04776	48			

QC Flag Legend

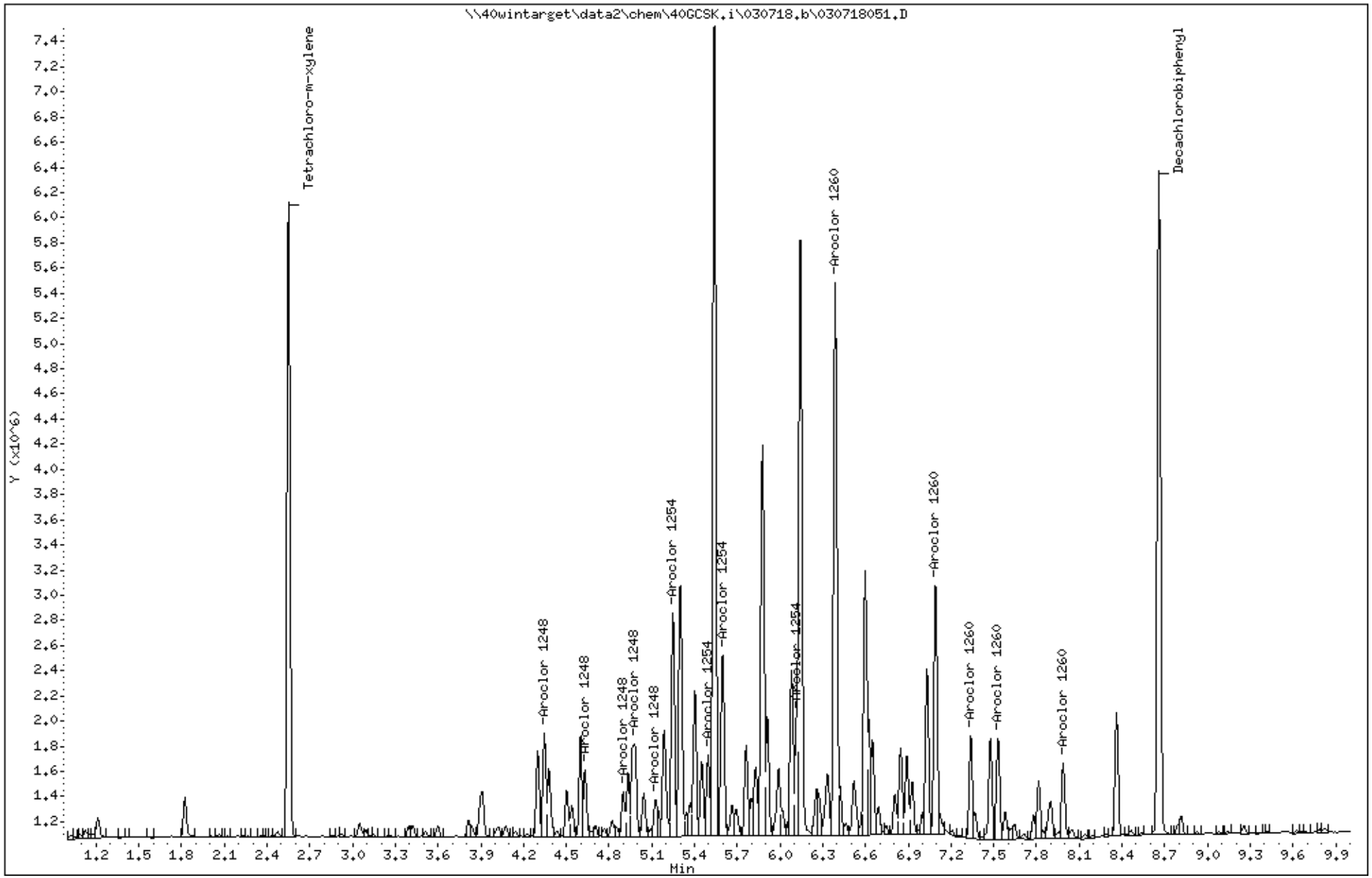
M - Compound response manually integrated.

Review Codes Legend

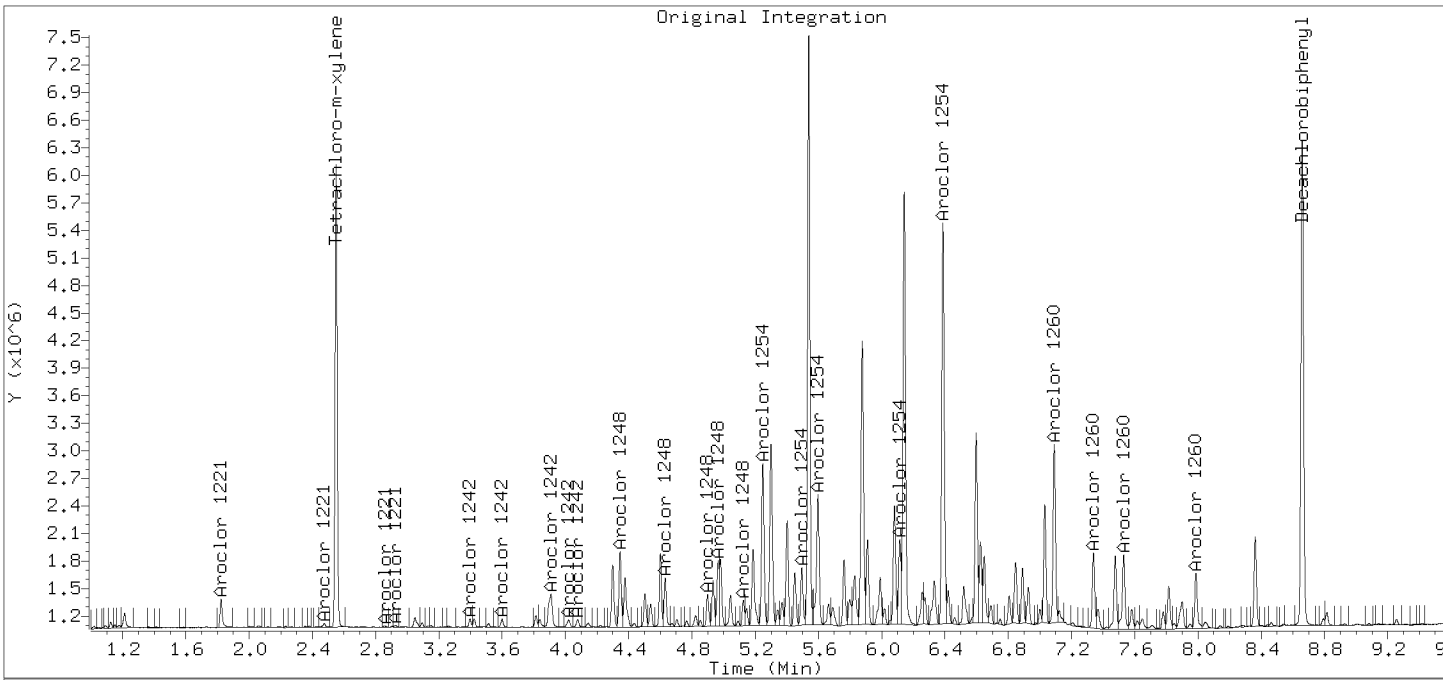
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

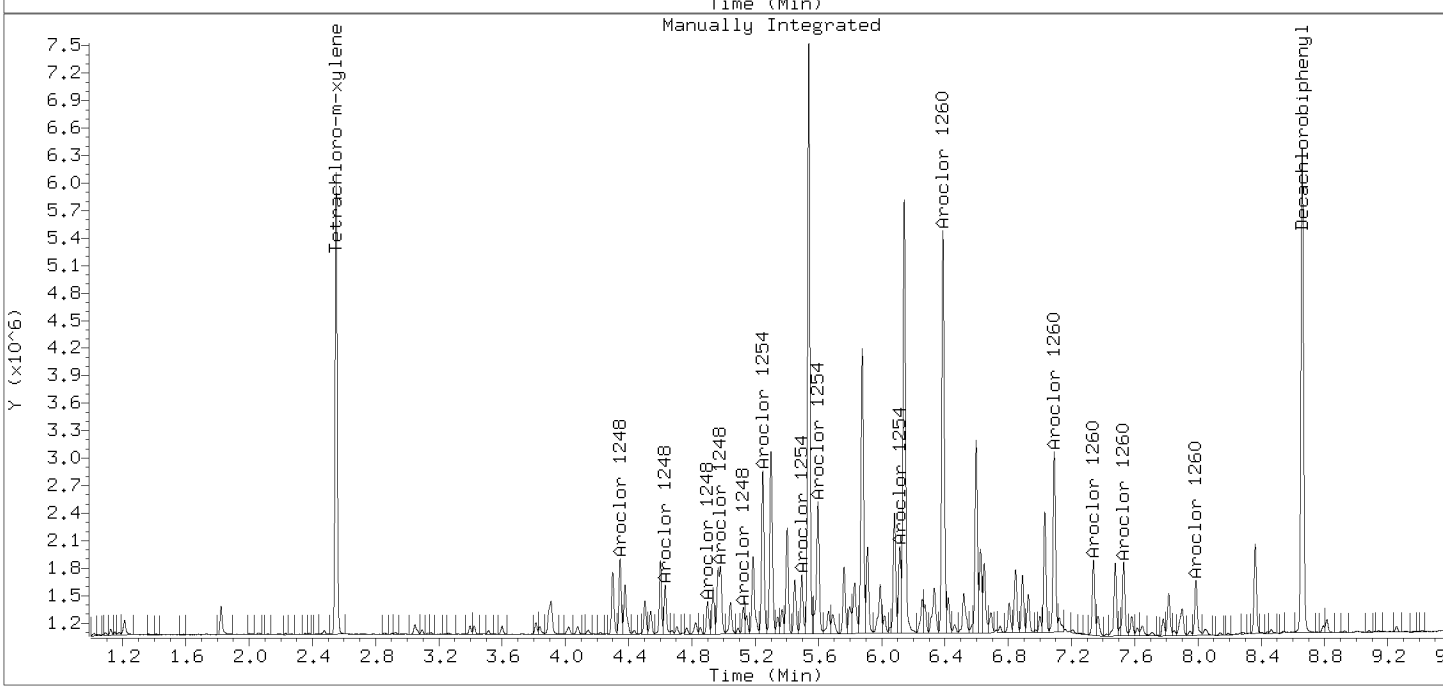
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718051.D
Date : 07-MAR-2018 19:53
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722003 x2,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718051.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 19:53 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722003





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	93245	0	
Aroclor 1016	93245	0	
Aroclor 1016	93245	0	
Aroclor 1016	93245	0	
Aroclor 1016	93245	0	
Aroclor 1221	332164	0	
Aroclor 1221	332164	0	
Aroclor 1221	332164	0	
Aroclor 1221	332164	0	
Aroclor 1221	332164	0	
Aroclor 1232	28130	0	
Aroclor 1232	28130	0	
Aroclor 1232	28130	0	
Aroclor 1232	28130	0	

Aroclor 1232	28130	0	
Aroclor 1242	93245	0	
Aroclor 1242	93245	0	
Aroclor 1242	93245	0	
Aroclor 1242	93245	0	
Aroclor 1242	93245	0	
Aroclor 1248	836343	844092	BA
Aroclor 1248	836343	844092	BA
Aroclor 1248	836343	844092	BA
Aroclor 1248	836343	844092	BA
Aroclor 1248	836343	844092	BA
Aroclor 1254	1959666	2003695	BA
Aroclor 1254	1959666	2003695	BA
Aroclor 1254	1959666	2003695	BA
Aroclor 1254	1959666	2003695	BA
Aroclor 1254	1959666	2003695	BA
Aroclor 1260	4968163	5043002	CO
Aroclor 1260	4968163	5043002	CO
Aroclor 1260	4968163	5043002	CO
Aroclor 1260	4968163	5043002	CO
Aroclor 1260	4968163	5043002	CO
Tetrachloro-m-xylene	4785390	4785390	
Decachlorobiphenyl	6156984	6156984	

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SAMPLE NO.

TZ1-170420-01-STB-17

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722004
Date Analyzed: 03/07/2018 20:09
Lab File ID: 030718.B\030718053.D
Initial wt/vol: 9.9858 g Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	30.6	J
11097-69-1	PCB-1254 (Aroclor 1254)	47.8	J
11096-82-5	PCB-1260 (Aroclor 1260)	102	
1336-36-3	PCB, Total	181	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718053.D
Lab Smp Id: 40148722004 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 20:09
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722004,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 53
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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
1.021	20112	21407	1.064	0.03		
1.092	53075	41271	0.778	0.08		
1.125	82836	86579	1.045	0.12		
1.155	18563	18697	1.007	0.02		
1.180	33116	32529	0.982	0.04		
1.208	42950	36371	0.847	0.06		
1.362	27780	17937	0.646	0.04		
1.465	16559	19561	1.181	0.02		
1.590	12279	14139	1.151	0.01		
1.729	18436	18563	1.007	0.02		
1.821	66967	81609	1.219	0.10		
1.882	11929	12181	1.021	0.01		
2.002	15550	18559	1.194	0.02		
2.119	25578	23142	0.905	0.03		
2.184	40846	25059	0.613	0.06		
2.231	28138	33051	1.175	0.04		
2.270	10508	11170	1.063	0.01		
2.317	10572	11488	1.087	0.01		
2.356	35965	36653	1.019	0.05		
2.380	45565	49065	1.077	0.06		
2.422	13066	12441	0.952	0.01		
2.456	10741	20221	1.883	0.01		
2.476	64216	61418	0.956	0.09		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.503	16174	12834	0.793	0.02	
2.550	12015986	12615138	1.050	18.14	$ 2 Tetrachloro-m-xyle
2.617	38638	23504	0.608	0.05	
2.673	23479	13788	0.587	0.03	
2.712	28601	22482	0.786	0.04	
2.791	15563	12435	0.799	0.02	
2.858	32144	26830	0.835	0.04	
2.911	11966	14486	1.211	0.01	
2.930	38316	33641	0.878	0.05	
2.991	13178	13163	0.999	0.01	
3.049	196438	148888	0.758	0.29	
3.095	34003	36591	1.076	0.05	
3.150	40438	28603	0.707	0.06	
3.237	19014	16978	0.893	0.02	
3.325	27617	19209	0.696	0.04	
3.398	33243	27585	0.830	0.05	3 Aroclor 1242
3.420	21871	23631	1.080	0.03	
3.510	11727	10960	0.935	0.01	
3.599	31547	26005	0.824	0.04	3 Aroclor 1242
3.813	30236	24108	0.797	0.04	
3.858	42809	26709	0.624	0.06	
3.904	210133	115450	0.549	0.31	3 Aroclor 1242
4.015	40046	29362	0.733	0.06	3 Aroclor 1242
4.079	28476	25602	0.899	0.04	3 Aroclor 1242
4.139	33407	22189	0.664	0.05	
4.300	208503	185776	0.891	0.31	
4.345	194307	185943	0.957	0.29	6 Aroclor 1248
4.378	155868	109207	0.701	0.23	
4.433	50900	42155	0.828	0.07	
4.504	130637	108607	0.831	0.19	
4.541	82120	75671	0.921	0.12	
4.581	17042	22504	1.321	0.02	
4.599	51837	45733	0.882	0.07	
4.632	142081	135428	0.953	0.21	6 Aroclor 1248
4.656	10544	15445	1.465	0.01	
4.707	21257	20149	0.948	0.03	
4.747	16646	17442	1.048	0.02	
4.769	19623	18582	0.947	0.02	
4.825	90481	77736	0.859	0.13	
4.850	35771	31286	0.875	0.05	
4.898	130605	117497	0.900	0.19	6 Aroclor 1248
4.933	240258	224595	0.935	0.36	
4.981	527872	296502	0.562	0.79	6 Aroclor 1248
5.044	170296	125210	0.735	0.25	
5.092	43458	40699	0.937	0.06	
5.125	162729	151930	0.934	0.24	6 Aroclor 1248
5.145	103468	107348	1.038	0.15	
5.186	507124	393763	0.776	0.76	
5.249	799874	740743	0.926	1.20	7 Aroclor 1254
5.302	1047860	829311	0.791	1.58	
5.343	118373	111279	0.940	0.17	
5.369	130943	113692	0.868	0.19	
5.402	735401	694458	0.944	1.11	
5.450	257401	213595	0.830	0.38	
5.495	269911	242499	0.898	0.40	7 Aroclor 1254
5.539	3146779	3118157	0.991	4.75	
5.596	821606	583869	0.711	1.24	7 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.645	40585	49340	1.216	0.06	
5.664	146646	136246	0.929	0.22	
5.688	230392	146855	0.637	0.34	
5.762	365043	334935	0.918	0.55	
5.798	250832	195920	0.781	0.37	
5.829	342954	231954	0.676	0.51	
5.877	1690000	1403924	0.831	2.55	
5.912	787093	703664	0.894	1.18	
5.991	427746	302293	0.707	0.64	
6.019	128727	112573	0.875	0.19	
6.055	52665	60951	1.157	0.07	
6.080	836016	761798	0.911	1.26	
6.116	474202	442239	0.933	0.71	7 Aroclor 1254
6.143	3135759	2663499	0.849	4.73	
6.256	240846	188133	0.781	0.36	
6.273	246554	219593	0.891	0.37	
6.334	471065	293331	0.623	0.71	
6.387	2557572	2137673	0.836	3.86	8 Aroclor 1260
6.421	215661	195720	0.908	0.32	
6.461	73353	52024	0.709	0.11	
6.496	27817	33364	1.199	0.04	
6.519	434484	314022	0.723	0.65	
6.575	65701	75640	1.151	0.09	
6.598	1762968	1579563	0.896	2.66	
6.625	405126	412502	1.018	0.61	
6.649	626187	547175	0.874	0.94	
6.689	251999	164760	0.654	0.38	
6.748	74311	50788	0.683	0.11	
6.807	305487	245425	0.803	0.46	
6.846	518956	448228	0.864	0.78	
6.891	395319	371660	0.940	0.59	
6.927	443992	383909	0.865	0.67	
6.975	30610	31654	1.034	0.04	
7.002	197790	185265	0.937	0.29	
7.031	600426	585656	0.975	0.90	
7.091	1641381	1469058	0.895	2.47	8 Aroclor 1260
7.123	220565	133220	0.604	0.33	
7.211	39526	31513	0.797	0.05	
7.339	593275	538618	0.908	0.89	8 Aroclor 1260
7.366	224363	172850	0.770	0.33	
7.426	58178	36003	0.619	0.08	
7.477	807771	743807	0.921	1.21	
7.508	117715	146963	1.248	0.17	
7.530	909216	777561	0.855	1.37	8 Aroclor 1260
7.582	202959	150189	0.740	0.30	
7.616	98496	80351	0.816	0.14	
7.647	184886	114612	0.620	0.27	
7.712	82806	59536	0.719	0.12	
7.750	27656	36492	1.320	0.04	
7.779	196724	181759	0.924	0.29	
7.816	665489	591334	0.889	1.00	
7.849	79698	65245	0.819	0.12	
7.889	444807	232172	0.522	0.67	
7.950	65937	52906	0.802	0.09	
7.986	746651	603099	0.808	1.12	8 Aroclor 1260
8.046	128368	76461	0.596	0.19	
8.097	19426	15721	0.809	0.02	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.137	42292	30442	0.720	0.06	
8.191	25538	21215	0.831	0.03	
8.287	45304	32861	0.725	0.06	
8.332	14020	13905	0.992	0.02	
8.362	1415935	1279766	0.904	2.13	
8.406	25535	20324	0.796	0.03	
8.435	14896	15834	1.063	0.02	
8.464	83740	60142	0.718	0.12	
8.508	14901	14044	0.942	0.02	
8.536	72860	42567	0.584	0.11	
8.567	31949	27223	0.852	0.04	
8.588	27671	27420	0.991	0.04	
8.660	13156279	11332629	0.861	20.70	$ 12 Decachlorobiphenyl
8.792	103150	88093	0.854	0.15	
8.814	163196	139848	0.857	0.24	
8.929	24577	20221	0.823	0.03	
9.080	33354	25529	0.765	0.05	
9.144	16424	16609	1.011	0.02	
9.164	12124	12427	1.025	0.01	
9.177	10814	10183	0.942	0.01	
9.256	81681	76523	0.937	0.12	
9.309	10017	8890	0.887	0.01	
9.373	14465	13833	0.956	0.02	
9.419	24239	22811	0.941	0.03	
9.552	44890	24225	0.540	0.06	
9.631	20802	20933	1.006	0.03	
9.760	13483	14858	1.102	0.02	
9.787	44121	36774	0.833	0.06	
9.825	55445	41473	0.748	0.08	
	66236455	59133441		100.000	

Total unknown % area = 46

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718053.D
Lab Smp Id: 40148722004 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 20:09
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722004,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 53
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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.								
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.550	2.550	0.000	12015986	0.10147	51			
3 Aroclor 1242					CAS #: 53469-21-9			
Qualifier signal(s) failed ratio test.								BA
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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.345	4.347	-0.002	194306	0.07825	39	0.00- 20.00	100.00(M)	CO
4.631	4.632	-0.001	142080	0.03189	16	0.00- 20.00	73.12	CO
4.897	4.900	-0.003	130604	0.06070	30	0.00- 20.00	67.22	CO
4.980	4.967	0.013	527871	0.09360	47	0.00- 20.00	271.67	CO
5.125	5.127	-0.002	162728	0.04128	21	0.00- 20.00	83.75	CO
Average of Peak Concentrations =					31			
7 Aroclor 1254					CAS #: 11097-69-1			
5.248	5.249	-0.001	799874	0.14069	70	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	269910	0.05739	29	0.00- 20.00	33.74	BA
5.595	5.598	-0.003	821606	0.09533	48	0.00- 20.00	102.72	BA
6.115	6.117	-0.002	474202	0.08830	44	0.00- 20.00	59.28	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					48			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	2557572	0.26107	130	0.00- 20.00	100.00(M)	BA
7.091	7.092	-0.001	1641380	0.14287	72	0.00- 20.00	64.18	BA
7.338	7.340	-0.002	593275	0.10707	54	0.00- 20.00	23.20	BA
7.530	7.531	-0.001	909215	0.26965	140	0.00- 20.00	35.55	BA
7.986	7.988	-0.002	746650	0.24086	120	0.00- 20.00	29.19	BA
Average of Peak Concentrations =					100			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	13156279	0.10206	51			

QC Flag Legend

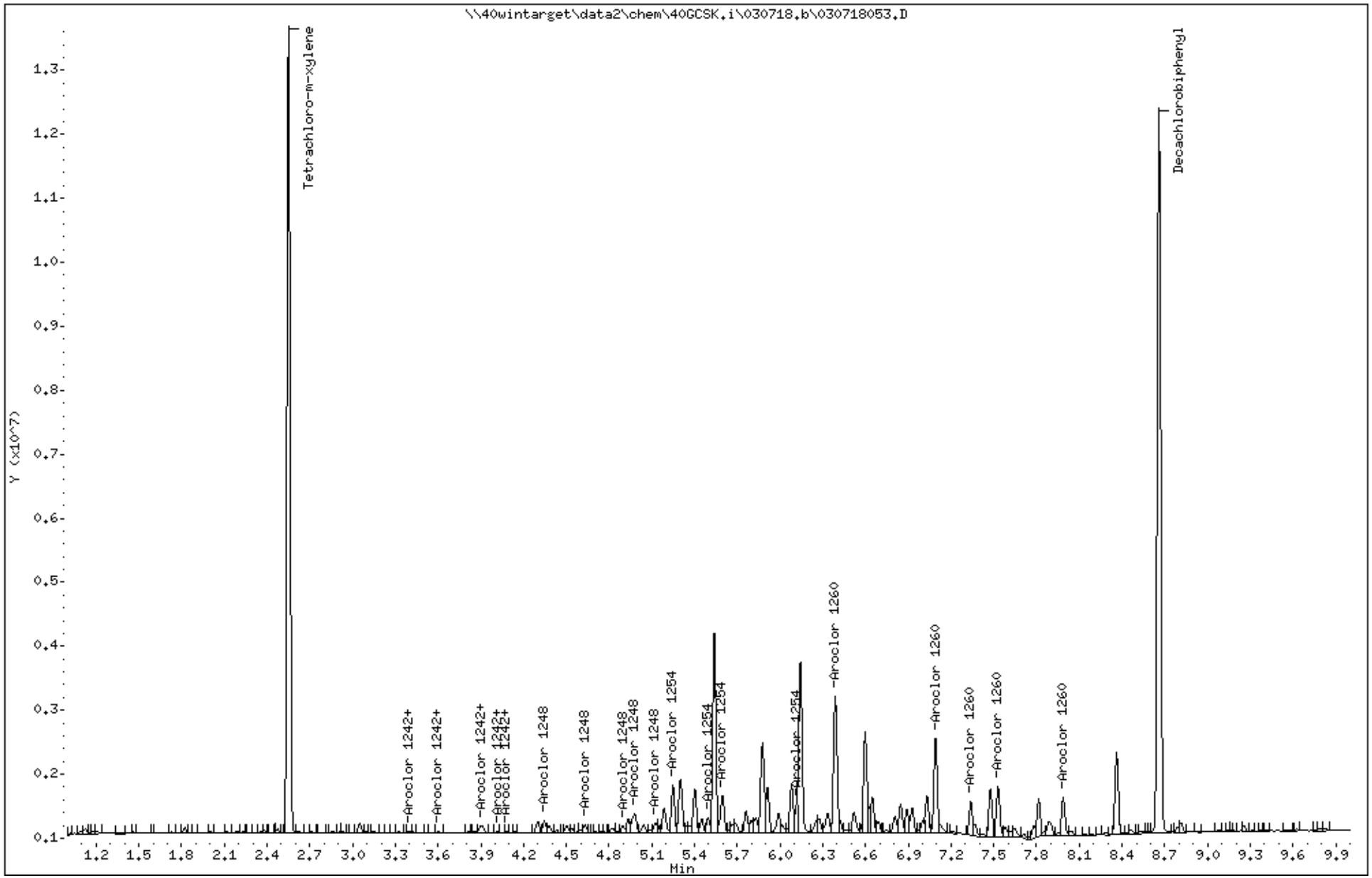
M - Compound response manually integrated.

Review Codes Legend

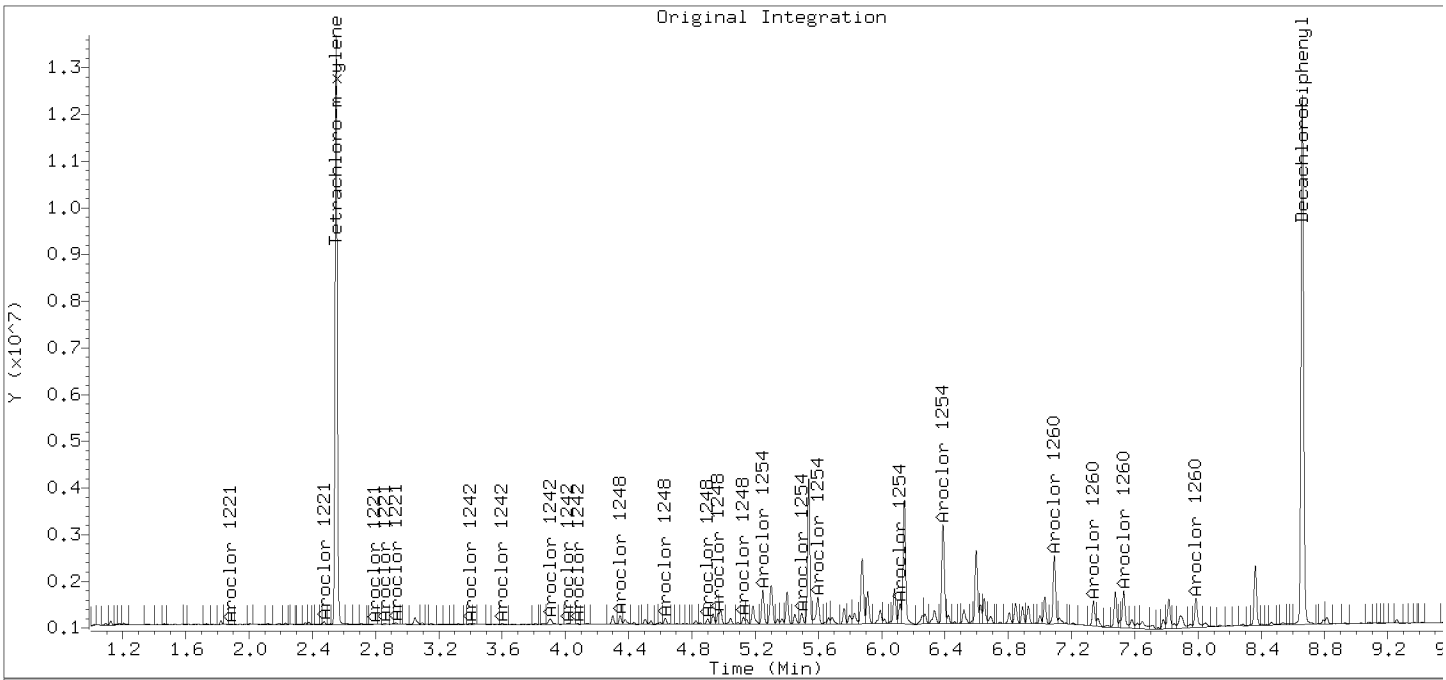
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

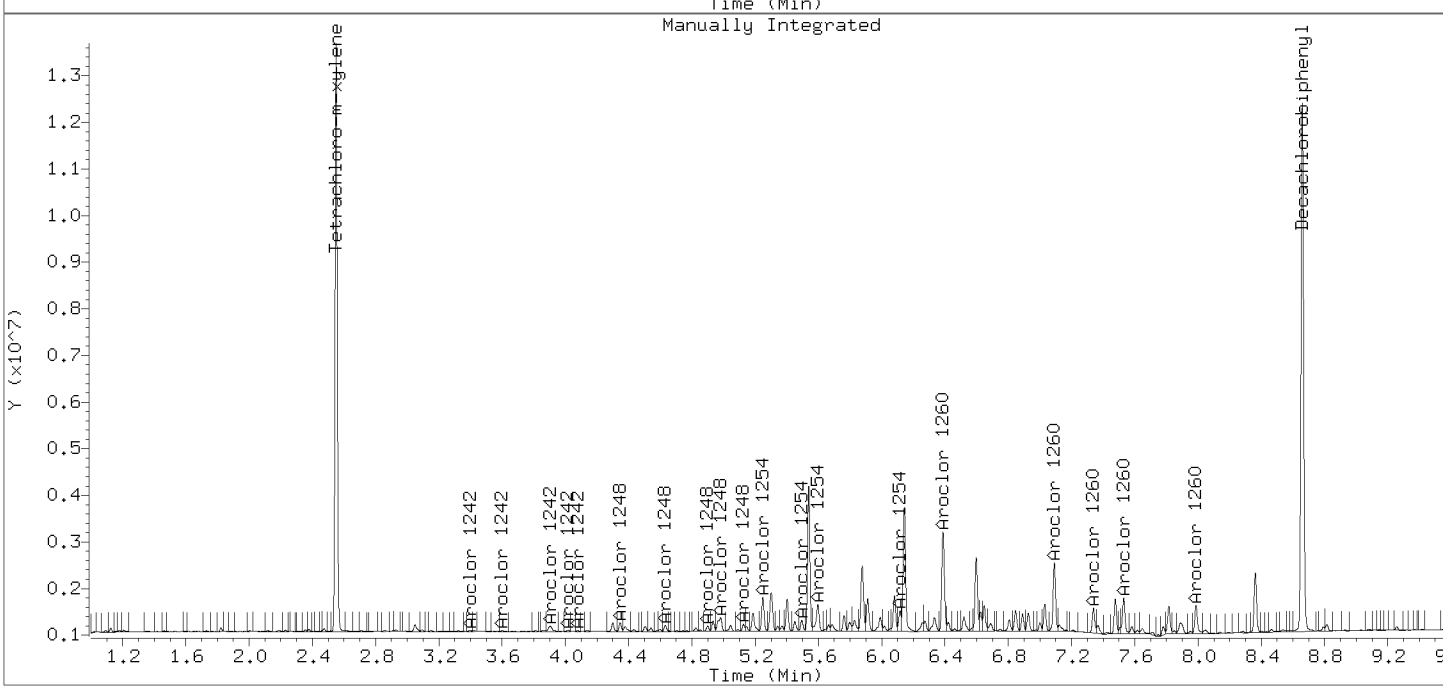
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718053.D
Date : 07-MAR-2018 20:09
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722004,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718053.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 20:09 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722004





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	11928	0	
Aroclor 1221	11928	0	
Aroclor 1221	11928	0	
Aroclor 1221	11928	0	
Aroclor 1221	11928	0	
Aroclor 1232	38316	0	
Aroclor 1232	38316	0	
Aroclor 1232	38316	0	
Aroclor 1232	38316	0	

Aroclor 1232	38316	0	
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1248	185686	194306	CO
Aroclor 1248	185686	194306	CO
Aroclor 1248	185686	194306	CO
Aroclor 1248	185686	194306	CO
Aroclor 1248	185686	194306	CO
Aroclor 1254	777560	799874	BA
Aroclor 1254	777560	799874	BA
Aroclor 1254	777560	799874	BA
Aroclor 1254	777560	799874	BA
Aroclor 1254	777560	799874	BA
Aroclor 1260	2513112	2557572	BA
Aroclor 1260	2513112	2557572	BA
Aroclor 1260	2513112	2557572	BA
Aroclor 1260	2513112	2557572	BA
Aroclor 1260	2513112	2557572	BA
Tetrachloro-m-xylene	12015986	12015986	
Decachlorobiphenyl	13156279	13156279	

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SAMPLE NO.

TZ1-170420-01-STB-16

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722005
Date Analyzed: 03/07/2018 20:57
Lab File ID: 030718.B\030718059.D
Initial wt/vol: 9.96 g Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	65.3	
11097-69-1	PCB-1254 (Aroclor 1254)	94.6	
11096-82-5	PCB-1260 (Aroclor 1260)	135	
1336-36-3	PCB, Total	295	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718059.D
Lab Smp Id: 40148722005 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 20:57
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722005,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 59
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.960	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.023	15367	12650	0.823	0.01		
1.091	45593	29350	0.644	0.05		
1.124	49530	50745	1.025	0.05		
1.151	11156	10494	0.941	0.01		
1.180	18968	20771	1.095	0.02		
1.205	35241	39368	1.117	0.04		
1.361	17965	11788	0.656	0.02		
1.409	13382	9206	0.688	0.01		
1.461	14679	13346	0.909	0.01		
1.578	13434	11093	0.826	0.01		
1.680	16359	16497	1.008	0.01		
1.729	9754	10956	1.123	0.01		
1.822	127010	148980	1.173	0.15		
2.005	12854	16267	1.266	0.01		
2.059	22157	16510	0.745	0.02		
2.116	18046	12289	0.681	0.02		
2.183	24230	16091	0.664	0.02		
2.230	21425	25644	1.197	0.02		
2.270	14747	11618	0.788	0.01		
2.354	15851	20353	1.284	0.01		
2.379	25902	28465	1.099	0.03		
2.475	65486	64417	0.984	0.07		
2.550	10258342	10834062	1.056	12.29	$ 2 Tetrachloro-m-xylene	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.675	12730	9630	0.756	0.01	
2.715	10029	9732	0.970	0.01	
2.855	33941	25627	0.755	0.04	
2.928	53953	35198	0.652	0.06	
3.048	176043	152760	0.868	0.21	
3.096	28448	33205	1.167	0.03	
3.396	46795	45404	0.970	0.05	
3.423	38572	39524	1.025	0.04	
3.514	20539	17667	0.860	0.02	
3.599	59094	46981	0.795	0.07	
3.813	40762	39712	0.974	0.04	
3.840	24391	24935	1.022	0.02	
3.860	37614	31064	0.826	0.04	
3.906	403656	245850	0.609	0.48	
4.021	64620	48284	0.747	0.07	
4.077	67073	52518	0.783	0.08	
4.142	60468	29436	0.487	0.07	
4.218	14544	13495	0.928	0.01	
4.299	441823	415439	0.940	0.52	
4.346	454970	444969	0.978	0.54	6 Aroclor 1248
4.377	378363	278856	0.737	0.45	
4.435	72772	66302	0.911	0.08	
4.503	276673	249638	0.902	0.33	
4.539	178778	163225	0.913	0.21	
4.576	18300	19688	1.076	0.02	
4.600	117232	118491	1.011	0.14	
4.631	345983	317374	0.917	0.41	6 Aroclor 1248
4.657	38822	26240	0.676	0.04	
4.706	57709	49321	0.855	0.06	
4.742	14340	15545	1.084	0.01	
4.768	40551	39939	0.985	0.04	
4.825	148480	124233	0.837	0.17	
4.855	51461	49774	0.967	0.06	
4.899	266261	259100	0.973	0.31	6 Aroclor 1248
4.934	443780	432954	0.976	0.53	
4.981	1120411	617004	0.551	1.34	6 Aroclor 1248
5.044	330314	261280	0.791	0.39	
5.092	70500	67730	0.961	0.08	
5.125	262889	257209	0.978	0.31	6 Aroclor 1248
5.144	229492	224858	0.980	0.27	
5.185	985473	744644	0.756	1.18	
5.248	1549860	1390296	0.897	1.85	7 Aroclor 1254
5.301	1896828	1514973	0.799	2.27	
5.342	293756	281347	0.958	0.35	
5.369	223600	201157	0.900	0.26	
5.402	1146376	1097428	0.957	1.37	
5.450	458921	435171	0.948	0.55	
5.494	555774	513550	0.924	0.66	7 Aroclor 1254
5.538	5357157	5304637	0.990	6.42	
5.596	1678084	1213401	0.723	2.01	7 Aroclor 1254
5.663	249637	195754	0.784	0.29	
5.690	255674	174734	0.683	0.30	
5.762	654024	613075	0.937	0.78	
5.798	379379	299750	0.790	0.45	
5.827	587723	412783	0.702	0.70	
5.876	3007928	2520600	0.838	3.60	
5.910	1385723	1304540	0.941	1.66	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.972	147038	187768	1.277	0.17	
5.990	551547	475682	0.862	0.66	
6.017	172071	161275	0.937	0.20	
6.054	70771	77291	1.092	0.08	
6.080	1171316	1052205	0.898	1.40	
6.115	903135	841134	0.931	1.08	7 Aroclor 1254
6.142	4557042	3971722	0.872	5.46	
6.256	409863	350158	0.854	0.49	
6.273	335253	321251	0.958	0.40	
6.333	760758	511949	0.673	0.91	
6.387	4119878	3478087	0.844	4.93	8 Aroclor 1260
6.421	341511	317041	0.928	0.40	
6.461	93448	83520	0.894	0.11	
6.520	586271	412086	0.703	0.70	
6.572	64609	81571	1.263	0.07	
6.597	2217849	2031501	0.916	2.65	
6.624	733233	712430	0.972	0.87	
6.648	816353	734149	0.899	0.97	
6.689	279718	197743	0.707	0.33	
6.721	61812	57601	0.932	0.07	
6.749	73549	71479	0.972	0.08	
6.806	429801	375835	0.874	0.51	
6.846	795252	693647	0.872	0.95	
6.890	578024	553442	0.957	0.69	
6.927	477198	429642	0.900	0.57	
6.974	26764	30879	1.154	0.03	
7.001	186245	183395	0.985	0.22	
7.031	1423122	1358179	0.954	1.70	
7.092	2201835	2001514	0.909	2.63	8 Aroclor 1260
7.123	266810	163967	0.615	0.31	
7.189	17251	22807	1.322	0.02	
7.211	49094	44323	0.903	0.05	
7.339	858419	763375	0.889	1.02	8 Aroclor 1260
7.368	272490	213686	0.784	0.32	
7.423	41700	31217	0.749	0.04	
7.476	972161	870800	0.896	1.16	
7.508	103201	140339	1.360	0.12	
7.530	1032198	874581	0.847	1.23	8 Aroclor 1260
7.582	253918	194385	0.766	0.30	
7.615	101293	85500	0.844	0.12	
7.648	195893	134439	0.686	0.23	
7.711	92827	57159	0.616	0.11	
7.749	17541	24386	1.390	0.02	
7.780	226989	209649	0.924	0.27	
7.815	625222	548937	0.878	0.74	
7.849	72964	63650	0.872	0.08	
7.900	534810	307332	0.575	0.64	
7.950	87932	74250	0.844	0.10	
7.987	847400	713934	0.842	1.01	8 Aroclor 1260
8.047	118231	72871	0.616	0.14	
8.138	67173	53279	0.793	0.08	
8.192	19803	19299	0.975	0.02	
8.286	49171	34023	0.692	0.05	
8.362	1317435	1192712	0.905	1.57	
8.400	12554	12846	1.023	0.01	
8.439	10240	11913	1.163	0.01	
8.464	58869	53137	0.903	0.07	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.538	28101	25686	0.914	0.03	
8.659	11633813	9912333	0.852	14.70	$ 12 Decachlorobiphenyl
8.791	90767	83061	0.915	0.10	
8.816	201881	174777	0.866	0.24	
8.930	20850	21878	1.049	0.02	
9.083	31067	24972	0.804	0.03	
9.143	51358	44895	0.874	0.06	
9.256	95361	85090	0.892	0.11	
9.316	17532	12390	0.707	0.02	
9.373	16985	17978	1.058	0.02	
9.416	25084	22678	0.904	0.03	
9.492	10118	10682	1.056	0.01	
9.624	29112	21335	0.733	0.03	
9.652	14490	12999	0.897	0.01	
9.684	12488	12170	0.975	0.01	
9.755	15200	10514	0.692	0.01	
9.785	48479	40693	0.839	0.05	
9.827	71737	51102	0.712	0.08	
9.864	12571	11536	0.918	0.01	
	83422422	74388732		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718059.D
Lab Smp Id: 40148722005 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 20:57
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722005,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 59
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.960	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			
2.550	2.550	0.000	10258341	0.08662	43			
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			
4.346	4.347	-0.001	454969	0.18323	92	0.00- 20.00	100.00(M)	CO
4.630	4.632	-0.002	345983	0.07765	39	0.00- 20.00	76.05	CO
4.899	4.900	-0.001	266261	0.12375	62	0.00- 20.00	58.52	CO
4.981	4.967	0.014	1120411	0.19866	100	0.00- 20.00	246.26	CO
5.125	5.127	-0.002	262889	0.06669	33	0.00- 20.00	57.78	CO
			Average of Peak Concentrations =		65			
7 Aroclor 1254					CAS #: 11097-69-1			
5.248	5.249	-0.001	1549860	0.27260	140	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	555773	0.11817	59	0.00- 20.00	35.86	BA
5.596	5.598	-0.002	1678084	0.19470	98	0.00- 20.00	108.27	BA
6.114	6.117	-0.003	903134	0.16817	84	0.00- 20.00	58.27	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
			Average of Peak Concentrations =		94			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	4119878	0.42054	210	0.00- 20.00	100.00(M)	BA
7.091	7.092	-0.001	2201835	0.19165	96	0.00- 20.00	53.44	BA
7.338	7.340	-0.002	858419	0.15492	78	0.00- 20.00	20.84	BA
7.529	7.531	-0.002	1032198	0.30613	150	0.00- 20.00	25.05	BA
7.987	7.988	-0.001	847400	0.27336	140	0.00- 20.00	20.57	BA
			Average of Peak Concentrations =		140			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	11633813	0.09025	45			

QC Flag Legend

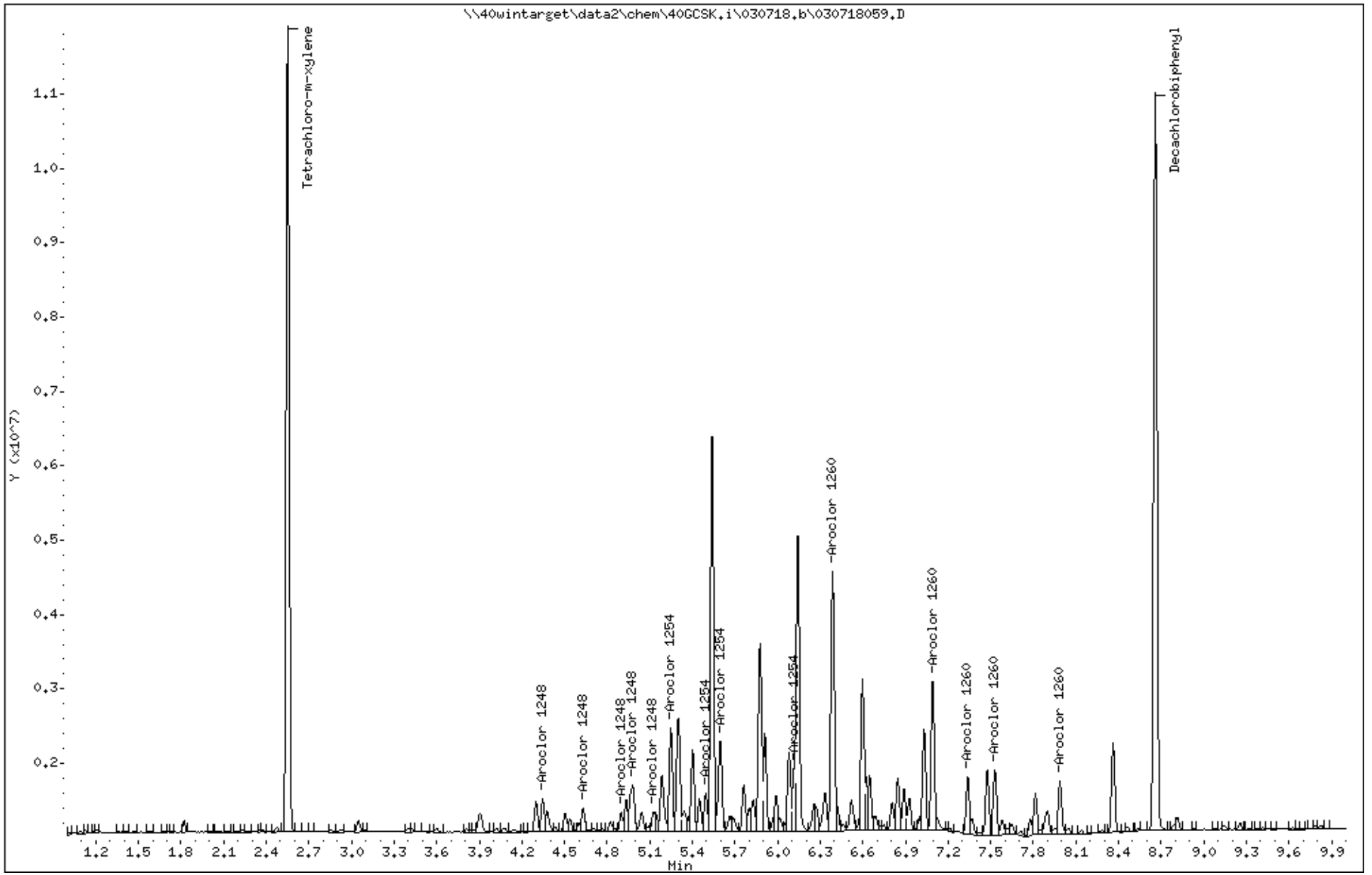
M - Compound response manually integrated.

Review Codes Legend

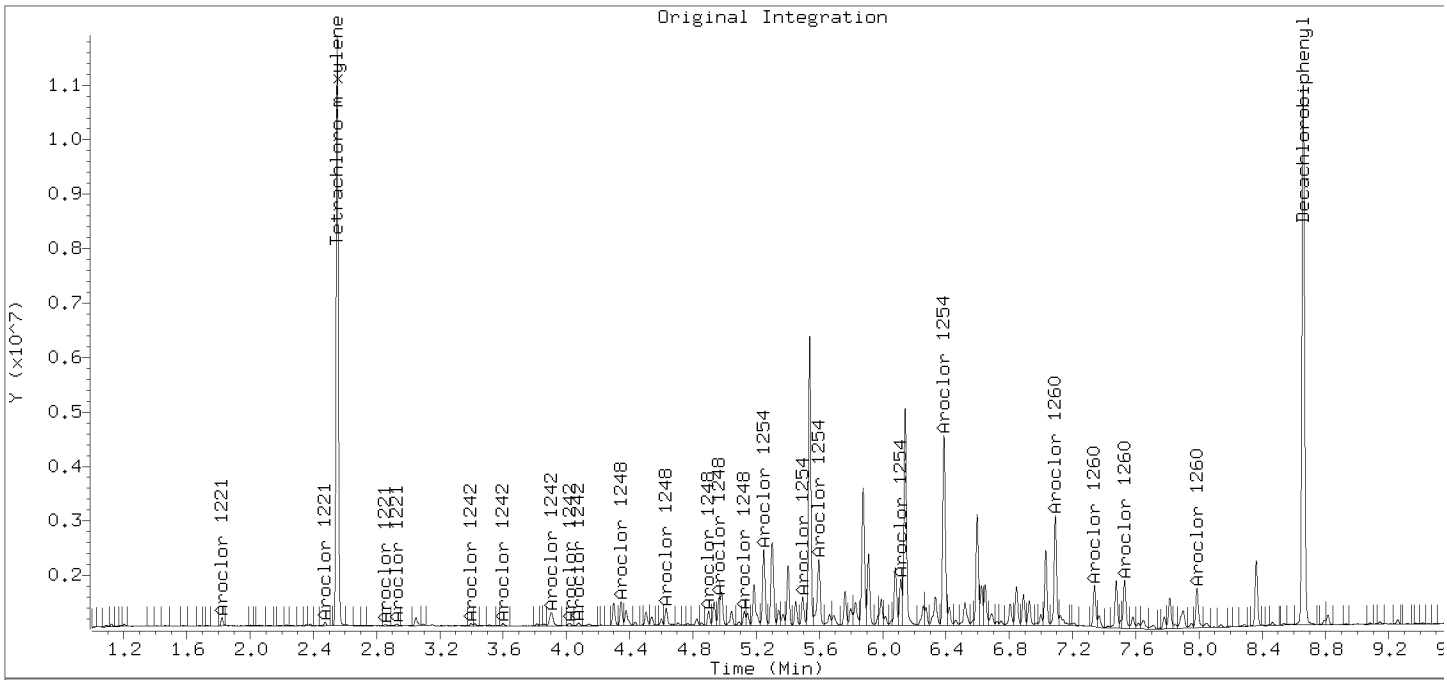
:
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

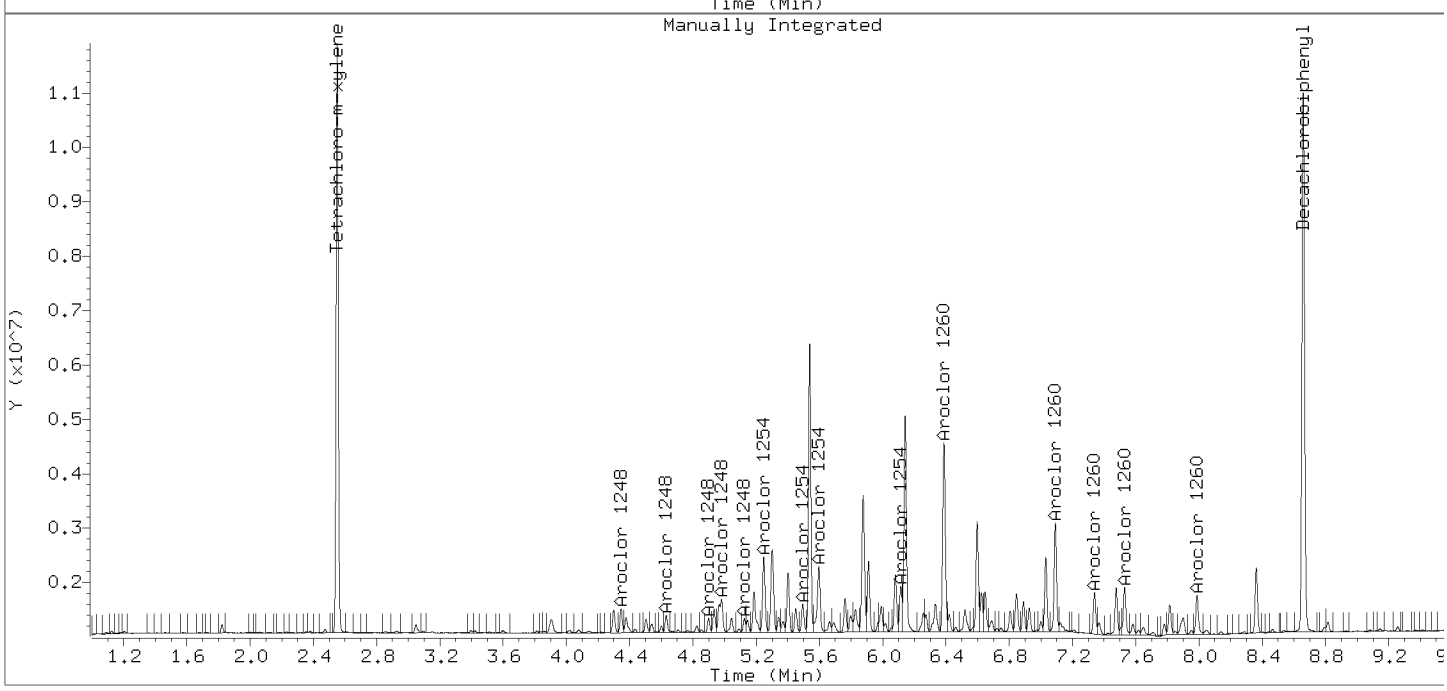
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718059.D
Date : 07-MAR-2018 20:57
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722005,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718059.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 20:57 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722005





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	46795	0	
Aroclor 1016	46795	0	
Aroclor 1016	46795	0	
Aroclor 1016	46795	0	
Aroclor 1016	46795	0	
Aroclor 1221	127009	0	
Aroclor 1221	127009	0	
Aroclor 1221	127009	0	
Aroclor 1221	127009	0	
Aroclor 1221	127009	0	
Aroclor 1232	53952	0	
Aroclor 1232	53952	0	
Aroclor 1232	53952	0	
Aroclor 1232	53952	0	

Aroclor 1232	53952	0	
Aroclor 1242	46795	0	
Aroclor 1242	46795	0	
Aroclor 1242	46795	0	
Aroclor 1242	46795	0	
Aroclor 1242	46795	0	
Aroclor 1248	447146	454969	CO
Aroclor 1248	447146	454969	CO
Aroclor 1248	447146	454969	CO
Aroclor 1248	447146	454969	CO
Aroclor 1248	447146	454969	CO
Aroclor 1254	1564149	1549860	BA
Aroclor 1254	1564149	1549860	BA
Aroclor 1254	1564149	1549860	BA
Aroclor 1254	1564149	1549860	BA
Aroclor 1254	1564149	1549860	BA
Aroclor 1260	4165312	4119878	BA
Aroclor 1260	4165312	4119878	BA
Aroclor 1260	4165312	4119878	BA
Aroclor 1260	4165312	4119878	BA
Aroclor 1260	4165312	4119878	BA
Tetrachloro-m-xylene	10258341	10258341	
Decachlorobiphenyl	11633813	11633813	

==========

SAMPLE NO.

TZ1-170420-01-STB-15

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722006
Date Analyzed: 03/07/2018 21:13
Lab File ID: 030718.B\030718061.D
Initial wt/vol: 10.0363 Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	77.8	
11097-69-1	PCB-1254 (Aroclor 1254)	119	
11096-82-5	PCB-1260 (Aroclor 1260)	196	
1336-36-3	PCB, Total	393	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718061.D
Lab Smp Id: 40148722006 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:13
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722006,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 61
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	10.036	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.023	43856	41216	0.940	0.04		
1.049	30289	20834	0.688	0.02		
1.094	57491	47463	0.826	0.05		
1.125	88809	100598	1.133	0.08		
1.182	23010	27110	1.178	0.02		
1.206	75637	58458	0.773	0.07		
1.413	13577	9781	0.720	0.01		
1.465	11316	11346	1.003	0.01		
1.681	14201	14863	1.047	0.01		
1.824	298153	305785	1.026	0.28		
2.005	15854	17930	1.131	0.01		
2.062	11630	10801	0.929	0.01		
2.117	10731	11418	1.064	0.01		
2.188	23835	16645	0.698	0.02		
2.231	28022	28045	1.001	0.02		
2.266	12289	10219	0.832	0.01		
2.354	24988	25091	1.004	0.02		
2.379	32310	35007	1.083	0.03		
2.425	17211	13243	0.769	0.01		
2.474	81428	76371	0.938	0.07		
2.551	9435914	9737919	1.032	8.90	$ 2 Tetrachloro-m-xylene	
2.617	21568	14399	0.668	0.02		
2.857	27163	22573	0.831	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.906	13050	14887	1.141	0.01	
2.927	32118	25386	0.790	0.03	
2.988	13410	12447	0.928	0.01	
3.049	160792	109968	0.684	0.15	
3.094	59735	64216	1.075	0.05	
3.152	53609	43346	0.809	0.05	
3.263	14092	13137	0.932	0.01	
3.396	44591	43793	0.982	0.04	5 Aroclor 1016
3.424	53162	50150	0.943	0.05	
3.481	15157	11985	0.791	0.01	
3.516	27275	20356	0.746	0.02	
3.600	58164	47541	0.817	0.05	5 Aroclor 1016
3.815	48633	43924	0.903	0.04	
3.839	22366	26211	1.172	0.02	
3.857	28576	23106	0.809	0.02	
3.907	394970	222734	0.564	0.37	5 Aroclor 1016
4.023	68690	49373	0.719	0.06	5 Aroclor 1016
4.077	64974	51831	0.798	0.06	5 Aroclor 1016
4.137	72070	35314	0.490	0.06	
4.299	463491	429806	0.927	0.43	
4.346	538235	528119	0.981	0.50	6 Aroclor 1248
4.378	517131	404346	0.782	0.48	
4.435	67553	53826	0.797	0.06	
4.504	270304	233129	0.862	0.25	
4.540	208035	191986	0.923	0.19	
4.601	394986	376457	0.953	0.37	
4.630	381695	352920	0.925	0.36	6 Aroclor 1248
4.674	34948	36086	1.033	0.03	
4.706	57484	51797	0.901	0.05	
4.743	23863	25623	1.074	0.02	
4.766	66952	62258	0.930	0.06	
4.824	153052	129785	0.848	0.14	
4.851	78217	71222	0.911	0.07	
4.899	348696	327864	0.940	0.32	6 Aroclor 1248
4.933	427209	409967	0.960	0.40	
4.966	1359570	709546	0.522	1.28	6 Aroclor 1248
5.044	365590	289082	0.791	0.34	
5.092	83013	69180	0.833	0.07	
5.125	295413	271509	0.919	0.27	6 Aroclor 1248
5.145	195450	186716	0.955	0.18	
5.186	1063700	858824	0.807	1.00	
5.248	2069365	1839002	0.889	1.95	7 Aroclor 1254
5.299	2941575	2435590	0.828	2.77	
5.341	192912	185712	0.963	0.18	
5.370	346880	300448	0.866	0.32	
5.402	1337750	1224545	0.915	1.26	
5.450	596666	539907	0.905	0.56	
5.494	693712	659357	0.950	0.65	7 Aroclor 1254
5.539	7215184	7017523	0.973	6.81	
5.597	1971292	1418011	0.719	1.86	7 Aroclor 1254
5.643	447427	449031	1.004	0.42	
5.663	328700	345422	1.051	0.31	
5.686	664498	533193	0.802	0.62	
5.762	1082671	1027456	0.949	1.02	
5.797	373519	324530	0.869	0.35	
5.828	1004237	711129	0.708	0.94	
5.877	4482860	3760087	0.839	4.23	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.910	989476	876432	0.886	0.93	
5.990	826911	610258	0.738	0.78	
6.017	306590	280497	0.915	0.28	
6.054	68052	75894	1.115	0.06	
6.080	2259651	2120380	0.938	2.13	
6.114	1161080	1065843	0.918	1.09	7 Aroclor 1254
6.142	8370560	7367976	0.880	7.90	
6.255	578045	424231	0.734	0.54	
6.273	442595	419296	0.947	0.41	
6.332	881106	536480	0.609	0.83	
6.387	7079345	5979385	0.845	6.68	8 Aroclor 1260
6.420	558835	521136	0.933	0.52	
6.462	125446	102358	0.816	0.11	
6.520	1056466	716256	0.678	0.99	
6.572	131849	139334	1.057	0.12	
6.597	3914004	3557396	0.909	3.69	
6.624	1309045	1236977	0.945	1.23	
6.649	1288769	1127296	0.875	1.21	
6.691	358269	289315	0.808	0.33	
6.720	28575	31351	1.097	0.02	
6.748	98691	88744	0.899	0.09	
6.806	425033	381029	0.896	0.40	
6.847	1131325	989025	0.874	1.06	
6.890	973058	890348	0.915	0.91	
6.926	711441	640362	0.900	0.67	
6.975	48760	45705	0.937	0.04	
7.000	253113	251137	0.992	0.23	
7.030	1167357	1104664	0.946	1.10	
7.092	3370851	3062653	0.909	3.18	8 Aroclor 1260
7.121	449957	269438	0.599	0.42	
7.188	11361	17574	1.547	0.01	
7.210	44233	38101	0.861	0.04	
7.249	21903	14022	0.640	0.02	
7.339	1330140	1213399	0.912	1.25	8 Aroclor 1260
7.367	348043	288248	0.828	0.32	
7.422	44301	31111	0.702	0.04	
7.477	1406217	1212432	0.862	1.32	
7.530	1316151	1096719	0.833	1.24	8 Aroclor 1260
7.581	199824	132671	0.664	0.18	
7.616	60593	58311	0.962	0.05	
7.643	144512	87740	0.607	0.13	
7.702	49881	33220	0.666	0.04	
7.777	265736	233393	0.878	0.25	
7.815	531789	470540	0.885	0.50	
7.850	77940	69095	0.887	0.07	
7.900	389370	212356	0.545	0.36	
7.949	49373	41460	0.840	0.04	
7.987	1003837	865962	0.863	0.94	8 Aroclor 1260
8.047	138350	87212	0.630	0.13	
8.138	42270	28860	0.683	0.03	
8.194	21061	16801	0.798	0.01	
8.234	10434	10806	1.036	0.00	
8.269	18663	18335	0.982	0.01	
8.285	35932	27335	0.761	0.03	
8.315	21330	19990	0.937	0.02	
8.339	24053	26354	1.096	0.02	
8.362	1057953	957614	0.905	0.99	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.405	39063	27084	0.693	0.03	
8.434	13473	20859	1.548	0.01	
8.464	105561	55850	0.529	0.09	
8.537	83350	33831	0.406	0.07	
8.588	27244	23336	0.857	0.02	
8.612	22845	23477	1.028	0.02	
8.659	11363068	9968917	0.877	11.44	$ 12 Decachlorobiphenyl
8.793	78676	53384	0.679	0.07	
8.814	125710	105387	0.838	0.11	
8.928	19255	16275	0.845	0.01	
9.080	17365	14562	0.839	0.01	
9.143	20981	17657	0.842	0.01	
9.254	73895	65374	0.885	0.06	
9.372	12047	10507	0.872	0.01	
9.415	11315	11553	1.021	0.01	
9.531	27666	14117	0.510	0.02	
9.567	11818	13217	1.118	0.01	
9.788	24761	21289	0.860	0.02	
9.823	24973	24978	1.000	0.02	
	105921117	93440322		100.000	

Total unknown % area = 58

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718061.D
Lab Smp Id: 40148722006 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:13
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722006,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 61
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	10.036	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		
2.550	2.550	0.000	9435914	0.07968	40			

---

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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.346	4.347	-0.001	538234	0.21676	110	0.00- 20.00	100.00(M)	BA
4.630	4.632	-0.002	381695	0.08566	43	0.00- 20.00	70.92	BA
4.899	4.900	-0.001	348696	0.16206	81	0.00- 20.00	64.79	BA
4.965	4.967	-0.002	1359569	0.24106	120	0.00- 20.00	252.60	BA
5.125	5.127	-0.002	295413	0.07495	37	0.00- 20.00	54.89	BA
Average of Peak Concentrations =					78			
7 Aroclor 1254					CAS #: 11097-69-1			
5.247	5.249	-0.002	2069364	0.36398	180	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	693711	0.14750	73	0.00- 20.00	33.52	BA
5.596	5.598	-0.002	1971291	0.22872	110	0.00- 20.00	95.26	BA
6.113	6.117	-0.004	1161080	0.21620	110	0.00- 20.00	56.11	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					120			
8 Aroclor 1260					CAS #: 11096-82-5			
6.386	6.388	-0.002	7079344	0.72263	360	0.00- 20.00	100.00(M)	BA
7.091	7.092	-0.001	3370850	0.29340	150	0.00- 20.00	47.62	BA
7.338	7.340	-0.002	1330139	0.24005	120	0.00- 20.00	18.79	BA
7.530	7.531	-0.001	1316150	0.39034	190	0.00- 20.00	18.59	BA
7.987	7.988	-0.001	1003836	0.32383	160	0.00- 20.00	14.18	BA
Average of Peak Concentrations =					200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.658	8.660	-0.002	11363067	0.08815	44			

QC Flag Legend

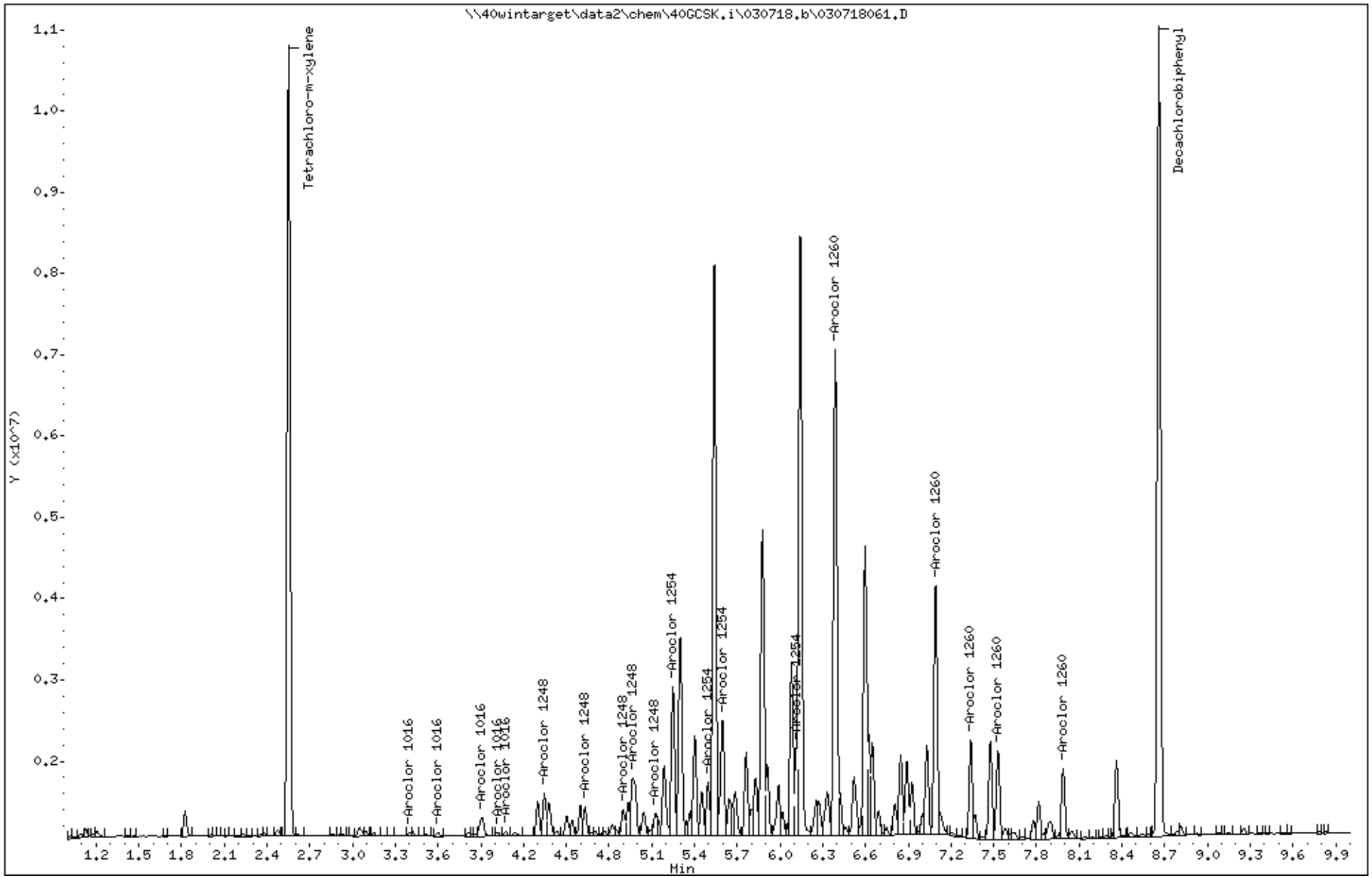
M - Compound response manually integrated.

Review Codes Legend

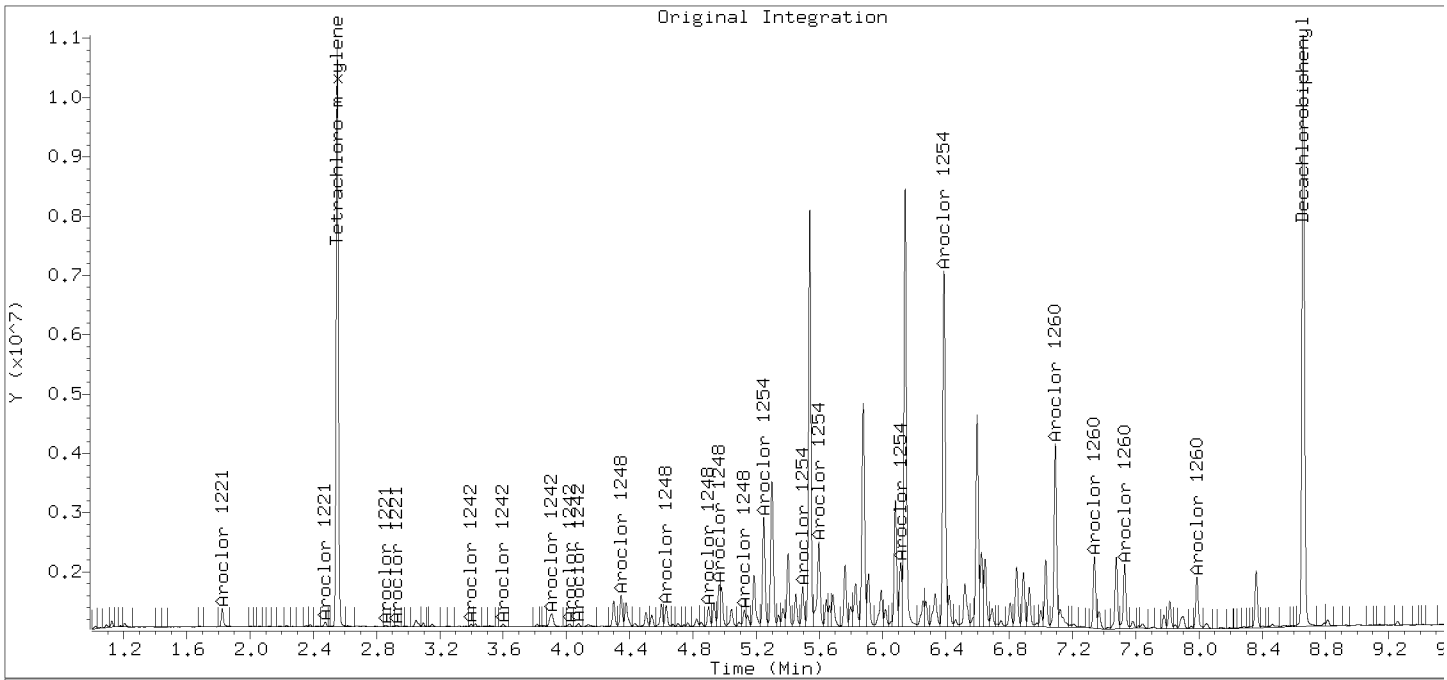
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

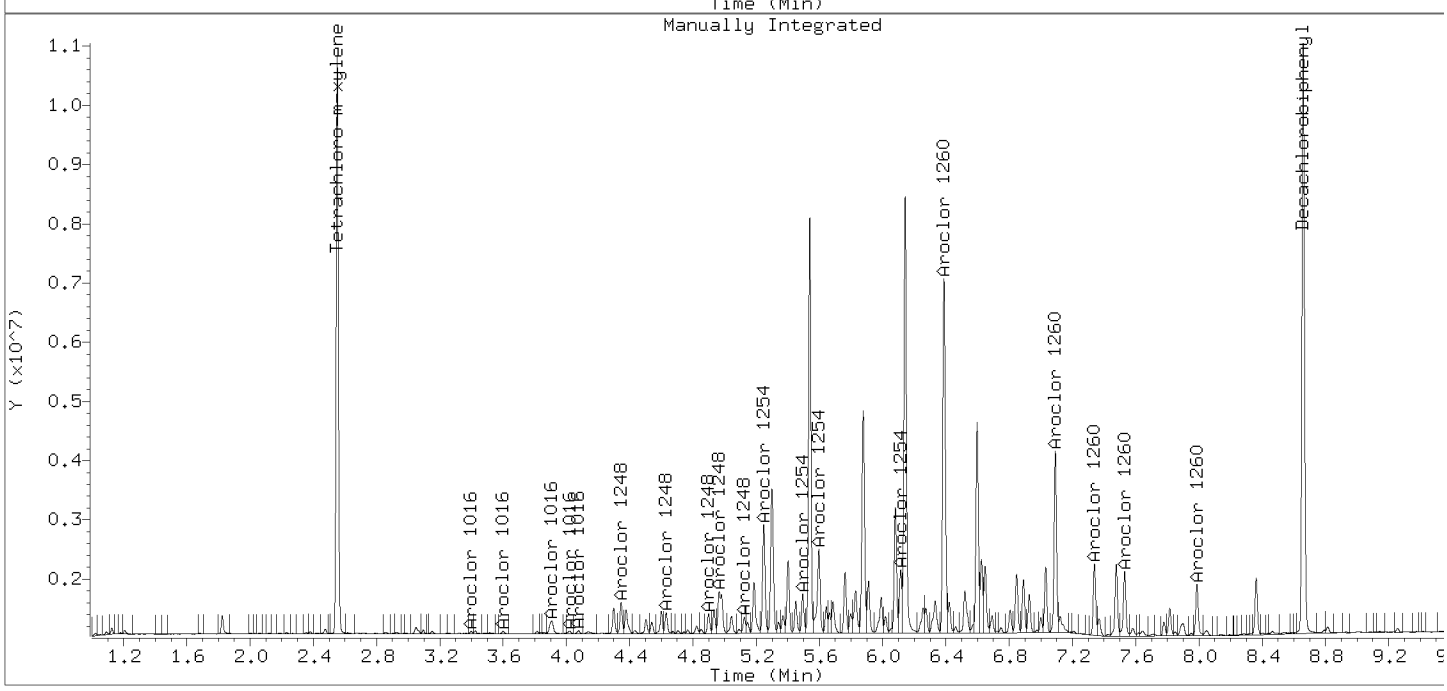
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718061.D
Date : 07-MAR-2018 21:13
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722006,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718061.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 21:13 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722006





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	298152	0	
Aroclor 1221	298152	0	
Aroclor 1221	298152	0	
Aroclor 1221	298152	0	
Aroclor 1221	298152	0	
Aroclor 1232	32117	0	
Aroclor 1232	32117	0	
Aroclor 1232	32117	0	
Aroclor 1232	32117	0	

Aroclor 1232	32117	0	
Aroclor 1242	44590	0	
Aroclor 1242	44590	0	
Aroclor 1242	44590	0	
Aroclor 1242	44590	0	
Aroclor 1242	44590	0	
Aroclor 1248	531661	538234	BA
Aroclor 1248	531661	538234	BA
Aroclor 1248	531661	538234	BA
Aroclor 1248	531661	538234	BA
Aroclor 1248	531661	538234	BA
Aroclor 1254	2085934	2069364	BA
Aroclor 1254	2085934	2069364	BA
Aroclor 1254	2085934	2069364	BA
Aroclor 1254	2085934	2069364	BA
Aroclor 1254	2085934	2069364	BA
Aroclor 1260	7125291	7079344	BA
Aroclor 1260	7125291	7079344	BA
Aroclor 1260	7125291	7079344	BA
Aroclor 1260	7125291	7079344	BA
Aroclor 1260	7125291	7079344	BA
Tetrachloro-m-xylene	9435914	9435914	
Decachlorobiphenyl	11363067	11363067	

==========

SAMPLE NO.

TZ1-170420-01-STB-14

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722007
Date Analyzed: 03/07/2018 21:29
Lab File ID: 030718.B\030718063.D
Initial wt/vol: 10.0057 Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	86.8	
11097-69-1	PCB-1254 (Aroclor 1254)	129	
11096-82-5	PCB-1260 (Aroclor 1260)	173	
1336-36-3	PCB, Total	388	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718063.D
Lab Smp Id: 40148722007 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:29
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722007,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 63
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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
1.091	24836	19963	0.804	0.02		
1.126	37817	39004	1.031	0.03		
1.157	15220	18564	1.220	0.01		
1.181	34008	36856	1.084	0.03		
1.207	50829	37976	0.747	0.04		
1.416	15553	11150	0.717	0.01		
1.461	18698	14264	0.763	0.01		
1.531	16893	14102	0.835	0.01		
1.594	15130	16885	1.116	0.01		
1.680	16000	16244	1.015	0.01		
1.731	15577	14479	0.929	0.01		
1.824	206760	204785	0.990	0.19		
2.004	17276	21464	1.242	0.01		
2.120	28619	24398	0.853	0.02		
2.185	21341	16411	0.769	0.02		
2.228	34312	33692	0.982	0.03		
2.270	12558	15000	1.194	0.01		
2.320	10421	11055	1.061	0.00		
2.356	29838	30642	1.027	0.02		
2.380	40735	41548	1.020	0.03		
2.475	70550	61570	0.873	0.06		
2.551	10409027	10719828	1.030	9.79	$ 2 Tetrachloro-m-xylene	
2.674	12454	9777	0.785	0.01		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.792	19067	14530	0.762	0.01	
2.853	39729	31171	0.785	0.03	
2.907	20688	20667	0.999	0.01	
2.929	45941	37129	0.808	0.04	
2.987	15082	13859	0.919	0.01	
3.048	275777	201652	0.731	0.25	
3.094	53502	55937	1.046	0.05	
3.151	22673	23542	1.038	0.02	
3.239	10188	9822	0.964	0.00	
3.318	20905	15073	0.721	0.01	
3.396	32075	32963	1.028	0.03	5 Aroclor 1016
3.423	31256	27650	0.885	0.02	
3.601	48364	33152	0.685	0.04	5 Aroclor 1016
3.813	41740	39190	0.939	0.03	
3.840	23591	24646	1.045	0.02	
3.861	30408	28071	0.923	0.02	
3.907	400112	231614	0.579	0.37	5 Aroclor 1016
4.020	78869	48465	0.615	0.07	5 Aroclor 1016
4.077	71170	53384	0.750	0.06	5 Aroclor 1016
4.140	55572	26126	0.470	0.05	
4.225	24800	17778	0.717	0.02	
4.300	507533	467797	0.922	0.47	
4.345	550407	539886	0.981	0.51	6 Aroclor 1248
4.377	514311	393040	0.764	0.48	
4.435	81980	69541	0.848	0.07	
4.503	301102	256063	0.850	0.28	
4.540	212956	200430	0.941	0.20	
4.601	434631	422857	0.973	0.40	
4.632	400701	365642	0.913	0.37	6 Aroclor 1248
4.672	35498	36069	1.016	0.03	
4.706	59796	50516	0.845	0.05	
4.766	69317	65574	0.946	0.06	
4.825	211421	177733	0.841	0.19	
4.854	75766	73640	0.972	0.07	
4.899	401827	372040	0.926	0.37	6 Aroclor 1248
4.934	638577	620403	0.972	0.60	
4.965	1585965	812447	0.512	1.49	6 Aroclor 1248
5.044	438200	340925	0.778	0.41	
5.092	99623	100741	1.011	0.09	
5.126	351246	351736	1.001	0.33	6 Aroclor 1248
5.145	263659	243133	0.922	0.24	
5.186	1308553	1006662	0.769	1.23	
5.248	2239243	1991970	0.890	2.10	7 Aroclor 1254
5.300	2798787	2192067	0.783	2.63	
5.342	251337	236966	0.943	0.23	
5.370	331422	293175	0.885	0.31	
5.402	1623597	1536825	0.947	1.52	
5.451	707155	656766	0.929	0.66	
5.494	718689	669617	0.932	0.67	7 Aroclor 1254
5.539	8321337	8176061	0.983	7.82	
5.597	2208073	1594717	0.722	2.07	7 Aroclor 1254
5.644	74694	90226	1.208	0.07	
5.663	359944	327124	0.909	0.33	
5.689	440596	282168	0.640	0.41	
5.762	945811	884519	0.935	0.88	
5.798	498252	418028	0.839	0.46	
5.827	943348	637388	0.676	0.88	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.876	4328858	3573735	0.826	4.07	
5.911	1516801	1398735	0.922	1.42	
5.990	966532	713414	0.738	0.90	
6.017	271570	247008	0.910	0.25	
6.055	94105	107564	1.143	0.08	
6.080	1851803	1693078	0.914	1.74	
6.115	1220413	1113306	0.912	1.14	7 Aroclor 1254
6.143	6610351	5707118	0.863	6.21	
6.256	515833	417648	0.810	0.48	
6.275	495446	450653	0.910	0.46	
6.333	899475	626176	0.696	0.84	
6.388	5782526	4747843	0.821	5.44	8 Aroclor 1260
6.422	428415	400280	0.934	0.40	
6.461	123169	104021	0.845	0.11	
6.519	894986	612216	0.684	0.84	
6.598	3278991	2830707	0.863	3.08	
6.625	1094168	1055501	0.965	1.02	
6.649	1139171	984386	0.864	1.07	
6.690	326177	249099	0.764	0.30	
6.723	41955	38326	0.914	0.03	
6.749	98797	84712	0.857	0.09	
6.807	566722	481486	0.850	0.53	
6.847	1177630	996392	0.846	1.10	
6.889	767533	701412	0.914	0.72	
6.927	683575	613999	0.898	0.64	
6.974	29441	35329	1.200	0.02	
7.001	270731	267928	0.990	0.25	
7.031	1295539	1225397	0.946	1.21	
7.092	2751965	2464125	0.895	2.58	8 Aroclor 1260
7.125	334443	210332	0.629	0.31	
7.209	59329	53671	0.905	0.05	
7.254	40578	20216	0.498	0.03	
7.339	1102093	998397	0.906	1.03	8 Aroclor 1260
7.369	327509	247684	0.756	0.30	
7.423	54277	35383	0.652	0.05	
7.477	1258495	1113424	0.885	1.18	
7.510	95104	143320	1.507	0.08	
7.530	1280202	1074066	0.839	1.20	8 Aroclor 1260
7.581	343314	264724	0.771	0.32	
7.617	140993	124657	0.884	0.13	
7.648	220798	146969	0.666	0.20	
7.711	111749	68934	0.617	0.10	
7.748	21403	27745	1.296	0.02	
7.780	279801	254566	0.910	0.26	
7.815	837125	722851	0.863	0.78	
7.849	84397	75561	0.895	0.07	
7.897	570450	291044	0.510	0.53	
7.949	82173	64365	0.783	0.07	
7.987	985482	821459	0.834	0.92	8 Aroclor 1260
8.047	159996	93683	0.586	0.15	
8.138	39522	39649	1.003	0.03	
8.193	30021	24957	0.831	0.02	
8.286	54164	36844	0.680	0.05	
8.335	23604	20855	0.884	0.02	
8.362	1631527	1462812	0.897	1.53	
8.402	19462	19015	0.977	0.01	
8.437	9737	14511	1.490	0.00	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.464	83784	67539	0.806	0.07	
8.541	32641	24509	0.751	0.03	
8.660	12159150	10449422	0.859	12.27	$ 12 Decachlorobiphenyl
8.793	125898	115193	0.915	0.11	
8.816	210157	179040	0.852	0.19	
8.928	32405	30769	0.950	0.03	
9.005	18484	12697	0.687	0.01	
9.082	42477	31761	0.748	0.03	
9.118	13596	12122	0.892	0.01	
9.143	33476	23813	0.711	0.03	
9.256	95711	80213	0.838	0.09	
9.369	20381	18936	0.929	0.01	
9.415	31267	23631	0.756	0.02	
9.494	11663	11009	0.944	0.01	
9.552	10096	11944	1.183	0.00	
9.630	33638	28547	0.849	0.03	
9.649	12052	11678	0.969	0.01	
9.787	27869	31621	1.135	0.02	
9.827	58289	48591	0.834	0.05	
	106294770	92996893		100.000	

Total unknown % area = 57

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718063.D
Lab Smp Id: 40148722007 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:29
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722007,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 63
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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

Operator disabled compound identification.

$	2 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.550	2.550	0.000	10409026	0.08790	44			

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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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.345	4.347	-0.002	550406	0.22166	110	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	400700	0.08993	45	0.00- 20.00	72.80	BA
4.899	4.900	-0.001	401827	0.18675	93	0.00- 20.00	73.01	BA
4.965	4.967	-0.002	1585964	0.28120	140	0.00- 20.00	288.14	BA
5.125	5.127	-0.002	351246	0.08911	44	0.00- 20.00	63.82	BA
Average of Peak Concentrations =					87			
7 Aroclor 1254					CAS #: 11097-69-1			
5.248	5.249	-0.001	2239242	0.39386	200	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	718688	0.15281	76	0.00- 20.00	32.10	BA
5.597	5.598	-0.001	2208073	0.25620	130	0.00- 20.00	98.61	BA
6.115	6.117	-0.002	1220413	0.22724	110	0.00- 20.00	54.50	BA
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					130			
8 Aroclor 1260					CAS #: 11096-82-5			
6.388	6.388	0.000	5782526	0.59025	290	0.00- 20.00	100.00(M)	CO
7.092	7.092	0.000	2751965	0.23953	120	0.00- 20.00	47.59	CO
7.339	7.340	-0.001	1102092	0.19890	99	0.00- 20.00	19.06	CO
7.530	7.531	-0.001	1280201	0.37968	190	0.00- 20.00	22.14	CO
7.987	7.988	-0.001	985482	0.31791	160	0.00- 20.00	17.04	CO
Average of Peak Concentrations =					170			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.660	8.660	0.000	12159149	0.09433	47			

QC Flag Legend

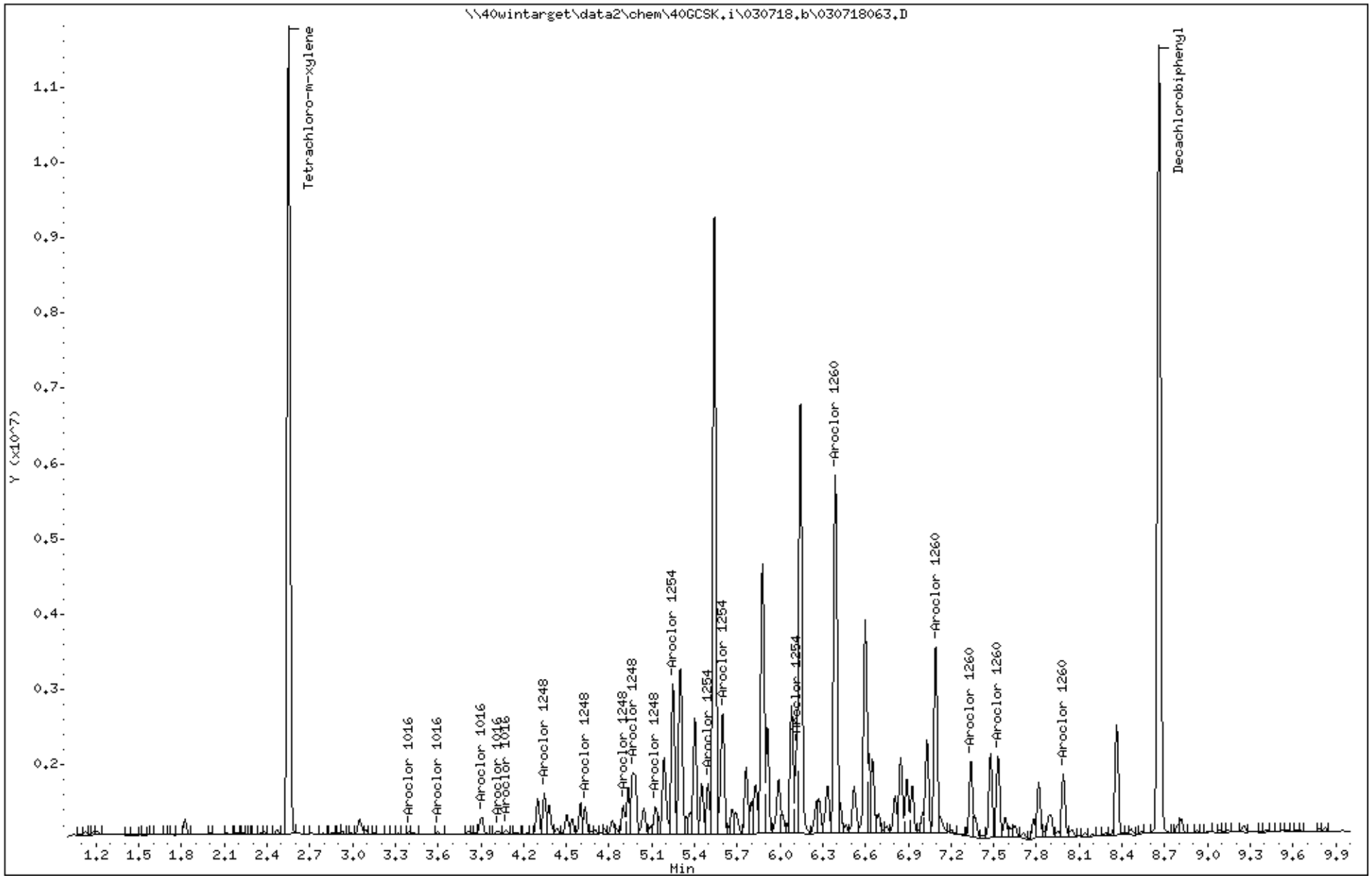
M - Compound response manually integrated.

Review Codes Legend

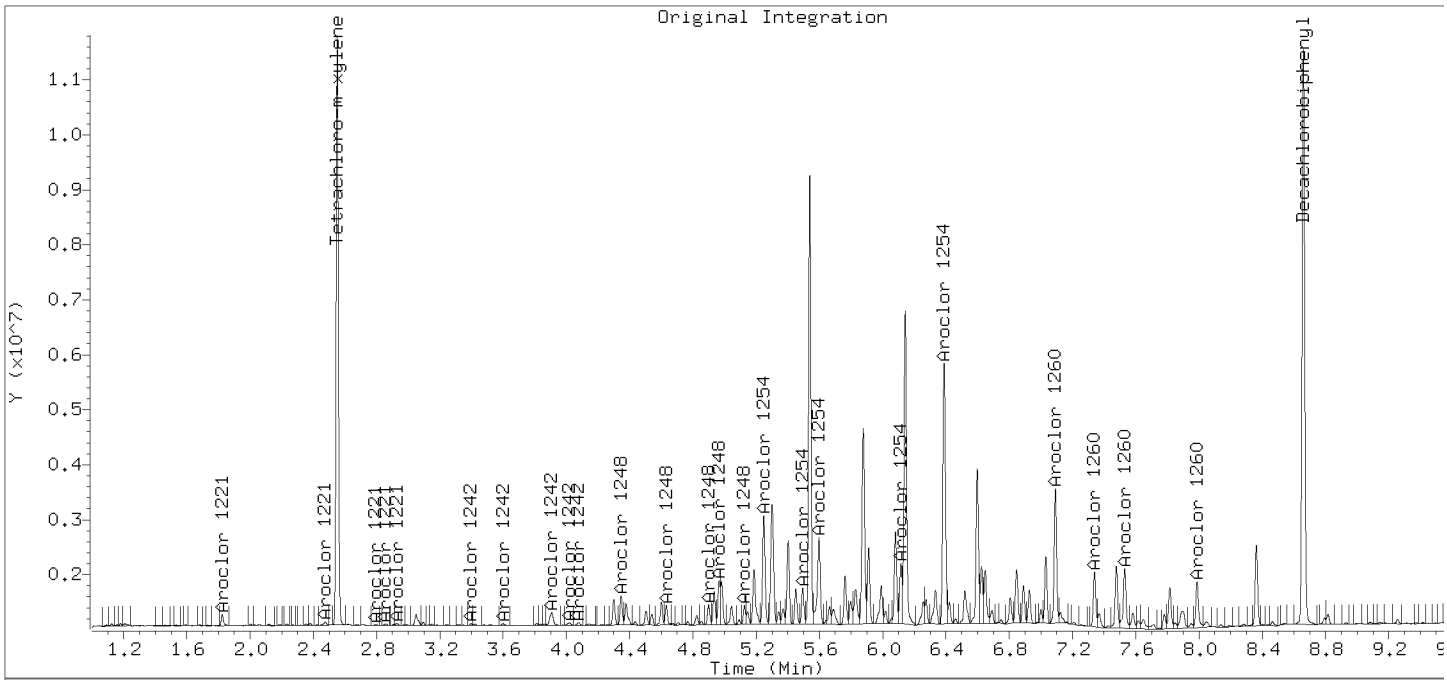
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

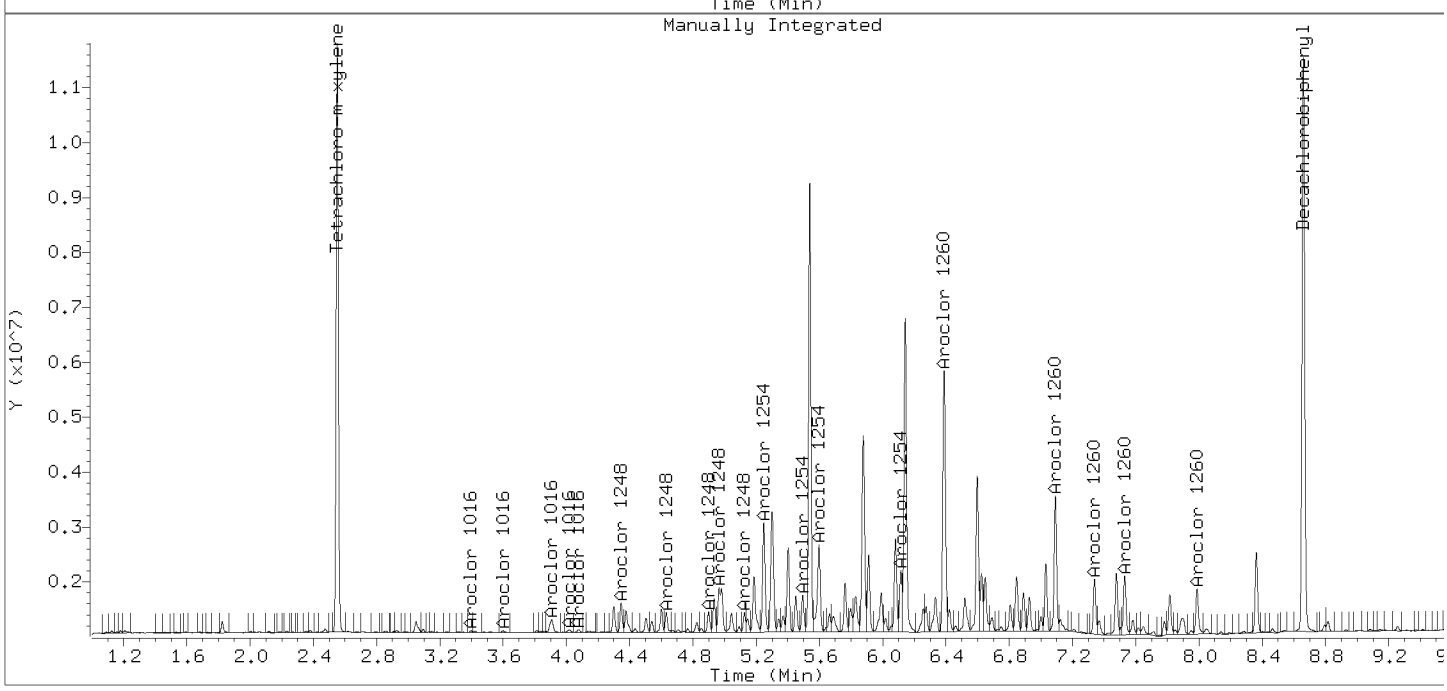
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718063.D
Date : 07-MAR-2018 21:29
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722007,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718063.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 21:29 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722007





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	206760	0	
Aroclor 1221	206760	0	
Aroclor 1221	206760	0	
Aroclor 1221	206760	0	
Aroclor 1221	206760	0	
Aroclor 1232	45940	0	
Aroclor 1232	45940	0	
Aroclor 1232	45940	0	
Aroclor 1232	45940	0	

Aroclor 1232	45940	0	
Aroclor 1242	32074	0	
Aroclor 1242	32074	0	
Aroclor 1242	32074	0	
Aroclor 1242	32074	0	
Aroclor 1242	32074	0	
Aroclor 1248	530575	550406	BA
Aroclor 1248	530575	550406	BA
Aroclor 1248	530575	550406	BA
Aroclor 1248	530575	550406	BA
Aroclor 1248	530575	550406	BA
Aroclor 1254	2193538	2239242	BA
Aroclor 1254	2193538	2239242	BA
Aroclor 1254	2193538	2239242	BA
Aroclor 1254	2193538	2239242	BA
Aroclor 1254	2193538	2239242	BA
Aroclor 1260	5745003	5782526	CO
Aroclor 1260	5745003	5782526	CO
Aroclor 1260	5745003	5782526	CO
Aroclor 1260	5745003	5782526	CO
Aroclor 1260	5745003	5782526	CO
Tetrachloro-m-xylene	10409026	10409026	
Decachlorobiphenyl	12159149	12159149	

==========

SAMPLE NO.

TZ1-170420-01-STB-13

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/02/2018 06:50
Lab Sample ID: 40148722008
Date Analyzed: 03/07/2018 21:46
Lab File ID: 030718.B\030718065.D
Initial wt/vol: 9.9787 g Final wt/vol: 5 mL Dilution: 1
Instrument: 40GCSK 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)	88.8	
11097-69-1	PCB-1254 (Aroclor 1254)	135	
11096-82-5	PCB-1260 (Aroclor 1260)	161	
1336-36-3	PCB, Total	385	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718065.D
Lab Smp Id: 40148722008 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722008,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 65
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.979	Weight of sample extracted
M	0.00000	%Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS	REVIEW CODE
1.014	16101	19578	1.216	0.01			
1.049	9793	5144	0.525	0.01			
1.090	24168	14155	0.586	0.02			
1.121	13188	12492	0.947	0.01			
1.182	12552	13146	1.047	0.01			
1.208	18271	18849	1.032	0.02			
1.821	9601	10126	1.055	0.01		1 Aroclor 1221	
2.118	13302	14587	1.097	0.01			
2.184	13580	13549	0.998	0.01			
2.231	24005	26169	1.090	0.02			
2.269	12463	12095	0.971	0.01			
2.319	11076	10114	0.913	0.01			
2.357	30981	31296	1.010	0.03			
2.379	33493	35030	1.046	0.03			
2.474	28205	24927	0.884	0.03		1 Aroclor 1221	
2.551	8124080	8424493	1.037	9.39	$	2 Tetrachloro-m-xylene	
2.775	10905	6675	0.612	0.01		1 Aroclor 1221	
2.860	20448	18081	0.884	0.02		1 Aroclor 1221	
2.928	25865	21485	0.831	0.02		1 Aroclor 1221	
3.048	76562	64191	0.838	0.08			
3.096	26024	26632	1.023	0.03			
3.134	15241	10148	0.666	0.01			
3.237	10637	10910	1.026	0.01			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.397	34777	34925	1.004	0.04	5 Aroclor 1016
3.425	30130	30924	1.026	0.03	
3.479	10261	10040	0.978	0.01	
3.515	14742	15227	1.033	0.01	
3.600	37974	35083	0.924	0.04	5 Aroclor 1016
3.812	50146	48271	0.963	0.05	
3.839	43712	27727	0.634	0.05	
3.909	333877	218927	0.656	0.38	5 Aroclor 1016
4.022	77574	47846	0.617	0.08	5 Aroclor 1016
4.077	73786	55512	0.752	0.08	5 Aroclor 1016
4.135	79924	55777	0.698	0.09	
4.221	19812	13537	0.683	0.02	
4.299	561148	508733	0.907	0.64	
4.346	556815	552975	0.993	0.64	6 Aroclor 1248
4.377	529973	416221	0.785	0.61	
4.433	48712	39626	0.813	0.05	
4.503	289808	267173	0.922	0.33	
4.539	204608	193248	0.944	0.23	
4.595	17895	18420	1.029	0.02	
4.632	409707	386886	0.944	0.47	6 Aroclor 1248
4.675	52058	43046	0.827	0.06	
4.706	67161	56369	0.839	0.07	
4.766	59935	53427	0.891	0.06	
4.824	126250	94140	0.746	0.14	
4.853	111089	92592	0.833	0.12	
4.899	409433	397253	0.970	0.47	6 Aroclor 1248
4.935	482994	458561	0.949	0.55	
4.966	1633433	831305	0.509	1.88	6 Aroclor 1248
5.043	340939	282731	0.829	0.39	
5.091	62827	58231	0.927	0.07	
5.125	354467	335802	0.947	0.40	6 Aroclor 1248
5.147	169002	158697	0.939	0.19	
5.188	955431	824400	0.863	1.10	
5.248	1996572	1748464	0.876	2.30	7 Aroclor 1254
5.299	2312376	1983889	0.858	2.67	
5.342	132691	117651	0.887	0.15	
5.371	237232	215591	0.909	0.27	
5.401	741474	668692	0.902	0.85	
5.450	660617	599742	0.908	0.76	
5.494	819445	767386	0.936	0.94	7 Aroclor 1254
5.539	4268061	4144629	0.971	4.93	
5.574	186470	227923	1.222	0.21	
5.597	2149496	1822844	0.848	2.48	7 Aroclor 1254
5.643	69793	75855	1.087	0.08	
5.664	205812	180099	0.875	0.23	
5.691	293183	218268	0.744	0.33	
5.762	906004	844854	0.933	1.04	
5.798	392976	322638	0.821	0.45	
5.828	874312	635358	0.727	1.01	
5.877	4868378	4132937	0.849	5.62	
5.910	877562	751405	0.856	1.01	
5.974	201625	197536	0.980	0.23	
5.991	359975	327200	0.909	0.41	
6.017	240593	210657	0.876	0.27	
6.052	47126	54396	1.154	0.05	
6.080	1558961	1443606	0.926	1.80	
6.113	1612750	1478873	0.917	1.86	7 Aroclor 1254

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.142	6063023	5288364	0.872	7.00	
6.257	587841	449795	0.765	0.67	
6.274	304428	309892	1.018	0.35	
6.332	916443	557899	0.609	1.05	
6.387	6350441	5429212	0.855	7.34	8 Aroclor 1260
6.422	576235	526876	0.914	0.66	
6.462	142786	115174	0.807	0.16	
6.520	727429	461294	0.634	0.84	
6.572	117185	109932	0.938	0.13	
6.597	2451314	2160142	0.881	2.83	
6.625	1234355	1169222	0.947	1.42	
6.648	926480	831569	0.898	1.07	
6.692	351629	298221	0.848	0.40	
6.749	87613	76666	0.875	0.10	
6.806	428799	394160	0.919	0.49	
6.848	850803	753187	0.885	0.98	
6.890	997335	917621	0.920	1.15	
6.928	507239	445373	0.878	0.58	
6.976	43960	45348	1.032	0.05	
7.001	145128	143877	0.991	0.16	
7.032	759344	726974	0.957	0.87	
7.092	2820225	2600097	0.922	3.26	8 Aroclor 1260
7.122	203215	198747	0.978	0.23	
7.141	147526	118653	0.804	0.17	
7.208	35718	35054	0.981	0.04	
7.339	1167333	1066043	0.913	1.34	8 Aroclor 1260
7.369	292170	248913	0.852	0.33	
7.420	30550	22046	0.722	0.03	
7.477	896410	784648	0.875	1.03	
7.508	39285	68052	1.732	0.04	
7.530	889281	765701	0.861	1.02	8 Aroclor 1260
7.585	92677	57664	0.622	0.10	
7.615	22598	22581	0.999	0.02	
7.643	92857	65313	0.703	0.10	
7.778	225521	197275	0.875	0.26	
7.815	310031	267777	0.864	0.35	
7.850	67041	57187	0.853	0.07	
7.901	213841	121294	0.567	0.24	
7.951	24122	21420	0.888	0.02	
7.988	754094	681429	0.904	0.87	8 Aroclor 1260
8.048	112328	65818	0.586	0.12	
8.138	14822	12230	0.825	0.01	
8.270	15209	18252	1.200	0.01	
8.285	16089	18563	1.154	0.01	
8.362	633885	587099	0.926	0.73	
8.406	13929	14489	1.040	0.01	
8.464	80123	63032	0.787	0.09	
8.540	42769	26848	0.628	0.04	
8.659	9660903	8513535	0.881	11.85	$ 12 Decachlorobiphenyl
8.792	12415	17216	1.387	0.01	
8.815	48644	39964	0.822	0.05	
9.258	67952	59310	0.873	0.07	
9.415	12739	12732	0.999	0.01	
9.627	19323	11656	0.603	0.02	
9.785	17677	16196	0.916	0.02	
	86507538	76765629		100.000	

Total unknown % area = 53

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718065.D
Lab Smp Id: 40148722008 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 21:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 40148722008,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 65
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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
Vi	1.000	Volume injected (uL)
Ws	9.979	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		
Qualifier signal(s) failed ratio test.								
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.550	2.550	0.000	8124080	0.06860	34			
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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.345	4.347	-0.002	556815	0.22424	110	0.00- 20.00	100.00(M)	BA
4.631	4.632	-0.001	409707	0.09195	46	0.00- 20.00	73.58	BA
4.898	4.900	-0.002	409432	0.19029	95	0.00- 20.00	73.53	BA
4.966	4.967	-0.001	1633432	0.28962	140	0.00- 20.00	293.35	BA
5.124	5.127	-0.003	354467	0.08993	45	0.00- 20.00	63.66	BA
Average of Peak Concentrations =					89			
7 Aroclor 1254					CAS #: 11097-69-1			
5.247	5.249	-0.002	1996571	0.35117	180	0.00- 20.00	100.00(M)	CO
5.494	5.496	-0.002	819445	0.17424	87	0.00- 20.00	41.04	CO
5.596	5.598	-0.002	2149495	0.24940	120	0.00- 20.00	107.66	CO
6.113	6.117	-0.004	1612750	0.30030	150	0.00- 20.00	80.78	CO
6.388	6.388	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO
Average of Peak Concentrations =					130			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	6350440	0.64822	320	0.00- 20.00	100.00(M)	CO
7.091	7.092	-0.001	2820224	0.24547	120	0.00- 20.00	44.41	CO
7.339	7.340	-0.001	1167333	0.21067	100	0.00- 20.00	18.38	CO
7.529	7.531	-0.002	889281	0.26374	130	0.00- 20.00	14.00	CO
7.987	7.988	-0.001	754093	0.24326	120	0.00- 20.00	11.87	CO
Average of Peak Concentrations =					160			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.658	8.660	-0.002	9660902	0.07495	38			

QC Flag Legend

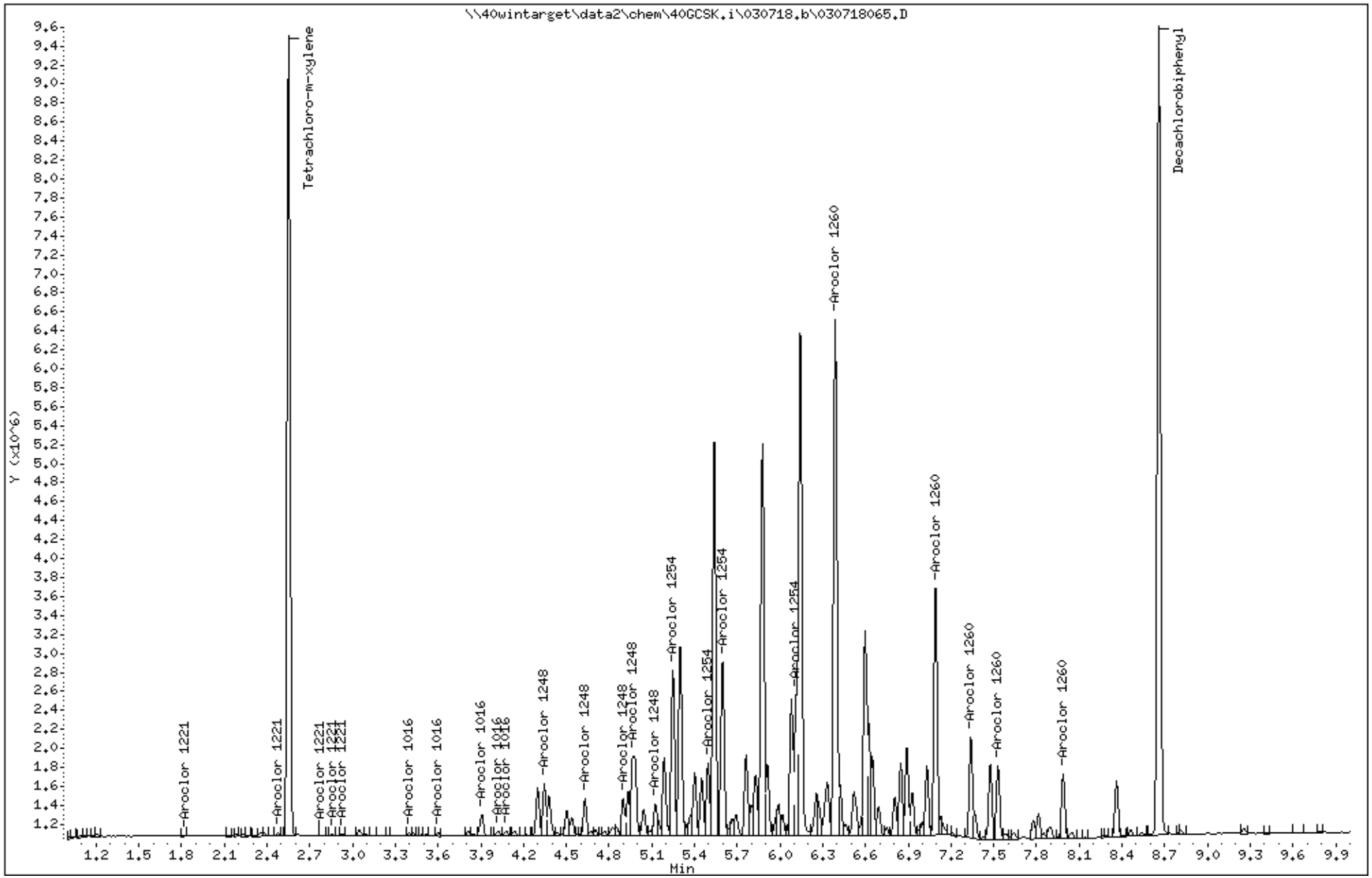
M - Compound response manually integrated.

Review Codes Legend

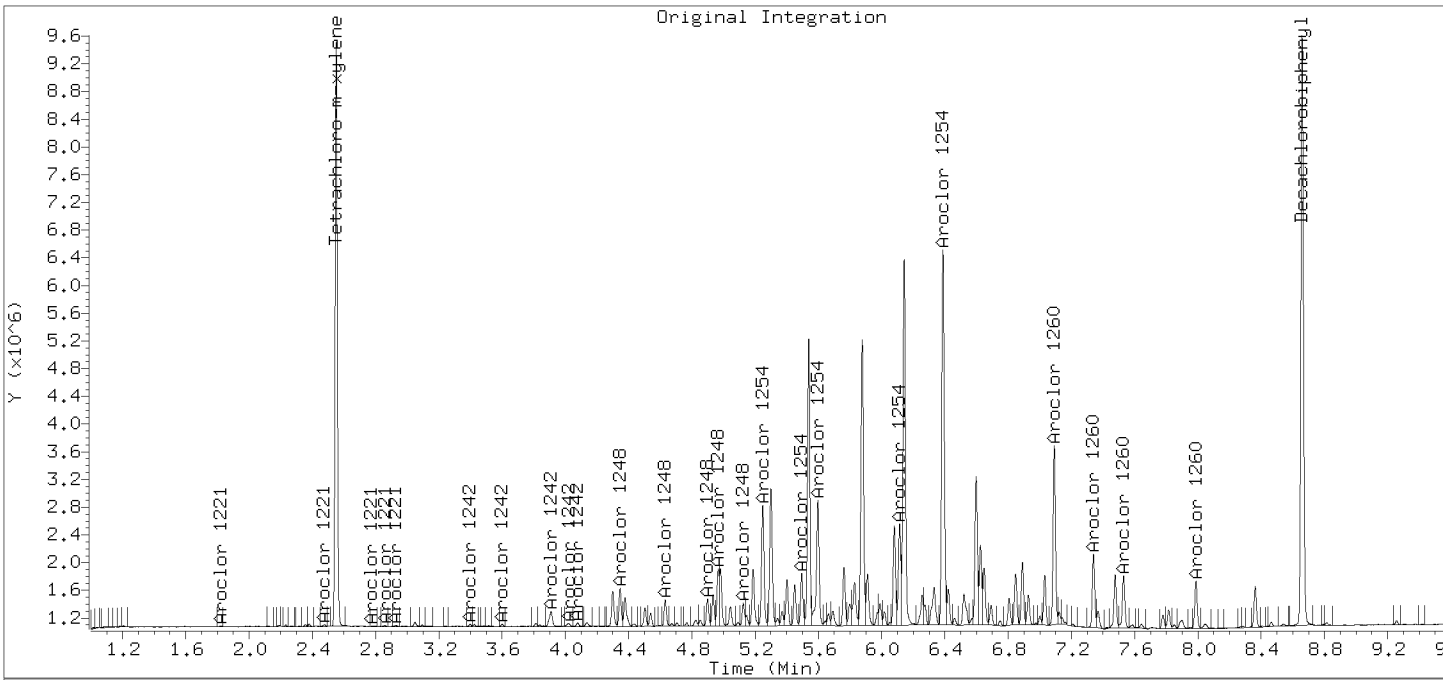
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

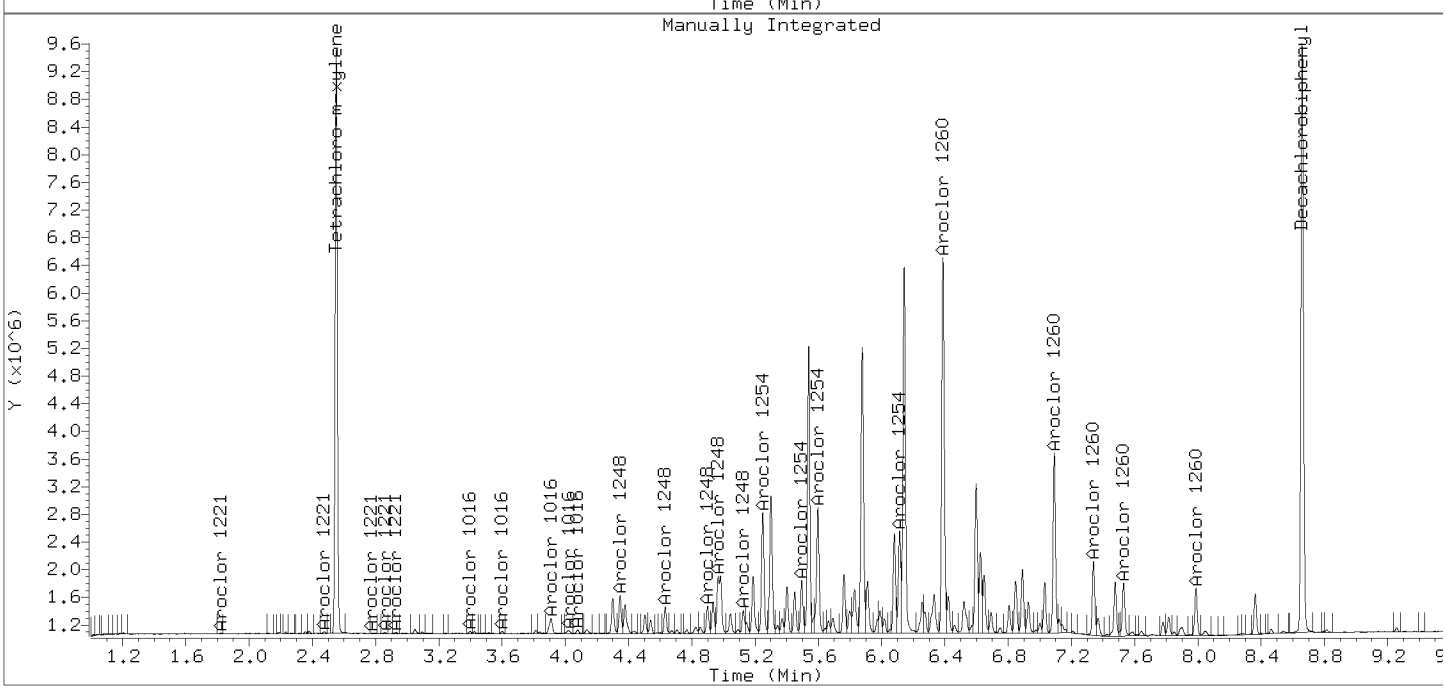
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718065.D
Date : 07-MAR-2018 21:46
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722008,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718065.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 21:46 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 40148722008





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	25865	0	
Aroclor 1232	25865	0	
Aroclor 1232	25865	0	
Aroclor 1232	25865	0	

Aroclor 1232	25865	0	
Aroclor 1242	34777	0	
Aroclor 1242	34777	0	
Aroclor 1242	34777	0	
Aroclor 1242	34777	0	
Aroclor 1242	34777	0	
Aroclor 1248	550703	556815	BA
Aroclor 1248	550703	556815	BA
Aroclor 1248	550703	556815	BA
Aroclor 1248	550703	556815	BA
Aroclor 1248	550703	556815	BA
Aroclor 1254	1968085	1996571	CO
Aroclor 1254	1968085	1996571	CO
Aroclor 1254	1968085	1996571	CO
Aroclor 1254	1968085	1996571	CO
Aroclor 1254	1968085	1996571	CO
Aroclor 1260	6296241	6350440	CO
Aroclor 1260	6296241	6350440	CO
Aroclor 1260	6296241	6350440	CO
Aroclor 1260	6296241	6350440	CO
Aroclor 1260	6296241	6350440	CO
Tetrachloro-m-xylene	8124080	8124080	
Decachlorobiphenyl	9660902	9660902	

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SAMPLE NO.

TZ1-170420-01-STB-12

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/05/2018 07:12
Lab Sample ID: 40148722009
Date Analyzed: 03/07/2018 15:18
Lab File ID: 030718.B\030718018.D
Initial wt/vol: 9.9765 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)	49.6	J
11097-69-1	PCB-1254 (Aroclor 1254)	71.2	
11096-82-5	PCB-1260 (Aroclor 1260)	137	
1336-36-3	PCB, Total	257	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718018.D
Lab Smp Id: 40148722009 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:18
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40148722009,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 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	9.976	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.076	17846	14468	0.811	0.02		
1.107	19598	20920	1.067	0.02		
1.161	22839	23816	1.043	0.03		
1.185	37754	25096	0.665	0.05		
1.426	17220	13208	0.767	0.02		
1.498	16819	16313	0.970	0.02		
1.634	13185	12614	0.957	0.01		
1.688	18465	10743	0.582	0.02		
1.770	25178	17494	0.695	0.03		
1.950	11640	13324	1.145	0.01		
2.012	24147	13828	0.573	0.03		
2.064	15856	12905	0.814	0.02		
2.130	24010	14940	0.622	0.03		
2.171	18912	21074	1.114	0.02		
2.213	10502	9030	0.860	0.01		
2.259	13015	10917	0.839	0.01		
2.293	23257	24144	1.038	0.03		
2.317	38095	36773	0.965	0.05		
2.409	119427	109519	0.917	0.16		
2.486	12694052	12342667	0.972	17.83	$ 2 Tetrachloro-m-xylene	
2.553	10294	10842	1.053	0.01		
2.718	9716	6562	0.675	0.01		
2.787	25810	21976	0.851	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.857	26284	20980	0.798	0.03	
2.975	222074	157512	0.709	0.29	
3.021	46546	37946	0.815	0.06	
3.075	15550	11499	0.739	0.02	
3.161	11107	8327	0.750	0.01	
3.245	12516	9152	0.731	0.01	
3.320	23834	25382	1.065	0.03	3 Aroclor 1242
3.347	29984	22826	0.761	0.04	
3.520	37102	27519	0.742	0.04	3 Aroclor 1242
3.733	30175	29763	0.986	0.04	
3.757	17281	19082	1.104	0.02	
3.825	245175	135236	0.552	0.32	3 Aroclor 1242
3.937	61931	35886	0.579	0.08	3 Aroclor 1242
3.995	54340	42162	0.776	0.07	3 Aroclor 1242
4.061	40965	22060	0.539	0.05	
4.135	14044	11774	0.838	0.01	
4.216	301583	268458	0.890	0.40	
4.262	301933	290138	0.961	0.40	6 Aroclor 1248
4.293	240901	176922	0.734	0.32	
4.349	46633	34687	0.744	0.06	
4.417	186624	166135	0.890	0.25	
4.454	126741	103825	0.819	0.17	
4.510	39582	23542	0.595	0.05	
4.546	251294	220272	0.877	0.33	6 Aroclor 1248
4.589	26978	23715	0.879	0.03	
4.618	55269	38821	0.702	0.07	
4.655	18874	19071	1.010	0.02	
4.683	53301	38593	0.724	0.07	
4.738	107073	85768	0.801	0.14	
4.769	50468	45095	0.894	0.06	
4.814	196422	171128	0.871	0.26	6 Aroclor 1248
4.847	326995	299158	0.915	0.43	
4.894	781309	442596	0.566	1.05	6 Aroclor 1248
4.942	30866	37137	1.203	0.04	
4.957	209095	182753	0.874	0.28	
5.004	57579	55569	0.965	0.07	
5.038	191376	183405	0.958	0.25	6 Aroclor 1248
5.060	160858	151606	0.942	0.21	
5.101	711897	488236	0.686	0.95	
5.163	1127682	1022315	0.907	1.51	7 Aroclor 1254
5.215	1303618	1156500	0.887	1.75	
5.255	118548	110506	0.932	0.15	
5.283	164339	139373	0.848	0.22	
5.314	703794	693612	0.986	0.94	
5.364	348840	307416	0.881	0.46	
5.408	373164	338730	0.908	0.50	7 Aroclor 1254
5.453	3873150	3732827	0.964	5.20	
5.510	1052573	833247	0.792	1.41	7 Aroclor 1254
5.579	229569	189943	0.827	0.30	
5.605	214454	137852	0.643	0.28	
5.676	509004	460433	0.905	0.68	
5.711	355703	254733	0.716	0.47	
5.743	421862	305739	0.725	0.56	
5.790	2144736	1705498	0.795	2.88	
5.823	711553	607031	0.853	0.95	
5.902	443545	308869	0.696	0.59	
5.932	163542	139046	0.850	0.21	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.965	65980	64611	0.979	0.08	
5.995	969586	871491	0.899	1.30	
6.028	634815	573921	0.904	0.85	7 Aroclor 1254
6.056	3445249	3028995	0.879	4.63	
6.172	303290	264907	0.873	0.40	
6.186	357249	321595	0.900	0.48	
6.245	495004	287486	0.581	0.66	
6.301	2886397	2378947	0.824	3.87	8 Aroclor 1260
6.334	223370	203361	0.910	0.30	
6.375	86843	68342	0.787	0.11	
6.408	33481	35828	1.070	0.04	
6.433	545241	402489	0.738	0.73	
6.511	2157624	1936776	0.898	2.90	
6.537	457135	458669	1.003	0.61	
6.562	772837	655666	0.848	1.03	
6.605	188354	134949	0.716	0.25	
6.643	31472	29945	0.951	0.04	
6.663	84414	73097	0.866	0.11	
6.719	442735	348014	0.786	0.59	
6.760	701869	584899	0.833	0.94	
6.803	436724	396246	0.907	0.58	
6.839	606538	513840	0.847	0.81	
6.888	34438	38876	1.129	0.04	
6.914	277446	259906	0.937	0.37	
6.942	642197	621444	0.968	0.86	
7.006	1874669	1656449	0.884	2.51	8 Aroclor 1260
7.036	213587	153953	0.721	0.28	
7.075	36208	37849	1.045	0.04	
7.122	63054	52072	0.826	0.08	
7.168	21174	11353	0.536	0.02	
7.252	713178	585941	0.822	0.95	8 Aroclor 1260
7.283	217152	166893	0.769	0.29	
7.341	32197	25104	0.780	0.04	
7.391	1090338	970789	0.890	1.46	
7.420	55127	88485	1.605	0.07	
7.443	1088551	956146	0.878	1.46	8 Aroclor 1260
7.492	211004	164487	0.780	0.28	
7.529	99910	87160	0.872	0.13	
7.562	140906	100623	0.714	0.18	
7.623	84361	46850	0.555	0.11	
7.667	8621	14164	1.643	0.01	
7.693	181696	179804	0.990	0.24	
7.728	1068814	961670	0.900	1.43	
7.764	62040	59415	0.958	0.08	
7.803	551611	344002	0.624	0.74	
7.862	81251	61088	0.752	0.10	
7.902	862669	725001	0.840	1.15	8 Aroclor 1260
7.958	151137	78096	0.517	0.20	
8.050	40257	32117	0.798	0.05	
8.105	28129	24281	0.863	0.03	
8.155	13498	9696	0.718	0.01	
8.194	59802	41056	0.687	0.08	
8.244	14826	15402	1.039	0.01	
8.276	2187288	1936673	0.885	2.93	
8.350	9835	14017	1.425	0.01	
8.379	87488	69268	0.792	0.11	
8.450	38137	29405	0.771	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.478	21646	19410	0.897	0.02	
8.571	12018810	10367062	0.863	16.15	$ 12 Decachlorobiphenyl
8.674	12233	15192	1.242	0.01	
8.704	70980	79496	1.120	0.09	
8.727	202143	186727	0.924	0.27	
8.837	34417	30104	0.875	0.04	
8.946	26469	18399	0.695	0.03	
8.992	49405	41104	0.832	0.06	
9.032	23190	18123	0.781	0.03	
9.056	59194	35308	0.596	0.07	
9.094	39469	23747	0.602	0.05	
9.171	141642	111830	0.790	0.19	
9.226	15115	10888	0.720	0.02	
9.286	30103	23112	0.768	0.04	
9.332	58462	37066	0.634	0.07	
9.407	24359	19659	0.807	0.03	
9.467	67041	31156	0.465	0.09	
9.545	84089	41619	0.495	0.11	
9.598	16828	15643	0.930	0.02	
9.678	18697	17050	0.912	0.02	
9.702	64893	55966	0.862	0.08	
9.735	115700	88284	0.763	0.15	
9.777	12501	12408	0.993	0.01	
9.808	9301	9130	0.982	0.01	
9.857	25544	15450	0.605	0.03	
9.940	10711	12848	1.200	0.01	
9.961	27095	17778	0.656	0.03	
	74398716	65018747		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718018.D
Lab Smp Id: 40148722009 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:18
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 40148722009,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 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	9.976	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	12694051	0.10296	52			
3 Aroclor 1242					CAS #: 53469-21-9			
Qualifier signal(s) failed ratio test.								BA
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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.261	4.261	0.000	301932	0.12887	64	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	251294	0.06055	30	0.00- 20.00	83.23	BA
4.813	4.812	0.001	196422	0.09676	48	0.00- 20.00	65.06	BA
4.894	4.879	0.015	781309	0.15510	78	0.00- 20.00	258.77	BA
5.037	5.038	-0.001	191376	0.05333	27	0.00- 20.00	63.38	BA
Average of Peak Concentrations =					50			
7 Aroclor 1254					CAS #: 11097-69-1			
5.162	5.162	0.000	1127682	0.21540	110	0.00- 20.00	100.00(M)	BA
5.407	5.408	-0.001	373163	0.08676	43	0.00- 20.00	33.09	BA
5.509	5.510	-0.001	1052573	0.13553	68	0.00- 20.00	93.34	BA
6.027	6.027	0.000	634814	0.13036	65	0.00- 20.00	56.29	BA
6.299	6.299	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					71			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	2886396	0.32569	160	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	1874669	0.18720	94	0.00- 20.00	64.95	BA
7.251	7.251	0.000	713178	0.14921	75	0.00- 20.00	24.71	BA
7.442	7.443	-0.001	1088550	0.37342	190	0.00- 20.00	37.71	BA
7.902	7.901	0.001	862669	0.32693	160	0.00- 20.00	29.89	BA
Average of Peak Concentrations =					140			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.570	8.571	-0.001	12018810	0.10970	55			

QC Flag Legend

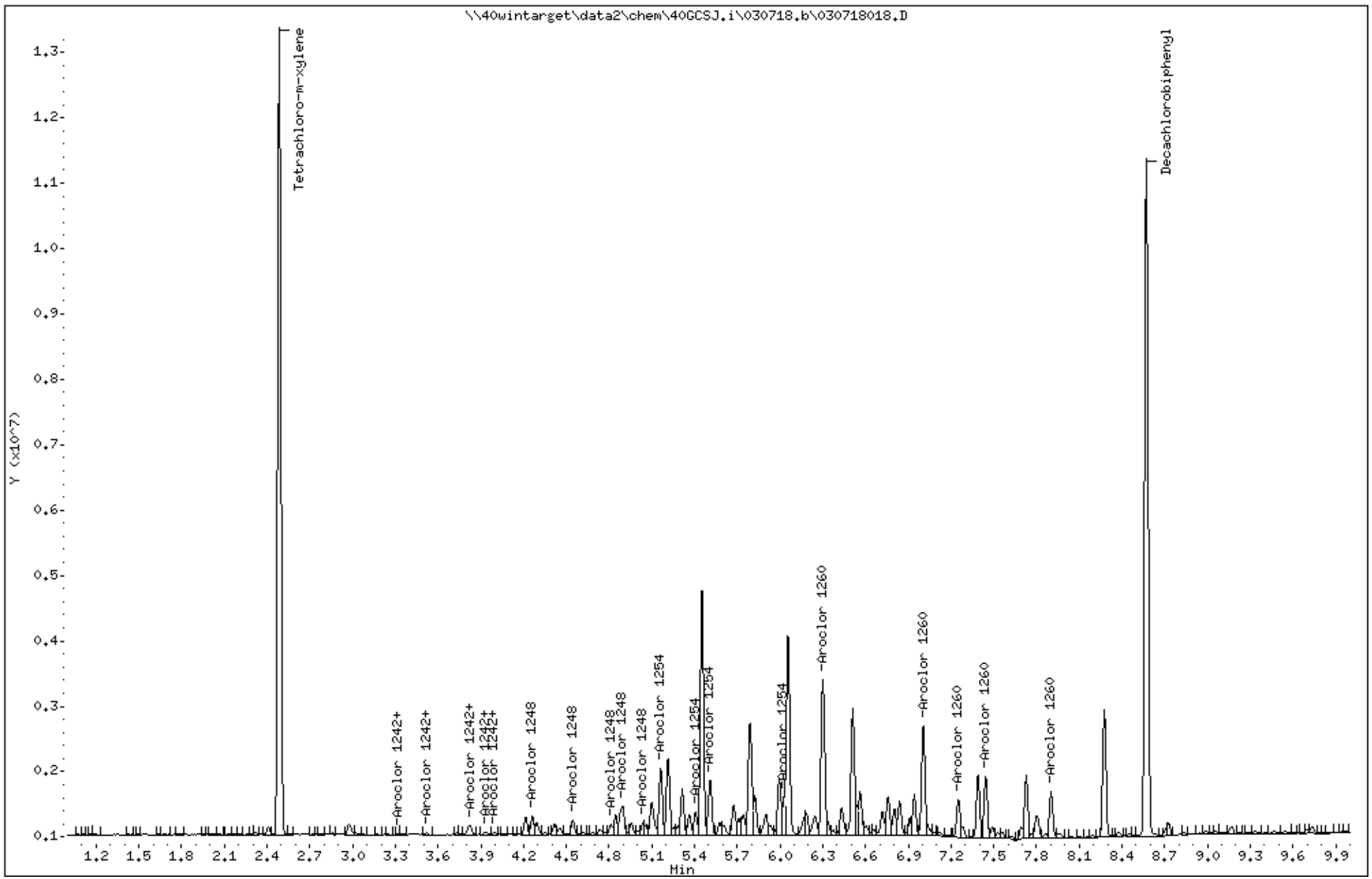
M - Compound response manually integrated.

Review Codes Legend

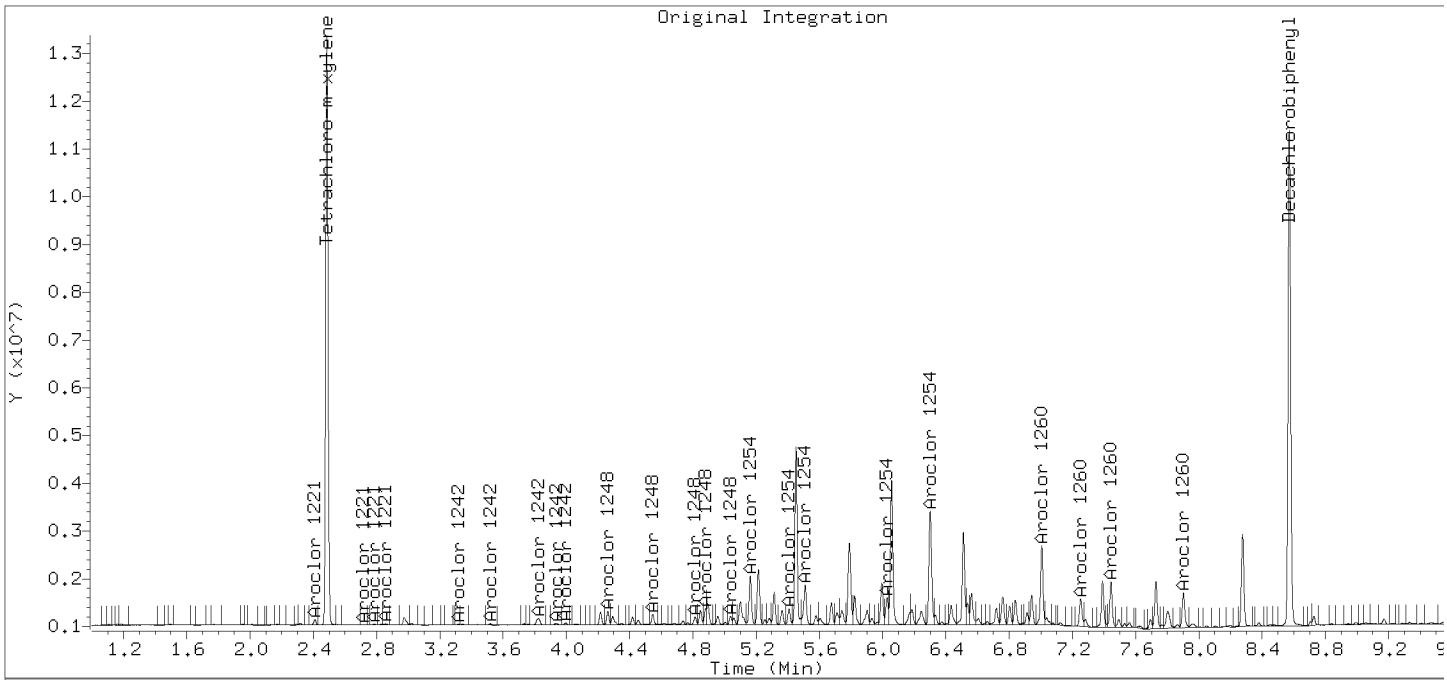
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

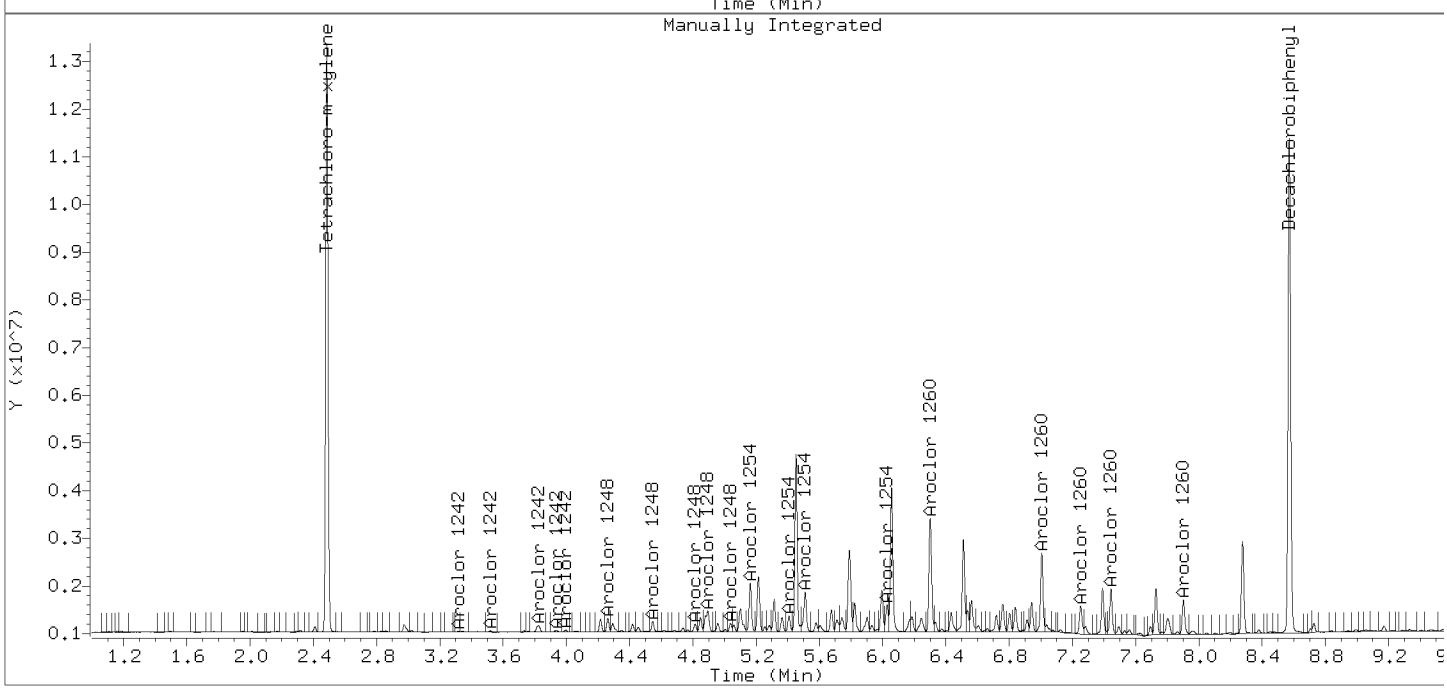
Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718018.D
Date : 07-MAR-2018 15:18
Client ID: TZ1-170420-01-STB-1
Sample Info: 40148722009,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718018.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 15:18 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 40148722009





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1221	0	0	
Aroclor 1232	26283	0	
Aroclor 1232	26283	0	
Aroclor 1232	26283	0	
Aroclor 1232	26283	0	

Aroclor 1232	26283	0	
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1248	297308	301932	BA
Aroclor 1248	297308	301932	BA
Aroclor 1248	297308	301932	BA
Aroclor 1248	297308	301932	BA
Aroclor 1248	297308	301932	BA
Aroclor 1254	1119288	1127682	BA
Aroclor 1254	1119288	1127682	BA
Aroclor 1254	1119288	1127682	BA
Aroclor 1254	1119288	1127682	BA
Aroclor 1254	1119288	1127682	BA
Aroclor 1260	2875258	2886396	BA
Aroclor 1260	2875258	2886396	BA
Aroclor 1260	2875258	2886396	BA
Aroclor 1260	2875258	2886396	BA
Aroclor 1260	2875258	2886396	BA
Tetrachloro-m-xylene	12694051	12694051	
Decachlorobiphenyl	12018810	12018810	

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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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Green Bay Instrument ID: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1016	1	Averaged	3274960.00	3269125.00	2967228.00	2876502.50	2833165.00
Aroclor 1016	2	Averaged	3332330.00	3269300.00	3041946.00	2965638.75	2917635.00
Aroclor 1016	3	Averaged	10034310.0	9782660.00	9019746.00	8890233.75	8852360.00
Aroclor 1016	4	Averaged	4266510.00	4178970.00	3846018.00	3738796.25	3709517.00
Aroclor 1016	5	Averaged	2849090.00	2749005.00	2570538.00	2549456.25	2519627.00
Aroclor 1221	1	Averaged	1110420.00	1103425.00	945020.000	910096.250	903333.000
Aroclor 1221	2	Averaged	628250.000	597435.000	497196.000	475523.750	476187.000
Aroclor 1221	3	Averaged	1569240.00	1512205.00	1331512.00	1308573.75	1318154.00
Aroclor 1221	4	Averaged	1215040.00	1160490.00	1042040.00	1042850.00	1086008.00
Aroclor 1221	5	Averaged	3715370.00	3661410.00	3215342.00	3095605.00	3118782.00
Aroclor 1242	1	Averaged	2772040.00	2679645.00	2557954.00	2351651.25	2317496.00
Aroclor 1242	2	Averaged	2806130.00	2680745.00	2580668.00	2393405.00	2378643.00
Aroclor 1242	3	Averaged	8271950.00	8044450.00	7576140.00	7104127.50	7113608.00
Aroclor 1242	4	Averaged	3466350.00	3409535.00	3231120.00	3013197.50	3001772.00
Aroclor 1242	5	Averaged	2413760.00	2226755.00	2158228.00	2024763.75	2026605.00
Aroclor 1248	1	Averaged	2682600.00	2616675.00	2492950.00	2322222.50	2301058.00
Aroclor 1248	2	Averaged	4852200.00	4733360.00	4356412.00	4215287.50	4121810.00
Aroclor 1248	3	Averaged	2221540.00	2207835.00	2183646.00	2072852.50	2072505.00
Aroclor 1248	4	Averaged	6082770.00	5910720.00	5645056.00	5290598.75	5270595.00
Aroclor 1248	5	Averaged	4085740.00	4082825.00	3960156.00	3781821.25	3798047.00
Aroclor 1254	1	Averaged	6289850.00	6108865.00	5620860.00	5224048.75	5183400.00
Aroclor 1254	2	Averaged	5008700.00	4969335.00	4691654.00	4432146.25	4413390.00
Aroclor 1254	3	Averaged	9464310.00	9078570.00	8491582.00	8088543.75	7970155.00
Aroclor 1254	4	Averaged	5516070.00	5619905.00	5413152.00	5154030.00	5149284.00
Aroclor 1254	5	Averaged	7899580.00	7830800.00	7303862.00	6896545.00	6825769.00
Aroclor 1260	1	Averaged	10586190.0	10245735.0	9520516.00	9316422.50	9314568.00
Aroclor 1260	2	Averaged	12483220.0	11815745.0	11226176.0	10958355.0	10961506.0
Aroclor 1260	3	Averaged	5800280.00	5722275.00	5488182.00	5335001.25	5359146.00
Aroclor 1260	4	Averaged	3583250.00	3572920.00	3347800.00	3174366.25	3180579.00

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5
Aroclor 1260	5	Averaged	3282580.00	3215065.00	3088340.00	2957420.00	2956178.00
Decachlorobiphenyl (S)		Averaged	145696800.	133321250.	127203300.	119834370.	118476320.
Tetrachloro-m-xylene		Averaged	123159700.	120374450.	114832240.	116479950.	117270820.

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1016	1	Averaged	7.01			3044196.10	
Aroclor 1016	2	Averaged	5.96			3105369.95	
Aroclor 1016	3	Averaged	5.92			9315861.95	
Aroclor 1016	4	Averaged	6.52			3947962.25	
Aroclor 1016	5	Averaged	5.43			2647543.25	
Aroclor 1221	1	Averaged	10.44			994458.85	
Aroclor 1221	2	Averaged	13.55			534918.35	
Aroclor 1221	3	Averaged	8.74			1407936.95	
Aroclor 1221	4	Averaged	6.87			1109285.60	
Aroclor 1221	5	Averaged	9.00			3361301.80	
Aroclor 1242	1	Averaged	7.85			2535757.25	
Aroclor 1242	2	Averaged	7.17			2567918.20	
Aroclor 1242	3	Averaged	6.97			7622055.10	
Aroclor 1242	4	Averaged	6.70			3224394.90	
Aroclor 1242	5	Averaged	7.44			2170022.35	
Aroclor 1248	1	Averaged	6.88			2483101.10	
Aroclor 1248	2	Averaged	7.21			4455813.90	
Aroclor 1248	3	Averaged	3.41			2151675.70	
Aroclor 1248	4	Averaged	6.44			5639947.95	
Aroclor 1248	5	Averaged	3.74			3941717.85	
Aroclor 1254	1	Averaged	8.85			5685404.75	
Aroclor 1254	2	Averaged	6.03			4703045.05	
Aroclor 1254	3	Averaged	7.43			8618632.15	
Aroclor 1254	4	Averaged	3.96			5370488.20	
Aroclor 1254	5	Averaged	6.85			7351311.20	
Aroclor 1260	1	Averaged	5.96			9796686.30	
Aroclor 1260	2	Averaged	5.71			11489000.40	
Aroclor 1260	3	Averaged	3.81			5540976.85	
Aroclor 1260	4	Averaged	5.95			3371783.05	

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CURVE TYPE	%RSD	R2	A1	A2	A3
Aroclor 1260	5	Averaged	4.77			3099916.60	
Decachlorobiphenyl (S)		Averaged	8.63			128906408.0	
Tetrachloro-m-xylene		Averaged	2.80			118423432.0	

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1016	1	3.398	3.397	3.396	3.397	3.397	3.397	3.363	3.431
Aroclor 1016	2	3.594	3.596	3.595	3.595	3.594	3.595	3.561	3.629
Aroclor 1016	3	3.91	3.91	3.91	3.91	3.91	3.91	3.876	3.944
Aroclor 1016	4	4.014	4.014	4.013	4.013	4.013	4.013	3.979	4.047
Aroclor 1016	5	4.079	4.079	4.079	4.079	4.079	4.079	4.045	4.113
Aroclor 1221	1	1.854	1.854	1.854	1.854	1.854	1.853	1.819	1.887
Aroclor 1221	2	2.471	2.472	2.474	2.473	2.473	2.472	2.438	2.506
Aroclor 1221	3	2.759	2.76	2.76	2.759	2.759	2.76	2.726	2.794
Aroclor 1221	4	2.862	2.862	2.862	2.861	2.862	2.862	2.828	2.896
Aroclor 1221	5	2.925	2.925	2.925	2.925	2.925	2.926	2.892	2.96
Aroclor 1242	1	3.397	3.397	3.397	3.397	3.398	3.398	3.364	3.432
Aroclor 1242	2	3.596	3.596	3.595	3.595	3.596	3.596	3.562	3.63
Aroclor 1242	3	3.91	3.911	3.91	3.91	3.911	3.91	3.876	3.944
Aroclor 1242	4	4.013	4.014	4.014	4.014	4.013	4.013	3.979	4.047
Aroclor 1242	5	4.079	4.08	4.08	4.079	4.079	4.08	4.046	4.114
Aroclor 1248	1	4.347	4.345	4.346	4.346	4.346	4.347	4.313	4.381
Aroclor 1248	2	4.633	4.633	4.632	4.632	4.632	4.632	4.598	4.666
Aroclor 1248	3	4.901	4.9	4.9	4.9	4.9	4.9	4.866	4.934
Aroclor 1248	4	4.966	4.967	4.966	4.966	4.966	4.967	4.933	5.001
Aroclor 1248	5	5.127	5.126	5.126	5.126	5.125	5.127	5.093	5.161
Aroclor 1254	1	5.25	5.25	5.249	5.249	5.249	5.249	5.215	5.283
Aroclor 1254	2	5.496	5.495	5.495	5.495	5.494	5.496	5.462	5.53
Aroclor 1254	3	5.598	5.598	5.598	5.598	5.597	5.598	5.564	5.632
Aroclor 1254	4	6.117	6.116	6.115	6.115	6.115	6.117	6.083	6.151
Aroclor 1254	5	6.388	6.388	6.387	6.388	6.387	6.388	6.354	6.422
Aroclor 1260	1	6.388	6.389	6.389	6.389	6.387	6.388	6.354	6.422
Aroclor 1260	2	7.093	7.093	7.092	7.093	7.092	7.092	7.058	7.126
Aroclor 1260	3	7.341	7.339	7.34	7.34	7.34	7.34	7.306	7.374

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 03/06/2018 Calibration Time(s): 11:50 19:23

LAB FILE ID

CAL1A =	030618.B\030618055.D	CAL1B =	030618.B\030618019.D	CAL1C =	030618.B\030618043.D
CAL1D =	030618.B\030618031.D	CAL1F =	030618.B\030618007.D	CAL2A =	030618.B\030618057.D
CAL2B =	030618.B\030618021.D	CAL2C =	030618.B\030618045.D	CAL2D =	030618.B\030618033.D
CAL2F =	030618.B\030618009.D	CAL3A =	030618.B\030618059.D	CAL3B =	030618.B\030618023.D
CAL3C =	030618.B\030618047.D	CAL3D =	030618.B\030618035.D	CAL3F =	030618.B\030618011.D
CAL4A =	030618.B\030618061.D	CAL4B =	030618.B\030618025.D	CAL4C =	030618.B\030618049.D
CAL4D =	030618.B\030618037.D	CAL4F =	030618.B\030618013.D	CAL5A =	030618.B\030618063.D
CAL5B =	030618.B\030618027.D	CAL5C =	030618.B\030618051.D	CAL5D =	030618.B\030618039.D
CAL5F =	030618.B\030618015.D				

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	RT	RT WINDOW	
								FROM	TO
Aroclor 1260	4	7.531	7.531	7.531	7.531	7.531	7.531	7.497	7.565
Aroclor 1260	5	7.989	7.989	7.988	7.988	7.988	7.988	7.954	8.022
Decachlorobiphenyl (S)		8.66	8.66	8.659	8.661	8.66	8.66	8.626	8.694
Tetrachloro-m-xylene		2.551	2.551	2.55	2.551	2.551	2.55	2.516	2.584

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: 40GCSK GC Column: Col 2 SDG No.: 40148722

Calibration Date(s): 03/06/2018 Calibration Time(s): 11:34

LAB FILE ID

CAL3S = 030618.B\030618005.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1232	.5	1	2.924	2.89	2.958	2730104.00
Aroclor 1232	.5	2	3.595	3.562	3.63	1438576.00
Aroclor 1232	.5	3	3.91	3.876	3.944	4258826.00
Aroclor 1232	.5	4	4.013	3.979	4.047	1806102.00
Aroclor 1232	.5	5	4.08	4.046	4.114	1209090.00

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.

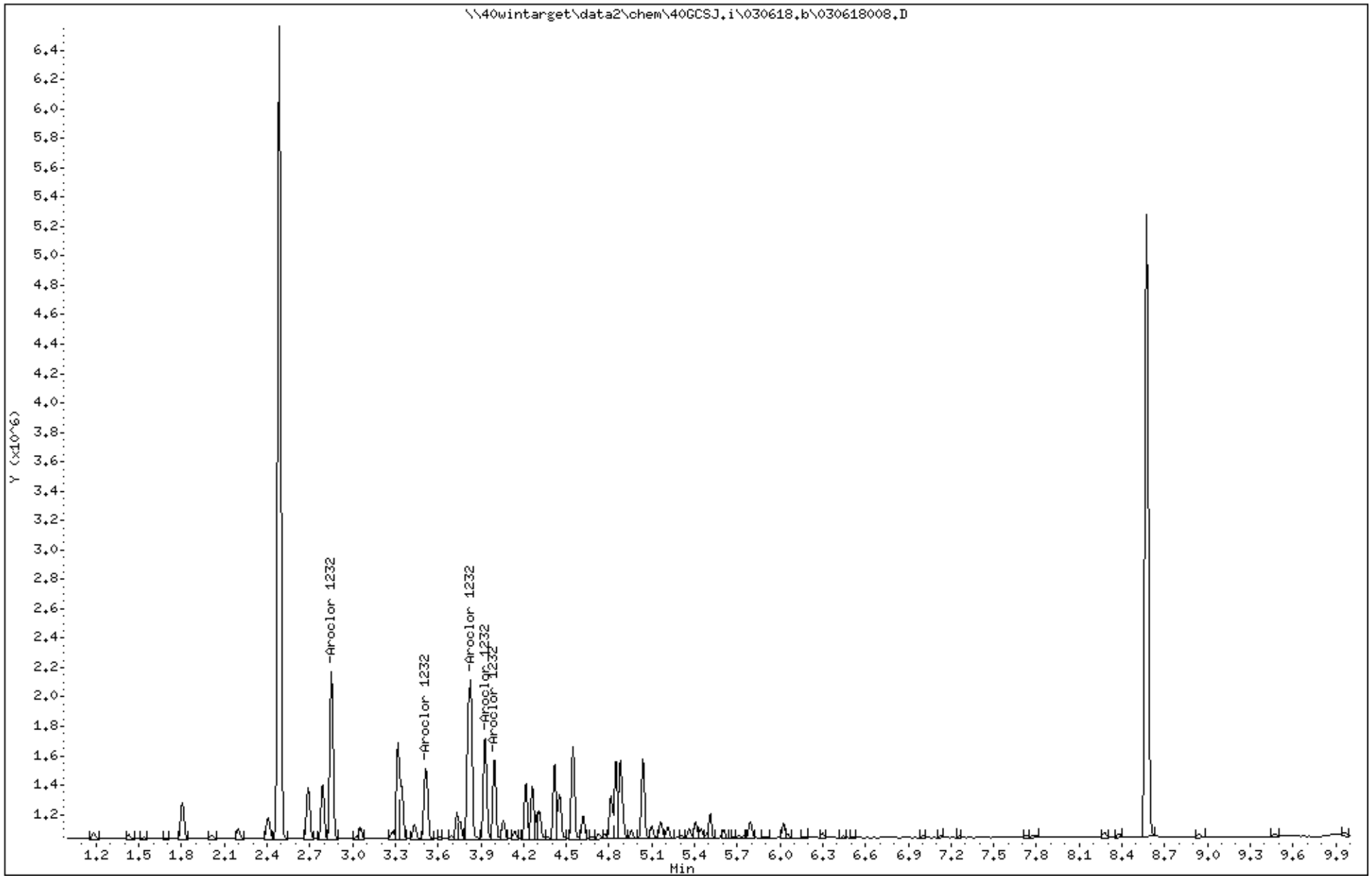
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618008.D
Date : 06-MAR-2018 11:50
Client ID: 1232-CAL3S
Sample Info: 1232-CAL3S, 185539:1

Column phase: ZB-1ms

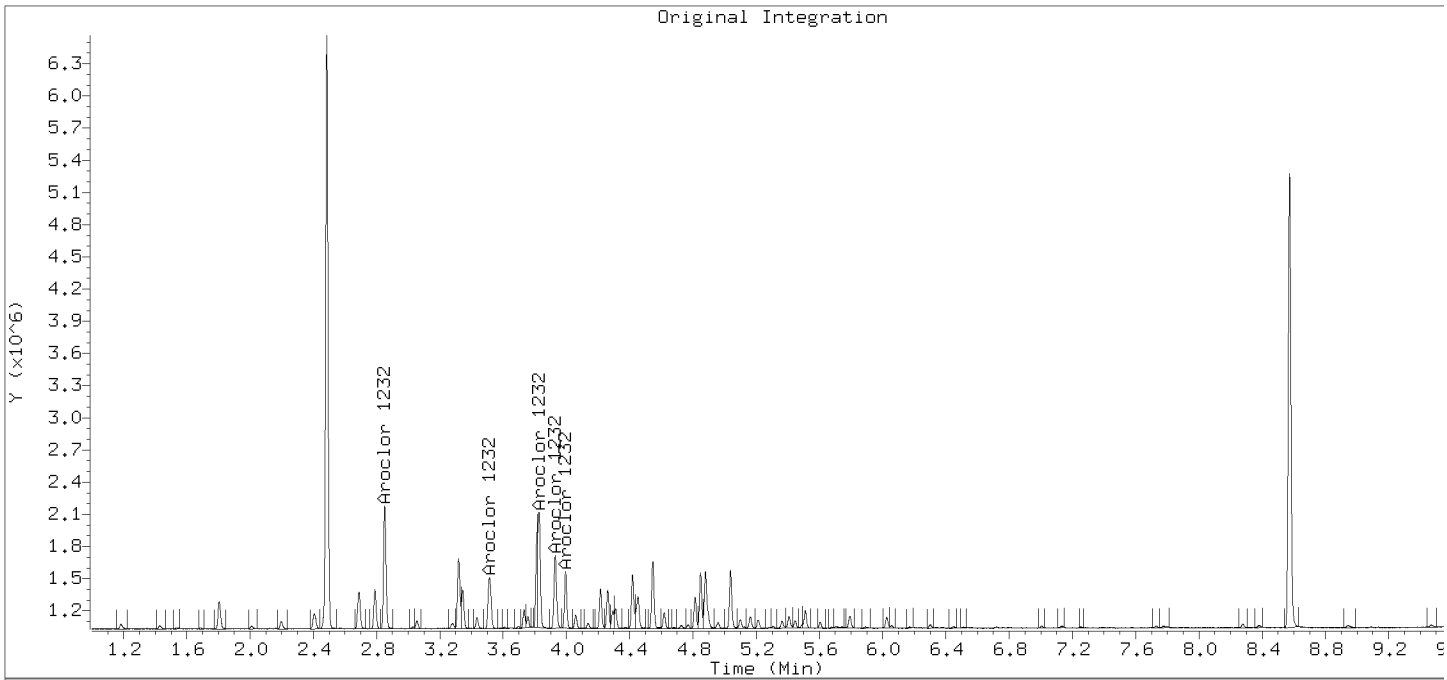
Instrument: 40GCSJ.i

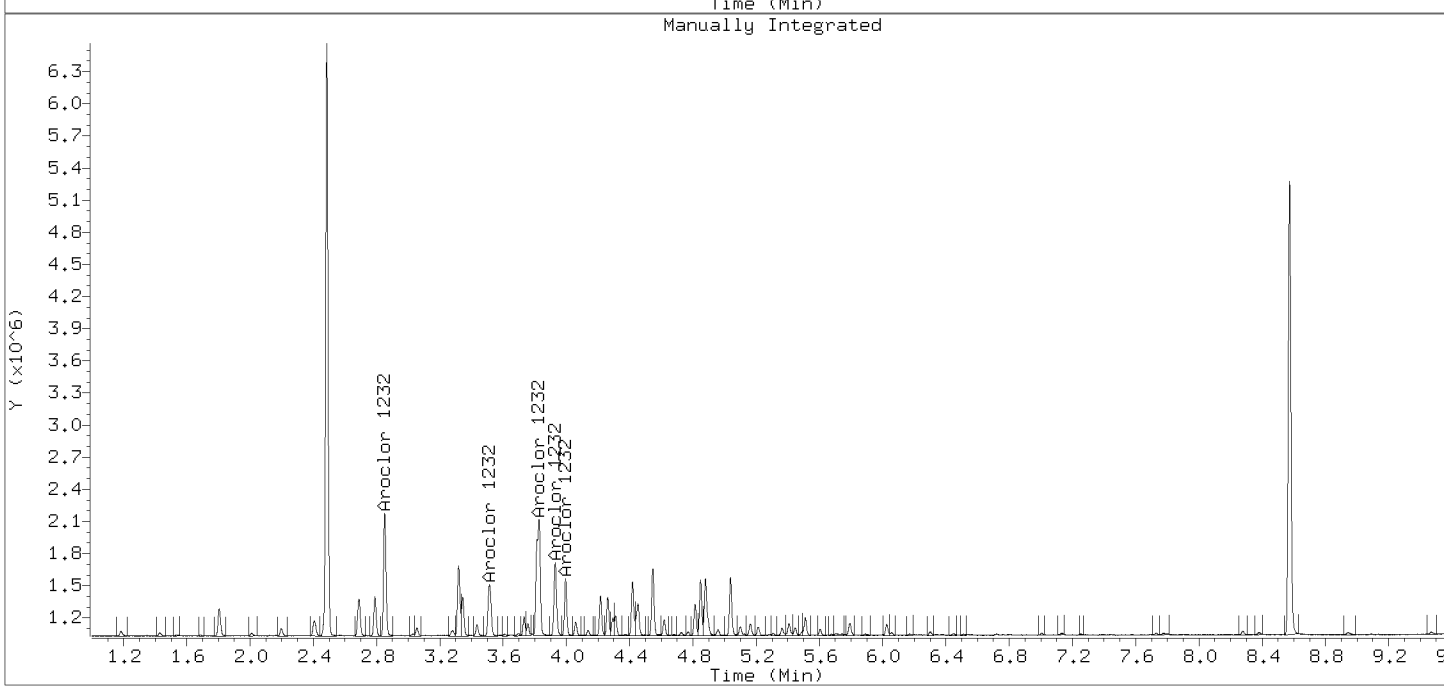
Operator: BLM

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

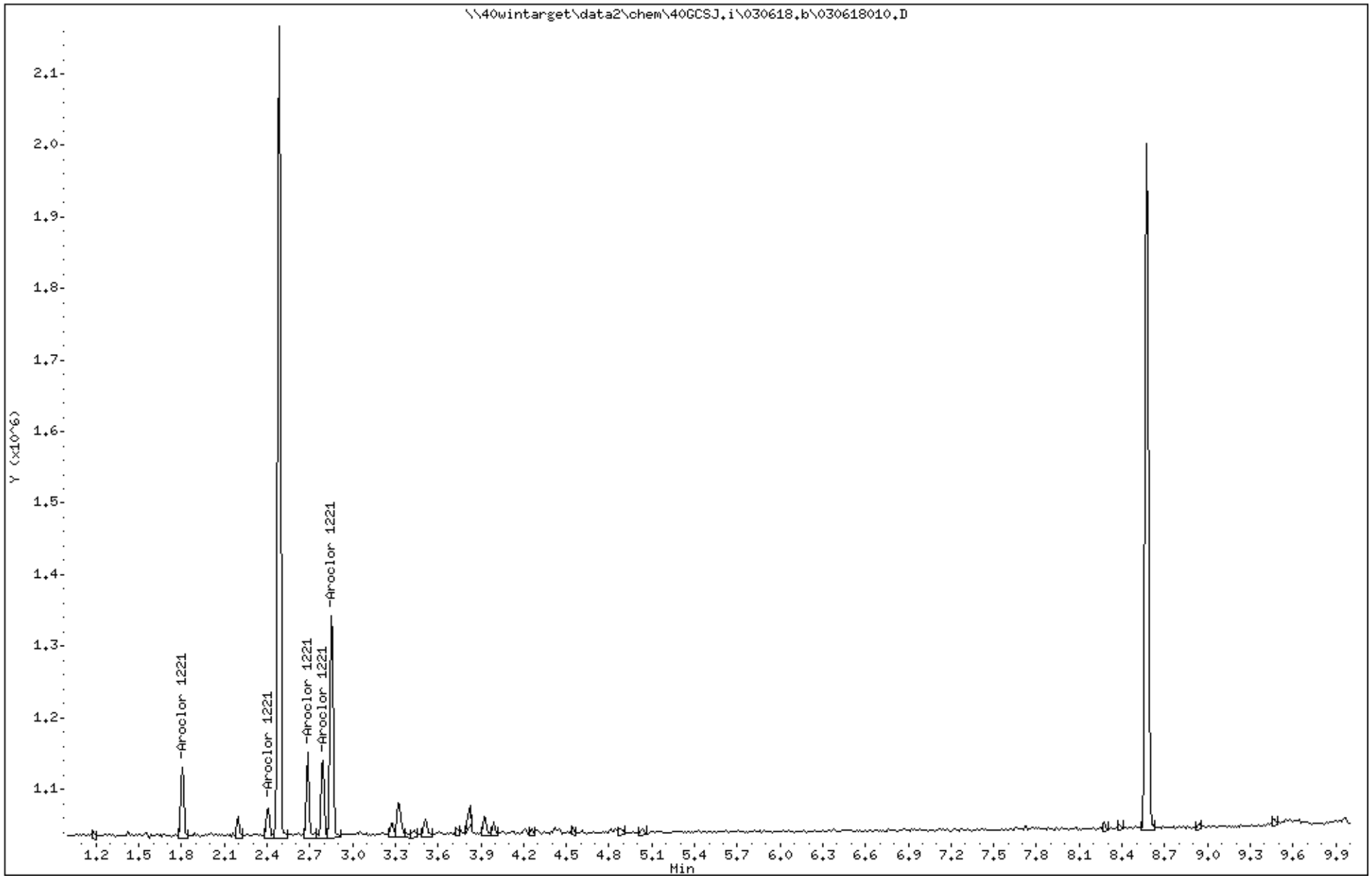
M - Compound response manually integrated.

Review Codes Legend

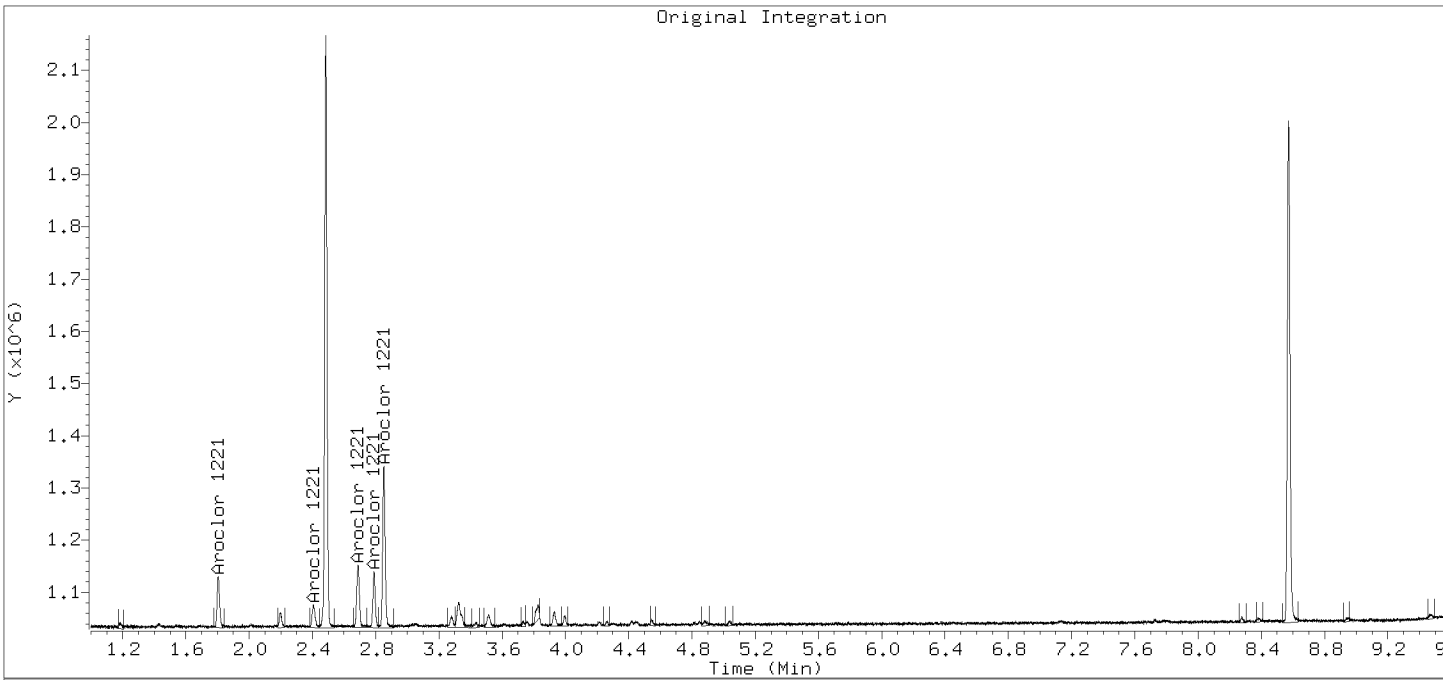
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

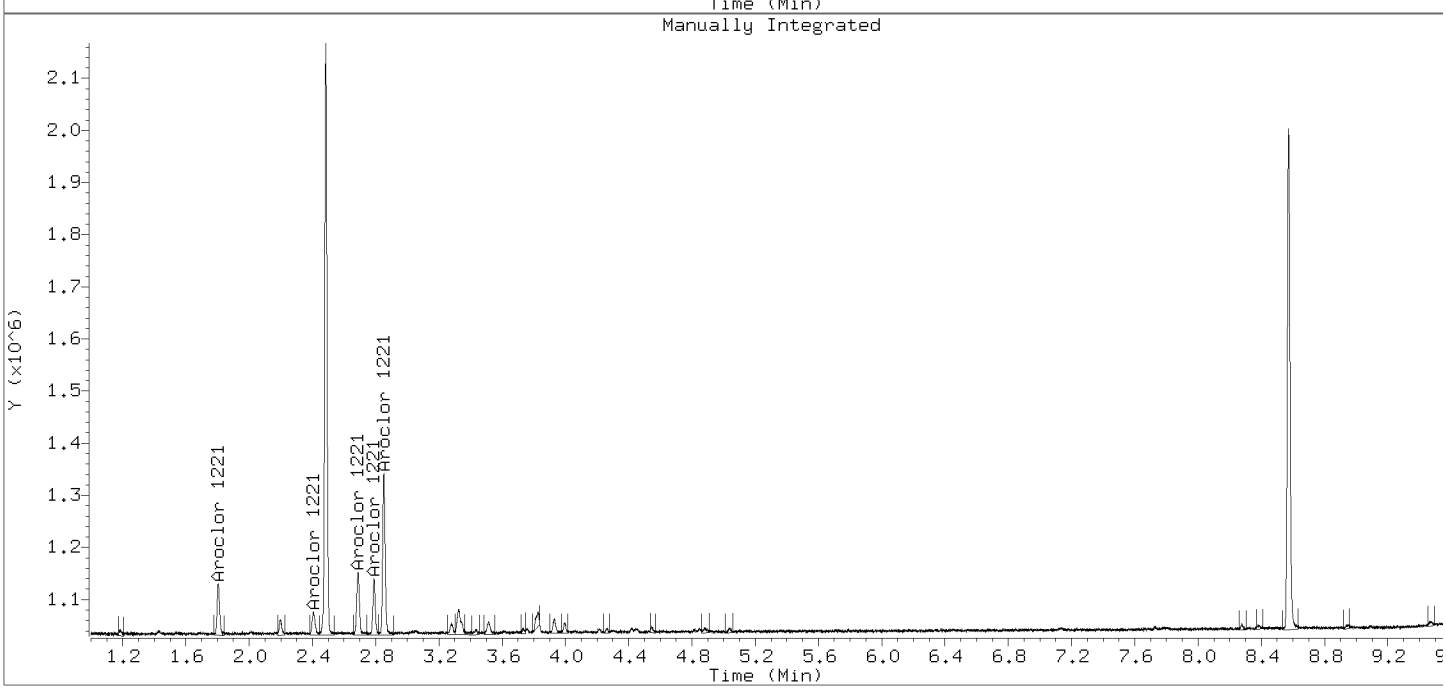
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618010.D
Date : 06-MAR-2018 12:07
Client ID: 1221-CAL1F
Sample Info: 1221-CAL1F, 188138:1

Instrument: 40GCSJ.i
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

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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

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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

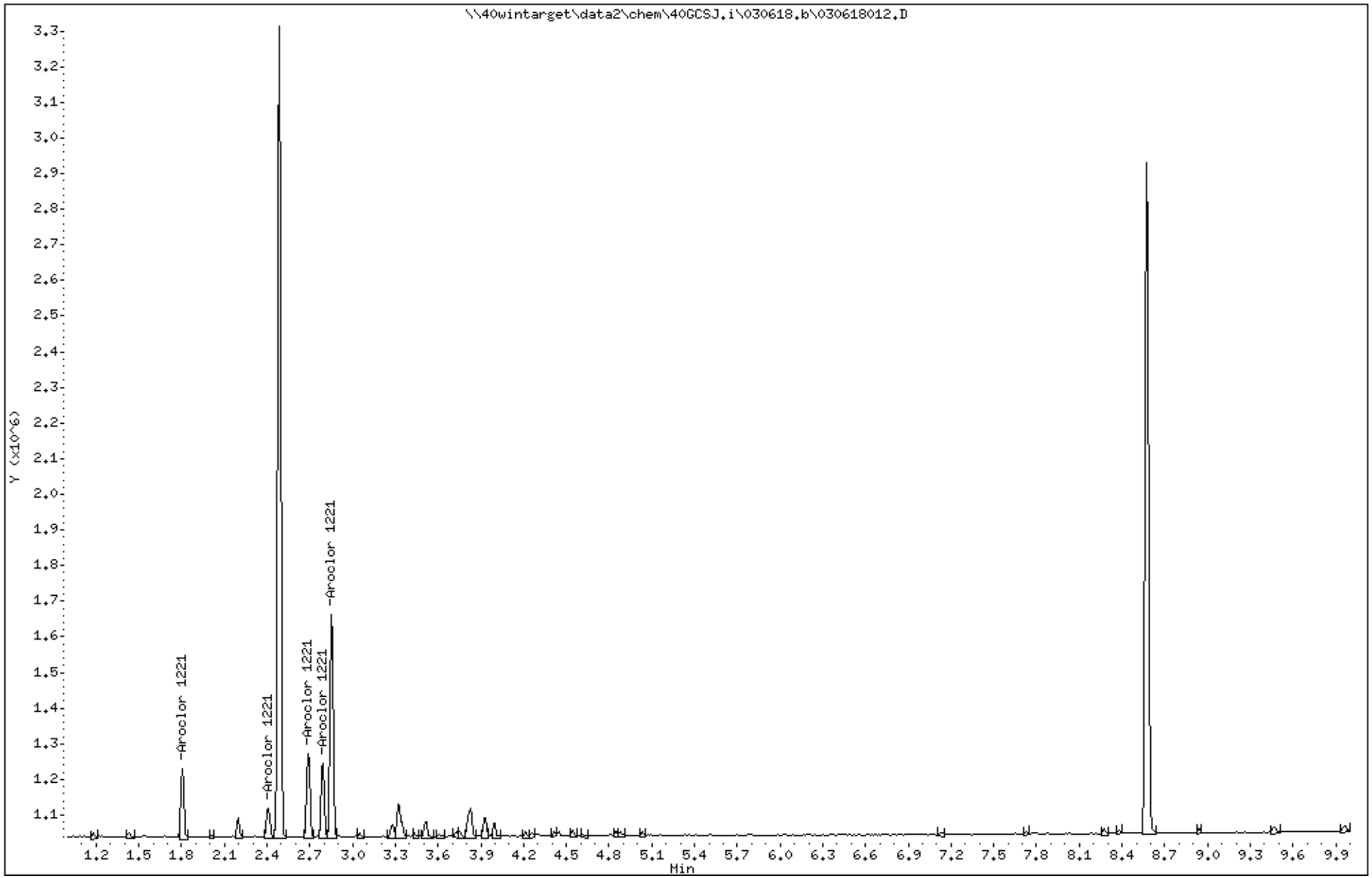
M - Compound response manually integrated.

Review Codes Legend

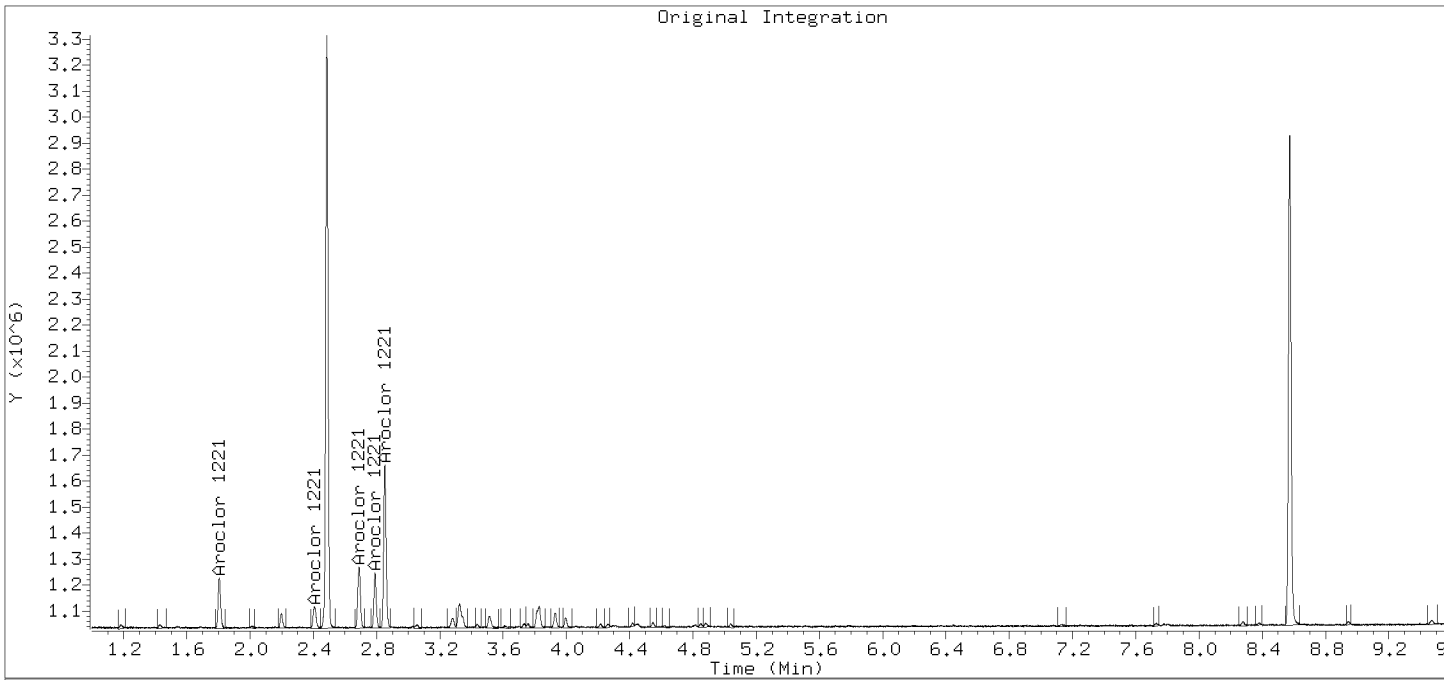
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

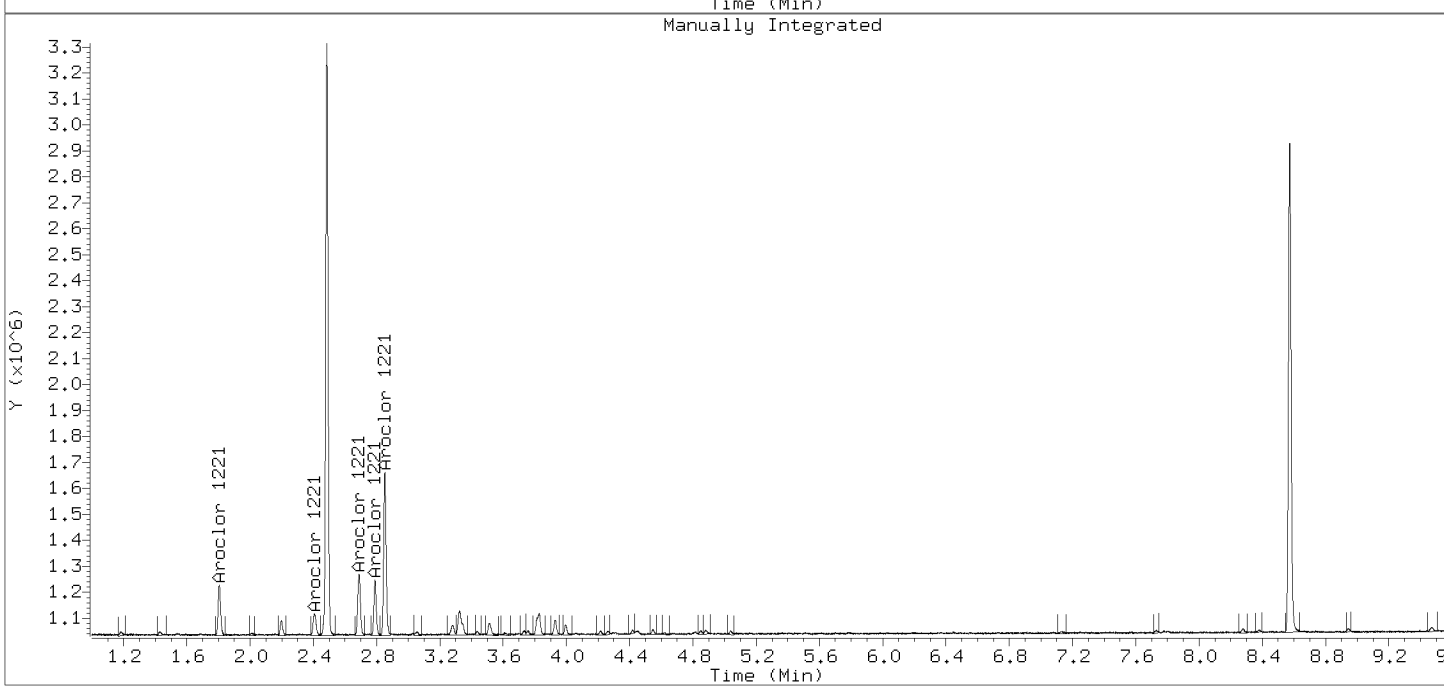
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618012.D
Date : 06-MAR-2018 12:23
Client ID: 1221-CAL2F
Sample Info: 1221-CAL2F, 188139:1

Instrument: 40GCSJ.i
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.

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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: 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

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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

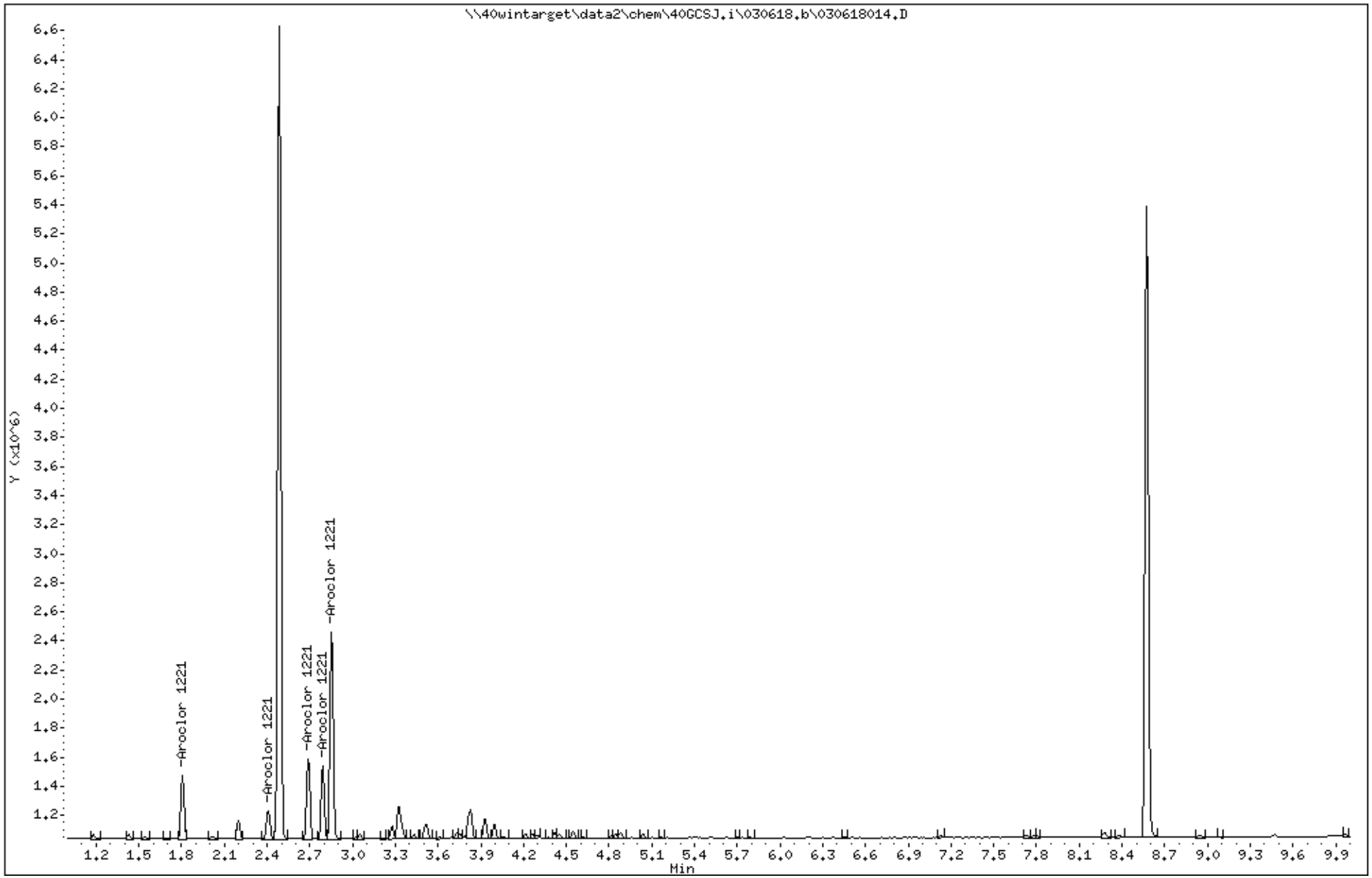
Instrument: 40GCSJ.i

Sample Info: 1221-CAL3F, 185538:1

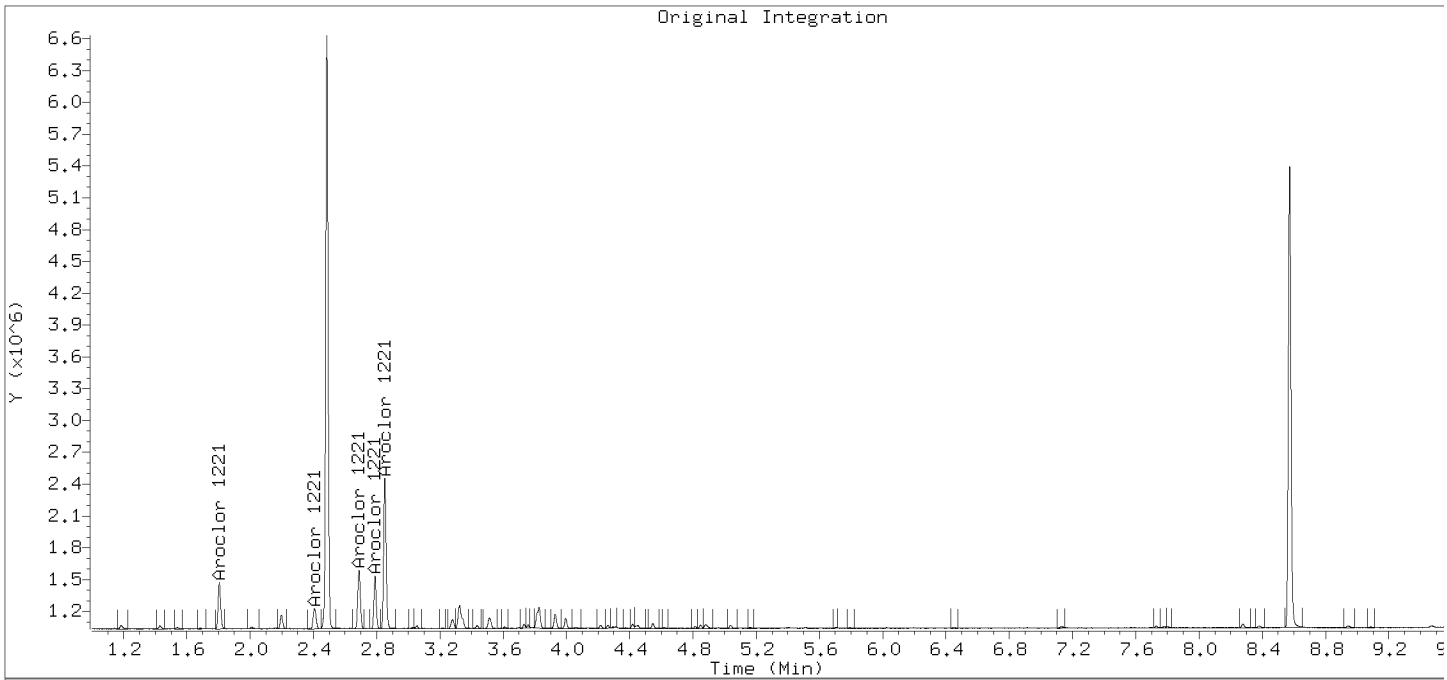
Operator: BLM

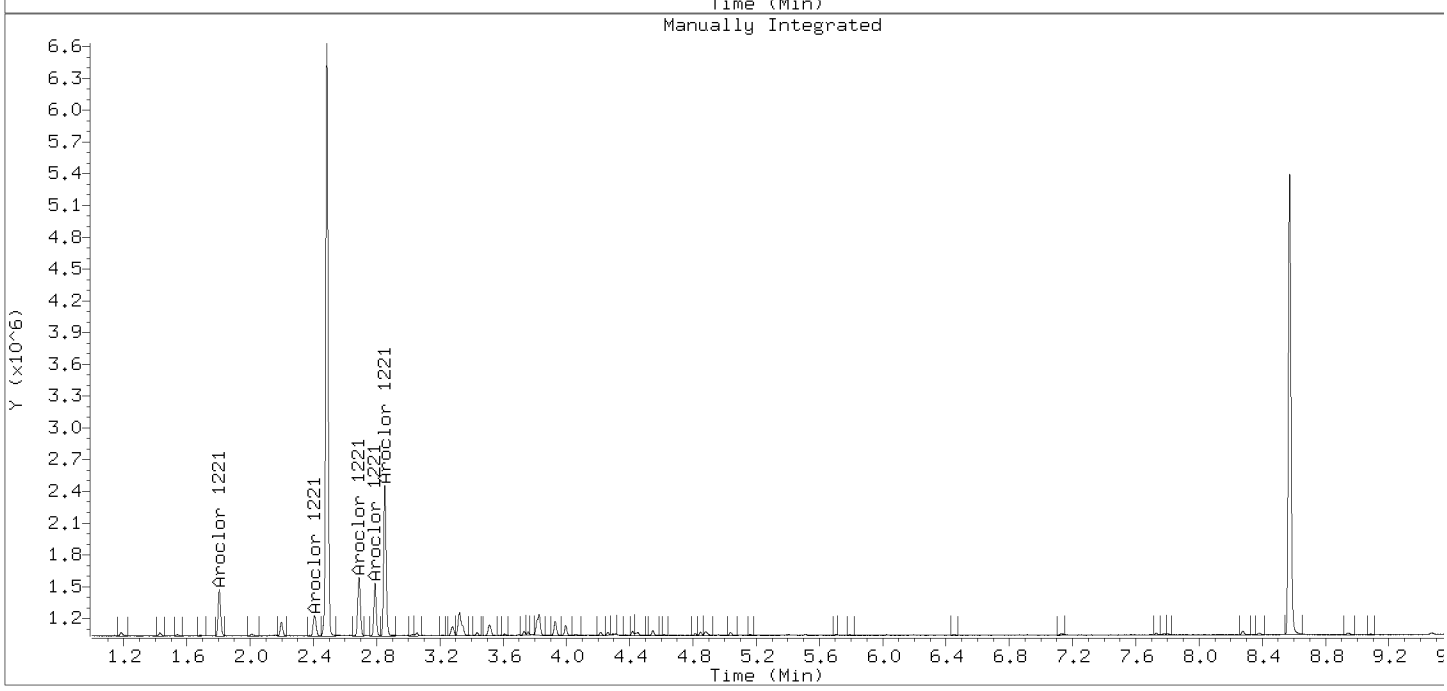
Column phase: ZB-1ms

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

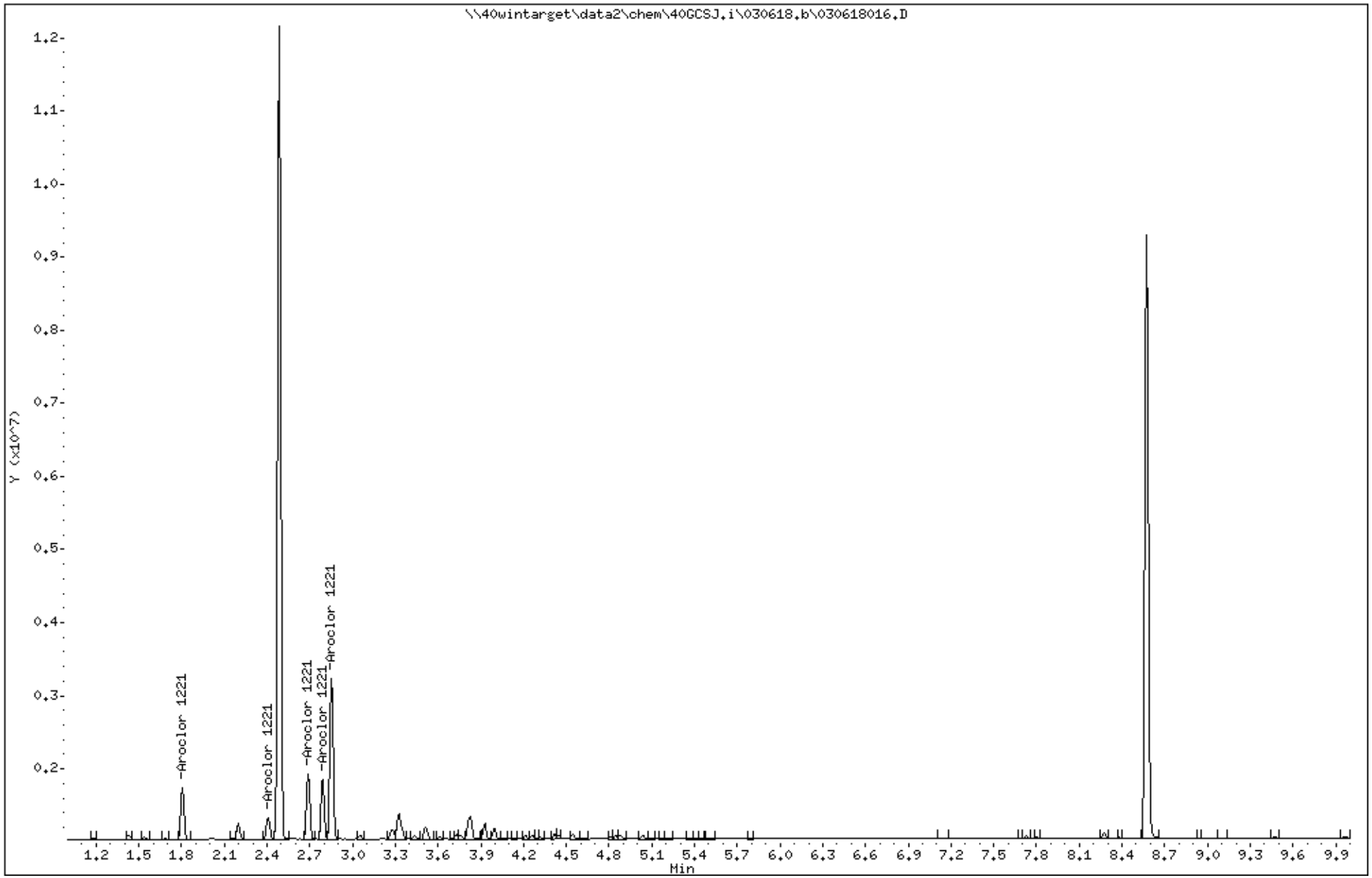
Instrument: 40GCSJ.i

Sample Info: 1221-CAL4F, 188140:1

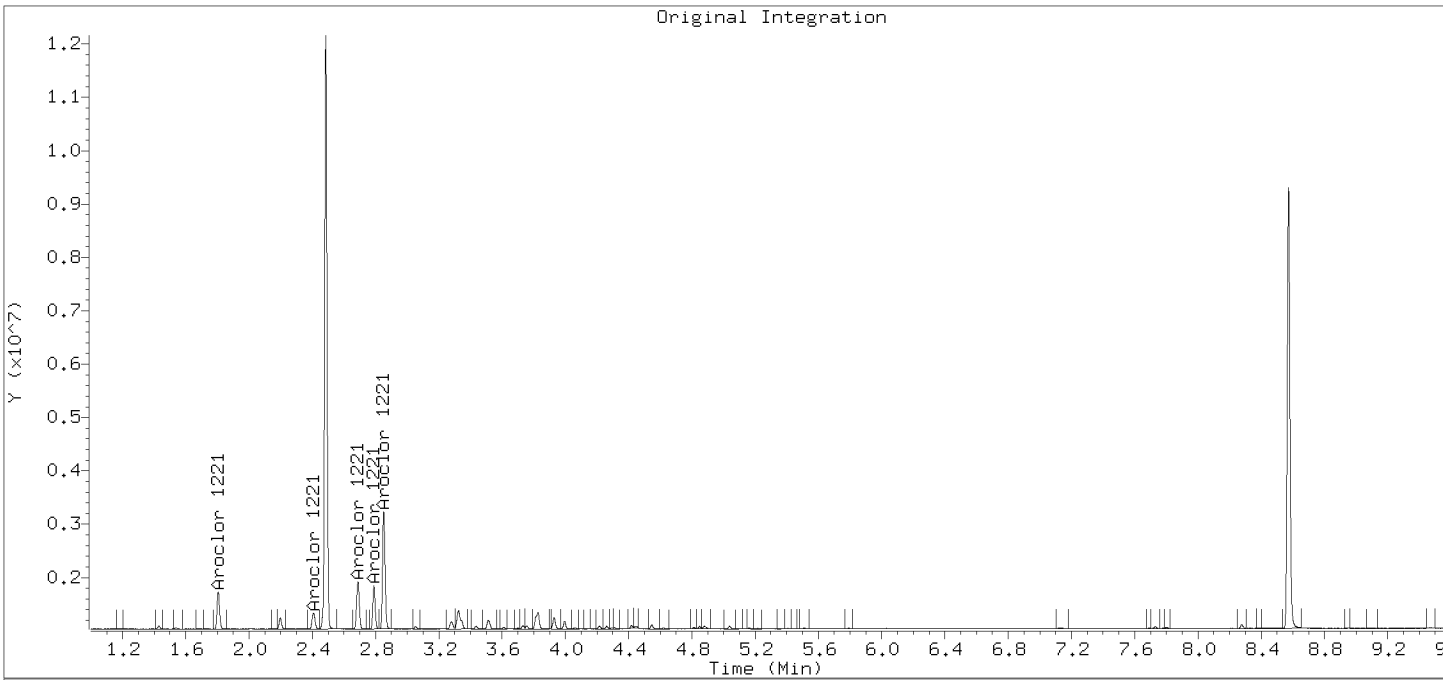
Operator: BLM

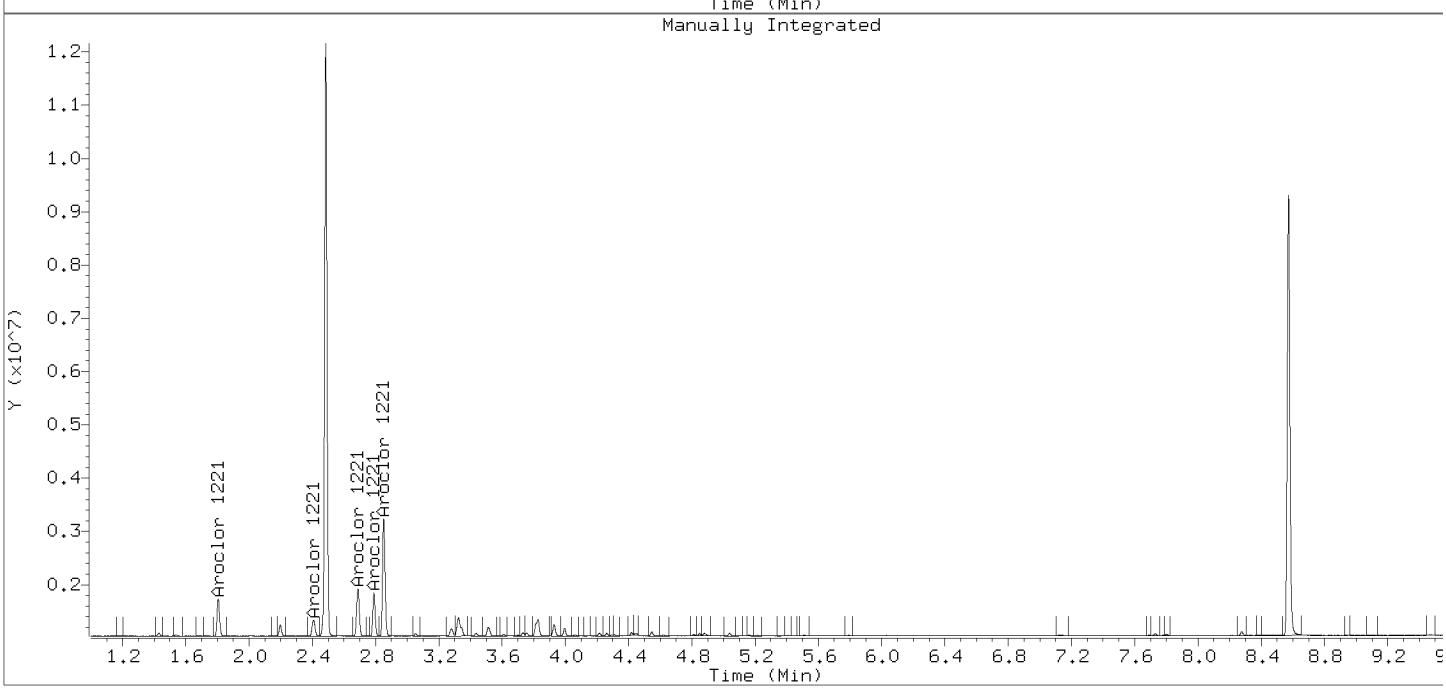
Column phase: ZB-1ms

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

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: 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

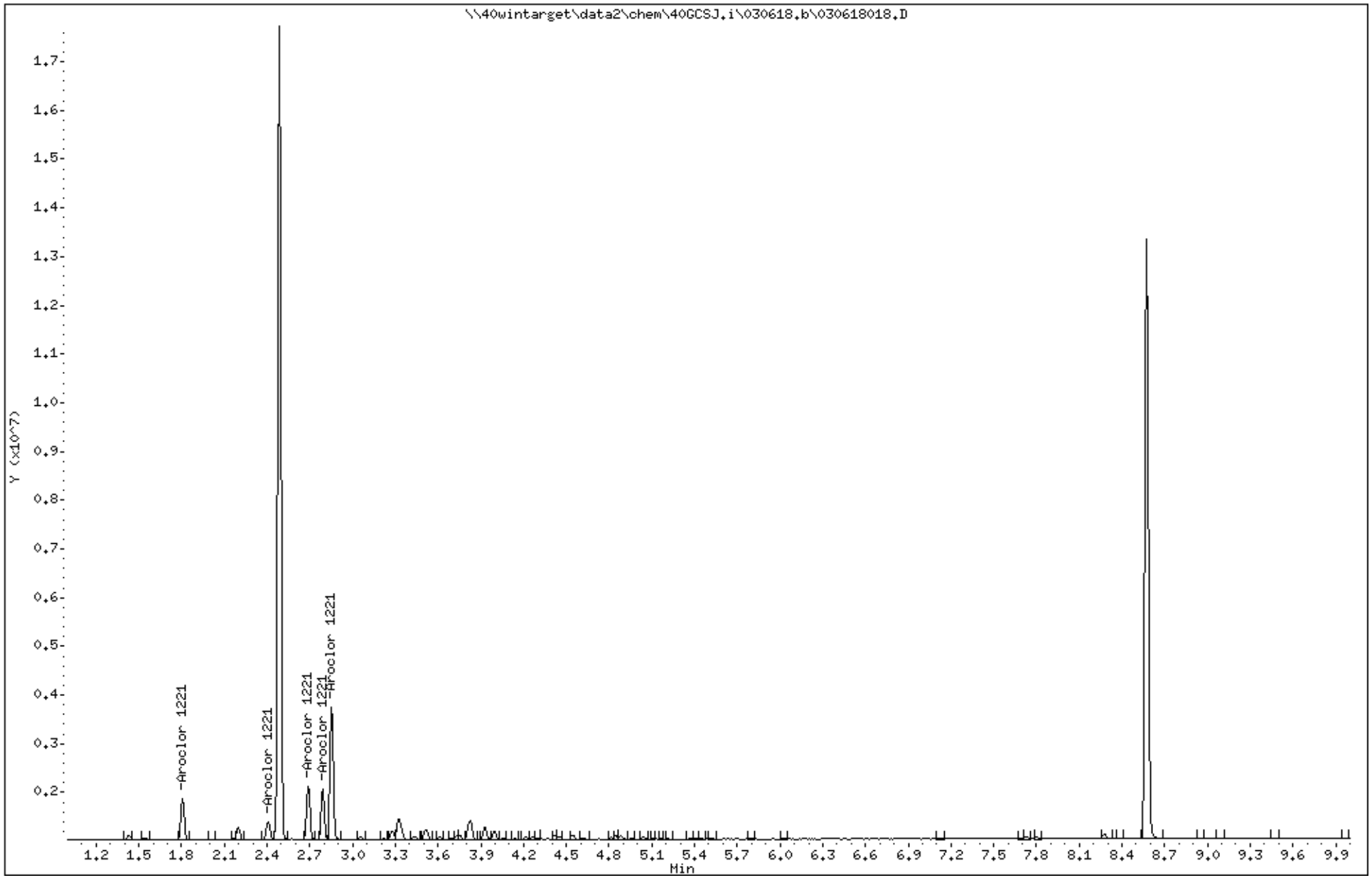
Instrument: 40GCSJ.i

Sample Info: 1221-CAL5F, 188141:1

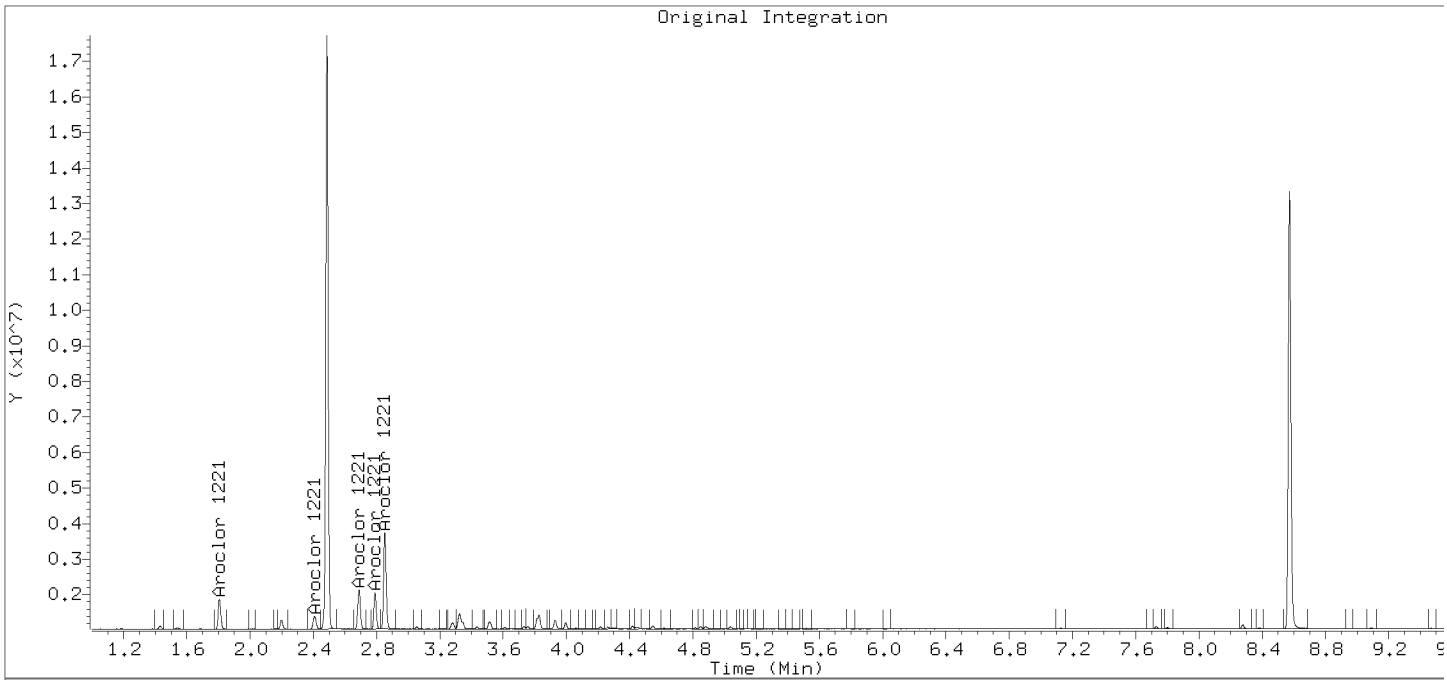
Operator: BLM

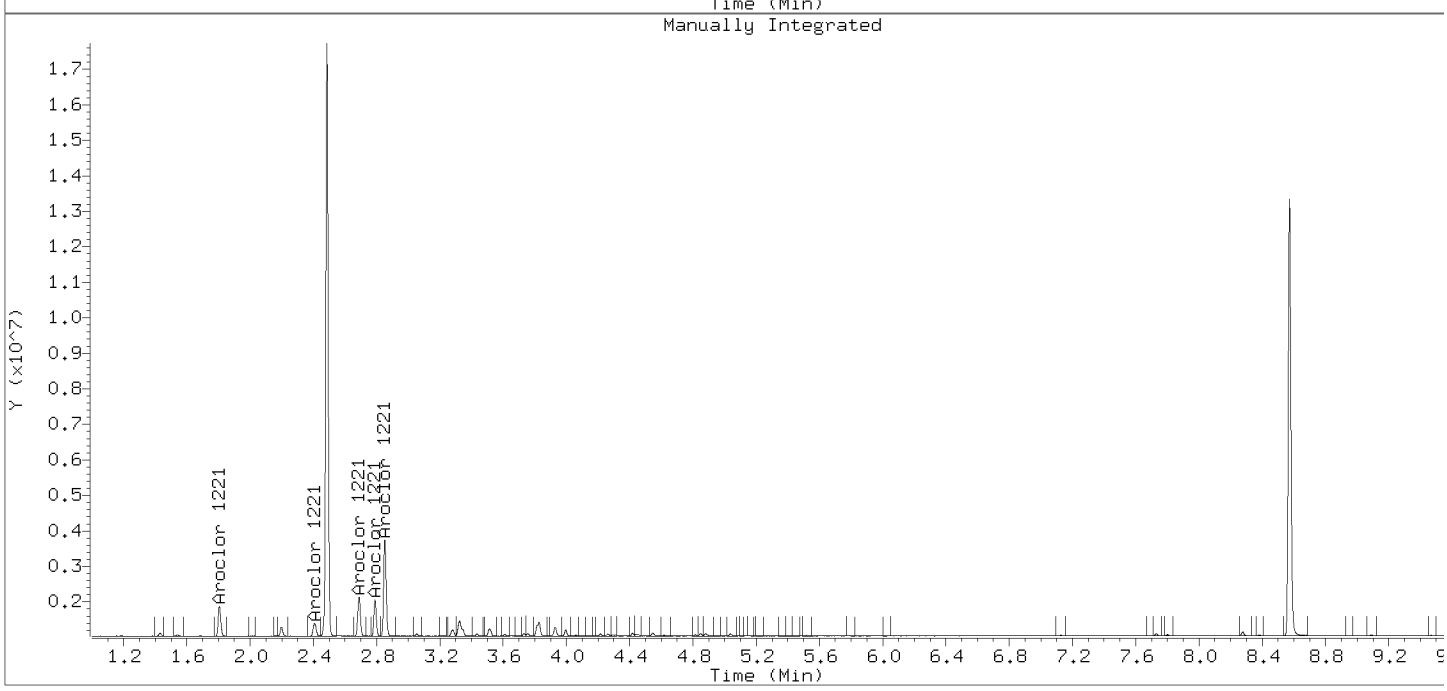
Column phase: ZB-1ms

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

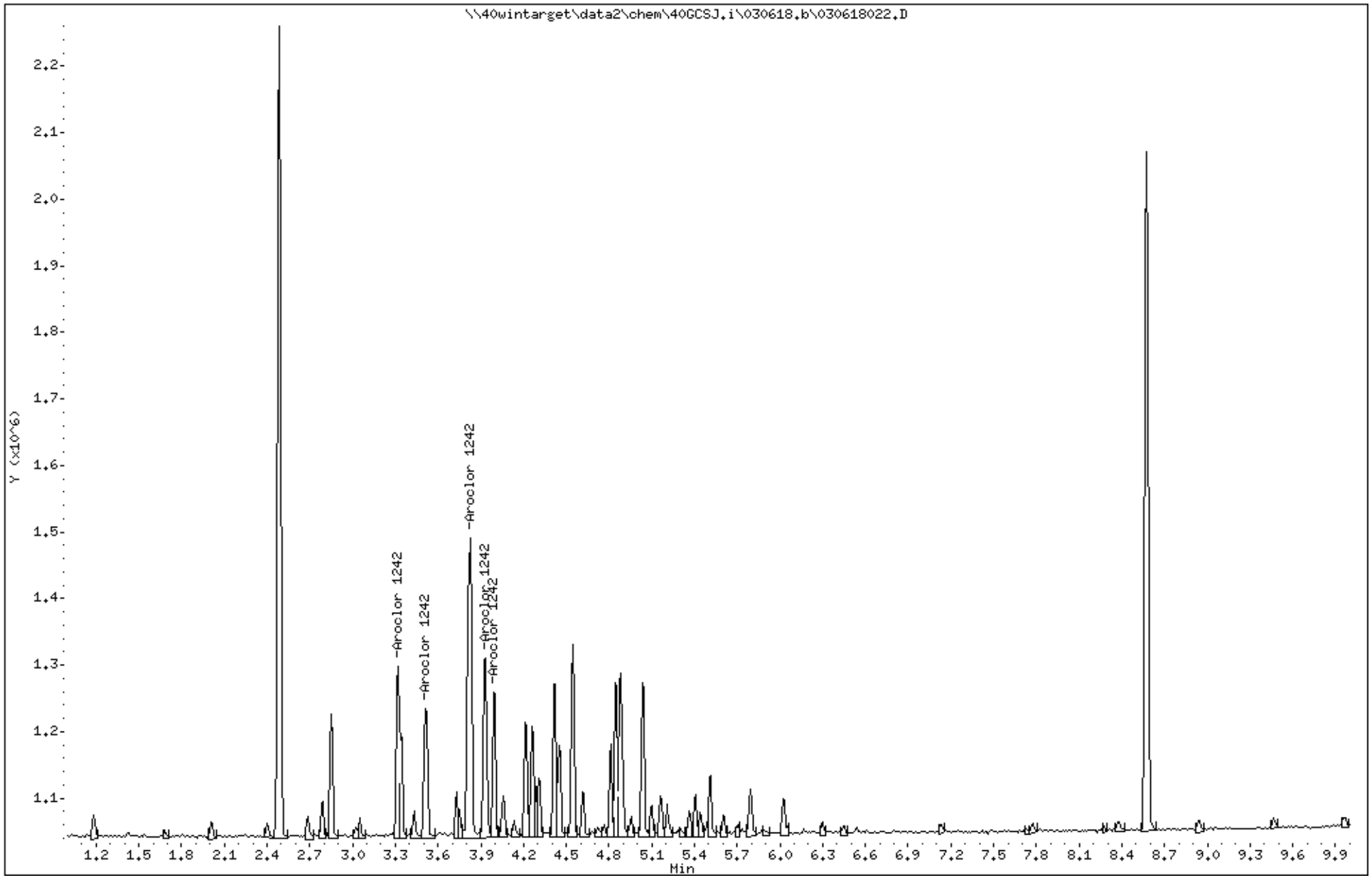
Instrument: 40GCSJ.i

Sample Info: 1242-CAL1B, 188132:1

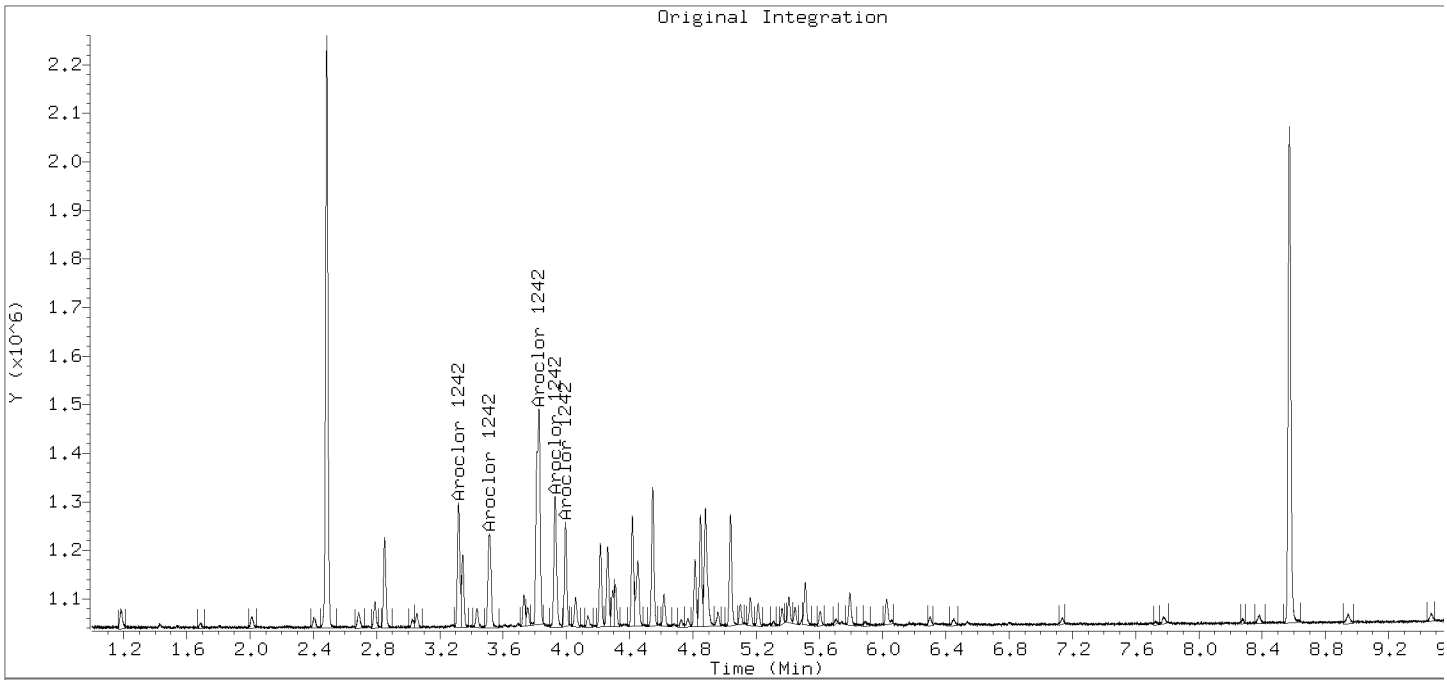
Operator: BLM

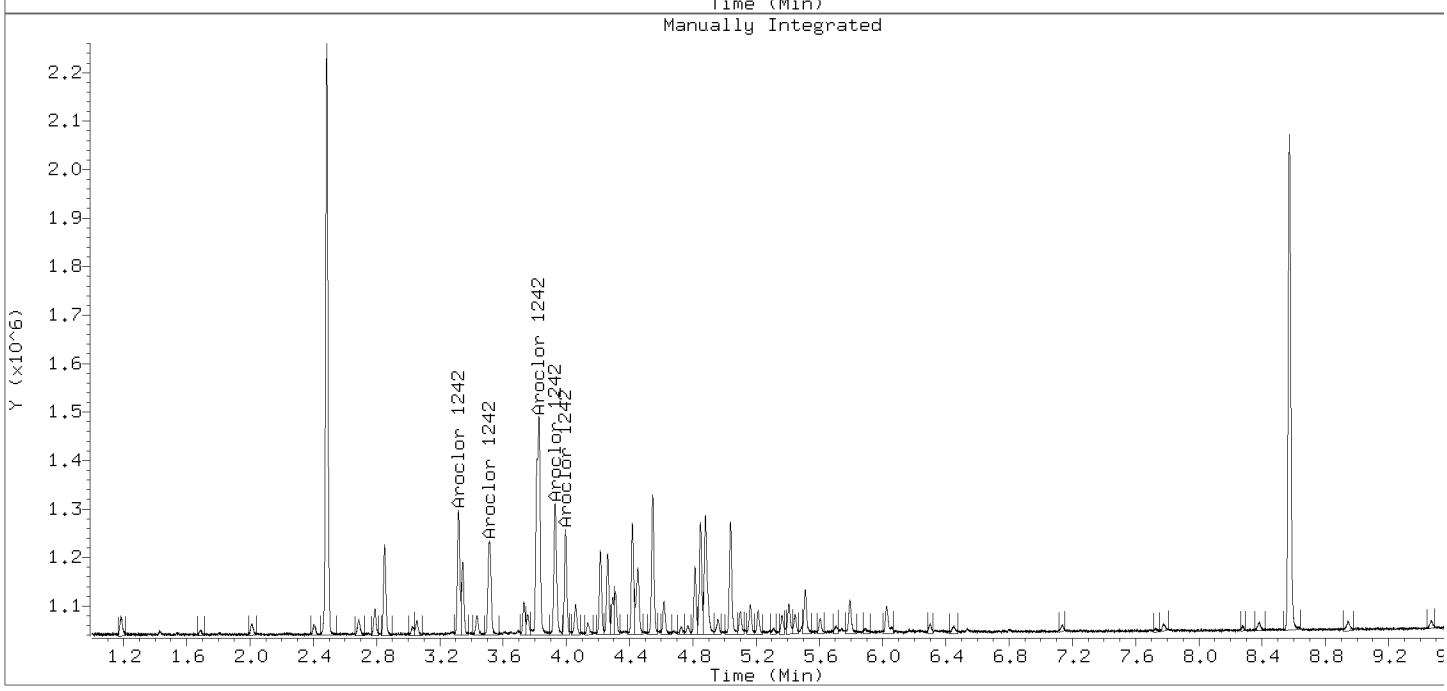
Column phase: ZB-1ms

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

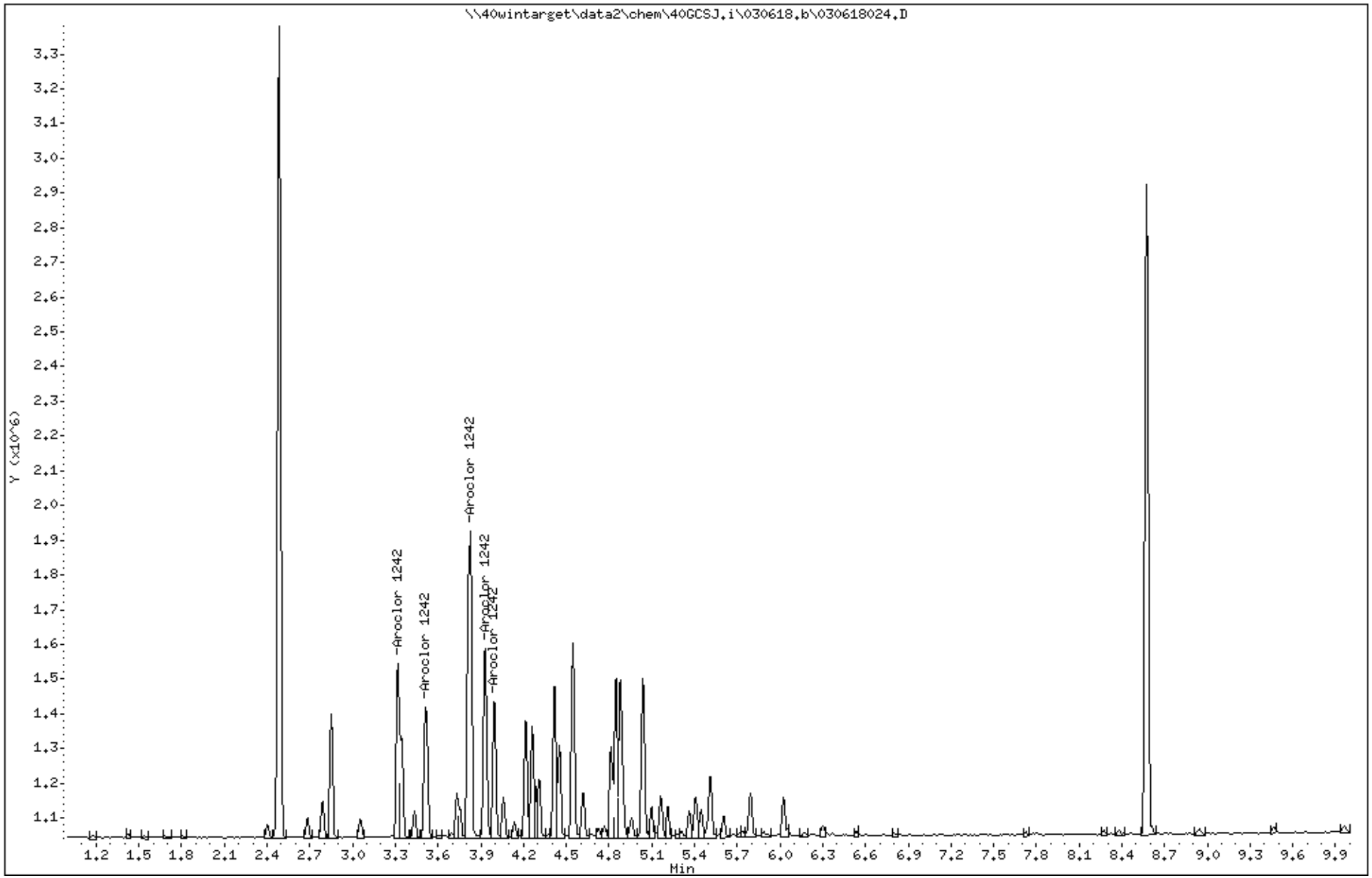
M - Compound response manually integrated.

Review Codes Legend

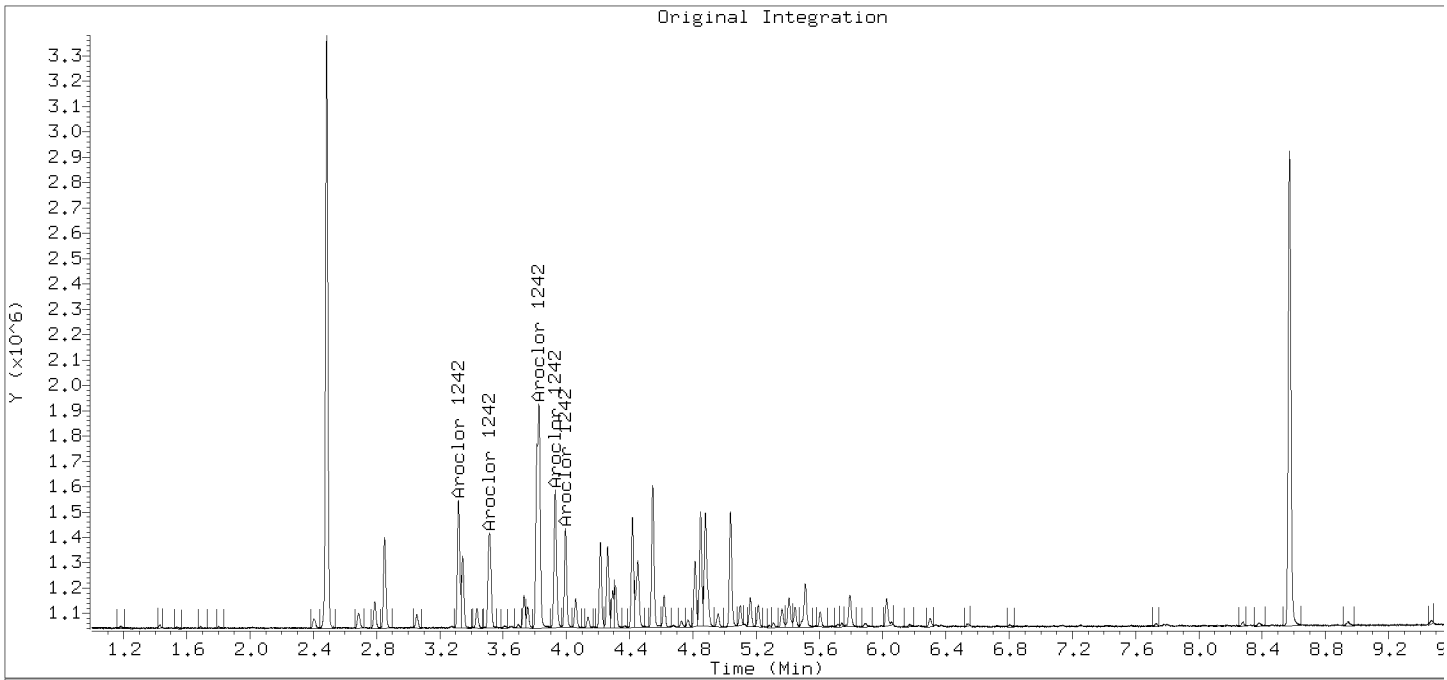
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

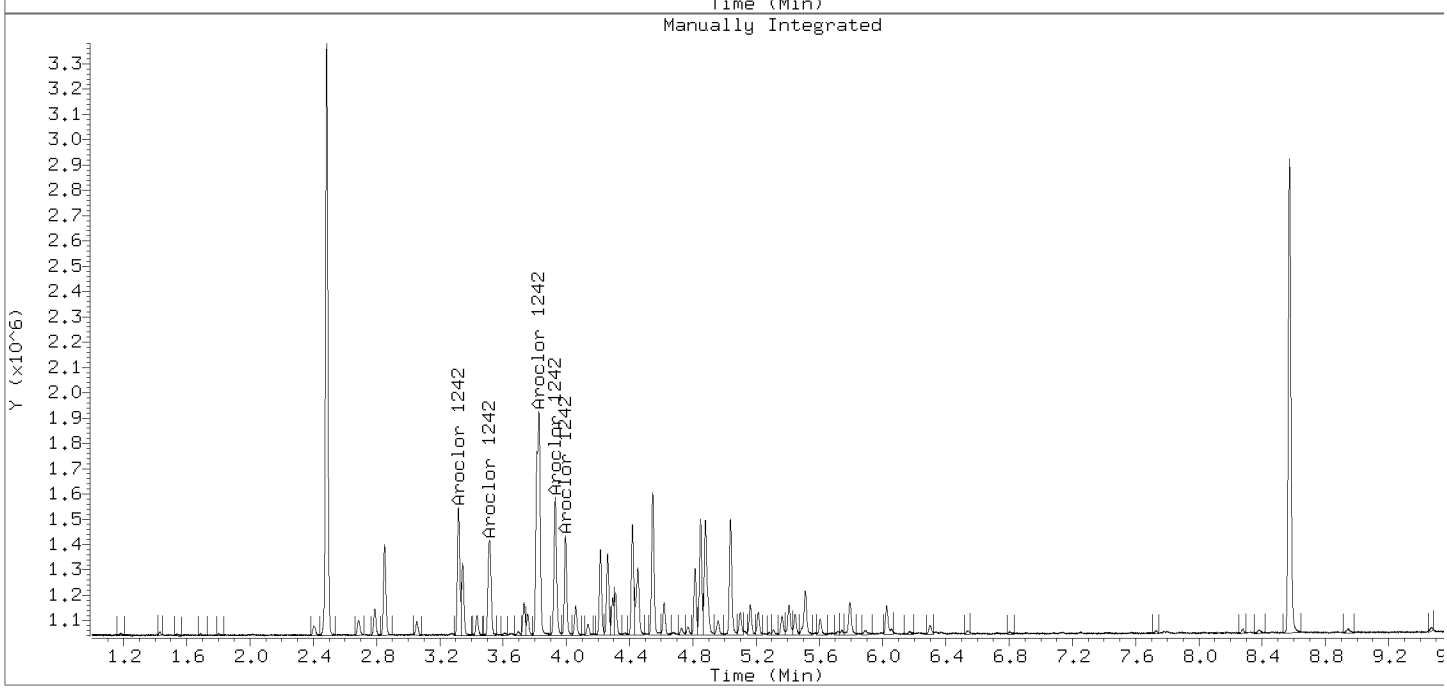
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618024.D
Date : 06-MAR-2018 14:00
Client ID: 1242-CAL2B
Sample Info: 1242-CAL2B, 185543:1

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

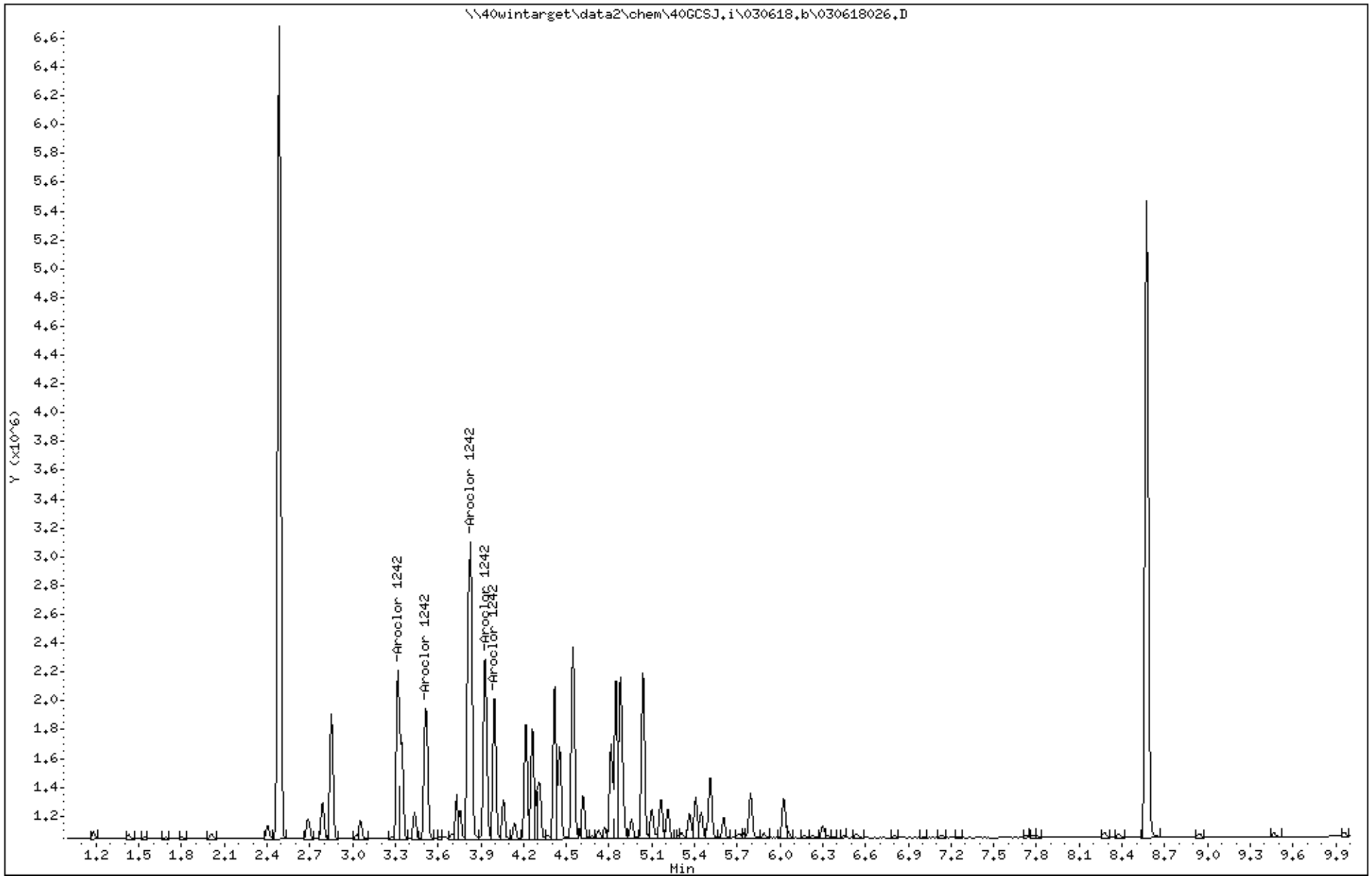
Instrument: 40GCSJ.i

Sample Info: 1242-CAL3B, 185544:1

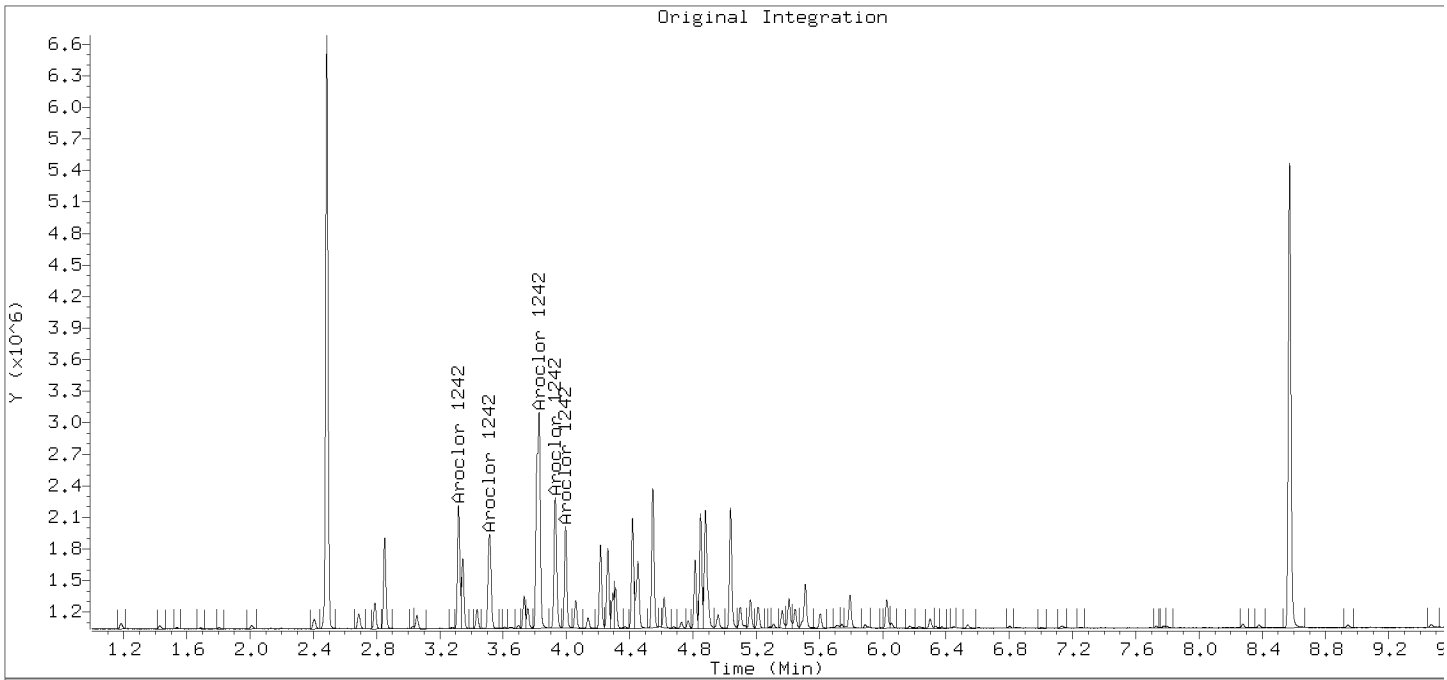
Operator: BLM

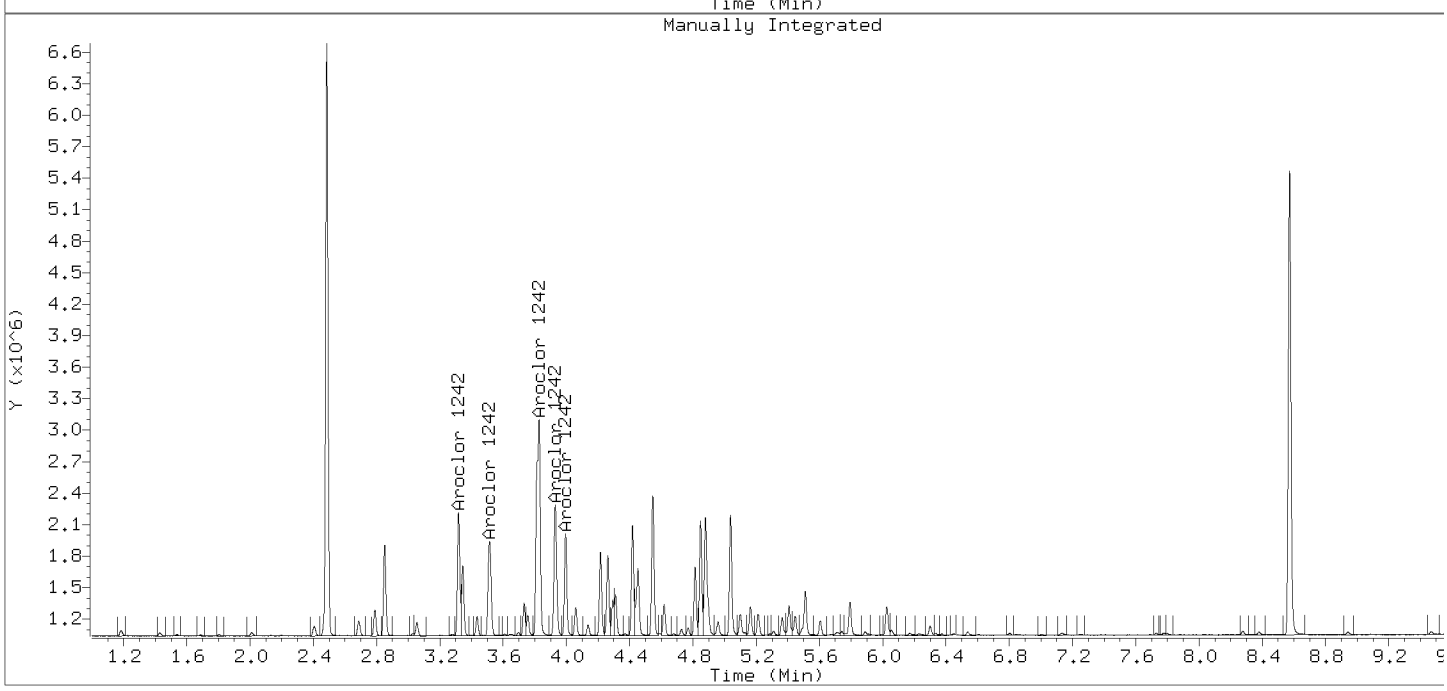
Column phase: ZB-1ms

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

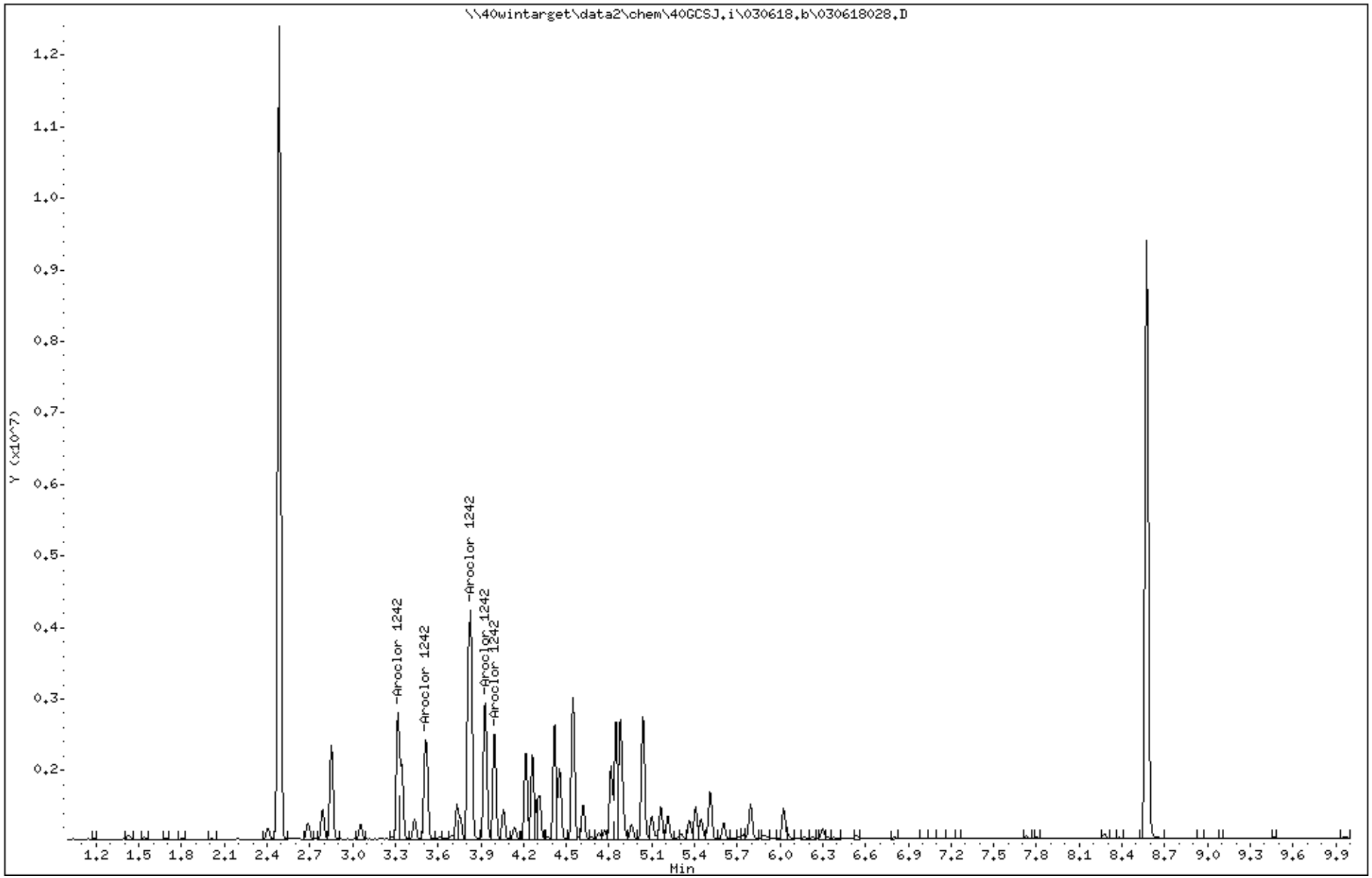
Instrument: 40GCSJ.i

Sample Info: 1242-CAL4B, 185545:1

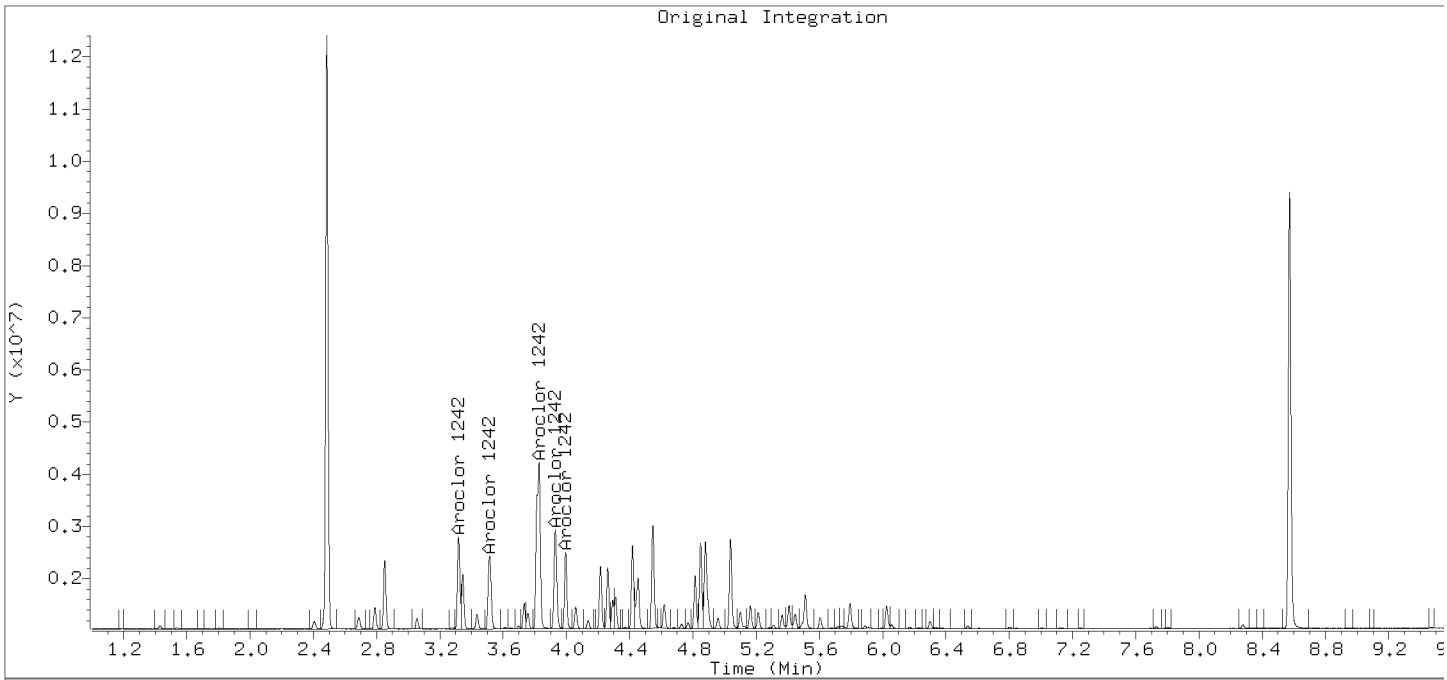
Operator: BLM

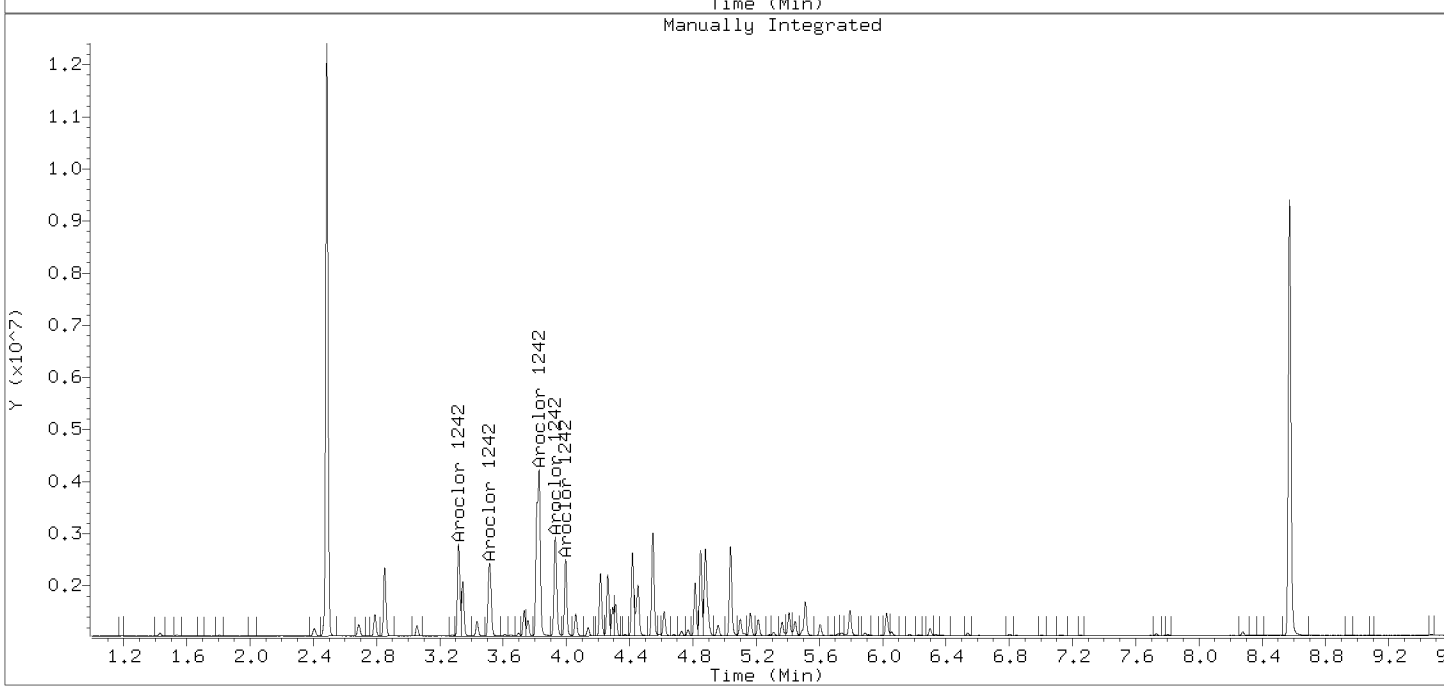
Column phase: ZB-1ms

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

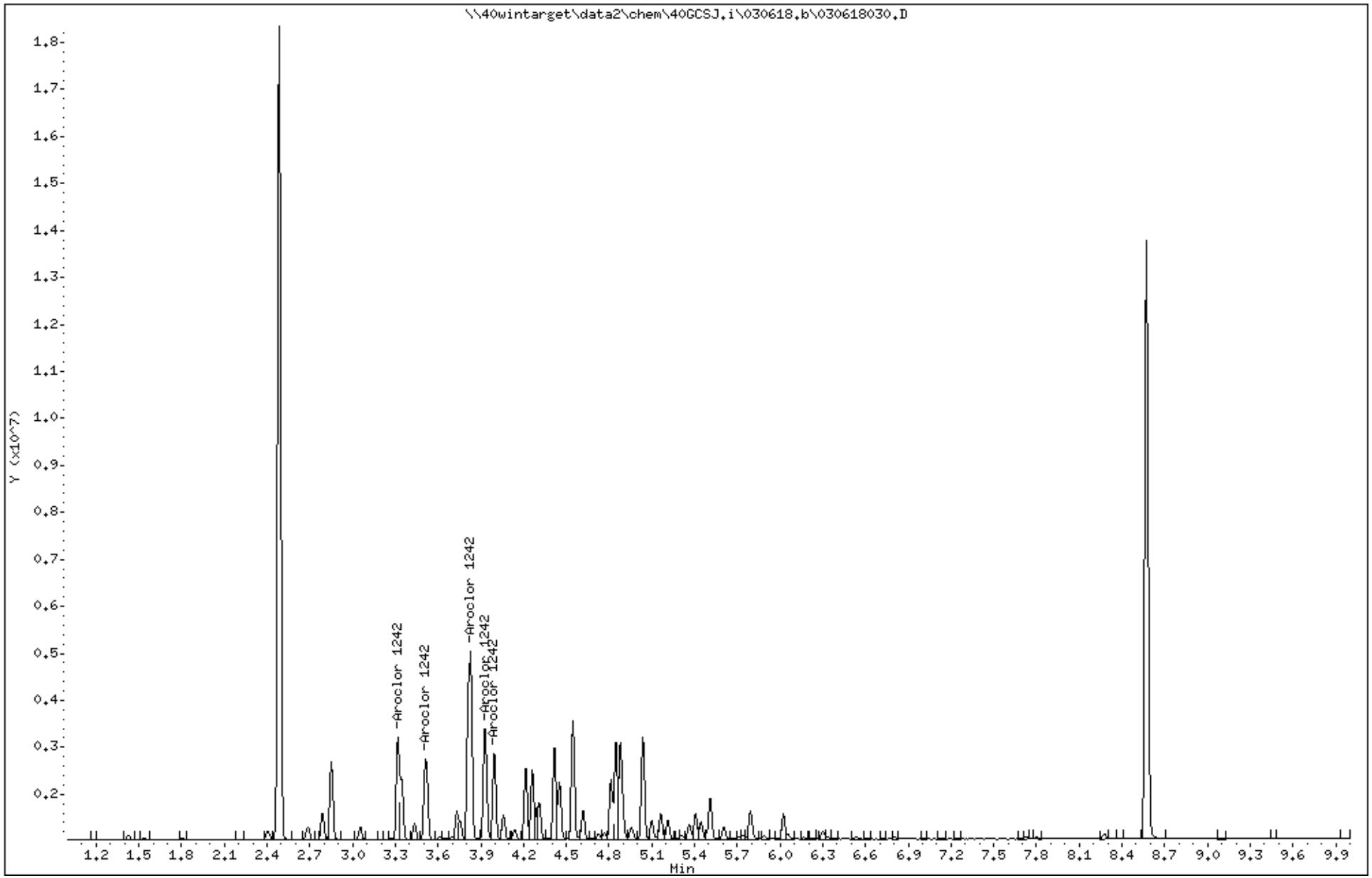
Instrument: 40GCSJ.i

Sample Info: 1242-CAL5B, 185546:1

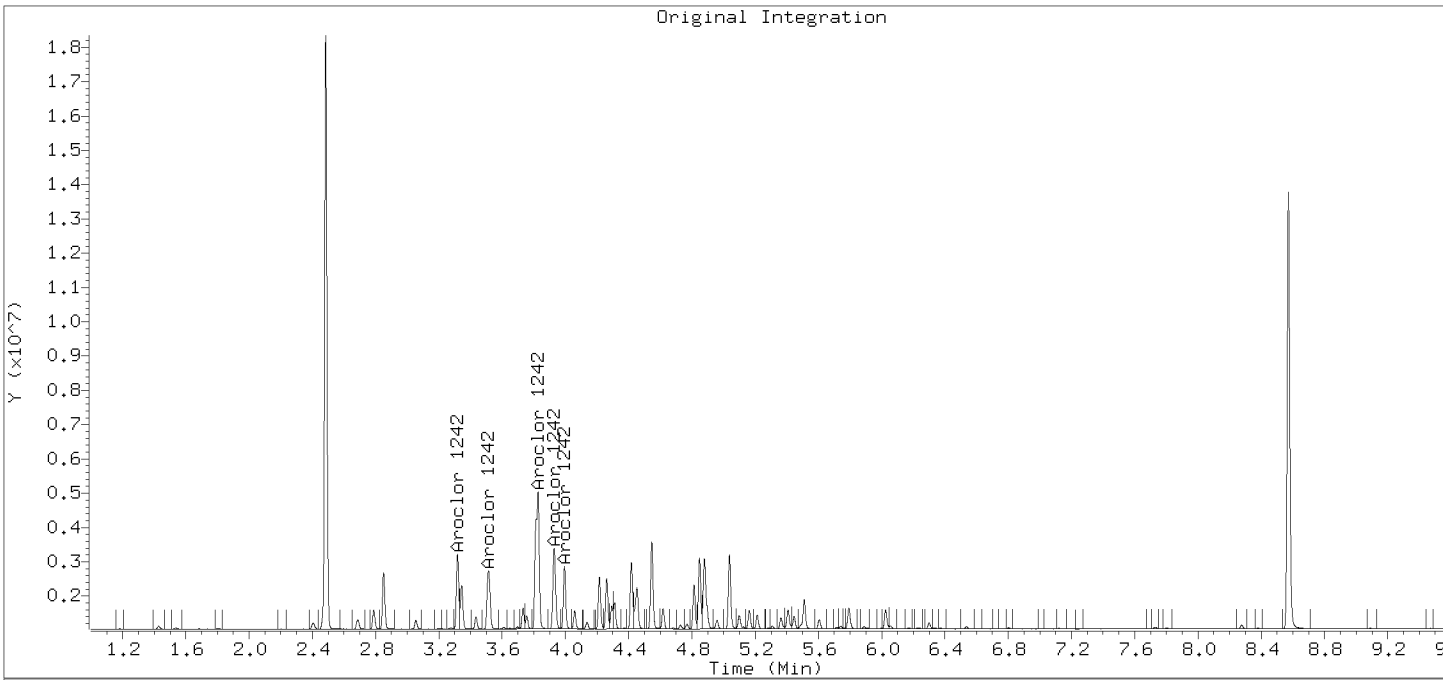
Operator: BLM

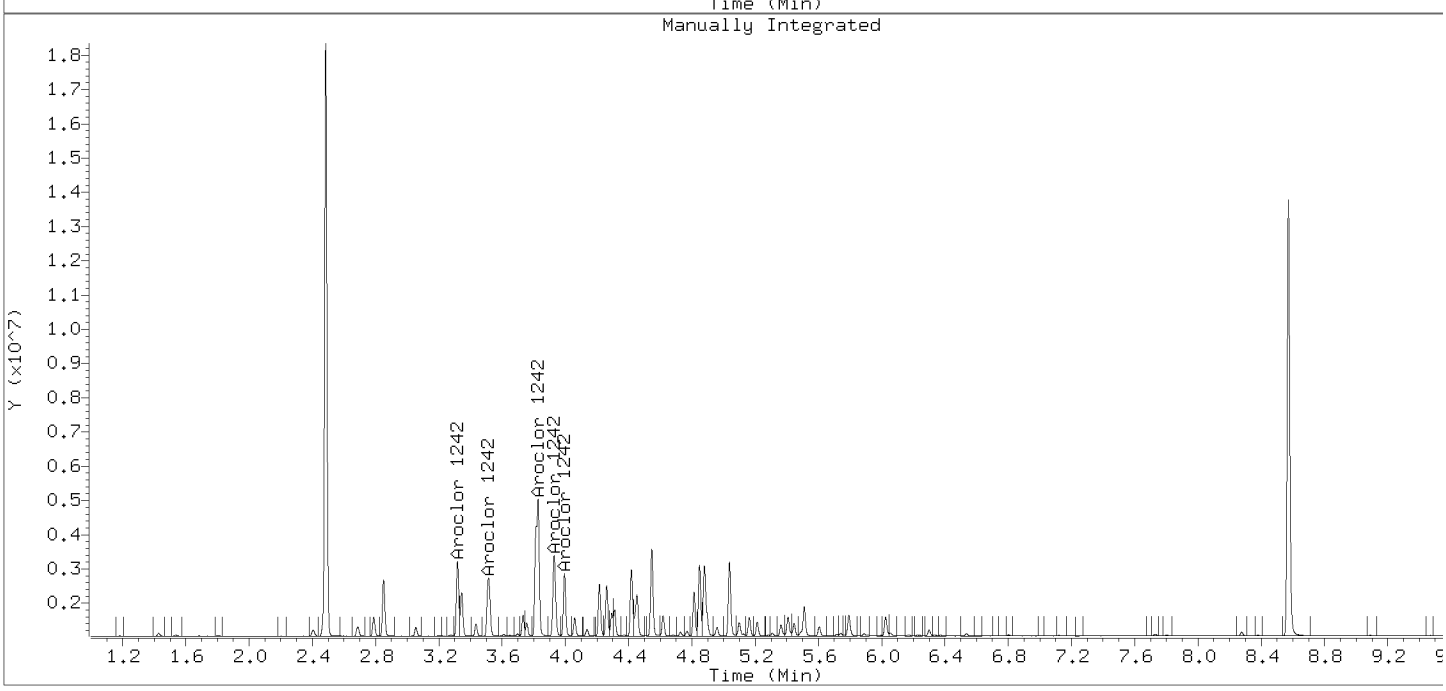
Column phase: ZB-1ms

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

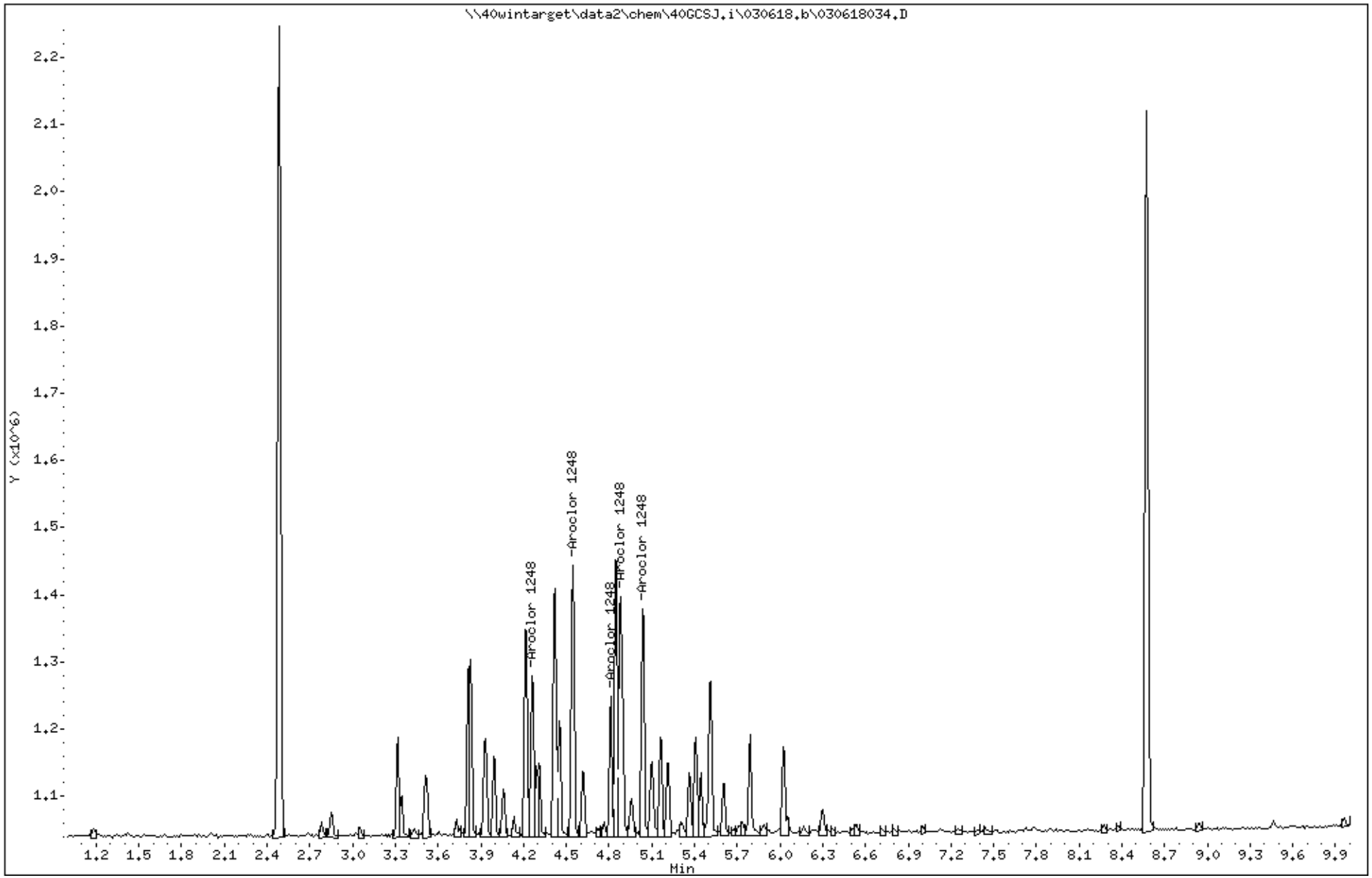
Instrument: 40GCSJ.i

Sample Info: 1248-CAL1D, 188134:1

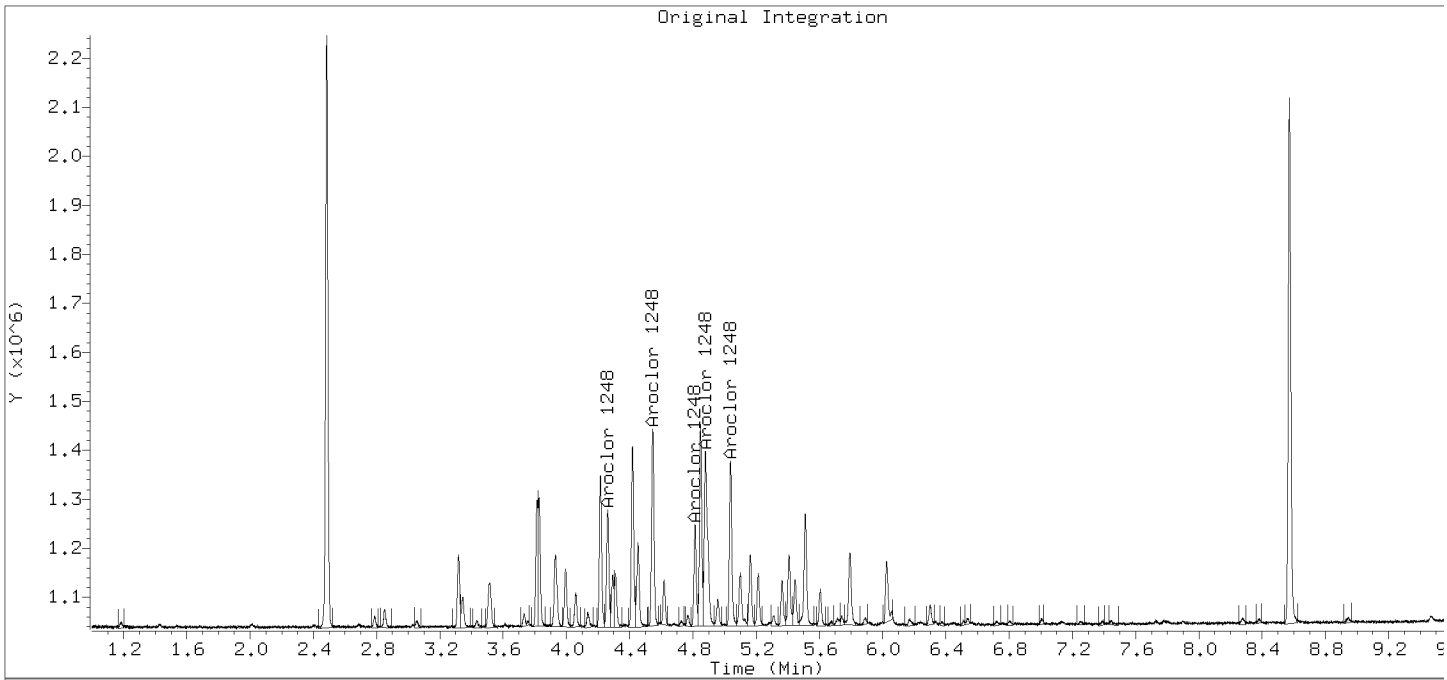
Operator: BLM

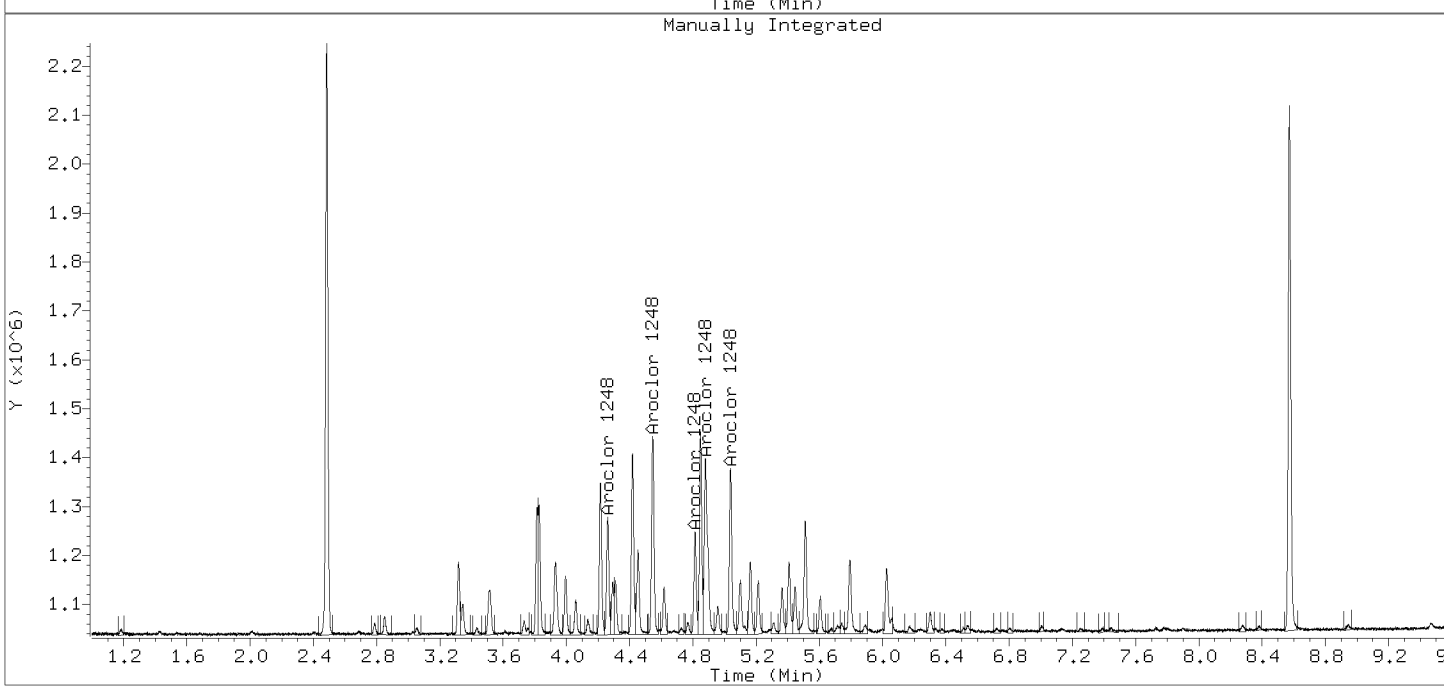
Column phase: ZB-1ms

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

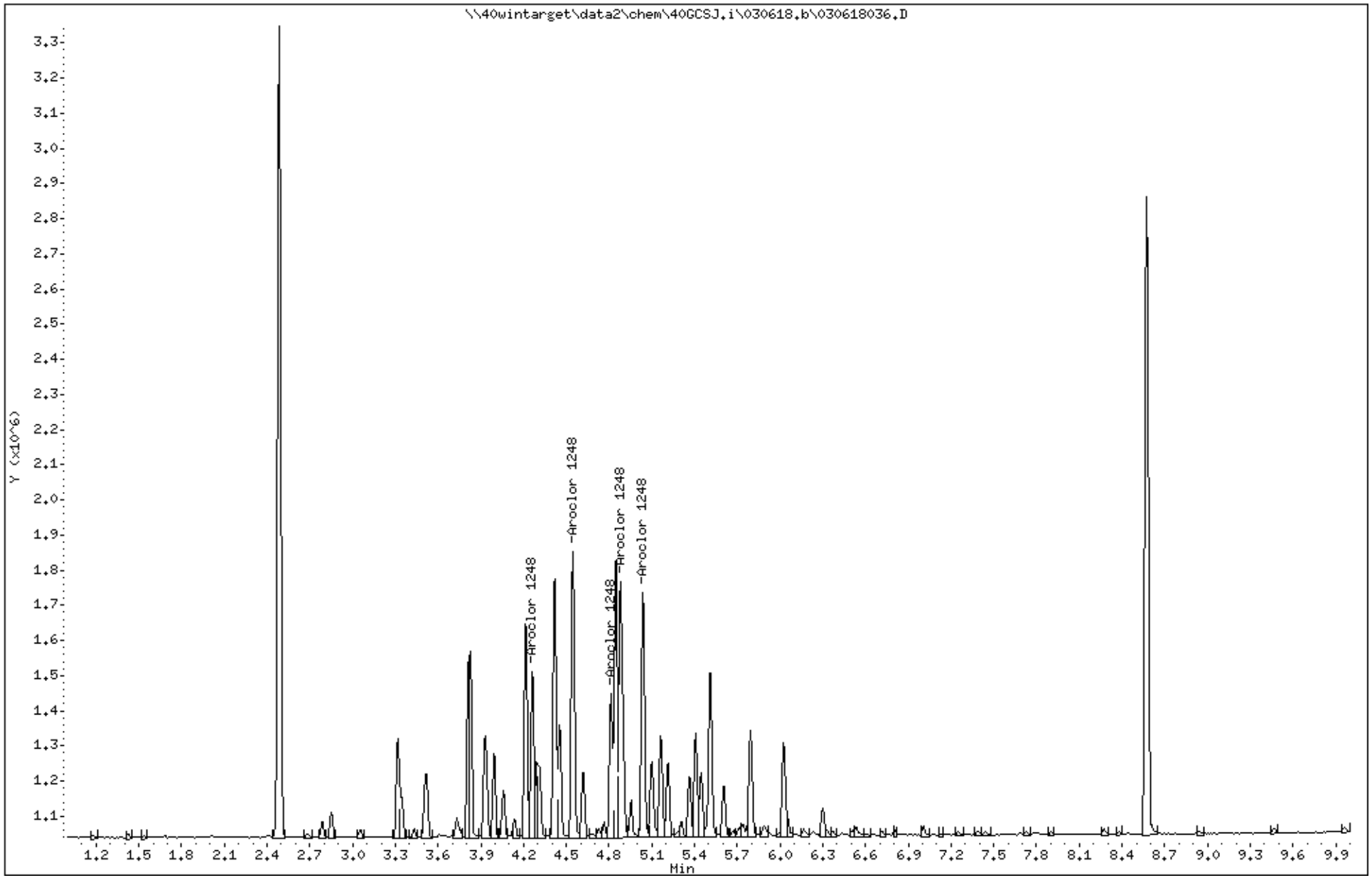
Instrument: 40GCSJ.i

Sample Info: 1248-CAL2D, 185548:1

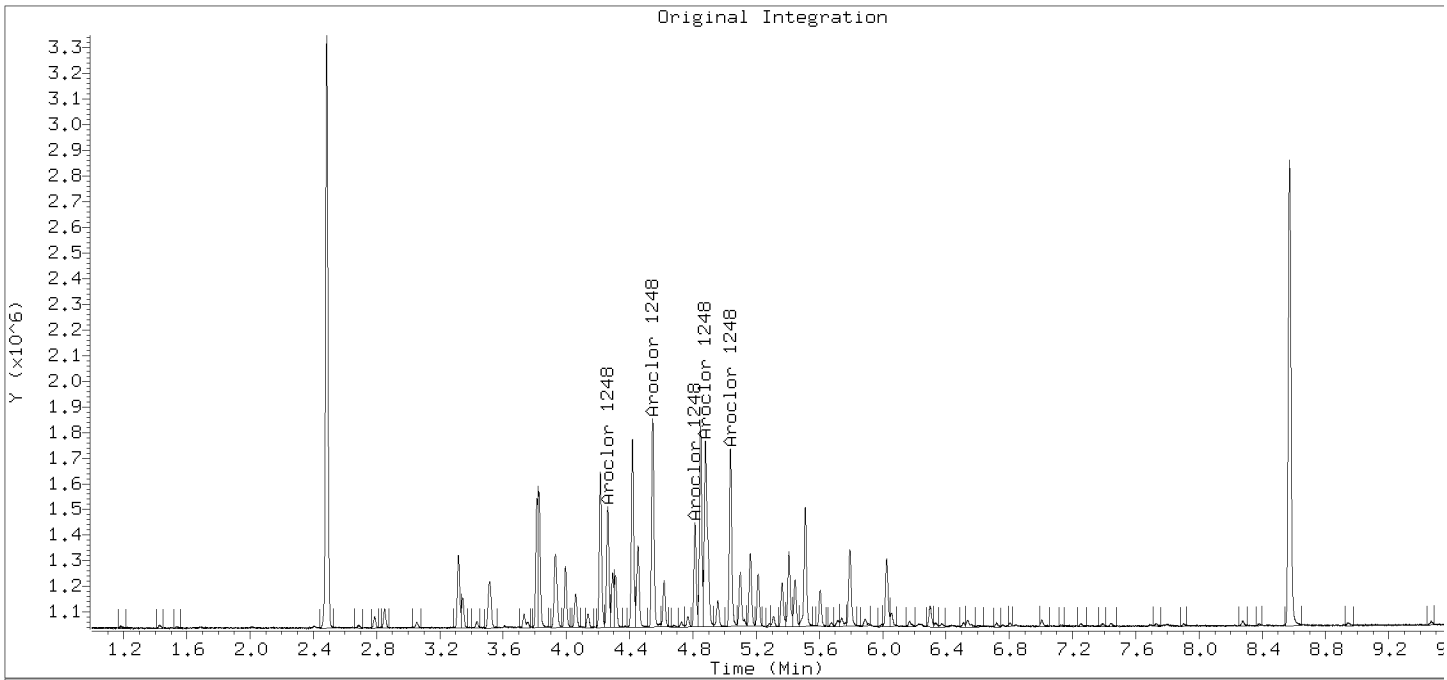
Operator: BLM

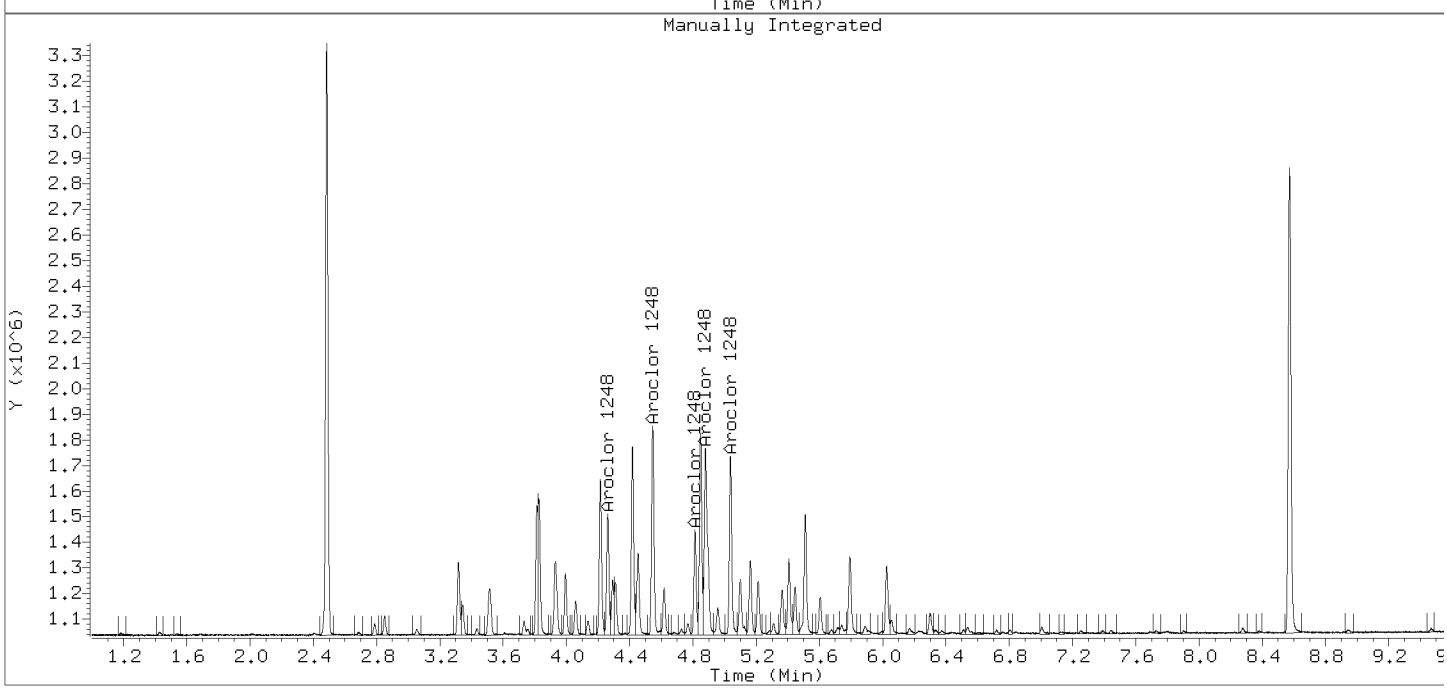
Column phase: ZB-1ms

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

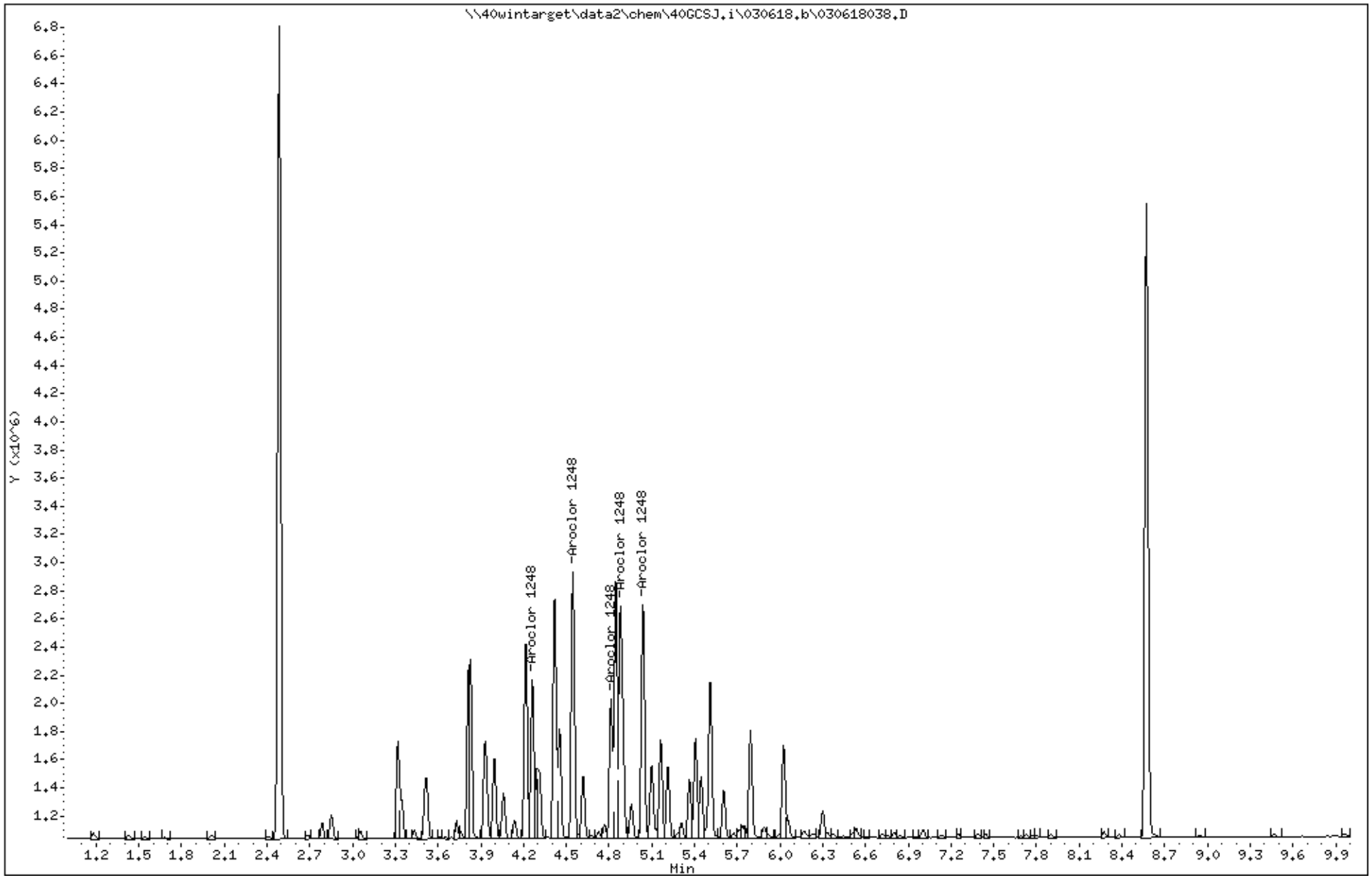
M - Compound response manually integrated.

Review Codes Legend

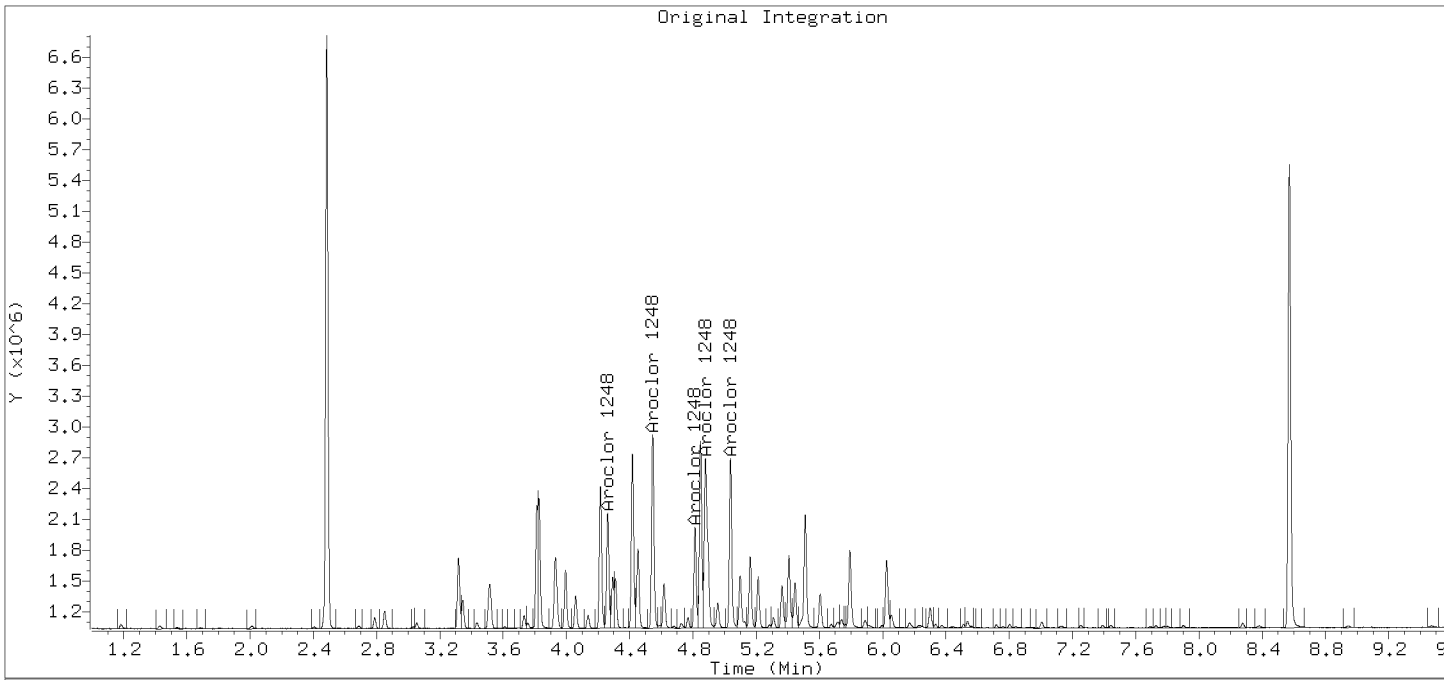
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

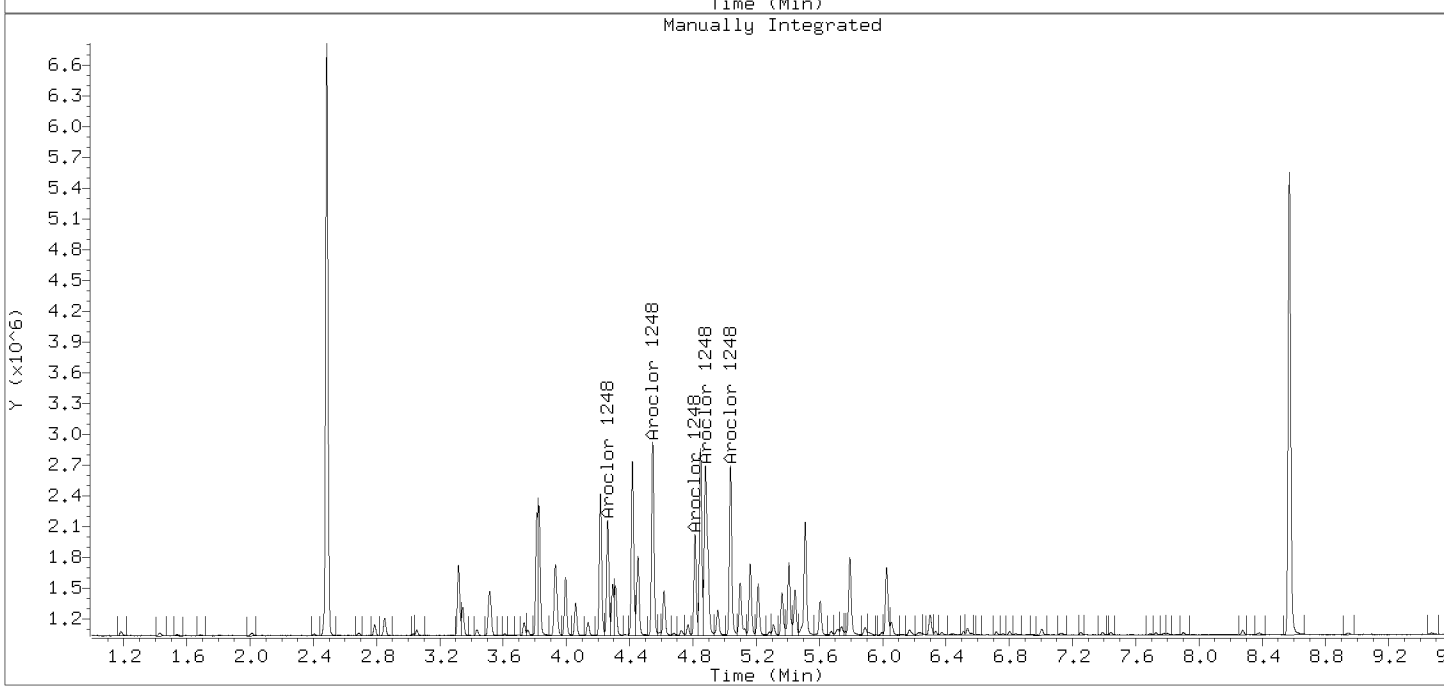
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618038.D
Date : 06-MAR-2018 15:53
Client ID: 1248-CAL3D
Sample Info: 1248-CAL3D, 185549:1

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

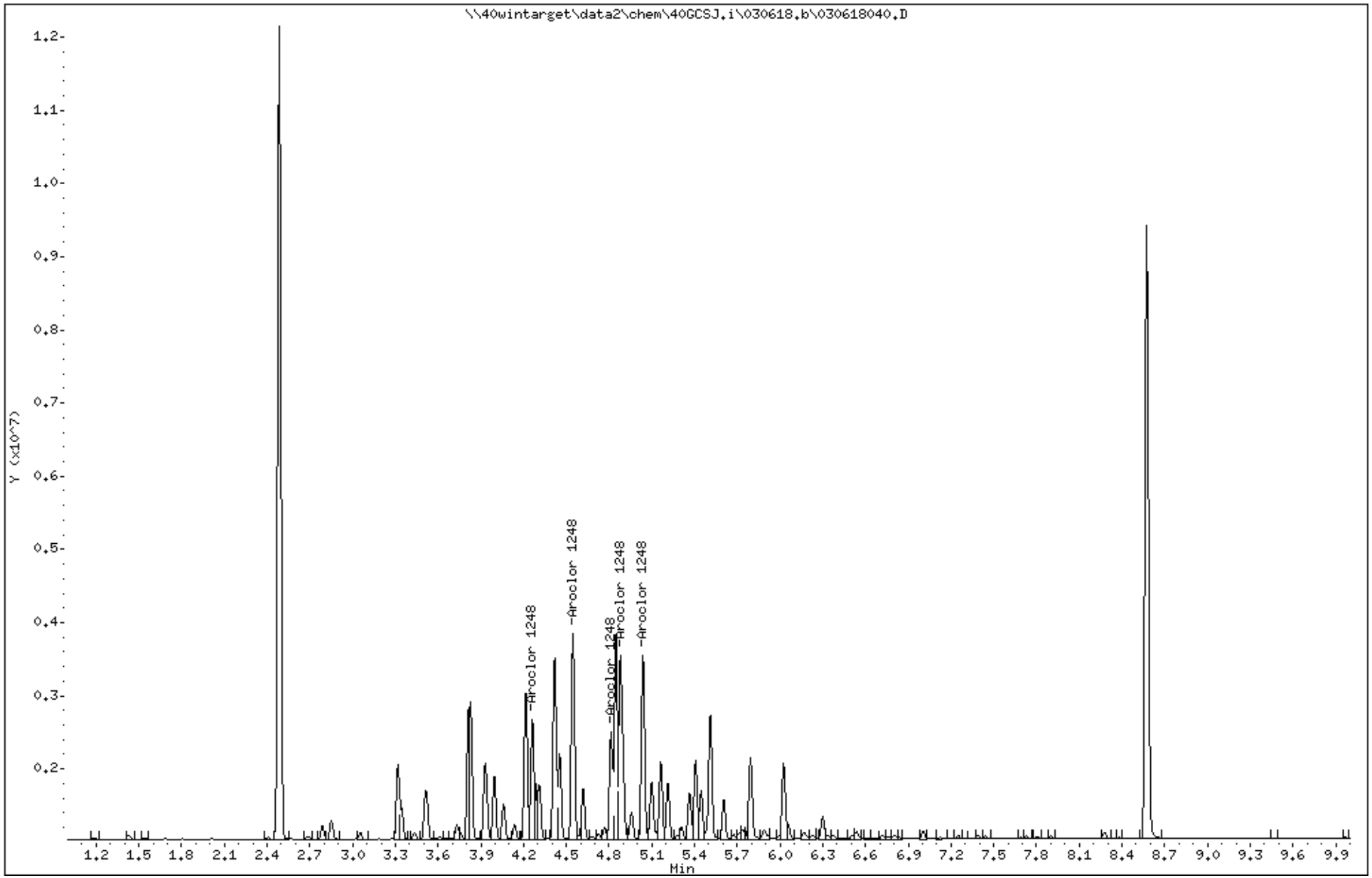
Instrument: 40GCSJ.i

Sample Info: 1248-CAL4D, 185550:1

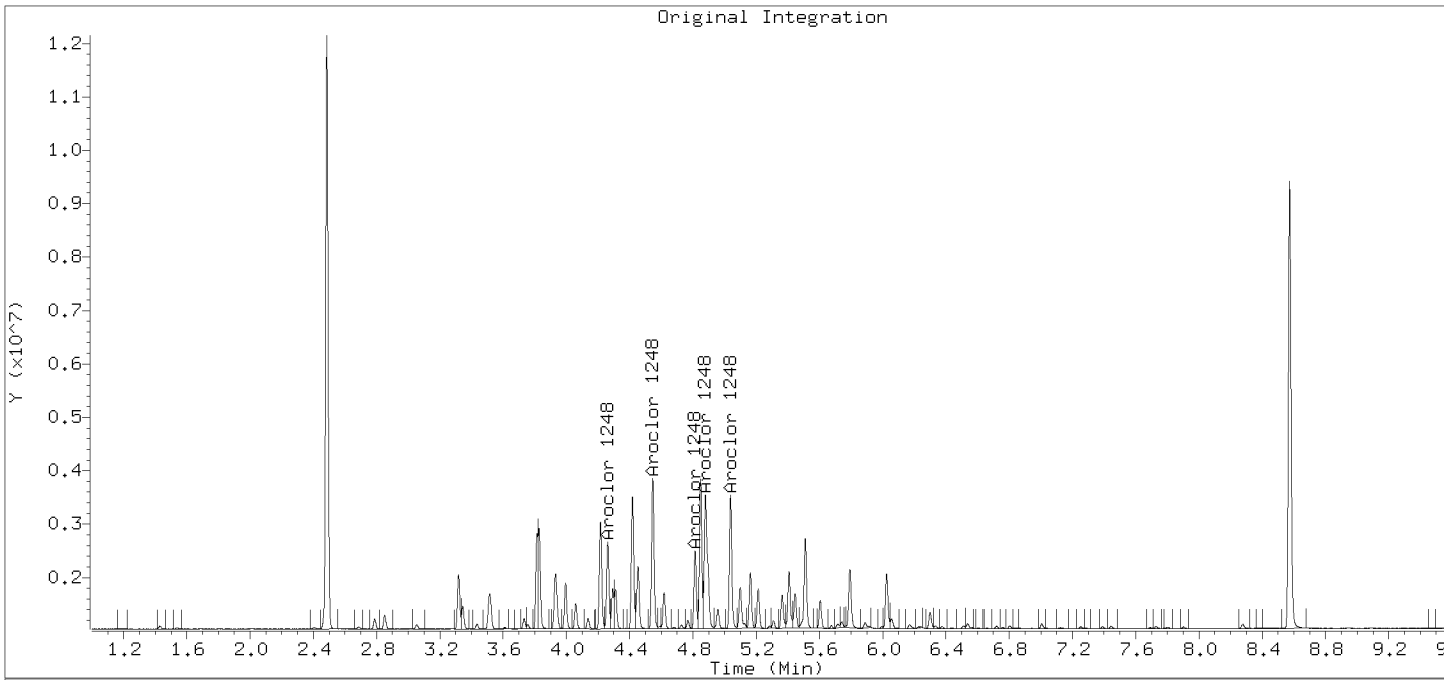
Operator: BLM

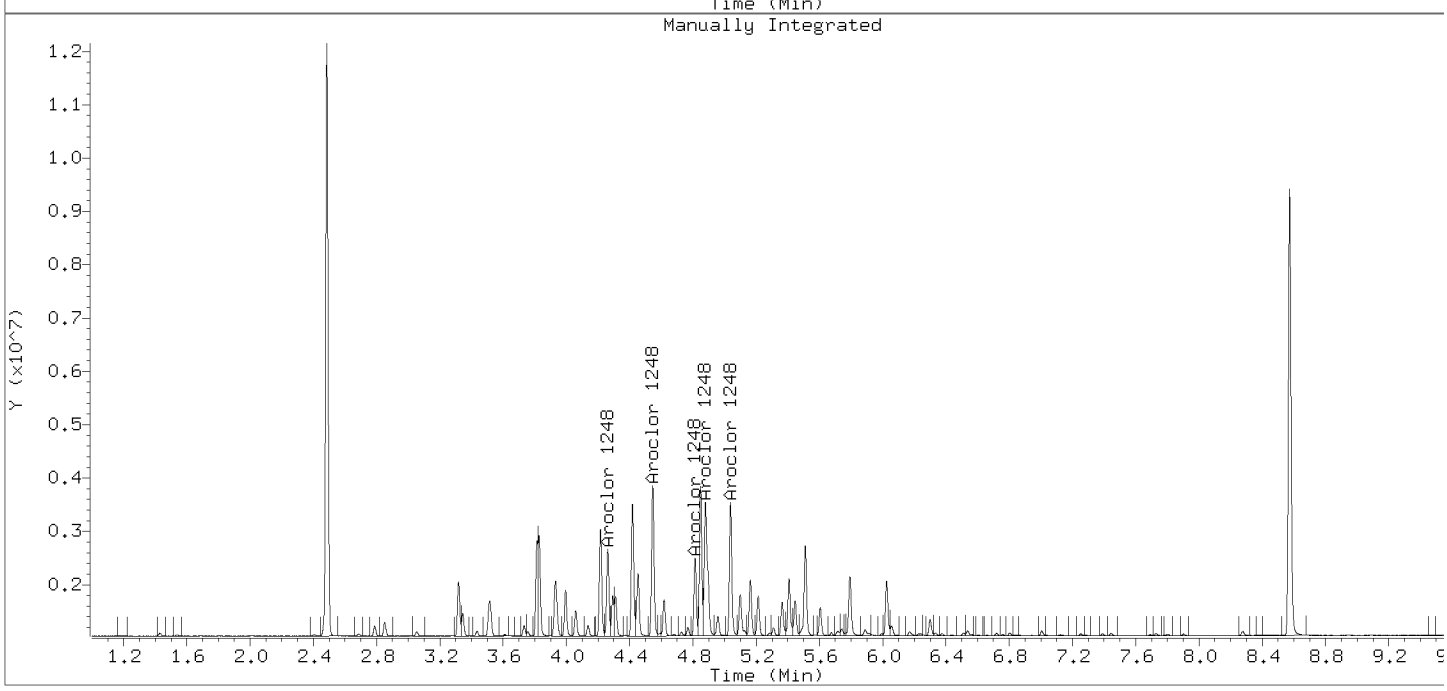
Column phase: ZB-1ms

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

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: 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

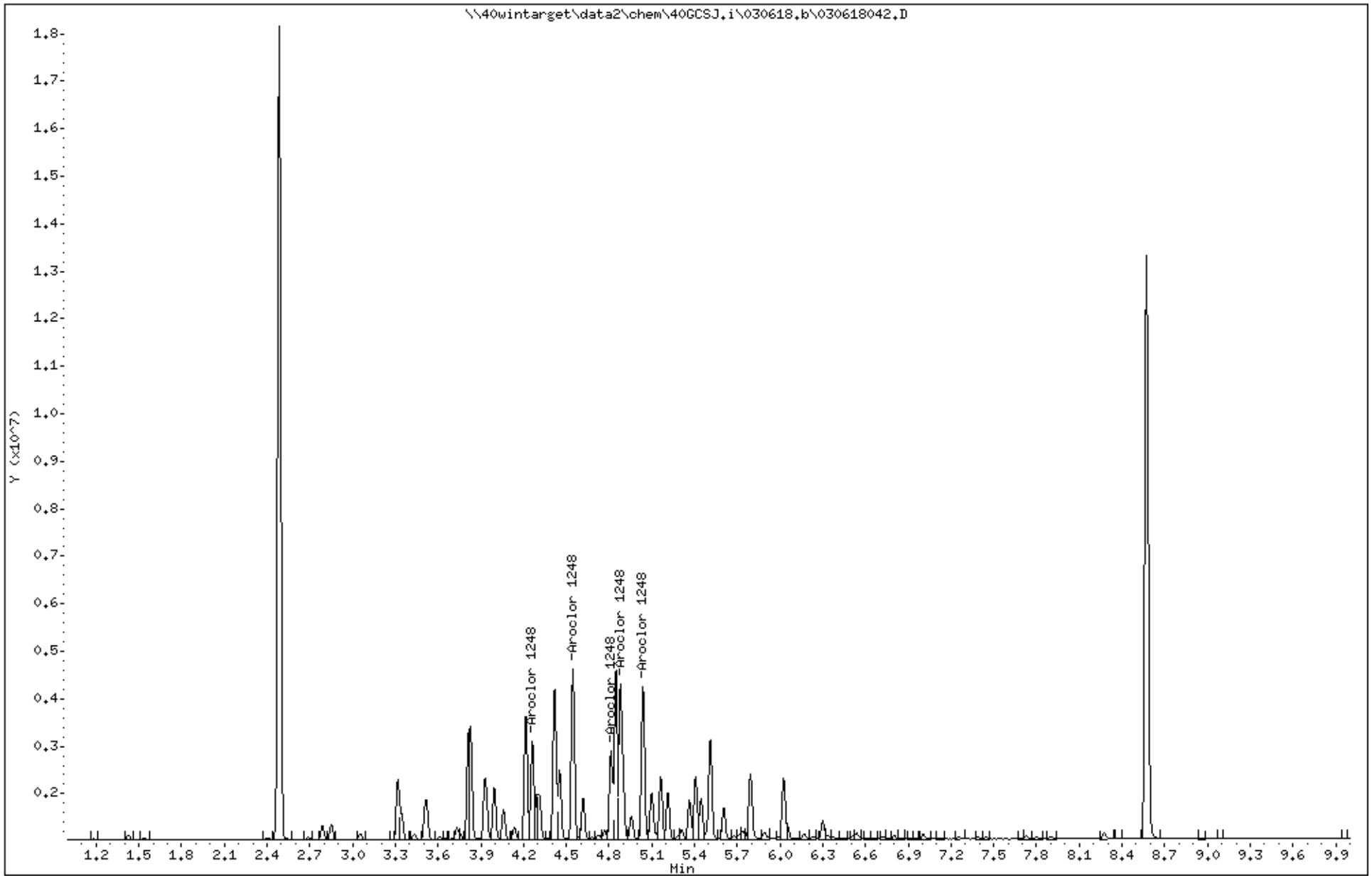
Instrument: 40GCSJ.i

Sample Info: 1248-CAL5D, 185551:1

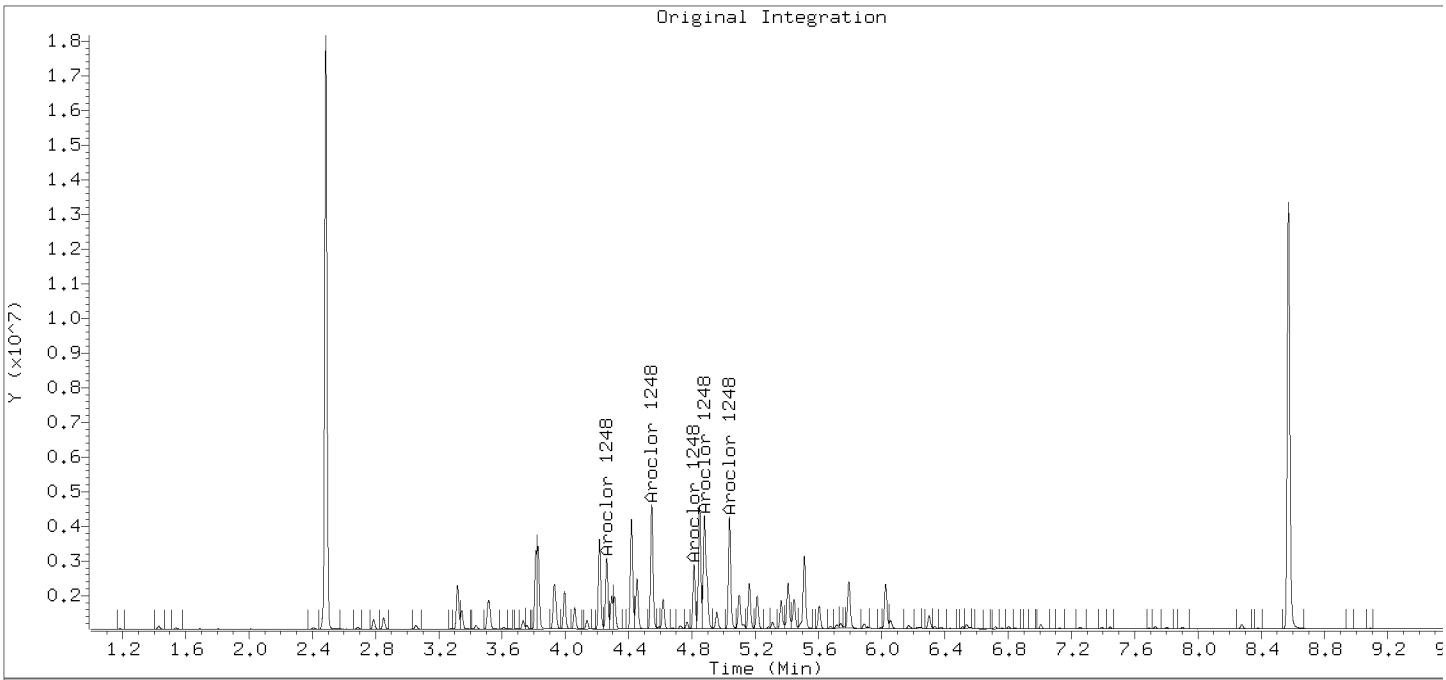
Operator: BLM

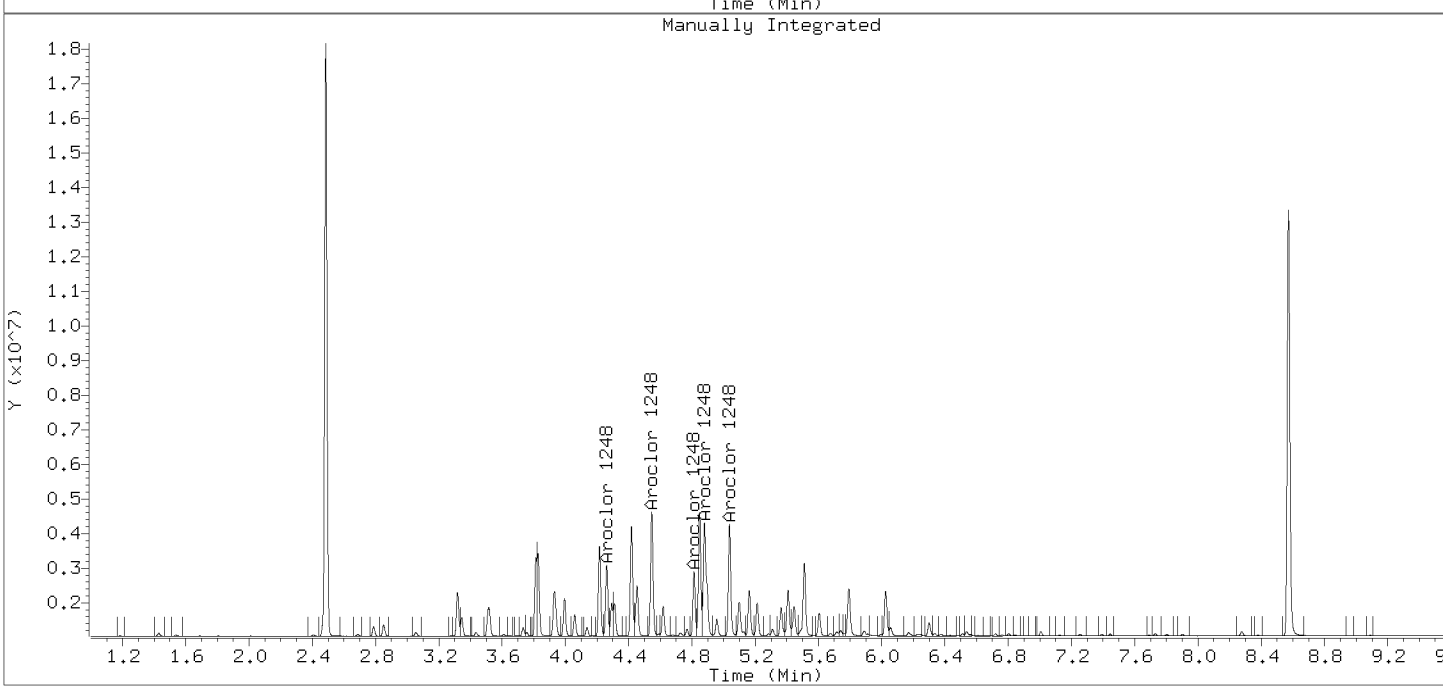
Column phase: ZB-1ms

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		

Data File: ...wintarget\data2\chem\40GCSJ.i\030618.b\030618046.D Page 2
Report Date: 22-Mar-2018 13:34

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

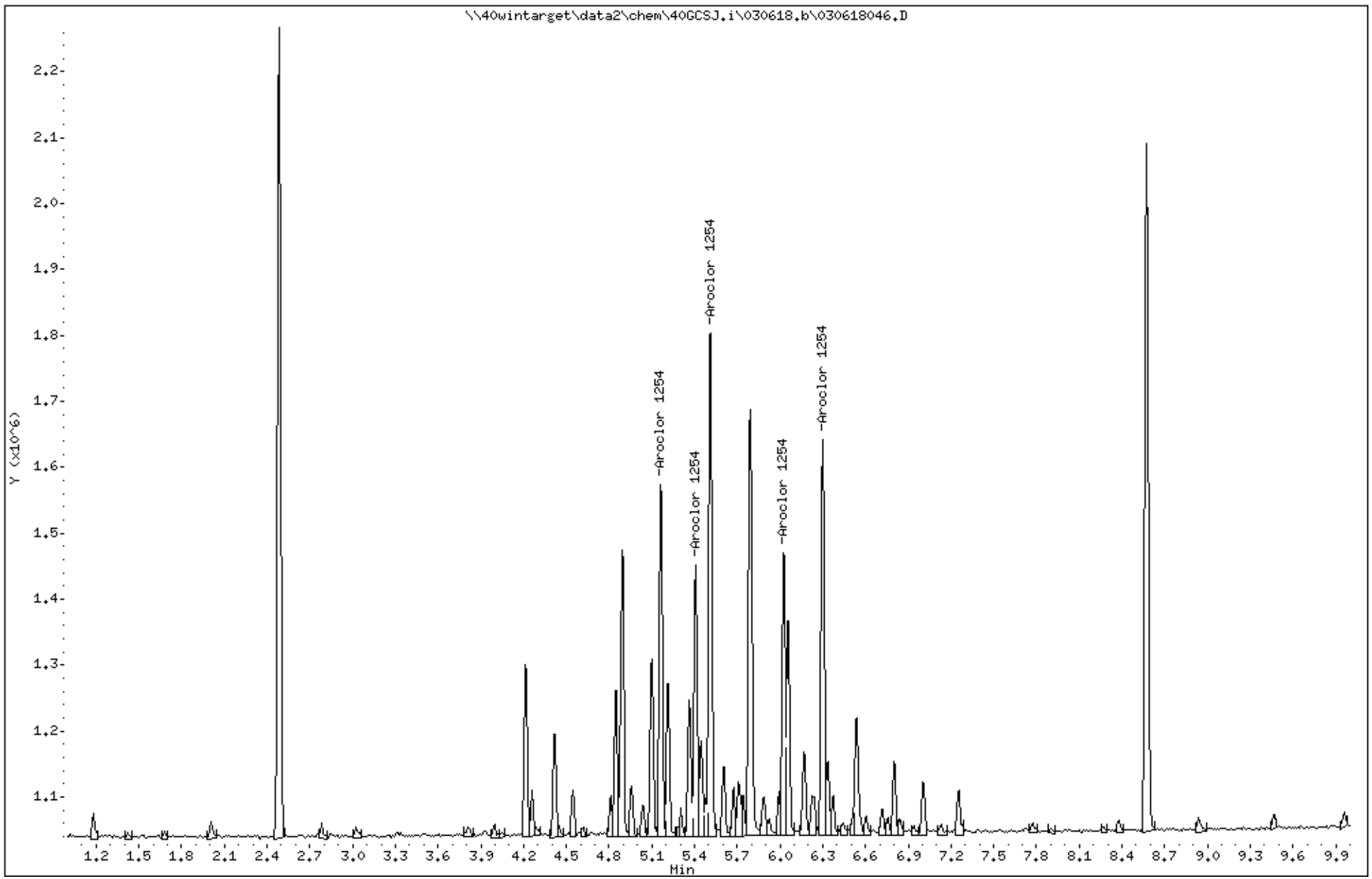
Instrument: 40GCSJ.i

Sample Info: 1254-CAL1C, 188135:1

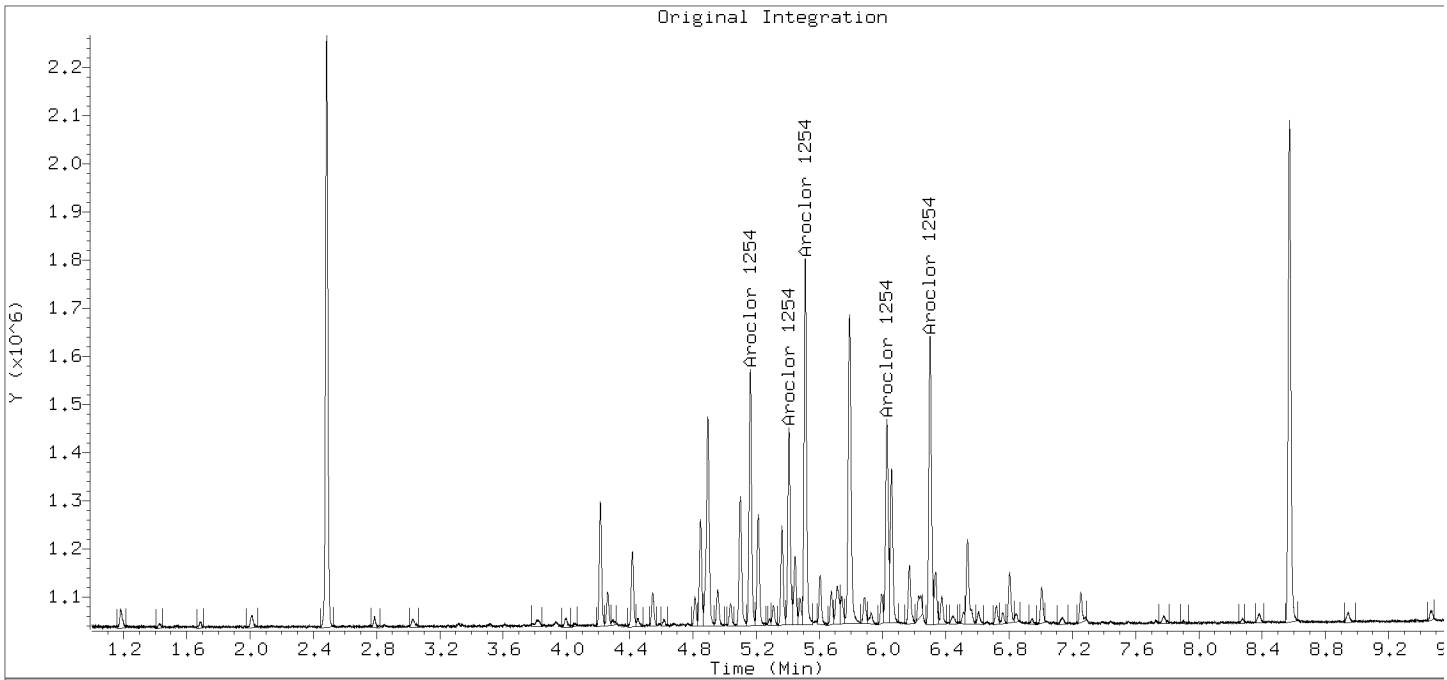
Operator: BLM

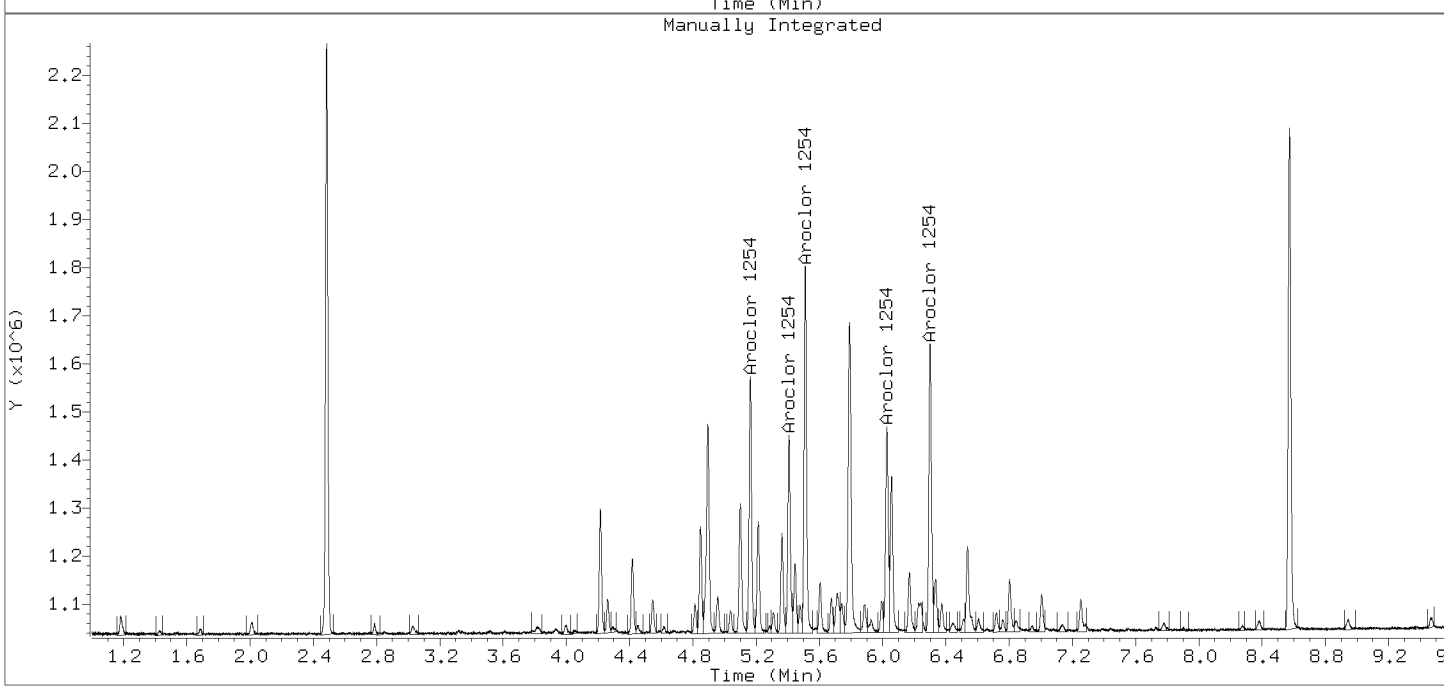
Column phase: ZB-1ms

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

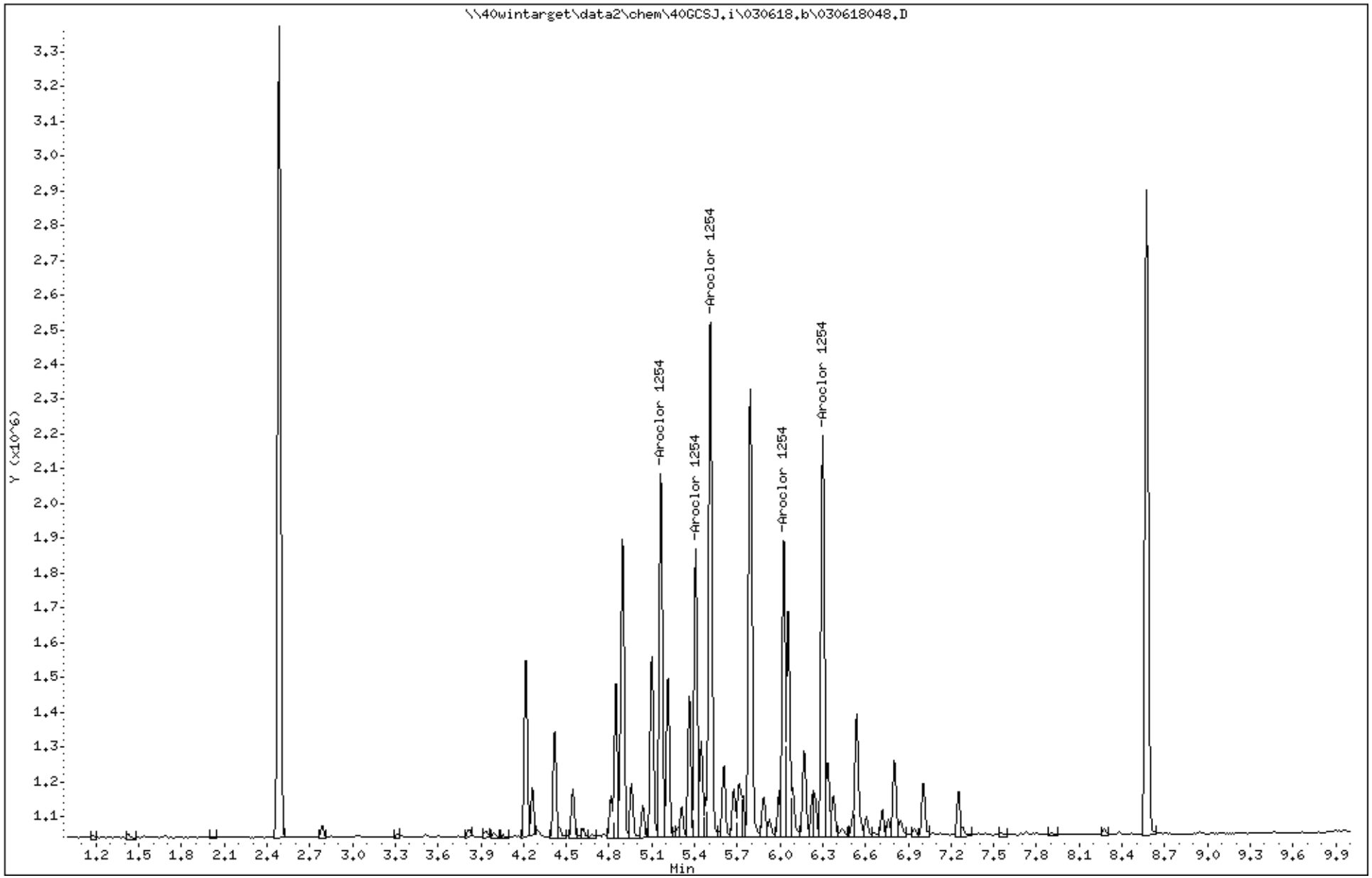
M - Compound response manually integrated.

Review Codes Legend

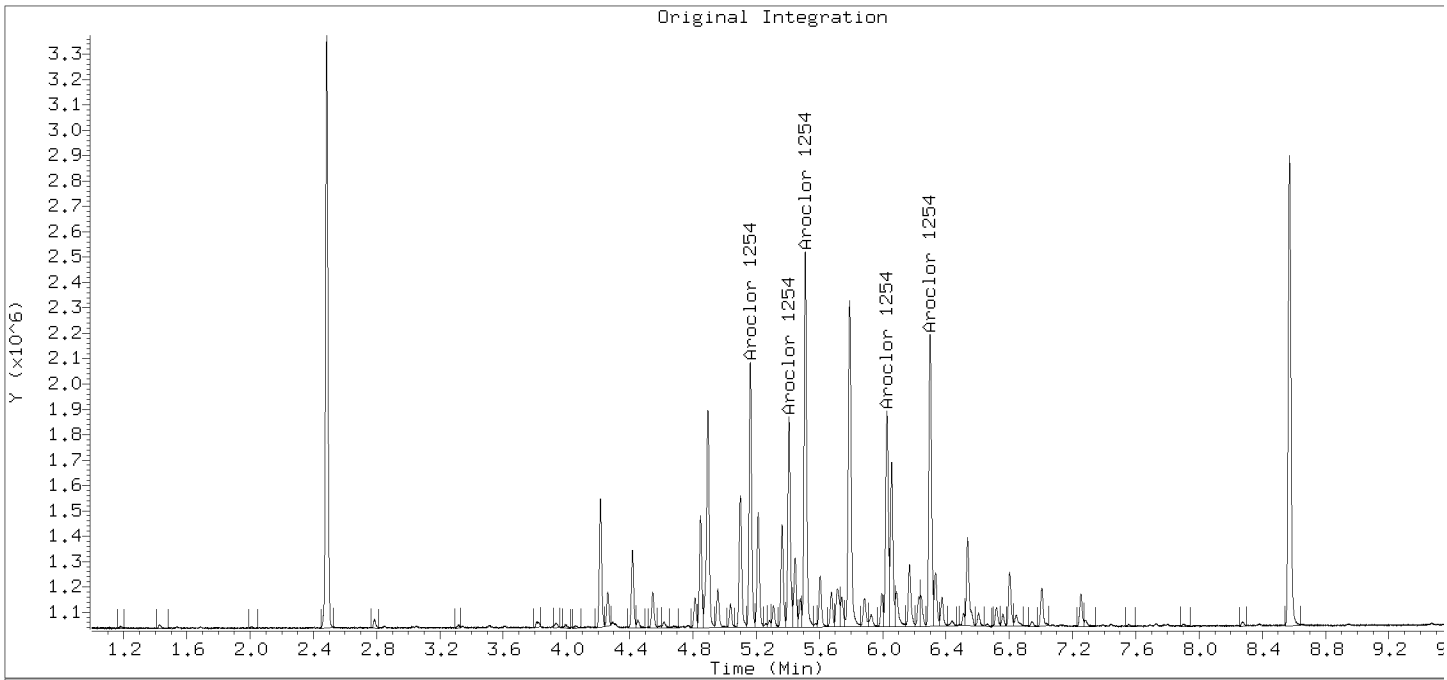
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

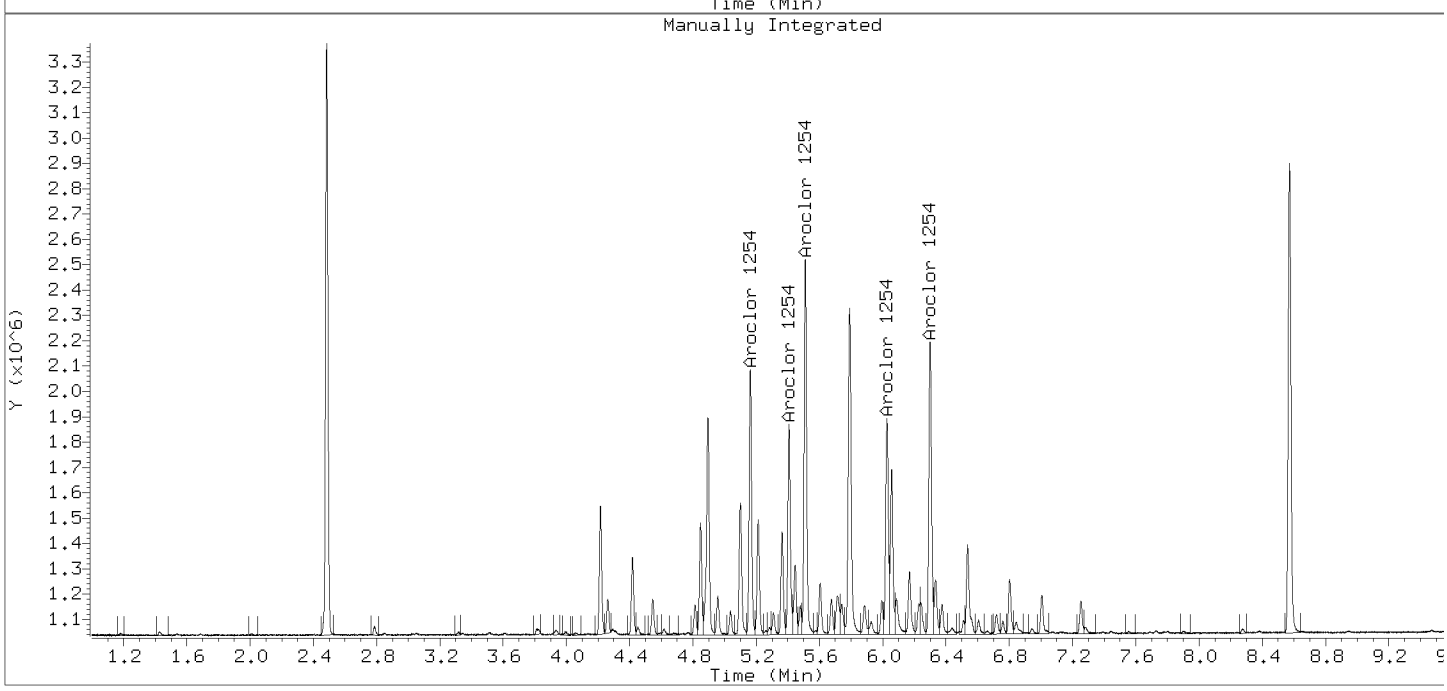
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618048.D
Date : 06-MAR-2018 17:13
Client ID: 1254-CAL2C
Sample Info: 1254-CAL2C, 185553:1

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

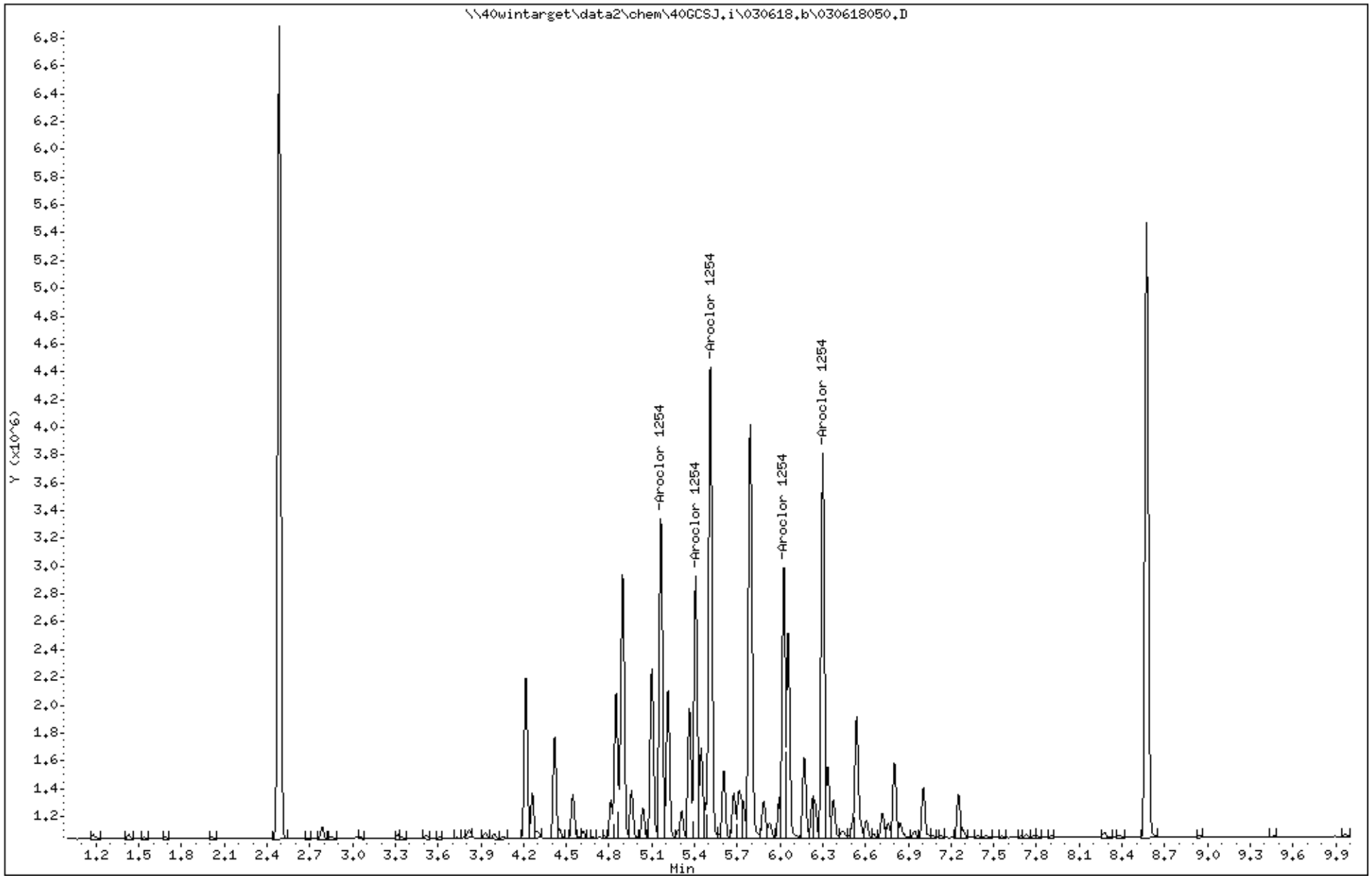
Instrument: 40GCSJ.i

Sample Info: 1254-CAL3C, 185554:1

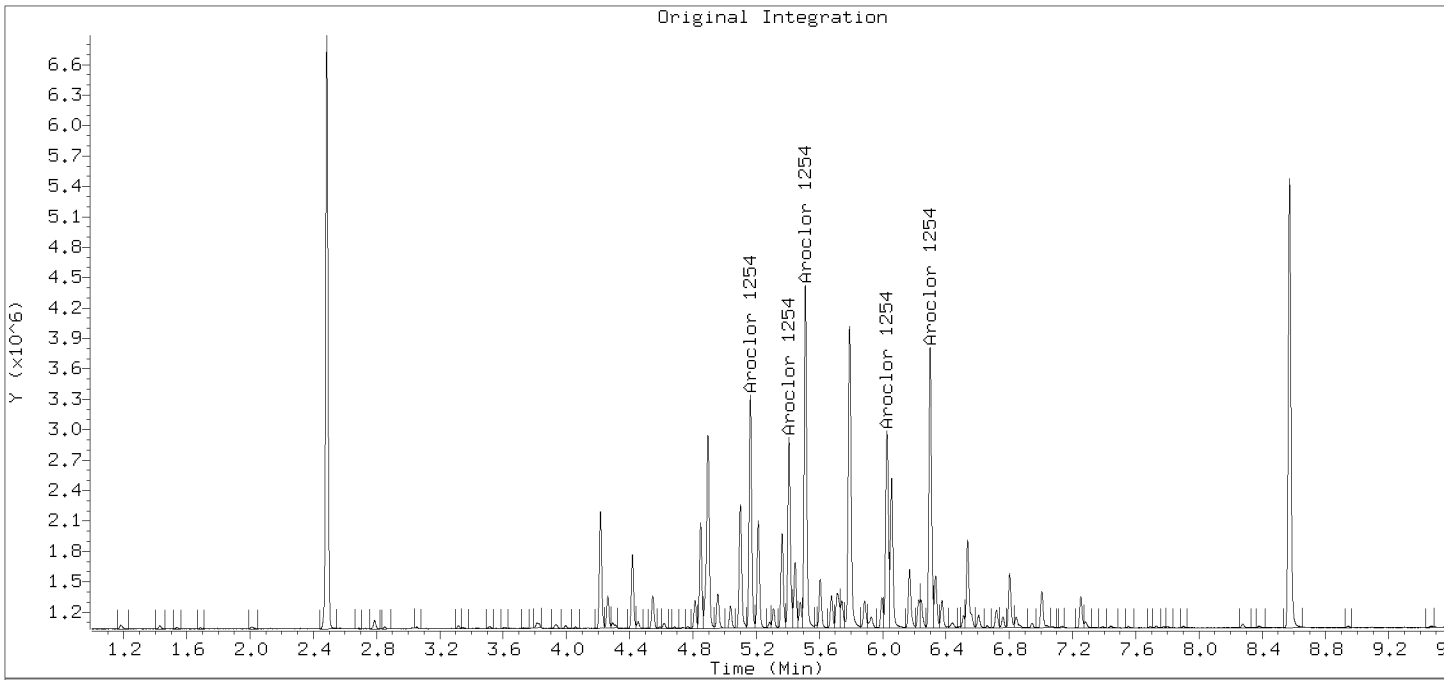
Operator: BLM

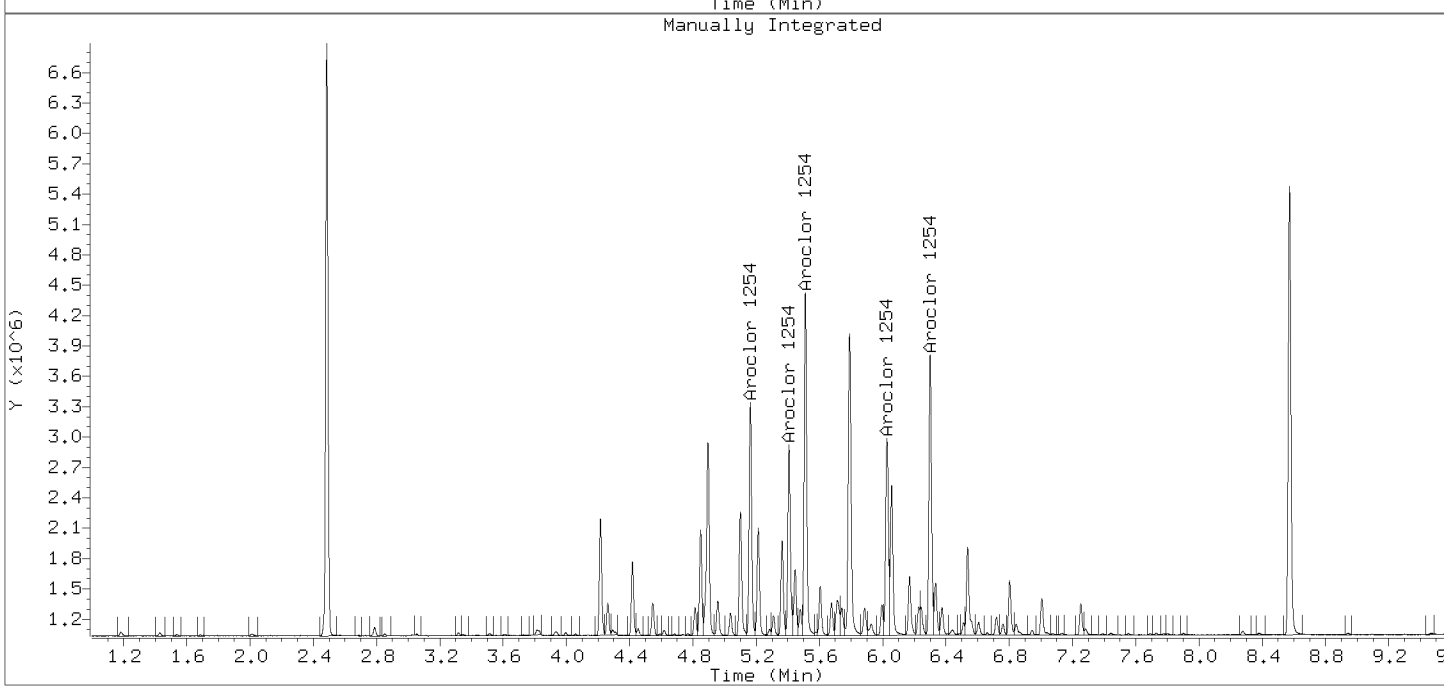
Column phase: ZB-1ms

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

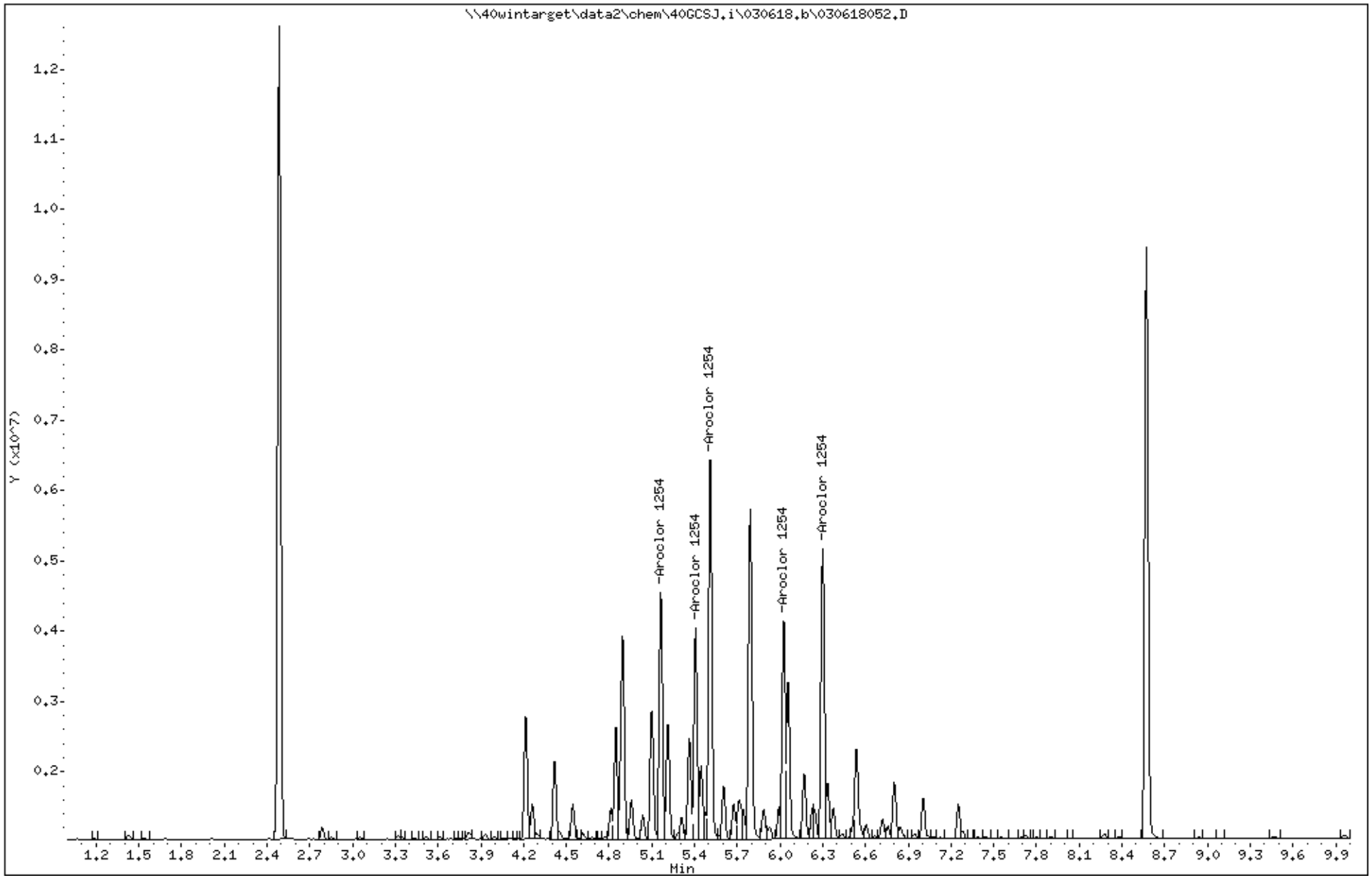
Instrument: 40GCSJ.i

Sample Info: 1254-CAL4C, 185555:1

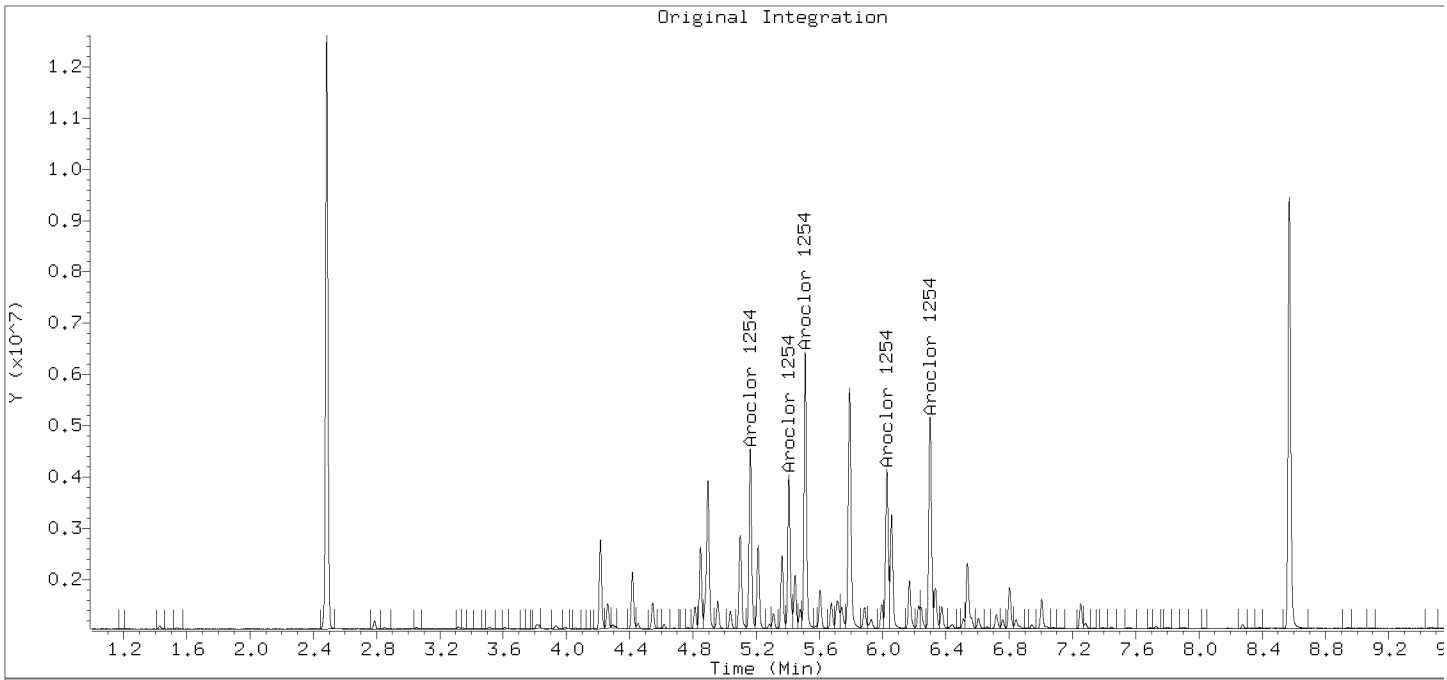
Operator: BLM

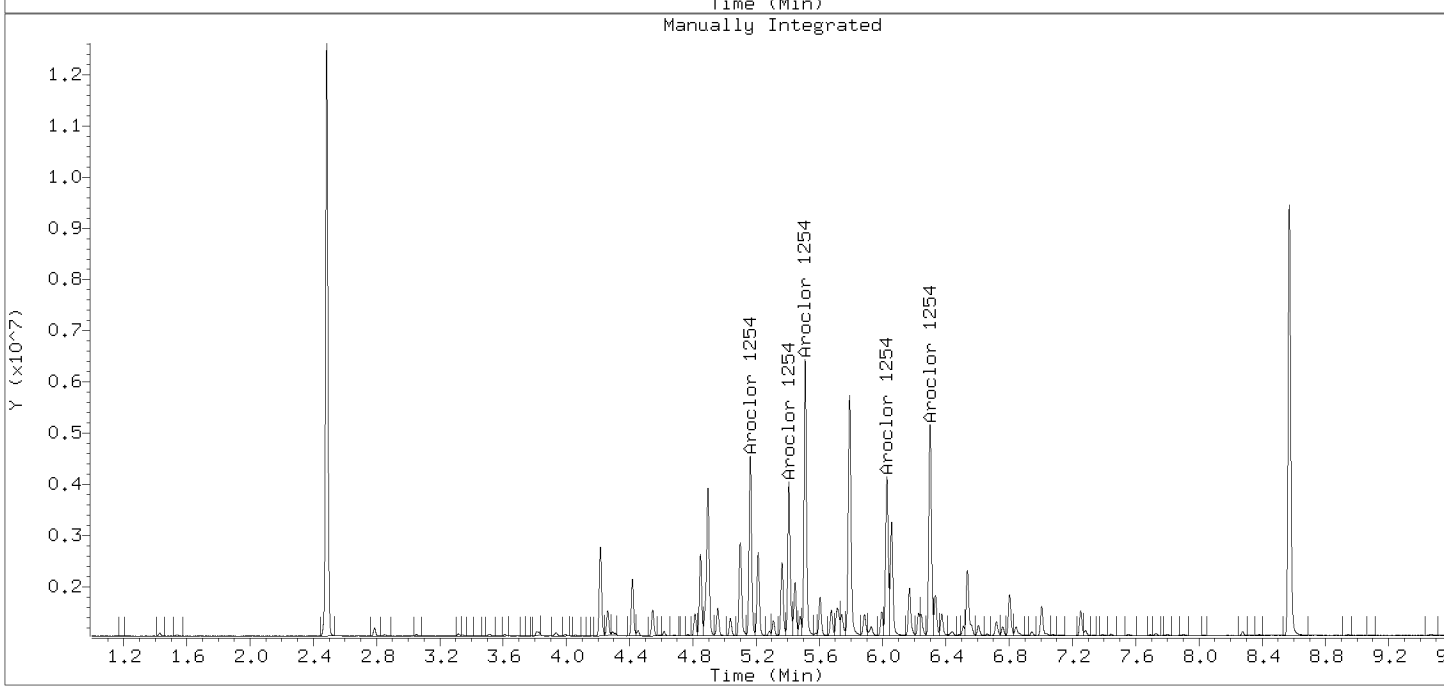
Column phase: ZB-1ms

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

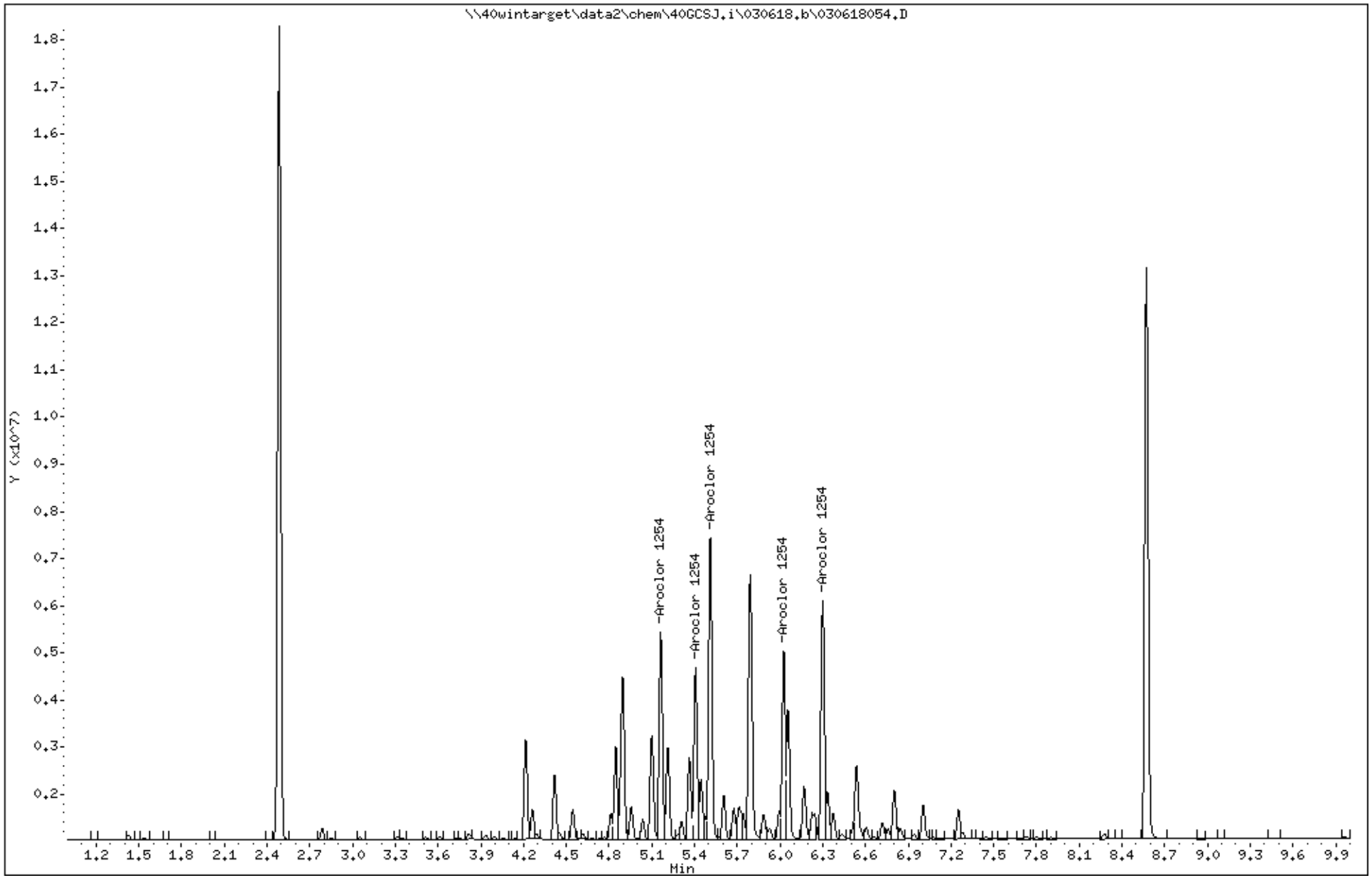
Instrument: 40GCSJ.i

Sample Info: 1254-CAL5C, 185556:1

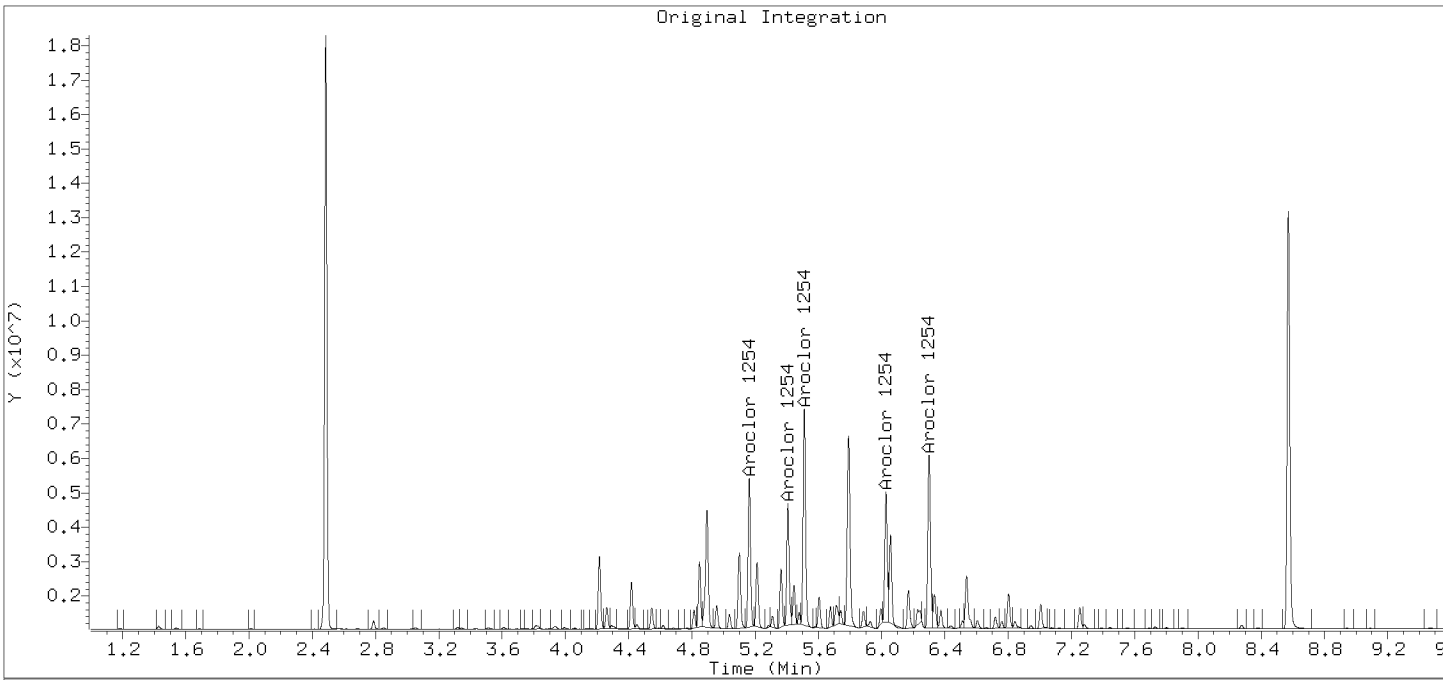
Operator: BLM

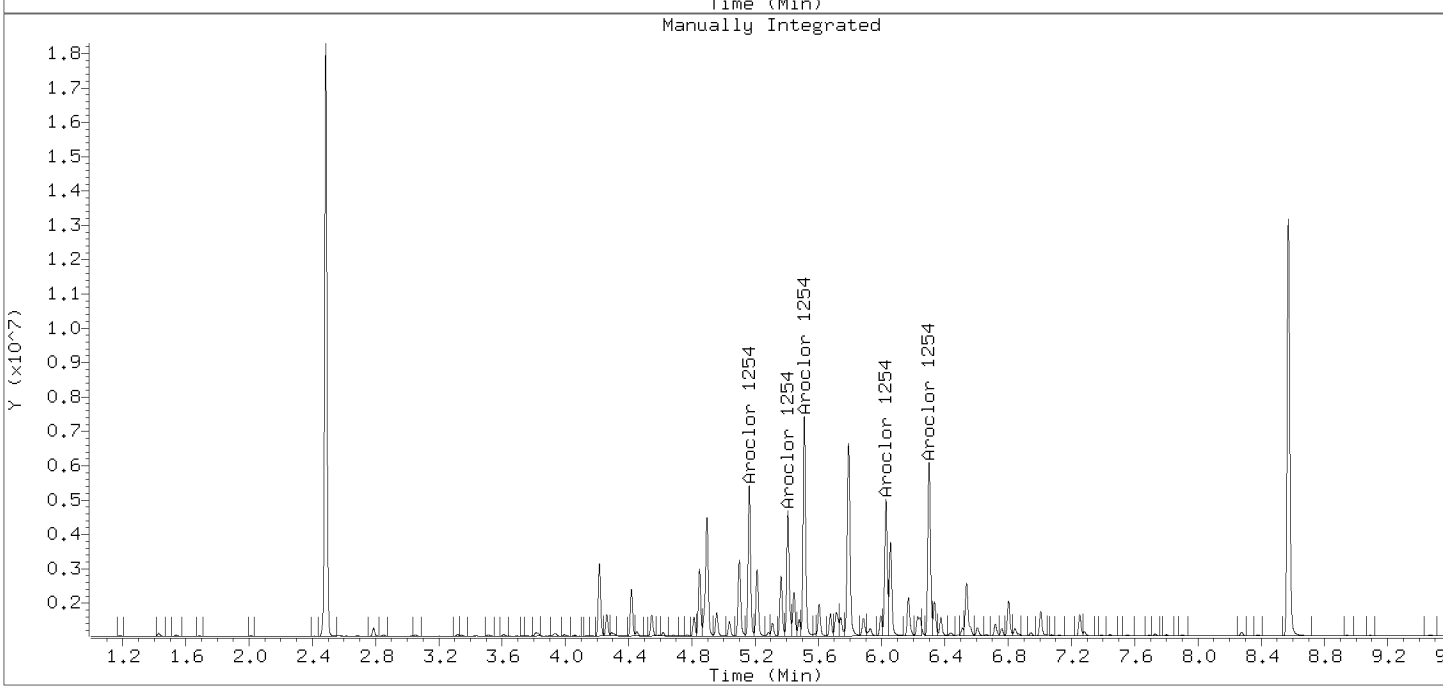
Column phase: ZB-1ms

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.

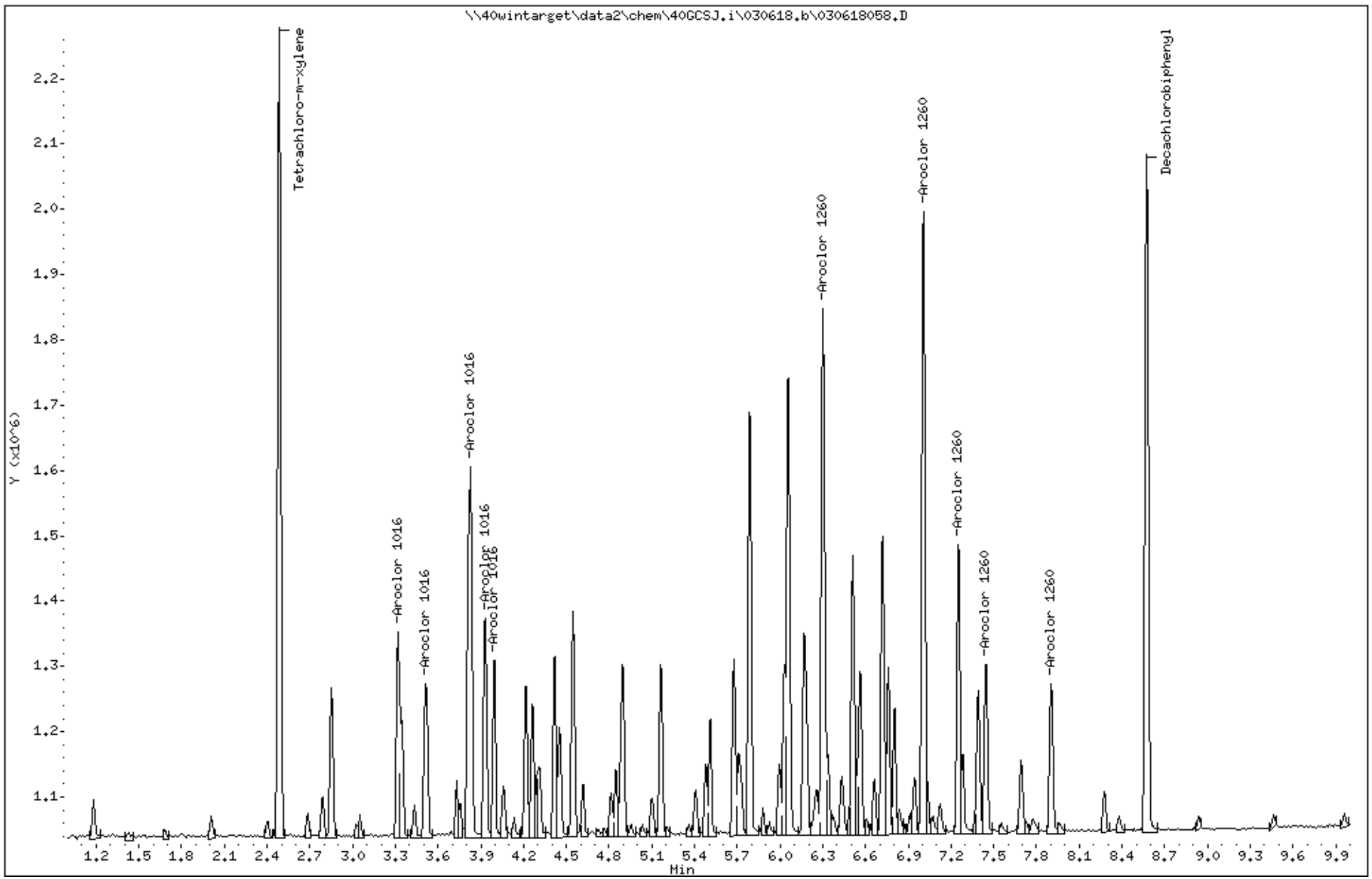
QC Flag Legend

Review Codes Legend

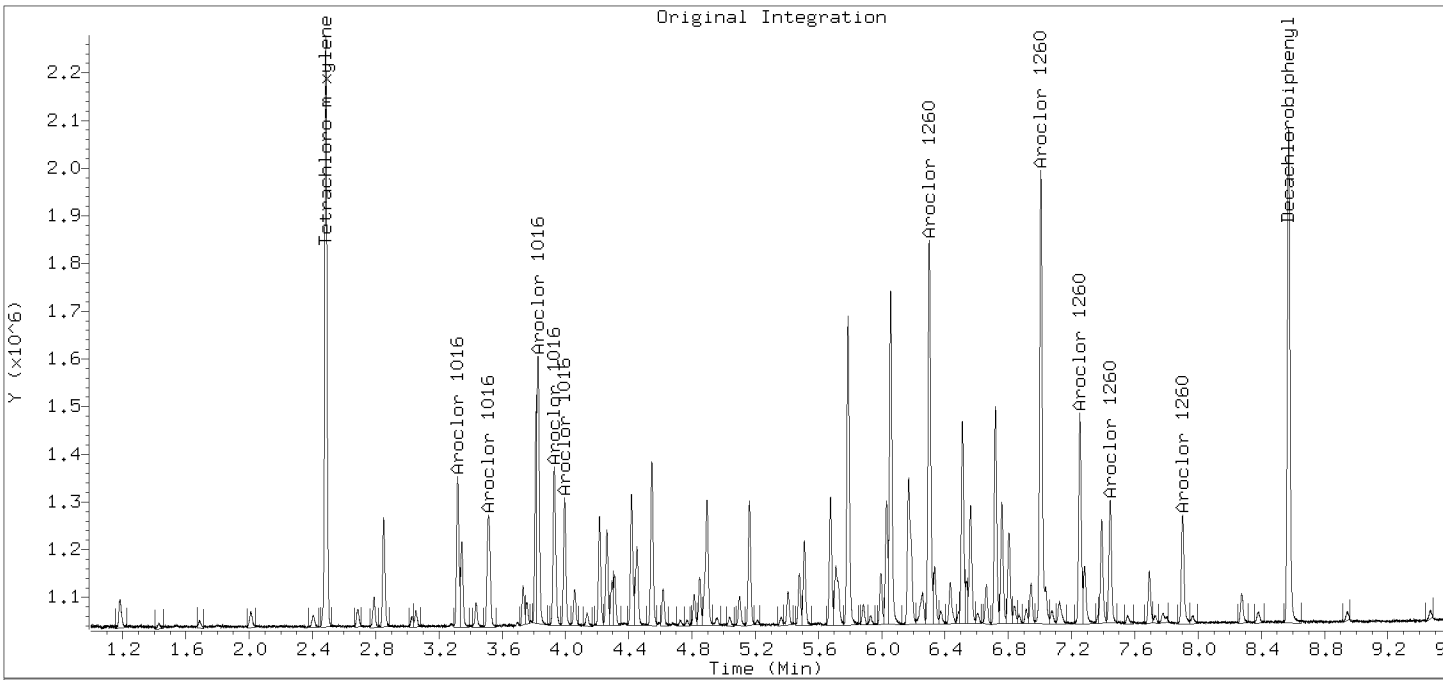
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

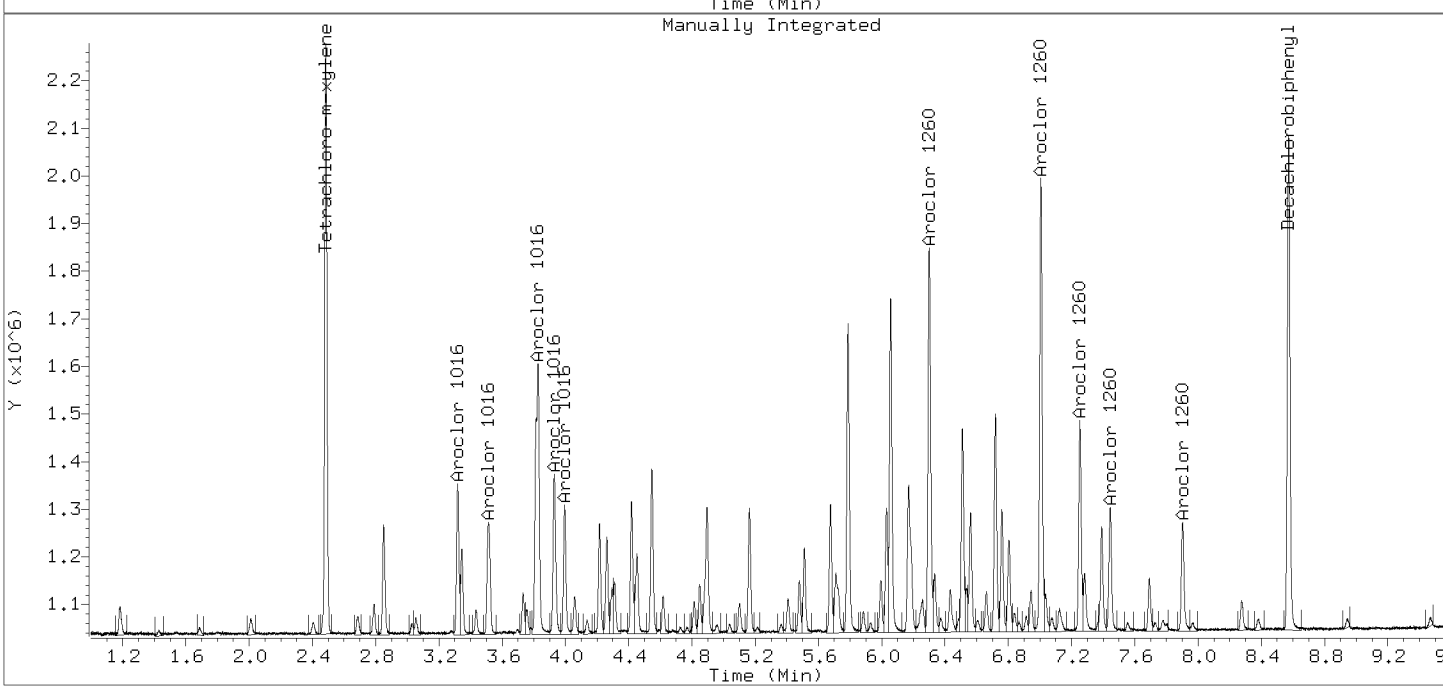
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618058.D
Date : 06-MAR-2018 18:34
Client ID: 1660-CAL1A
Sample Info: 1660-CAL1A, 188136:1

Instrument: 40GCSJ.i
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	

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: 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

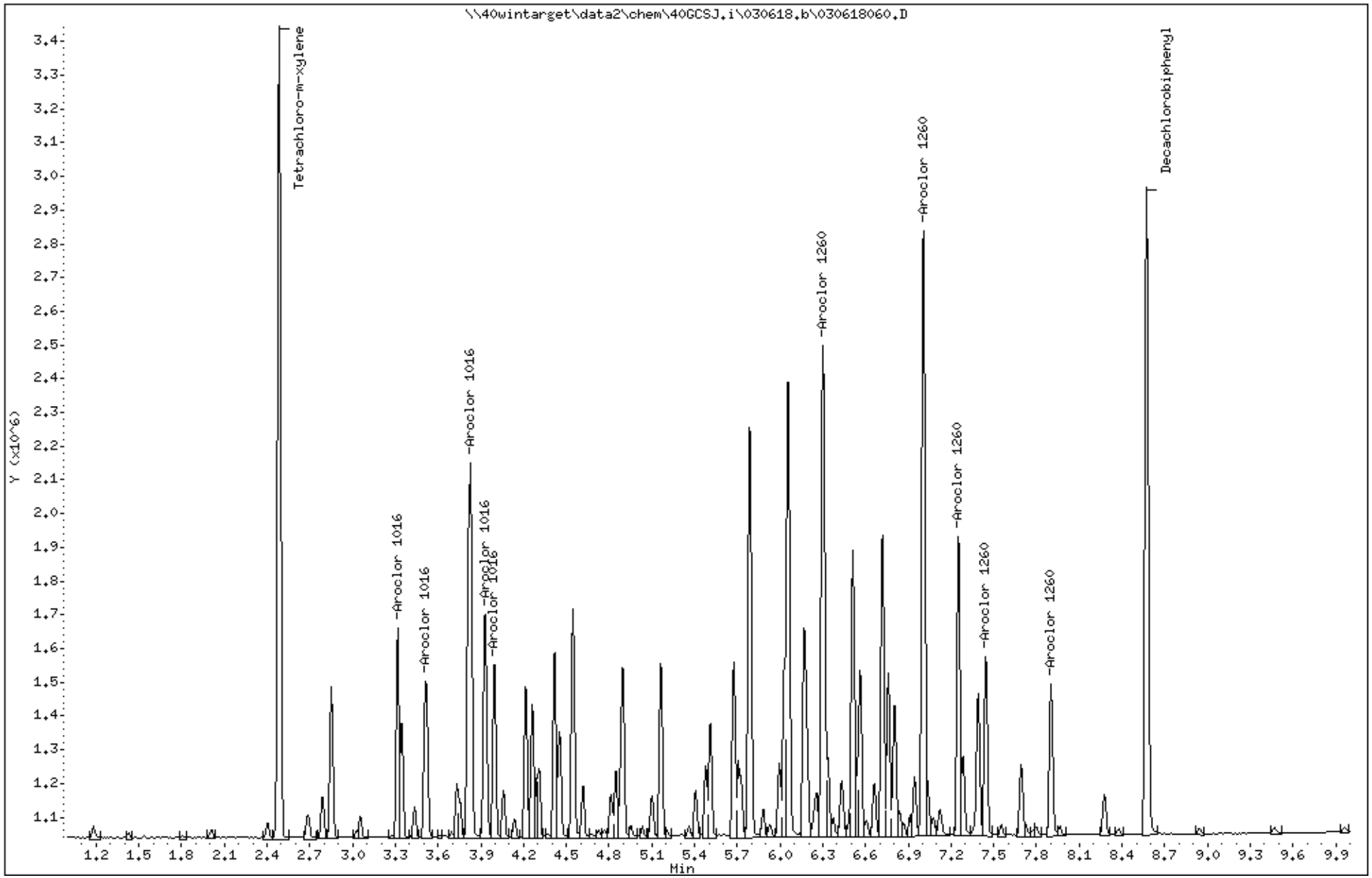
Instrument: 40GCSJ.i

Sample Info: 1660-CAL2A, 185558:1

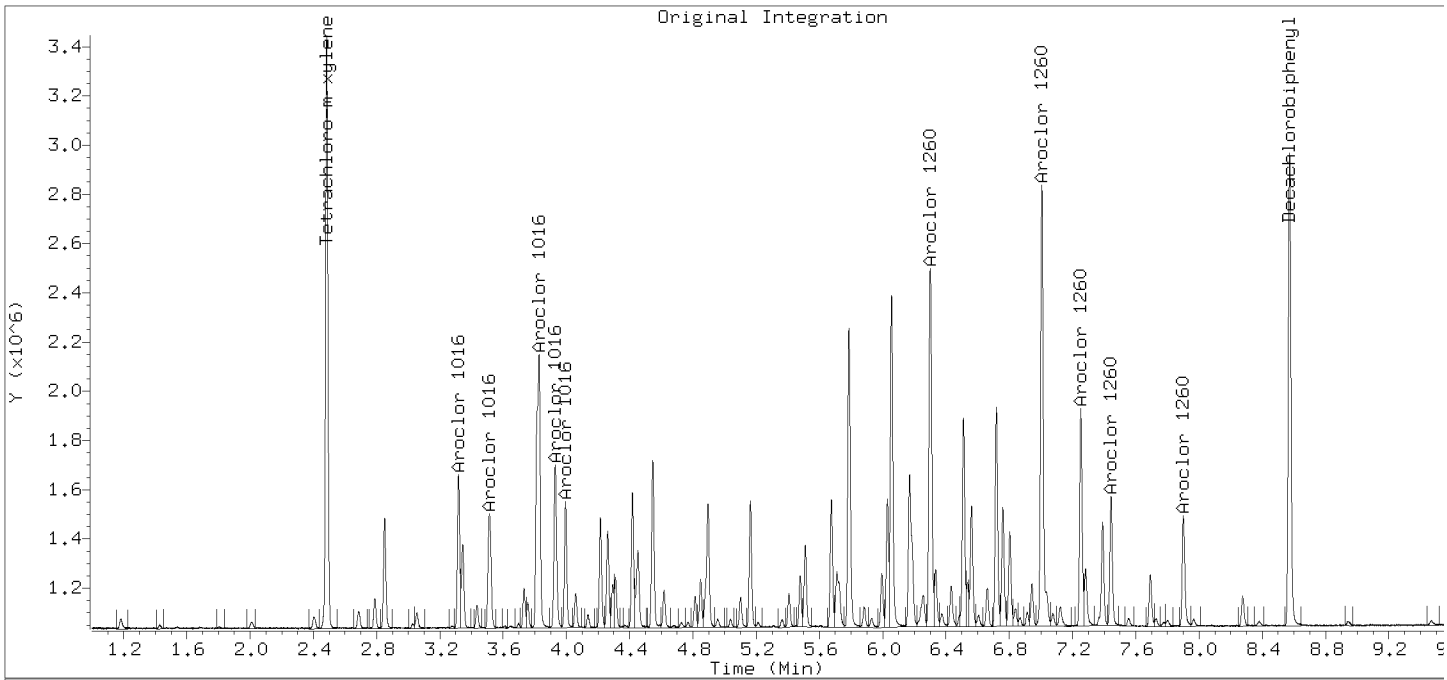
Operator: BLM

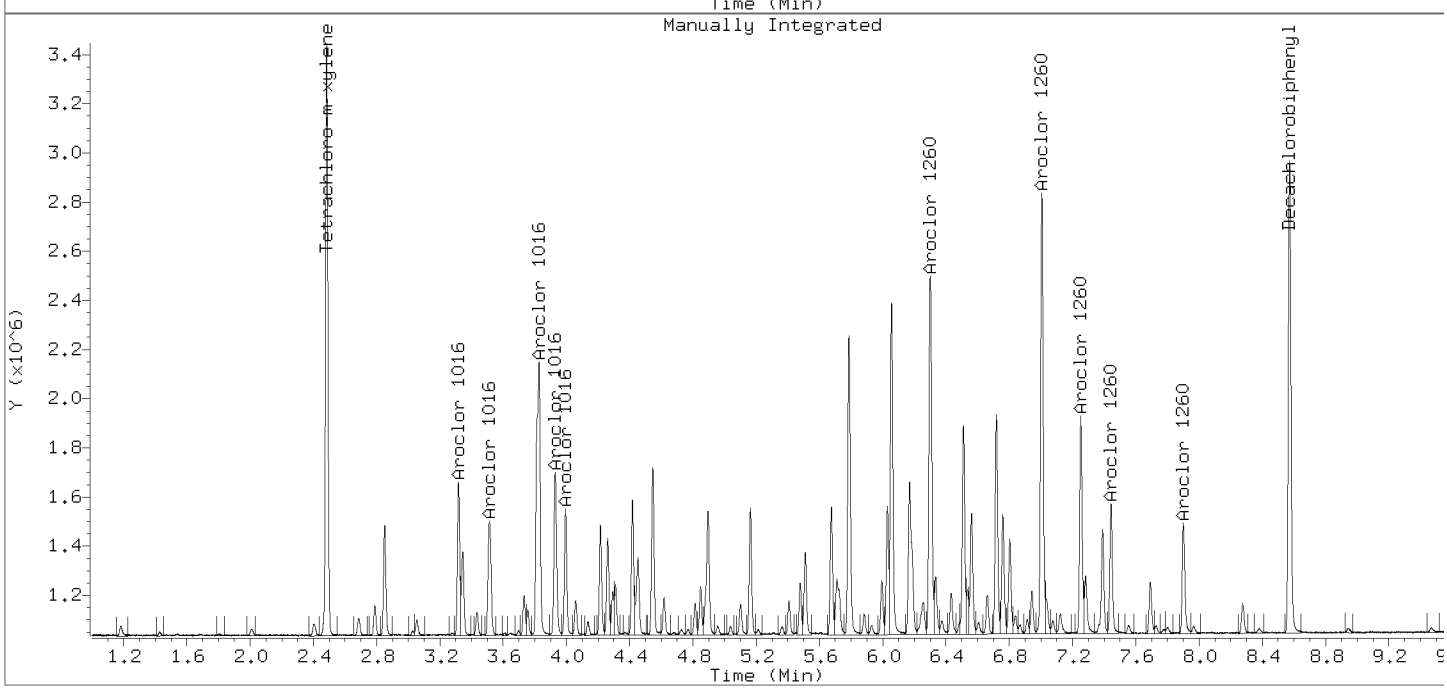
Column phase: ZB-1ms

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.

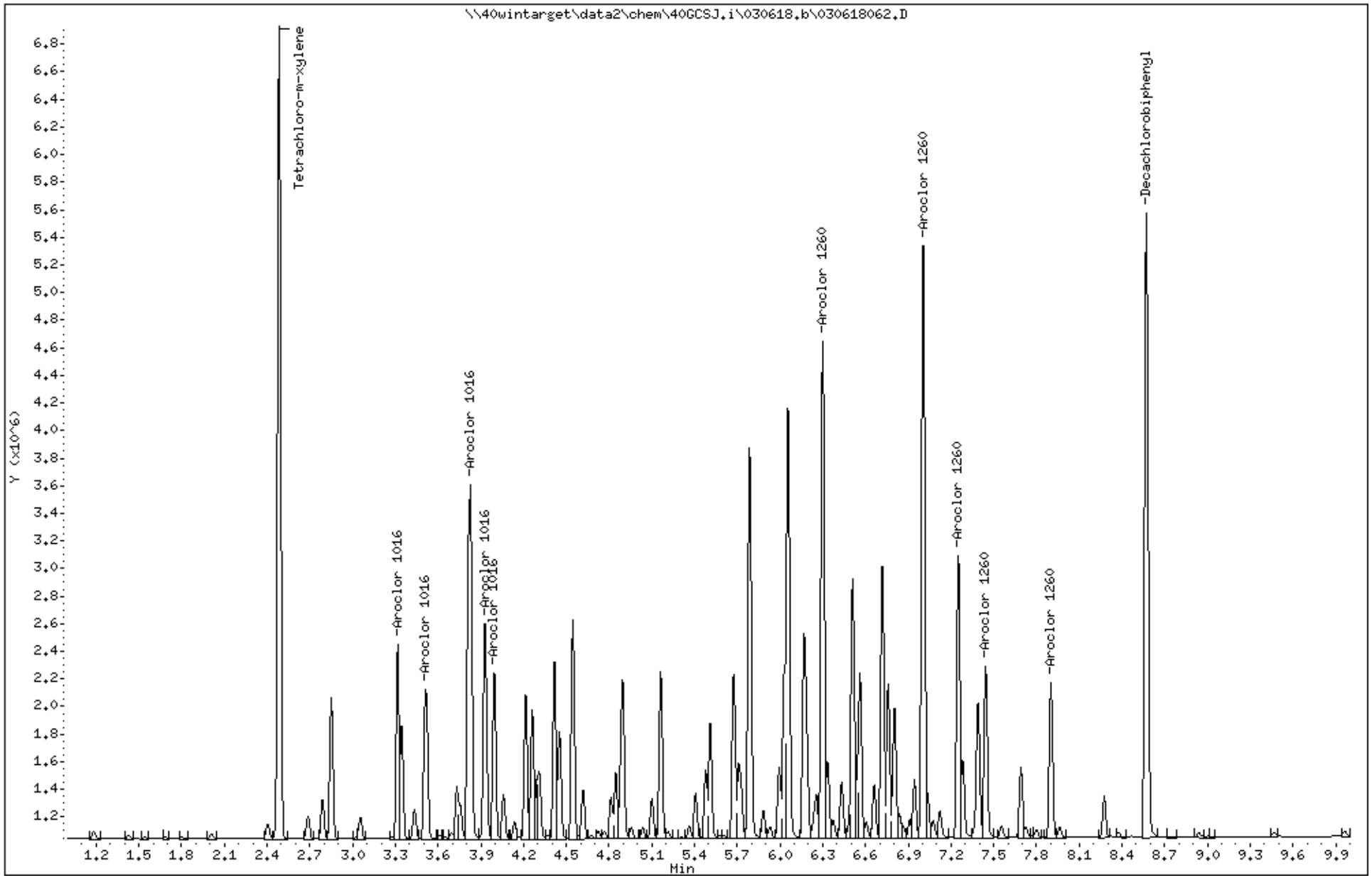
QC Flag Legend

Review Codes Legend

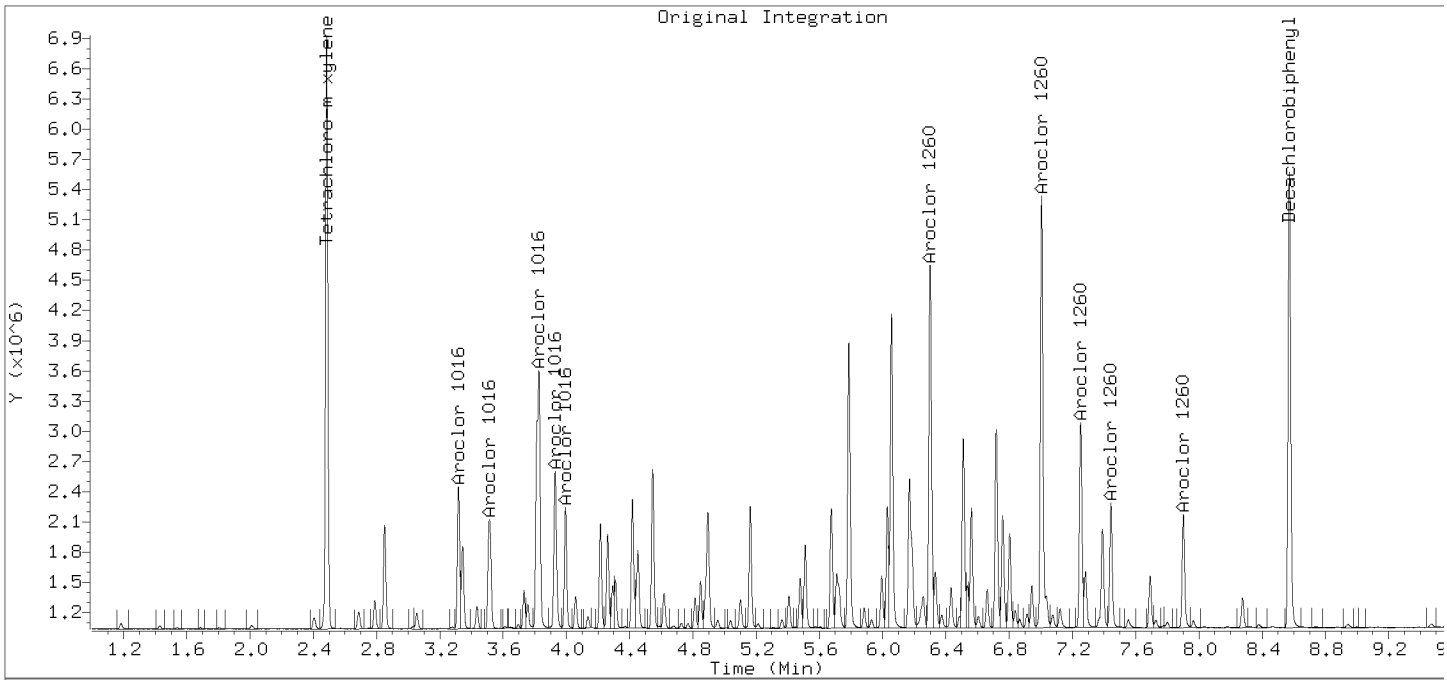
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

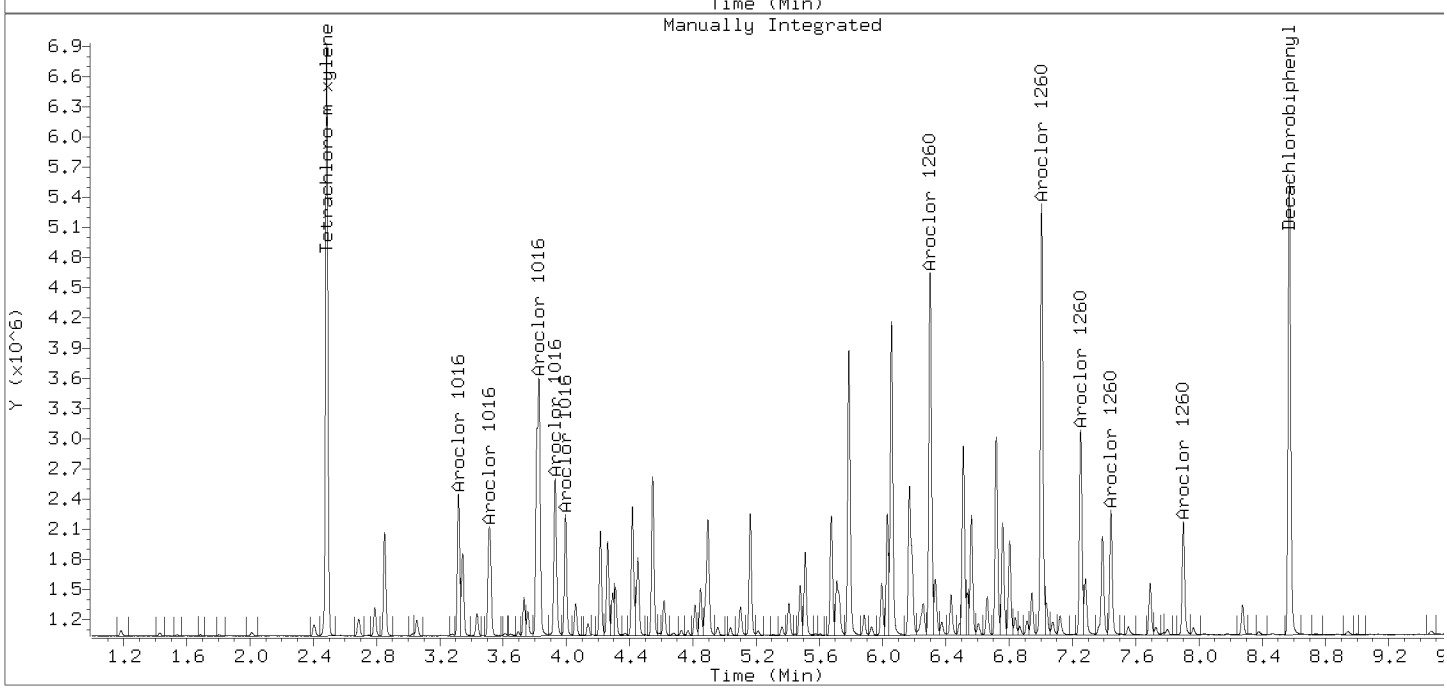
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618062.D
Date : 06-MAR-2018 19:07
Client ID: 1660-CAL3A
Sample Info: 1660-CAL3A, 185559:1

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

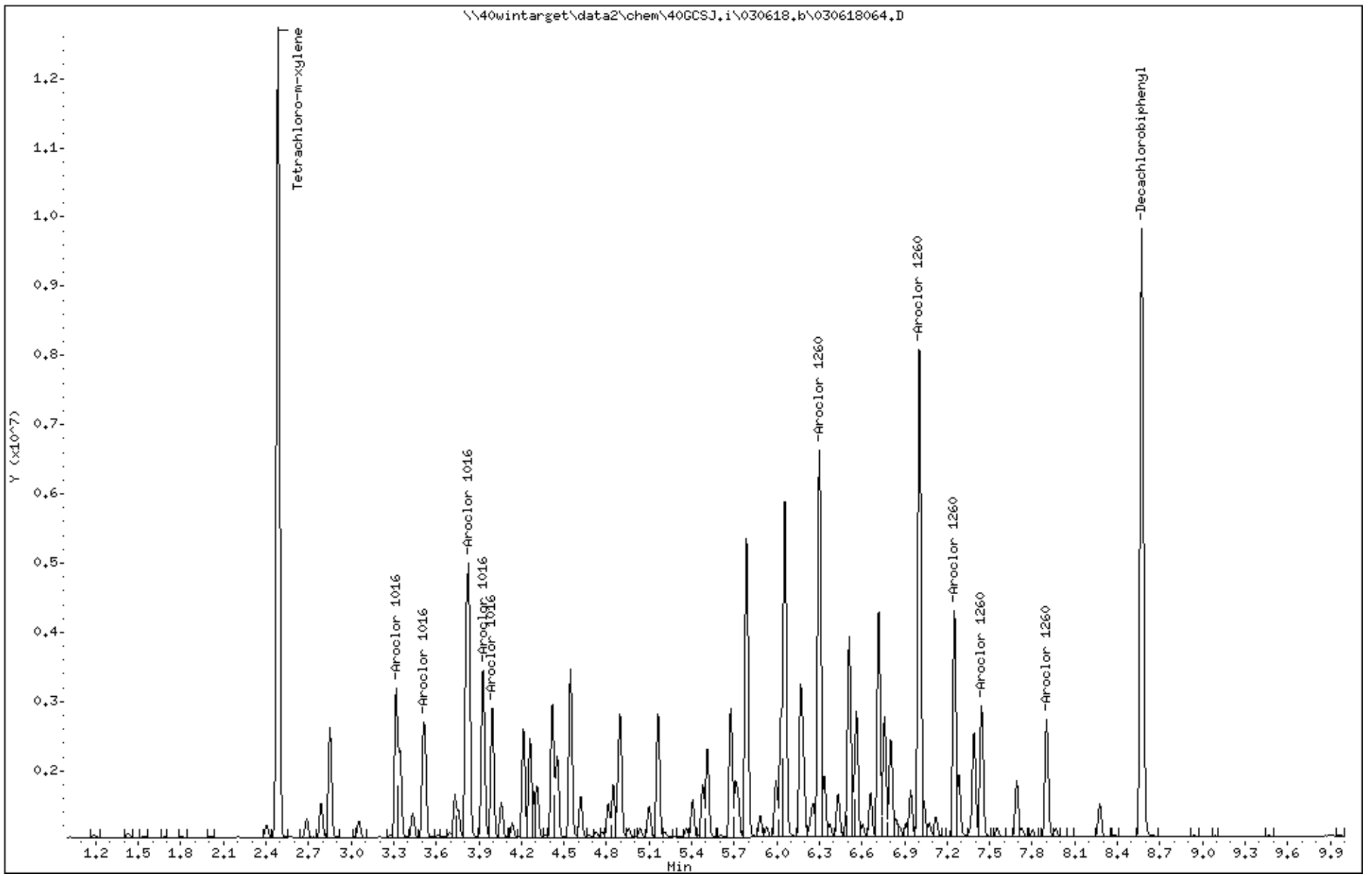
Instrument: 40GCSJ.i

Sample Info: 1660-CAL4A, 185560:1

Operator: BLM

Column phase: ZB-1ms

Column diameter: 0.18



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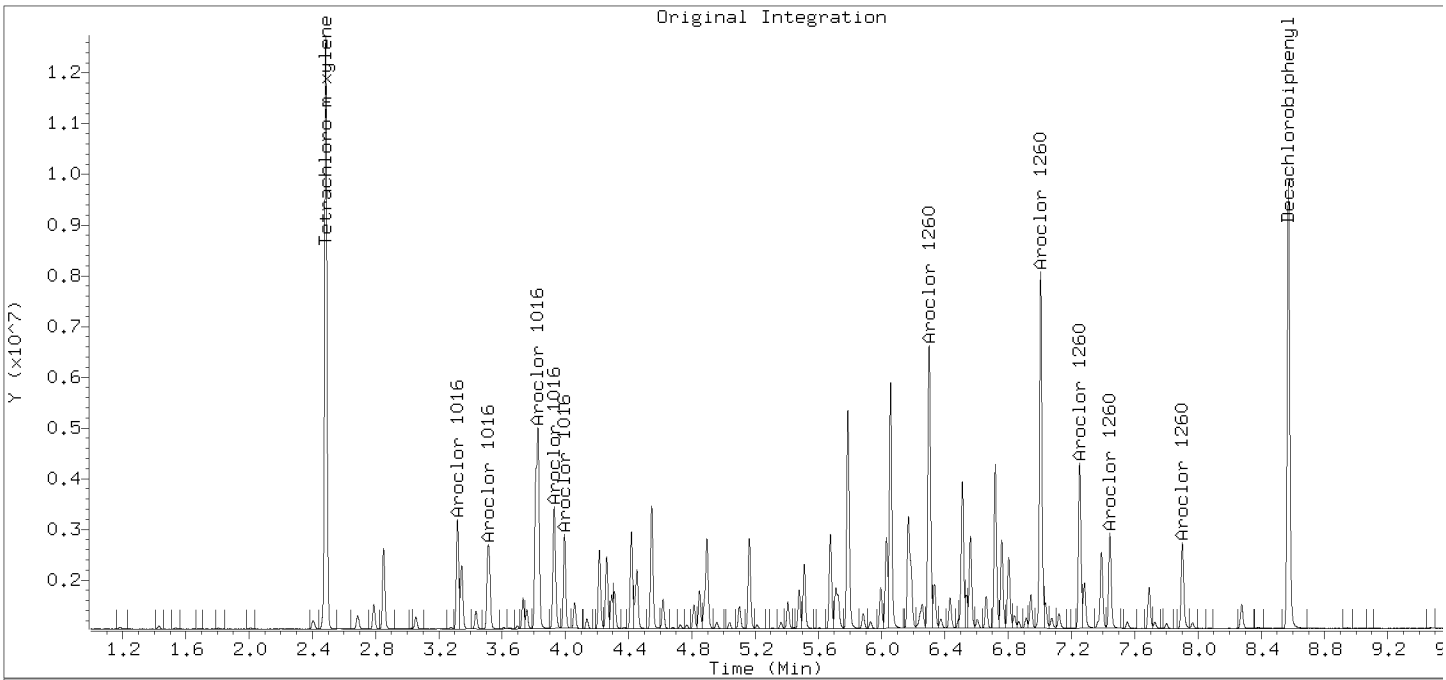
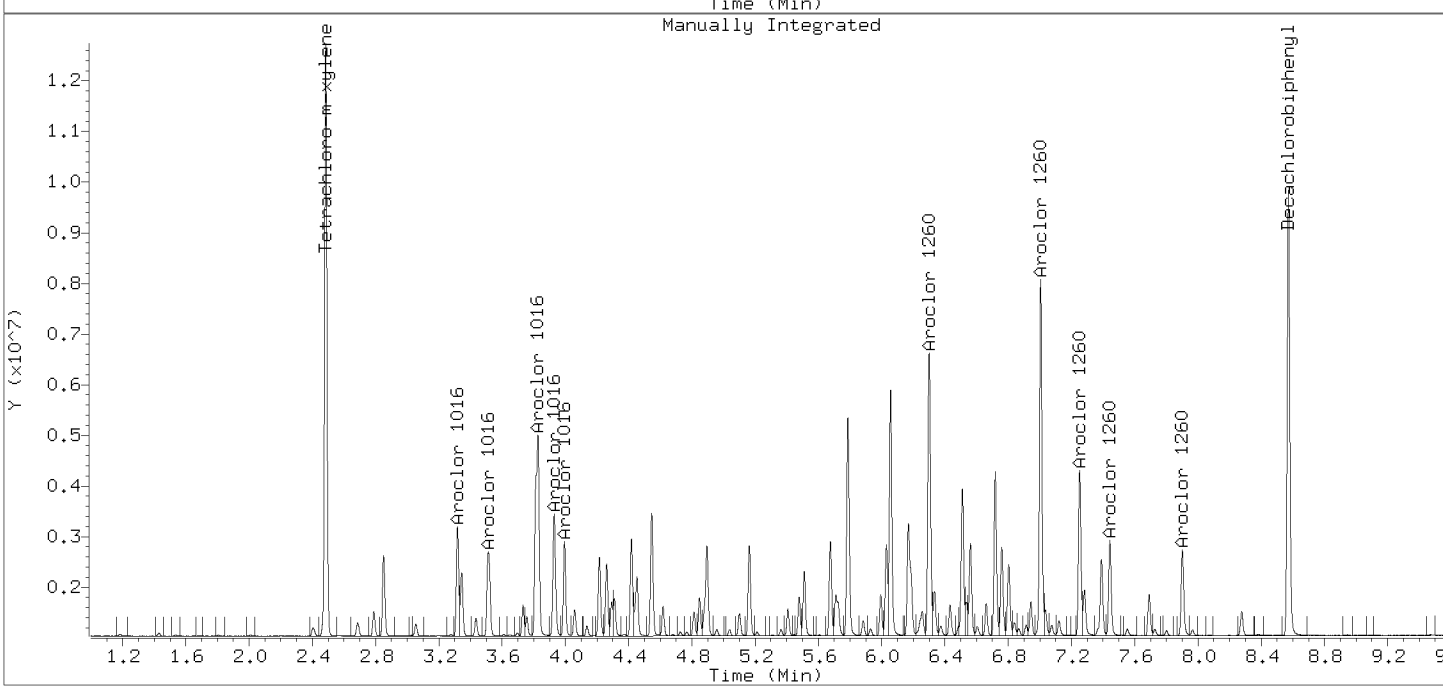
Injection Date: 06-MAR-2018 19:23 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1660-CAL4A





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

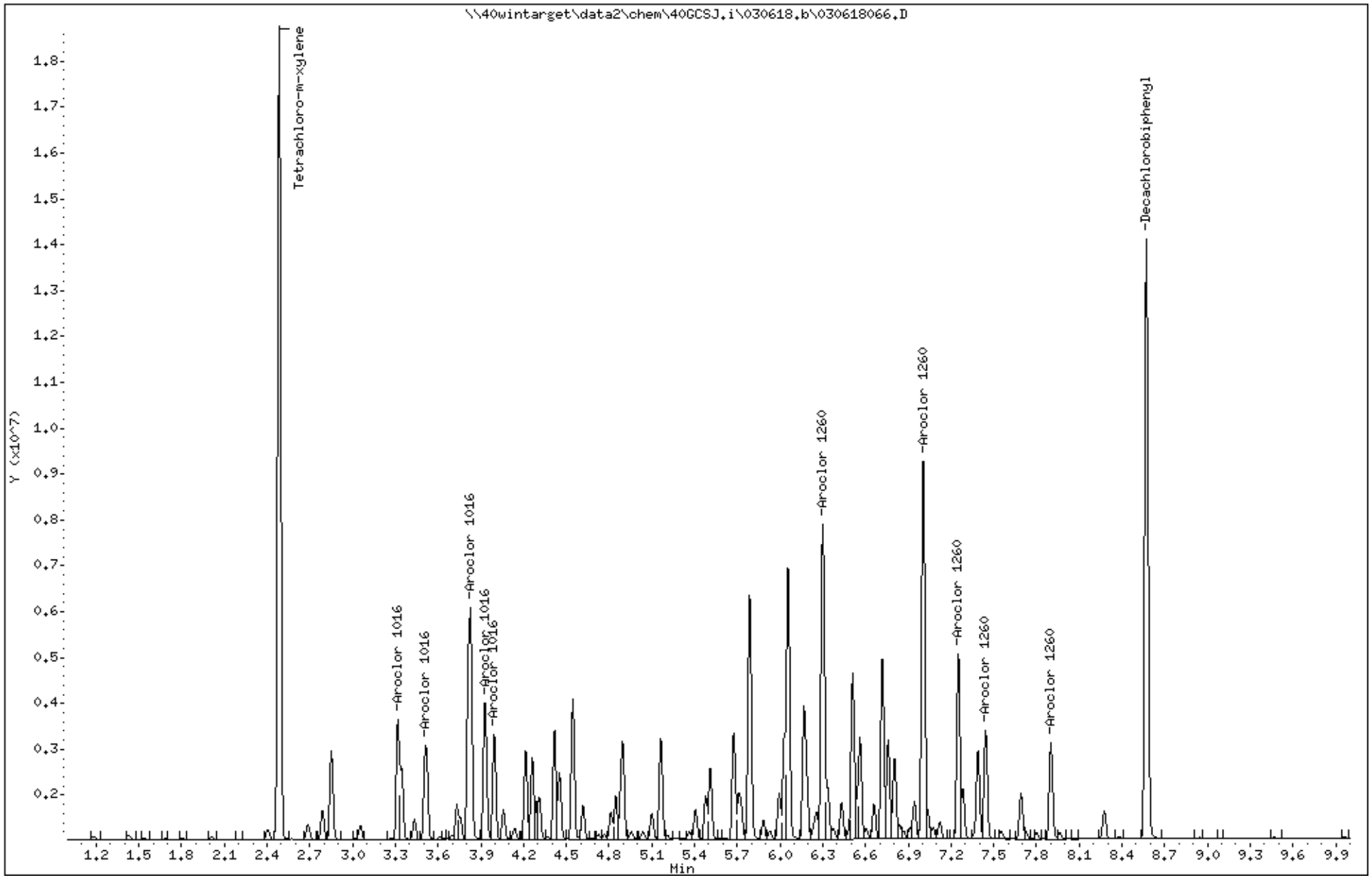
M - Compound response manually integrated.

Review Codes Legend

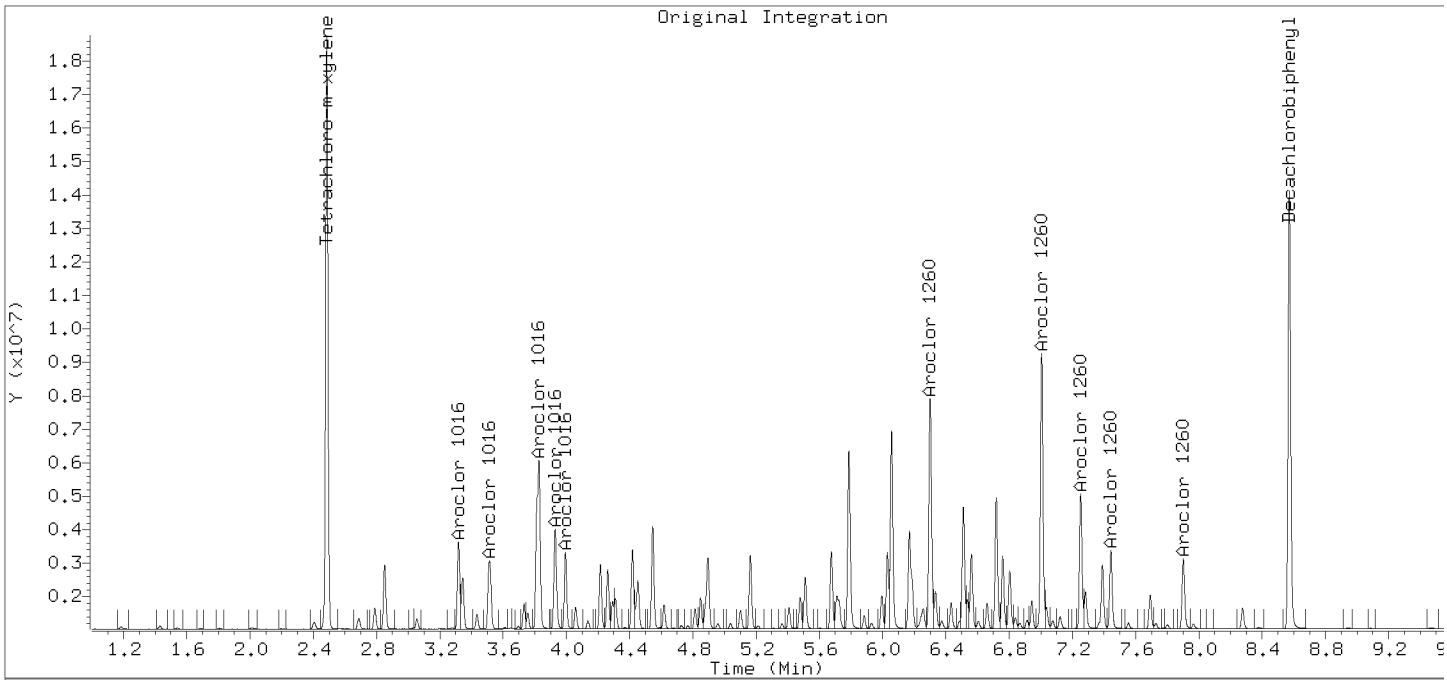
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

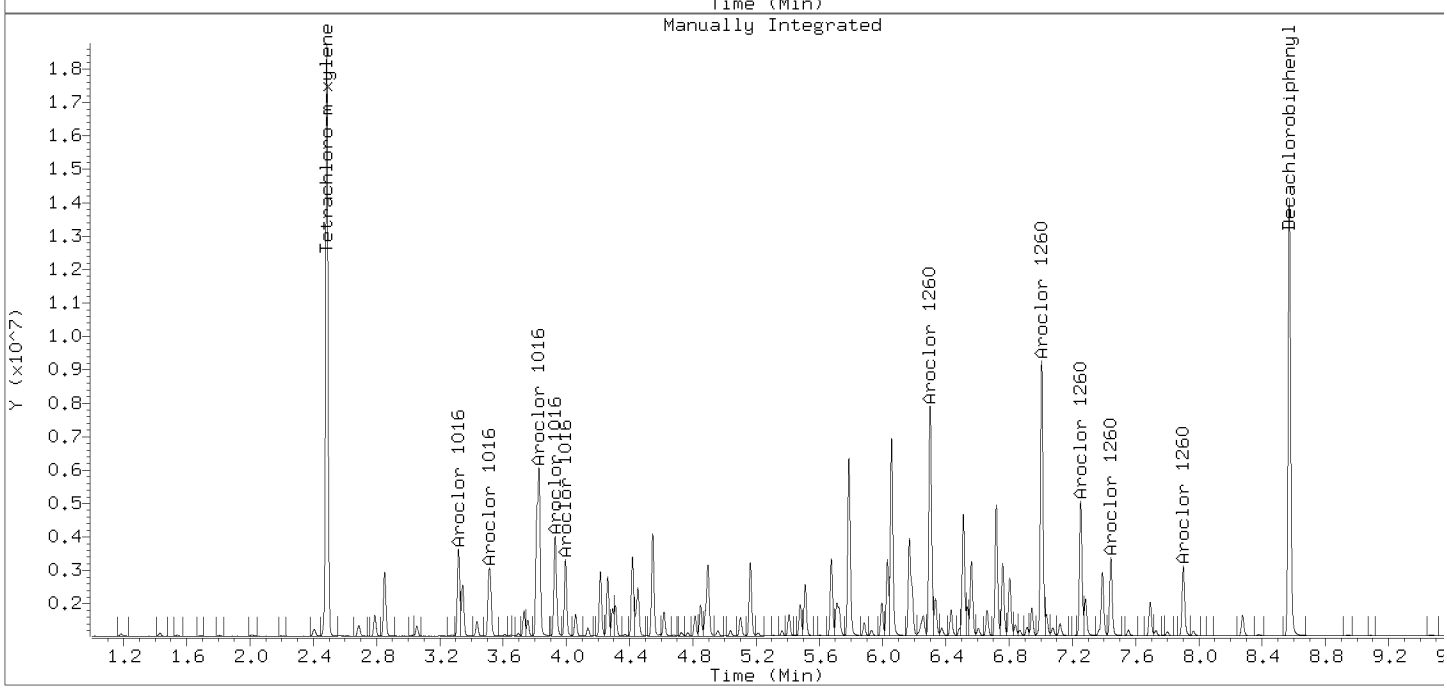
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618066.D
Date : 06-MAR-2018 19:39
Client ID: 1660-CAL5A
Sample Info: 1660-CAL5A, 185561:1

Instrument: 40GCSJ.i
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	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618005.D
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 06-MAR-2018 11:34
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1232-cal3s, 185539:1
Misc Info : 17499,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:23 Cal File: 030618011.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
1.205	25135	23358	0.929	0.08		
1.465	39429	37632	0.954	0.13		
1.577	18926	17811	0.941	0.06		
1.733	18763	20508	1.093	0.06		
1.855	287758	289496	1.006	0.99		
2.063	14062	13150	0.935	0.04		
2.260	86268	79093	0.917	0.29		
2.473	192496	151388	0.786	0.66		
2.551	5891224	6008294	1.020	20.28		
2.760	453960	367159	0.809	1.56		
2.863	419619	400260	0.954	1.44		
2.925	1365053	1221445	0.895	4.70	4 Aroclor 1232	BA
3.005	15293	10316	0.675	0.05		
3.133	88236	78655	0.891	0.30		
3.359	71586	54145	0.756	0.24		
3.398	777027	705707	0.908	2.67		
3.424	449775	414449	0.921	1.54		
3.516	120406	110342	0.916	0.41		
3.596	719289	534100	0.743	2.47	4 Aroclor 1232	BA
3.693	37402	36828	0.985	0.12		
3.778	24888	23455	0.942	0.08		
3.815	186350	184238	0.989	0.64		
3.840	163409	124150	0.760	0.56		
3.911	2129413	1201688	0.564	7.33	4 Aroclor 1232	BA
4.014	903051	729428	0.808	3.10	4 Aroclor 1232	BA
4.080	604546	544449	0.901	2.08	4 Aroclor 1232	BA
4.144	179701	143027	0.796	0.61		
4.222	65500	54086	0.826	0.22		
4.300	425222	411352	0.967	1.46		
4.347	418141	393265	0.941	1.44		
4.379	183245	186089	1.016	0.63		
4.395	230559	205605	0.892	0.79		
4.455	18528	13922	0.751	0.06		
4.504	577313	550931	0.954	1.98		
4.539	491324	356966	0.727	1.69		
4.633	769604	687958	0.894	2.65		
4.707	186179	161554	0.868	0.64		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.813	37470	31975	0.853	0.12	
4.854	40847	38731	0.948	0.14	
4.901	341746	320292	0.937	1.17	
4.936	609561	574582	0.943	2.09	
4.967	800322	579121	0.724	2.75	
5.048	87832	64004	0.729	0.30	
5.126	658469	592240	0.899	2.26	
5.188	132056	96837	0.733	0.45	
5.249	143594	123583	0.861	0.49	
5.300	101924	89997	0.883	0.35	
5.397	26244	21718	0.828	0.09	
5.453	92862	73753	0.794	0.31	
5.497	146638	127001	0.866	0.50	
5.536	94160	80930	0.859	0.32	
5.598	246293	184088	0.747	0.84	
5.693	73147	63685	0.871	0.25	
5.764	18547	16769	0.904	0.06	
5.880	168197	124551	0.741	0.57	
5.975	17124	14763	0.862	0.05	
6.116	126051	109792	0.871	0.43	
6.142	36381	31395	0.863	0.12	
6.389	44870	38609	0.860	0.15	
6.513	12130	9592	0.791	0.04	
6.600	13396	12674	0.946	0.04	
6.810	13388	13387	1.000	0.04	
7.093	26644	23594	0.886	0.09	
7.200	12488	7718	0.618	0.04	
7.339	14705	13584	0.924	0.05	
7.531	12389	9324	0.753	0.04	
8.364	57795	43899	0.760	0.19	
8.661	6146657	5147664	0.837	21.51	
8.999	20115	14695	0.731	0.06	
9.527	14505	11975	0.826	0.04	
	29037225	25252821		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618005.D
Lab Smp Id: 1232-CAL3S Client Smp ID: 1232-CAL3S
Inj Date : 06-MAR-2018 11:34
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1232-cal3s, 185539:1
Misc Info : 17499,NSAR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:23 Cal File: 030618011.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			
2.924	2.924	0.000	1365052	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.595	3.596	-0.001	719288	0.50000	0.50	0.00- 20.00	52.69	BA
3.910	3.910	0.000	2129413	0.50000	0.50	0.00- 20.00	156.00	BA
4.013	4.013	0.000	903051	0.50000	0.50	0.00- 20.00	66.16	BA
4.080	4.080	0.000	604545	0.50000	0.50	0.00- 20.00	44.29	BA
Average of Peak Amounts =					0.50000			

QC Flag Legend

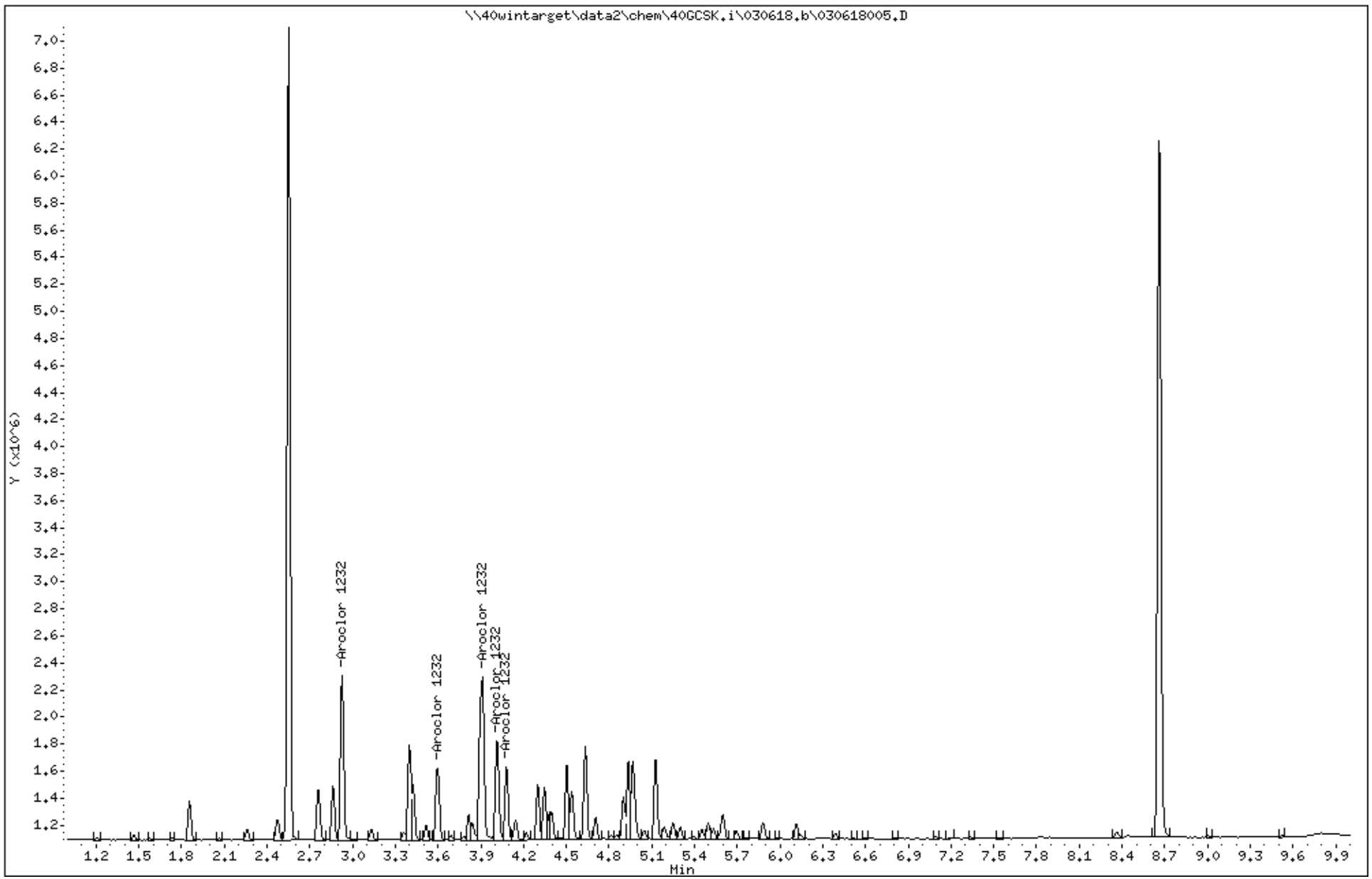
M - Compound response manually integrated.

Review Codes Legend

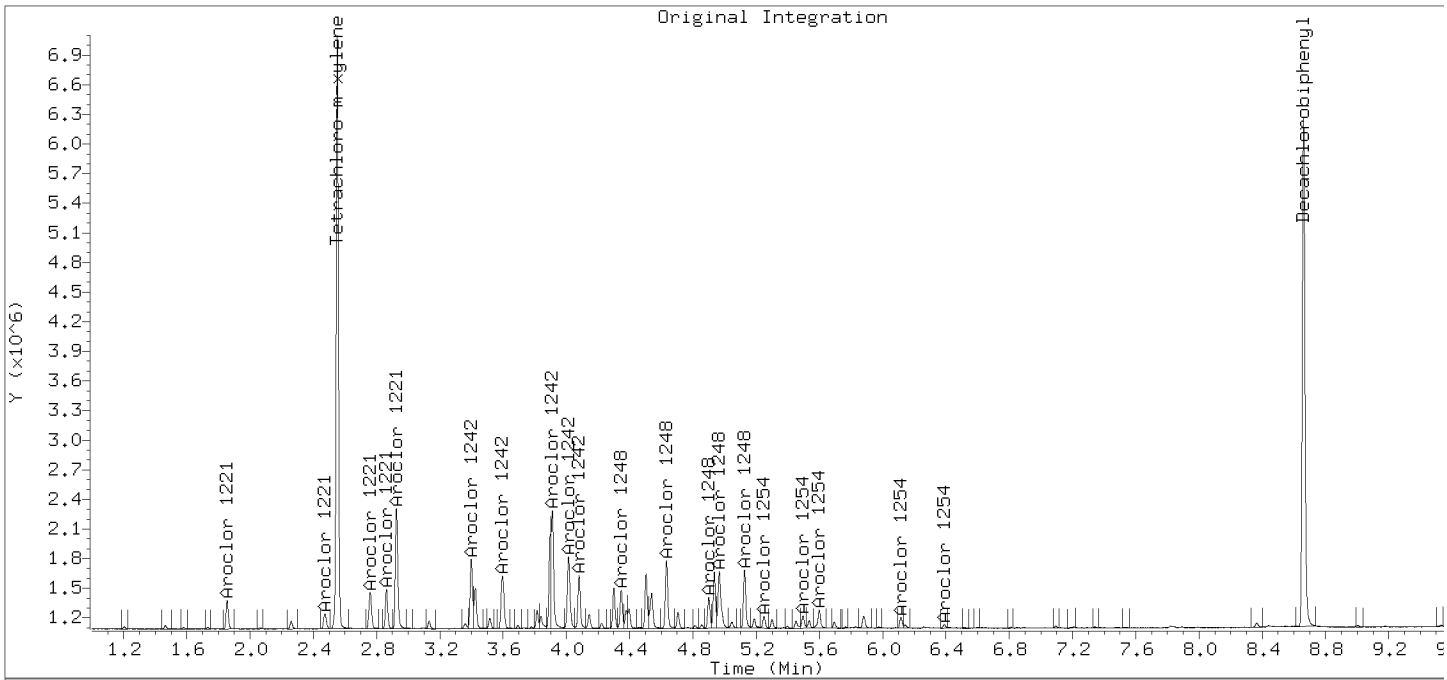
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

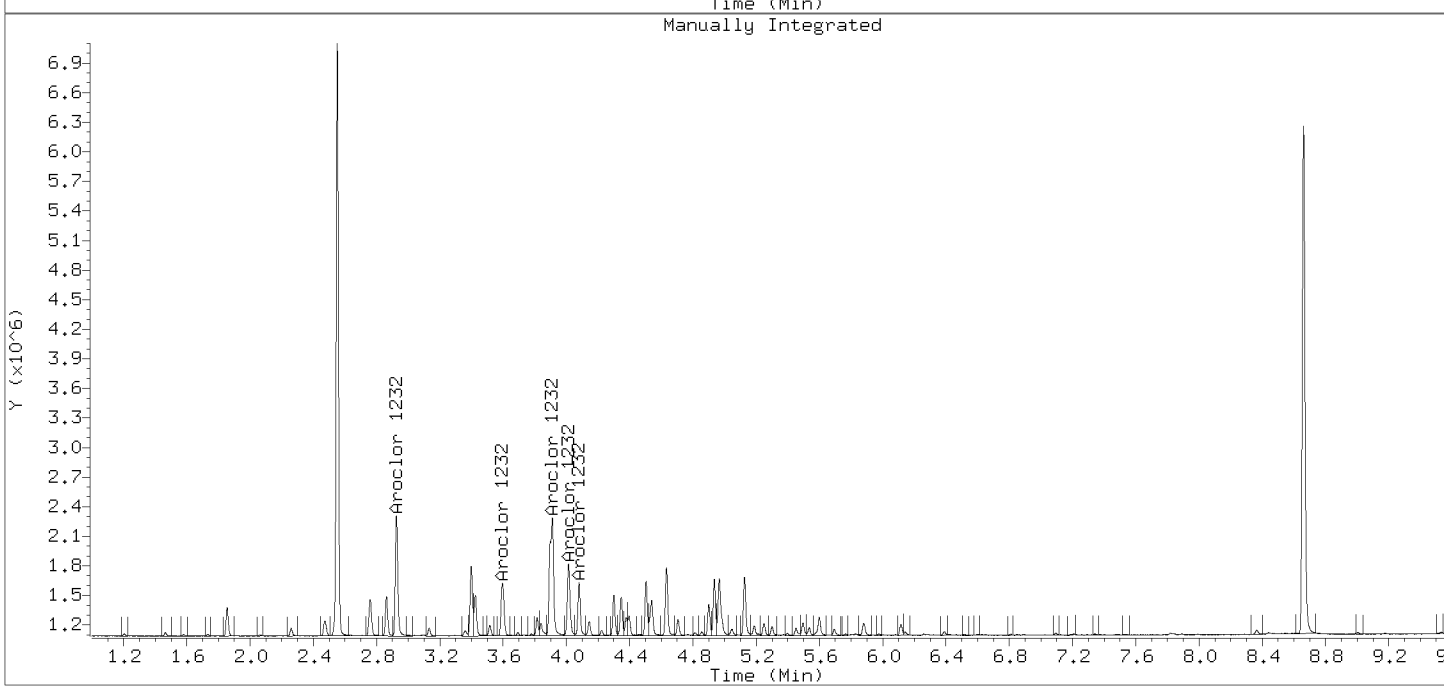
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618005.D
Date : 06-MAR-2018 11:34
Client ID: 1232-CAL3S
Sample Info: 1232-CAL3S, 185539:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618005.D (ManInt: NSAR1232.sub Orig: all.sub)
Injection Date: 06-MAR-2018 11:34 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1232-CAL3S





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1357958	1365052	BA
Aroclor 1232	1357958	1365052	BA
Aroclor 1232	1357958	1365052	BA
Aroclor 1232	1357958	1365052	BA
Aroclor 1232	1357958	1365052	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618007.D
Lab Smp Id: 1221-CAL1F Client Smp ID: 1221-CAL1F
Inj Date : 06-MAR-2018 11:50
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal1f, 188138:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:28 Cal File: 030618019.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
1.463	9680	12281	1.269	0.26		
1.854	111042	106241	0.957	2.98	1 Aroclor 1221	BA
2.263	36897	29963	0.812	0.99		
2.472	62825	44968	0.716	1.69	1 Aroclor 1221	BA
2.552	1184221	1171784	0.989	31.86		
2.760	156925	119080	0.759	4.22	1 Aroclor 1221	BA
2.862	121505	110216	0.907	3.26	1 Aroclor 1221	BA
2.925	371538	312296	0.841	9.99	1 Aroclor 1221	BA
3.358	19420	15478	0.797	0.52		
3.399	19074	18332	0.961	0.51		
3.594	34250	24581	0.718	0.92		
3.688	13191	8671	0.657	0.35		
3.836	12127	9994	0.824	0.32		
3.899	23077	31729	1.375	0.62		
3.912	52618	40381	0.767	1.41		
4.015	36882	29595	0.802	0.99		
4.081	20166	18126	0.899	0.54		
4.633	16730	12578	0.752	0.45		
8.365	17830	11697	0.656	0.47		
8.661	1380595	1129606	0.818	37.24		
9.528	15546	10550	0.679	0.41		
	3716139	3268147		100.000		

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618007.D
Lab Smp Id: 1221-CAL1F Client Smp ID: 1221-CAL1F
Inj Date : 06-MAR-2018 11:50
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal1f, 188138:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:28 Cal File: 030618019.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			
1.854	1.853	0.001	111042	0.10000	0.11	0.00- 20.00	100.00(M)	BA
2.471	2.472	-0.001	62825	0.10000	0.12	0.00- 20.00	56.58	BA
2.759	2.760	-0.001	156924	0.10000	0.11	0.00- 20.00	141.32	BA
2.862	2.862	0.000	121504	0.10000	0.11	0.00- 20.00	109.42	BA
2.925	2.926	-0.001	371537	0.10000	0.11	0.00- 20.00	334.59	BA
Average of Peak Amounts =					0.11200			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

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

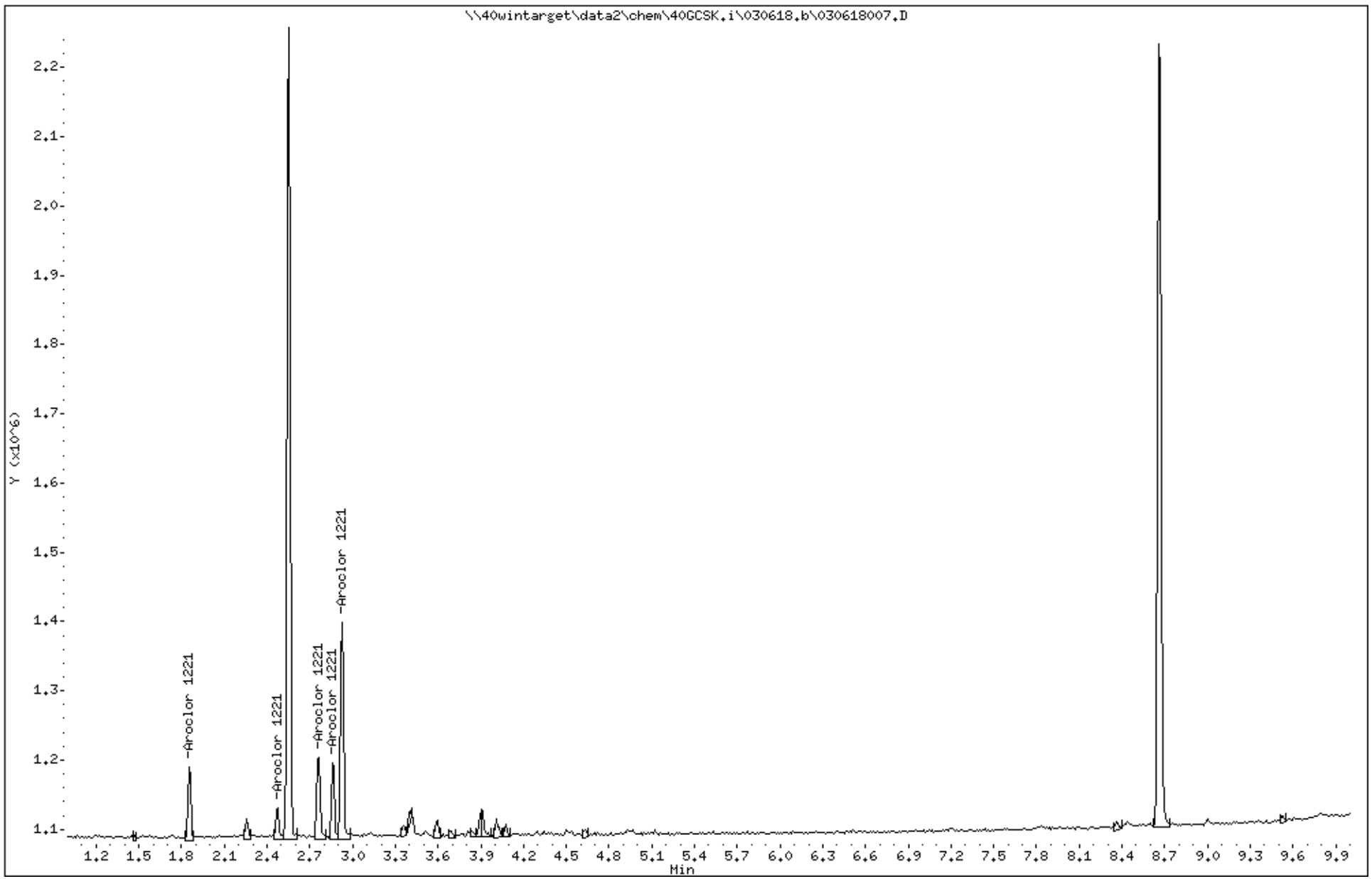
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618007.D
Date : 06-MAR-2018 11:50
Client ID: 1221-CAL1F
Sample Info: 1221-CAL1F, 188138:1

Instrument: 40GCSK.i

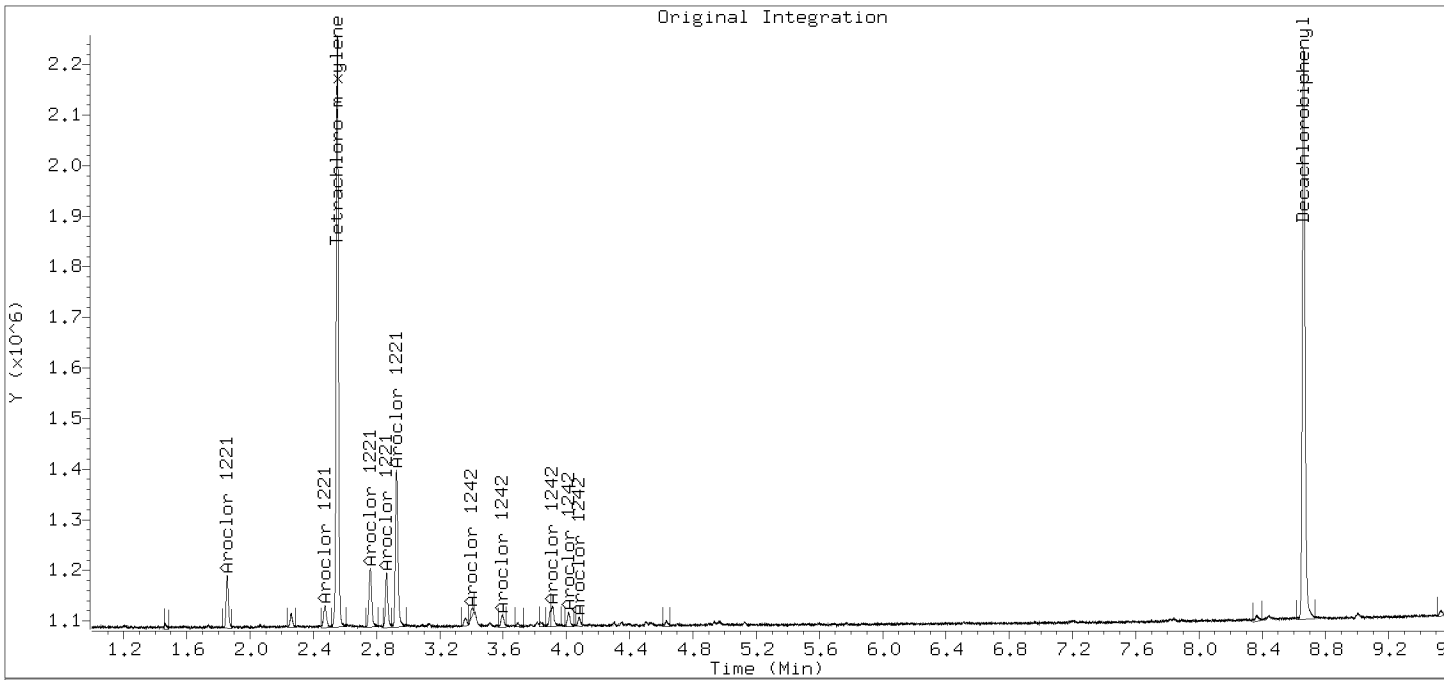
Operator: BLM

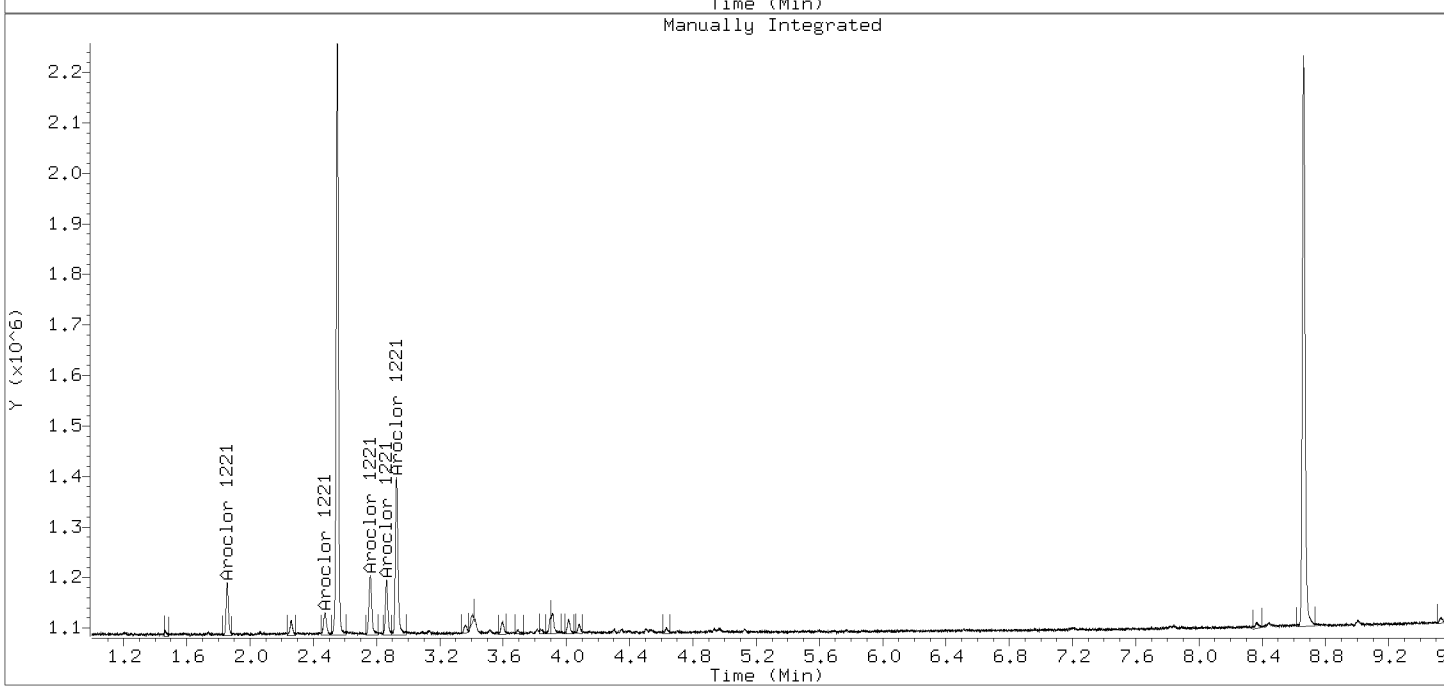
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618007.D (ManInt: NSAR1221.sub Orig: all.sub)
Injection Date: 06-MAR-2018 11:50 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CAL1F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	107776	111042	BA
Aroclor 1221	107776	111042	BA
Aroclor 1221	107776	111042	BA
Aroclor 1221	107776	111042	BA
Aroclor 1221	107776	111042	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618009.D
Lab Smp Id: 1221-CAL2F Client Smp ID: 1221-CAL2F
Inj Date : 06-MAR-2018 12:07
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal2f, 188139:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:44 Cal File: 030618021.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
1.202	14390	14806	1.029	0.18		
1.467	15842	15405	0.972	0.20		
1.731	12430	12818	1.031	0.16		
1.855	220685	207186	0.939	2.91	1 Aroclor 1221	BA
2.059	17103	13948	0.816	0.22		
2.261	72738	59266	0.815	0.95		
2.474	119488	85439	0.715	1.57	1 Aroclor 1221	BA
2.551	2385781	2372951	0.995	31.48		
2.760	302441	236111	0.781	3.99	1 Aroclor 1221	BA
2.863	232098	215263	0.927	3.06	1 Aroclor 1221	BA
2.926	732283	652115	0.891	9.66	1 Aroclor 1221	BA
3.132	13043	15055	1.154	0.17		
3.361	51039	36834	0.722	0.67		
3.406	176150	82575	0.469	2.32		
3.517	16789	14013	0.835	0.22		
3.596	57411	44721	0.779	0.75		
3.695	17983	17247	0.959	0.23		
3.815	11764	13640	1.159	0.15		
3.912	137834	82630	0.599	1.81		
4.014	65417	55890	0.854	0.86		
4.081	40735	35700	0.876	0.53		
4.144	10564	7278	0.689	0.13		
4.297	9681	11094	1.146	0.12		
4.347	15308	15341	1.002	0.20		
4.505	15565	17533	1.126	0.20		
4.633	29541	21793	0.738	0.38		
4.936	12973	13841	1.067	0.17		
5.125	15652	14619	0.934	0.20		
6.514	10927	8890	0.814	0.14		
8.366	19576	17597	0.899	0.25		
8.662	2697755	2200345	0.816	35.78		
9.003	15638	13362	0.854	0.20		
9.526	10712	9717	0.907	0.14		
	7577336	6635023		100.000		

Total unknown % area = 79

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618009.D
Lab Smp Id: 1221-CAL2F Client Smp ID: 1221-CAL2F
Inj Date : 06-MAR-2018 12:07
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal2f, 188139:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:44 Cal File: 030618021.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			
1.854	1.853	0.001	220685	0.20000	0.22	0.00- 20.00	100.00(M)	BA
2.472	2.472	0.000	119487	0.20000	0.22	0.00- 20.00	54.14	BA
2.760	2.760	0.000	302441	0.20000	0.21	0.00- 20.00	137.05	BA
2.862	2.862	0.000	232098	0.20000	0.21	0.00- 20.00	105.17	BA
2.925	2.926	-0.001	732282	0.20000	0.22	0.00- 20.00	331.82	BA
Average of Peak Amounts =					0.21600			

QC Flag Legend

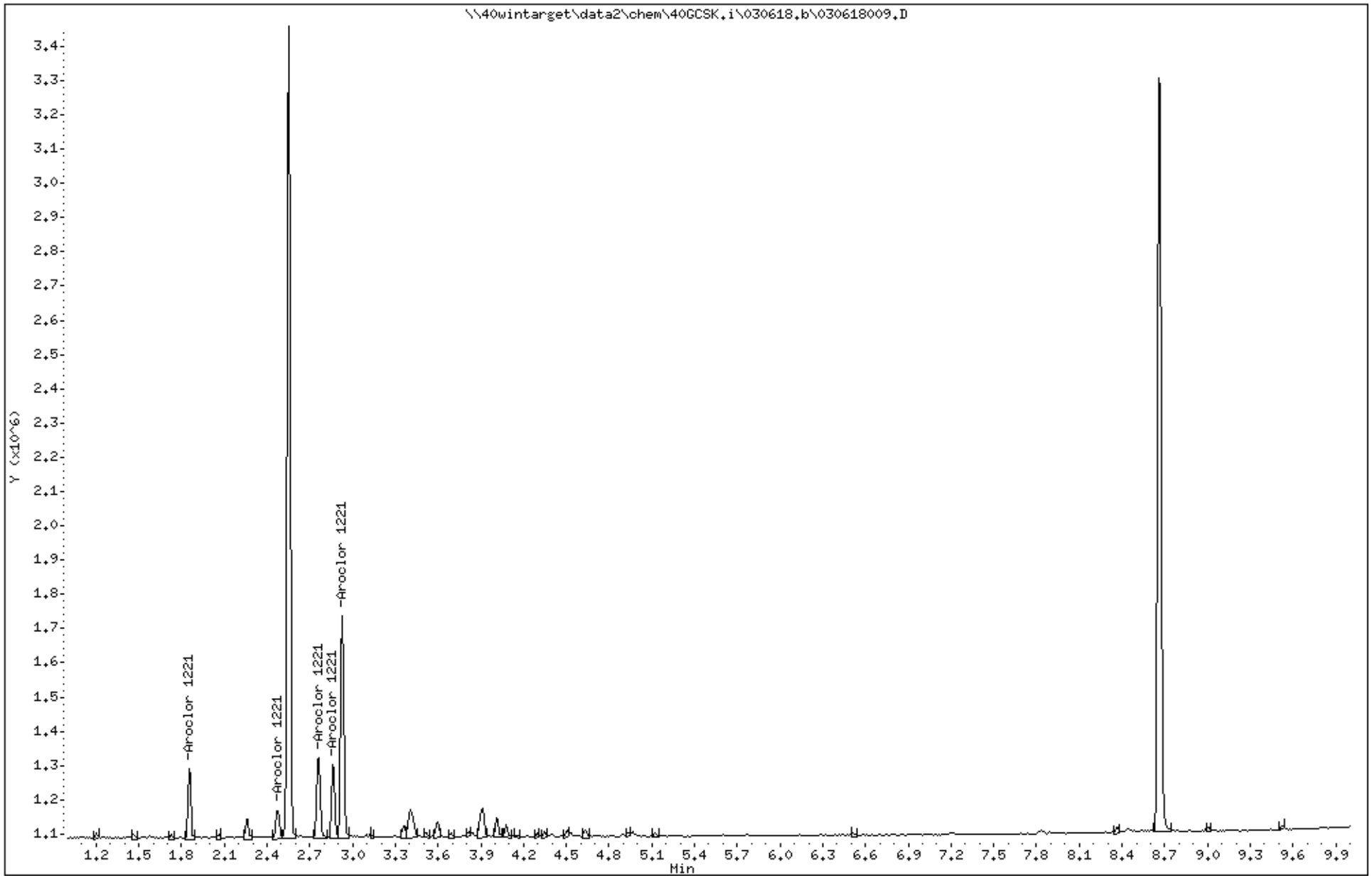
M - Compound response manually integrated.

Review Codes Legend

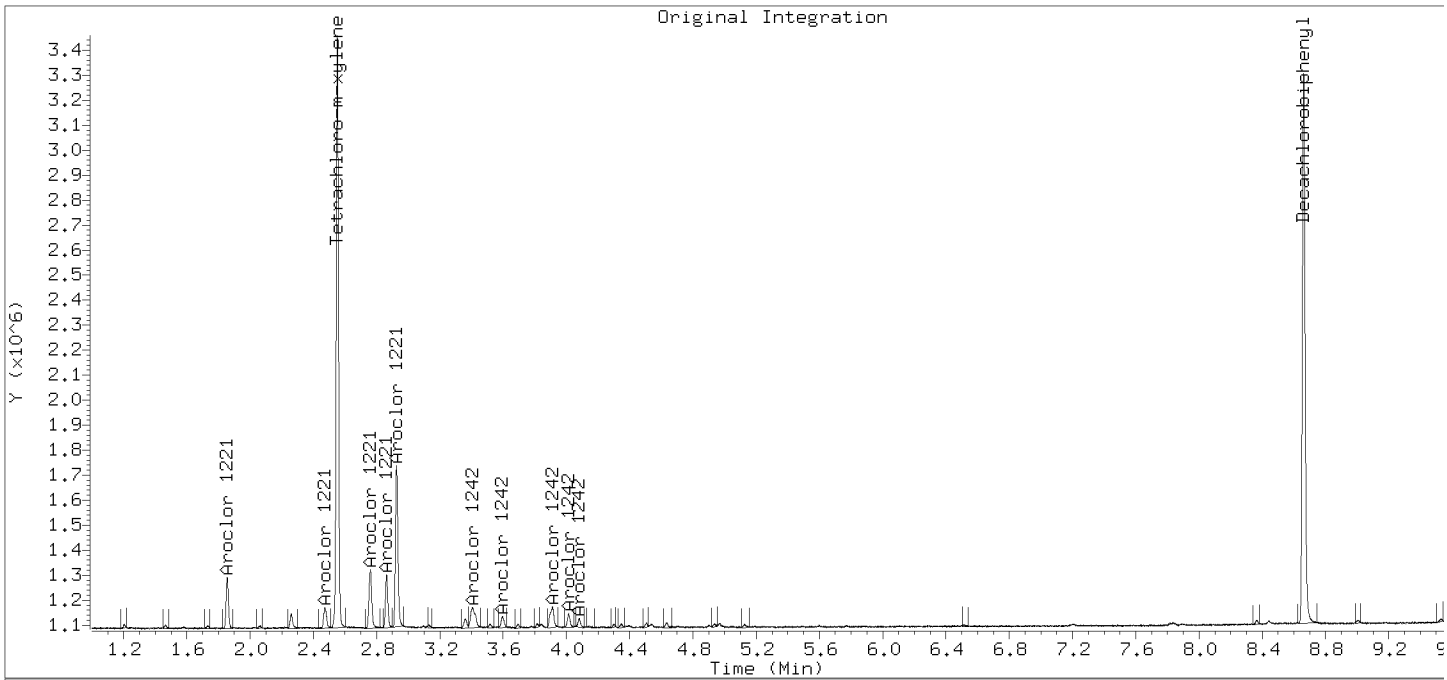
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

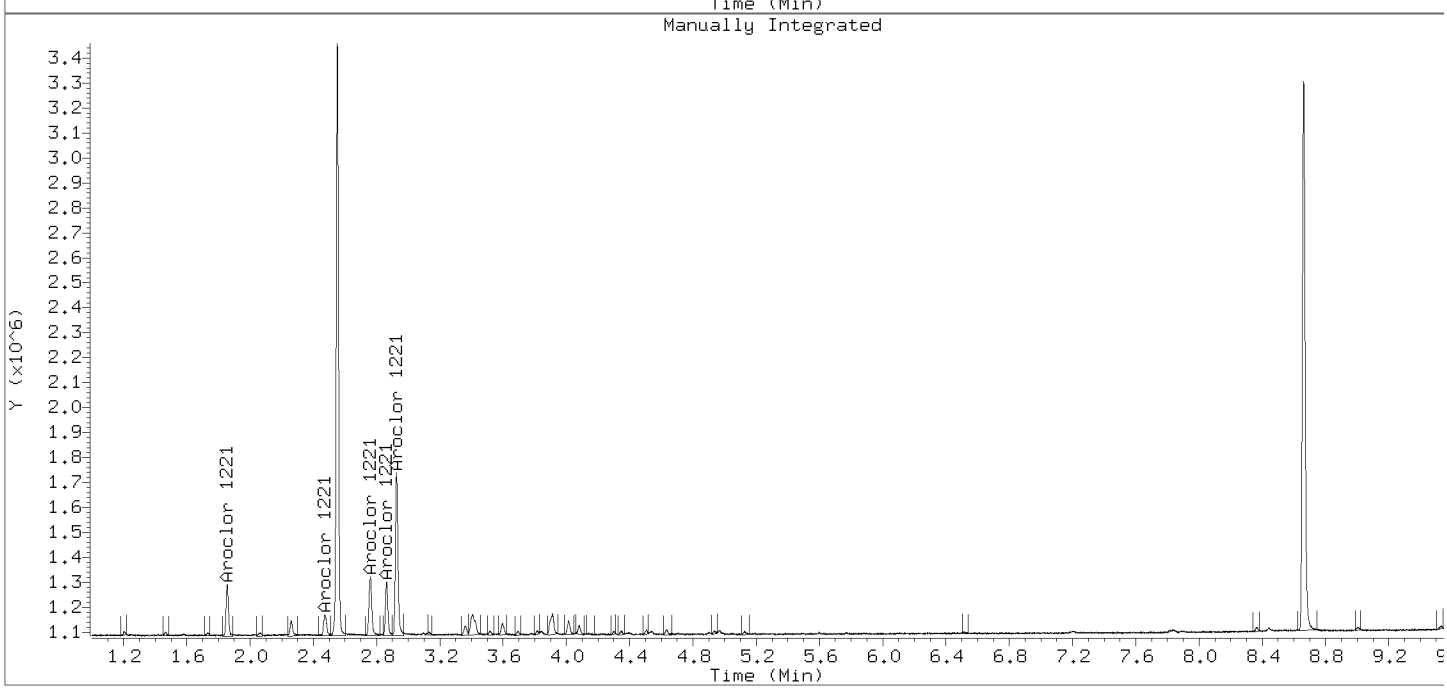
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618009.D
Date : 06-MAR-2018 12:07
Client ID: 1221-CAL2F
Sample Info: 1221-CAL2F, 188139:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618009.D (ManInt: NSAR1221.sub Orig: all.sub)
Injection Date: 06-MAR-2018 12:07 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CAL2F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	216140	220685	BA
Aroclor 1221	216140	220685	BA
Aroclor 1221	216140	220685	BA
Aroclor 1221	216140	220685	BA
Aroclor 1221	216140	220685	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618011.D
Lab Smp Id: 1221-CAL3F Client Smp ID: 1221-CAL3F
Inj Date : 06-MAR-2018 12:23
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal3f, 185538:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:23 Cal File: 030618011.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
1.205	33169	31328	0.945	0.18		
1.465	35382	36199	1.023	0.20		
1.578	17171	15985	0.931	0.09		
1.731	14500	16317	1.125	0.08		
1.855	472510	468335	0.991	2.70	1 Aroclor 1221	BA
2.062	26306	18269	0.694	0.15		
2.259	149690	136494	0.912	0.85		
2.474	248598	185625	0.747	1.42	1 Aroclor 1221	BA
2.552	5589629	5619183	1.005	32.01		
2.761	665756	547148	0.822	3.81	1 Aroclor 1221	BA
2.863	521021	495973	0.952	2.98	1 Aroclor 1221	BA
2.926	1607671	1397233	0.869	9.20	1 Aroclor 1221	BA
3.095	16309	15814	0.970	0.09		
3.129	40994	30117	0.735	0.23		
3.362	102519	81000	0.790	0.58		
3.408	377800	191271	0.506	2.16		
3.516	36902	30850	0.836	0.21		
3.596	131724	101472	0.770	0.75		
3.691	29779	31812	1.068	0.17		
3.778	11752	10206	0.868	0.06		
3.815	39850	38226	0.959	0.22		
3.841	59827	36928	0.617	0.34		
3.898	94648	143415	1.515	0.54		
3.912	246000	188269	0.765	1.40		
4.015	162000	127171	0.785	0.92		
4.080	109376	87573	0.801	0.62		
4.141	27966	18890	0.675	0.16		
4.301	34272	31312	0.914	0.19		
4.347	32351	32047	0.991	0.18		
4.380	18721	17470	0.933	0.10		
4.398	18457	17413	0.943	0.10		
4.504	39446	40425	1.025	0.22		
4.538	44750	29445	0.658	0.25		
4.635	54262	44777	0.825	0.31		
4.703	12529	12313	0.983	0.07		
4.902	19665	16898	0.859	0.11		
4.937	34226	30781	0.899	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.965	44551	32568	0.731	0.25	
5.127	31034	28404	0.915	0.17	
5.251	11377	11105	0.976	0.06	
5.600	12872	10541	0.819	0.07	
5.771	10877	10326	0.949	0.06	
6.512	18393	12834	0.698	0.10	
7.198	10624	8482	0.798	0.06	
7.818	18193	19550	1.075	0.10	
7.839	25096	18158	0.724	0.14	
7.893	16893	10913	0.646	0.09	
8.367	46565	39277	0.843	0.26	
8.440	15206	13725	0.903	0.08	
8.661	5958561	4997665	0.839	34.39	
9.004	30973	18672	0.603	0.17	
9.529	28851	17023	0.590	0.16	
	17457593	15623227		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618011.D
Lab Smp Id: 1221-CAL3F Client Smp ID: 1221-CAL3F
Inj Date : 06-MAR-2018 12:23
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal3f, 185538:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:23 Cal File: 030618011.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			
1.854	1.853	0.001	472510	0.50000	0.48	0.00- 20.00	100.00(M)	BA
2.474	2.472	0.002	248598	0.50000	0.46	0.00- 20.00	52.61	BA
2.760	2.760	0.000	665756	0.50000	0.47	0.00- 20.00	140.90	BA
2.862	2.862	0.000	521020	0.50000	0.47	0.00- 20.00	110.27	BA
2.925	2.926	-0.001	1607671	0.50000	0.48	0.00- 20.00	340.24	BA
Average of Peak Amounts =					0.47200			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

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

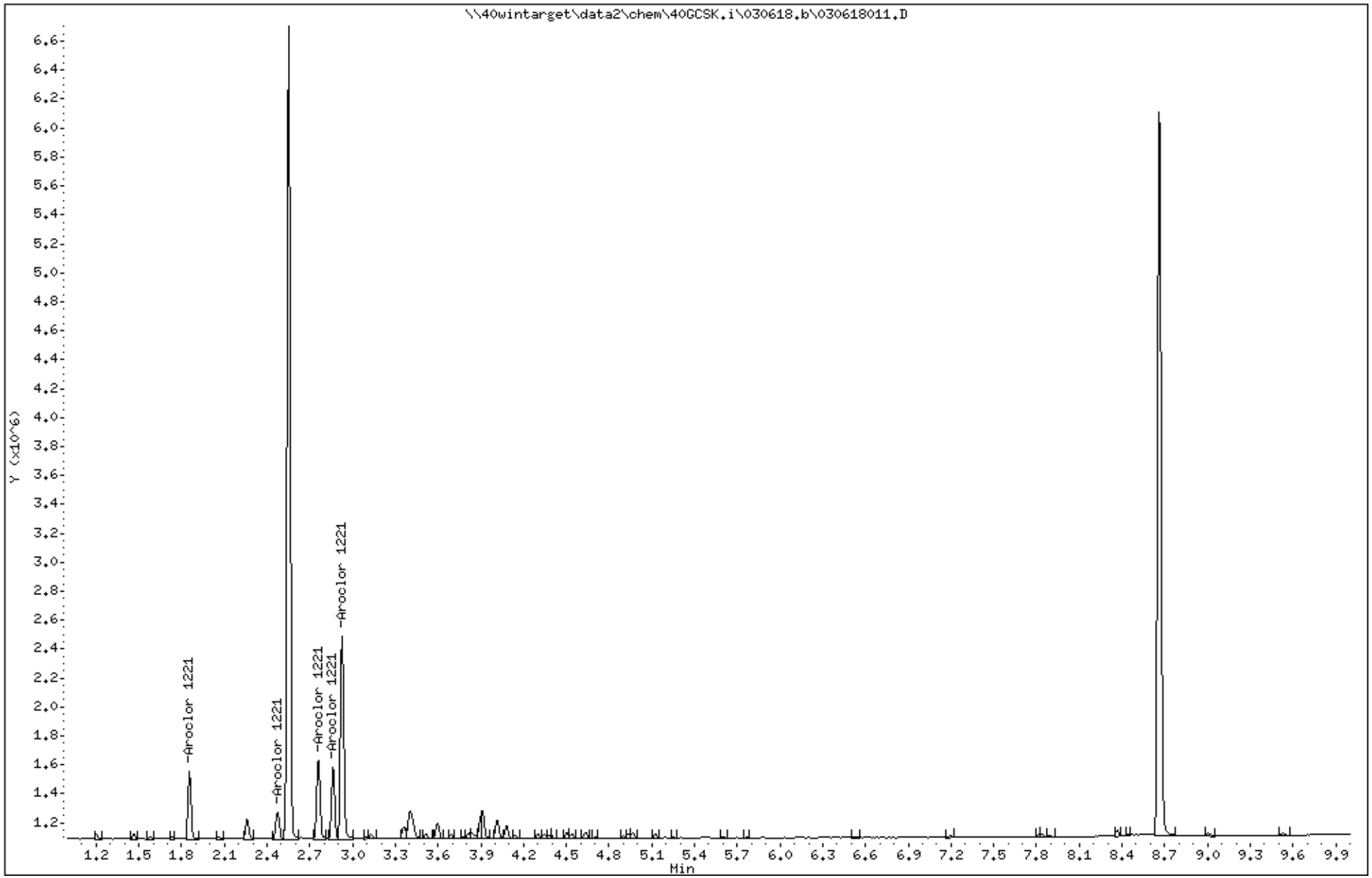
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618011.D
Date : 06-MAR-2018 12:23
Client ID: 1221-CAL3F
Sample Info: 1221-CAL3F, 185538:1

Instrument: 40GCSK.i

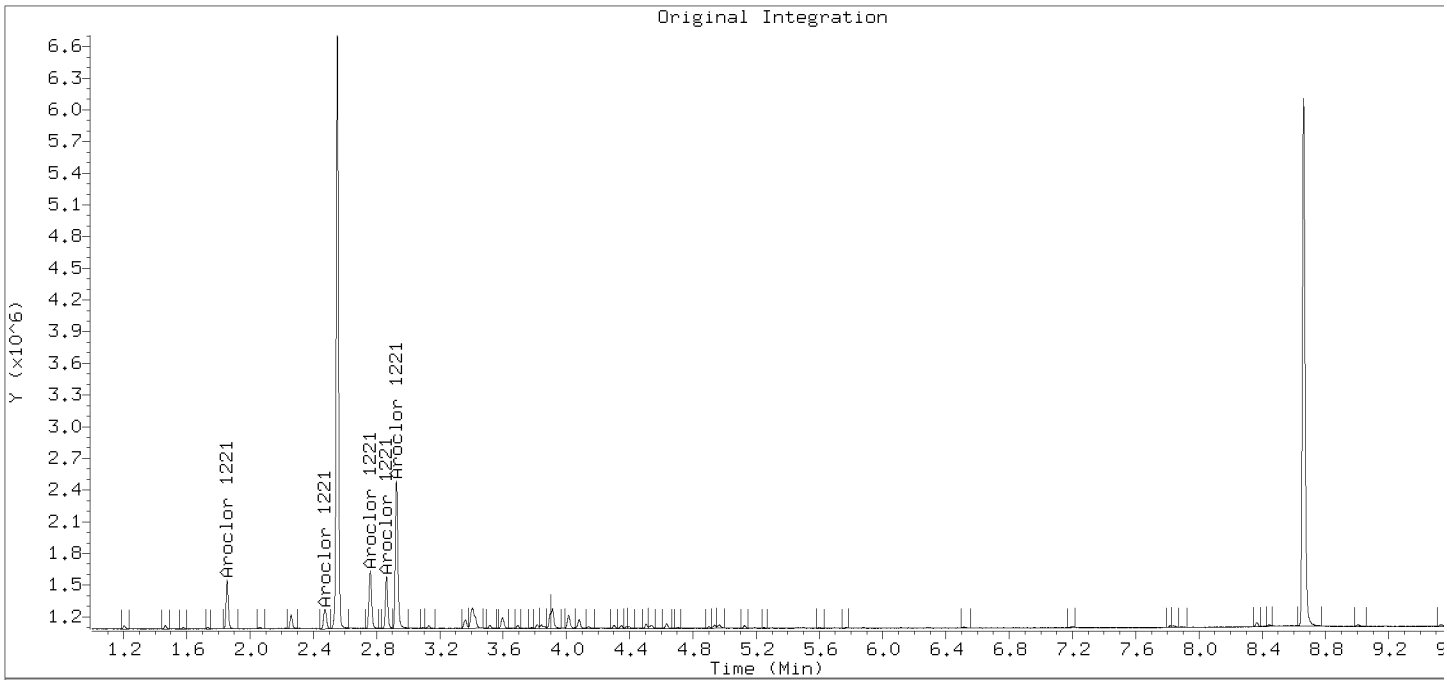
Operator: BLM

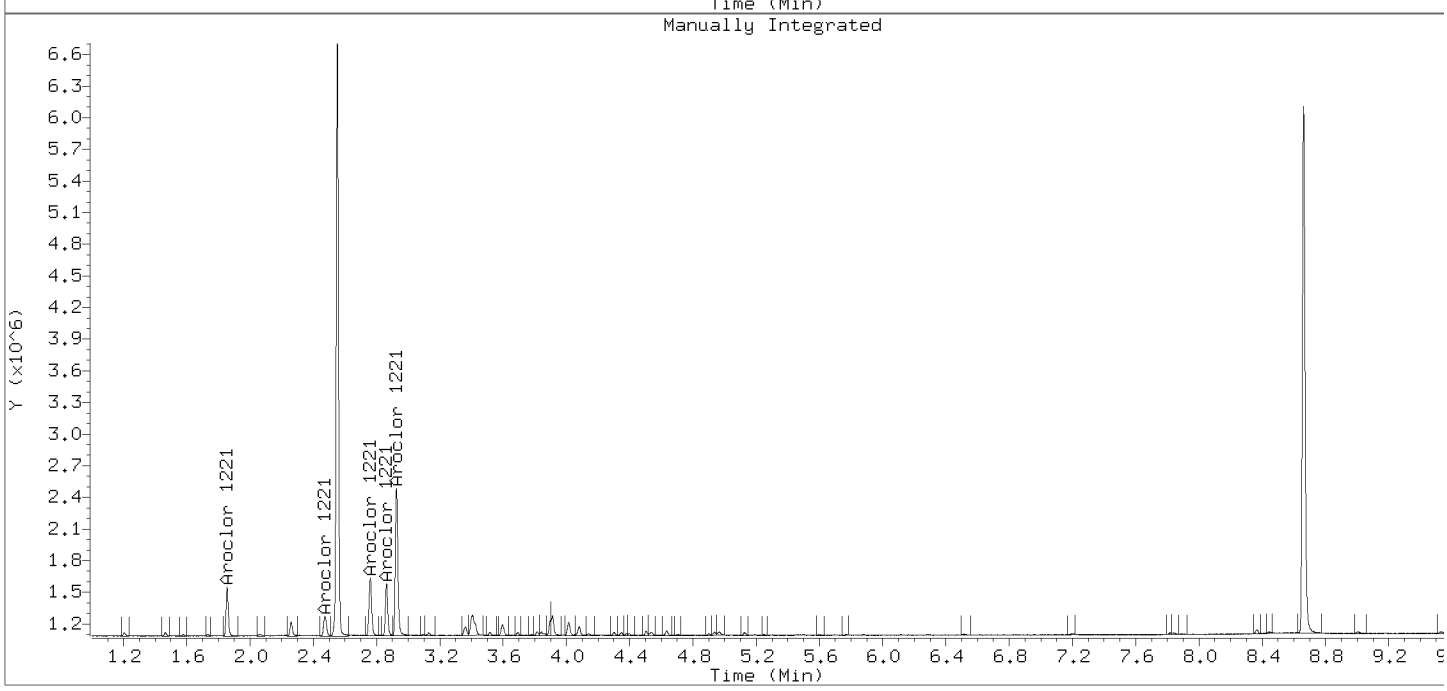
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618011.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:23 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CAL3F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	464510	472510	BA
Aroclor 1221	464510	472510	BA
Aroclor 1221	464510	472510	BA
Aroclor 1221	464510	472510	BA
Aroclor 1221	464510	472510	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618013.D
Lab Smp Id: 1221-CAL4F Client Smp ID: 1221-CAL4F
Inj Date : 06-MAR-2018 12:39
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal4f, 188140:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:39 Cal File: 030618013.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
1.465	61914	60025	0.969	0.19		
1.579	26402	25060	0.949	0.08		
1.732	10528	10656	1.012	0.03		
1.855	728077	721730	0.991	2.34	1 Aroclor 1221	BA
2.219	14288	12090	0.846	0.04		
2.259	229394	210685	0.918	0.73		
2.473	380420	285286	0.750	1.22	1 Aroclor 1221	BA
2.551	10662514	10796391	1.013	34.34		
2.760	1046859	848743	0.811	3.37	1 Aroclor 1221	BA
2.862	834281	796882	0.955	2.68	1 Aroclor 1221	BA
2.925	2476484	2156027	0.871	7.97	1 Aroclor 1221	BA
3.131	52806	46155	0.874	0.17		
3.298	10623	9368	0.882	0.03		
3.361	173215	129394	0.747	0.55		
3.407	608724	306271	0.503	1.96		
3.516	57728	47759	0.827	0.18		
3.596	213111	156686	0.735	0.68		
3.694	56650	57780	1.020	0.18		
3.777	13940	13955	1.001	0.04		
3.814	56688	56330	0.994	0.18		
3.842	63115	55289	0.876	0.20		
3.911	512278	291993	0.570	1.65		
4.014	251164	196657	0.783	0.80		
4.080	144324	129600	0.898	0.46		
4.144	24528	20018	0.816	0.07		
4.301	53818	48907	0.909	0.17		
4.348	50570	45963	0.909	0.16		
4.380	19413	21726	1.119	0.06		
4.396	25441	25346	0.996	0.08		
4.505	62994	61129	0.970	0.20		
4.536	72630	48758	0.671	0.23		
4.635	73603	68524	0.931	0.23		
4.706	21212	18071	0.852	0.06		
4.900	30379	28078	0.924	0.09		
4.937	54355	49189	0.905	0.17		
4.966	64332	47990	0.746	0.20		
5.130	54465	42461	0.780	0.17		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.189	12749	12007	0.942	0.04	
5.249	15738	14270	0.907	0.05	
5.496	13663	11060	0.809	0.04	
5.599	20182	16762	0.831	0.06	
5.880	10340	8865	0.857	0.03	
7.212	16357	11266	0.689	0.05	
7.820	53876	35264	0.655	0.17	
7.893	27224	18922	0.695	0.08	
8.364	93001	75766	0.815	0.29	
8.662	11460358	9454184	0.825	37.15	
9.176	16663	12619	0.757	0.05	
9.531	12046	10101	0.839	0.03	
	31045468	27628058		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618013.D
Lab Smp Id: 1221-CAL4F Client Smp ID: 1221-CAL4F
Inj Date : 06-MAR-2018 12:39
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal4f, 188140:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:39 Cal File: 030618013.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			
1.854	1.853	0.001	728077	0.80000	0.73	0.00- 20.00	100.00(M)	BA
2.473	2.472	0.001	380419	0.80000	0.71	0.00- 20.00	52.25	BA
2.759	2.760	-0.001	1046859	0.80000	0.74	0.00- 20.00	143.78	BA
2.861	2.862	-0.001	834280	0.80000	0.75	0.00- 20.00	114.59	BA
2.925	2.926	-0.001	2476484	0.80000	0.74	0.00- 20.00	340.14	BA
Average of Peak Amounts =					0.73400			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

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

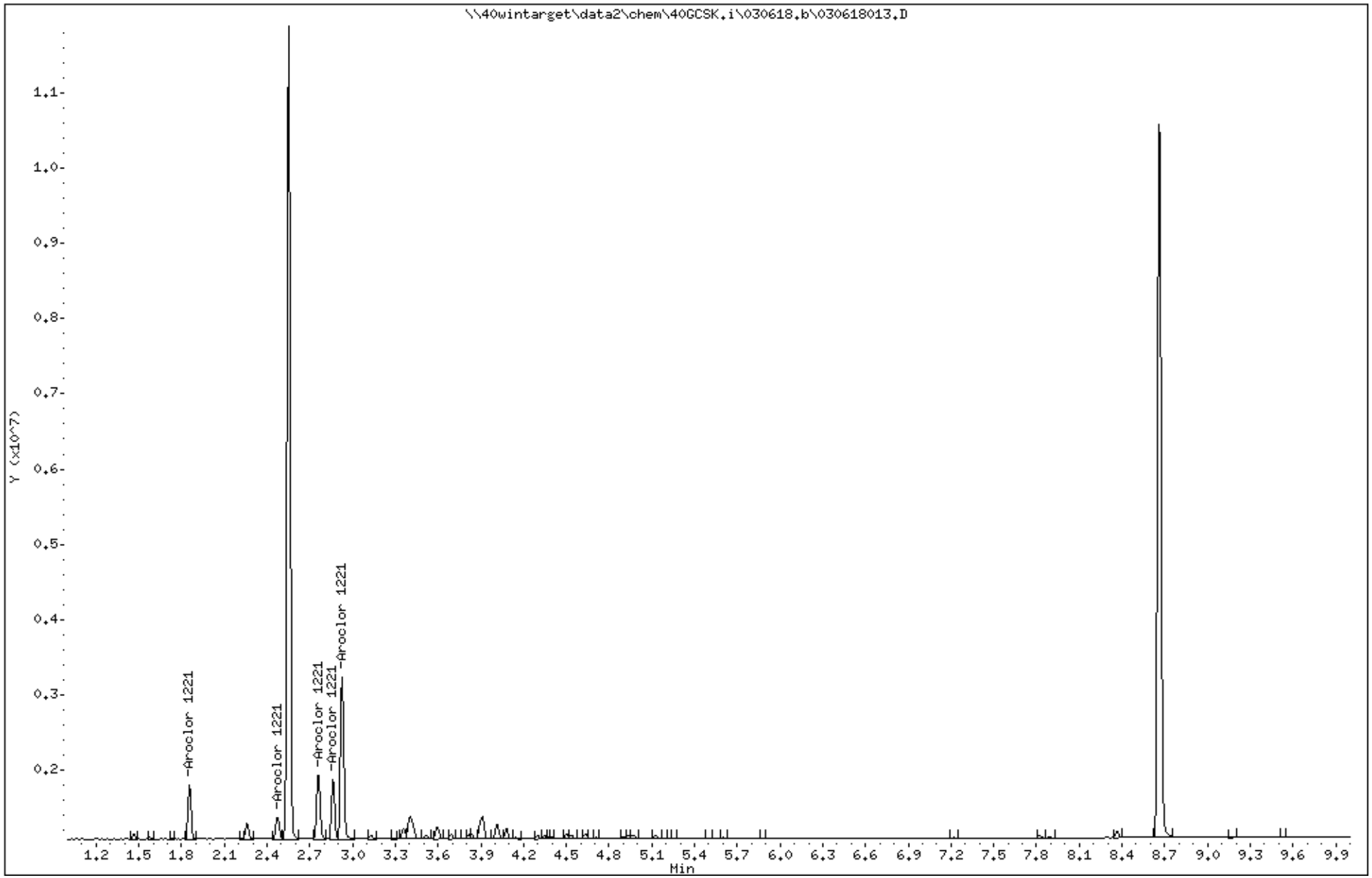
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618013.D
Date : 06-MAR-2018 12:39
Client ID: 1221-CAL4F
Sample Info: 1221-CAL4F, 188140:1

Instrument: 40GCSK.i

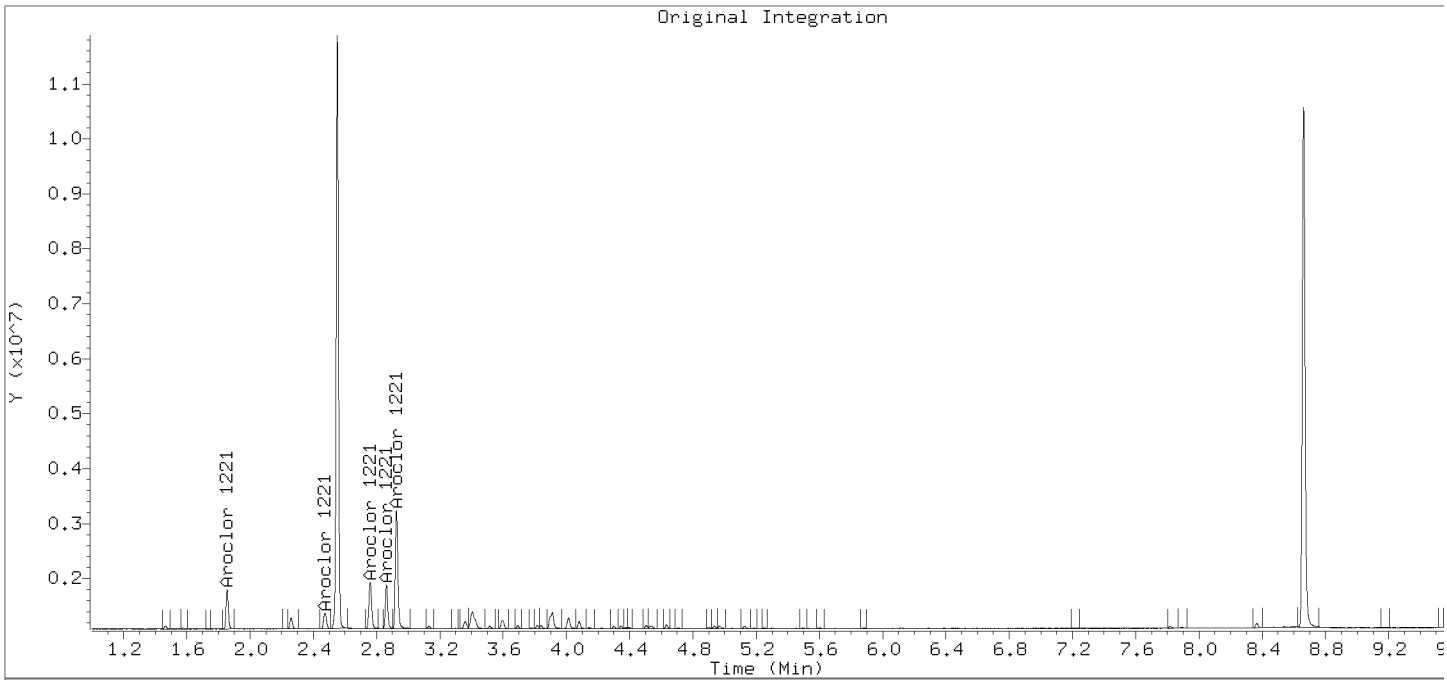
Operator: BLM

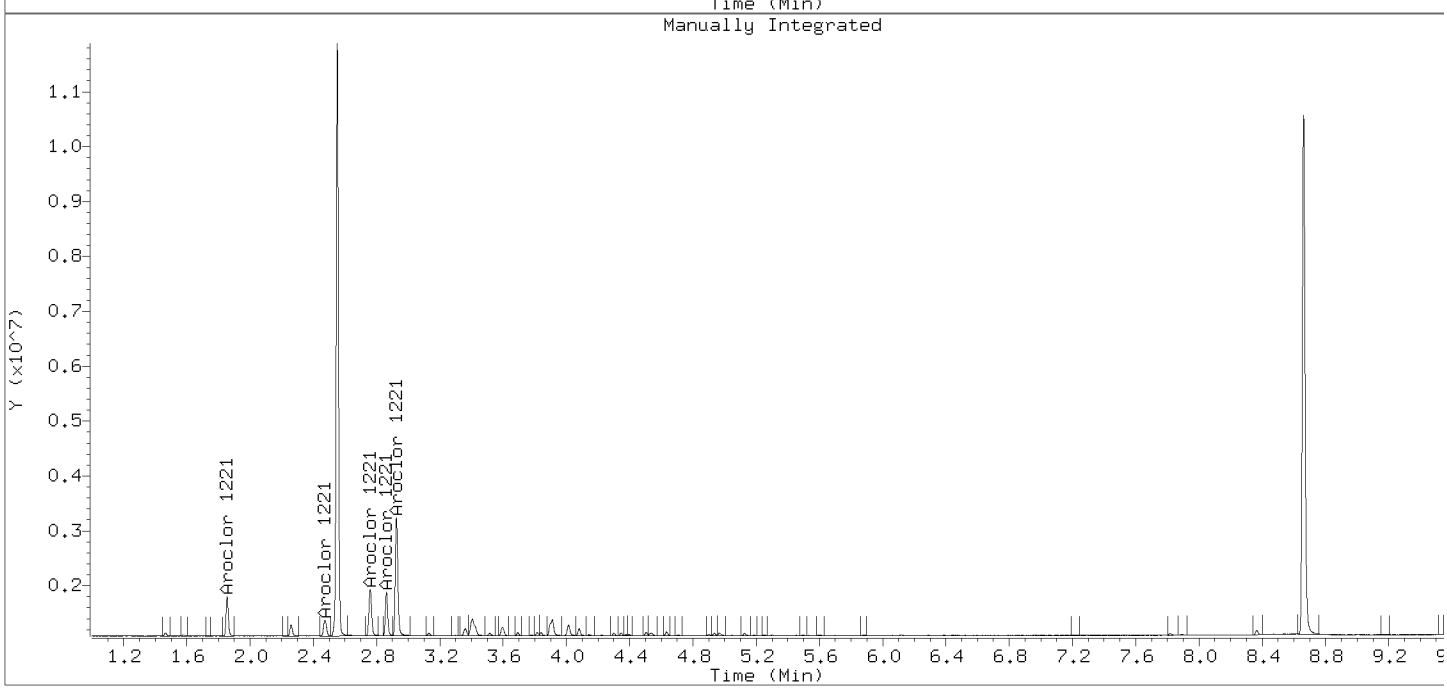
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618013.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:39 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CAL4F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	717153	728077	BA
Aroclor 1221	717153	728077	BA
Aroclor 1221	717153	728077	BA
Aroclor 1221	717153	728077	BA
Aroclor 1221	717153	728077	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618015.D
Lab Smp Id: 1221-CAL5F Client Smp ID: 1221-CAL5F
Inj Date : 06-MAR-2018 12:55
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal5f, 188141:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 12:55 Cal File: 030618015.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
1.464	91206	90915	0.997	0.20		
1.578	39245	36960	0.942	0.08		
1.854	903334	885522	0.980	2.01	1 Aroclor 1221	BA
2.222	17256	17446	1.011	0.03		
2.259	281472	262731	0.933	0.62		
2.473	476187	365188	0.767	1.06	1 Aroclor 1221	BA
2.551	16287972	16354669	1.004	36.41		
2.638	27054	19392	0.717	0.06		
2.760	1318154	1066179	0.809	2.94	1 Aroclor 1221	BA
2.862	1086008	1023539	0.942	2.42	1 Aroclor 1221	BA
2.925	3118782	2719712	0.872	6.97	1 Aroclor 1221	BA
3.131	79694	64894	0.814	0.17		
3.296	13972	11046	0.791	0.03		
3.361	218085	164615	0.755	0.48		
3.406	773223	394255	0.510	1.72		
3.516	72429	58173	0.803	0.16		
3.595	267800	197300	0.737	0.59		
3.692	85163	84280	0.990	0.19		
3.779	15781	17705	1.122	0.03		
3.815	71373	70712	0.991	0.15		
3.839	77207	70721	0.916	0.17		
3.912	648349	376926	0.581	1.44		
4.014	311197	247942	0.797	0.69		
4.079	183839	160480	0.873	0.41		
4.145	25947	23001	0.886	0.05		
4.223	11993	10016	0.835	0.02		
4.299	63776	62960	0.987	0.14		
4.346	59654	59437	0.996	0.13		
4.377	25664	26061	1.015	0.05		
4.395	31633	30079	0.951	0.07		
4.504	80401	75345	0.937	0.17		
4.536	84823	59679	0.704	0.18		
4.634	95590	86843	0.908	0.21		
4.708	21429	21250	0.992	0.04		
4.901	35023	32889	0.939	0.07		
4.935	62853	59588	0.948	0.14		
4.967	87175	58549	0.672	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.127	67752	53594	0.791	0.15	
5.187	19586	13640	0.696	0.04	
5.253	17475	16568	0.948	0.03	
5.303	16274	10111	0.621	0.03	
5.495	16190	13872	0.857	0.03	
5.534	15005	11614	0.774	0.03	
5.599	26834	20754	0.773	0.05	
6.115	10870	10854	0.999	0.02	
7.214	19472	11081	0.569	0.04	
7.818	66345	49586	0.747	0.14	
7.890	25265	22471	0.889	0.05	
8.364	148444	119878	0.808	0.33	
8.611	13498	9430	0.699	0.03	
8.661	17091317	14186918	0.830	38.49	
9.175	24169	17466	0.723	0.05	
	44729239	39934836		100.000	

Total unknown % area = 85

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618015.D
Lab Smp Id: 1221-CAL5F Client Smp ID: 1221-CAL5F
Inj Date : 06-MAR-2018 12:55
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-cal5f, 188141:1
Misc Info : 17499,NSAR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 12:55 Cal File: 030618015.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			
1.854	1.853	0.001	903333	1.00000	0.91	0.00- 20.00	100.00(M)	BA
2.473	2.472	0.001	476187	1.00000	0.89	0.00- 20.00	52.71	BA
2.759	2.760	-0.001	1318154	1.00000	0.94	0.00- 20.00	145.92	BA
2.862	2.862	0.000	1086008	1.00000	0.98	0.00- 20.00	120.22	BA
2.925	2.926	-0.001	3118782	1.00000	0.93	0.00- 20.00	345.25	BA
Average of Peak Amounts =					0.93000			

QC Flag Legend

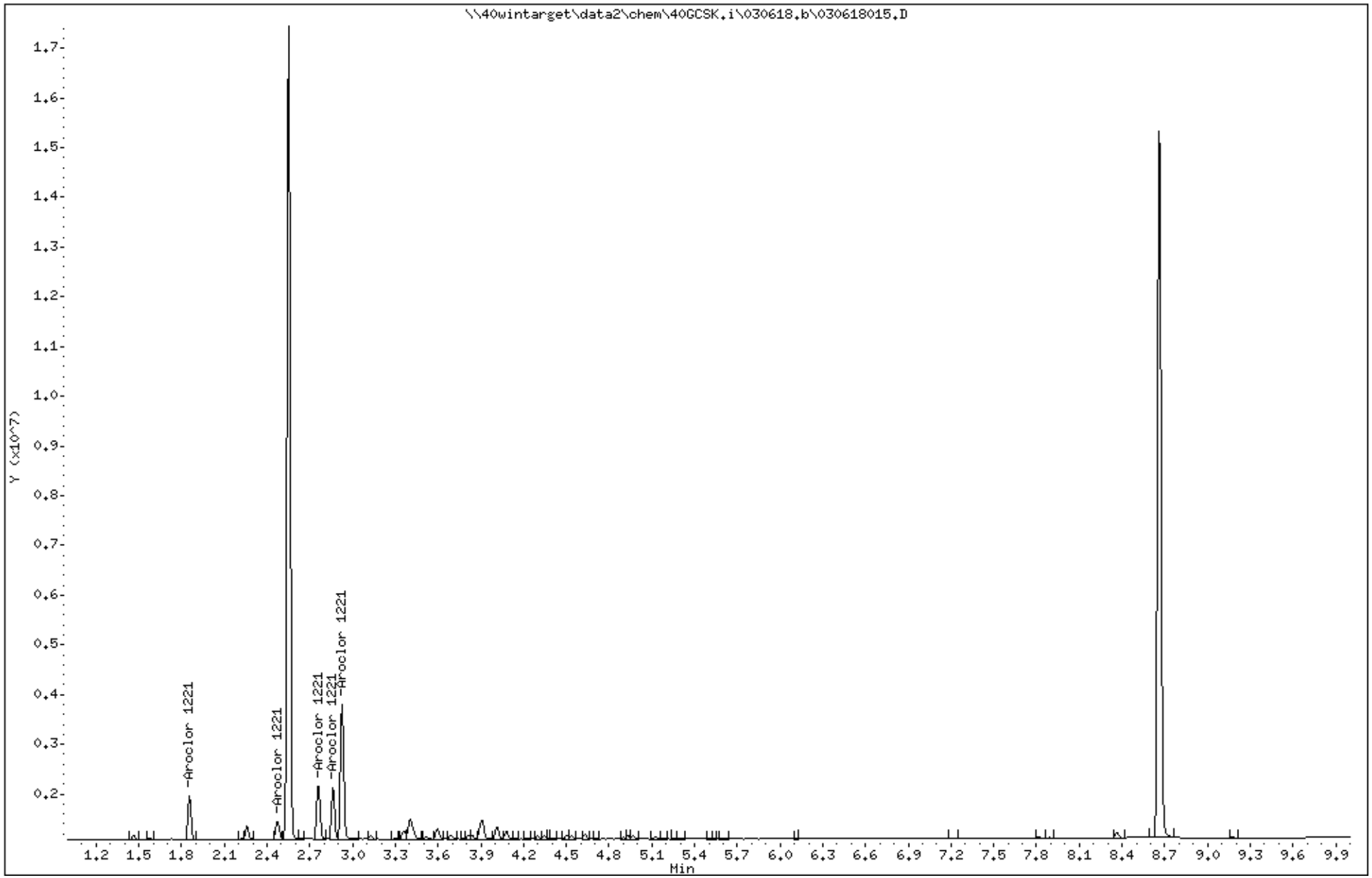
M - Compound response manually integrated.

Review Codes Legend

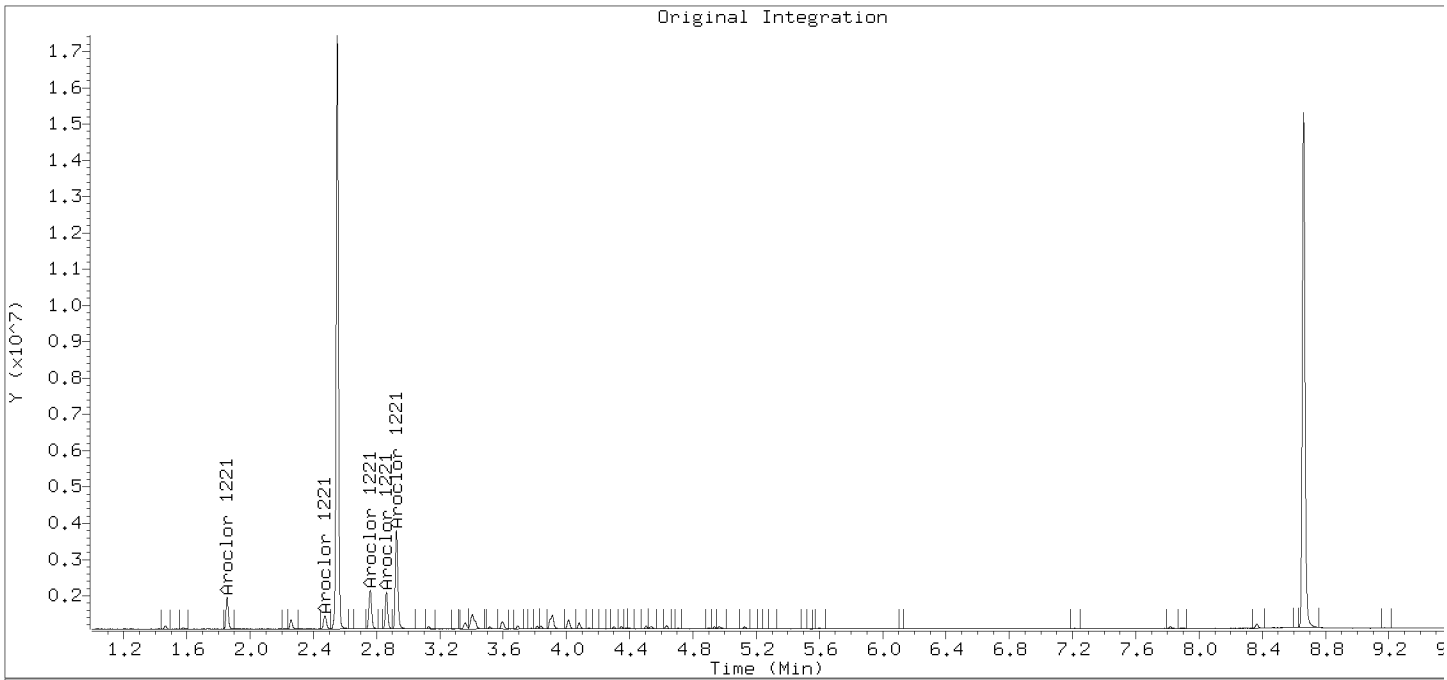
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

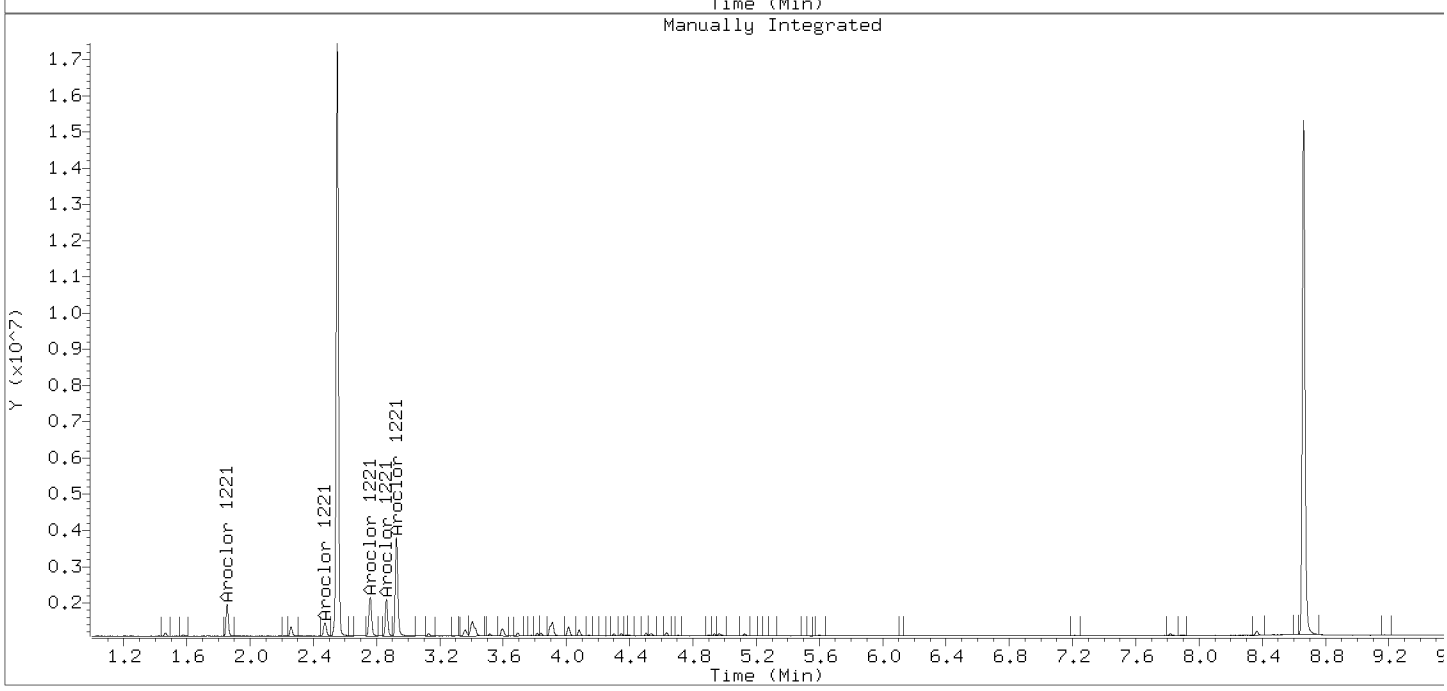
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618015.D
Date : 06-MAR-2018 12:55
Client ID: 1221-CAL5F
Sample Info: 1221-CAL5F, 188141:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618015.D (ManInt: NSAR1221.sub Orig: NSAR1221.sub)
Injection Date: 06-MAR-2018 12:55 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CAL5F





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	892859	903333	BA
Aroclor 1221	892859	903333	BA
Aroclor 1221	892859	903333	BA
Aroclor 1221	892859	903333	BA
Aroclor 1221	892859	903333	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618019.D
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 06-MAR-2018 13:28
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal1b, 188132:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:28 Cal File: 030618019.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
1.203	31492	31854	1.012	0.34		
1.464	10959	10400	0.949	0.12		
1.733	24158	21340	0.883	0.26		
2.065	23110	19090	0.826	0.25		
2.470	28052	22632	0.807	0.30		
2.551	1250384	1261957	1.009	13.70		
2.756	36541	30614	0.838	0.40		
2.863	58622	56340	0.961	0.64		
2.925	207573	185827	0.895	2.27		
3.094	19243	16275	0.846	0.21		
3.132	38535	30762	0.798	0.42		
3.397	277205	262729	0.948	3.03	3 Aroclor 1242	BA
3.424	175172	156435	0.893	1.92		
3.516	51549	41820	0.811	0.56		
3.596	280614	201146	0.717	3.07	3 Aroclor 1242	BA
3.692	12811	11195	0.874	0.14		
3.815	70036	66565	0.950	0.76		
3.839	66494	44885	0.675	0.72		
3.910	827195	462982	0.560	9.06	3 Aroclor 1242	BA
4.013	346636	271736	0.784	3.79	3 Aroclor 1242	BA
4.080	241376	200083	0.829	2.64	3 Aroclor 1242	BA
4.143	90958	64821	0.713	0.99		
4.223	33290	28820	0.866	0.36		
4.300	192775	179802	0.933	2.11		
4.346	186728	173278	0.928	2.04		
4.378	74162	84382	1.138	0.81		
4.395	107307	92284	0.860	1.17		
4.504	246273	231521	0.940	2.69		
4.540	204915	149465	0.729	2.24		
4.633	332352	290881	0.875	3.64		
4.706	80103	68846	0.859	0.87		
4.815	18139	16660	0.918	0.19		
4.855	19745	17827	0.903	0.21		
4.901	150218	138855	0.924	1.64		
4.936	264989	241921	0.913	2.90		
4.967	365367	237796	0.651	4.00		
5.046	46816	33254	0.710	0.51		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.127	280869	238148	0.848	3.07	
5.190	61818	51750	0.837	0.67	
5.250	74970	65390	0.872	0.82	
5.299	61718	51338	0.832	0.67	
5.398	18423	13702	0.744	0.20	
5.453	52483	38456	0.733	0.57	
5.497	76787	64991	0.846	0.84	
5.535	54375	43442	0.799	0.59	
5.599	116822	97331	0.833	1.28	
5.694	37471	32308	0.862	0.41	
5.769	14827	11519	0.777	0.16	
5.881	85924	69005	0.803	0.94	
6.116	85280	59460	0.697	0.93	
6.387	23971	20671	0.862	0.26	
6.510	16016	10978	0.685	0.17	
6.627	12293	9648	0.785	0.13	
7.196	24400	14255	0.584	0.26	
7.838	13990	13736	0.982	0.15	
8.362	18176	12463	0.686	0.19	
8.439	11539	11091	0.961	0.12	
8.661	1450721	1221810	0.842	16.20	
9.002	27360	18649	0.682	0.29	
9.528	10823	10423	0.963	0.11	
	9122947	7637644		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618019.D
Lab Smp Id: 1242-CAL1B Client Smp ID: 1242-CAL1B
Inj Date : 06-MAR-2018 13:28
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal1b, 188132:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:28 Cal File: 030618019.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			
3.397	3.398	-0.001	277204	0.10000	0.11	0.00- 20.00	100.00(M)	BA
3.596	3.596	0.000	280613	0.10000	0.11	0.00- 20.00	101.23	BA
3.910	3.910	0.000	827195	0.10000	0.11	0.00- 20.00	298.41	BA
4.013	4.013	0.000	346635	0.10000	0.11	0.00- 20.00	125.05	BA
4.079	4.080	-0.001	241376	0.10000	0.11	0.00- 20.00	87.08	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\40GCSK.i\030618.b\030618019.D

Date : 06-MAR-2018 13:28

Client ID: 1242-CAL1B

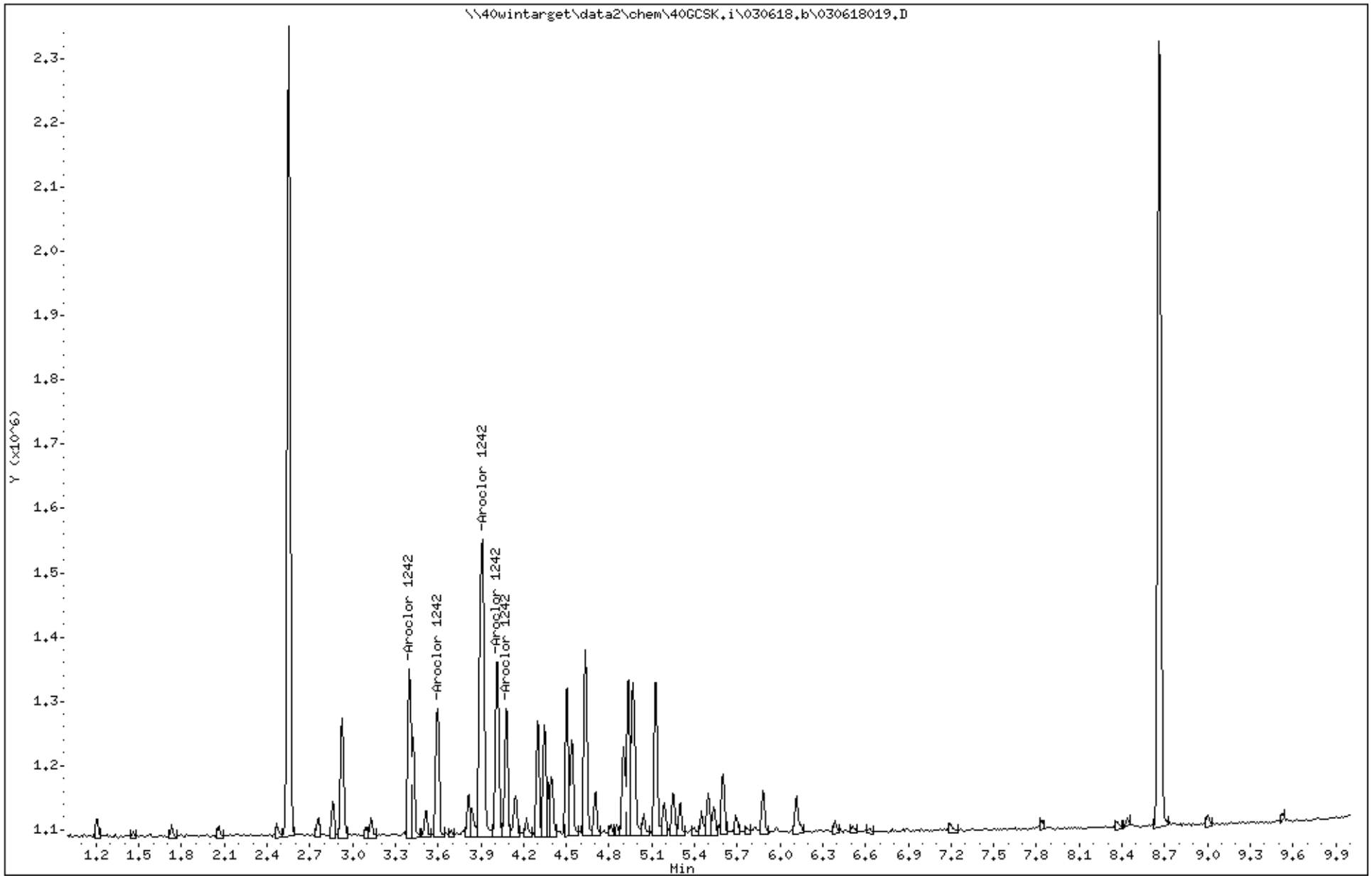
Instrument: 40GCSK.i

Sample Info: 1242-CAL1B, 188132:1

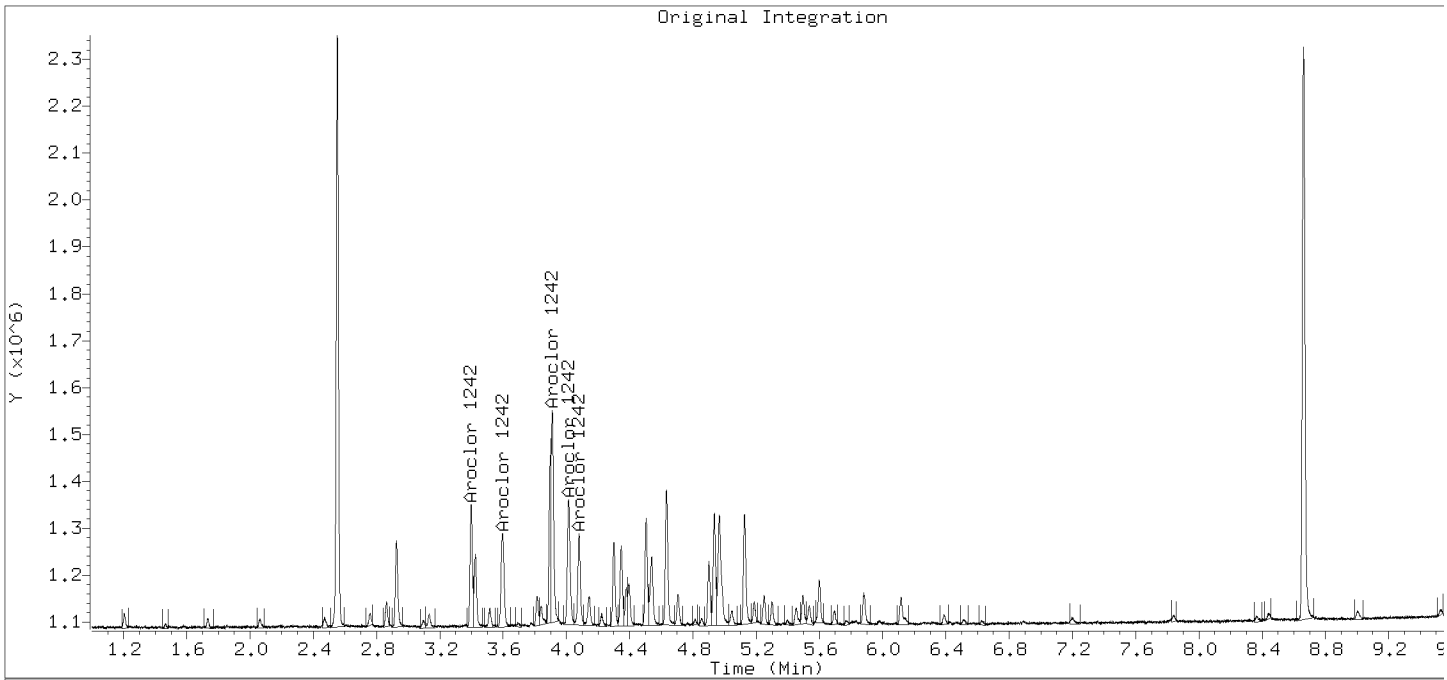
Operator: BLM

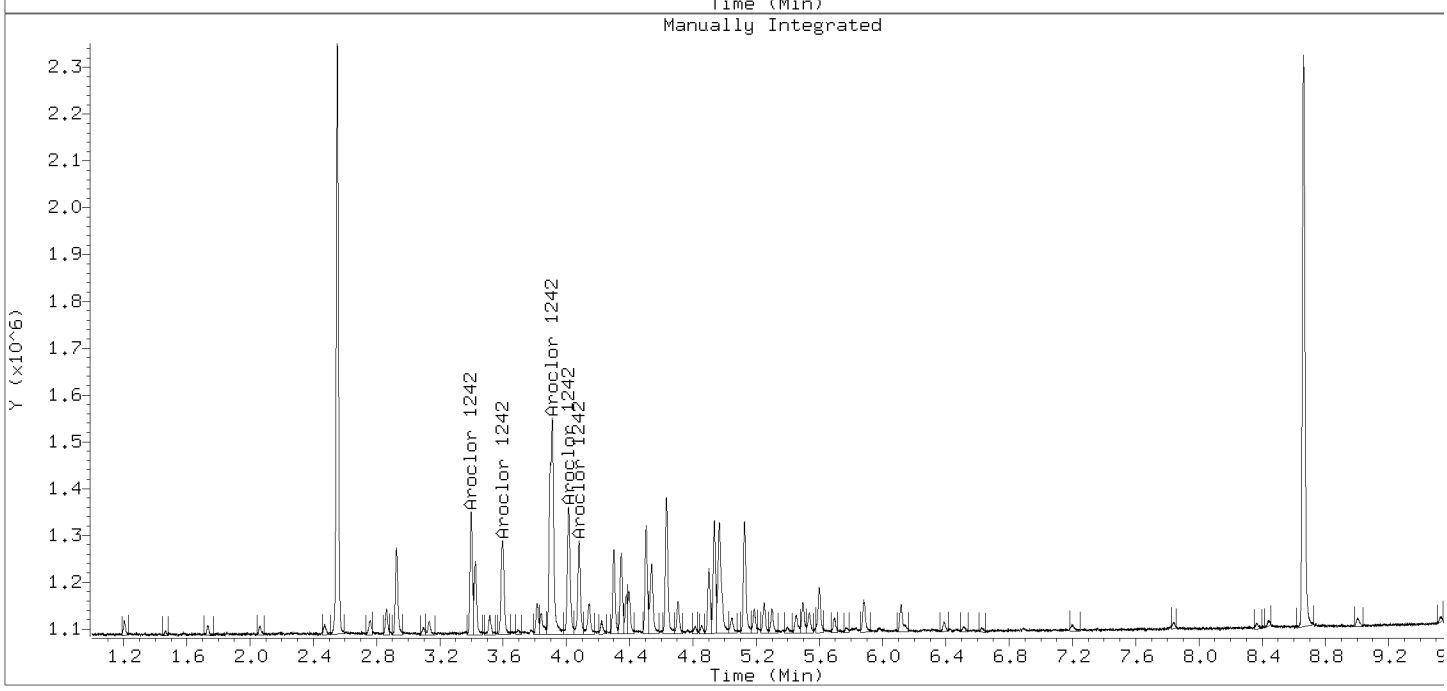
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618019.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 13:28 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CAL1B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	274015	277204	BA
Aroclor 1242	274015	277204	BA
Aroclor 1242	274015	277204	BA
Aroclor 1242	274015	277204	BA
Aroclor 1242	274015	277204	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618021.D
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 06-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal2b, 185543:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 13:44 Cal File: 030618021.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
1.465	16047	16112	1.004	0.09		
1.733	12813	13955	1.089	0.07		
2.472	50601	38631	0.763	0.29		
2.552	2364719	2349900	0.994	13.93		
2.758	77517	57769	0.745	0.45		
2.864	116610	101669	0.872	0.68		
2.925	397870	358088	0.900	2.34		
3.133	62156	56287	0.906	0.36		
3.398	535930	519454	0.969	3.15	3 Aroclor 1242	BA
3.424	335855	291077	0.867	1.97		
3.516	94487	77535	0.821	0.55		
3.597	536149	387058	0.722	3.15	3 Aroclor 1242	BA
3.693	20750	16449	0.793	0.12		
3.780	17641	18215	1.033	0.10		
3.815	130942	132603	1.013	0.77		
3.841	100251	83171	0.830	0.59		
3.911	1608891	884075	0.549	9.48	3 Aroclor 1242	BA
4.015	681908	536108	0.786	4.01	3 Aroclor 1242	BA
4.081	445351	395742	0.889	2.62	3 Aroclor 1242	BA
4.145	142249	120819	0.849	0.83		
4.223	52211	46603	0.893	0.30		
4.300	366423	339302	0.926	2.15		
4.347	355503	335456	0.944	2.09		
4.380	144951	154008	1.062	0.85		
4.396	204740	176119	0.860	1.20		
4.504	484494	463116	0.956	2.85		
4.539	393302	284865	0.724	2.31		
4.634	661255	577078	0.873	3.89		
4.706	154950	135994	0.878	0.91		
4.814	34303	28914	0.843	0.20		
4.857	37982	33141	0.873	0.22		
4.901	290506	264117	0.909	1.71		
4.936	514648	483435	0.939	3.03		
4.967	691459	485959	0.703	4.07		
5.045	88889	61566	0.693	0.52		
5.127	548877	487439	0.888	3.23		
5.188	133132	99020	0.744	0.78		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.250	143538	121125	0.844	0.84	
5.300	109173	94235	0.863	0.64	
5.396	28893	21739	0.752	0.17	
5.452	92954	74194	0.798	0.54	
5.495	144575	124724	0.863	0.85	
5.536	101619	82653	0.813	0.59	
5.599	245459	186037	0.758	1.44	
5.695	75705	61094	0.807	0.44	
5.763	11985	9458	0.789	0.07	
5.804	13672	12745	0.932	0.08	
5.824	26035	17200	0.661	0.15	
5.882	174229	132371	0.760	1.02	
5.976	19067	18215	0.955	0.11	
6.002	15924	10289	0.646	0.09	
6.114	136884	107753	0.787	0.80	
6.390	42424	37334	0.880	0.24	
6.632	22845	14230	0.623	0.13	
7.891	9878	8919	0.903	0.05	
8.362	23680	18037	0.762	0.13	
8.661	2625868	2157986	0.822	15.76	
	16970771	14221187		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618021.D
Lab Smp Id: 1242-CAL2B Client Smp ID: 1242-CAL2B
Inj Date : 06-MAR-2018 13:44
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal2b, 185543:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 13:44 Cal File: 030618021.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			
3.397	3.398	-0.001	535929	0.20000	0.21	0.00- 20.00	100.00(M)	BA
3.596	3.596	0.000	536149	0.20000	0.21	0.00- 20.00	100.04	BA
3.911	3.910	0.001	1608890	0.20000	0.21	0.00- 20.00	300.21	BA
4.014	4.013	0.001	681907	0.20000	0.21	0.00- 20.00	127.24	BA
4.080	4.080	0.000	445351	0.20000	0.20	0.00- 20.00	83.10	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.

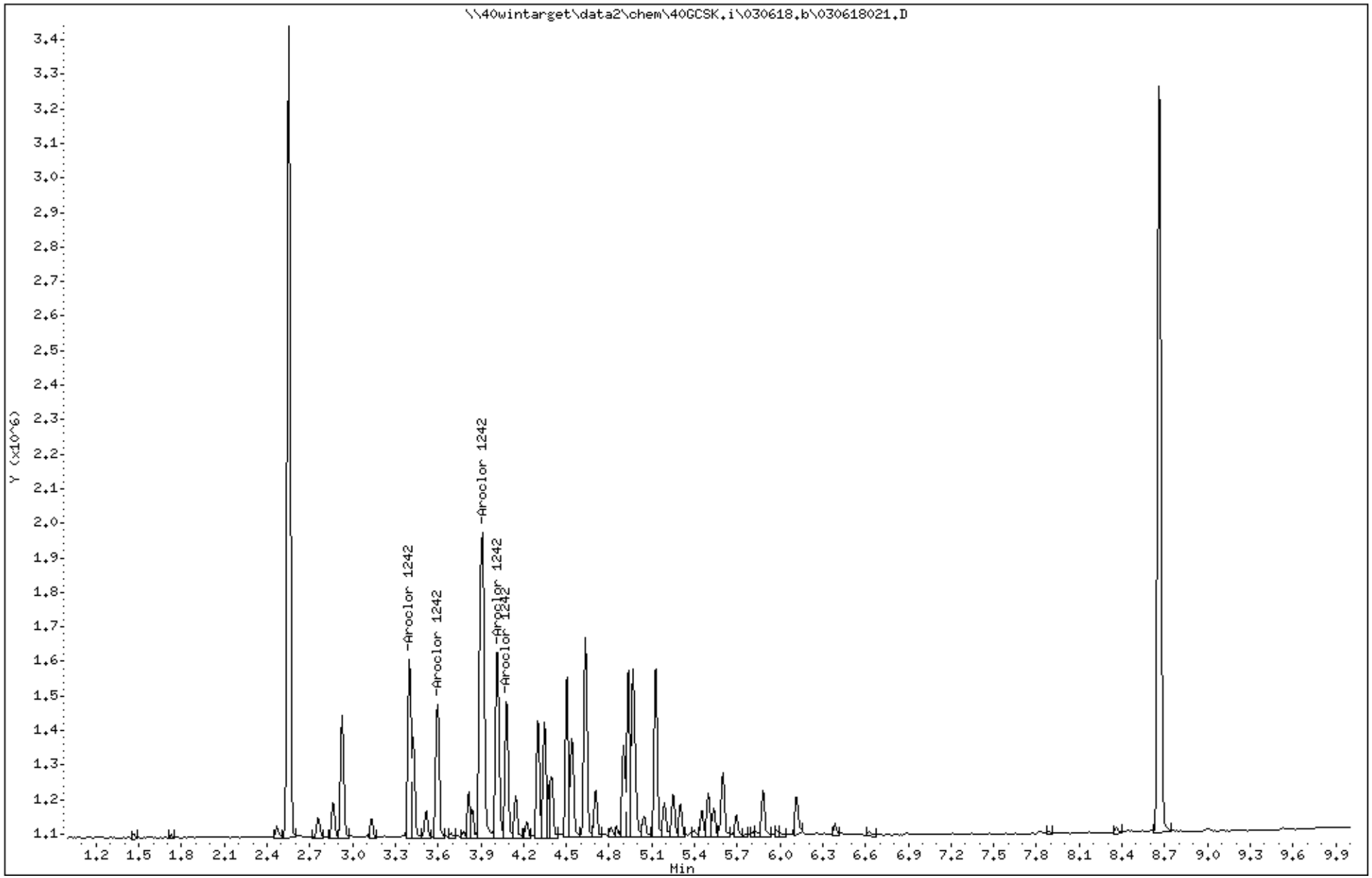
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618021.D
Date : 06-MAR-2018 13:44
Client ID: 1242-CAL2B
Sample Info: 1242-CAL2B, 185543:1

Instrument: 40GCSK.i

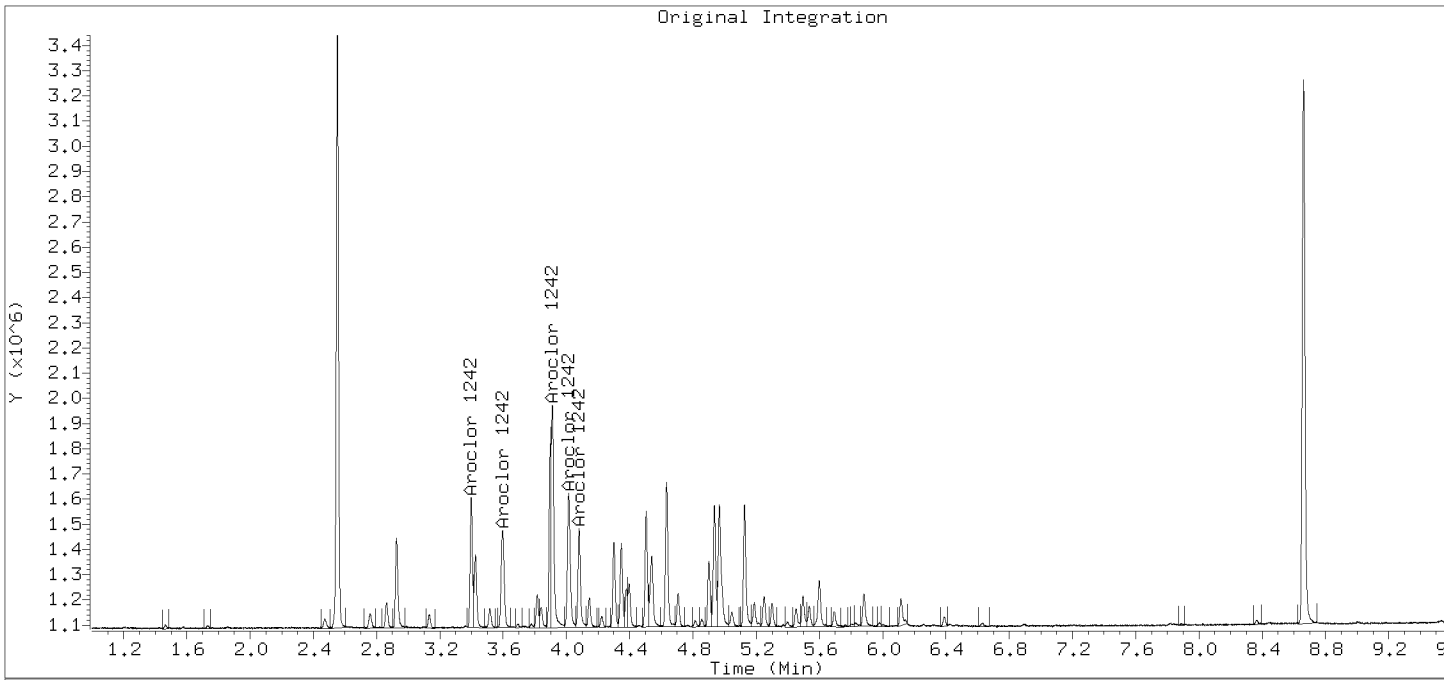
Operator: BLM

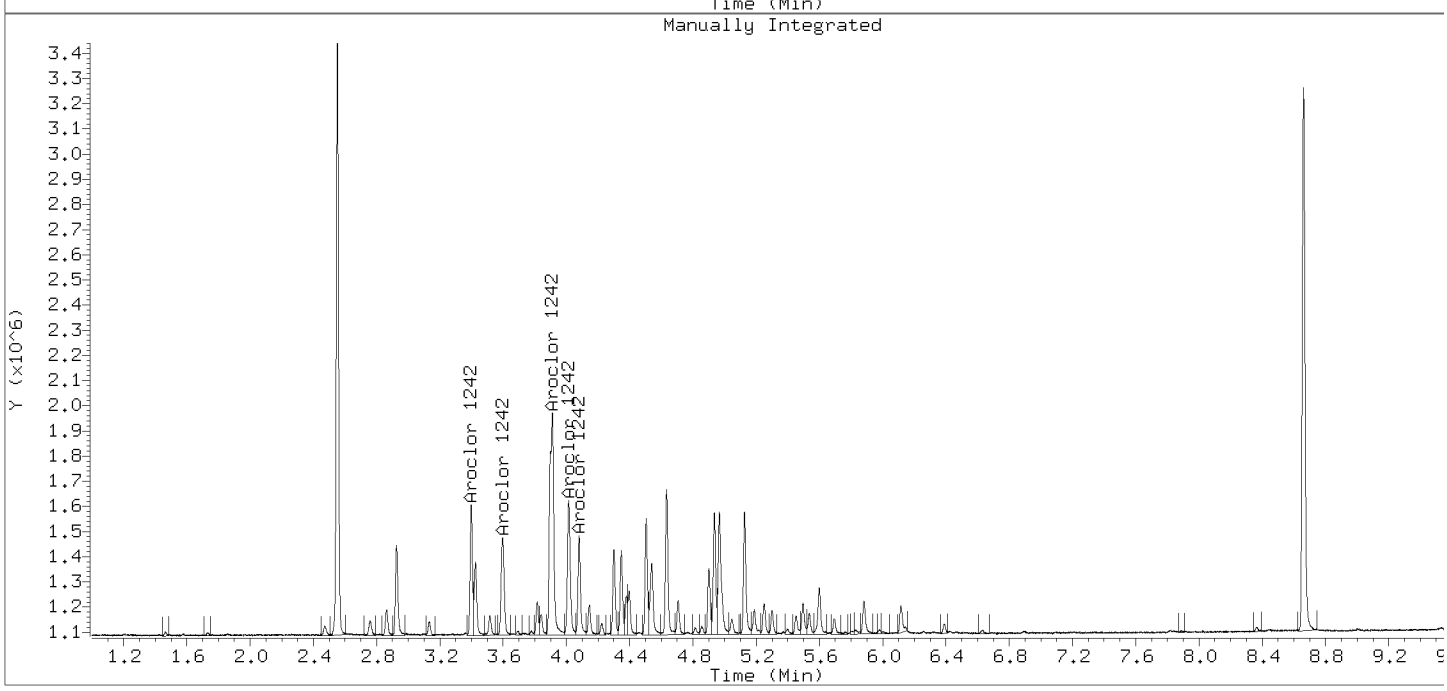
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618021.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 13:44 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CAL2B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	526431	535929	BA
Aroclor 1242	526431	535929	BA
Aroclor 1242	526431	535929	BA
Aroclor 1242	526431	535929	BA
Aroclor 1242	526431	535929	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618023.D
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 06-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal3b, 185544:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:00 Cal File: 030618023.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
1.205	19673	18504	0.941	0.04		
1.468	35379	33081	0.935	0.08		
1.577	17538	15471	0.882	0.04		
1.732	20819	23798	1.143	0.05		
1.855	18895	15273	0.808	0.04		
2.471	121134	94401	0.779	0.29		
2.552	5822048	5811604	0.998	14.26		
2.759	173783	136220	0.784	0.42		
2.863	261246	244597	0.936	0.64		
2.926	928623	872312	0.939	2.27		
3.089	9831	7968	0.811	0.02		
3.133	131877	124937	0.947	0.32		
3.354	17364	15350	0.884	0.04		
3.398	1278977	1207800	0.944	3.13	3 Aroclor 1242	BA
3.425	771588	713736	0.925	1.89		
3.515	209479	181576	0.867	0.51		
3.596	1290335	936826	0.726	3.16	3 Aroclor 1242	BA
3.692	38492	35376	0.919	0.09		
3.778	33317	33977	1.020	0.08		
3.815	322654	309785	0.960	0.79		
3.840	226707	200525	0.885	0.55		
3.911	3788071	2145872	0.566	9.28	3 Aroclor 1242	BA
4.014	1615560	1288441	0.798	3.95	3 Aroclor 1242	BA
4.080	1079115	957413	0.887	2.64	3 Aroclor 1242	BA
4.145	334300	284947	0.852	0.81		
4.223	130768	108489	0.830	0.32		
4.301	884443	842112	0.952	2.16		
4.347	858101	802511	0.935	2.10		
4.379	361680	372279	1.029	0.88		
4.396	451702	419640	0.929	1.10		
4.504	1174470	1097754	0.935	2.87		
4.539	946658	699932	0.739	2.31		
4.633	1558510	1371510	0.880	3.81		
4.706	354233	315349	0.890	0.86		
4.766	30499	22508	0.738	0.07		
4.814	78227	64696	0.827	0.19		
4.856	87624	76685	0.875	0.21		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.901	714519	687647	0.962	1.75	
4.936	1254835	1174976	0.936	3.07	
4.967	1660531	1187147	0.715	4.06	
5.047	207834	143966	0.693	0.50	
5.127	1351880	1204657	0.891	3.31	
5.188	301548	225893	0.749	0.73	
5.251	335979	291190	0.867	0.82	
5.300	267260	220446	0.825	0.65	
5.397	61126	47763	0.781	0.14	
5.452	210970	176724	0.838	0.51	
5.497	368111	297412	0.808	0.90	
5.535	232813	202208	0.869	0.57	
5.600	583077	454735	0.780	1.42	
5.694	179065	152552	0.852	0.43	
5.764	25752	15332	0.595	0.06	
5.808	34206	28352	0.829	0.08	
5.831	49269	42359	0.860	0.12	
5.853	13683	20849	1.524	0.03	
5.881	417819	330112	0.790	1.02	
5.979	65105	39571	0.608	0.15	
6.115	400366	296898	0.742	0.98	
6.259	29080	22085	0.759	0.07	
6.313	30717	16569	0.539	0.07	
6.388	113815	94530	0.831	0.27	
6.422	28213	20261	0.718	0.06	
6.463	19662	14685	0.747	0.04	
6.628	43711	36219	0.829	0.10	
6.892	27169	20647	0.760	0.06	
7.098	14339	9639	0.672	0.03	
7.820	13489	14558	1.079	0.03	
8.365	51017	42662	0.836	0.12	
8.446	9876	8301	0.840	0.02	
8.661	6183882	5053477	0.817	15.52	
9.003	10860	10507	0.968	0.02	
9.175	9907	8152	0.823	0.02	
	40805200	34516336		100.000	

Total unknown % area = 78

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618023.D
Lab Smp Id: 1242-CAL3B Client Smp ID: 1242-CAL3B
Inj Date : 06-MAR-2018 14:00
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal3b, 185544:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:00 Cal File: 030618023.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			
3.397	3.398	-0.001	1278977	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.595	3.596	-0.001	1290334	0.50000	0.50	0.00- 20.00	100.89	BA
3.910	3.910	0.000	3788070	0.50000	0.50	0.00- 20.00	296.18	BA
4.014	4.013	0.001	1615560	0.50000	0.50	0.00- 20.00	126.32	BA
4.080	4.080	0.000	1079114	0.50000	0.50	0.00- 20.00	84.37	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.

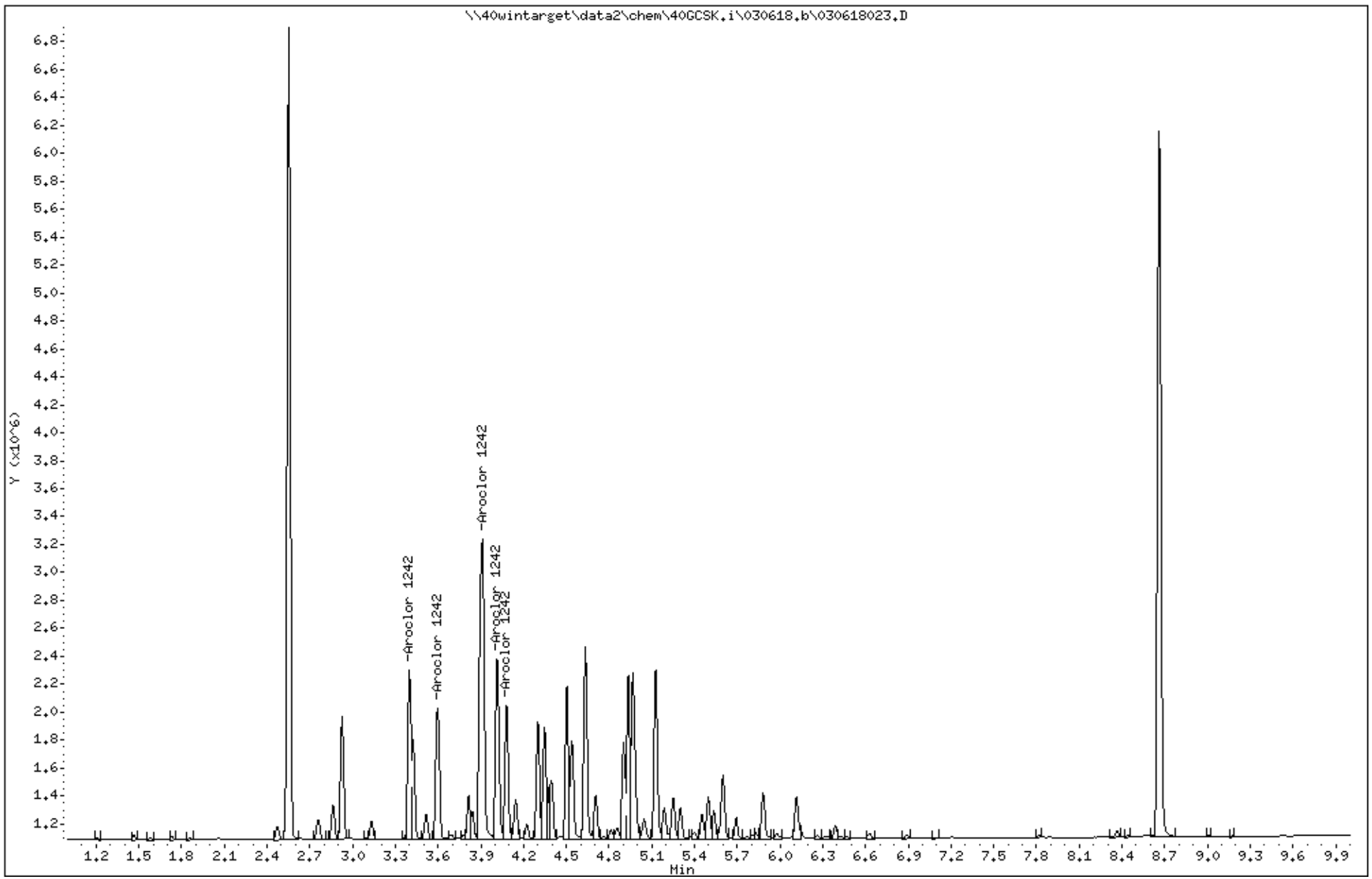
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618023.D
Date : 06-MAR-2018 14:00
Client ID: 1242-CAL3B
Sample Info: 1242-CAL3B, 185544:1

Instrument: 40GCSK.i

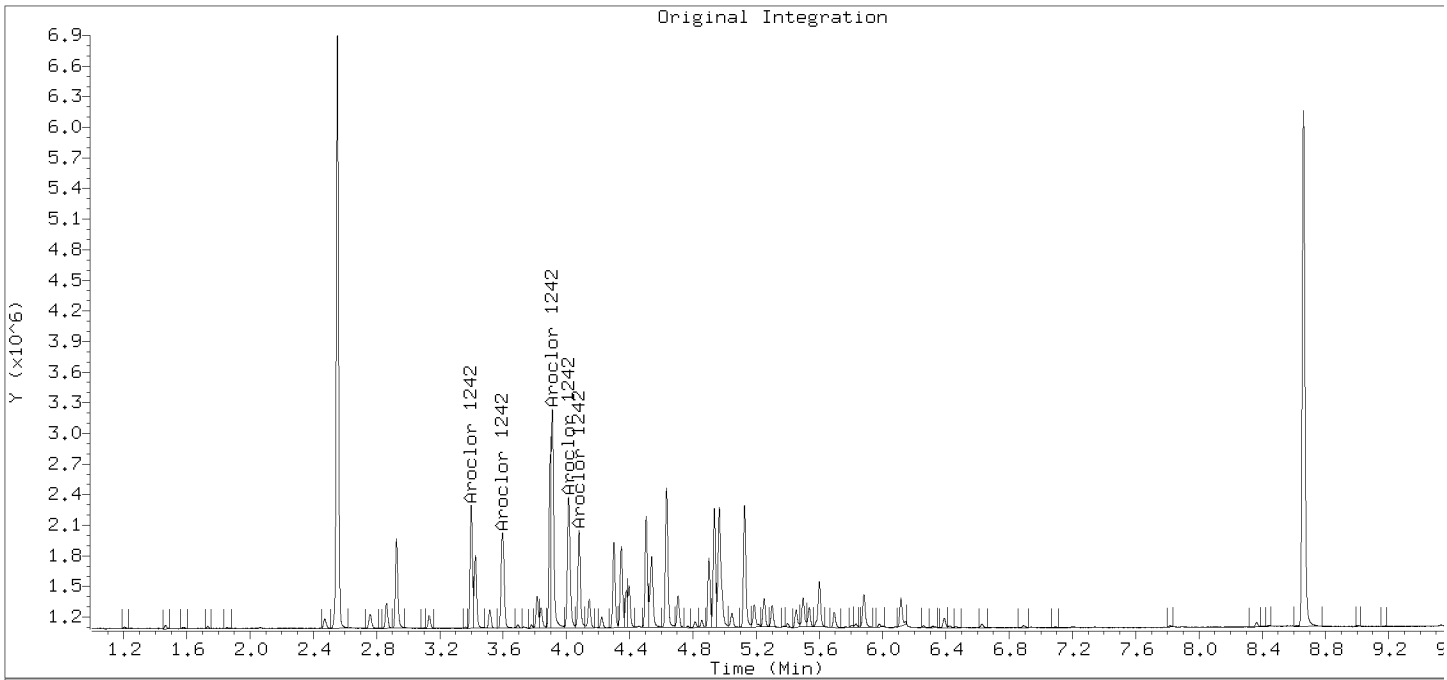
Operator: BLM

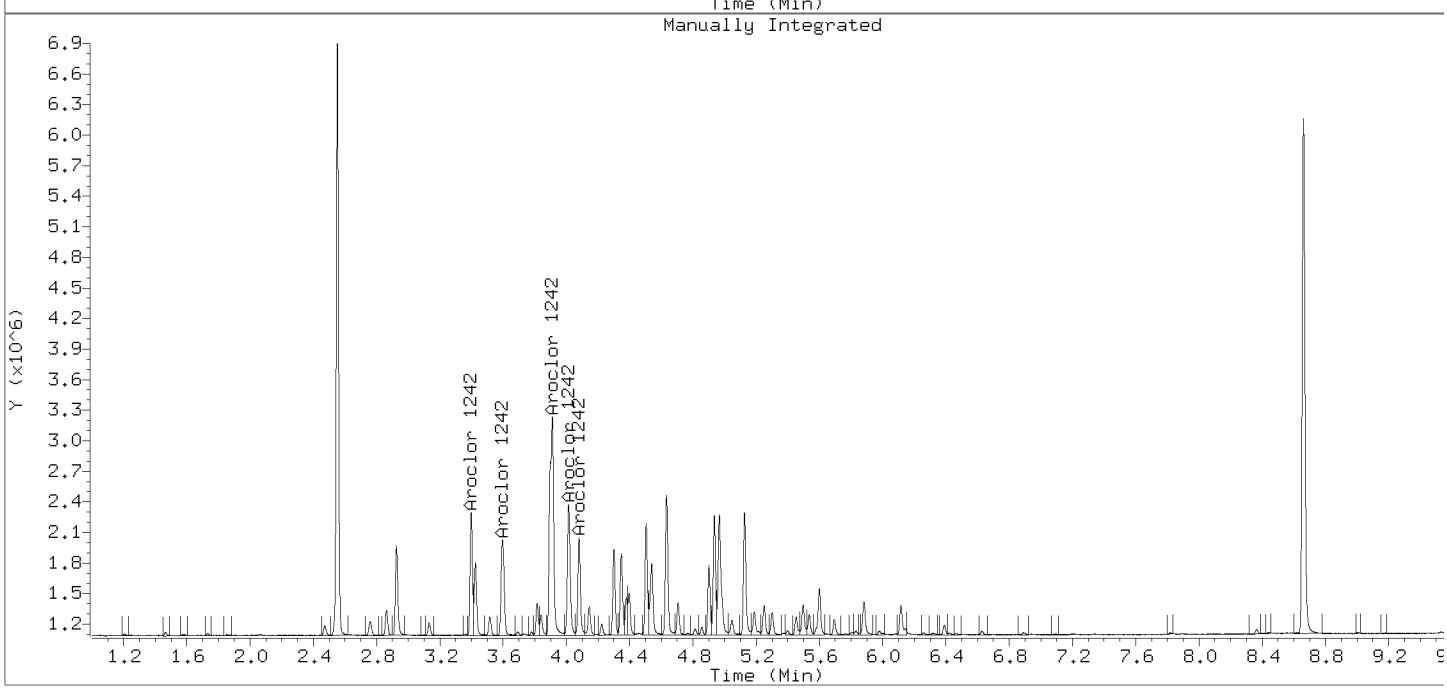
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618023.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:00 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CAL3B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1272863	1278977	BA
Aroclor 1242	1272863	1278977	BA
Aroclor 1242	1272863	1278977	BA
Aroclor 1242	1272863	1278977	BA
Aroclor 1242	1272863	1278977	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618025.D
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 06-MAR-2018 14:16
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal4b, 185545:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:16 Cal File: 030618025.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
1.465	62313	60554	0.972	0.09		
1.578	26993	24335	0.902	0.04		
1.734	23919	16373	0.685	0.03		
1.857	22598	20053	0.887	0.03		
2.472	169262	136820	0.808	0.25		
2.551	11101247	11257883	1.014	16.93		
2.758	254203	201164	0.791	0.38		
2.862	421493	402502	0.955	0.64		
2.925	1402610	1284142	0.916	2.13		
3.132	209123	194987	0.932	0.31		
3.359	26803	22762	0.849	0.04		
3.397	1881321	1750609	0.931	2.87	3 Aroclor 1242	BA
3.425	1158001	1059090	0.915	1.76		
3.516	304222	274464	0.902	0.46		
3.595	1914725	1382856	0.722	2.92	3 Aroclor 1242	BA
3.694	67866	65763	0.969	0.10		
3.729	32470	20656	0.636	0.04		
3.779	52665	51805	0.984	0.08		
3.814	488841	488556	0.999	0.74		
3.840	328238	297424	0.906	0.50		
3.910	5683302	3259630	0.574	8.67	3 Aroclor 1242	BA
4.014	2410559	1921053	0.797	3.67	3 Aroclor 1242	BA
4.080	1619811	1452517	0.897	2.47	3 Aroclor 1242	BA
4.144	481375	430384	0.894	0.73		
4.222	179632	161755	0.900	0.27		
4.300	1307581	1211111	0.926	1.99		
4.347	1273490	1195323	0.939	1.94		
4.378	551916	561971	1.018	0.84		
4.396	682548	620810	0.910	1.04		
4.457	41622	27933	0.671	0.06		
4.504	1733612	1603982	0.925	2.64		
4.539	1435217	1020157	0.711	2.18		
4.633	2314621	2026083	0.875	3.53		
4.706	542588	491003	0.905	0.82		
4.766	36866	30768	0.835	0.05		
4.813	113138	92003	0.813	0.17		
4.855	126055	116675	0.926	0.19		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.901	1088344	1026616	0.943	1.66	
4.935	1890711	1704520	0.902	2.88	
4.966	2469176	1743520	0.706	3.76	
5.047	298078	215462	0.723	0.45	
5.126	2032697	1784205	0.878	3.10	
5.187	396626	340160	0.858	0.60	
5.250	503457	445904	0.886	0.76	
5.300	391905	332605	0.849	0.59	
5.372	30854	29429	0.954	0.04	
5.399	84830	66999	0.790	0.12	
5.452	317466	266172	0.838	0.48	
5.495	537617	463127	0.861	0.82	
5.535	349050	299740	0.859	0.53	
5.599	912842	698886	0.766	1.39	
5.694	268033	224107	0.836	0.40	
5.761	23675	16785	0.709	0.03	
5.807	51043	41030	0.804	0.07	
5.831	68221	60079	0.881	0.10	
5.881	633408	505883	0.799	0.96	
5.978	69060	57531	0.833	0.10	
6.082	16747	17805	1.063	0.02	
6.115	605448	454494	0.751	0.92	
6.256	37671	28917	0.768	0.05	
6.320	39750	19554	0.492	0.06	
6.388	165215	144325	0.874	0.25	
6.423	39408	33011	0.838	0.06	
6.466	23110	21840	0.945	0.03	
6.626	59853	53891	0.900	0.09	
6.889	36965	32555	0.881	0.05	
6.931	11949	10700	0.895	0.01	
7.093	11308	11138	0.985	0.01	
7.341	13408	13093	0.977	0.02	
7.818	34164	29330	0.858	0.05	
7.888	10746	11862	1.104	0.01	
8.364	93694	79845	0.852	0.14	
8.660	11411748	9631339	0.844	17.76	
9.174	12705	11080	0.872	0.01	
9.529	10379	10416	1.004	0.01	
9.891	11421	8133	0.712	0.01	
	65545631	56182044		100.000	

Total unknown % area = 79

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618025.D
Lab Smp Id: 1242-CAL4B Client Smp ID: 1242-CAL4B
Inj Date : 06-MAR-2018 14:16
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal4b, 185545:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:16 Cal File: 030618025.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			
3.397	3.398	-0.001	1881321	0.80000	0.74	0.00- 20.00	100.00(M)	BA
3.595	3.596	-0.001	1914724	0.80000	0.74	0.00- 20.00	101.78	BA
3.910	3.910	0.000	5683302	0.80000	0.74	0.00- 20.00	302.09	BA
4.014	4.013	0.001	2410558	0.80000	0.75	0.00- 20.00	128.13	BA
4.079	4.080	-0.001	1619811	0.80000	0.75	0.00- 20.00	86.10	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.

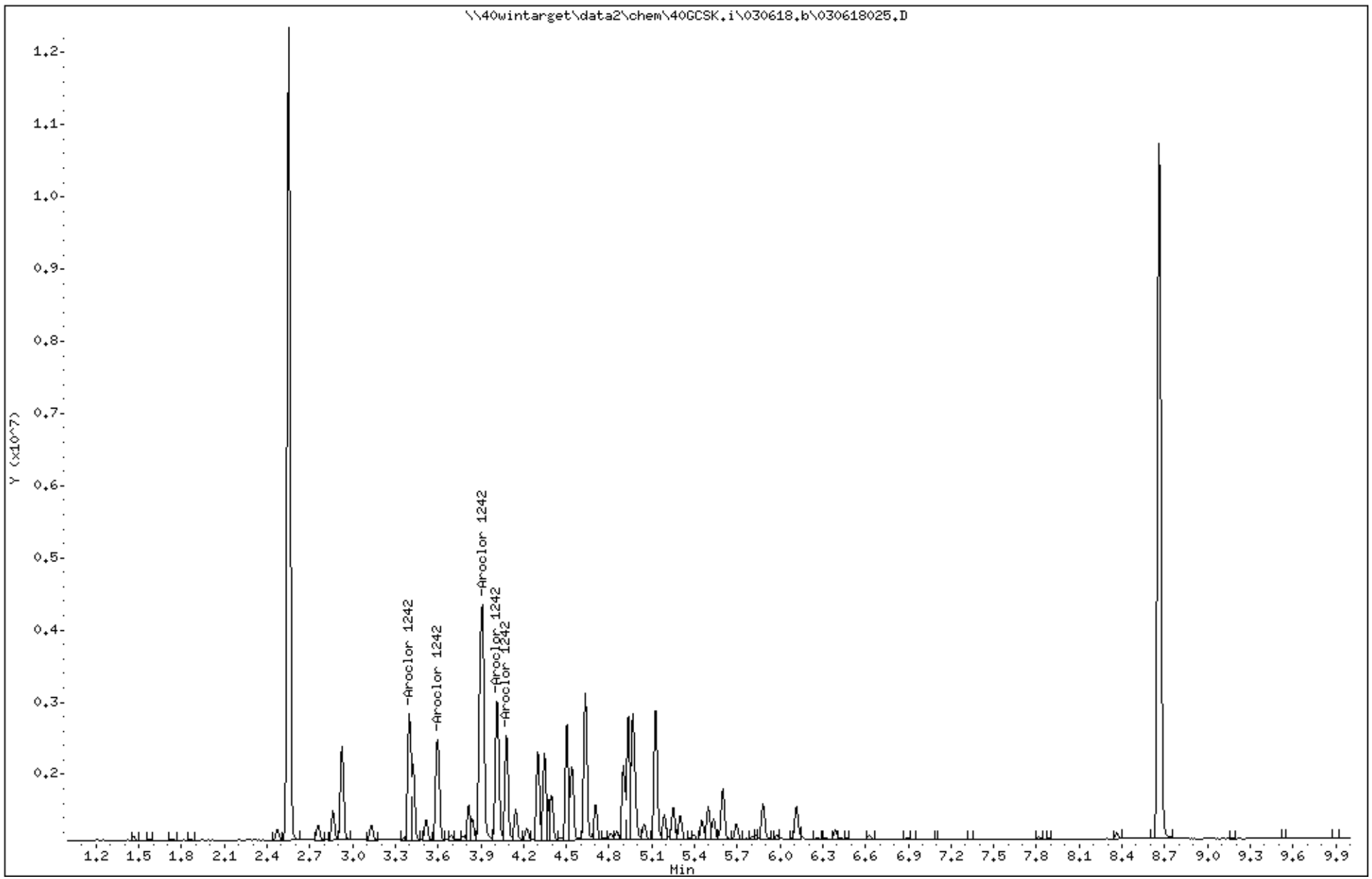
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618025.D
Date : 06-MAR-2018 14:16
Client ID: 1242-CAL4B
Sample Info: 1242-CAL4B, 185545:1

Instrument: 40GCSK.i

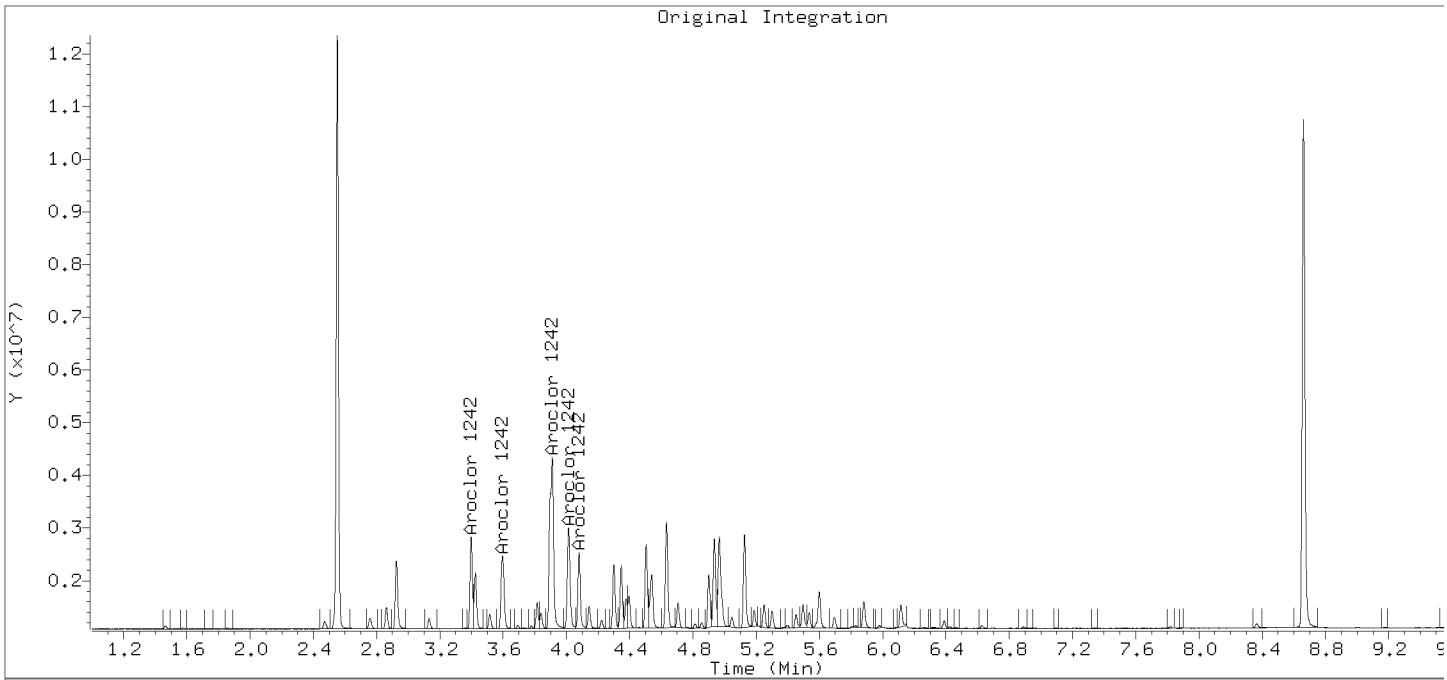
Operator: BLM

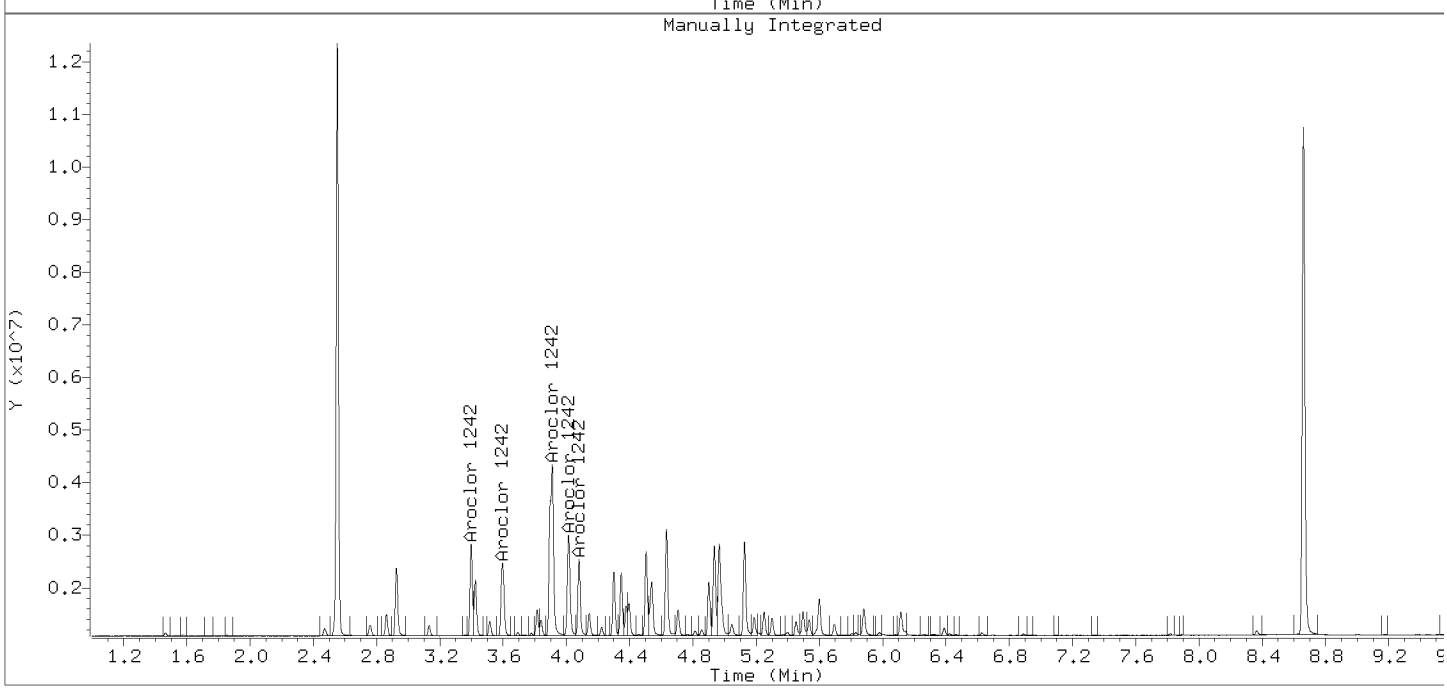
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618025.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:16 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CAL4B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1867762	1881321	BA
Aroclor 1242	1867762	1881321	BA
Aroclor 1242	1867762	1881321	BA
Aroclor 1242	1867762	1881321	BA
Aroclor 1242	1867762	1881321	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618027.D
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 06-MAR-2018 14:32
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal5b, 185546:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 14:32 Cal File: 030618027.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
1.466	94877	90304	0.952	0.10		
1.582	40906	35332	0.864	0.04		
1.732	12497	12656	1.013	0.01		
1.854	25989	22546	0.868	0.02		
2.472	213886	173573	0.812	0.24		
2.552	16851378	16720202	0.992	19.05		
2.638	28008	17337	0.619	0.03		
2.758	312394	251946	0.807	0.35		
2.862	569359	540129	0.949	0.64		
2.925	1753552	1573133	0.897	1.98		
3.133	258898	242374	0.936	0.29		
3.360	37604	27808	0.740	0.04		
3.398	2317497	2177213	0.939	2.62	3 Aroclor 1242	BA
3.425	1452569	1277071	0.879	1.64		
3.516	394110	350673	0.890	0.44		
3.596	2378643	1714342	0.721	2.68	3 Aroclor 1242	BA
3.694	101317	96284	0.950	0.11		
3.729	38202	27095	0.709	0.04		
3.781	66954	63846	0.954	0.07		
3.815	619647	605898	0.978	0.70		
3.840	417867	383199	0.917	0.47		
3.911	7113608	4050915	0.569	8.04	3 Aroclor 1242	BA
4.014	3001773	2427600	0.809	3.39	3 Aroclor 1242	BA
4.080	2026606	1826685	0.901	2.29	3 Aroclor 1242	BA
4.145	612590	534733	0.873	0.69		
4.224	231121	204324	0.884	0.26		
4.300	1629354	1507871	0.925	1.84		
4.347	1584950	1476174	0.931	1.79		
4.379	672650	692309	1.029	0.76		
4.396	881543	780952	0.886	0.99		
4.459	61985	39019	0.629	0.07		
4.504	2149386	2012573	0.936	2.43		
4.539	1813242	1268193	0.699	2.05		
4.634	2897521	2533852	0.874	3.27		
4.706	685723	617502	0.901	0.77		
4.766	59523	37463	0.629	0.06		
4.814	140371	116674	0.831	0.15		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.856	165921	147769	0.891	0.18	
4.901	1374135	1290444	0.939	1.55	
4.936	2339697	2145840	0.917	2.64	
4.966	3104599	2198650	0.708	3.51	
5.046	396685	268401	0.677	0.44	
5.127	2562049	2277092	0.889	2.89	
5.188	569008	438169	0.770	0.64	
5.250	641986	552526	0.861	0.72	
5.300	504366	432310	0.857	0.57	
5.374	40250	36661	0.911	0.04	
5.398	115643	89548	0.774	0.13	
5.453	405116	331373	0.818	0.45	
5.496	682430	588259	0.862	0.77	
5.535	462102	383519	0.830	0.52	
5.599	1160797	879952	0.758	1.31	
5.695	329556	289929	0.880	0.37	
5.764	33685	23153	0.687	0.03	
5.807	65597	52071	0.794	0.07	
5.830	94100	77887	0.828	0.10	
5.881	837867	651239	0.777	0.94	
5.979	124114	74174	0.598	0.14	
6.083	27188	23687	0.871	0.03	
6.115	679970	587759	0.864	0.76	
6.142	146143	113600	0.777	0.16	
6.259	58926	40884	0.694	0.06	
6.316	52181	31058	0.595	0.05	
6.388	218618	182581	0.835	0.24	
6.421	54187	42460	0.784	0.06	
6.466	39196	29103	0.743	0.04	
6.627	91090	69398	0.762	0.10	
6.698	18835	12219	0.649	0.02	
6.892	45494	42195	0.927	0.05	
6.932	14021	11192	0.798	0.01	
7.094	21930	18437	0.841	0.02	
7.214	15675	11220	0.716	0.01	
7.338	14159	12595	0.890	0.01	
7.816	53129	42631	0.802	0.06	
7.892	26230	20101	0.766	0.02	
8.365	140805	116266	0.826	0.15	
8.466	12010	10531	0.877	0.01	
8.661	17134382	14524481	0.848	19.69	
9.177	27345	18378	0.672	0.03	
	88449317	75719542		100.000	

Total unknown % area = 81

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618027.D
Lab Smp Id: 1242-CAL5B Client Smp ID: 1242-CAL5B
Inj Date : 06-MAR-2018 14:32
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-cal5b, 185546:1
Misc Info : 17499,NSAR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 14:32 Cal File: 030618027.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			
3.398	3.398	0.000	2317496	1.00000	0.91	0.00- 20.00	100.00(M)	BA
3.596	3.596	0.000	2378643	1.00000	0.93	0.00- 20.00	102.64	BA
3.911	3.910	0.001	7113608	1.00000	0.93	0.00- 20.00	306.95	BA
4.013	4.013	0.000	3001772	1.00000	0.93	0.00- 20.00	129.53	BA
4.079	4.080	-0.001	2026605	1.00000	0.93	0.00- 20.00	87.45	BA
Average of Peak Amounts =					0.92600			

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\40GCSK.i\030618.b\030618027.D

Date : 06-MAR-2018 14:32

Client ID: 1242-CAL5B

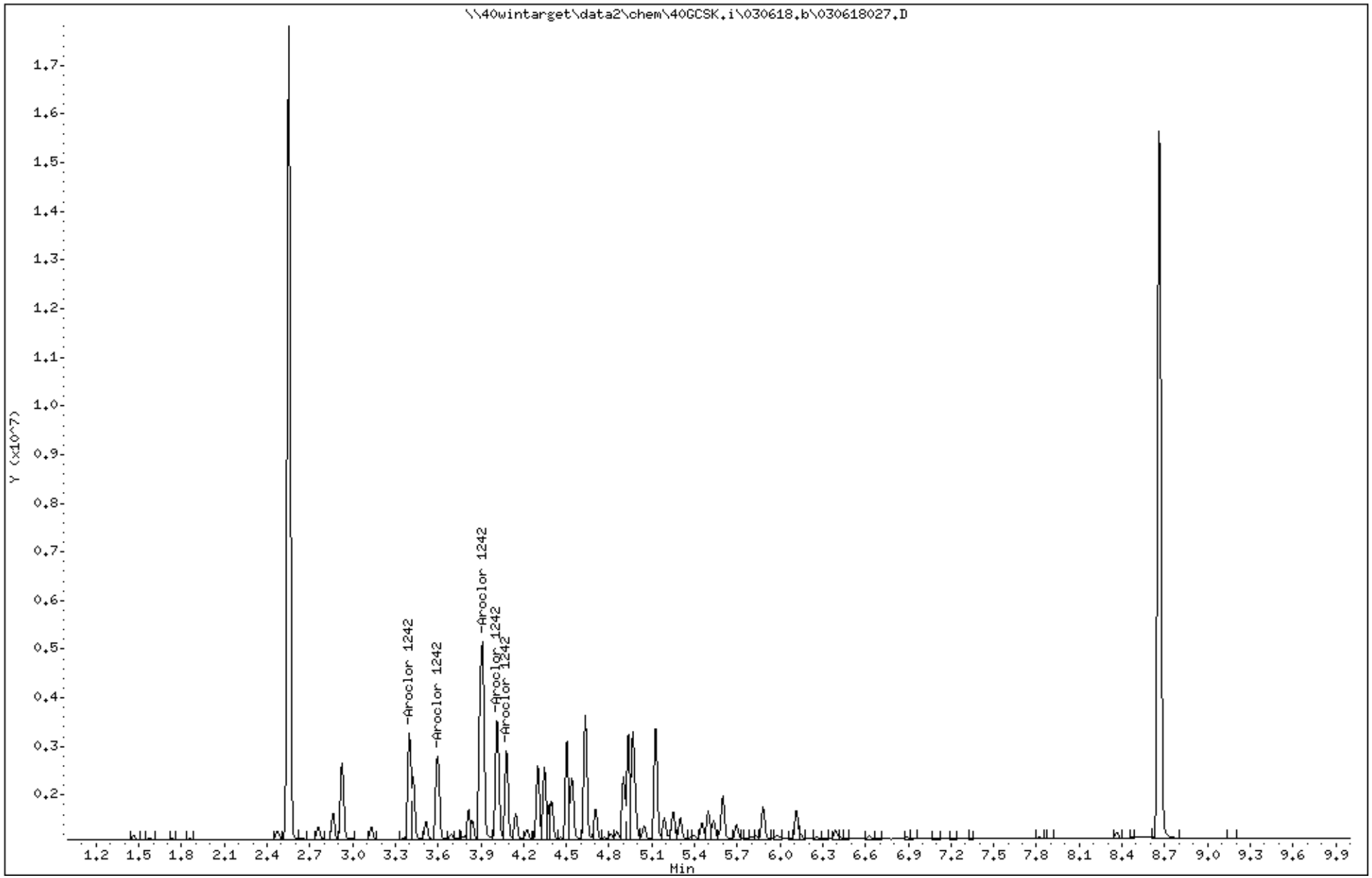
Instrument: 40GCSK.i

Sample Info: 1242-CAL5B, 185546:1

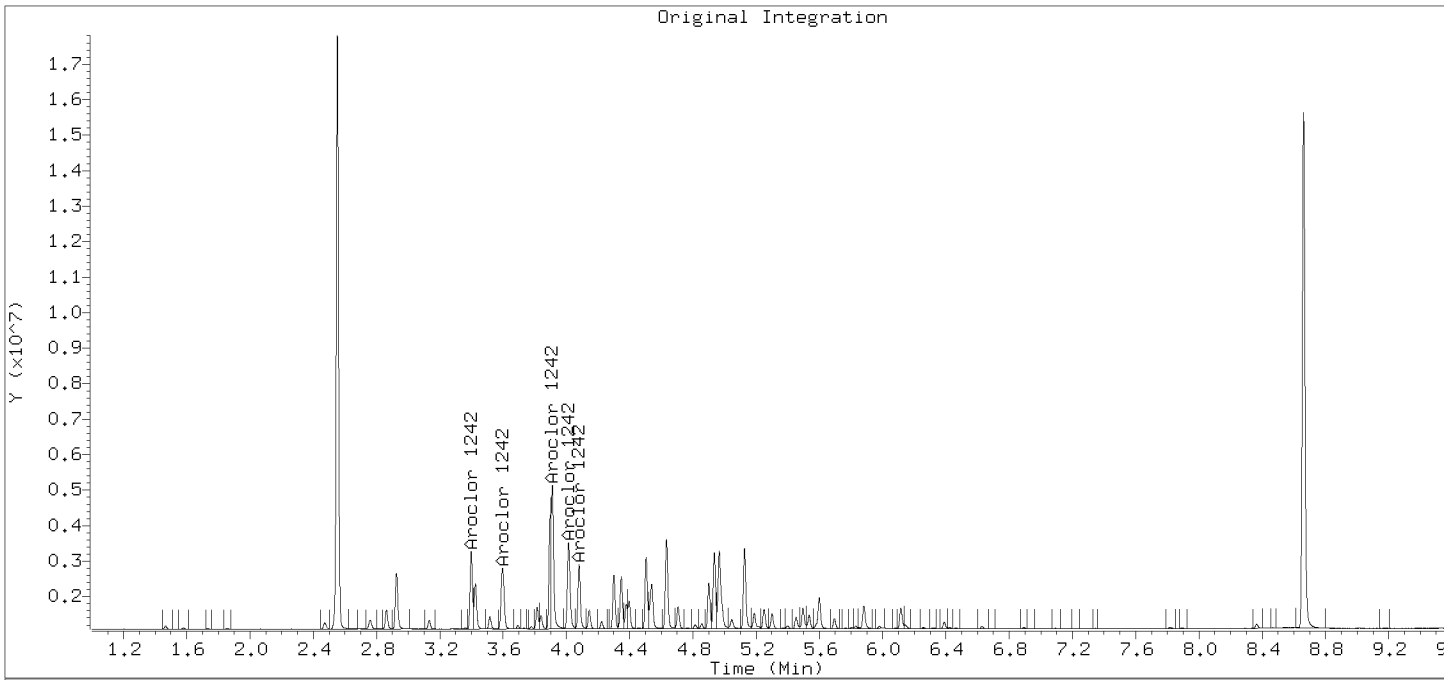
Operator: BLM

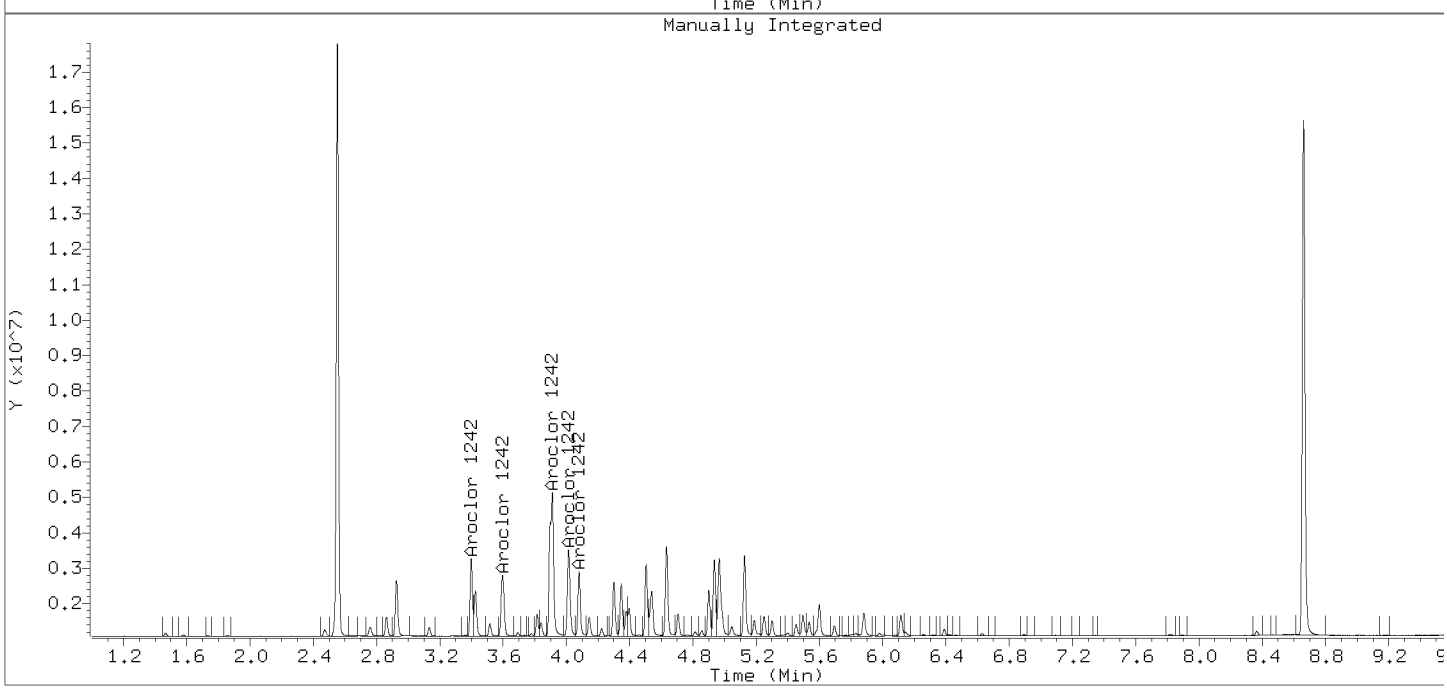
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618027.D (ManInt: NSAR1242.sub Orig: NSAR1242.sub)
Injection Date: 06-MAR-2018 14:32 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CAL5B





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	2302445	2317496	BA
Aroclor 1242	2302445	2317496	BA
Aroclor 1242	2302445	2317496	BA
Aroclor 1242	2302445	2317496	BA
Aroclor 1242	2302445	2317496	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618031.D
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 06-MAR-2018 15:04
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal1d, 188134:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:04 Cal File: 030618031.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
2.551	1235708	1269738	1.028	12.43		
2.859	27375	24321	0.888	0.27		
2.927	43904	35792	0.815	0.44		
3.131	12945	13834	1.069	0.13		
3.397	151956	145743	0.959	1.52		
3.425	63566	62549	0.984	0.63		
3.516	19398	14888	0.768	0.19		
3.597	132651	95326	0.719	1.33		
3.817	26455	25585	0.967	0.26		
3.899	440288	262983	0.597	4.42		
4.015	200281	145591	0.727	2.01		
4.080	136070	114906	0.844	1.36		
4.144	79390	72444	0.913	0.79		
4.221	33502	29881	0.892	0.33		
4.300	336206	317415	0.944	3.38		
4.347	268261	252178	0.940	2.69	6 Aroclor 1248	BA
4.379	109219	111642	1.022	1.09		
4.395	129414	115772	0.895	1.30		
4.505	402450	390424	0.970	4.04		
4.539	212163	176538	0.832	2.13		
4.633	485221	432497	0.891	4.88	6 Aroclor 1248	BA
4.707	114629	98286	0.857	1.15		
4.815	17004	15275	0.898	0.17		
4.854	27105	23557	0.869	0.27		
4.901	222154	209169	0.942	2.23	6 Aroclor 1248	BA
4.935	454113	415219	0.914	4.56		
4.966	608277	365819	0.601	6.11	6 Aroclor 1248	BA
5.045	81157	59823	0.737	0.81		
5.127	408574	354395	0.867	4.10	6 Aroclor 1248	BA
5.189	161229	123789	0.768	1.62		
5.249	185169	157601	0.851	1.86		
5.301	140581	113892	0.810	1.41		
5.397	31023	24631	0.794	0.31		
5.453	115050	94835	0.824	1.15		
5.496	181956	160262	0.881	1.83		
5.534	124123	99361	0.801	1.24		
5.599	315561	247565	0.785	3.17		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.695	93988	77152	0.821	0.94	
5.761	15713	12797	0.814	0.15	
5.828	22716	21138	0.931	0.22	
5.880	213721	157973	0.739	2.14	
5.977	33687	18695	0.555	0.33	
6.115	203697	134160	0.659	2.04	
6.259	23177	14958	0.645	0.23	
6.389	56071	46853	0.836	0.56	
6.597	10851	10800	0.995	0.10	
6.628	25583	18711	0.731	0.25	
6.892	10092	8746	0.867	0.10	
7.097	19470	15712	0.807	0.19	
8.363	17136	12896	0.753	0.17	
8.661	1441425	1216618	0.844	14.78	
9.530	19665	12295	0.625	0.19	
	9941119	8453030		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618031.D
Lab Smp Id: 1248-CAL1D Client Smp ID: 1248-CAL1D
Inj Date : 06-MAR-2018 15:04
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal1d, 188134:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:04 Cal File: 030618031.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			
4.347	4.347	0.000	268260	0.10000	0.11	0.00- 20.00	100.00(M)	BA
4.633	4.632	0.001	485220	0.10000	0.11	0.00- 20.00	180.88	BA
4.901	4.900	0.001	222154	0.10000	0.10	0.00- 20.00	82.81	BA
4.966	4.967	-0.001	608277	0.10000	0.11	0.00- 20.00	226.75	BA
5.127	5.127	0.000	408574	0.10000	0.10	0.00- 20.00	152.31	BA
Average of Peak Amounts =					0.10600			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

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

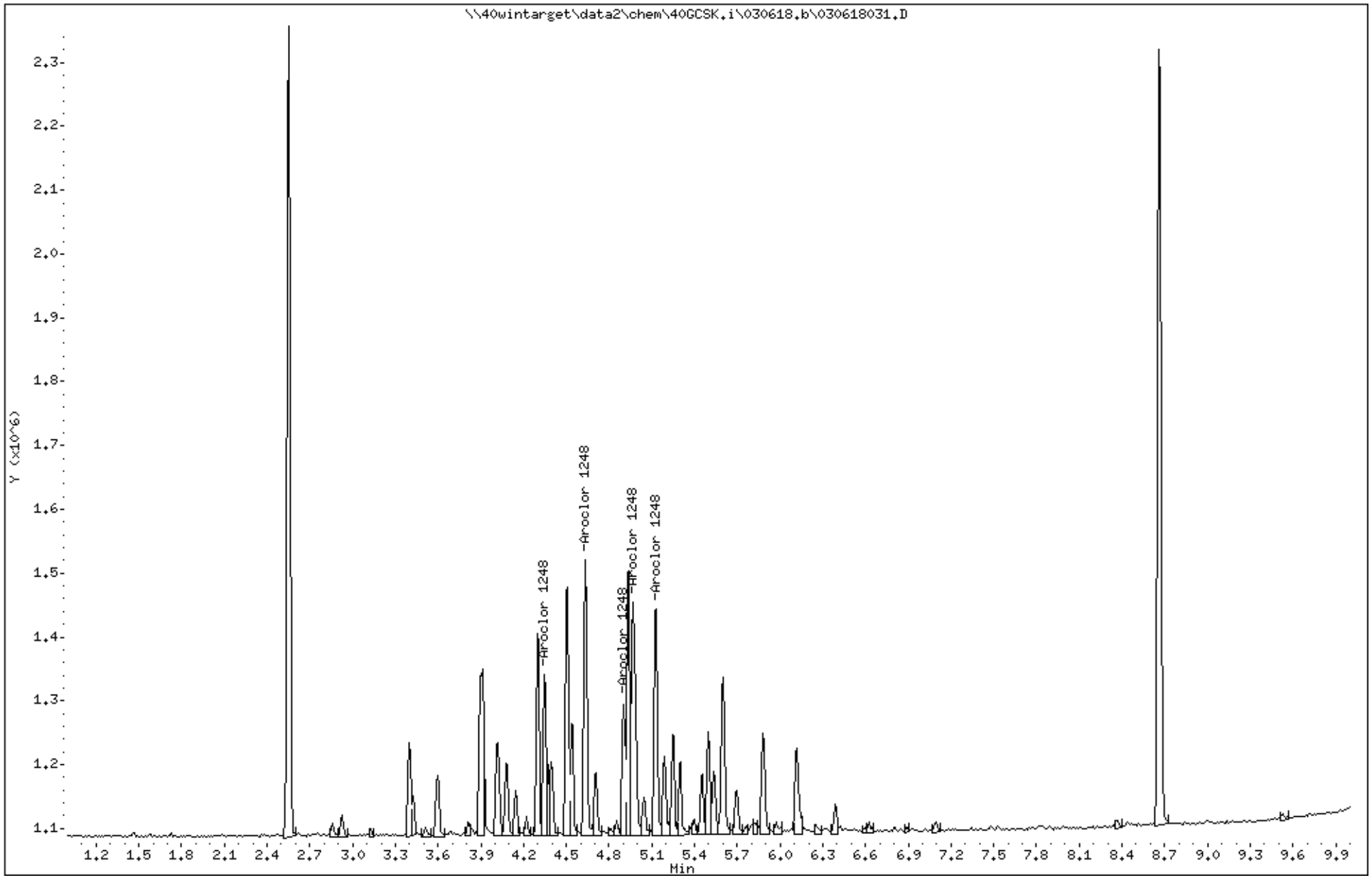
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618031.D
Date : 06-MAR-2018 15:04
Client ID: 1248-CAL1D
Sample Info: 1248-CAL1D, 188134:1

Instrument: 40GCSK.i

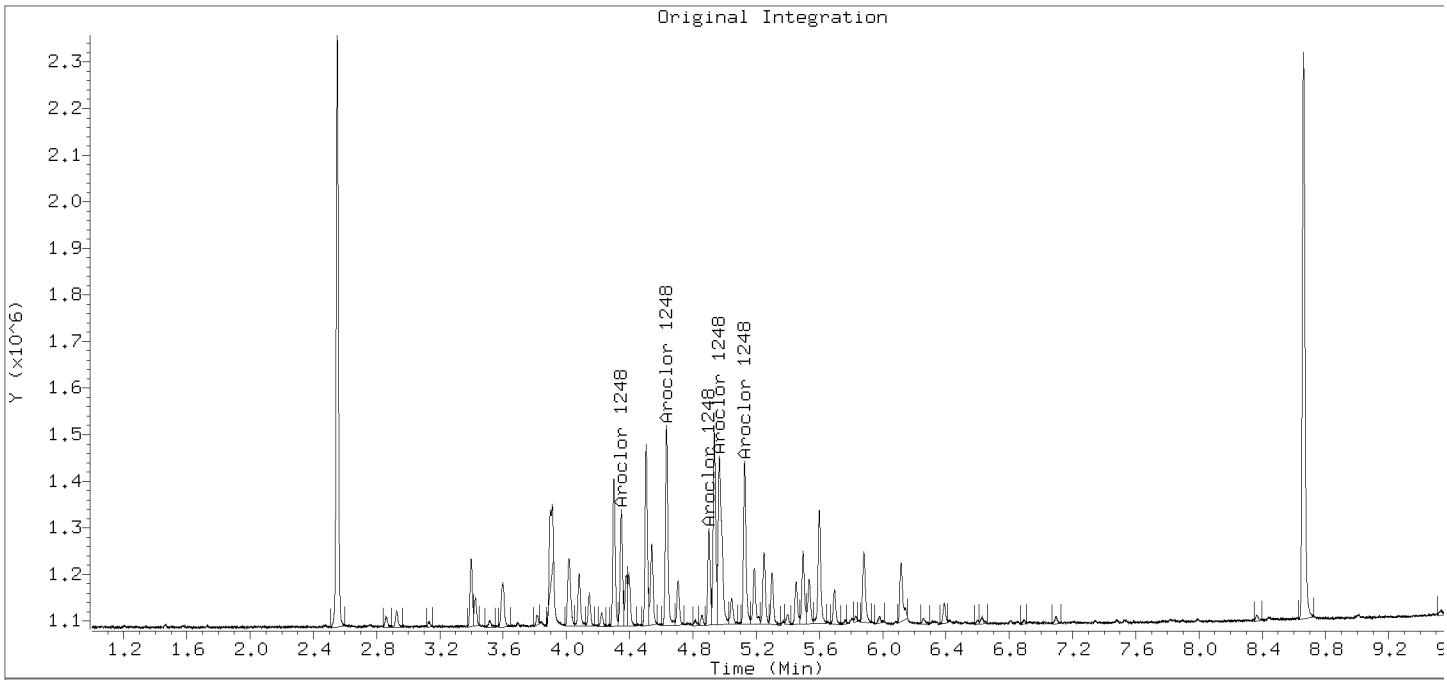
Operator: BLM

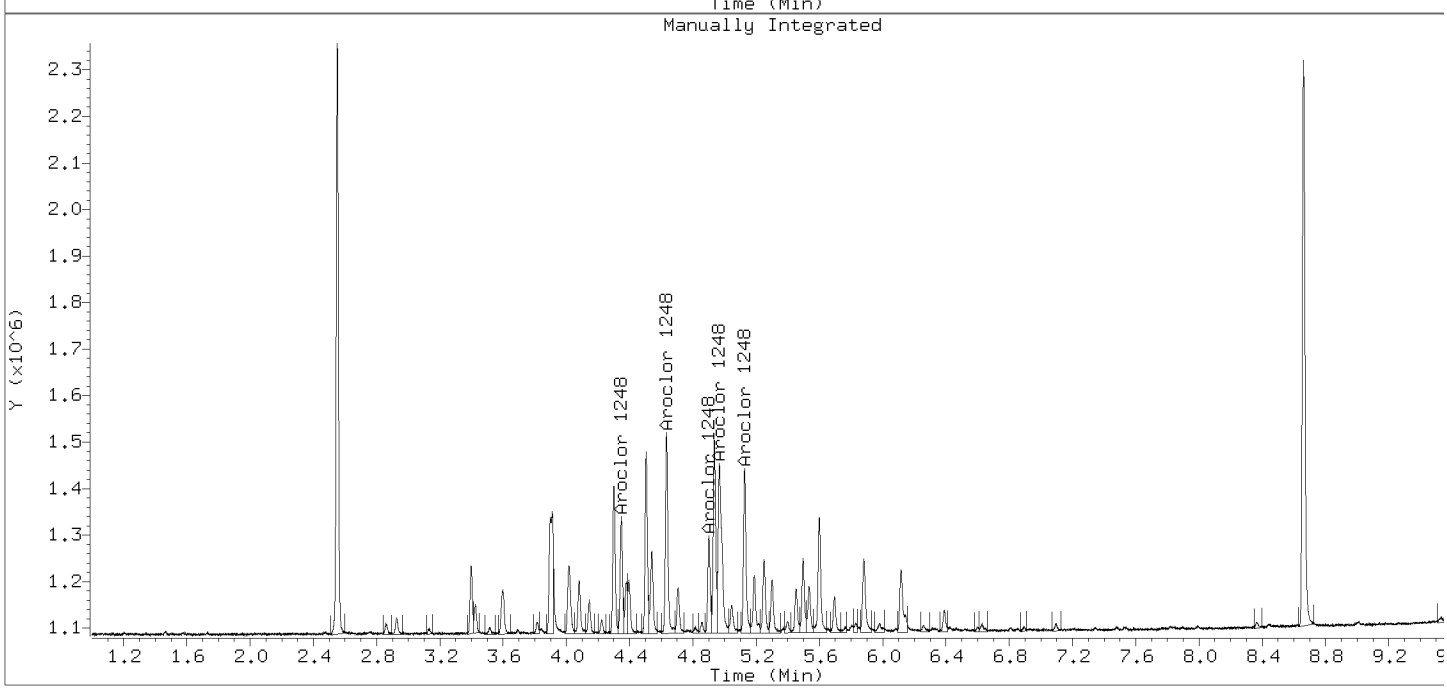
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618031.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:04 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CAL1D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	266459	268260	BA
Aroclor 1248	266459	268260	BA
Aroclor 1248	266459	268260	BA
Aroclor 1248	266459	268260	BA
Aroclor 1248	266459	268260	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618033.D
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 06-MAR-2018 15:21
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal2d, 185548:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:21 Cal File: 030618033.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
1.462	15124	15517	1.026	0.07		
2.467	12710	7619	0.599	0.06		
2.551	2383253	2393074	1.004	12.18		
2.759	23364	13536	0.579	0.11		
2.861	51569	45911	0.890	0.26		
2.925	82697	71178	0.861	0.42		
3.131	21469	22234	1.036	0.10		
3.397	293616	287677	0.980	1.50		
3.424	129924	121607	0.936	0.66		
3.518	32476	24212	0.746	0.16		
3.598	247811	180568	0.729	1.26		
3.690	14606	14581	0.998	0.07		
3.815	51619	53292	1.032	0.26		
3.836	26896	23512	0.874	0.13		
3.897	432853	505759	1.168	2.21		
3.910	594442	531123	0.893	3.04		
4.016	390953	281841	0.721	1.99		
4.079	255097	225909	0.886	1.30		
4.144	153928	143001	0.929	0.78		
4.223	62842	56143	0.893	0.32		
4.299	659410	624443	0.947	3.37		
4.346	523336	502710	0.961	2.67	6 Aroclor 1248	BA
4.378	203761	217604	1.068	1.04		
4.395	251772	218089	0.866	1.28		
4.504	792726	770786	0.972	4.05		
4.540	405832	341322	0.841	2.07		
4.633	946673	835001	0.882	4.84	6 Aroclor 1248	BA
4.706	219554	192169	0.875	1.12		
4.765	14435	11979	0.830	0.07		
4.815	29769	21600	0.726	0.15		
4.856	48897	44287	0.906	0.25		
4.900	441567	419131	0.949	2.25	6 Aroclor 1248	BA
4.935	890313	837894	0.941	4.55		
4.968	1182144	750547	0.635	6.04	6 Aroclor 1248	BA
5.046	159797	113114	0.708	0.81		
5.127	816566	710365	0.870	4.17	6 Aroclor 1248	BA
5.186	307149	233696	0.761	1.57		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.250	349013	299741	0.859	1.78	
5.300	257086	221776	0.863	1.31	
5.372	17878	18721	1.047	0.09	
5.397	58280	46650	0.800	0.29	
5.452	224340	184933	0.824	1.14	
5.496	350432	302721	0.864	1.79	
5.535	233606	192997	0.826	1.19	
5.599	607420	496449	0.817	3.10	
5.693	181269	151952	0.838	0.92	
5.763	26311	18691	0.710	0.13	
5.805	34733	30210	0.870	0.17	
5.829	49775	39550	0.795	0.25	
5.880	437317	318766	0.729	2.23	
5.978	64516	35543	0.551	0.32	
6.115	331941	276803	0.834	1.69	
6.143	84400	67895	0.804	0.43	
6.258	39866	27494	0.690	0.20	
6.389	108593	88731	0.817	0.55	
6.422	27417	19559	0.713	0.14	
6.464	18743	15013	0.801	0.09	
6.597	20540	18584	0.905	0.10	
6.625	49950	30540	0.611	0.25	
6.809	19882	16384	0.824	0.10	
6.889	18821	14901	0.792	0.09	
7.095	32707	31803	0.972	0.16	
7.341	12747	12035	0.944	0.06	
7.477	12869	14600	1.135	0.06	
7.993	13209	12933	0.979	0.06	
8.365	25618	22185	0.866	0.13	
8.439	9584	8178	0.853	0.04	
8.661	2598569	2124078	0.817	13.65	
9.003	25087	17869	0.712	0.12	
9.529	38728	25445	0.657	0.19	
	19552193	17066761		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618033.D
Lab Smp Id: 1248-CAL2D Client Smp ID: 1248-CAL2D
Inj Date : 06-MAR-2018 15:21
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal2d, 185548:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:21 Cal File: 030618033.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			
4.345	4.347	-0.002	523335	0.20000	0.21	0.00- 20.00	100.00(M)	BA
4.633	4.632	0.001	946672	0.20000	0.21	0.00- 20.00	180.89	BA
4.900	4.900	0.000	441567	0.20000	0.20	0.00- 20.00	84.38	BA
4.967	4.967	0.000	1182144	0.20000	0.21	0.00- 20.00	225.89	BA
5.126	5.127	-0.001	816565	0.20000	0.21	0.00- 20.00	156.03	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\40GCSK.i\030618.b\030618033.D

Date : 06-MAR-2018 15:21

Client ID: 1248-CAL2D

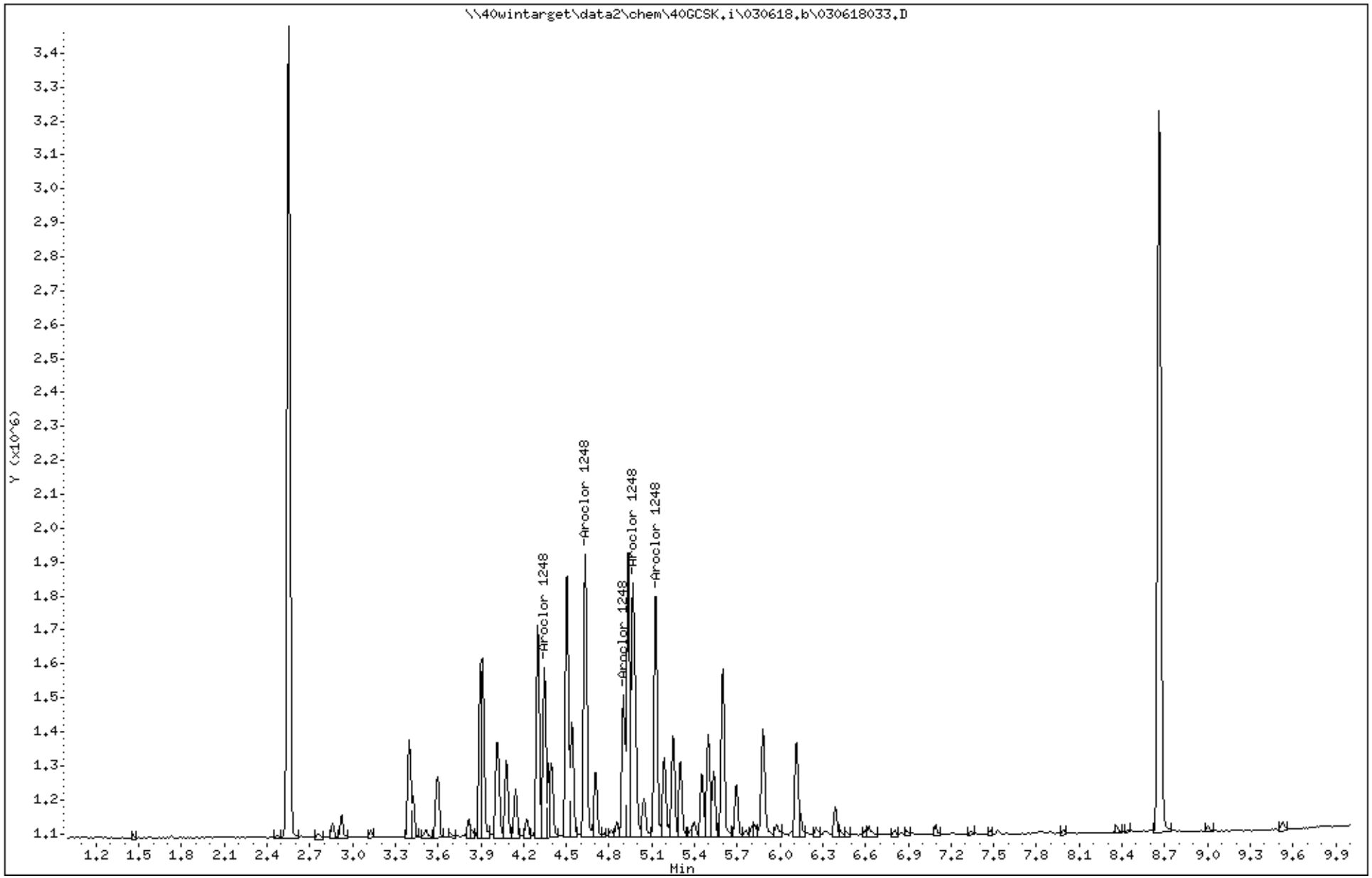
Instrument: 40GCSK.i

Sample Info: 1248-CAL2D, 185548:1

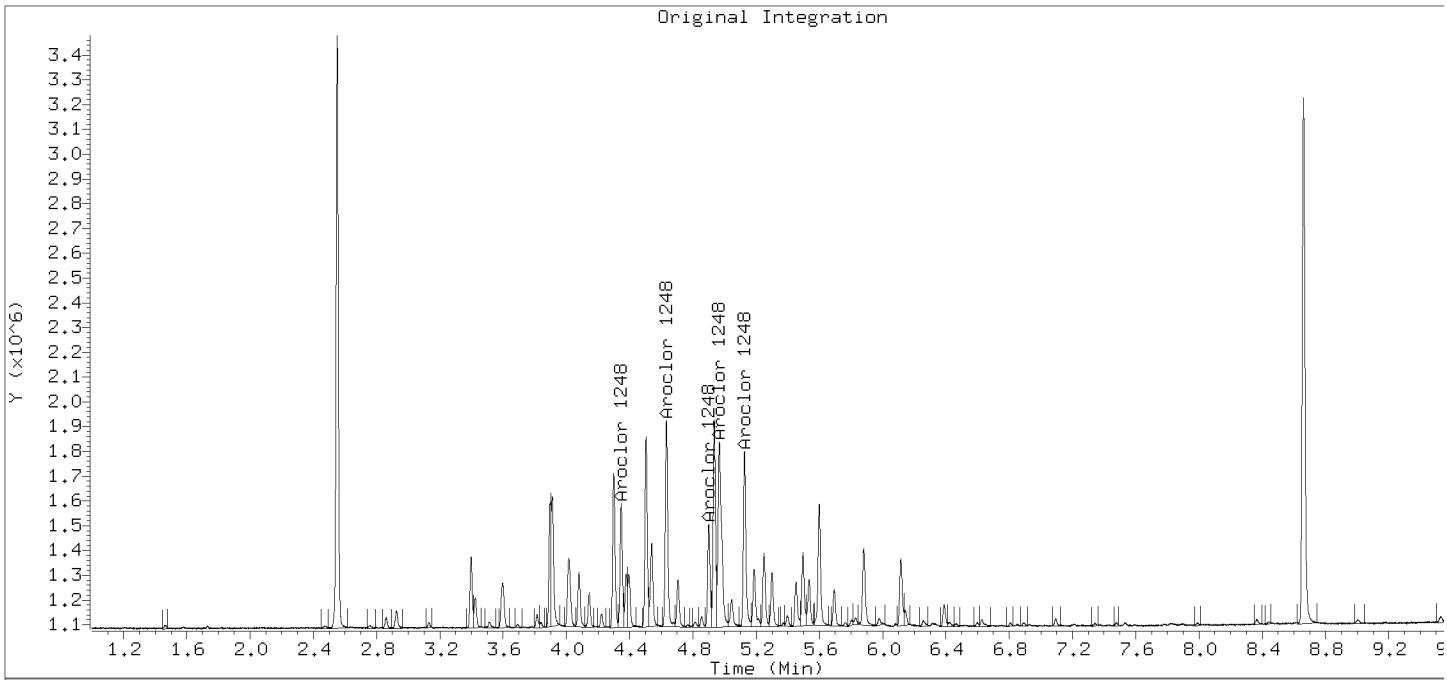
Operator: BLM

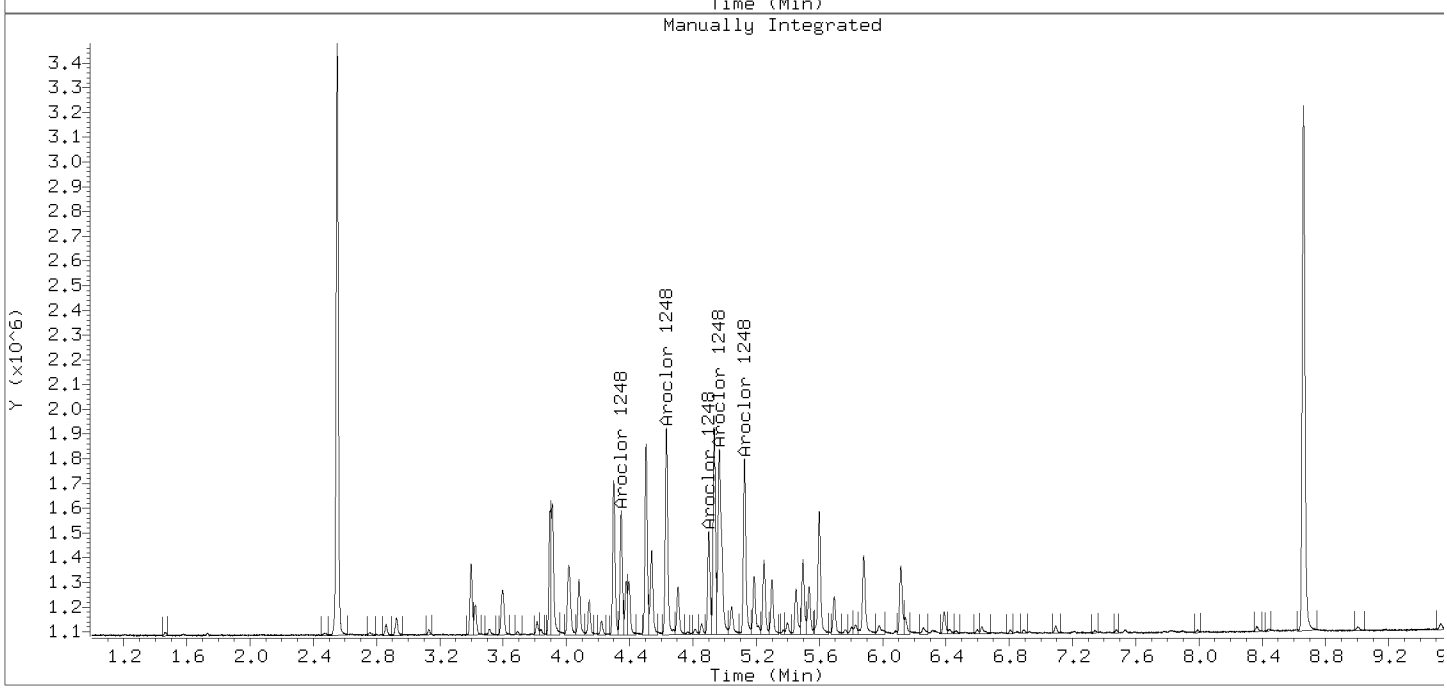
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618033.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:21 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CAL2D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	519085	523335	BA
Aroclor 1248	519085	523335	BA
Aroclor 1248	519085	523335	BA
Aroclor 1248	519085	523335	BA
Aroclor 1248	519085	523335	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618035.D
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 06-MAR-2018 15:37
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal3d, 185549:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:37 Cal File: 030618035.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
1.205	42643	38054	0.892	0.08		
1.464	36141	36504	1.010	0.07		
1.578	14775	15278	1.034	0.03		
1.729	19115	20140	1.054	0.04		
2.061	30861	23828	0.772	0.06		
2.468	21878	16727	0.765	0.04		
2.551	5875371	5890409	1.003	12.38		
2.758	33693	25054	0.744	0.07		
2.861	112246	107326	0.956	0.23		
2.926	185659	168033	0.905	0.39		
3.092	18251	12275	0.673	0.03		
3.132	60158	54497	0.906	0.12		
3.397	715518	708234	0.990	1.50		
3.425	316144	286089	0.905	0.66		
3.516	62437	56807	0.910	0.13		
3.597	594865	455926	0.766	1.25		
3.692	32377	33152	1.024	0.06		
3.815	123791	124309	1.004	0.26		
3.841	73455	54233	0.738	0.15		
3.897	1086364	1230745	1.133	2.29		
3.910	1393507	1299115	0.932	2.93		
4.015	939391	712245	0.758	1.98		
4.080	633665	577548	0.911	1.33		
4.144	372442	335908	0.902	0.78		
4.222	145433	133164	0.916	0.30		
4.300	1542101	1448213	0.939	3.25		
4.346	1246476	1171392	0.940	2.62	6 Aroclor 1248	BA
4.378	524205	535389	1.021	1.10		
4.396	585714	526889	0.900	1.23		
4.504	1867221	1781136	0.954	3.93		
4.539	990214	816680	0.825	2.08		
4.633	2178207	1981695	0.910	4.59	6 Aroclor 1248	BA
4.678	47242	42284	0.895	0.09		
4.705	510611	463949	0.909	1.07		
4.768	35651	23591	0.662	0.07		
4.812	61276	47734	0.779	0.12		
4.855	115484	107013	0.927	0.24		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.901	1091823	1026129	0.940	2.30	6 Aroclor 1248
4.935	2120517	1952875	0.921	4.47	
4.966	2822529	1797128	0.637	5.95	6 Aroclor 1248
5.045	355268	268304	0.755	0.74	
5.126	1980078	1790516	0.904	4.17	6 Aroclor 1248
5.188	724208	563119	0.778	1.52	
5.249	841222	743946	0.884	1.77	
5.300	623396	538578	0.864	1.31	
5.372	43192	40833	0.945	0.09	
5.397	133185	110885	0.833	0.28	
5.452	529992	452231	0.853	1.11	
5.496	887942	760213	0.856	1.87	
5.535	550407	489929	0.890	1.16	
5.599	1504678	1199905	0.797	3.17	
5.694	429502	374934	0.873	0.90	
5.763	61342	47081	0.768	0.12	
5.804	81600	65691	0.805	0.17	
5.828	110963	93664	0.844	0.23	
5.850	35337	43175	1.222	0.07	
5.881	1035982	827588	0.799	2.18	
5.978	114558	86392	0.754	0.24	
6.000	57896	38623	0.667	0.12	
6.084	35941	30497	0.849	0.07	
6.114	856754	745279	0.870	1.80	
6.143	196088	152286	0.777	0.41	
6.256	94269	60286	0.640	0.19	
6.318	56545	33177	0.587	0.11	
6.389	259919	219977	0.846	0.54	
6.424	54268	44739	0.824	0.11	
6.466	44602	32916	0.738	0.09	
6.515	31540	20539	0.651	0.06	
6.600	45157	42748	0.947	0.09	
6.626	100898	71871	0.712	0.21	
6.807	42318	37480	0.886	0.08	
6.850	23863	19640	0.823	0.05	
6.892	50172	40041	0.798	0.10	
6.934	20818	15106	0.726	0.04	
7.092	82334	68721	0.835	0.17	
7.198	9829	9322	0.948	0.02	
7.341	22474	23926	1.065	0.04	
7.478	36428	29466	0.809	0.07	
7.533	36867	31053	0.842	0.07	
7.780	17227	12945	0.751	0.03	
7.819	22205	23007	1.036	0.04	
7.839	29867	19370	0.649	0.06	
7.889	18529	13687	0.739	0.03	
7.990	38756	29289	0.756	0.08	
8.365	65025	52336	0.805	0.13	
8.443	21895	16132	0.737	0.04	
8.661	6285363	5280241	0.840	13.68	
9.006	28542	19161	0.671	0.06	
9.531	21483	18049	0.840	0.04	
	47430175	41886591		100.000	

Total unknown % area = 80

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618035.D
Lab Smp Id: 1248-CAL3D Client Smp ID: 1248-CAL3D
Inj Date : 06-MAR-2018 15:37
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal3d, 185549:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:37 Cal File: 030618035.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			
4.346	4.347	-0.001	1246475	0.50000	0.50	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	2178206	0.50000	0.49	0.00- 20.00	174.75	BA
4.900	4.900	0.000	1091823	0.50000	0.51	0.00- 20.00	87.59	BA
4.966	4.967	-0.001	2822528	0.50000	0.50	0.00- 20.00	226.44	BA
5.126	5.127	-0.001	1980078	0.50000	0.50	0.00- 20.00	158.85	BA
Average of Peak Amounts =					0.50000			

QC Flag Legend

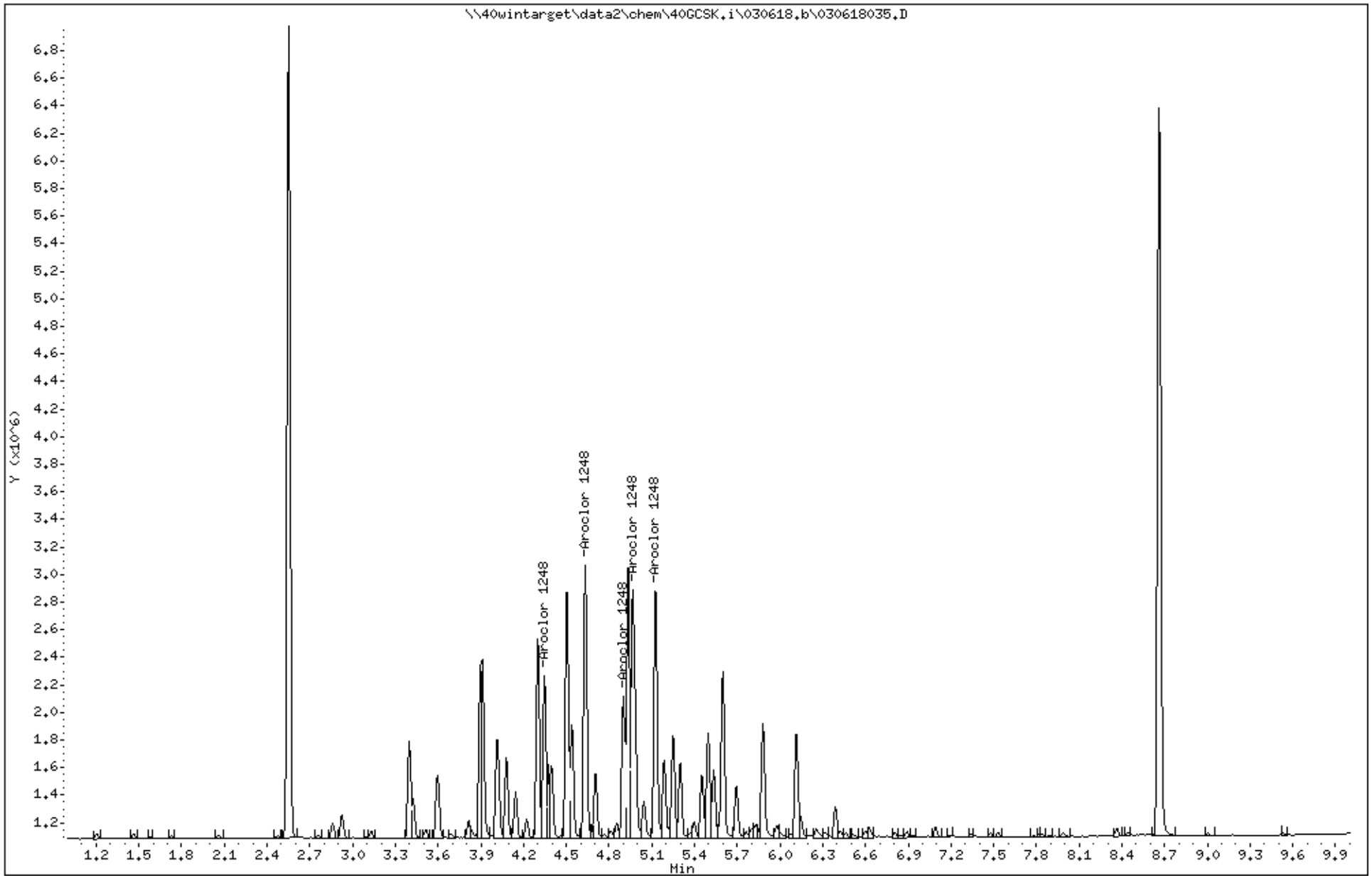
M - Compound response manually integrated.

Review Codes Legend

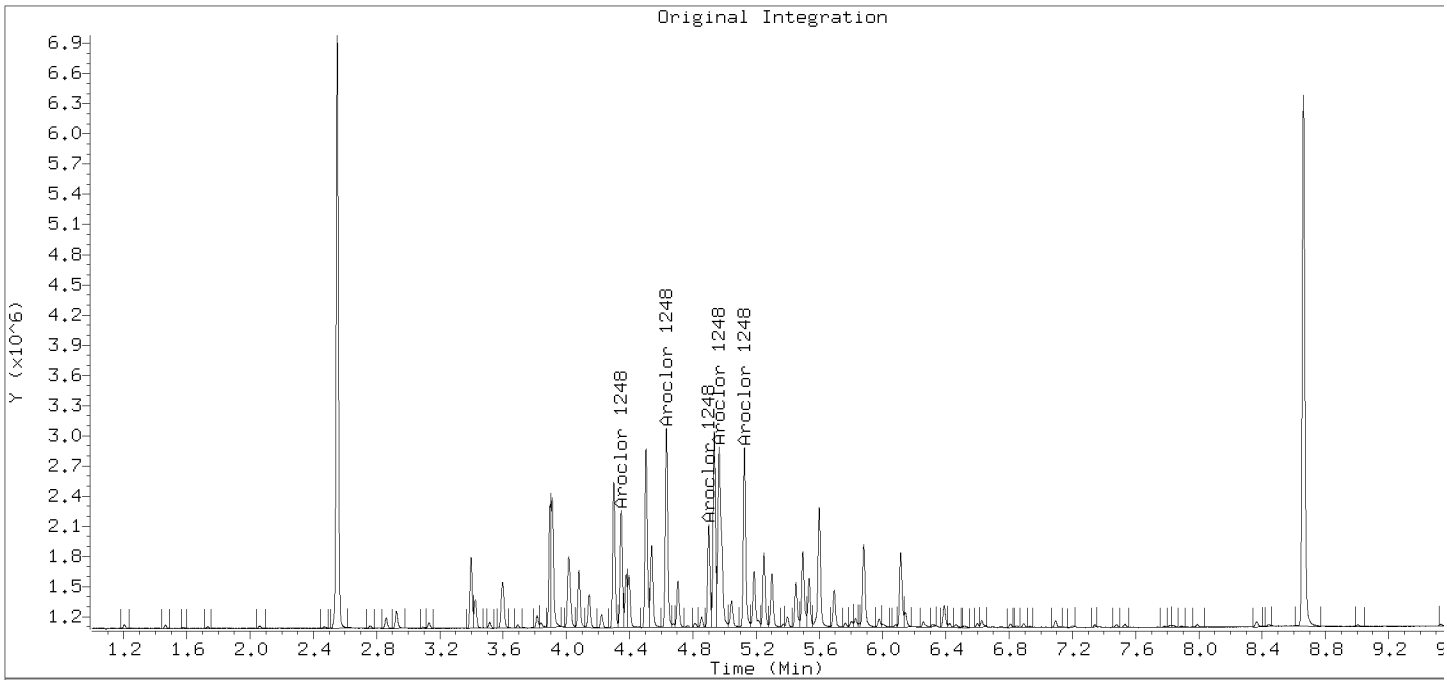
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

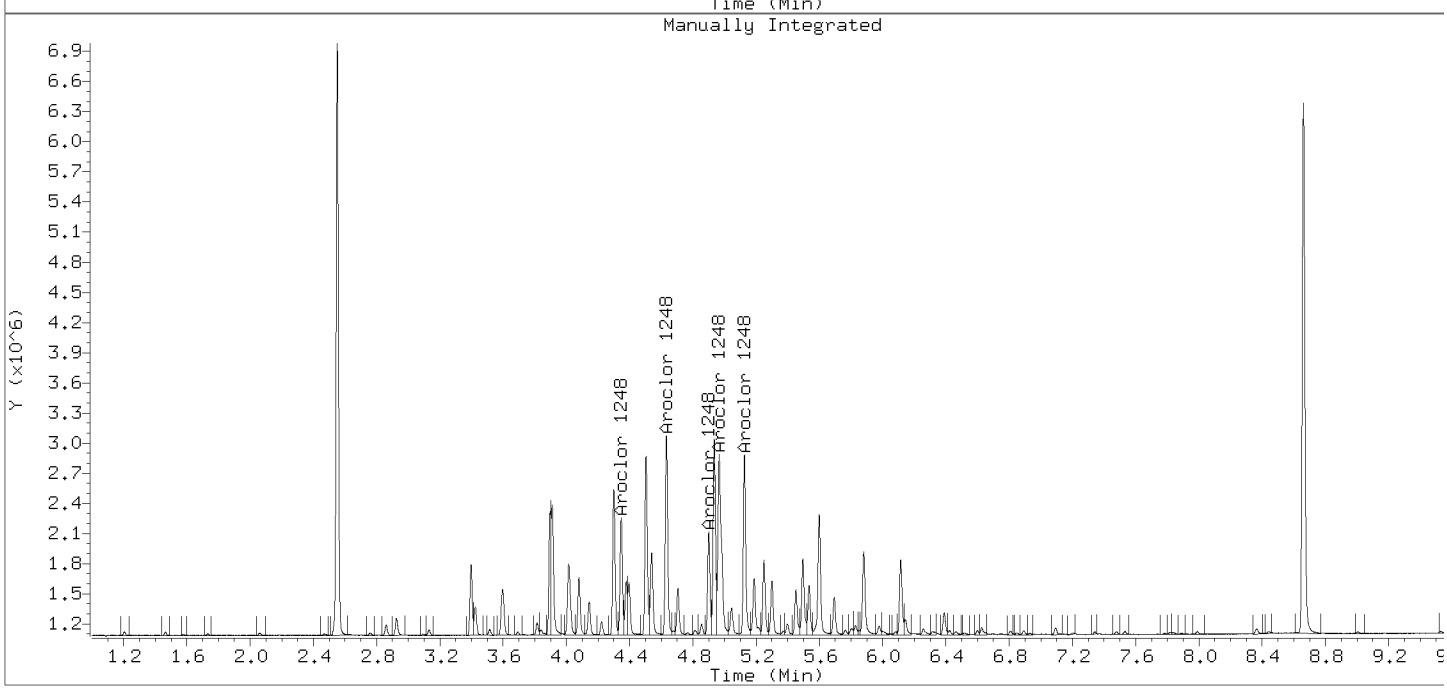
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618035.D
Date : 06-MAR-2018 15:37
Client ID: 1248-CAL3D
Sample Info: 1248-CAL3D, 185549:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618035.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:37 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CAL3D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1228199	1246475	BA
Aroclor 1248	1228199	1246475	BA
Aroclor 1248	1228199	1246475	BA
Aroclor 1248	1228199	1246475	BA
Aroclor 1248	1228199	1246475	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618037.D
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 06-MAR-2018 15:53
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal4d, 185550:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 15:53 Cal File: 030618037.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
1.466	64226	63073	0.982	0.08		
1.578	27002	26014	0.963	0.03		
1.733	14101	14026	0.995	0.01		
2.470	36909	27317	0.740	0.04		
2.551	11512250	11560760	1.004	15.04		
2.638	15014	11145	0.742	0.01		
2.761	43429	33469	0.771	0.05		
2.860	200264	191358	0.956	0.26		
2.926	284270	253288	0.891	0.37		
3.131	93727	86463	0.923	0.12		
3.398	1082625	1050804	0.971	1.41		
3.424	482821	453320	0.939	0.63		
3.515	95640	91320	0.955	0.12		
3.598	925217	674037	0.729	1.20		
3.693	59773	62079	1.039	0.07		
3.782	13259	11624	0.877	0.01		
3.815	196250	191107	0.974	0.25		
3.839	98298	83185	0.846	0.12		
3.897	1638829	1841592	1.124	2.14		
3.910	2144882	1941597	0.905	2.80		
4.015	1442008	1069474	0.742	1.88		
4.080	966862	871899	0.902	1.26		
4.145	555946	501523	0.902	0.72		
4.222	228586	207729	0.909	0.29		
4.300	2307857	2140208	0.927	3.01		
4.347	1857778	1722638	0.927	2.42	6 Aroclor 1248	BA
4.378	793452	810317	1.021	1.03		
4.395	878795	793064	0.902	1.14		
4.504	2816192	2626246	0.933	3.67		
4.540	1517590	1217723	0.802	1.98		
4.633	3372230	2930105	0.869	4.40	6 Aroclor 1248	BA
4.705	799756	709410	0.887	1.04		
4.769	55817	34525	0.619	0.07		
4.814	98808	80415	0.814	0.12		
4.855	178542	164681	0.922	0.23		
4.900	1658282	1558474	0.940	2.16	6 Aroclor 1248	BA
4.935	3225935	3006818	0.932	4.21		

Data File: ...wintarget\data2\chem\40GCSK.i\030618.b\030618037.D Page 2
Report Date: 23-Mar-2018 13:21

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.967	4232480	2778944	0.657	5.52	6 Aroclor 1248
5.045	562644	410108	0.729	0.73	
5.126	3025457	2658515	0.879	3.95	6 Aroclor 1248
5.188	991917	863251	0.870	1.29	
5.215	111254	119130	1.071	0.14	
5.250	1275692	1124113	0.881	1.66	
5.300	953302	816360	0.856	1.24	
5.374	68582	61325	0.894	0.08	
5.399	205826	168186	0.817	0.26	
5.452	800038	703340	0.879	1.04	
5.495	1360084	1153424	0.848	1.77	
5.535	856202	743934	0.869	1.11	
5.599	2261553	1805625	0.798	2.95	
5.695	650907	568784	0.874	0.85	
5.763	82287	65730	0.799	0.10	
5.804	126268	100300	0.794	0.16	
5.830	171658	138710	0.808	0.22	
5.853	47887	65286	1.363	0.06	
5.880	1577462	1236397	0.784	2.06	
5.978	212937	129185	0.607	0.27	
6.083	53147	44709	0.841	0.06	
6.115	1313446	1127908	0.859	1.71	
6.142	314463	228683	0.727	0.41	
6.258	133536	87865	0.658	0.17	
6.317	89877	47262	0.526	0.11	
6.389	396276	329095	0.830	0.51	
6.422	78184	64290	0.822	0.10	
6.464	64925	48044	0.740	0.08	
6.523	25632	17679	0.690	0.03	
6.599	63765	59345	0.931	0.08	
6.627	154604	109143	0.706	0.20	
6.694	20447	14858	0.727	0.02	
6.750	14500	13909	0.959	0.01	
6.809	61185	53851	0.880	0.07	
6.848	33344	28490	0.854	0.04	
6.892	70330	57965	0.824	0.09	
6.931	26181	23675	0.904	0.03	
6.953	12752	11004	0.863	0.01	
7.094	131653	105736	0.803	0.17	
7.342	36854	36842	1.000	0.04	
7.478	50558	45251	0.895	0.06	
7.532	57371	49217	0.858	0.07	
7.779	21059	20813	0.988	0.02	
7.816	55695	39295	0.706	0.07	
7.889	29073	19254	0.662	0.03	
7.988	53749	37153	0.691	0.07	
8.365	116028	92335	0.796	0.15	
8.661	11683499	9759308	0.835	15.72	
9.175	19569	12725	0.650	0.02	
	76539366	67409178		100.000	

Total unknown % area = 82

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618037.D
Lab Smp Id: 1248-CAL4D Client Smp ID: 1248-CAL4D
Inj Date : 06-MAR-2018 15:53
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal4d, 185550:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 15:53 Cal File: 030618037.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			
4.346	4.347	-0.001	1857778	0.80000	0.75	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	3372230	0.80000	0.76	0.00- 20.00	181.52	BA
4.900	4.900	0.000	1658282	0.80000	0.77	0.00- 20.00	89.26	BA
4.966	4.967	-0.001	4232479	0.80000	0.75	0.00- 20.00	227.82	BA
5.126	5.127	-0.001	3025457	0.80000	0.77	0.00- 20.00	162.85	BA
Average of Peak Amounts =					0.76000			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

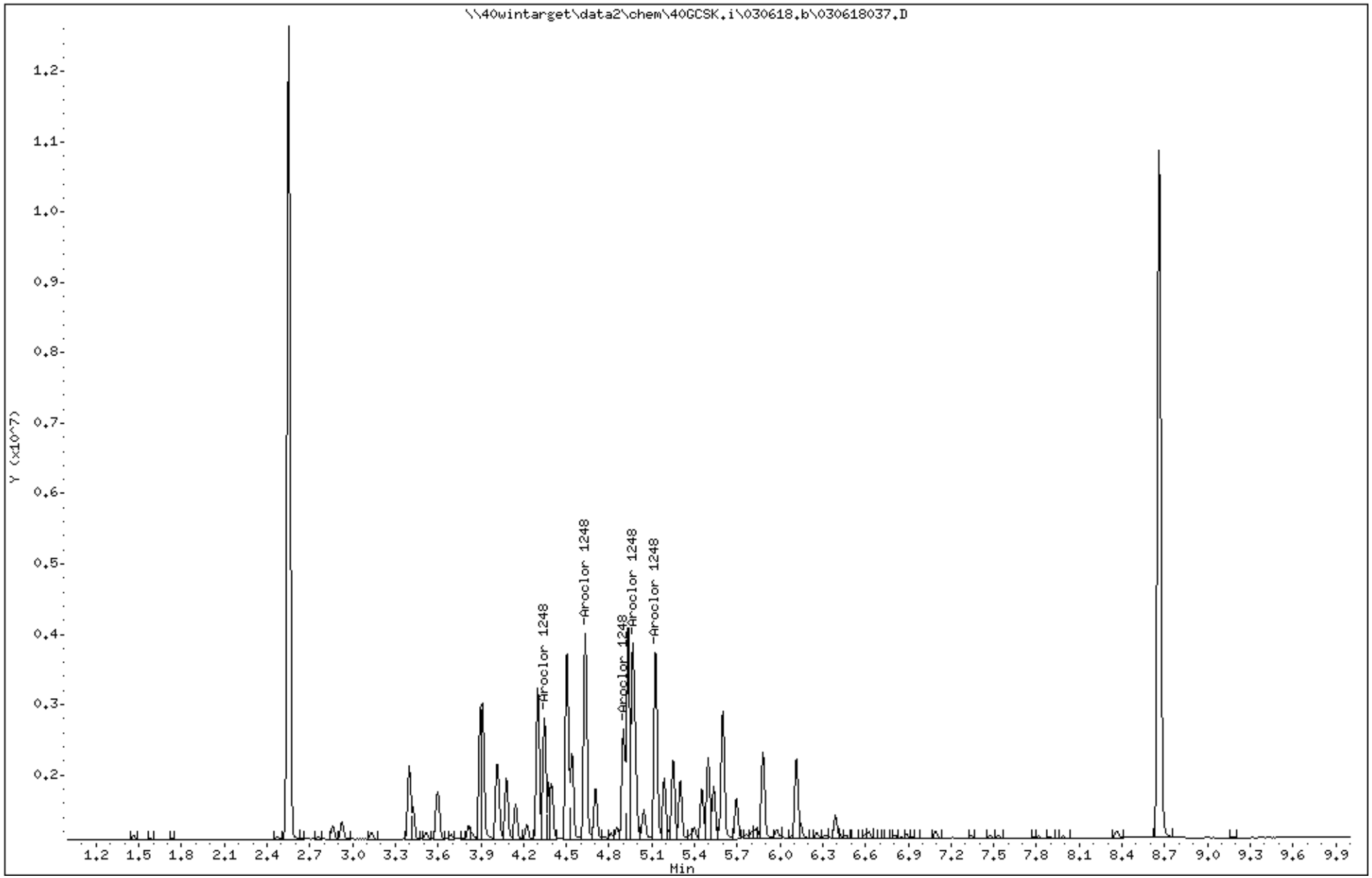
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618037.D
Date : 06-MAR-2018 15:53
Client ID: 1248-CAL4D
Sample Info: 1248-CAL4D, 185550:1

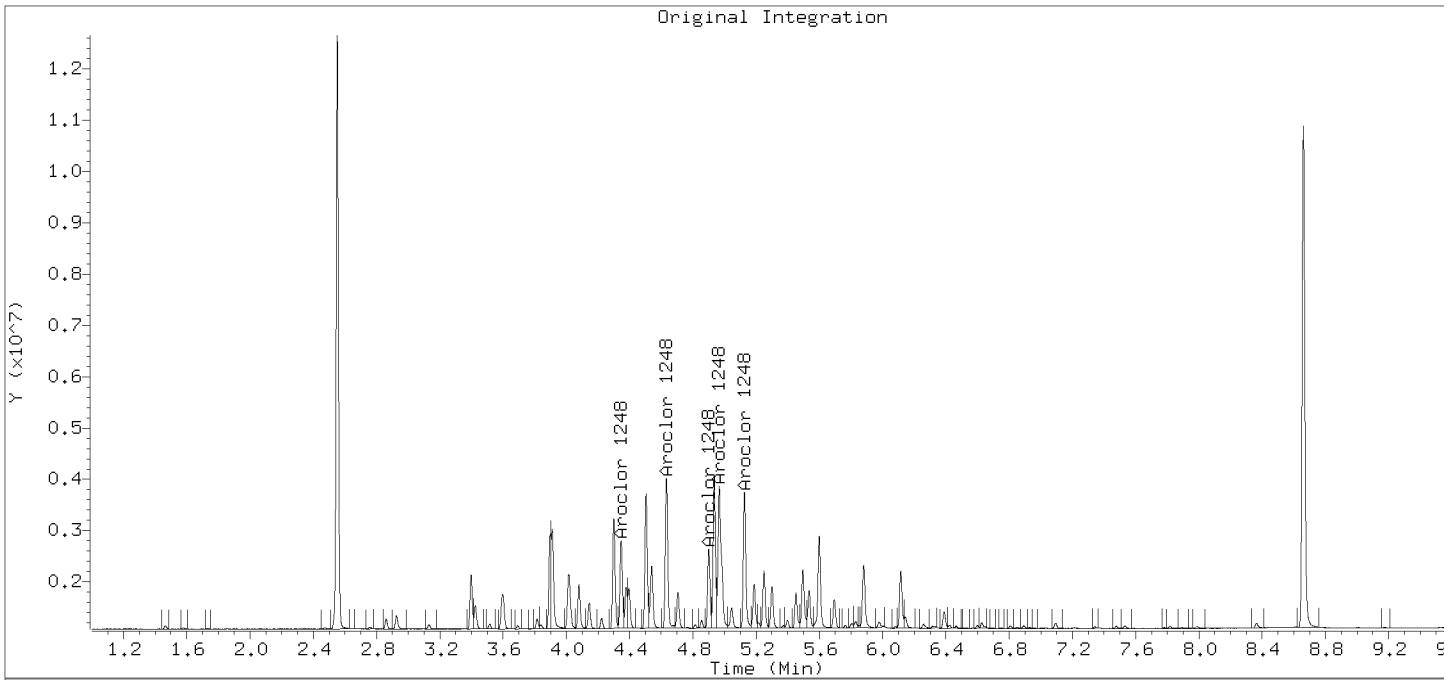
Instrument: 40GCSK.i

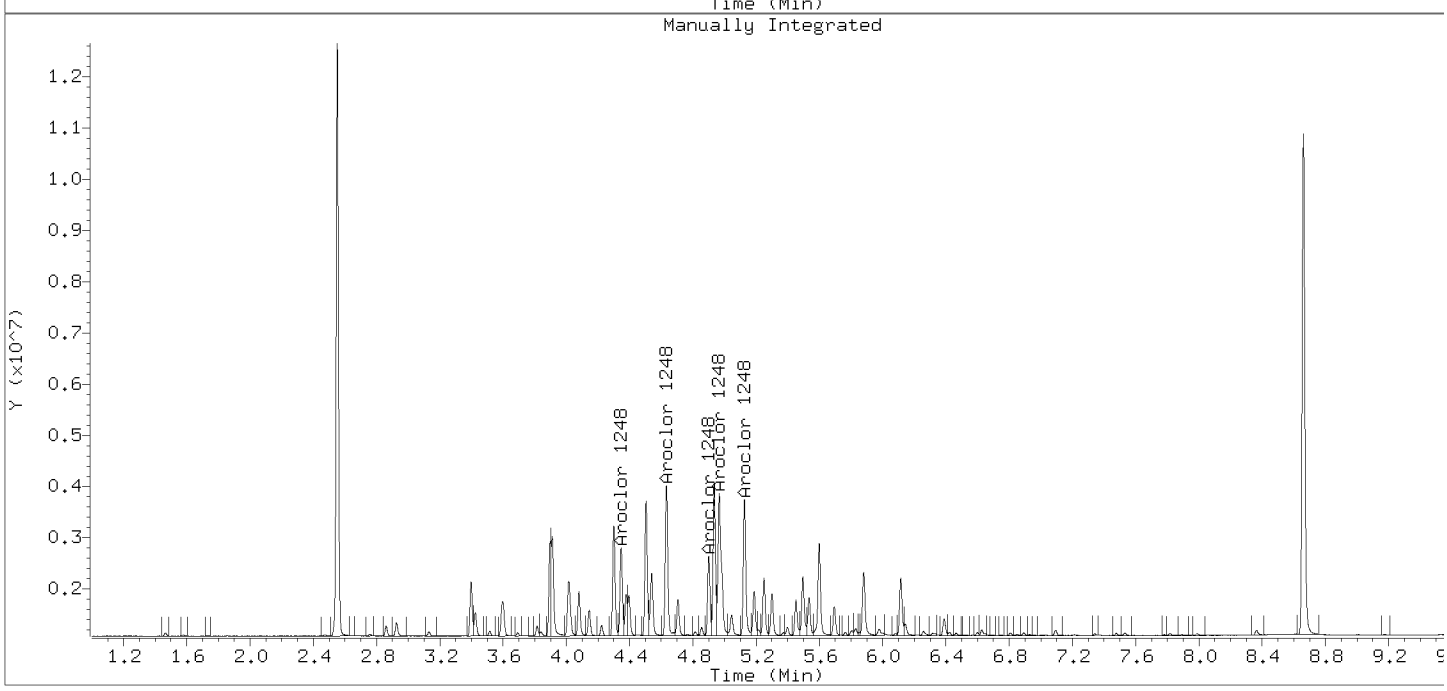
Operator: BLM

Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618037.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 15:53 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CAL4D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1825919	1857778	BA
Aroclor 1248	1825919	1857778	BA
Aroclor 1248	1825919	1857778	BA
Aroclor 1248	1825919	1857778	BA
Aroclor 1248	1825919	1857778	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618039.D
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 06-MAR-2018 16:09
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal5d, 185551:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:09 Cal File: 030618039.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
1.465	91757	94848	1.034	0.09		
1.580	36045	37333	1.036	0.03		
2.472	45674	31390	0.687	0.04		
2.551	17093469	17309066	1.013	16.89		
2.639	15221	12448	0.818	0.01		
2.758	56496	45803	0.811	0.05		
2.861	282809	271636	0.960	0.27		
2.925	360240	322705	0.896	0.35		
3.130	123721	114122	0.922	0.12		
3.397	1342579	1296840	0.966	1.32		
3.425	591457	559867	0.947	0.58		
3.516	117909	108463	0.920	0.11		
3.597	1159661	845437	0.729	1.14		
3.693	89172	89182	1.000	0.08		
3.779	13719	13397	0.977	0.01		
3.816	246748	239082	0.969	0.24		
3.840	117705	106233	0.903	0.11		
3.897	2018809	2302977	1.141	1.99		
3.910	2695929	2435046	0.903	2.66		
4.015	1794252	1327886	0.740	1.77		
4.080	1202356	1079657	0.898	1.18		
4.144	691326	627429	0.908	0.68		
4.223	274872	246850	0.898	0.27		
4.300	2849842	2654500	0.931	2.81		
4.346	2301059	2113157	0.918	2.27	6 Aroclor 1248	BA
4.378	1008625	1008451	1.000	0.99		
4.395	1085539	990816	0.913	1.07		
4.504	3499920	3258912	0.931	3.45		
4.540	1875898	1523958	0.812	1.85		
4.633	4121811	3687318	0.895	4.07	6 Aroclor 1248	BA
4.678	74392	81176	1.091	0.07		
4.705	998519	904001	0.905	0.98		
4.769	56393	43230	0.767	0.05		
4.814	130574	96802	0.741	0.12		
4.856	221270	202378	0.915	0.21		
4.900	2072506	1956271	0.944	2.04	6 Aroclor 1248	BA
4.935	4031915	3787848	0.939	3.98		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.966	5270596	3395047	0.644	5.20	6 Aroclor 1248
5.044	689825	523814	0.759	0.68	
5.126	3798047	3367806	0.887	3.75	6 Aroclor 1248
5.188	1235064	1062558	0.860	1.22	
5.213	132204	147115	1.113	0.13	
5.250	1585440	1388350	0.876	1.56	
5.299	1184181	1011928	0.855	1.17	
5.373	85951	76288	0.888	0.08	
5.397	256591	208174	0.811	0.25	
5.451	1005716	867648	0.863	0.99	
5.495	1688246	1452004	0.860	1.66	
5.534	1070291	944020	0.882	1.05	
5.599	2827491	2265807	0.801	2.79	
5.694	834995	735211	0.880	0.82	
5.763	98656	80990	0.821	0.09	
5.804	168164	129320	0.769	0.16	
5.829	209335	183028	0.874	0.20	
5.852	67686	81382	1.202	0.06	
5.880	1959504	1548812	0.790	1.93	
5.978	268835	162114	0.603	0.26	
6.081	58975	57422	0.974	0.05	
6.114	1672942	1424842	0.852	1.65	
6.143	375980	283470	0.754	0.37	
6.257	170219	110979	0.652	0.16	
6.317	104771	57096	0.545	0.10	
6.388	503994	428724	0.851	0.49	
6.422	104014	83342	0.801	0.10	
6.464	80689	60185	0.746	0.07	
6.525	38041	21339	0.561	0.03	
6.599	81342	75971	0.934	0.08	
6.626	195383	138794	0.710	0.19	
6.694	28372	20222	0.713	0.02	
6.752	21891	17997	0.822	0.02	
6.807	79392	70197	0.884	0.07	
6.850	41588	35901	0.863	0.04	
6.892	88548	72583	0.820	0.08	
6.930	37738	28696	0.760	0.03	
7.030	18244	13290	0.728	0.01	
7.094	165147	140965	0.854	0.16	
7.213	31555	25258	0.800	0.03	
7.343	60133	53898	0.896	0.05	
7.372	16039	14609	0.911	0.01	
7.478	62711	58742	0.937	0.06	
7.533	69248	59760	0.863	0.06	
7.782	30908	26501	0.857	0.03	
7.819	80961	53527	0.661	0.08	
7.890	41212	30029	0.729	0.04	
7.988	49458	45760	0.925	0.04	
8.364	159784	136154	0.852	0.15	
8.443	24390	19000	0.779	0.02	
8.468	17162	12416	0.723	0.01	
8.612	18622	13970	0.750	0.01	
8.662	17207225	14548284	0.845	17.51	
9.005	69633	43095	0.619	0.06	
9.178	20695	16765	0.810	0.02	
9.528	110612	65355	0.591	0.10	
	101164626	89823069		100.000	

Total unknown % area = 83

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618039.D
Lab Smp Id: 1248-CAL5D Client Smp ID: 1248-CAL5D
Inj Date : 06-MAR-2018 16:09
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-cal5d, 185551:1
Misc Info : 17499,NSAR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:09 Cal File: 030618039.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			
4.346	4.347	-0.001	2301058	1.00000	0.93	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	4121810	1.00000	0.92	0.00- 20.00	179.13	BA
4.900	4.900	0.000	2072505	1.00000	0.96	0.00- 20.00	90.07	BA
4.966	4.967	-0.001	5270595	1.00000	0.93	0.00- 20.00	229.05	BA
5.125	5.127	-0.002	3798047	1.00000	0.96	0.00- 20.00	165.06	BA
Average of Peak Amounts =					0.94000			

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\40GCSK.i\030618.b\030618039.D

Date : 06-MAR-2018 16:09

Client ID: 1248-CAL5D

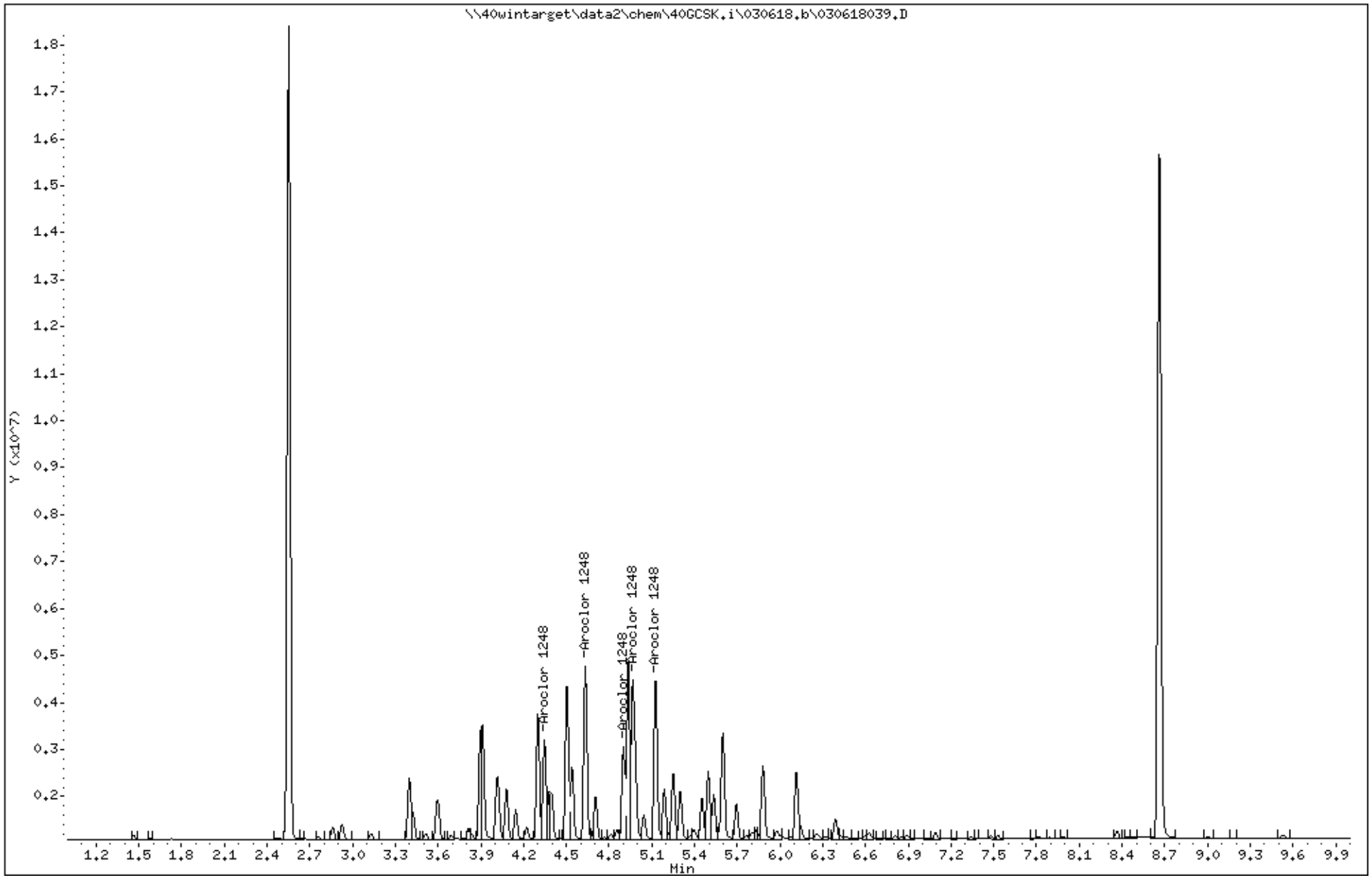
Instrument: 40GCSK.i

Sample Info: 1248-CAL5D, 185551:1

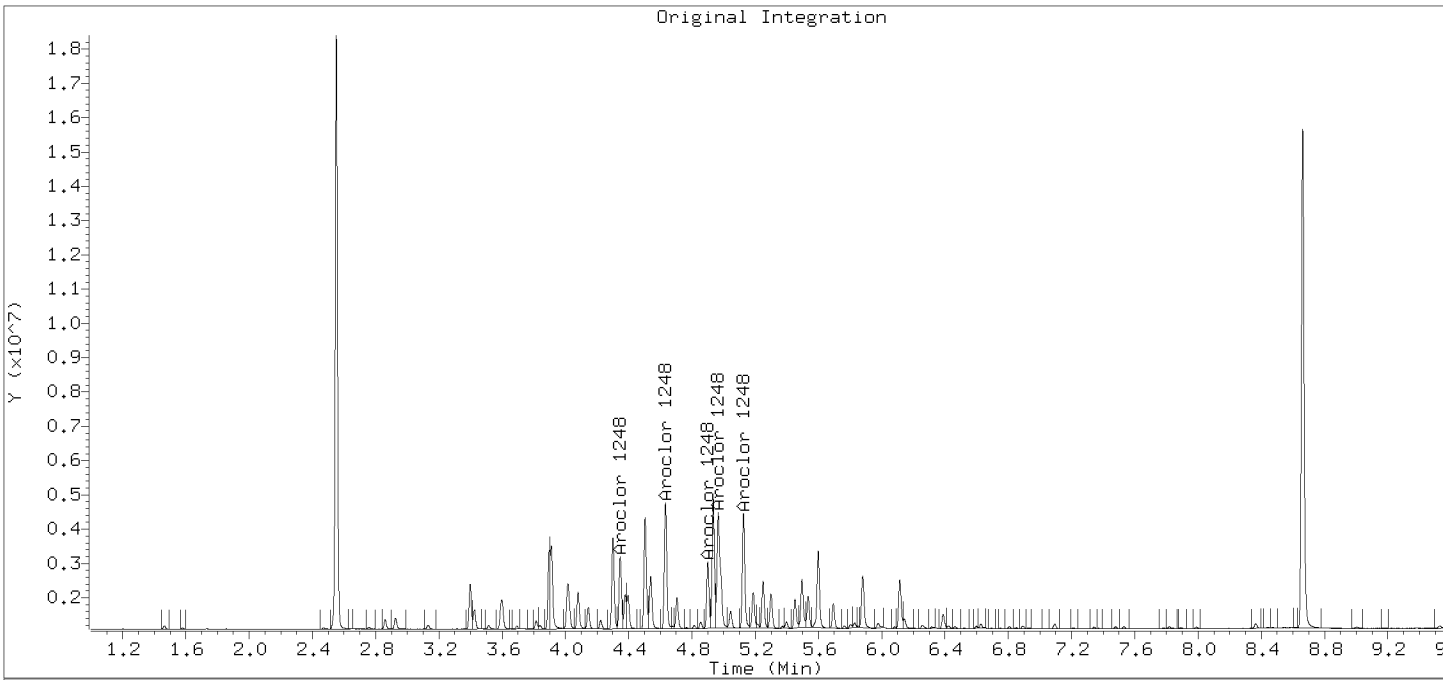
Operator: BLM

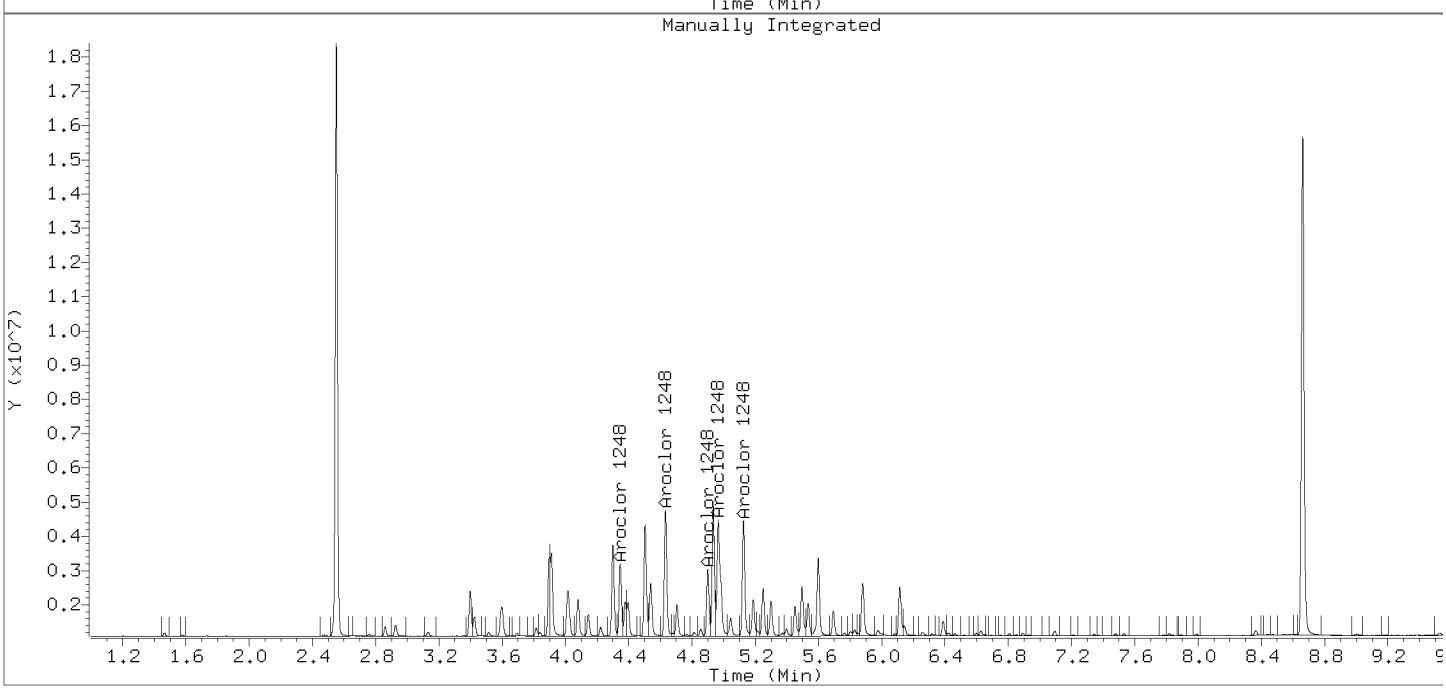
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618039.D (ManInt: NSAR1248.sub Orig: NSAR1248.sub)
Injection Date: 06-MAR-2018 16:09 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CAL5D





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	2268579	2301058	BA
Aroclor 1248	2268579	2301058	BA
Aroclor 1248	2268579	2301058	BA
Aroclor 1248	2268579	2301058	BA
Aroclor 1248	2268579	2301058	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618043.D
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 06-MAR-2018 16:41
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal1c, 188135:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:41 Cal File: 030618043.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
1.203	34945	33179	0.949	0.27		
1.463	11614	9767	0.841	0.09		
1.732	18094	19859	1.098	0.14		
2.064	25972	20881	0.804	0.20		
2.551	1240519	1256412	1.013	9.74		
2.859	24453	19997	0.818	0.19		
3.099	16559	15373	0.928	0.13		
3.900	13797	10937	0.793	0.10		
4.134	17080	14723	0.862	0.13		
4.301	282331	264866	0.938	2.21		
4.348	74354	71642	0.964	0.58		
4.379	14690	11538	0.785	0.11		
4.504	175027	160188	0.915	1.37		
4.540	23009	19675	0.855	0.18		
4.634	77368	71752	0.927	0.60		
4.708	9829	12462	1.268	0.07		
4.899	62993	58559	0.930	0.49		
4.936	254998	222701	0.873	2.00		
4.983	574848	451394	0.785	4.51		
5.045	93626	82838	0.885	0.73		
5.127	56762	46718	0.823	0.44		
5.188	324043	287989	0.889	2.54		
5.250	628985	563976	0.897	4.94	7 Aroclor 1254	BA
5.299	290534	247578	0.852	2.28		
5.371	18021	16664	0.925	0.14		
5.397	53170	44094	0.829	0.41		
5.452	238186	215714	0.906	1.87		
5.496	500871	449663	0.898	3.93	7 Aroclor 1254	BA
5.535	175052	150696	0.861	1.37		
5.569	66178	61946	0.936	0.51		
5.598	946431	825464	0.872	7.43	7 Aroclor 1254	BA
5.693	135729	111810	0.824	1.06		
5.764	92968	80706	0.868	0.73		
5.802	128106	81294	0.635	1.00		
5.829	80483	65265	0.811	0.63		
5.879	965094	721535	0.748	7.58		
5.973	87279	63499	0.728	0.68		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.018	52563	29927	0.569	0.41	
6.081	79674	72728	0.913	0.62	
6.117	551607	482120	0.874	4.33	7 Aroclor 1254
6.144	466034	370123	0.794	3.66	
6.257	174361	134701	0.773	1.36	
6.317	60146	69990	1.164	0.47	
6.330	91838	68456	0.745	0.72	
6.389	789959	675779	0.855	6.20	7 Aroclor 1254
6.423	151217	125207	0.828	1.18	
6.463	91525	67549	0.738	0.71	
6.599	28324	29713	1.049	0.22	
6.627	265466	192715	0.726	2.08	
6.696	42188	31024	0.735	0.33	
6.808	56592	43026	0.760	0.44	
6.849	32154	29142	0.906	0.25	
6.891	146553	120759	0.824	1.15	
6.935	47039	29205	0.621	0.36	
7.030	16536	14975	0.906	0.12	
7.094	109854	88625	0.807	0.86	
7.341	86226	71545	0.830	0.67	
7.374	19262	17838	0.926	0.15	
8.364	13734	12684	0.924	0.10	
8.441	20293	14550	0.717	0.15	
8.660	1461889	1244086	0.851	11.75	
9.006	29483	18847	0.639	0.23	
9.525	13240	12199	0.921	0.10	
	12731757	10930867		100.000	

Total unknown % area = 73

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618043.D
Lab Smp Id: 1254-CAL1C Client Smp ID: 1254-CAL1C
Inj Date : 06-MAR-2018 16:41
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal1c, 188135:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:41 Cal File: 030618043.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			
5.250	5.249	0.001	628985	0.10000	0.11	0.00- 20.00	100.00(M)	BA
5.496	5.496	0.000	500870	0.10000	0.11	0.00- 20.00	79.63	BA
5.598	5.598	0.000	946431	0.10000	0.11	0.00- 20.00	150.47	BA
6.117	6.117	0.000	551607	0.10000	0.10	0.00- 20.00	87.70	BA
6.388	6.388	0.000	789958	0.10000	0.11	0.00- 20.00	125.59	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\40GCSK.i\030618.b\030618043.D

Date : 06-MAR-2018 16:41

Client ID: 1254-CAL1C

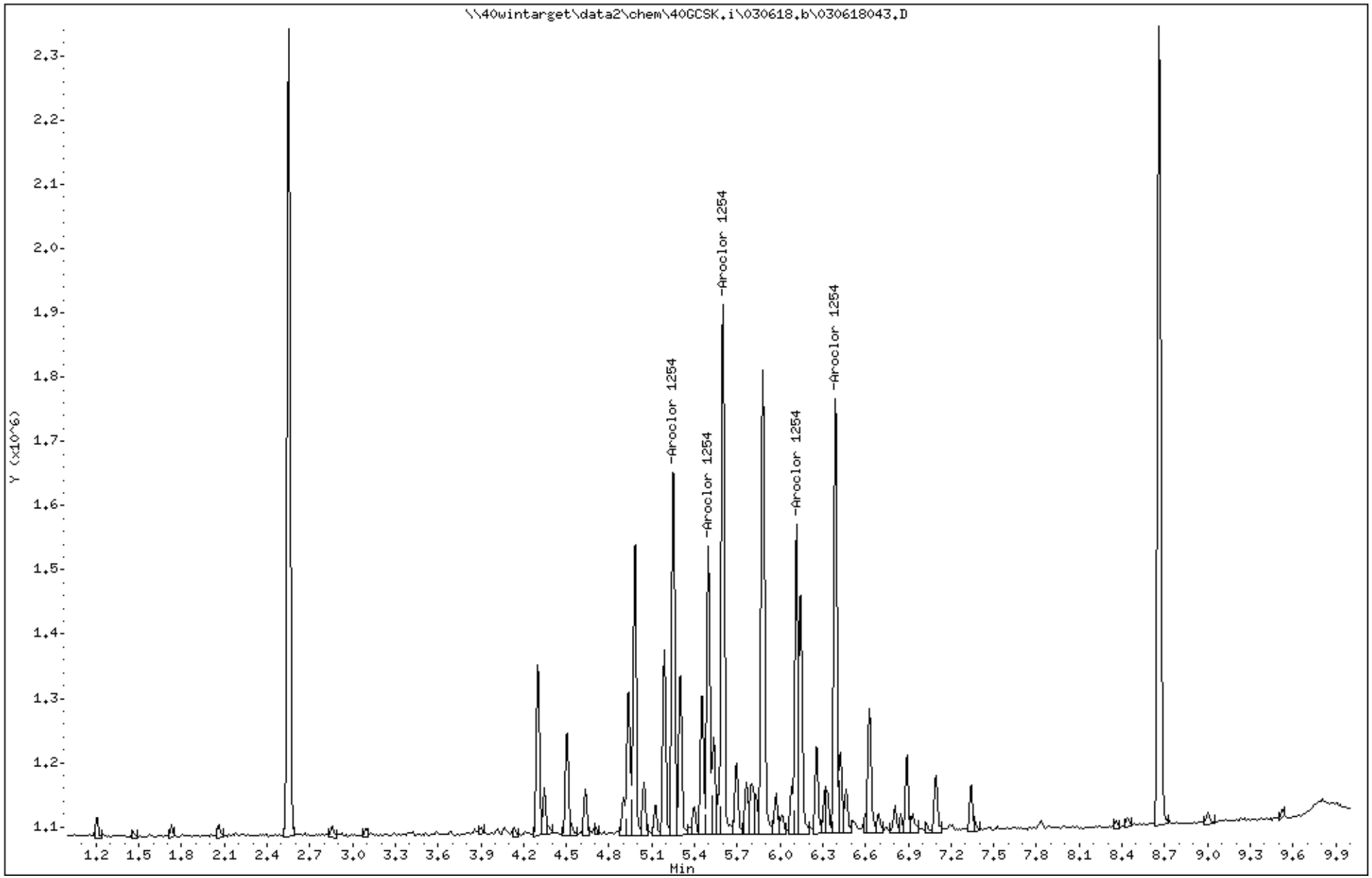
Instrument: 40GCSK.i

Sample Info: 1254-CAL1C, 188135:1

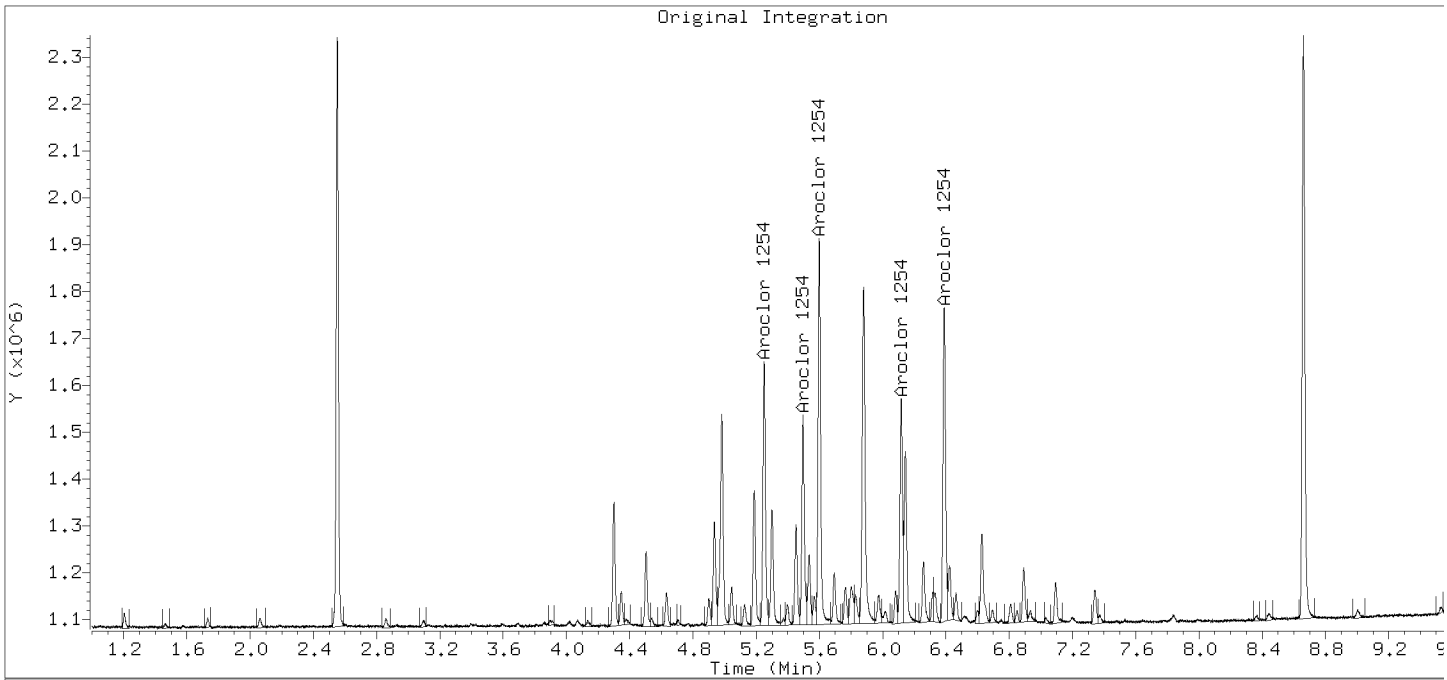
Operator: BLM

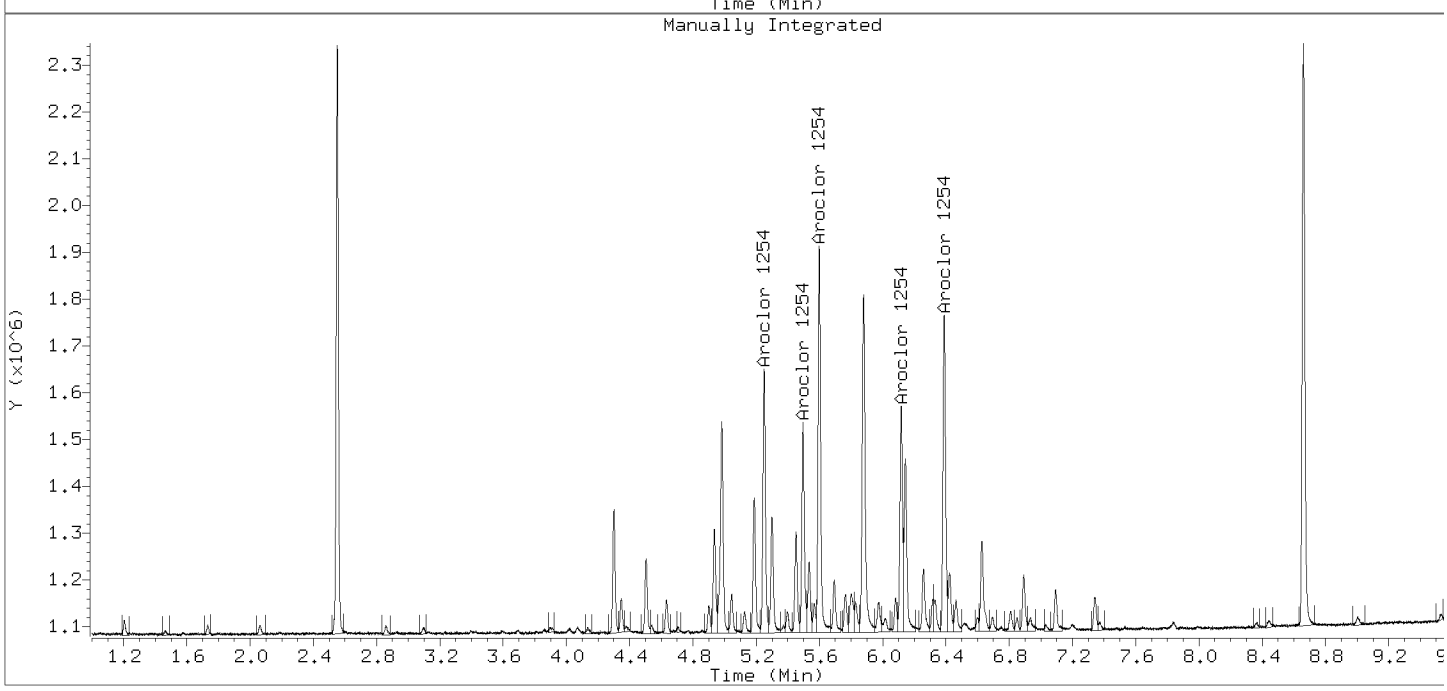
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618043.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 16:41 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-CAL1C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	626956	628985	BA
Aroclor 1254	626956	628985	BA
Aroclor 1254	626956	628985	BA
Aroclor 1254	626956	628985	BA
Aroclor 1254	626956	628985	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618045.D
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 06-MAR-2018 16:57
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal2c, 185553:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 16:57 Cal File: 030618045.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
1.464	16618	17079	1.028	0.06		
1.733	15803	12776	0.808	0.06		
2.551	2407782	2444749	1.015	9.72		
2.859	45244	36682	0.811	0.18		
2.927	11885	9568	0.805	0.04		
3.399	13139	14319	1.090	0.05		
3.594	17917	12553	0.701	0.07		
3.692	16157	15804	0.978	0.06		
3.899	29612	19259	0.650	0.11		
4.022	26269	19986	0.761	0.10		
4.300	549724	530422	0.965	2.22		
4.347	147092	141945	0.965	0.59		
4.380	27565	20835	0.756	0.11		
4.505	324988	306013	0.942	1.31		
4.541	37151	32535	0.876	0.15		
4.633	155912	136732	0.877	0.62		
4.704	24844	23761	0.956	0.10		
4.901	120274	114126	0.949	0.48		
4.936	481920	444795	0.923	1.94		
4.982	1118282	894538	0.800	4.51		
5.046	185816	156977	0.845	0.75		
5.125	107136	91953	0.858	0.43		
5.188	640578	572858	0.894	2.58		
5.250	1221774	1115301	0.913	4.93	7 Aroclor 1254	BA
5.300	571110	490061	0.858	2.30		
5.372	30187	28129	0.932	0.12		
5.398	102519	86559	0.844	0.41		
5.452	461667	424893	0.920	1.86		
5.496	993867	893107	0.899	4.01	7 Aroclor 1254	BA
5.535	339086	292116	0.861	1.37		
5.568	128983	124199	0.963	0.52		
5.599	1815715	1545787	0.851	7.33	7 Aroclor 1254	BA
5.694	261481	218038	0.834	1.05		
5.764	162931	151340	0.929	0.65		
5.802	243718	159473	0.654	0.98		
5.830	152779	123564	0.809	0.61		
5.879	1877619	1389399	0.740	7.58		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.973	171065	123541	0.722	0.69	
6.018	103400	57767	0.559	0.41	
6.080	152645	140274	0.919	0.61	
6.117	1123981	950298	0.845	4.54	7 Aroclor 1254
6.143	823807	723065	0.878	3.32	
6.173	422675	279761	0.662	1.70	
6.257	348732	272198	0.781	1.40	
6.317	249461	137333	0.551	1.00	
6.388	1566161	1310475	0.837	6.32	7 Aroclor 1254
6.423	300676	241974	0.805	1.21	
6.463	180228	133366	0.740	0.72	
6.524	44758	25856	0.578	0.18	
6.597	60823	56370	0.927	0.24	
6.628	515650	390025	0.756	2.08	
6.694	85432	59945	0.702	0.34	
6.748	22157	14342	0.647	0.08	
6.808	101258	83669	0.826	0.40	
6.849	60568	53554	0.884	0.24	
6.892	282769	233579	0.826	1.14	
6.932	101314	54122	0.534	0.40	
7.032	30726	24888	0.810	0.12	
7.095	201515	172897	0.858	0.81	
7.341	160023	136360	0.852	0.64	
7.533	10321	12133	1.176	0.04	
7.641	11172	9083	0.813	0.04	
7.895	11829	8340	0.705	0.04	
8.364	28614	20737	0.725	0.11	
8.661	2662073	2222584	0.835	11.10	
9.006	13806	12097	0.876	0.05	
9.527	17664	11299	0.640	0.07	
	24750449	21084163		100.000	

Total unknown % area = 73

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618045.D
Lab Smp Id: 1254-CAL2C Client Smp ID: 1254-CAL2C
Inj Date : 06-MAR-2018 16:57
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal2c, 185553:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 16:57 Cal File: 030618045.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			
5.250	5.249	0.001	1221773	0.20000	0.21	0.00- 20.00	100.00(M)	BA
5.495	5.496	-0.001	993867	0.20000	0.21	0.00- 20.00	81.35	BA
5.598	5.598	0.000	1815714	0.20000	0.21	0.00- 20.00	148.61	BA
6.116	6.117	-0.001	1123981	0.20000	0.21	0.00- 20.00	92.00	BA
6.388	6.388	0.000	1566160	0.20000	0.21	0.00- 20.00	128.19	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\40GCSK.i\030618.b\030618045.D

Date : 06-MAR-2018 16:57

Client ID: 1254-CAL2C

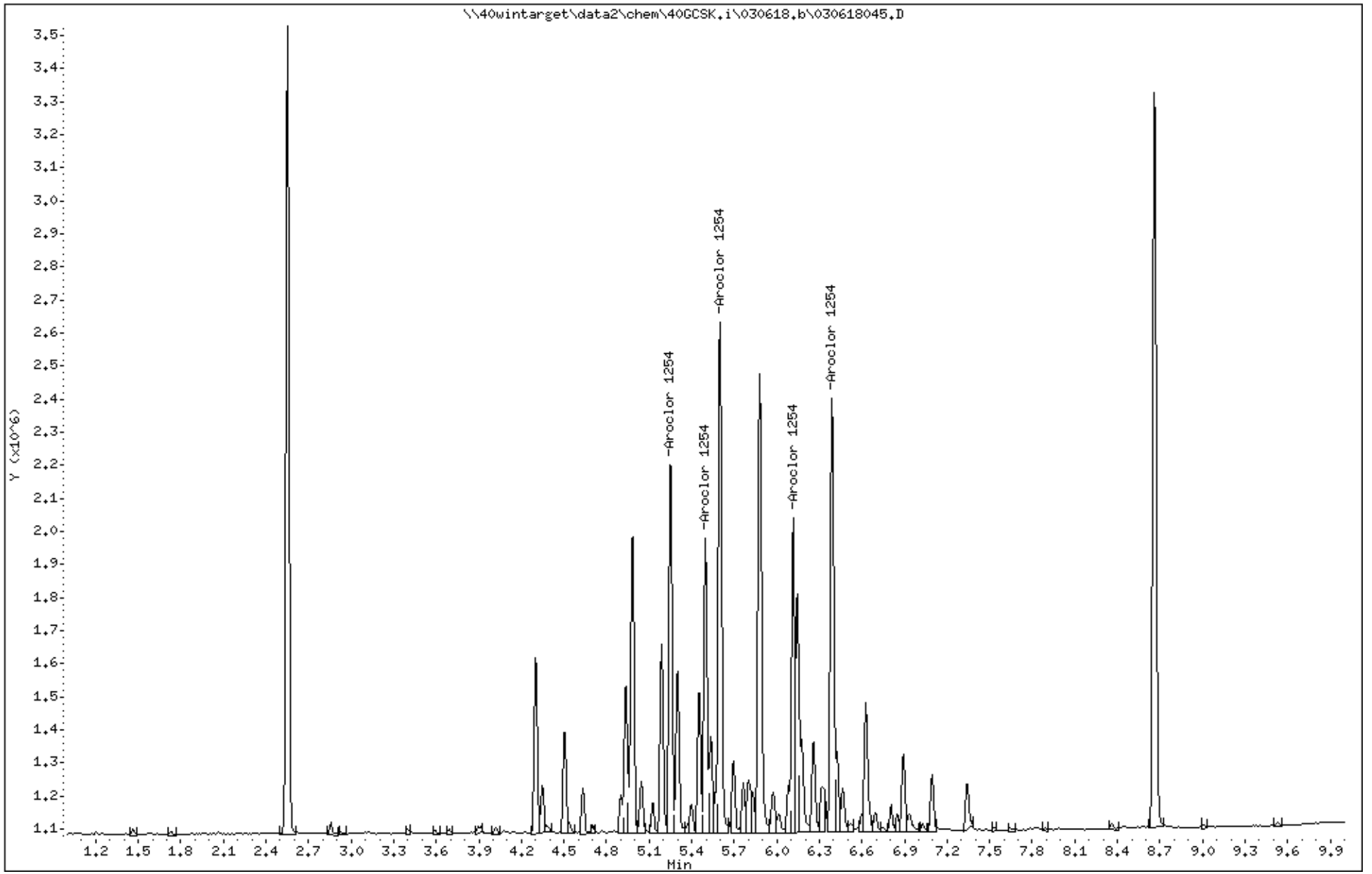
Instrument: 40GCSK.i

Sample Info: 1254-CAL2C, 185553:1

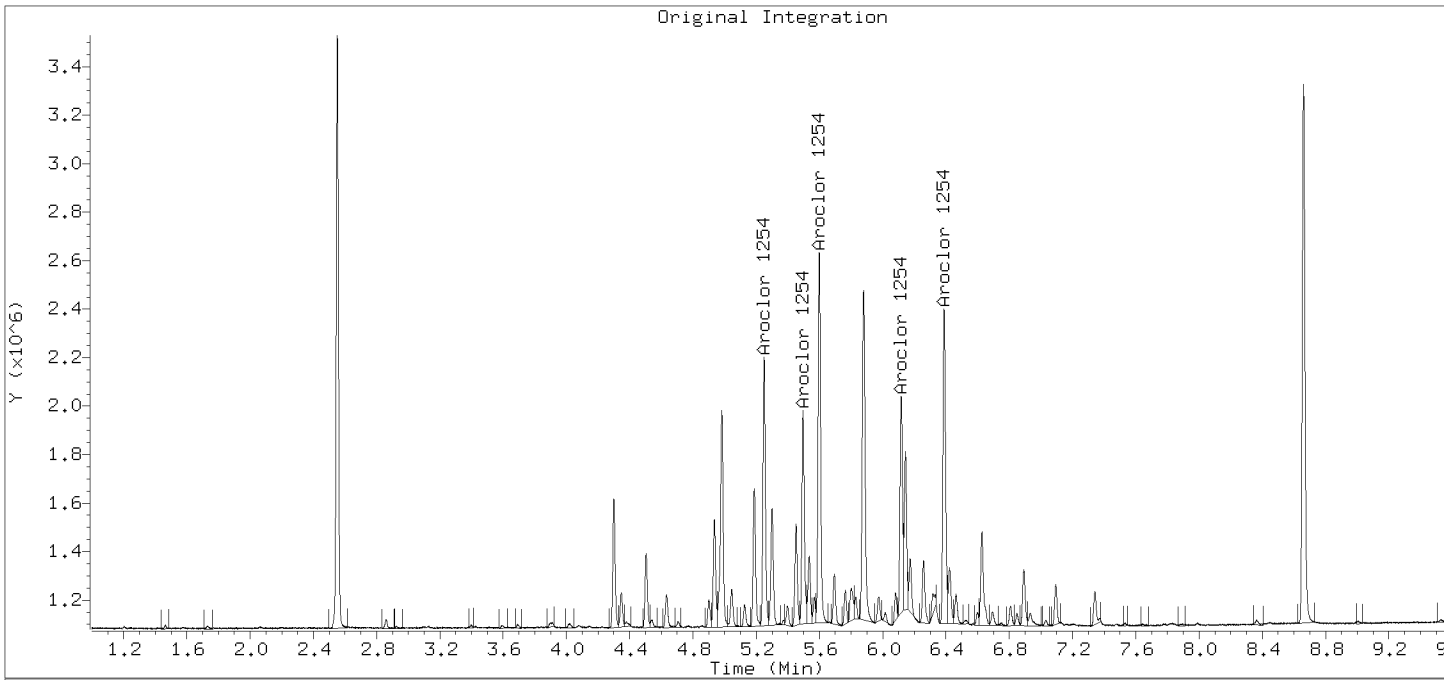
Operator: BLM

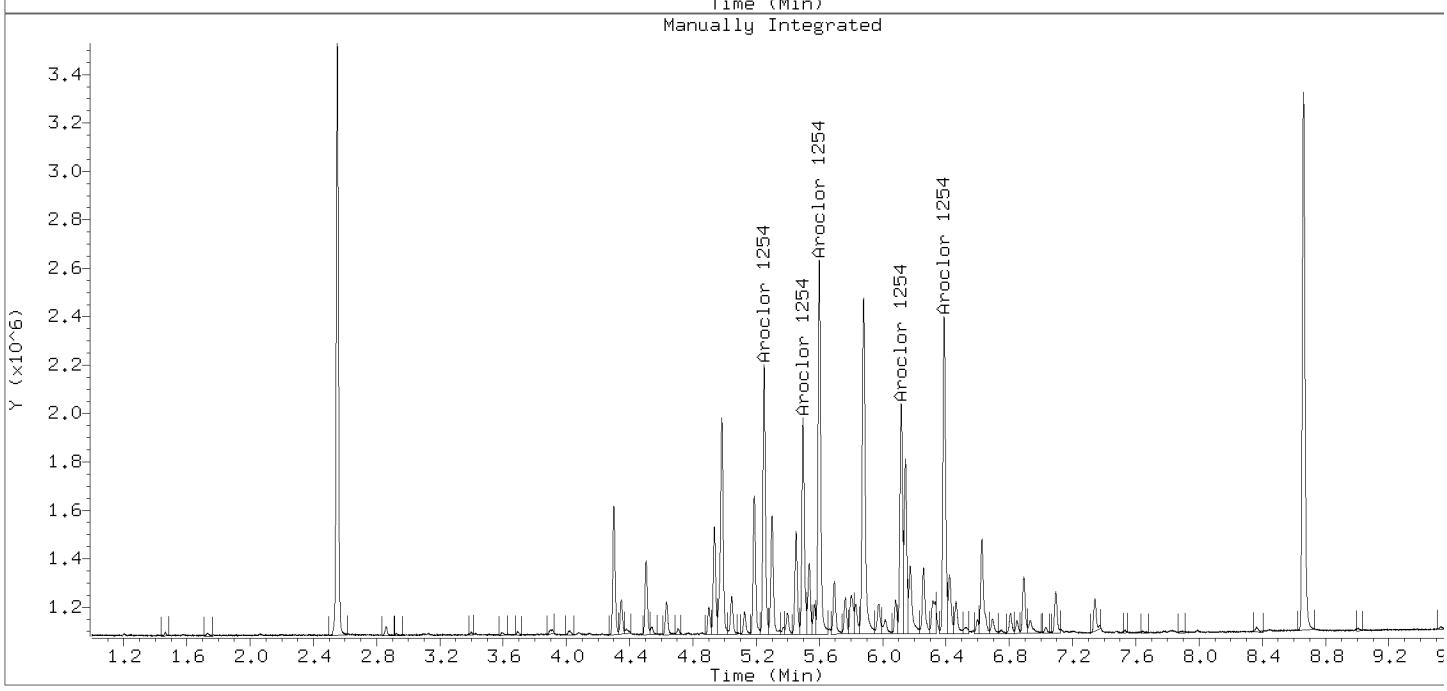
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618045.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 16:57 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-CAL2C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	1201216	1221773	BA
Aroclor 1254	1201216	1221773	BA
Aroclor 1254	1201216	1221773	BA
Aroclor 1254	1201216	1221773	BA
Aroclor 1254	1201216	1221773	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618047.D
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 06-MAR-2018 17:13
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal3c, 185554:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:13 Cal File: 030618047.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
1.206	23043	21263	0.923	0.03		
1.466	35709	35899	1.005	0.06		
1.577	16163	17201	1.064	0.02		
1.732	21595	22179	1.027	0.03		
2.060	11195	9077	0.811	0.01		
2.551	5973778	6053043	1.013	10.26		
2.860	84967	86318	1.016	0.14		
2.927	23305	17825	0.765	0.04		
3.127	15988	17705	1.107	0.02		
3.397	33190	29088	0.876	0.05		
3.427	19416	17844	0.919	0.03		
3.595	27883	22043	0.791	0.04		
3.692	44919	36365	0.810	0.07		
3.814	11373	11150	0.980	0.01		
3.862	10792	11474	1.063	0.01		
3.899	99897	54135	0.542	0.17		
4.019	58509	42231	0.722	0.10		
4.079	27769	24235	0.873	0.04		
4.138	34143	21227	0.622	0.05		
4.220	9609	8294	0.863	0.01		
4.300	1271787	1199914	0.943	2.18		
4.347	315624	321353	1.018	0.54		
4.377	19652	29256	1.489	0.03		
4.504	789923	763814	0.967	1.35		
4.540	93686	75699	0.808	0.16		
4.633	351729	325111	0.924	0.60		
4.680	14417	17097	1.186	0.02		
4.706	58773	56194	0.956	0.10		
4.771	17940	15980	0.891	0.03		
4.854	18732	17119	0.914	0.03		
4.901	293740	280535	0.955	0.50		
4.935	1197820	1080855	0.902	2.05		
4.982	2590461	2001169	0.773	4.44		
5.044	435390	371874	0.854	0.74		
5.126	259387	221656	0.855	0.44		
5.188	1515009	1331432	0.879	2.60		
5.250	2810430	2561881	0.912	4.82	7 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.300	1332102	1159627	0.871	2.28	
5.373	71180	67193	0.944	0.12	
5.399	241465	207504	0.859	0.41	
5.451	1121907	1006781	0.897	1.92	
5.495	2345828	2063326	0.880	4.02	7 Aroclor 1254
5.534	839568	743984	0.886	1.44	
5.567	294012	278194	0.946	0.50	
5.598	4245792	3717528	0.876	7.29	7 Aroclor 1254
5.662	55437	48291	0.871	0.09	
5.694	622180	549097	0.883	1.06	
5.764	389000	357794	0.920	0.66	
5.801	585875	382777	0.653	1.00	
5.829	380585	297031	0.780	0.65	
5.879	4378217	3348891	0.765	7.52	
5.974	398129	298539	0.750	0.68	
6.017	221186	136369	0.617	0.37	
6.082	363753	338809	0.931	0.62	
6.116	2706576	2256984	0.834	4.64	7 Aroclor 1254
6.143	2060893	1689834	0.820	3.54	
6.258	806908	678371	0.841	1.38	
6.317	599542	329596	0.550	1.02	
6.387	3651931	3104628	0.850	6.27	7 Aroclor 1254
6.422	714556	596338	0.835	1.22	
6.464	401250	314458	0.784	0.68	
6.525	115226	56397	0.489	0.19	
6.600	139408	139095	0.998	0.23	
6.627	1264094	983434	0.778	2.17	
6.694	194073	148715	0.766	0.33	
6.749	36034	27686	0.768	0.06	
6.807	236899	205290	0.867	0.40	
6.849	143056	126289	0.883	0.24	
6.892	712824	610488	0.856	1.22	
6.931	220527	133000	0.603	0.37	
7.031	66942	57485	0.859	0.11	
7.094	496062	429402	0.866	0.85	
7.163	21908	18902	0.863	0.03	
7.202	22894	14567	0.636	0.03	
7.341	397799	372578	0.937	0.68	
7.371	95911	76384	0.796	0.16	
7.478	17853	16941	0.949	0.03	
7.531	30300	24010	0.792	0.05	
7.642	18103	16857	0.931	0.03	
7.780	14316	14605	1.020	0.02	
7.817	18191	16016	0.880	0.03	
7.891	13643	11153	0.817	0.02	
7.991	31428	21799	0.694	0.05	
8.364	52854	44001	0.832	0.09	
8.660	6339588	5224889	0.824	11.34	
9.004	21365	16859	0.789	0.03	
9.532	26119	17608	0.674	0.04	
	58213030	50025929		100.000	

Total unknown % area = 73

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618047.D
Lab Smp Id: 1254-CAL3C Client Smp ID: 1254-CAL3C
Inj Date : 06-MAR-2018 17:13
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal3c, 185554:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:13 Cal File: 030618047.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			
5.249	5.249	0.000	2810430	0.50000	0.49	0.00- 20.00	100.00(M)	BA
5.495	5.496	-0.001	2345827	0.50000	0.50	0.00- 20.00	83.47	BA
5.598	5.598	0.000	4245791	0.50000	0.49	0.00- 20.00	151.07	BA
6.115	6.117	-0.002	2706576	0.50000	0.50	0.00- 20.00	96.30	BA
6.387	6.388	-0.001	3651931	0.50000	0.50	0.00- 20.00	129.94	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\40GCSK.i\030618.b\030618047.D

Date : 06-MAR-2018 17:13

Client ID: 1254-CAL3C

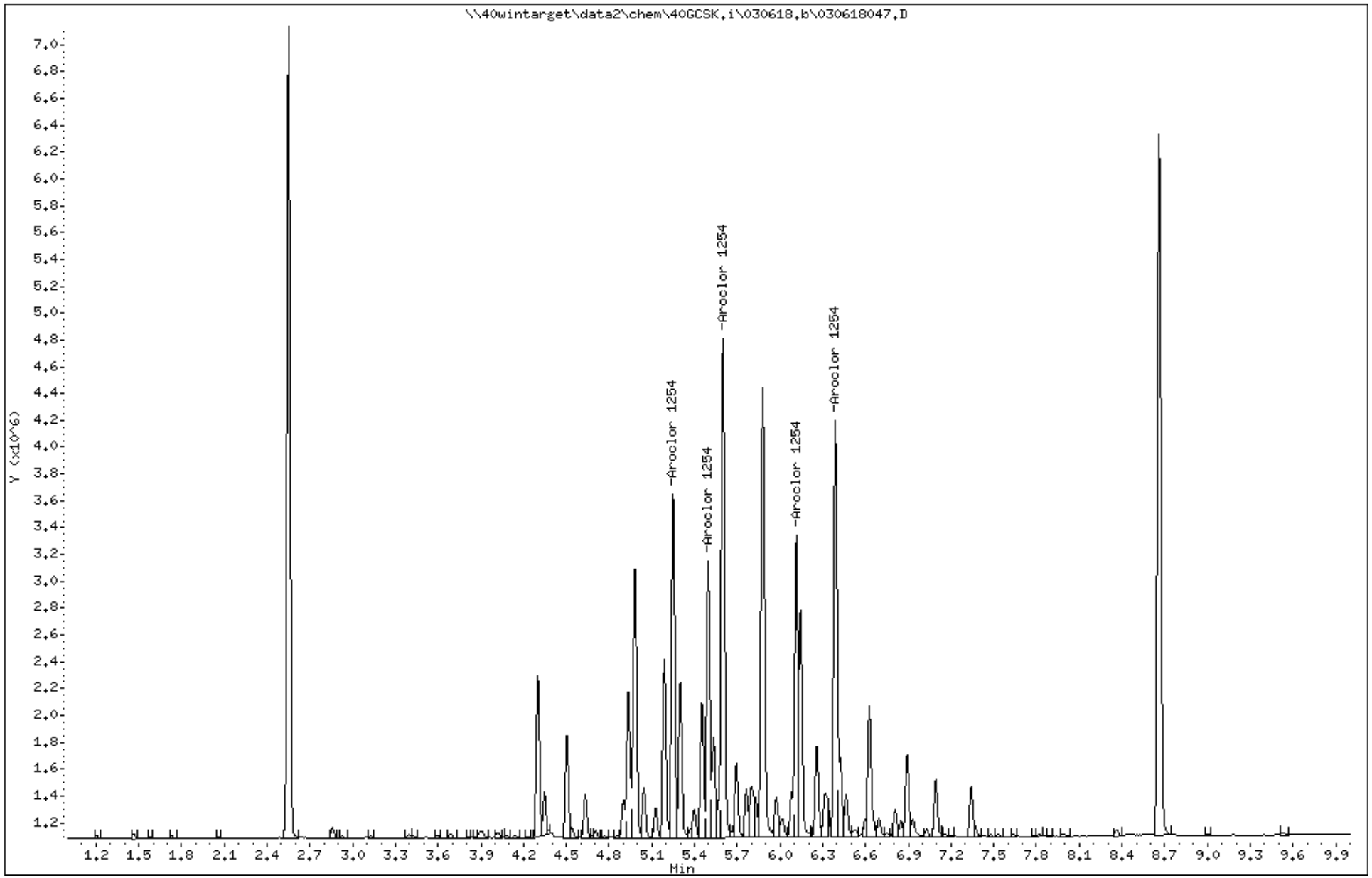
Instrument: 40GCSK.i

Sample Info: 1254-CAL3C, 185554:1

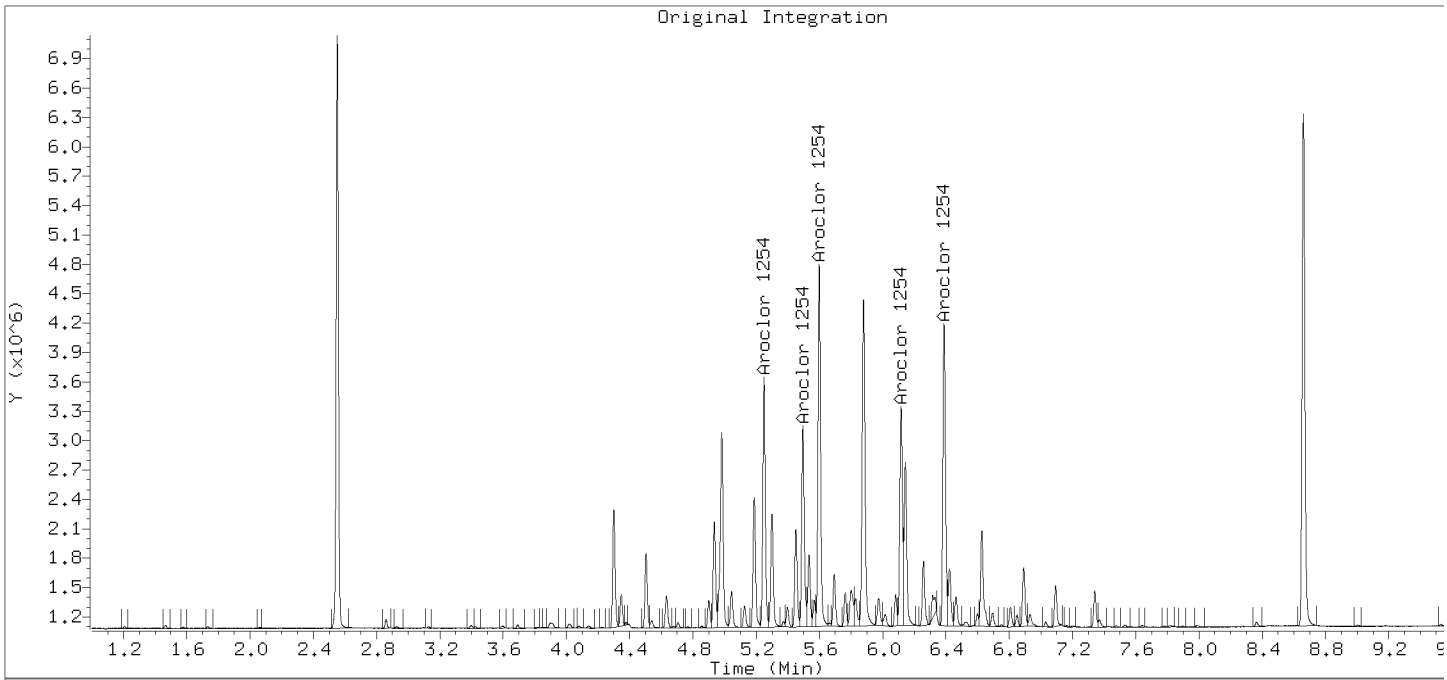
Operator: BLM

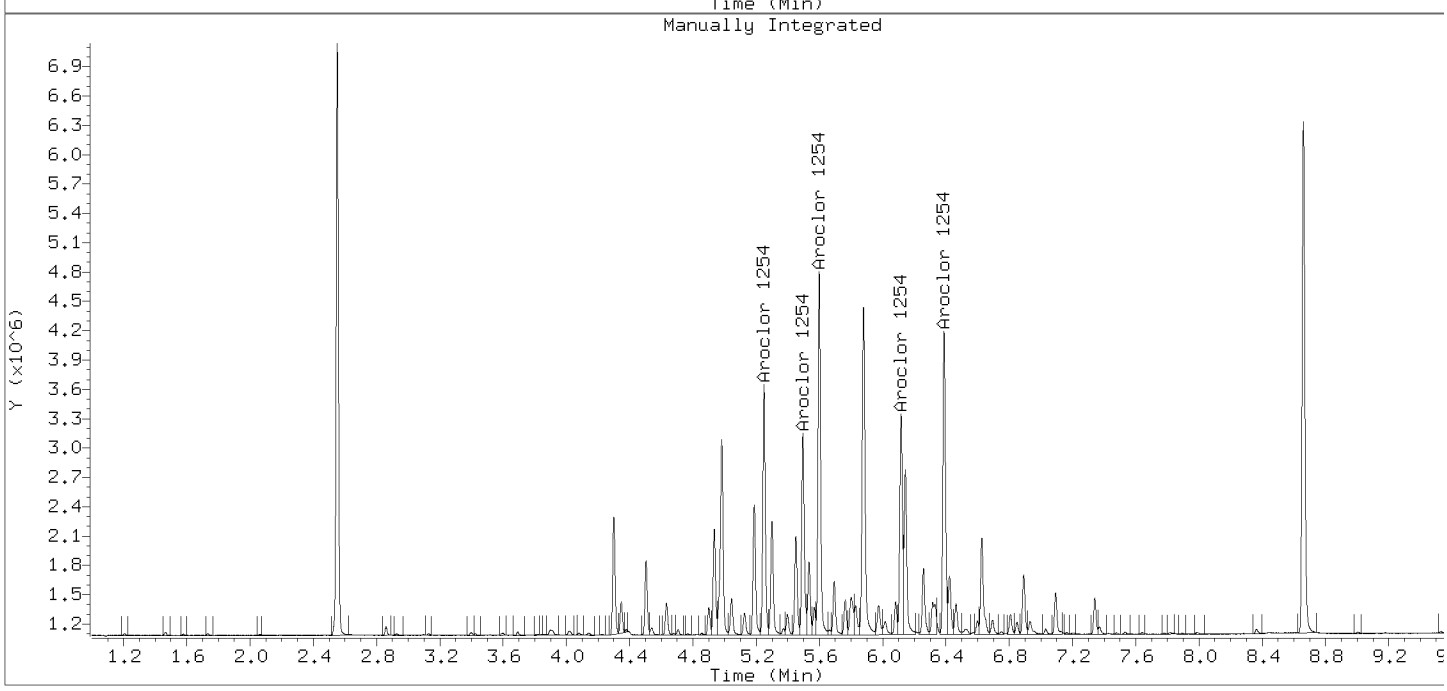
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618047.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:13 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-CAL3C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	2783706	2810430	BA
Aroclor 1254	2783706	2810430	BA
Aroclor 1254	2783706	2810430	BA
Aroclor 1254	2783706	2810430	BA
Aroclor 1254	2783706	2810430	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618049.D
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 06-MAR-2018 17:30
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal4c, 185555:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:30 Cal File: 030618049.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
1.464	64390	65874	1.023	0.06		
1.577	25516	26351	1.033	0.02		
1.731	13093	11088	0.847	0.01		
2.550	11427265	11616723	1.017	12.34		
2.859	154643	157441	1.018	0.16		
2.924	28684	25720	0.897	0.03		
3.127	30777	29017	0.943	0.03		
3.397	47845	45756	0.956	0.05		
3.423	27777	23207	0.835	0.03		
3.595	41245	32377	0.785	0.04		
3.693	66449	65259	0.982	0.07		
3.839	10741	9231	0.859	0.01		
3.896	87286	64505	0.739	0.09		
4.020	91281	65929	0.722	0.09		
4.079	34212	30979	0.906	0.03		
4.145	24406	22679	0.929	0.02		
4.222	12868	12406	0.964	0.01		
4.300	1907497	1778587	0.932	2.06		
4.346	534413	509877	0.954	0.57		
4.377	92665	70416	0.760	0.10		
4.504	1193840	1129888	0.946	1.29		
4.539	128796	113105	0.878	0.13		
4.633	544433	518948	0.953	0.58		
4.679	23461	24781	1.056	0.02		
4.704	103122	86444	0.838	0.11		
4.766	25745	22156	0.861	0.02		
4.823	12787	12362	0.967	0.01		
4.855	31076	29151	0.938	0.03		
4.900	453377	435690	0.961	0.48		
4.935	1795314	1618070	0.901	1.94		
4.983	3864895	2996090	0.775	4.17		
5.045	671371	581581	0.866	0.72		
5.126	401181	343780	0.857	0.43		
5.188	2248749	1994327	0.887	2.43		
5.250	4179239	3753259	0.898	4.51	7 Aroclor 1254	BA
5.300	1984581	1696133	0.855	2.14		
5.372	110211	101849	0.924	0.11		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.397	357665	315589	0.882	0.38	
5.451	1677401	1493106	0.890	1.81	
5.495	3545718	3156290	0.890	3.83	7 Aroclor 1254
5.534	1261759	1118433	0.886	1.36	
5.567	439646	426388	0.970	0.47	
5.598	6470836	5657454	0.874	6.99	7 Aroclor 1254
5.693	952910	819381	0.860	1.02	
5.763	590770	551055	0.933	0.63	
5.802	885275	598031	0.676	0.95	
5.829	585159	466775	0.798	0.63	
5.878	6597002	5107795	0.774	7.12	
5.974	620972	468985	0.755	0.67	
6.017	333256	207051	0.621	0.36	
6.081	558514	532214	0.953	0.60	
6.116	4123224	3431973	0.832	4.45	7 Aroclor 1254
6.144	3067518	2468041	0.805	3.31	
6.257	1235034	1005458	0.814	1.33	
6.316	922713	507089	0.550	0.99	
6.388	5517236	4682532	0.849	5.96	7 Aroclor 1254
6.423	1079585	910674	0.844	1.16	
6.464	625787	492586	0.787	0.67	
6.526	164607	87710	0.533	0.17	
6.599	218891	207406	0.948	0.23	
6.626	1919579	1439701	0.750	2.07	
6.693	294723	228246	0.774	0.31	
6.750	63223	46588	0.737	0.06	
6.808	364542	305147	0.837	0.39	
6.848	219349	189944	0.866	0.23	
6.891	1101997	959404	0.871	1.19	
6.932	330434	205314	0.621	0.35	
7.030	105600	87584	0.829	0.11	
7.093	769743	642738	0.835	0.83	
7.161	34719	28304	0.815	0.03	
7.341	625220	561800	0.899	0.67	
7.372	147644	117566	0.796	0.15	
7.429	19727	13710	0.695	0.02	
7.478	31942	25297	0.792	0.03	
7.531	45239	34496	0.763	0.04	
7.644	36240	27506	0.759	0.03	
7.780	22195	20576	0.927	0.02	
7.817	36298	32148	0.886	0.03	
7.891	24590	19203	0.781	0.02	
7.991	37131	31481	0.848	0.04	
8.364	94700	81370	0.859	0.10	
8.660	11840142	9785210	0.826	13.22	
9.004	14723	12151	0.825	0.01	
9.174	13711	13022	0.950	0.01	
9.527	16175	12252	0.757	0.01	
	92536295	79753810		100.000	

Total unknown % area = 74

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618049.D
Lab Smp Id: 1254-CAL4C Client Smp ID: 1254-CAL4C
Inj Date : 06-MAR-2018 17:30
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal4c, 185555:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:30 Cal File: 030618049.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			
5.249	5.249	0.000	4179239	0.80000	0.74	0.00- 20.00	100.00(M)	BA
5.495	5.496	-0.001	3545717	0.80000	0.75	0.00- 20.00	84.84	BA
5.598	5.598	0.000	6470835	0.80000	0.75	0.00- 20.00	154.83	BA
6.115	6.117	-0.002	4123224	0.80000	0.77	0.00- 20.00	98.66	BA
6.388	6.388	0.000	5517236	0.80000	0.75	0.00- 20.00	132.02	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\40GCSK.i\030618.b\030618049.D

Date : 06-MAR-2018 17:30

Client ID: 1254-CAL4C

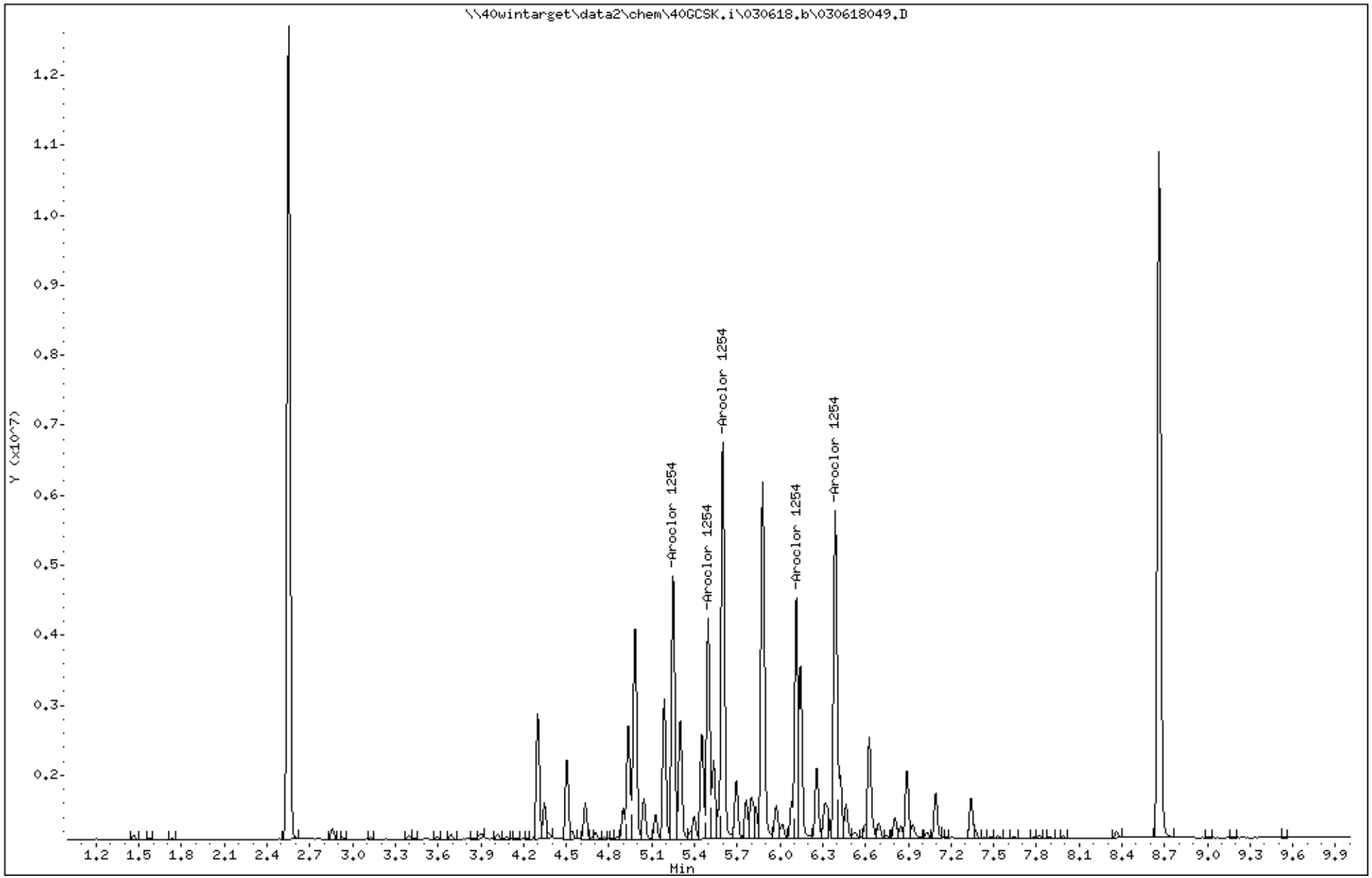
Instrument: 40GCSK.i

Sample Info: 1254-CAL4C, 185555:1

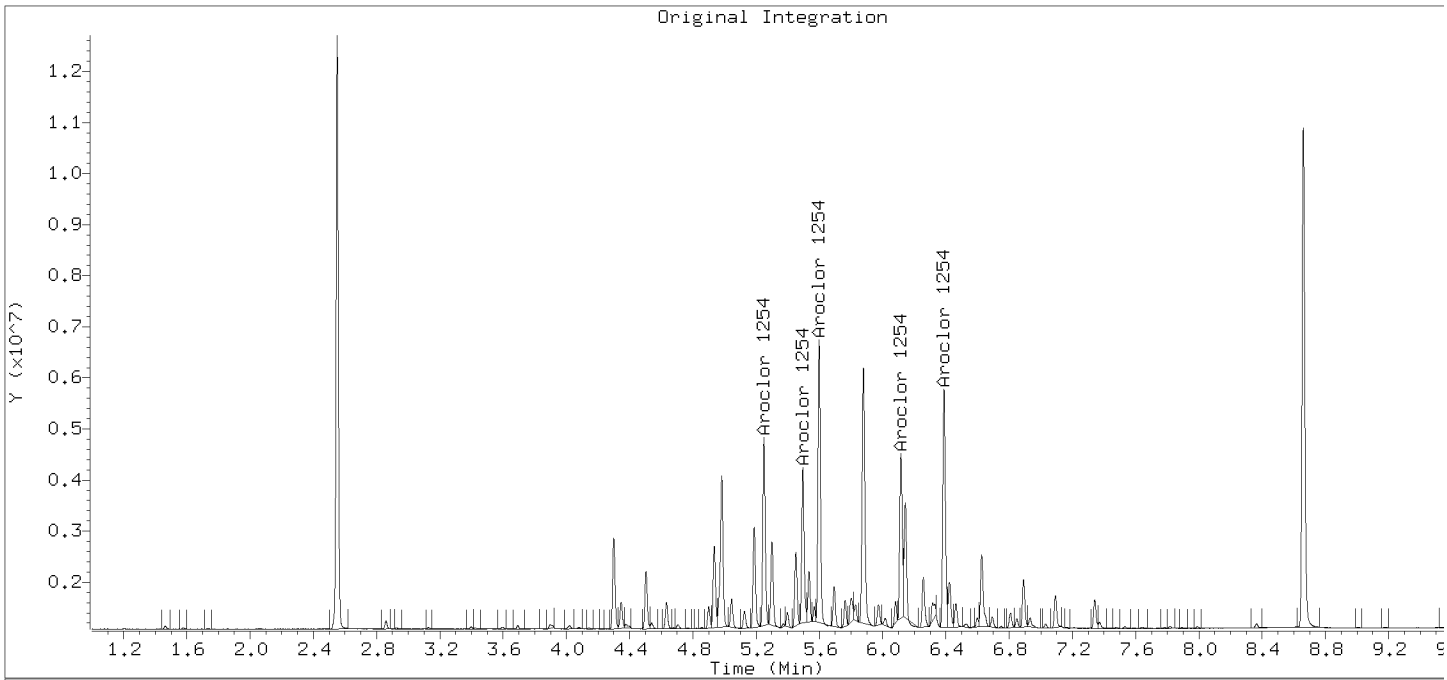
Operator: BLM

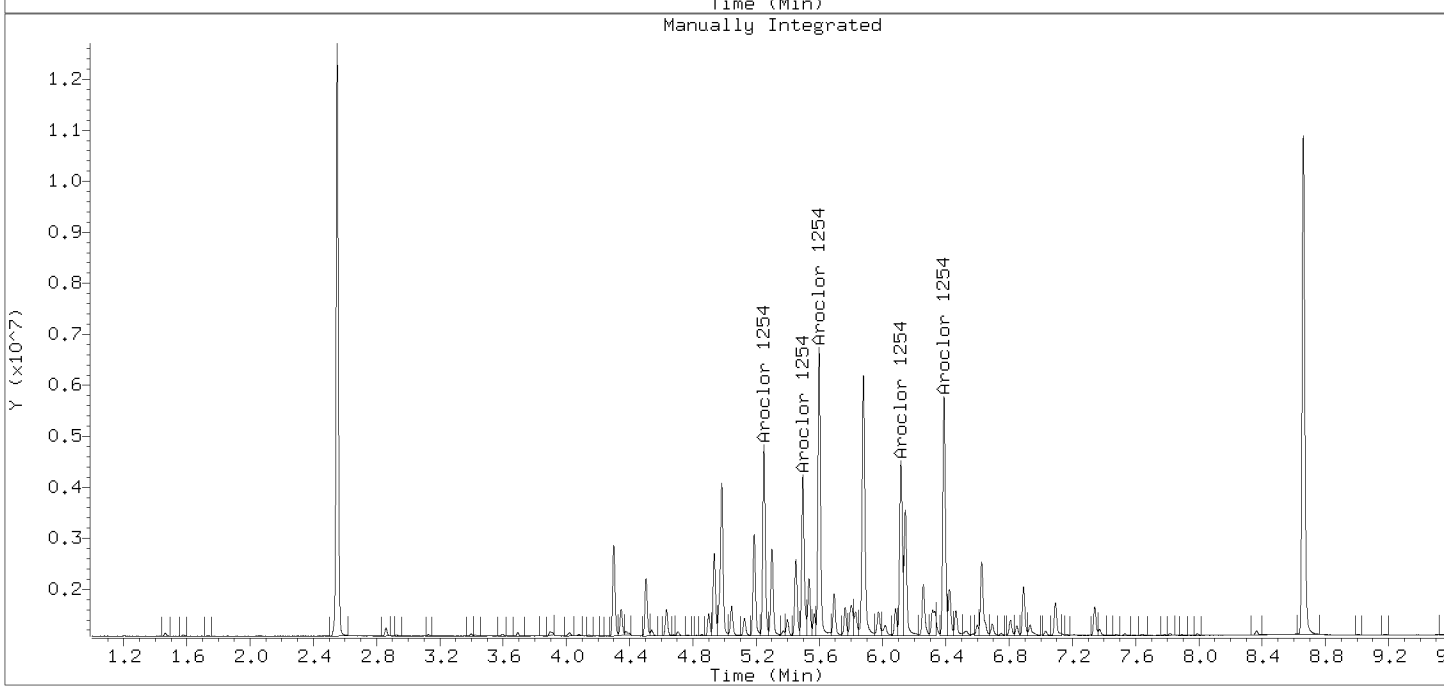
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618049.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:30 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-CAL4C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	3974085	4179239	BA
Aroclor 1254	3974085	4179239	BA
Aroclor 1254	3974085	4179239	BA
Aroclor 1254	3974085	4179239	BA
Aroclor 1254	3974085	4179239	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618051.D
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 06-MAR-2018 17:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal5c, 185556:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 17:46 Cal File: 030618051.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
1.465	98600	95105	0.965	0.08		
1.579	39200	38998	0.995	0.03		
1.729	11895	11951	1.005	0.00		
2.551	17433191	17770868	1.019	14.87		
2.634	22771	18618	0.818	0.01		
2.859	236914	237668	1.003	0.19		
2.926	38186	30746	0.805	0.03		
3.128	47285	43486	0.920	0.03		
3.397	52347	52836	1.009	0.04		
3.425	28417	27703	0.975	0.02		
3.595	62192	41755	0.671	0.05		
3.692	91474	92559	1.012	0.07		
3.812	13321	15107	1.134	0.01		
3.839	11099	12946	1.166	0.00		
3.898	109561	79975	0.730	0.09		
4.022	117089	81273	0.694	0.09		
4.080	44719	37669	0.842	0.03		
4.145	33522	28480	0.850	0.02		
4.223	14567	14643	1.005	0.01		
4.299	2349734	2244001	0.955	1.94		
4.346	653940	649144	0.993	0.54		
4.378	95471	77362	0.810	0.07		
4.503	1480533	1385288	0.936	1.22		
4.539	165720	137990	0.833	0.13		
4.633	683548	641672	0.939	0.56		
4.679	29212	27309	0.935	0.02		
4.706	116610	107251	0.920	0.09		
4.769	29479	26679	0.905	0.02		
4.824	18637	14687	0.788	0.01		
4.854	37029	34488	0.931	0.03		
4.900	573369	559985	0.977	0.47		
4.935	2225667	2032197	0.913	1.83		
4.982	4789702	3797066	0.793	3.95		
5.044	826880	721939	0.873	0.68		
5.125	501498	442353	0.882	0.41		
5.188	2788492	2447255	0.878	2.30		
5.249	5183401	4627042	0.893	4.28	7 Aroclor 1254	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.299	2442771	2106397	0.862	2.01	
5.372	134227	124410	0.927	0.11	
5.397	451121	405014	0.898	0.37	
5.451	2064599	1865025	0.903	1.70	
5.495	4413391	3873618	0.878	3.64	7 Aroclor 1254
5.535	1577520	1372882	0.870	1.30	
5.566	549194	533397	0.971	0.45	
5.598	7970155	7117081	0.893	6.58	7 Aroclor 1254
5.662	87885	87482	0.995	0.07	
5.693	1180510	1021343	0.865	0.97	
5.762	732311	678795	0.927	0.60	
5.799	1125610	724503	0.644	0.93	
5.828	703800	591107	0.840	0.58	
5.877	8214420	6359617	0.774	6.79	
5.972	757018	588519	0.777	0.62	
6.016	426910	256570	0.601	0.35	
6.081	692903	649912	0.938	0.57	
6.116	5149285	4435916	0.861	4.25	7 Aroclor 1254
6.143	3759729	3047265	0.811	3.10	
6.256	1524034	1242973	0.816	1.25	
6.316	646439	638992	0.988	0.53	
6.330	682990	602967	0.883	0.56	
6.387	6825769	5856692	0.858	5.64	7 Aroclor 1254
6.422	1347092	1142380	0.848	1.11	
6.462	776397	626857	0.807	0.64	
6.527	197829	105255	0.532	0.16	
6.599	265139	261771	0.987	0.21	
6.626	2374159	1799967	0.758	1.96	
6.693	362312	273910	0.756	0.29	
6.750	70647	53585	0.758	0.05	
6.807	449707	390831	0.869	0.37	
6.847	271543	241774	0.890	0.22	
6.890	1362856	1154563	0.847	1.12	
6.932	373063	249053	0.668	0.30	
7.031	128675	106997	0.832	0.10	
7.092	954327	806017	0.845	0.78	
7.164	42706	35715	0.836	0.03	
7.210	34444	22252	0.646	0.02	
7.341	771745	699274	0.906	0.63	
7.370	175527	142349	0.811	0.14	
7.427	12297	11251	0.915	0.01	
7.477	32188	30366	0.943	0.02	
7.532	55927	43748	0.782	0.04	
7.643	46370	34565	0.745	0.03	
7.778	34916	30444	0.872	0.02	
7.816	70350	50730	0.721	0.05	
7.890	28412	24119	0.849	0.02	
7.988	43666	35683	0.817	0.03	
8.364	156964	123274	0.785	0.12	
8.468	12977	11373	0.876	0.01	
8.660	17325772	14627852	0.844	14.32	
9.177	23028	16117	0.700	0.01	
	120968898	106038643		100.000	

Total unknown % area = 76

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618051.D
Lab Smp Id: 1254-CAL5C Client Smp ID: 1254-CAL5C
Inj Date : 06-MAR-2018 17:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-cal5c, 185556:1
Misc Info : 17499,NSAR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 17:46 Cal File: 030618051.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			
5.249	5.249	0.000	5183400	1.00000	0.91	0.00- 20.00	100.00(M)	BA
5.494	5.496	-0.002	4413390	1.00000	0.94	0.00- 20.00	85.14	BA
5.597	5.598	-0.001	7970155	1.00000	0.92	0.00- 20.00	153.76	BA
6.115	6.117	-0.002	5149284	1.00000	0.96	0.00- 20.00	99.34	BA
6.387	6.388	-0.001	6825769	1.00000	0.93	0.00- 20.00	131.69	BA
Average of Peak Amounts =					0.93200			

QC Flag Legend

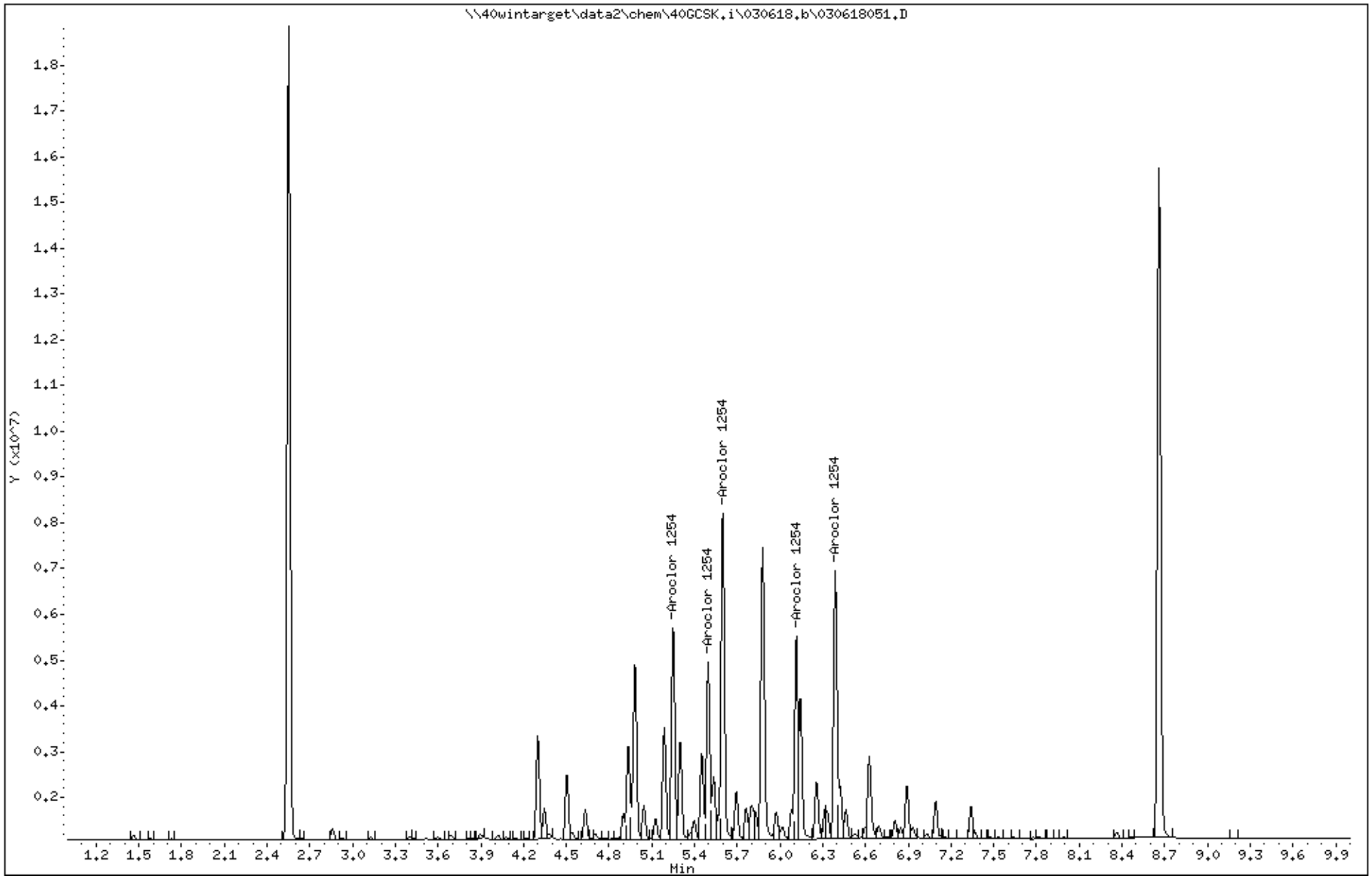
M - Compound response manually integrated.

Review Codes Legend

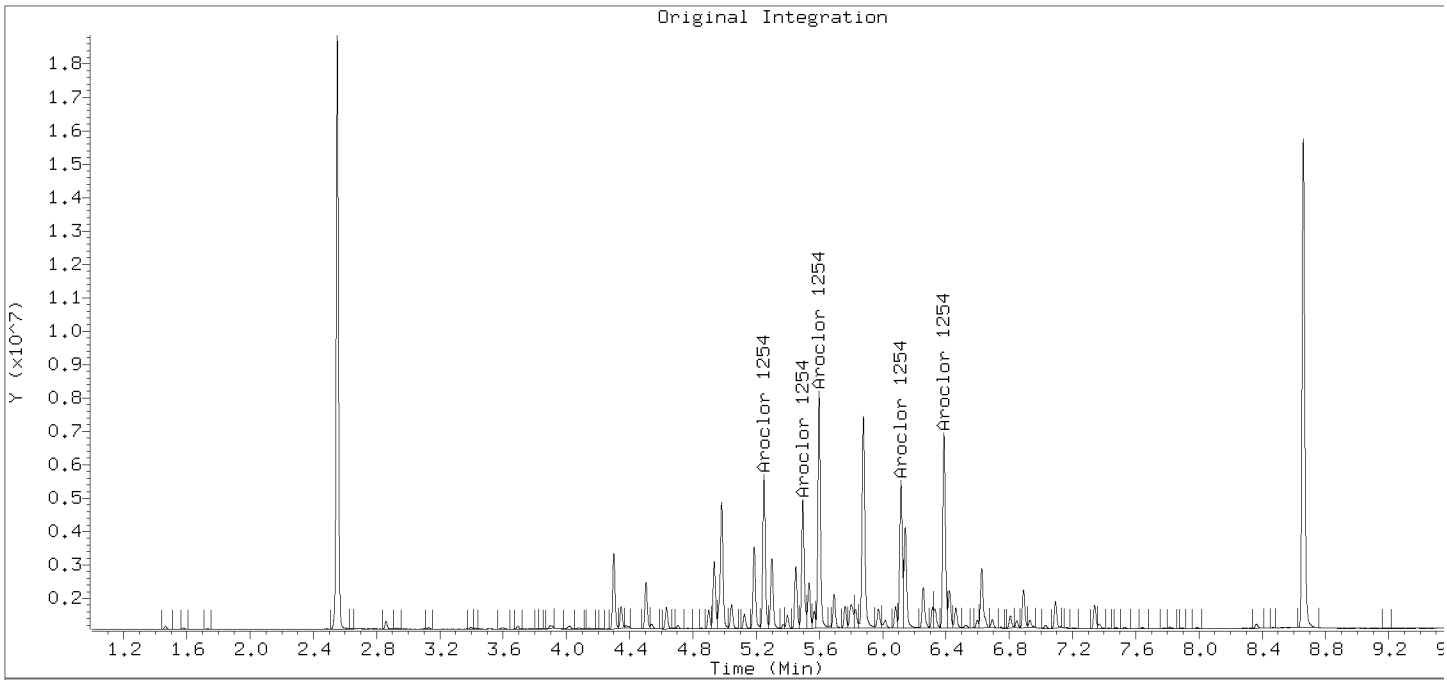
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

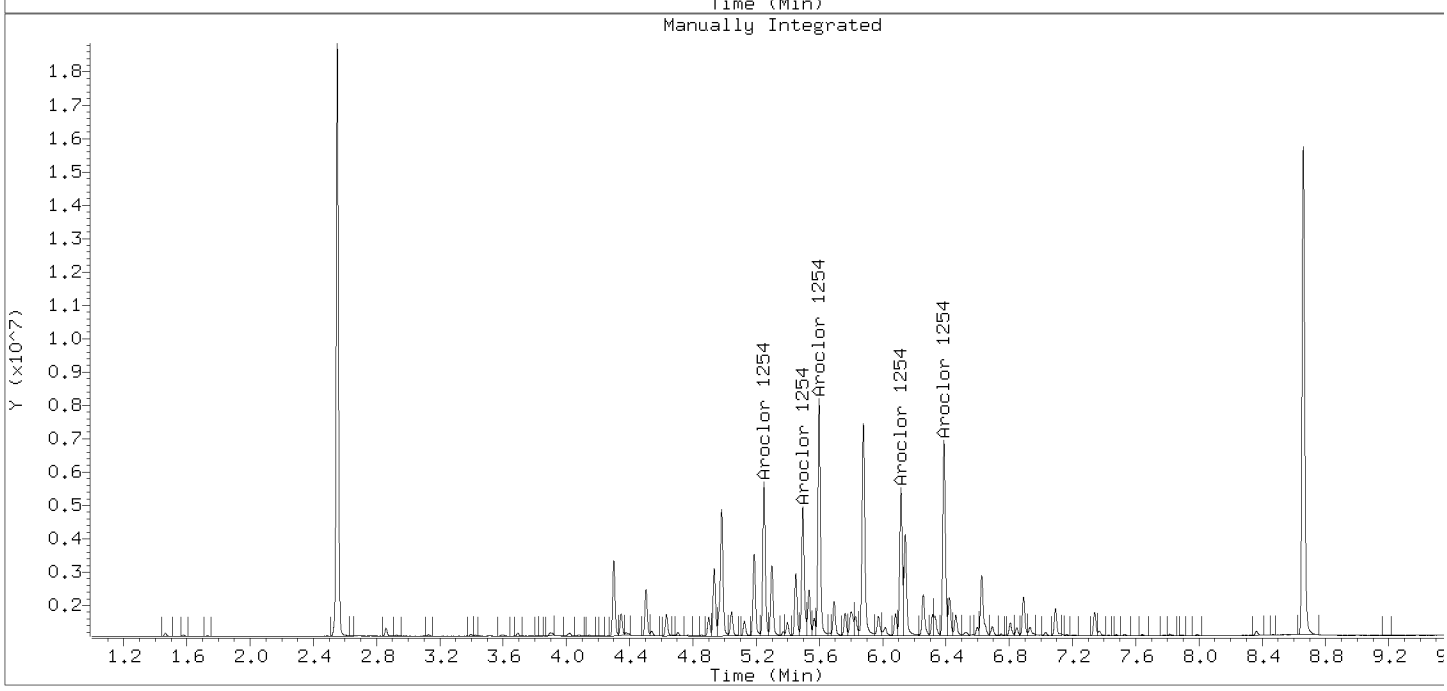
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618051.D
Date : 06-MAR-2018 17:46
Client ID: 1254-CAL5C
Sample Info: 1254-CAL5C, 185556:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618051.D (ManInt: NSAR1254.sub Orig: NSAR1254.sub)
Injection Date: 06-MAR-2018 17:46 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-CAL5C





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	5141751	5183400	BA
Aroclor 1254	5141751	5183400	BA
Aroclor 1254	5141751	5183400	BA
Aroclor 1254	5141751	5183400	BA
Aroclor 1254	5141751	5183400	BA

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618055.D
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 06-MAR-2018 18:18
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal1a, 188136:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:18 Cal File: 030618055.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
1.208	23742	21219	0.894	0.11		
1.468	12966	11277	0.870	0.06		
1.730	19931	22374	1.123	0.09		
2.062	13622	12825	0.942	0.06		
2.471	28347	23886	0.843	0.14		
2.551	1231598	1253583	1.018	6.14	$ 2 Tetrachloro-m-xylene	
2.758	47231	38012	0.805	0.23		
2.863	66867	60077	0.898	0.33		
2.926	241705	218070	0.902	1.20		
3.096	14058	12099	0.861	0.07		
3.131	37846	33637	0.889	0.18		
3.398	327496	316477	0.966	1.63	5 Aroclor 1016	BA
3.425	206930	181382	0.877	1.03		
3.514	60565	49017	0.809	0.30		
3.595	333233	238002	0.714	1.66	5 Aroclor 1016	BA
3.816	87318	84367	0.966	0.43		
3.840	79307	54054	0.682	0.39		
3.911	1003431	565387	0.563	5.00	5 Aroclor 1016	BA
4.015	426651	331992	0.778	2.13	5 Aroclor 1016	BA
4.080	284909	240711	0.845	1.42	5 Aroclor 1016	BA
4.144	113863	83449	0.733	0.56		
4.224	42679	30254	0.709	0.21		
4.301	253751	234826	0.925	1.26		
4.347	218456	205593	0.941	1.09		
4.379	100694	103939	1.032	0.50		
4.396	128387	112198	0.874	0.64		
4.504	295217	283596	0.961	1.47		
4.539	238733	174831	0.732	1.19		
4.634	391843	352555	0.900	1.95		
4.706	99821	82320	0.825	0.49		
4.855	16602	13950	0.840	0.08		
4.902	73418	64860	0.883	0.36		
4.937	112020	98838	0.882	0.55		
4.983	368569	261999	0.711	1.84		
5.046	28191	21012	0.745	0.14		
5.126	21746	19496	0.897	0.10		
5.189	77620	67665	0.872	0.38		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.250	302575	277277	0.916	1.51	
5.301	17489	14672	0.839	0.08	
5.451	24248	18029	0.744	0.12	
5.496	89642	76135	0.849	0.44	
5.567	118496	112118	0.946	0.59	
5.600	205269	181494	0.884	1.02	
5.764	305733	280821	0.919	1.52	
5.800	220991	119272	0.540	1.10	
5.874	792300	681775	0.861	3.95	
5.974	54540	45737	0.839	0.27	
6.016	24172	21868	0.905	0.12	
6.082	127480	120962	0.949	0.63	
6.120	274949	271038	0.986	1.37	
6.144	917025	768553	0.838	4.57	
6.258	539126	334616	0.621	2.69	
6.347	128030	72290	0.565	0.63	
6.388	1058620	878001	0.829	5.28	8 Aroclor 1260
6.423	164296	136951	0.834	0.82	
6.464	46290	33513	0.724	0.23	
6.522	117880	95163	0.807	0.58	
6.598	542190	470065	0.867	2.70	
6.625	88195	101332	1.149	0.44	
6.650	323762	276126	0.853	1.61	
6.693	39931	28807	0.721	0.19	
6.750	101392	92862	0.916	0.50	
6.808	548930	514164	0.937	2.74	
6.849	312137	270021	0.865	1.55	
6.892	249942	214668	0.859	1.24	
6.926	53340	42359	0.794	0.26	
6.956	25650	21293	0.830	0.12	
7.000	33498	31634	0.944	0.16	
7.031	109545	99493	0.908	0.54	
7.094	1248322	1085355	0.869	6.23	8 Aroclor 1260
7.163	50064	34360	0.686	0.24	
7.210	69354	47794	0.689	0.34	
7.341	580029	513477	0.885	2.89	8 Aroclor 1260
7.371	180672	139066	0.770	0.90	
7.479	292721	236729	0.809	1.46	
7.532	358326	294551	0.822	1.78	8 Aroclor 1260
7.636	22248	20638	0.928	0.11	
7.781	142311	125192	0.880	0.71	
7.816	34626	20152	0.582	0.17	
7.886	20082	15573	0.775	0.10	
7.989	328258	265177	0.808	1.63	8 Aroclor 1260
8.053	33127	20705	0.625	0.16	
8.363	78385	68986	0.880	0.39	
8.445	16076	12639	0.786	0.08	
8.660	1456969	1237369	0.849	7.68	$ 12 Decachlorobiphenyl
9.007	18760	15163	0.808	0.09	
9.530	12876	11711	0.910	0.06	
	20030229	16847575		100.000	

Total unknown % area = 56

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618055.D
Lab Smp Id: 1660-CAL1A Client Smp ID: 1660-CAL1A
Inj Date : 06-MAR-2018 18:18
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal1a, 188136:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:18 Cal File: 030618055.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			
2.551	2.550	0.001	1231597	0.01000	0.010			
5 Aroclor 1016					CAS #: 12674-11-2			
3.398	3.397	0.001	327496	0.10000	0.11	0.00- 20.00	100.00(M)	BA
3.594	3.595	-0.001	333233	0.10000	0.11	0.00- 20.00	101.75	BA
3.910	3.910	0.000	1003431	0.10000	0.11	0.00- 20.00	306.39	BA
4.014	4.013	0.001	426651	0.10000	0.11	0.00- 20.00	130.28	BA
4.079	4.079	0.000	284909	0.10000	0.11	0.00- 20.00	87.00	BA
Average of Peak Amounts =					0.11000			
8 Aroclor 1260					CAS #: 11096-82-5			
6.388	6.388	0.000	1058619	0.10000	0.11	0.00- 20.00	100.00(M)	BA
7.093	7.092	0.001	1248322	0.10000	0.11	0.00- 20.00	117.92	BA
7.341	7.340	0.001	580028	0.10000	0.10	0.00- 20.00	54.79	BA
7.531	7.531	0.000	358325	0.10000	0.11	0.00- 20.00	33.85	BA
7.989	7.988	0.001	328258	0.10000	0.10	0.00- 20.00	31.01	BA
Average of Peak Amounts =					0.10600			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.660	8.660	0.000	1456968	0.01000	0.011			

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\40GCSK.i\030618.b\030618055.D

Date : 06-MAR-2018 18:18

Client ID: 1660-CAL1A

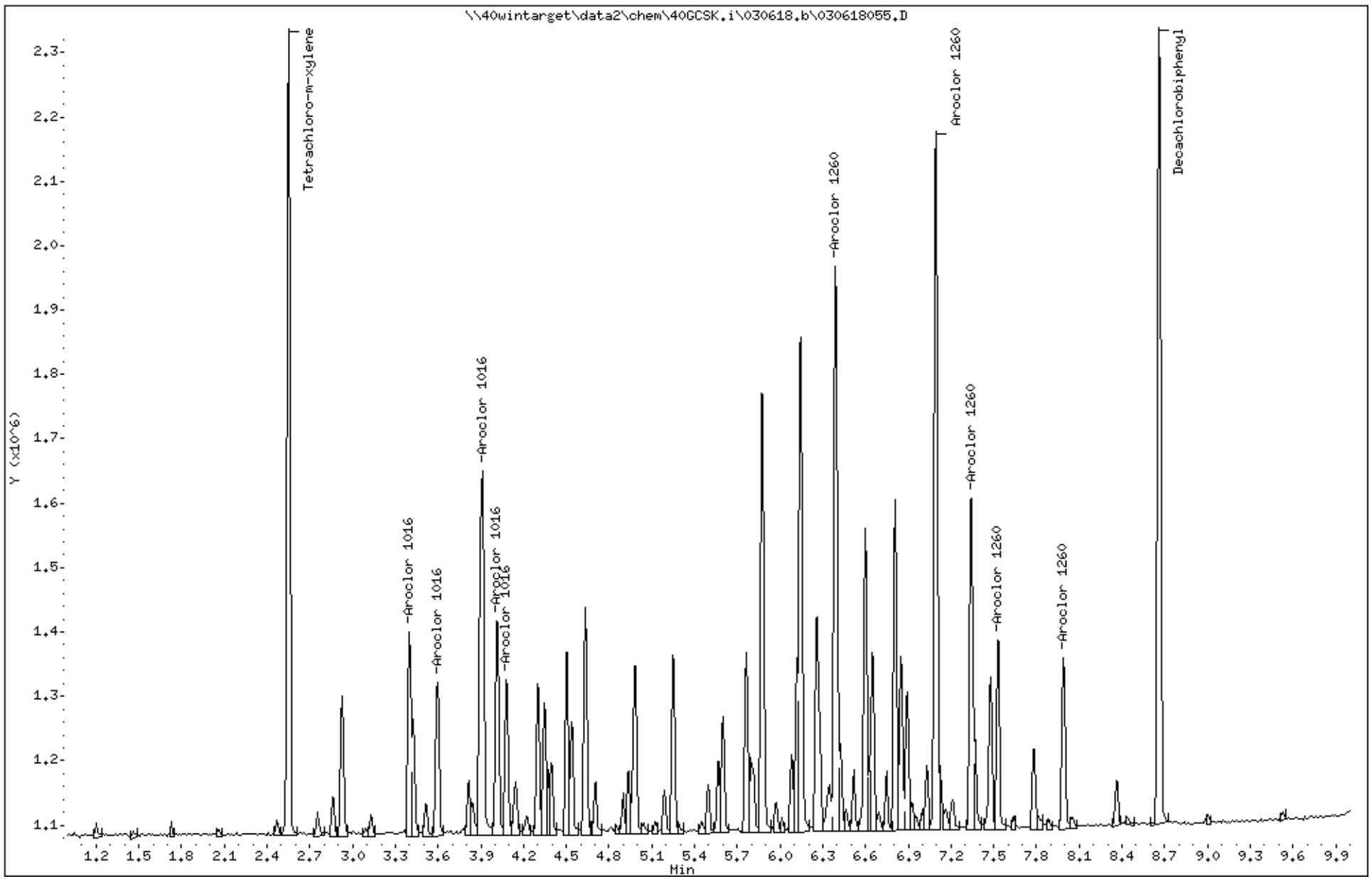
Instrument: 40GCSK.i

Sample Info: 1660-CAL1A, 188136:1

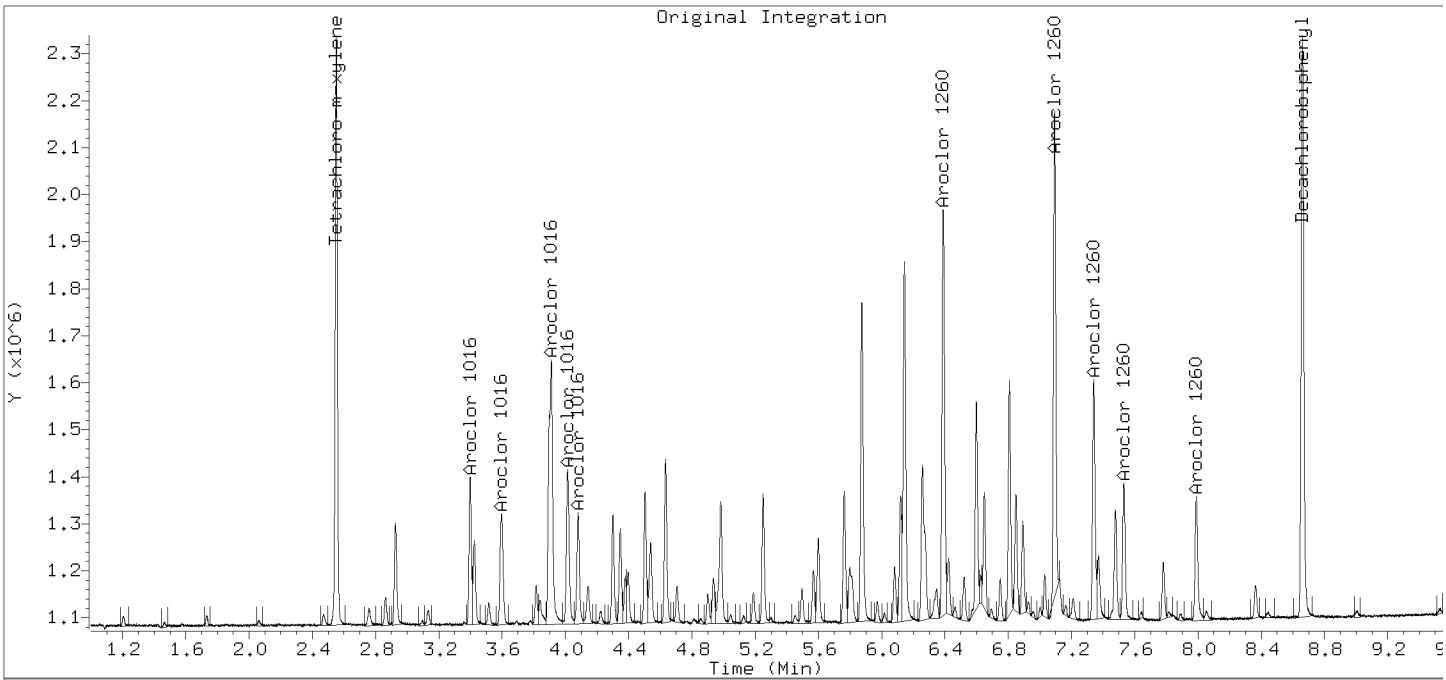
Operator: BLM

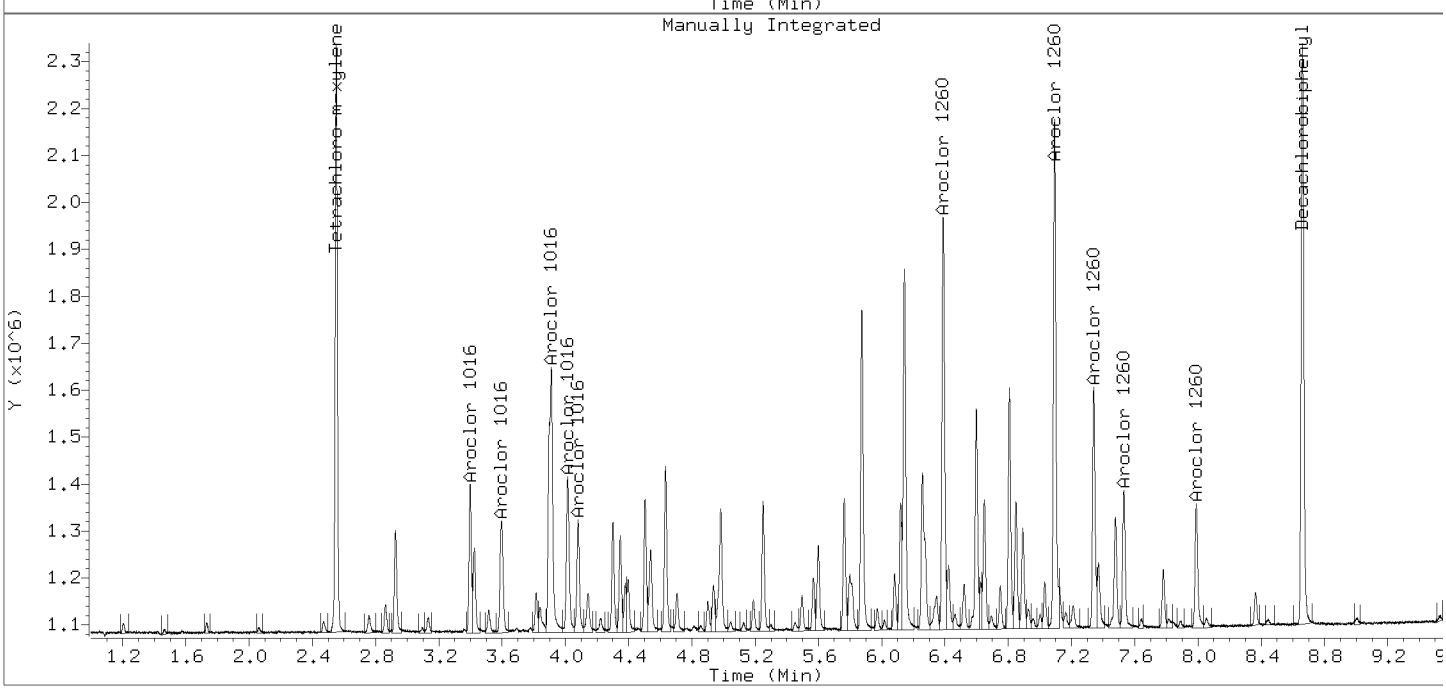
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618055.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 18:18 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-CAL1A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	321700	327496	BA
Aroclor 1016	321700	327496	BA
Aroclor 1016	321700	327496	BA
Aroclor 1016	321700	327496	BA
Aroclor 1016	321700	327496	BA
Aroclor 1260	1016610	1058619	BA
Aroclor 1260	1016610	1058619	BA
Aroclor 1260	1016610	1058619	BA
Aroclor 1260	1016610	1058619	BA
Aroclor 1260	1016610	1058619	BA
Tetrachloro-m-xylene	1231597	1231597	
Decachlorobiphenyl	1456968	1456968	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618057.D
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 06-MAR-2018 18:34
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal2a, 185558:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:34 Cal File: 030618057.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
1.464	13785	14457	1.049	0.03		
1.732	13216	13816	1.045	0.03		
2.469	57992	46229	0.797	0.15		
2.551	2407490	2419128	1.005	6.23	$ 2 Tetrachloro-m-xylene	
2.759	84586	67641	0.800	0.21		
2.863	124348	117925	0.948	0.32		
2.926	469400	428683	0.913	1.21		
3.132	68602	65627	0.957	0.17		
3.398	653826	627422	0.960	1.69	5 Aroclor 1016	BA
3.424	387782	361869	0.933	1.00		
3.516	101370	94375	0.931	0.26		
3.597	653860	471570	0.721	1.69	5 Aroclor 1016	BA
3.689	17417	16994	0.976	0.04		
3.777	19857	17576	0.885	0.05		
3.815	160657	157988	0.983	0.41		
3.841	116640	100628	0.863	0.30		
3.911	1956532	1074164	0.549	5.07	5 Aroclor 1016	BA
4.014	835795	657847	0.787	2.16	5 Aroclor 1016	BA
4.080	549802	487902	0.887	1.42	5 Aroclor 1016	BA
4.144	167110	145737	0.872	0.43		
4.224	64028	57495	0.898	0.16		
4.300	481916	461707	0.958	1.24		
4.346	429000	404791	0.944	1.11		
4.379	179111	183259	1.023	0.46		
4.396	235651	208157	0.883	0.61		
4.504	587382	565398	0.963	1.52		
4.539	460526	335894	0.729	1.19		
4.633	785768	700778	0.892	2.03		
4.706	183508	156199	0.851	0.47		
4.812	31674	23715	0.749	0.08		
4.855	25079	24661	0.983	0.06		
4.900	139731	125090	0.895	0.36		
4.935	221691	194754	0.878	0.57		
4.983	700480	530474	0.757	1.81		
5.046	54613	38839	0.711	0.14		
5.127	40598	35812	0.882	0.10		
5.188	149670	130036	0.869	0.38		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.250	592525	535874	0.904	1.53	
5.299	33733	27240	0.808	0.08	
5.453	37787	35311	0.934	0.09	
5.498	158289	145789	0.921	0.41	
5.567	229174	216926	0.947	0.59	
5.599	404184	355971	0.881	1.04	
5.764	593337	564664	0.952	1.53	
5.797	392547	230399	0.587	1.01	
5.875	1520828	1305239	0.858	3.94	
5.973	106641	89979	0.844	0.27	
6.016	48562	39789	0.819	0.12	
6.081	251753	226057	0.898	0.65	
6.120	539193	553109	1.026	1.39	
6.144	1779650	1474387	0.828	4.61	
6.258	1067893	673314	0.631	2.76	
6.347	249314	142359	0.571	0.64	
6.389	2049148	1675567	0.818	5.31	8 Aroclor 1260
6.423	317488	263736	0.831	0.82	
6.465	92888	64304	0.692	0.24	
6.522	216712	181051	0.835	0.56	
6.574	43872	57016	1.300	0.11	
6.599	1015251	904559	0.891	2.63	
6.626	181882	197373	1.085	0.47	
6.650	638890	555959	0.870	1.65	
6.695	74654	54596	0.731	0.19	
6.751	194456	173713	0.893	0.50	
6.808	1082195	963350	0.890	2.80	
6.848	613074	529113	0.863	1.58	
6.893	493813	426724	0.864	1.27	
6.928	95388	81123	0.850	0.24	
6.958	50003	40639	0.813	0.12	
7.003	66807	63050	0.944	0.17	
7.032	211789	184743	0.872	0.54	
7.094	2363150	2091095	0.885	6.12	8 Aroclor 1260
7.122	182764	170234	0.931	0.47	
7.164	92478	64019	0.692	0.23	
7.212	105092	85899	0.817	0.27	
7.340	1144456	1006989	0.880	2.96	8 Aroclor 1260
7.371	360407	271366	0.753	0.93	
7.479	572348	469646	0.821	1.48	
7.532	714584	607295	0.850	1.85	8 Aroclor 1260
7.643	54199	38484	0.710	0.14	
7.781	275281	240871	0.875	0.71	
7.816	53491	34777	0.650	0.13	
7.889	34740	26391	0.760	0.09	
7.989	643013	539218	0.839	1.66	8 Aroclor 1260
8.055	63222	37979	0.601	0.16	
8.365	173833	139988	0.805	0.45	
8.661	2666426	2216544	0.831	7.30	$ 12 Decachlorobiphenyl
9.529	12194	11664	0.957	0.03	
	38585893	32650119		100.000	

Total unknown % area = 56

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618057.D
Lab Smp Id: 1660-CAL2A Client Smp ID: 1660-CAL2A
Inj Date : 06-MAR-2018 18:34
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal2a, 185558:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:34 Cal File: 030618057.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			
2.551	2.550	0.001	2407489	0.02000	0.020			
5 Aroclor 1016					CAS #: 12674-11-2			
3.397	3.397	0.000	653825	0.20000	0.21	0.00- 20.00	100.00(M)	BA
3.596	3.595	0.001	653860	0.20000	0.21	0.00- 20.00	100.01	BA
3.910	3.910	0.000	1956532	0.20000	0.21	0.00- 20.00	299.24	BA
4.014	4.013	0.001	835794	0.20000	0.21	0.00- 20.00	127.83	BA
4.079	4.079	0.000	549801	0.20000	0.21	0.00- 20.00	84.09	BA
Average of Peak Amounts =					0.21000			
8 Aroclor 1260					CAS #: 11096-82-5			
6.389	6.388	0.001	2049147	0.20000	0.21	0.00- 20.00	100.00(M)	CO
7.093	7.092	0.001	2363149	0.20000	0.20	0.00- 20.00	115.32	CO
7.339	7.340	-0.001	1144455	0.20000	0.21	0.00- 20.00	55.85	CO
7.531	7.531	0.000	714584	0.20000	0.21	0.00- 20.00	34.87	CO
7.989	7.988	0.001	643013	0.20000	0.21	0.00- 20.00	31.38	CO
Average of Peak Amounts =					0.20800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.660	8.660	0.000	2666425	0.02000	0.021			

QC Flag Legend

M - Compound response manually integrated.

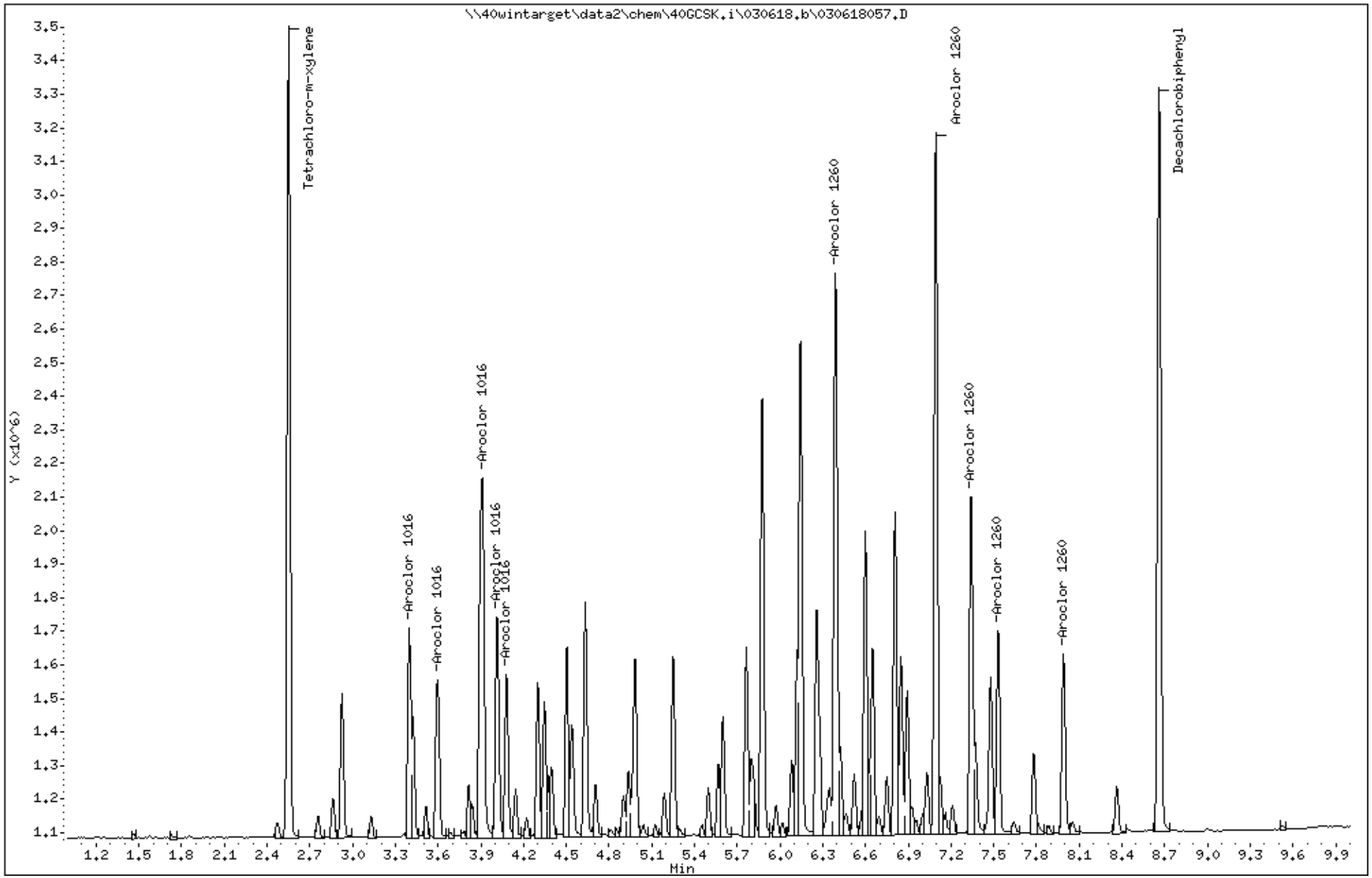
QC Flag Legend

Review Codes Legend

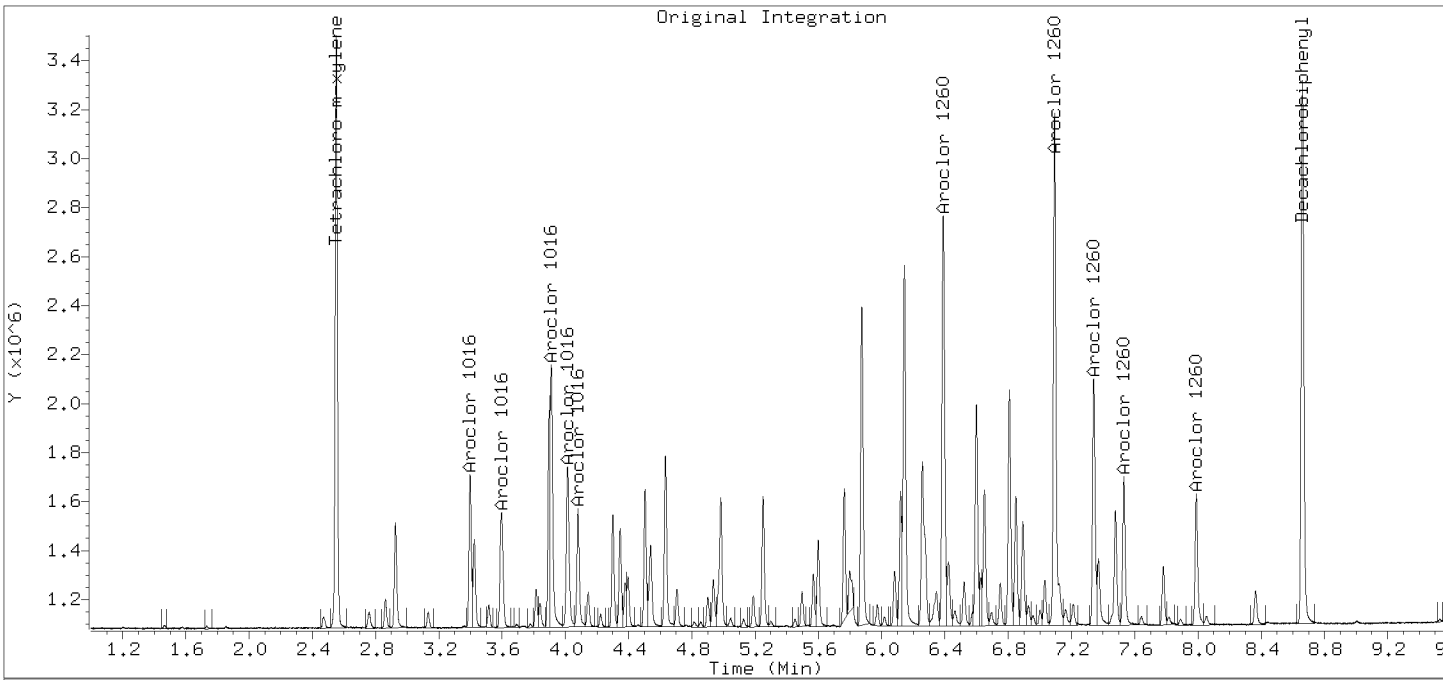
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

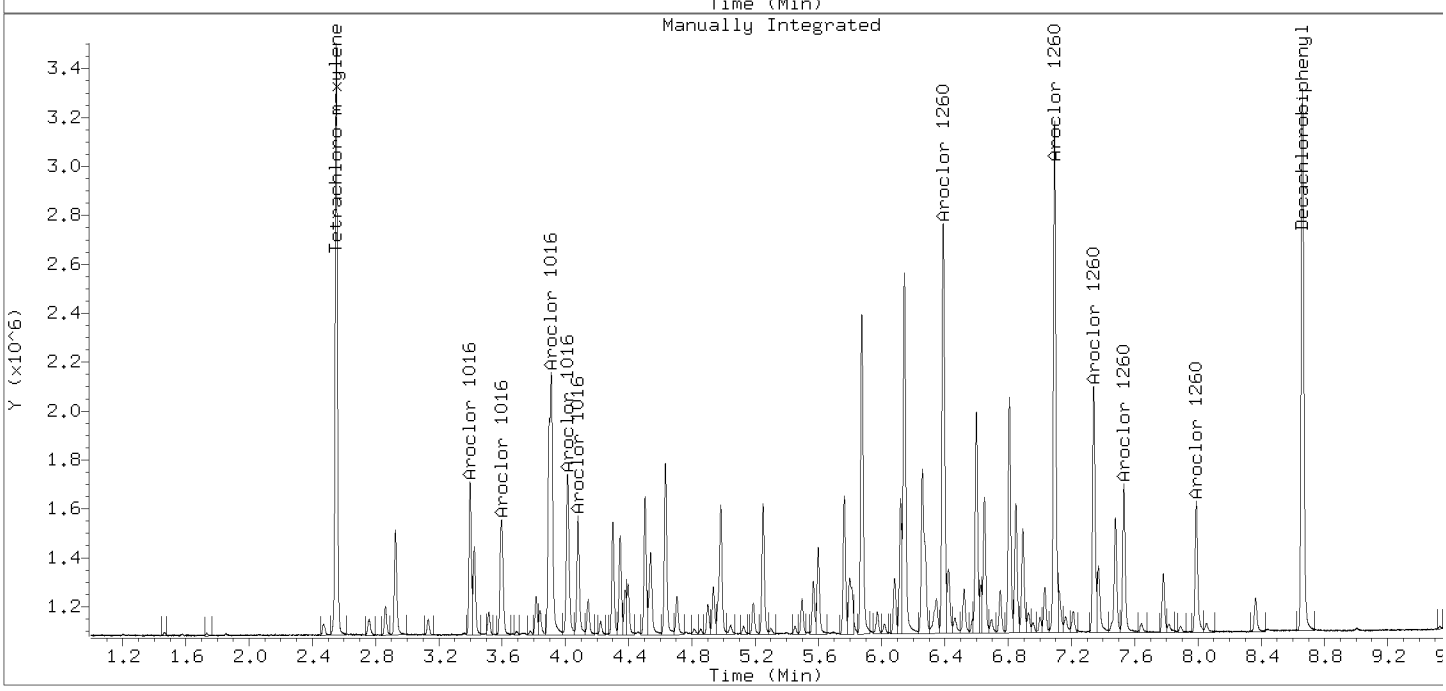
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618057.D
Date : 06-MAR-2018 18:34
Client ID: 1660-CAL2A
Sample Info: 1660-CAL2A, 185558:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618057.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 18:34 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-CAL2A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	645608	653825	BA
Aroclor 1016	645608	653825	BA
Aroclor 1016	645608	653825	BA
Aroclor 1016	645608	653825	BA
Aroclor 1016	645608	653825	BA
Aroclor 1260	2043752	2049147	CO
Aroclor 1260	2043752	2049147	CO
Aroclor 1260	2043752	2049147	CO
Aroclor 1260	2043752	2049147	CO
Aroclor 1260	2043752	2049147	CO
Tetrachloro-m-xylene	2407489	2407489	
Decachlorobiphenyl	2666425	2666425	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618059.D
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 06-MAR-2018 18:51
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal3a, 185559:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 18:51 Cal File: 030618059.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
1.205	17422	16477	0.946	0.01		
1.464	29983	33254	1.109	0.03		
1.576	25894	18265	0.705	0.02		
1.730	23003	26438	1.149	0.02		
1.855	20483	16160	0.789	0.02		
2.063	13354	9370	0.702	0.01		
2.470	130931	106878	0.816	0.14		
2.551	5741612	5761776	1.004	6.36	$ 2 Tetrachloro-m-xylene	
2.760	188010	152085	0.809	0.20		
2.863	288397	271798	0.942	0.31		
2.925	1086866	1003808	0.924	1.20		
3.131	156885	144354	0.920	0.17		
3.361	23714	18166	0.766	0.02		
3.397	1483614	1392060	0.938	1.64	5 Aroclor 1016	BA
3.424	929480	836769	0.900	1.03		
3.516	246643	212973	0.863	0.27		
3.596	1520973	1103744	0.726	1.68	5 Aroclor 1016	BA
3.693	39645	36825	0.929	0.04		
3.729	28441	17950	0.631	0.03		
3.778	42486	42521	1.001	0.04		
3.814	385190	376256	0.977	0.42		
3.839	286791	234541	0.818	0.31		
3.910	4509874	2536572	0.562	4.99	5 Aroclor 1016	BA
4.013	1923009	1513474	0.787	2.13	5 Aroclor 1016	BA
4.079	1285269	1166724	0.908	1.42	5 Aroclor 1016	BA
4.144	383851	335915	0.875	0.42		
4.223	162422	128608	0.792	0.18		
4.300	1109387	1052414	0.949	1.22		
4.347	1001002	953024	0.952	1.10		
4.379	425629	427924	1.005	0.47		
4.395	553270	503260	0.910	0.61		
4.461	36724	24511	0.667	0.04		
4.504	1355804	1283791	0.947	1.50		
4.539	1090749	801370	0.735	1.20		
4.633	1805459	1599165	0.886	2.00		
4.706	411168	375176	0.912	0.45		
4.767	28946	22395	0.774	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.814	65529	52221	0.797	0.07	
4.857	58913	50060	0.850	0.06	
4.900	320403	299801	0.936	0.35	
4.935	516607	478851	0.927	0.57	
4.982	1629164	1186213	0.728	1.80	
5.044	110904	84342	0.760	0.12	
5.127	90579	79999	0.883	0.10	
5.189	337733	293391	0.869	0.37	
5.249	1356497	1232419	0.909	1.50	
5.299	68923	51610	0.749	0.07	
5.451	88524	79382	0.897	0.09	
5.495	367296	332093	0.904	0.40	
5.532	14953	17482	1.169	0.01	
5.568	522232	503710	0.965	0.57	
5.598	954933	863313	0.904	1.05	
5.692	17772	15289	0.860	0.01	
5.763	1380200	1315570	0.953	1.53	
5.798	997142	550098	0.552	1.10	
5.875	3449810	2931491	0.850	3.82	
5.971	233755	203433	0.870	0.25	
6.017	109569	90080	0.822	0.12	
6.081	585345	556110	0.950	0.64	
6.120	1294423	1284595	0.992	1.43	
6.144	3965263	3364936	0.849	4.39	
6.258	2535152	1571917	0.620	2.81	
6.346	573556	318669	0.556	0.63	
6.389	4760259	3968146	0.834	5.27	8 Aroclor 1260
6.423	748268	641630	0.857	0.82	
6.464	194603	144919	0.745	0.21	
6.520	492450	423773	0.861	0.54	
6.575	103790	129493	1.248	0.11	
6.599	2320186	2073605	0.894	2.57	
6.627	440799	480986	1.091	0.48	
6.650	1491118	1301555	0.873	1.65	
6.693	163466	128798	0.788	0.18	
6.750	455018	426716	0.938	0.50	
6.808	2509803	2199258	0.876	2.78	
6.849	1420585	1260560	0.887	1.57	
6.892	1204062	1029654	0.855	1.33	
6.928	212884	184822	0.868	0.23	
6.957	110165	92739	0.842	0.12	
7.003	152175	142099	0.934	0.16	
7.032	499946	461121	0.922	0.55	
7.093	5613089	4946951	0.881	6.22	8 Aroclor 1260
7.122	396977	384784	0.969	0.44	
7.162	195085	144078	0.739	0.21	
7.211	235903	199346	0.845	0.26	
7.341	2744092	2426154	0.884	3.04	8 Aroclor 1260
7.370	836869	662009	0.791	0.92	
7.478	1354750	1139033	0.841	1.50	
7.532	1673901	1397092	0.835	1.85	8 Aroclor 1260
7.642	130302	99098	0.761	0.14	
7.781	672580	611119	0.909	0.74	
7.817	116730	79747	0.683	0.12	
7.889	72833	58035	0.797	0.08	
7.989	1544170	1314153	0.851	1.71	8 Aroclor 1260
8.053	115978	85096	0.734	0.12	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.363	404965	343518	0.848	0.44	
8.441	10709	9225	0.861	0.01	
8.660	6360166	5349784	0.841	7.53	$ 12 Decachlorobiphenyl
9.173	10934	9124	0.834	0.01	
	90207170	76712086		100.000	

Total unknown % area = 56

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618059.D
Lab Smp Id: 1660-CAL3A Client Smp ID: 1660-CAL3A
Inj Date : 06-MAR-2018 18:51
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal3a, 185559:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 18:51 Cal File: 030618059.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			
2.550	2.550	0.000	5741612	0.05000	0.048			
5 Aroclor 1016					CAS #: 12674-11-2			
3.396	3.397	-0.001	1483614	0.50000	0.49	0.00- 20.00	100.00(M)	BA
3.595	3.595	0.000	1520973	0.50000	0.49	0.00- 20.00	102.52	BA
3.910	3.910	0.000	4509873	0.50000	0.48	0.00- 20.00	303.98	BA
4.013	4.013	0.000	1923009	0.50000	0.49	0.00- 20.00	129.62	BA
4.079	4.079	0.000	1285269	0.50000	0.48	0.00- 20.00	86.63	BA
Average of Peak Amounts =					0.48600			
8 Aroclor 1260					CAS #: 11096-82-5			
6.389	6.388	0.001	4760258	0.50000	0.48	0.00- 20.00	100.00(M)	BA
7.092	7.092	0.000	5613088	0.50000	0.49	0.00- 20.00	117.92	BA
7.340	7.340	0.000	2744091	0.50000	0.50	0.00- 20.00	57.65	BA
7.531	7.531	0.000	1673900	0.50000	0.50	0.00- 20.00	35.16	BA
7.988	7.988	0.000	1544170	0.50000	0.50	0.00- 20.00	32.44	BA
Average of Peak Amounts =					0.49400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6360165	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\40GCSK.i\030618.b\030618059.D

Date : 06-MAR-2018 18:51

Client ID: 1660-CAL3A

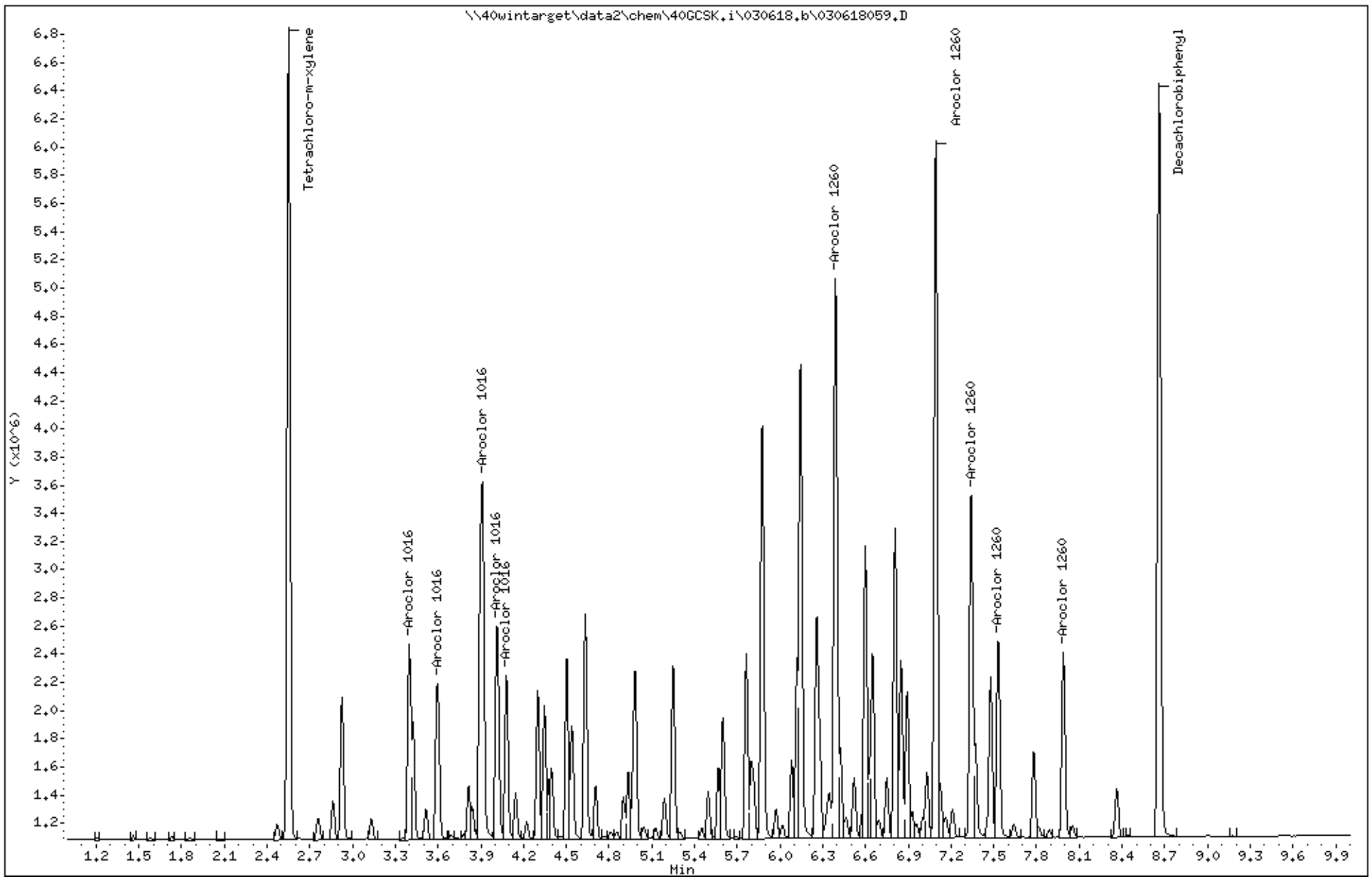
Instrument: 40GCSK.i

Sample Info: 1660-CAL3A, 185559:1

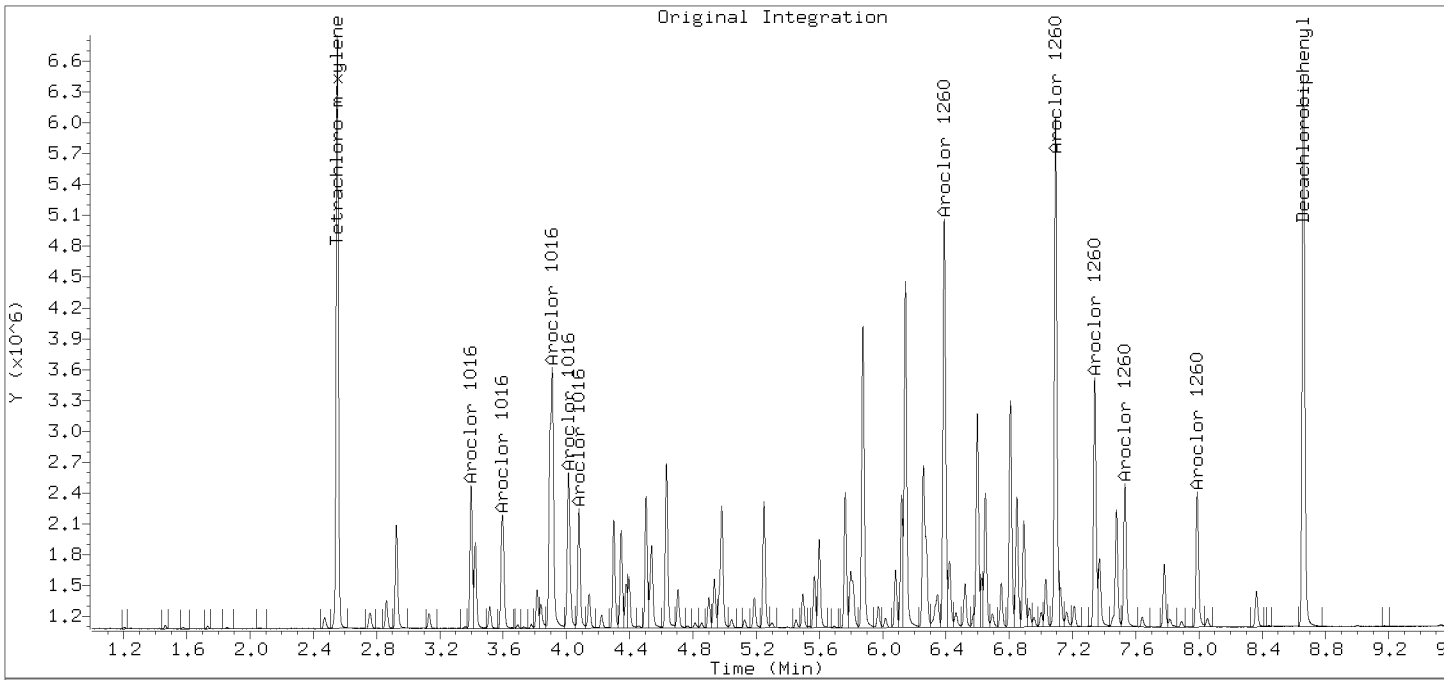
Operator: BLM

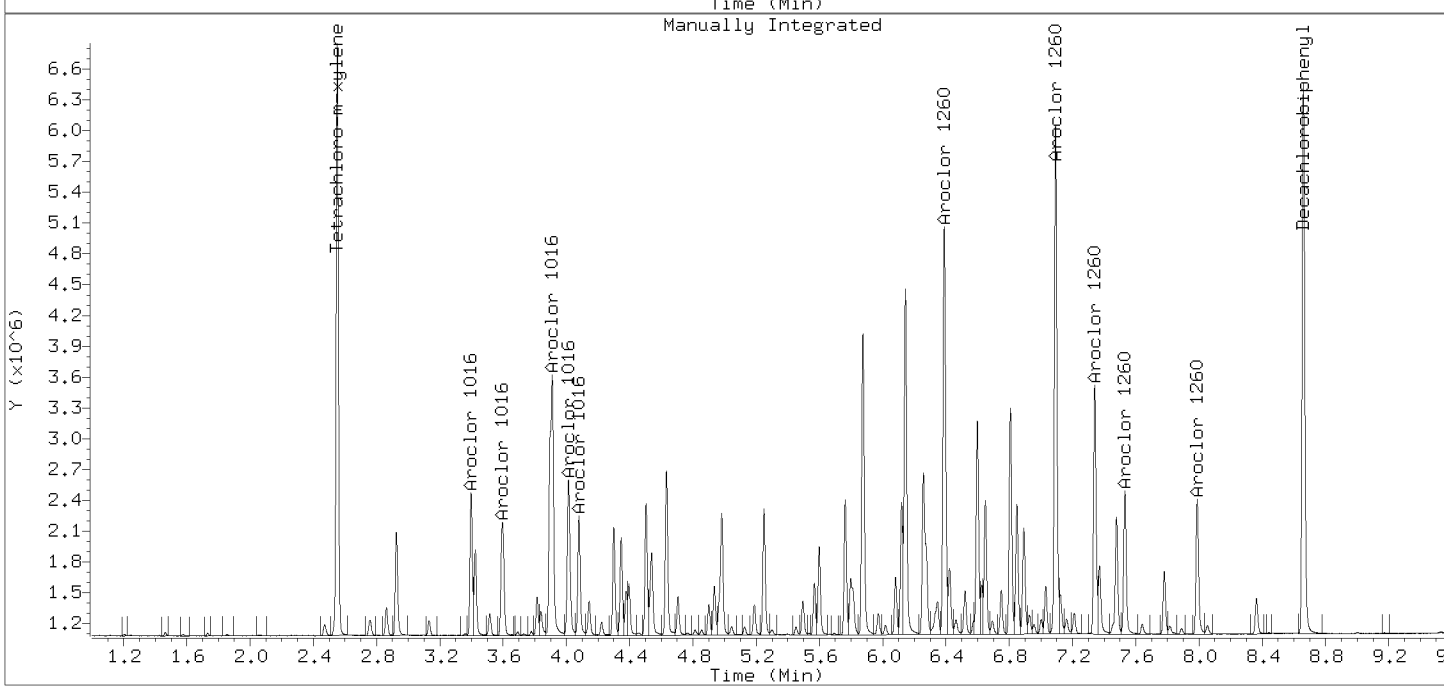
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618059.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 18:51 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-CAL3A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1479038	1483614	BA
Aroclor 1016	1479038	1483614	BA
Aroclor 1016	1479038	1483614	BA
Aroclor 1016	1479038	1483614	BA
Aroclor 1016	1479038	1483614	BA
Aroclor 1260	4756036	4760258	BA
Aroclor 1260	4756036	4760258	BA
Aroclor 1260	4756036	4760258	BA
Aroclor 1260	4756036	4760258	BA
Aroclor 1260	4756036	4760258	BA
Tetrachloro-m-xylene	5741612	5741612	
Decachlorobiphenyl	6360165	6360165	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618061.D
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 06-MAR-2018 19:07
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal4a, 185560:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:07 Cal File: 030618061.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
1.204	19095	19892	1.042	0.01		
1.464	68196	70098	1.028	0.04		
1.576	29423	27706	0.942	0.02		
1.732	23162	23271	1.005	0.01		
1.854	28599	23922	0.836	0.01		
2.062	11885	11726	0.987	0.00		
2.471	209890	171298	0.816	0.14		
2.551	11647995	11906173	1.022	8.01	$ 2 Tetrachloro-m-xylene	
2.637	12275	9541	0.777	0.00		
2.758	300516	245332	0.816	0.20		
2.862	495742	471569	0.951	0.34		
2.925	1704376	1574907	0.924	1.17		
3.096	10308	9491	0.921	0.00		
3.132	241849	235453	0.974	0.16		
3.359	33709	27507	0.816	0.02		
3.397	2301203	2153981	0.936	1.58	5 Aroclor 1016	BA
3.424	1430538	1286559	0.899	0.98		
3.515	382264	345901	0.905	0.26		
3.596	2372512	1695668	0.715	1.63	5 Aroclor 1016	BA
3.693	68953	66869	0.970	0.04		
3.728	40982	25220	0.615	0.02		
3.778	64163	61684	0.961	0.04		
3.814	612583	613440	1.001	0.42		
3.839	432499	386216	0.893	0.29		
3.910	7112187	4058851	0.571	4.89	5 Aroclor 1016	BA
4.014	2991037	2432502	0.813	2.05	5 Aroclor 1016	BA
4.079	2039566	1797056	0.881	1.40	5 Aroclor 1016	BA
4.145	600451	531209	0.885	0.41		
4.222	226895	196249	0.865	0.15		
4.300	1725122	1586246	0.919	1.18		
4.347	1564968	1476027	0.943	1.07		
4.378	656464	690034	1.051	0.45		
4.396	876760	780297	0.890	0.60		
4.458	54441	37244	0.684	0.03		
4.504	2108653	1989683	0.944	1.45		
4.540	1711267	1246496	0.728	1.17		
4.633	2823066	2464649	0.873	1.94		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.705	653483	587460	0.899	0.44	
4.766	50149	34746	0.693	0.03	
4.813	106690	82573	0.774	0.07	
4.856	88500	81194	0.917	0.06	
4.900	528189	488037	0.924	0.36	
4.934	818525	773783	0.945	0.56	
4.982	2537149	1842985	0.726	1.74	
5.045	190051	131065	0.690	0.13	
5.126	157062	127583	0.812	0.10	
5.188	541017	475922	0.880	0.37	
5.249	2106949	1866789	0.886	1.44	
5.298	103509	82965	0.802	0.07	
5.394	24672	20388	0.826	0.01	
5.451	148092	127528	0.861	0.10	
5.496	591815	550600	0.930	0.40	
5.567	838686	784164	0.935	0.57	
5.598	1511416	1339258	0.886	1.03	
5.693	30853	23274	0.754	0.02	
5.763	2145073	1989649	0.928	1.47	
5.797	1449133	863051	0.596	0.99	
5.874	5342918	4597142	0.860	3.67	
5.972	365203	325491	0.891	0.25	
6.017	174517	146155	0.837	0.12	
6.081	930535	864357	0.929	0.64	
6.119	1970988	1951135	0.990	1.35	
6.143	6137979	5227316	0.852	4.22	
6.257	3906679	2433439	0.623	2.68	
6.347	895645	518560	0.579	0.61	
6.389	7453138	6191249	0.831	5.12	8 Aroclor 1260
6.423	1153933	999443	0.866	0.79	
6.464	308987	221299	0.716	0.21	
6.521	774137	682087	0.881	0.53	
6.573	168759	204297	1.211	0.11	
6.599	3580041	3138061	0.877	2.46	
6.627	729120	764092	1.048	0.50	
6.649	2277786	2016541	0.885	1.56	
6.694	268518	204603	0.762	0.18	
6.749	737186	670719	0.910	0.50	
6.807	3880524	3483853	0.898	2.66	
6.849	2197513	1910474	0.869	1.51	
6.892	1858733	1607924	0.865	1.27	
6.927	349848	293741	0.840	0.24	
6.957	177902	148172	0.833	0.12	
7.001	239417	228076	0.953	0.16	
7.031	804674	735054	0.913	0.55	
7.093	8766684	7900410	0.901	6.03	8 Aroclor 1260
7.123	636662	600664	0.943	0.43	
7.161	304690	224175	0.736	0.20	
7.210	384144	312074	0.812	0.26	
7.341	4268002	3859506	0.904	2.93	8 Aroclor 1260
7.370	1279201	1034945	0.809	0.88	
7.478	2081079	1684671	0.810	1.43	
7.531	2539493	2199751	0.866	1.74	8 Aroclor 1260
7.641	193212	149049	0.771	0.13	
7.780	1050346	925808	0.881	0.72	
7.815	174145	124809	0.717	0.11	
7.890	105380	85252	0.809	0.07	

Data File: ...wintarget\data2\chem\40GCSK.i\030618.b\030618061.D Page 3
Report Date: 23-Mar-2018 13:21

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.988	2365937	1997906	0.844	1.62	8 Aroclor 1260
8.054	176812	131476	0.744	0.12	
8.363	639060	563517	0.882	0.43	
8.609	12752	10557	0.828	0.00	
8.661	11983438	10193405	0.851	8.74	$ 12 Decachlorobiphenyl
9.003	25650	15487	0.604	0.01	
9.528	14433	13527	0.937	0.00	
	145340406	124613250		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618061.D
Lab Smp Id: 1660-CAL4A Client Smp ID: 1660-CAL4A
Inj Date : 06-MAR-2018 19:07
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal4a, 185560:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:07 Cal File: 030618061.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			
2.551	2.550	0.001	11647995	0.10000	0.098			
5 Aroclor 1016					CAS #: 12674-11-2			
3.397	3.397	0.000	2301202	0.80000	0.76	0.00- 20.00	100.00(M)	BA
3.595	3.595	0.000	2372511	0.80000	0.76	0.00- 20.00	103.10	BA
3.910	3.910	0.000	7112187	0.80000	0.76	0.00- 20.00	309.06	BA
4.013	4.013	0.000	2991037	0.80000	0.76	0.00- 20.00	129.98	BA
4.079	4.079	0.000	2039565	0.80000	0.77	0.00- 20.00	88.63	BA
Average of Peak Amounts =					0.76200			
8 Aroclor 1260					CAS #: 11096-82-5			
6.389	6.388	0.001	7453138	0.80000	0.76	0.00- 20.00	100.00(M)	BA
7.093	7.092	0.001	8766684	0.80000	0.76	0.00- 20.00	117.62	BA
7.340	7.340	0.000	4268001	0.80000	0.77	0.00- 20.00	57.26	BA
7.531	7.531	0.000	2539493	0.80000	0.75	0.00- 20.00	34.07	BA
7.988	7.988	0.000	2365936	0.80000	0.76	0.00- 20.00	31.74	BA
Average of Peak Amounts =					0.76000			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.661	8.660	0.001	11983437	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\40GCSK.i\030618.b\030618061.D

Date : 06-MAR-2018 19:07

Client ID: 1660-CAL4A

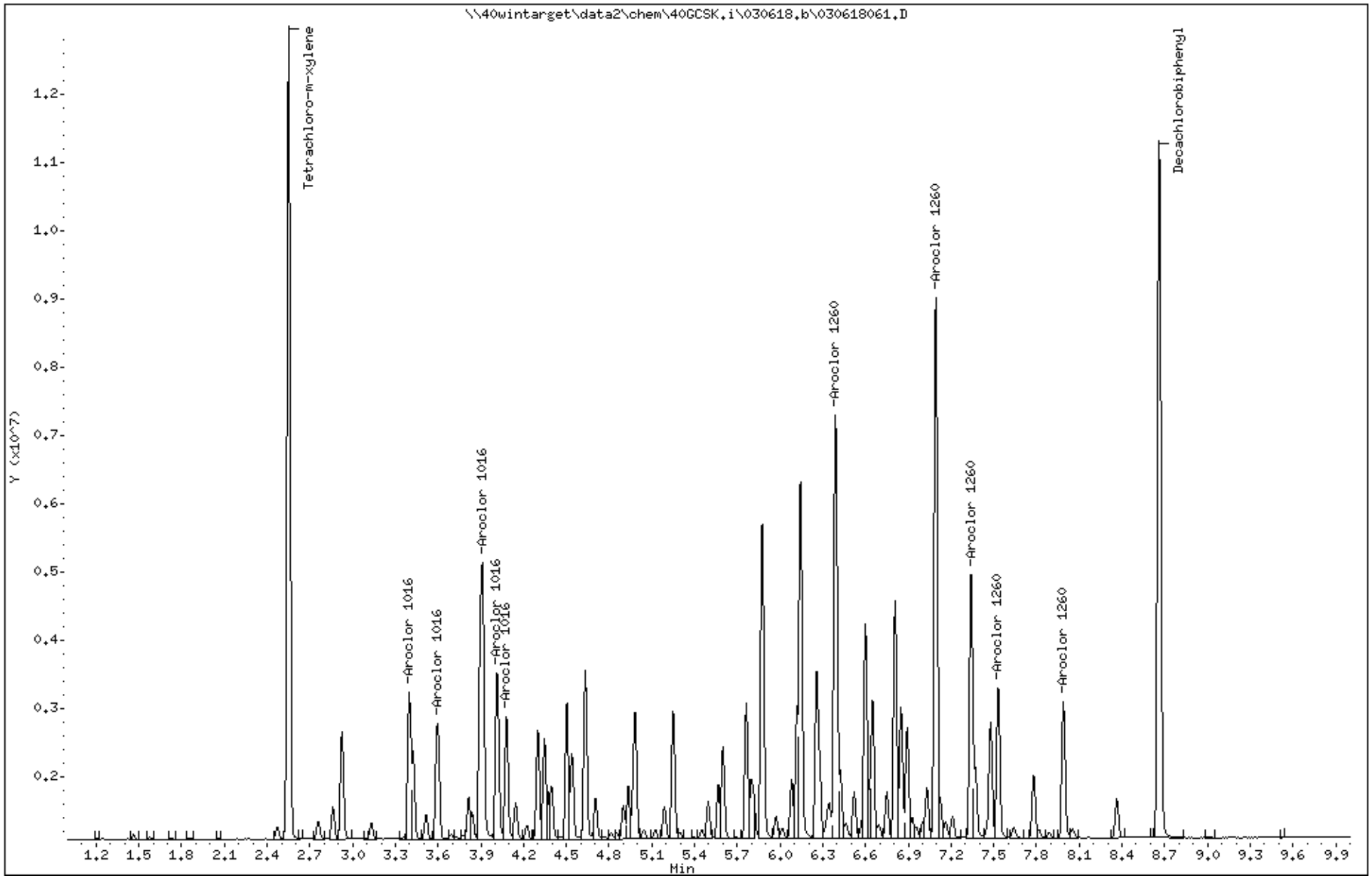
Instrument: 40GCSK.i

Sample Info: 1660-CAL4A, 185560:1

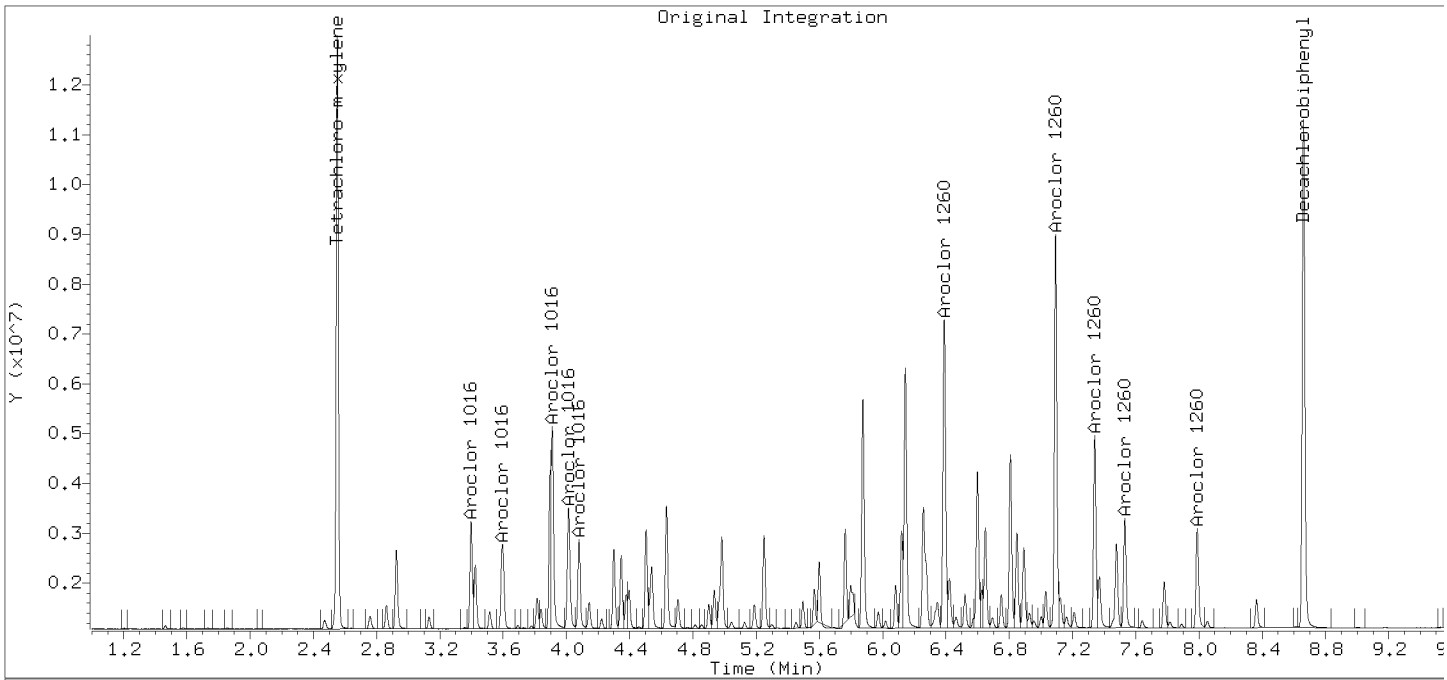
Operator: BLM

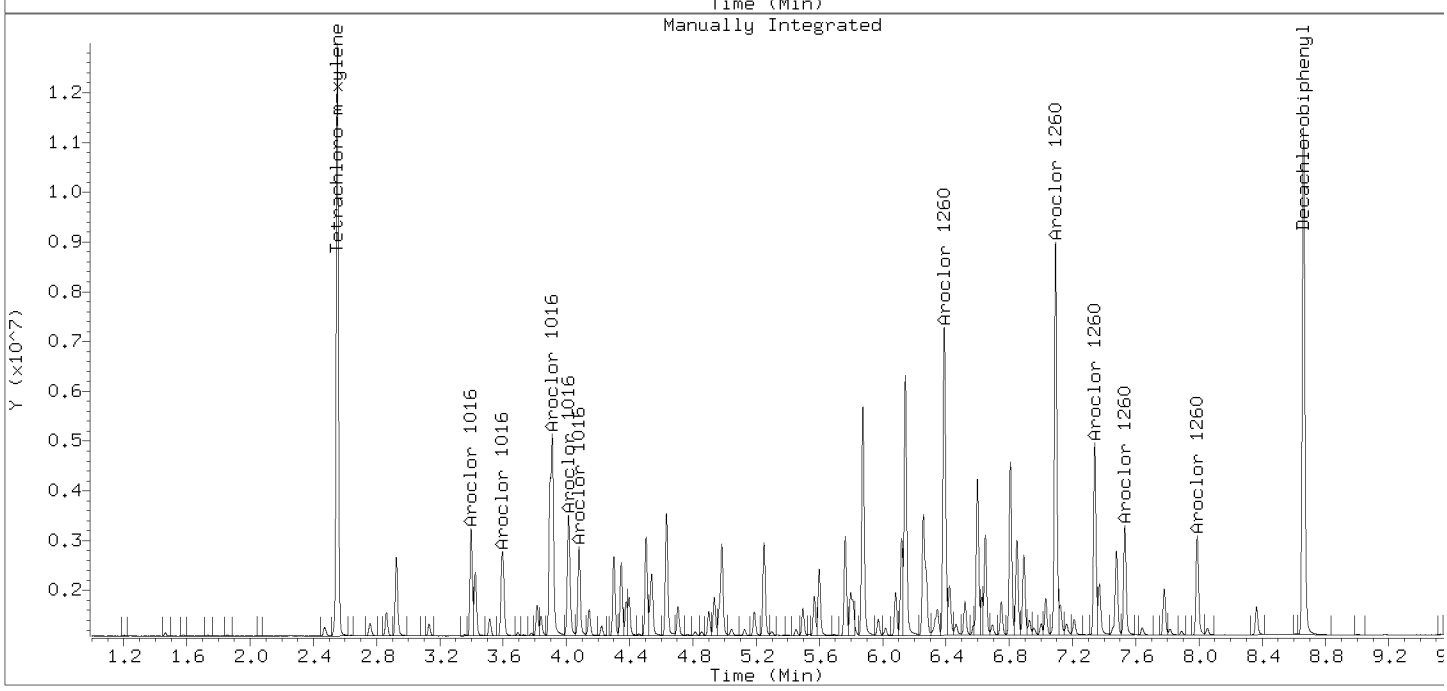
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618061.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 19:07 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-CAL4A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	2290307	2301202	BA
Aroclor 1016	2290307	2301202	BA
Aroclor 1016	2290307	2301202	BA
Aroclor 1016	2290307	2301202	BA
Aroclor 1016	2290307	2301202	BA
Aroclor 1260	7415971	7453138	BA
Aroclor 1260	7415971	7453138	BA
Aroclor 1260	7415971	7453138	BA
Aroclor 1260	7415971	7453138	BA
Aroclor 1260	7415971	7453138	BA
Tetrachloro-m-xylene	11647995	11647995	
Decachlorobiphenyl	11983437	11983437	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618063.D
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 06-MAR-2018 19:23
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal5a, 185561:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.203	19827	21746	1.097	0.01		
1.463	96556	101119	1.047	0.05		
1.576	42615	39235	0.921	0.02		
1.729	21269	22957	1.079	0.01		
1.854	28618	27525	0.962	0.01		
2.061	20835	14718	0.706	0.01		
2.471	253366	207174	0.818	0.13		
2.551	17590623	17941474	1.020	9.42	$ 2 Tetrachloro-m-xylene	
2.638	27447	15046	0.548	0.01		
2.757	372664	304025	0.816	0.19		
2.861	654549	621362	0.949	0.35		
2.924	2104687	1955069	0.929	1.12		
3.131	311051	296345	0.953	0.16		
3.270	11128	8401	0.755	0.00		
3.360	44617	33049	0.741	0.02		
3.397	2833165	2712282	0.957	1.51	5 Aroclor 1016	BA
3.424	1753054	1564414	0.892	0.93		
3.516	478864	432968	0.904	0.25		
3.595	2917635	2081852	0.714	1.56	5 Aroclor 1016	BA
3.692	103237	97010	0.940	0.05		
3.728	47301	30521	0.645	0.02		
3.779	80847	76172	0.942	0.04		
3.814	770131	760372	0.987	0.41		
3.840	529418	484766	0.916	0.28		
3.910	8852360	5065933	0.572	4.74	5 Aroclor 1016	BA
4.013	3709517	3003439	0.810	1.98	5 Aroclor 1016	BA
4.079	2519627	2266256	0.899	1.34	5 Aroclor 1016	BA
4.144	752872	666548	0.885	0.40		
4.223	288579	244647	0.848	0.15		
4.300	2117130	1967395	0.929	1.13		
4.346	1931210	1795463	0.930	1.03		
4.378	822943	848089	1.031	0.44		
4.395	1073512	960831	0.895	0.57		
4.458	64719	45292	0.700	0.03		
4.504	2636611	2454224	0.931	1.41		
4.538	2091817	1511802	0.723	1.12		
4.633	3498340	3108154	0.888	1.87		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.706	814632	735522	0.903	0.43	
4.767	53125	40275	0.758	0.02	
4.812	125235	100792	0.805	0.06	
4.855	114012	103271	0.906	0.06	
4.900	647283	617135	0.953	0.34	
4.934	1033436	962266	0.931	0.55	
4.982	3129874	2241145	0.716	1.67	
5.044	228941	165957	0.725	0.12	
5.126	184788	159665	0.864	0.09	
5.188	668524	615580	0.921	0.35	
5.248	2596275	2320209	0.894	1.39	
5.299	120391	99910	0.830	0.06	
5.397	28149	23854	0.847	0.01	
5.451	184669	155927	0.844	0.09	
5.495	738360	691748	0.937	0.39	
5.535	35603	32009	0.899	0.01	
5.567	1030849	992673	0.963	0.55	
5.598	1878196	1635679	0.871	1.00	
5.693	35046	27951	0.798	0.01	
5.763	2658290	2470317	0.929	1.42	
5.798	1816099	1048746	0.577	0.97	
5.874	6622088	5699645	0.861	3.54	
5.972	465361	418269	0.899	0.24	
6.018	217442	181417	0.834	0.11	
6.081	1147899	1086964	0.947	0.61	
6.119	2463743	2456588	0.997	1.31	
6.143	7606146	6447330	0.848	4.07	
6.257	4847791	3130733	0.646	2.59	
6.345	1124692	645899	0.574	0.60	
6.388	9314568	7790199	0.836	4.98	8 Aroclor 1260
6.422	1441653	1231727	0.854	0.77	
6.463	376942	270605	0.718	0.20	
6.520	959840	844174	0.879	0.51	
6.575	194818	251112	1.289	0.10	
6.598	4436879	3957646	0.892	2.37	
6.625	909578	958510	1.054	0.48	
6.649	2846032	2434791	0.856	1.52	
6.692	325991	257104	0.789	0.17	
6.749	922889	875287	0.948	0.49	
6.806	4826736	4368344	0.905	2.58	
6.848	2708581	2389872	0.882	1.45	
6.891	2315741	2051766	0.886	1.24	
6.928	428349	356699	0.833	0.22	
6.956	221518	188587	0.851	0.11	
7.002	298801	275453	0.922	0.16	
7.030	1013481	913617	0.901	0.54	
7.092	10961506	9763170	0.891	5.87	8 Aroclor 1260
7.122	799651	738569	0.924	0.42	
7.162	357621	283886	0.794	0.19	
7.211	483379	400068	0.828	0.25	
7.310	17558	18332	1.044	0.00	
7.340	5359147	4719435	0.881	2.87	8 Aroclor 1260
7.370	1568158	1262384	0.805	0.83	
7.477	2584499	2051723	0.794	1.38	
7.531	3180579	2725208	0.857	1.70	8 Aroclor 1260
7.642	237808	190858	0.803	0.12	
7.780	1313610	1170794	0.891	0.70	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.817	222424	162023	0.728	0.11	
7.888	132022	112825	0.855	0.07	
7.989	2956179	2472936	0.837	1.58	8 Aroclor 1260
8.053	226783	164989	0.728	0.12	
8.158	13728	11765	0.857	0.00	
8.363	826149	707134	0.856	0.44	
8.468	12248	11232	0.917	0.00	
8.660	17771449	15556001	0.875	10.01	$ 12 Decachlorobiphenyl
9.171	30934	20395	0.659	0.01	
9.529	22951	13913	0.606	0.01	
	186710463	161068284		100.000	

Total unknown % area = 52

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618063.D
Lab Smp Id: 1660-CAL5A Client Smp ID: 1660-CAL5A
Inj Date : 06-MAR-2018 19:23
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-cal5a, 185561:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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			
2.551	2.550	0.001	17590623	0.15000	0.15			
5 Aroclor 1016					CAS #: 12674-11-2			
3.397	3.397	0.000	2833165	1.00000	0.93	0.00- 20.00	100.00(M)	BA
3.594	3.595	-0.001	2917635	1.00000	0.94	0.00- 20.00	102.98	BA
3.910	3.910	0.000	8852360	1.00000	0.95	0.00- 20.00	312.45	BA
4.013	4.013	0.000	3709517	1.00000	0.94	0.00- 20.00	130.93	BA
4.079	4.079	0.000	2519627	1.00000	0.95	0.00- 20.00	88.93	BA
Average of Peak Amounts =					0.94200			
8 Aroclor 1260					CAS #: 11096-82-5			
6.387	6.388	-0.001	9314568	1.00000	0.95	0.00- 20.00	100.00(M)	BA
7.092	7.092	0.000	10961506	1.00000	0.95	0.00- 20.00	117.68	BA
7.340	7.340	0.000	5359146	1.00000	0.97	0.00- 20.00	57.54	BA
7.531	7.531	0.000	3180579	1.00000	0.94	0.00- 20.00	34.15	BA
7.988	7.988	0.000	2956178	1.00000	0.95	0.00- 20.00	31.74	BA
Average of Peak Amounts =					0.95200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.660	8.660	0.000	17771448	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\40GCSK.i\030618.b\030618063.D

Date : 06-MAR-2018 19:23

Client ID: 1660-CAL5A

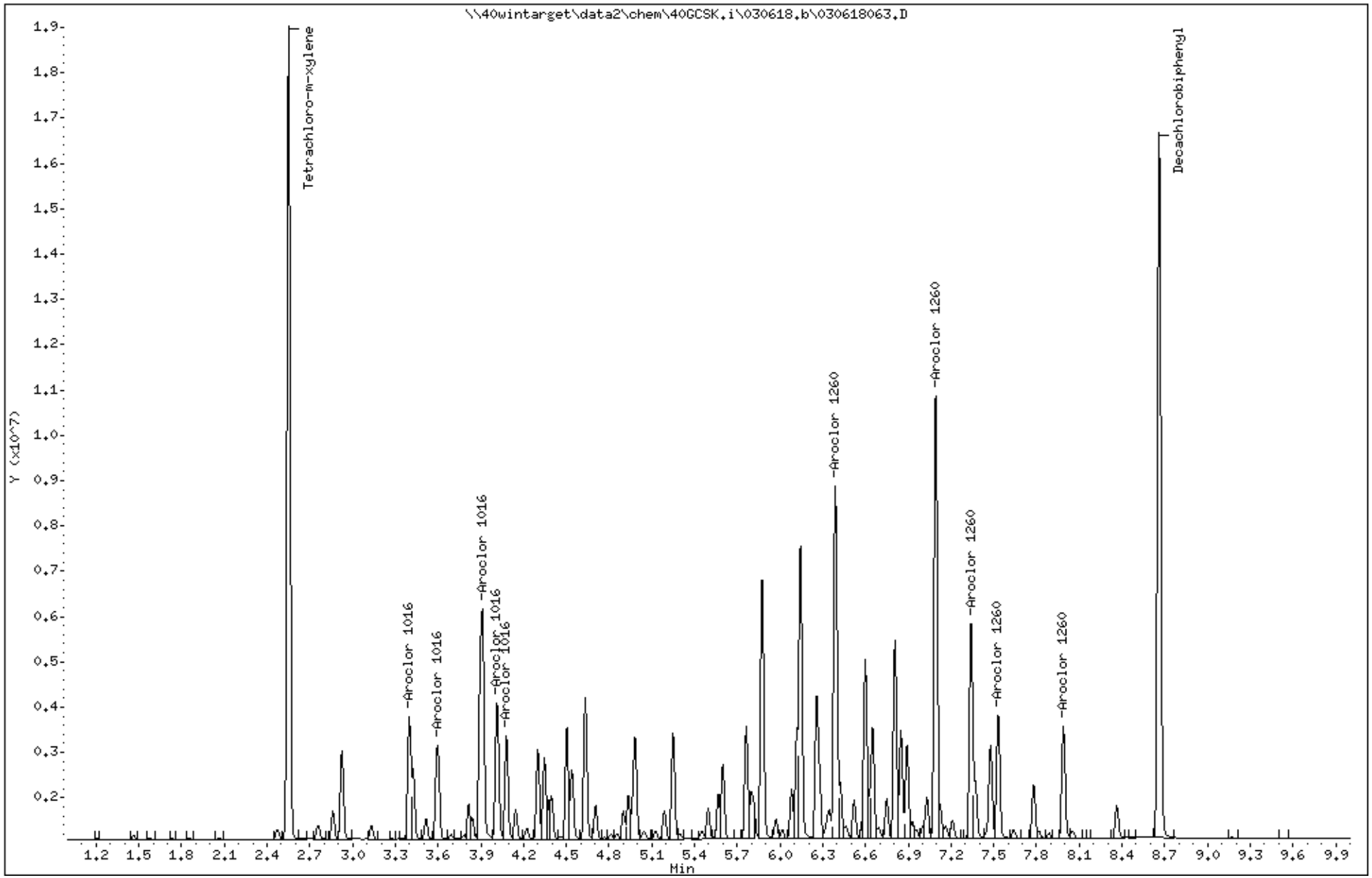
Instrument: 40GCSK.i

Sample Info: 1660-CAL5A, 185561:1

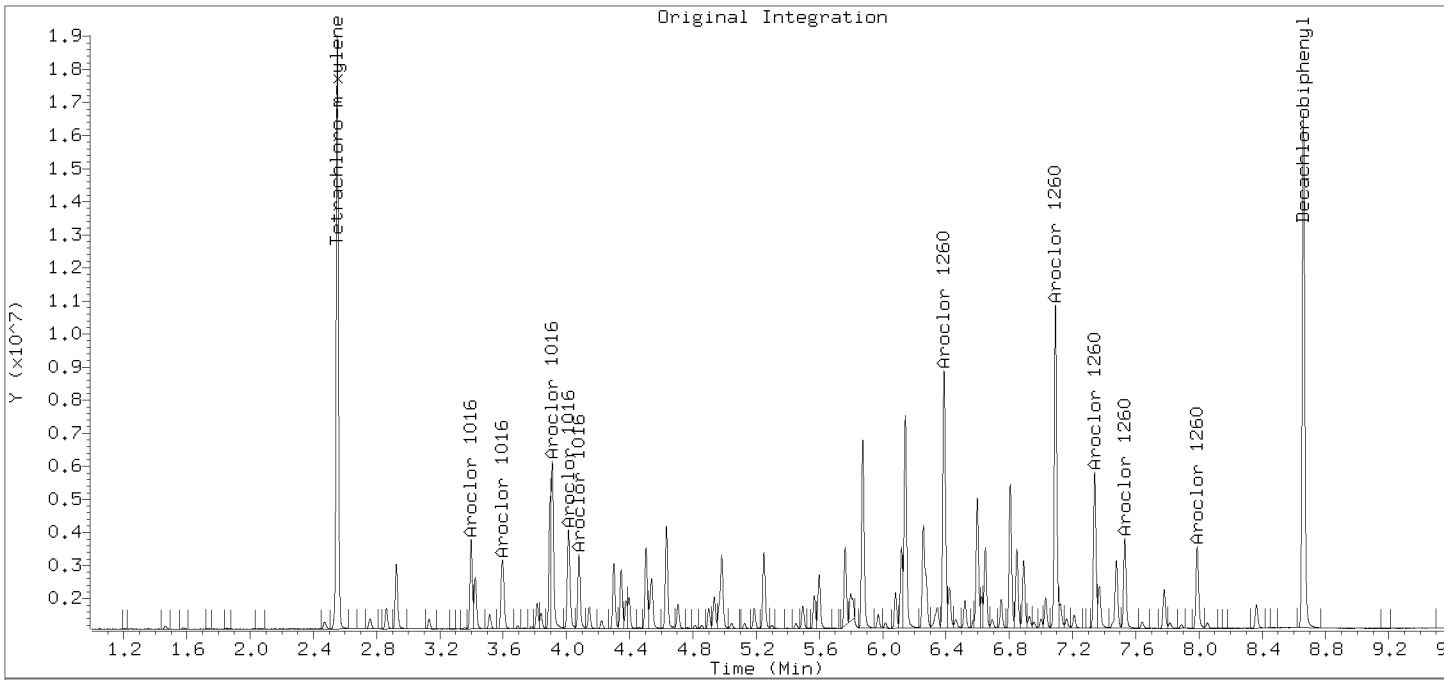
Operator: BLM

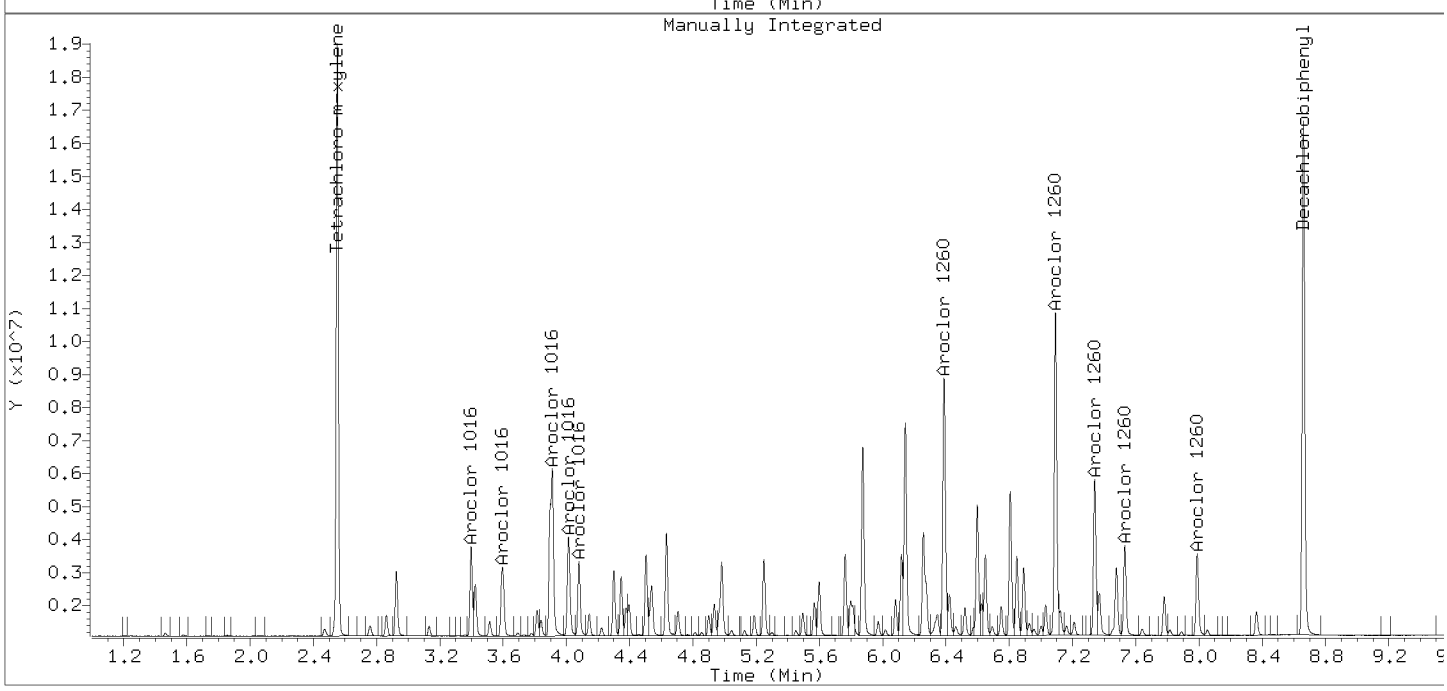
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618063.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 19:23 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-CAL5A





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	2821303	2833165	BA
Aroclor 1016	2821303	2833165	BA
Aroclor 1016	2821303	2833165	BA
Aroclor 1016	2821303	2833165	BA
Aroclor 1016	2821303	2833165	BA
Aroclor 1260	9263699	9314568	BA
Aroclor 1260	9263699	9314568	BA
Aroclor 1260	9263699	9314568	BA
Aroclor 1260	9263699	9314568	BA
Aroclor 1260	9263699	9314568	BA
Tetrachloro-m-xylene	17590623	17590623	
Decachlorobiphenyl	17771448	17771448	

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

PCB Low Level Calibration % Difference Check

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

Aroclor	True Value	Abundance Concentration	% Difference	Acceptance Criteria %	Pass/Fail
AR1221-CAL1	.1	0.112126	12.126	20	Pass
AR1242-CAL1	.1	0.109171	9.171	20	Pass
AR1248-CAL1	.1	0.106336	6.336	20	Pass
AR1254-CAL1	.1	0.107422	7.422	20	Pass
AR1016-CAL1	.1	0.107656	7.656	20	Pass
AR1260-CAL1	.1	0.106711	6.711	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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.: 40148722

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.

10764509CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 13:58

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

Lab File ID: 030718.B\030718008.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1221	1	Averaged	1.805	1.77	1.838	1041256.70	980466.000	-5.8382
Aroclor 1221	2	Averaged	2.407	2.373	2.441	547842.900	517062.000	-5.6186
Aroclor 1221	3	Averaged	2.688	2.654	2.722	1383336.70	1287802.00	-6.9061
Aroclor 1221	4	Averaged	2.789	2.755	2.823	1105769.55	1001584.00	-9.4220
Aroclor 1221	5	Averaged	2.851	2.817	2.885	3255397.65	3069774.00	-5.7020
Decachlorobiphenyl (S)		Averaged	8.572	8.537	8.605	109559990.	98070040.0	-10.4874
Tetrachloro-m-xylene		Averaged	2.485	2.45	2.518	123295106.	116921920.	-5.1691

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

SAMPLE NO.

10764506CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 17:11

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

Lab File ID: 030718.B\030718032.D
Init. Calib. Time(s): 11:02 19:39

SDG No.: 40148722

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	2657886.00	6.3144
Aroclor 1232	2	Averaged	3.513	3.479	3.547	1339782.00	1408696.00	5.1437
Aroclor 1232	3	Averaged	3.827	3.793	3.861	3749726.00	4080218.00	8.8138
Aroclor 1232	4	Averaged	3.929	3.895	3.963	1606492.00	1727462.00	7.5301
Aroclor 1232	5	Averaged	3.994	3.961	4.029	1091876.00	1156496.00	5.9183
Decachlorobiphenyl (S)		Averaged	8.571	8.537	8.605	109559990.	105127940.	-4.0453
Tetrachloro-m-xylene		Averaged	2.484	2.45	2.518	123295106.	119262840.	-3.2704

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

SAMPLE NO.

10758175ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/06/2018 Time: 19:55

Instrument ID: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618067.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1221	1	Averaged	1.855	1.819	1.887	994458.850	1028912.00	3.4645
Aroclor 1221	2	Averaged	2.473	2.438	2.506	534918.350	534684.000	-0.0438
Aroclor 1221	3	Averaged	2.759	2.726	2.794	1407936.95	1424282.00	1.1609
Aroclor 1221	4	Averaged	2.862	2.828	2.896	1109285.60	1107376.00	-0.1721
Aroclor 1221	5	Averaged	2.925	2.892	2.96	3361301.80	3490914.00	3.8560
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	128279220.	-0.4865
Tetrachloro-m-xylene		Averaged	2.551	2.516	2.584	118423432.	114868540.	-3.0018

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

SAMPLE NO.

10758178ICV

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: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618069.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.397	3.364	3.432	2535757.25	2523920.00	-0.4668
Aroclor 1242	2	Averaged	3.595	3.562	3.63	2567918.20	2578394.00	0.4079
Aroclor 1242	3	Averaged	3.91	3.876	3.944	7622055.10	7476474.00	-1.9100
Aroclor 1242	4	Averaged	4.013	3.979	4.047	3224394.90	3221522.00	-0.0891
Aroclor 1242	5	Averaged	4.079	4.046	4.114	2170022.35	2161114.00	-0.4105
Decachlorobiphenyl (S)		Averaged	8.66	8.626	8.694	128906408.	121118560.	-6.0415
Tetrachloro-m-xylene		Averaged	2.551	2.516	2.584	118423432.	111520360.	-5.8291

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

SAMPLE NO.

10758173ICV

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: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618071.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	4.346	4.313	4.381	2483101.10	2471852.00	-0.4530
Aroclor 1248	2	Averaged	4.632	4.598	4.666	4455813.90	4407412.00	-1.0863
Aroclor 1248	3	Averaged	4.899	4.866	4.934	2151675.70	2224258.00	3.3733
Aroclor 1248	4	Averaged	4.966	4.933	5.001	5639947.95	5657272.00	0.3072
Aroclor 1248	5	Averaged	5.125	5.093	5.161	3941717.85	4067778.00	3.1981
Decachlorobiphenyl (S)		Averaged	8.66	8.626	8.694	128906408.	120922260.	-6.1938
Tetrachloro-m-xylene		Averaged	2.551	2.516	2.584	118423432.	112456780.	-5.0384

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

SAMPLE NO.

10758177ICV

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: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618073.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1254	1	Averaged	5.249	5.215	5.283	5685404.75	5161976.00	-9.2065
Aroclor 1254	2	Averaged	5.495	5.462	5.53	4703045.05	4301472.00	-8.5386
Aroclor 1254	3	Averaged	5.598	5.564	5.632	8618632.15	7592956.00	-11.9007
Aroclor 1254	4	Averaged	6.116	6.083	6.151	5370488.20	4864896.00	-9.4143
Aroclor 1254	5	Averaged	6.388	6.354	6.422	7351311.20	6941146.00	-5.5795
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	122186780.	-5.2128
Tetrachloro-m-xylene		Averaged	2.55	2.516	2.584	118423432.	111665040.	-5.7070

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

SAMPLE NO.

10758166ICV

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: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030618.B\030618075.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1016	1	Averaged	3.396	3.363	3.431	3044196.10	3091966.00	1.5692
Aroclor 1016	2	Averaged	3.595	3.561	3.629	3105369.95	3146306.00	1.3182
Aroclor 1016	3	Averaged	3.91	3.876	3.944	9315861.95	9332072.00	0.1740
Aroclor 1016	4	Averaged	4.013	3.979	4.047	3947962.25	3961404.00	0.3405
Aroclor 1016	5	Averaged	4.079	4.045	4.113	2647543.25	2657106.00	0.3612
Aroclor 1260	1	Averaged	6.388	6.354	6.422	9796686.30	9179102.00	-6.3040
Aroclor 1260	2	Averaged	7.092	7.058	7.126	11489000.4	11680202.0	1.6642
Aroclor 1260	3	Averaged	7.34	7.306	7.374	5540976.85	5535608.00	-0.0969
Aroclor 1260	4	Averaged	7.53	7.497	7.565	3371783.05	3365166.00	-0.1962
Aroclor 1260	5	Averaged	7.989	7.954	8.022	3099916.60	3290370.00	6.1438
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	122313980.	-5.1141
Tetrachloro-m-xylene		Averaged	2.551	2.516	2.584	118423432.	112212640.	-5.2446

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

SAMPLE NO.

10764627CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 13:58

Instrument ID: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030718.B\030718007.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1221	1	Averaged	1.854	1.819	1.887	994458.850	944298.000	-5.0440
Aroclor 1221	2	Averaged	2.472	2.438	2.506	534918.350	506086.000	-5.3900
Aroclor 1221	3	Averaged	2.76	2.726	2.794	1407936.95	1343000.00	-4.6122
Aroclor 1221	4	Averaged	2.862	2.828	2.896	1109285.60	1048510.00	-5.4788
Aroclor 1221	5	Averaged	2.925	2.892	2.96	3361301.80	3267952.00	-2.7772
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	122121880.	-5.2631
Tetrachloro-m-xylene		Averaged	2.551	2.516	2.584	118423432.	114367240.	-3.4252

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

SAMPLE NO.

10764628CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 17:11

Instrument ID: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030718.B\030718031.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1232	1	Averaged	2.924	2.89	2.958	2730104.00	2733048.00	0.1078
Aroclor 1232	2	Averaged	3.594	3.562	3.63	1438576.00	1428412.00	-0.7065
Aroclor 1232	3	Averaged	3.91	3.876	3.944	4258826.00	4208026.00	-1.1928
Aroclor 1232	4	Averaged	4.013	3.979	4.047	1806102.00	1793104.00	-0.7197
Aroclor 1232	5	Averaged	4.078	4.046	4.114	1209090.00	1184526.00	-2.0316
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	124486740.	-3.4286
Tetrachloro-m-xylene		Averaged	2.55	2.516	2.584	118423432.	117398500.	-0.8655

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

SAMPLE NO.

10764626CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 20:25

Instrument ID: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030718.B\030718055.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1242	1	Averaged	3.396	3.364	3.432	2535757.25	2610516.00	2.9482
Aroclor 1242	2	Averaged	3.594	3.562	3.63	2567918.20	2570190.00	0.0885
Aroclor 1242	3	Averaged	3.908	3.876	3.944	7622055.10	7690974.00	0.9042
Aroclor 1242	4	Averaged	4.012	3.979	4.047	3224394.90	3270344.00	1.4250
Aroclor 1242	5	Averaged	4.077	4.046	4.114	2170022.35	2176972.00	0.3203
Decachlorobiphenyl (S)		Averaged	8.658	8.626	8.694	128906408.	126225260.	-2.0799
Tetrachloro-m-xylene		Averaged	2.549	2.516	2.584	118423432.	117347640.	-0.9084

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

SAMPLE NO.

10764625CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Green Bay
Calibration Date: 03/07/2018 Time: 22:02

Instrument ID: 40GCSK GC Column: Col 2
Init. Calib. Date(s): 03/06/2018 03/06/2018

Lab File ID: 030718.B\030718067.D
Init. Calib. Time(s): 11:34 19:23

SDG No.: 40148722

COMPOUND	PEAK	CURVE	RT	RT WINDOW		$\overline{RRF}$ or Amount	RRF or Amount	%D
				FROM	TO			
Aroclor 1248	1	Averaged	4.345	4.313	4.381	2483101.10	2483958.00	0.0345
Aroclor 1248	2	Averaged	4.632	4.598	4.666	4455813.90	4330460.00	-2.8133
Aroclor 1248	3	Averaged	4.898	4.866	4.934	2151675.70	2223954.00	3.3592
Aroclor 1248	4	Averaged	4.964	4.933	5.001	5639947.95	5558472.00	-1.4446
Aroclor 1248	5	Averaged	5.124	5.093	5.161	3941717.85	3973024.00	0.7942
Decachlorobiphenyl (S)		Averaged	8.659	8.626	8.694	128906408.	126778740.	-1.6506
Tetrachloro-m-xylene		Averaged	2.55	2.516	2.584	118423432.	117909180.	-0.4342

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

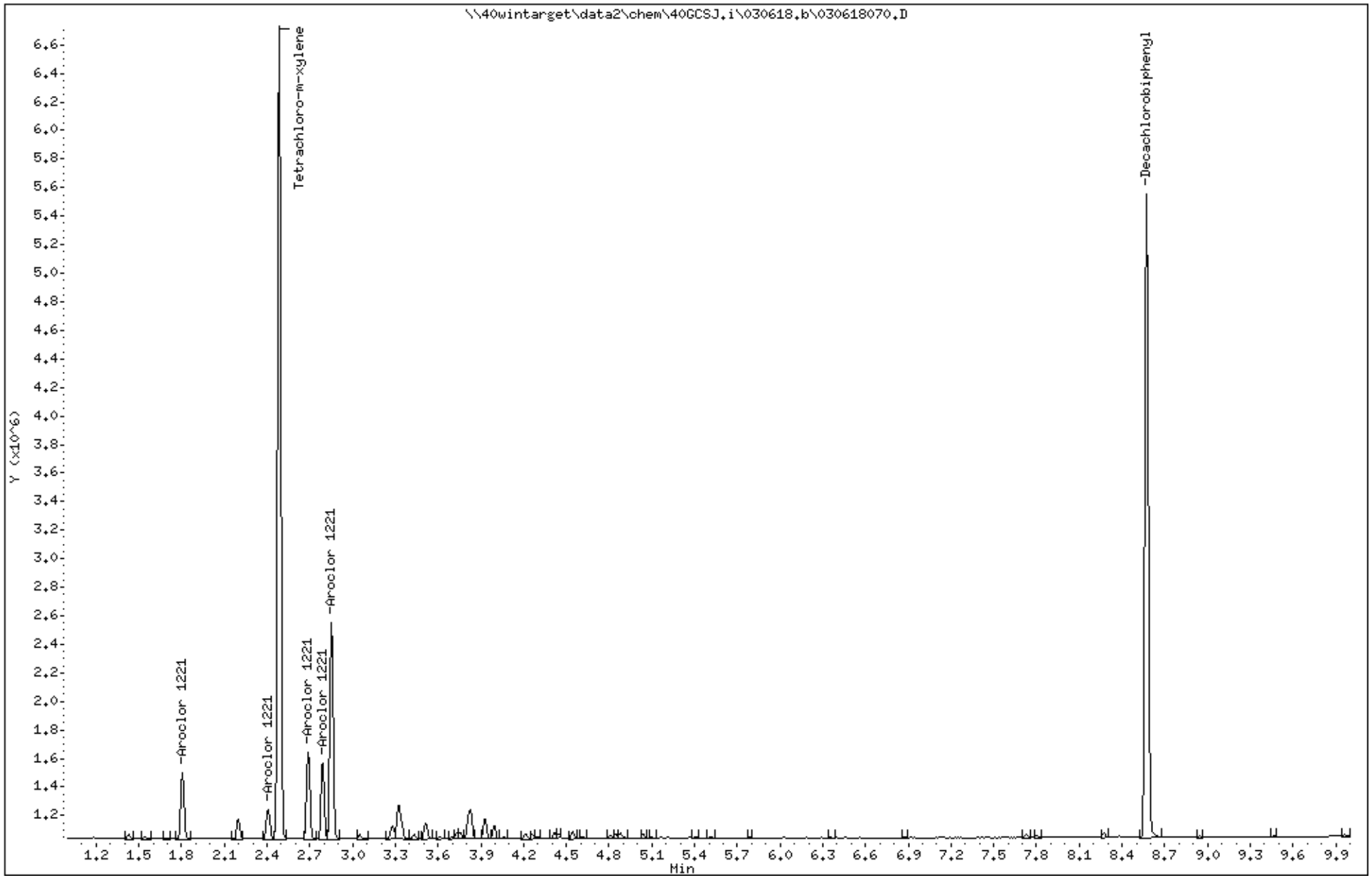
M - Compound response manually integrated.

Review Codes Legend

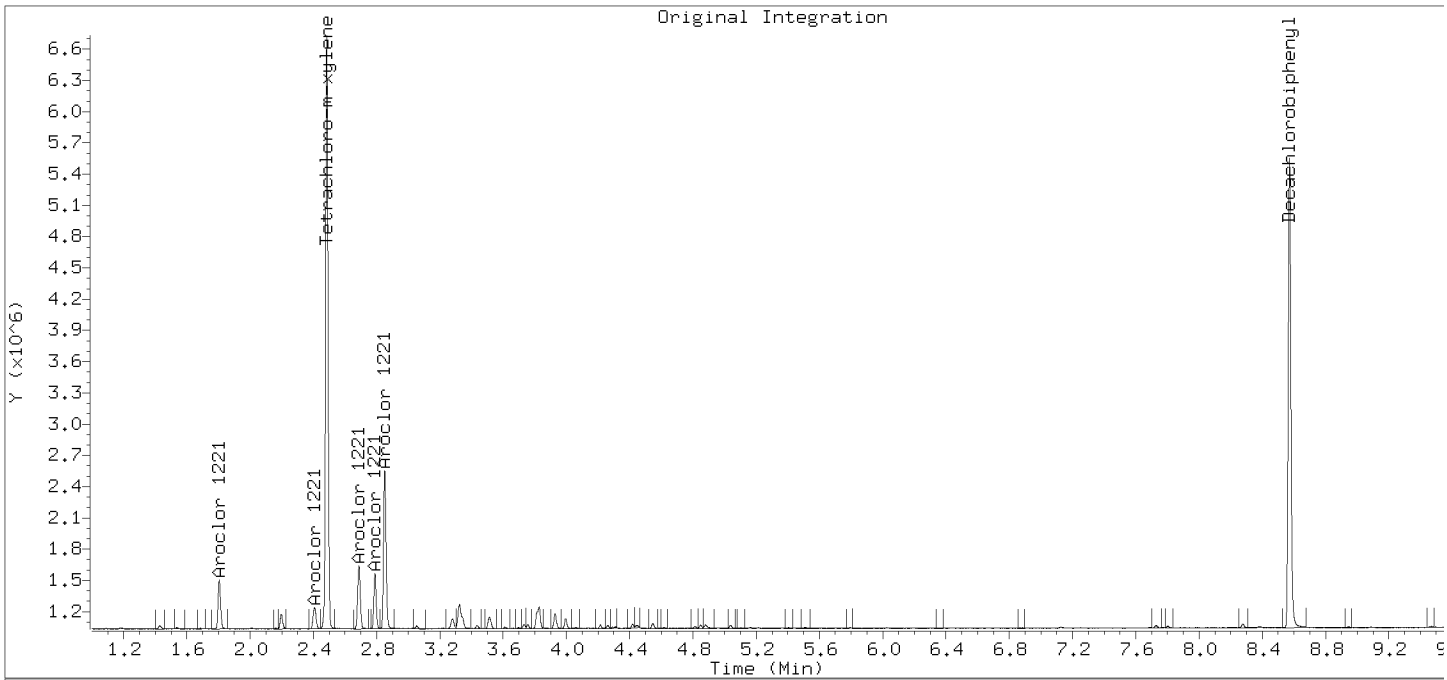
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

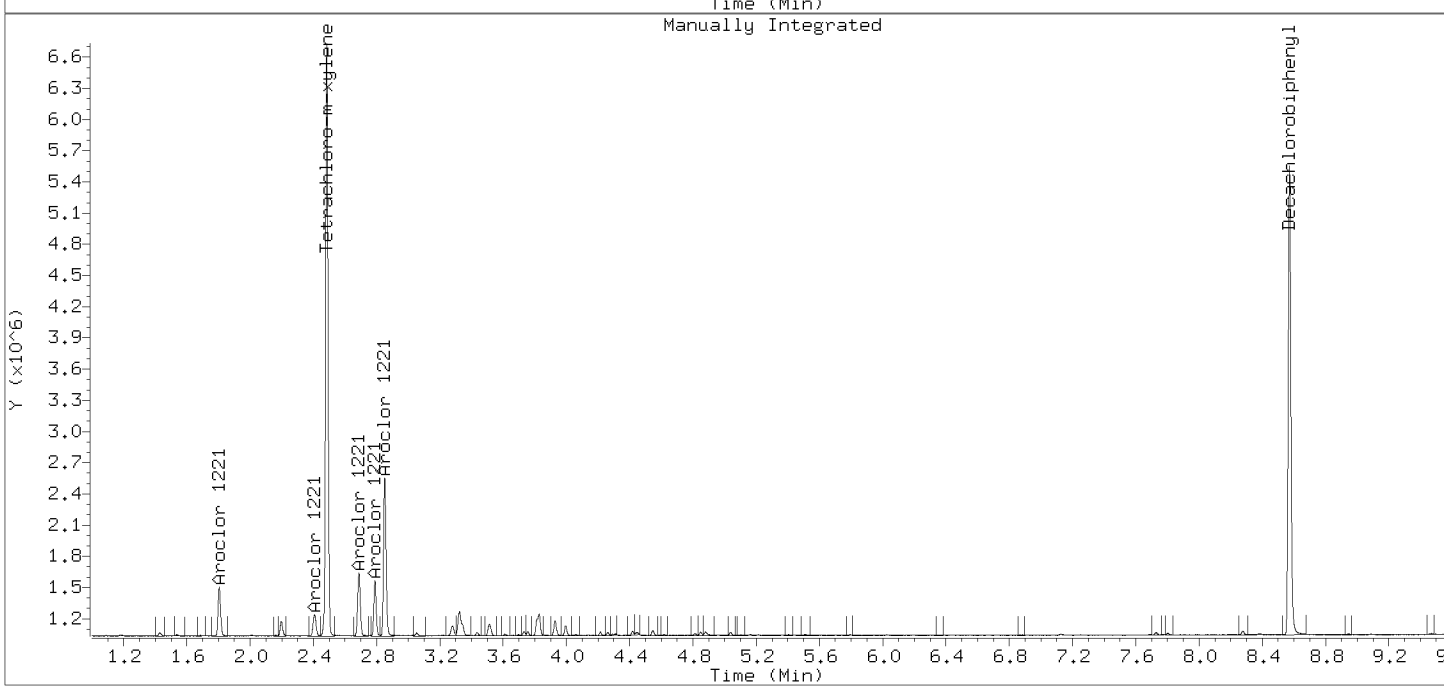
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618070.D
Date : 06-MAR-2018 20:11
Client ID: 1221-ICV
Sample Info: 1221-ICV, 188142:1

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

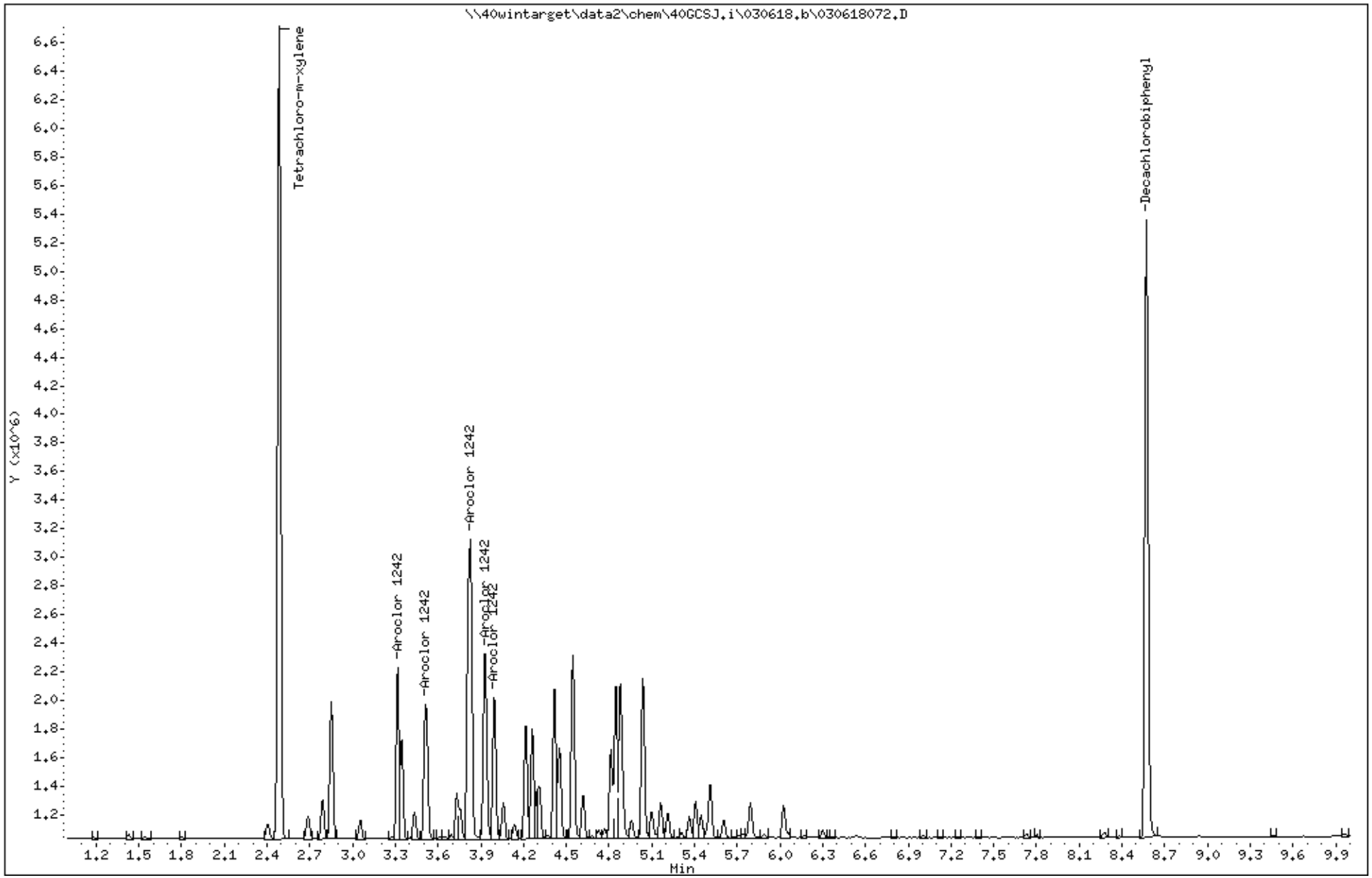
M - Compound response manually integrated.

Review Codes Legend

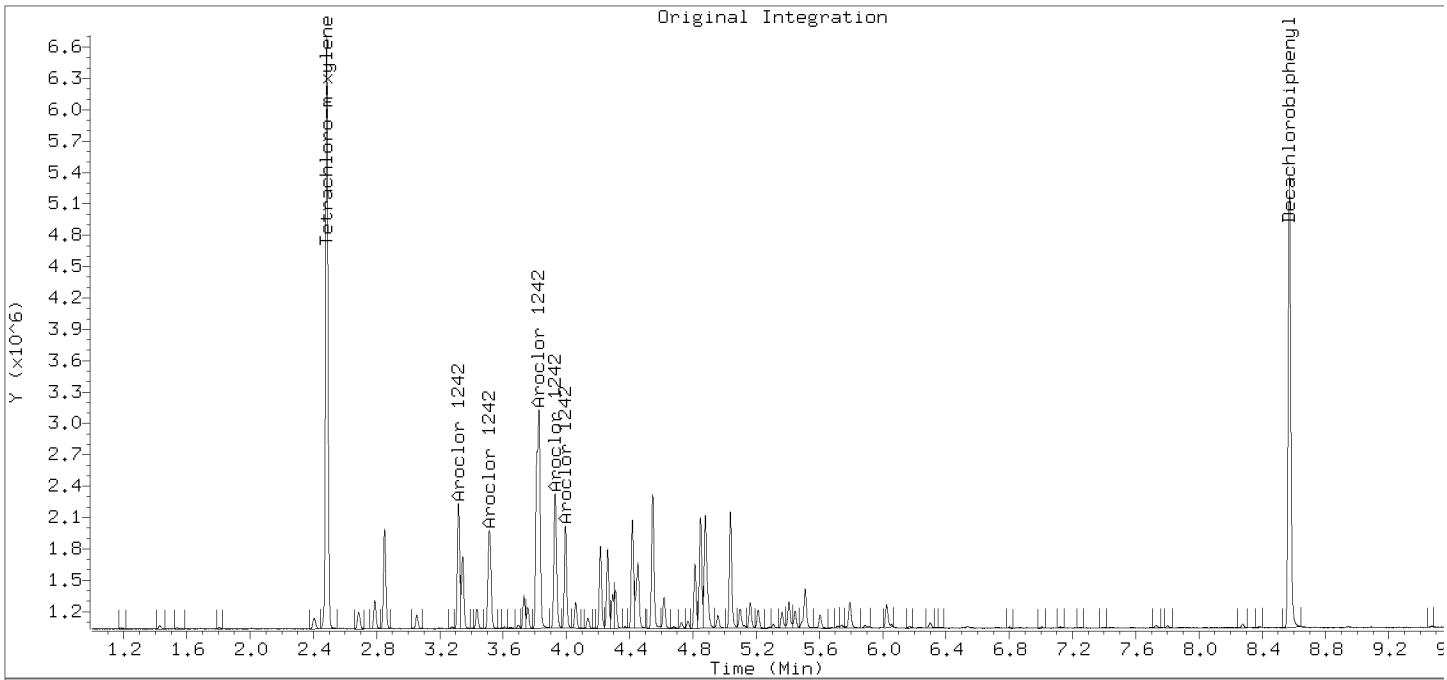
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

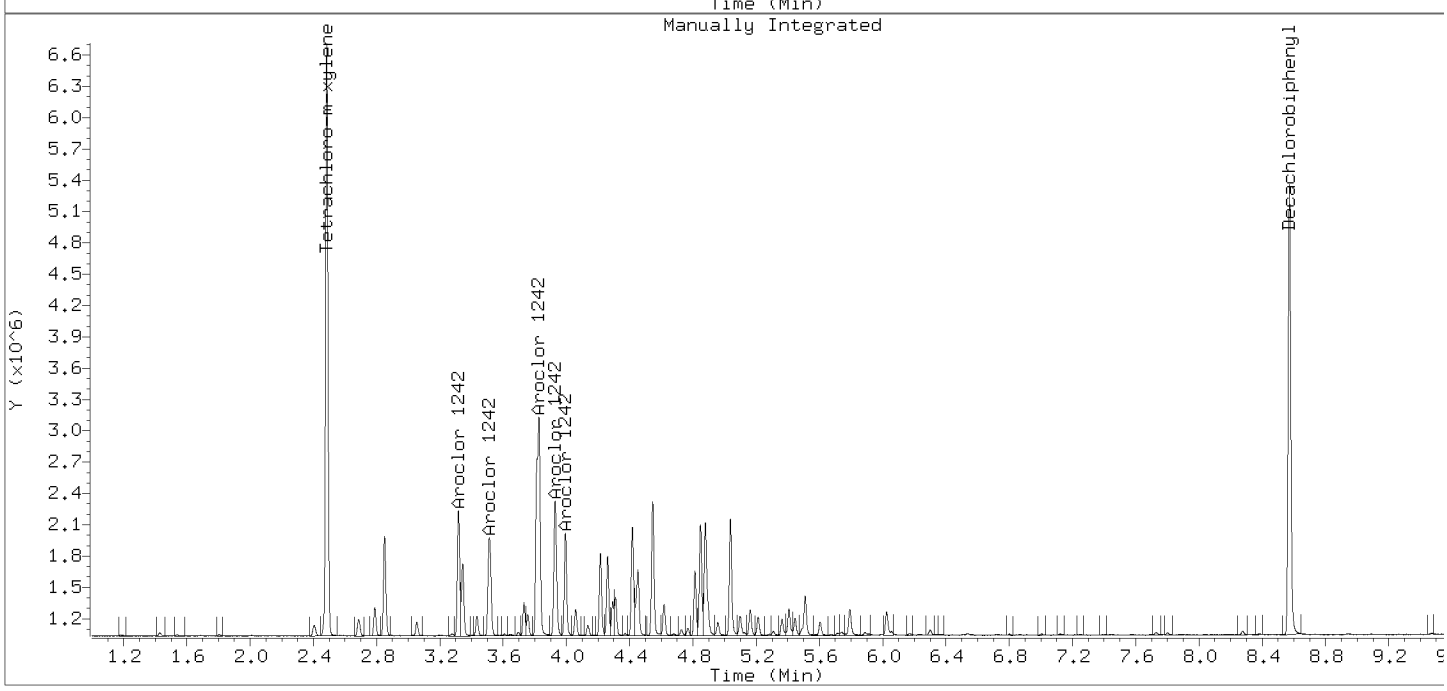
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618072.D
Date : 06-MAR-2018 20:27
Client ID: 1242-ICV
Sample Info: 1242-ICV, 185562:1

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	

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: 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

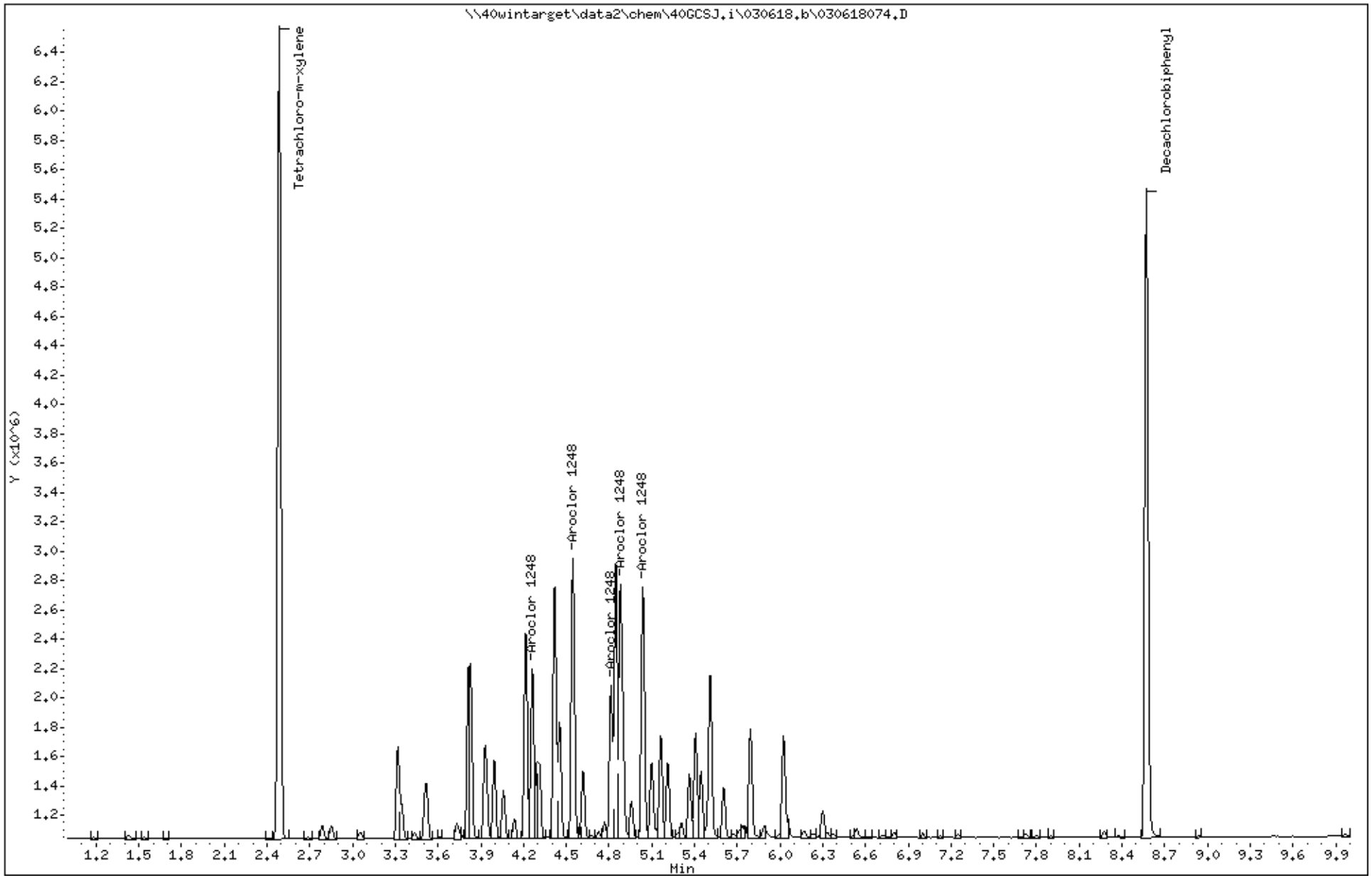
Instrument: 40GCSJ.i

Sample Info: 1248-ICV, 185563:1

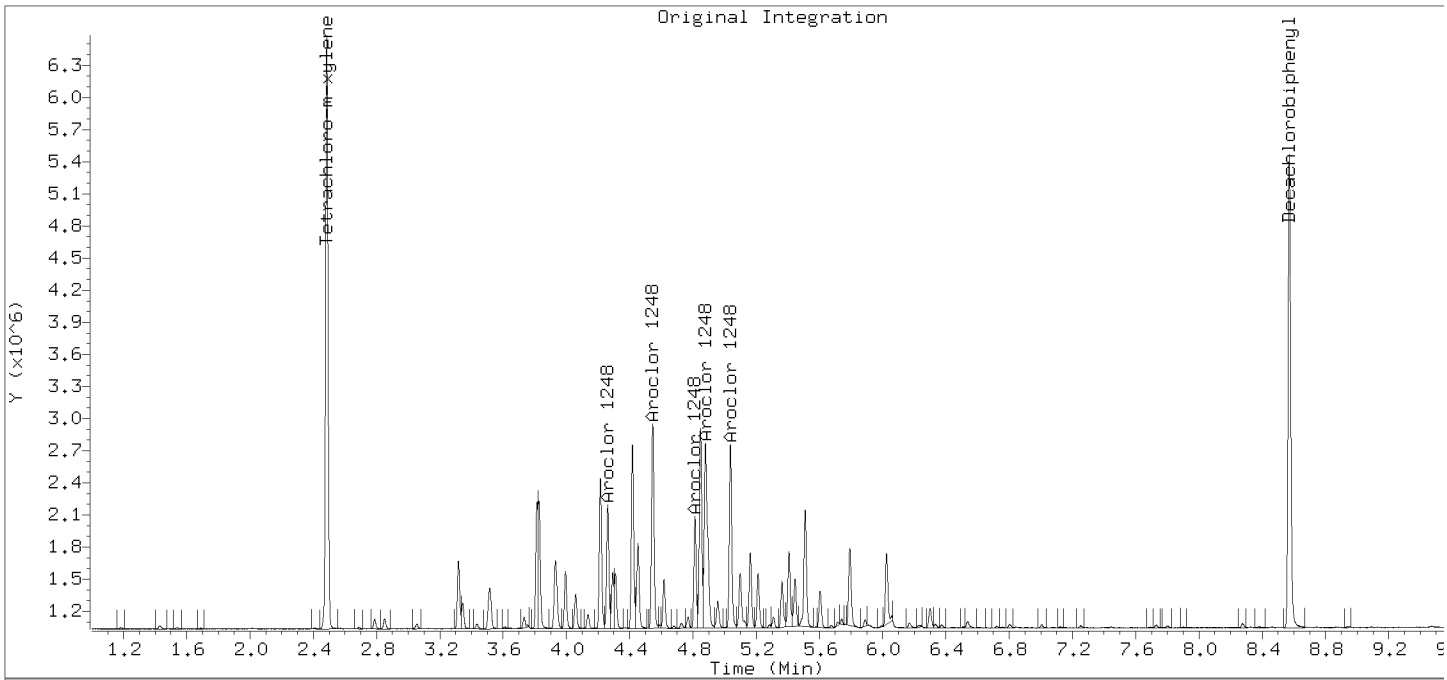
Operator: BLM

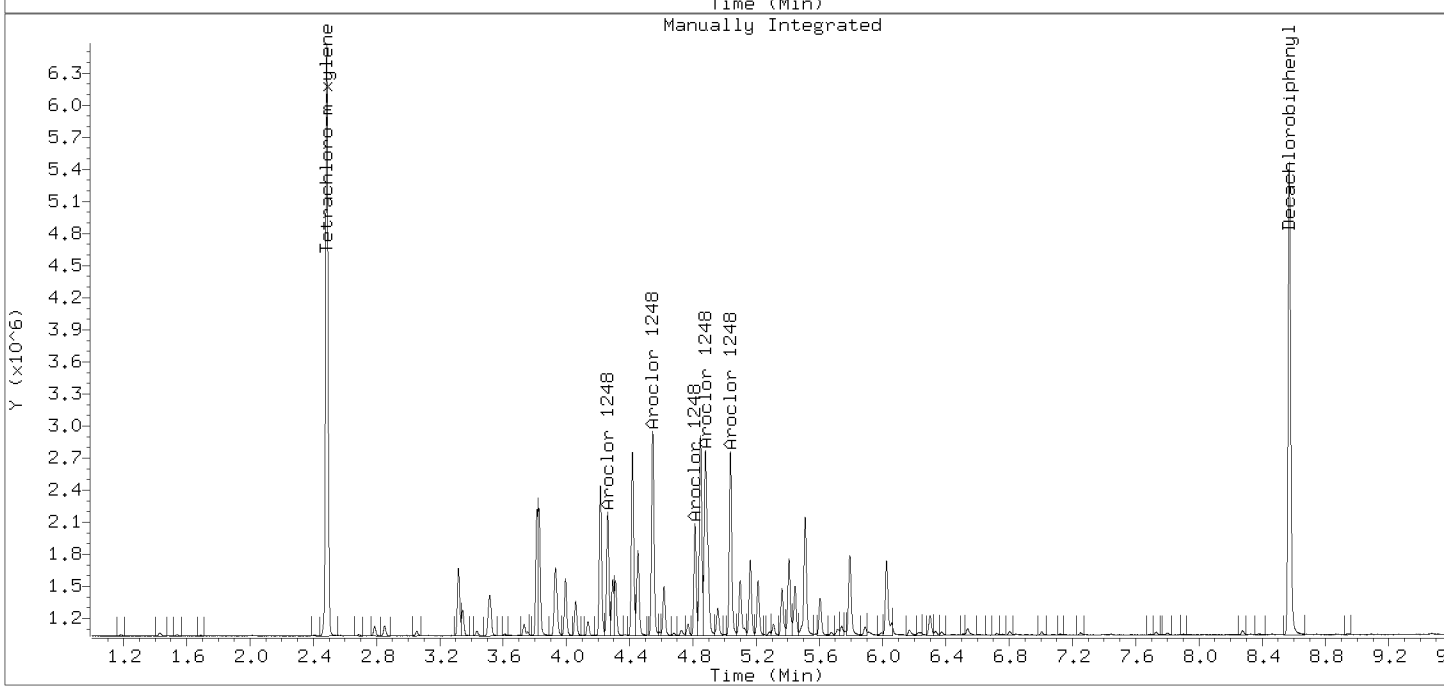
Column phase: ZB-1ms

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

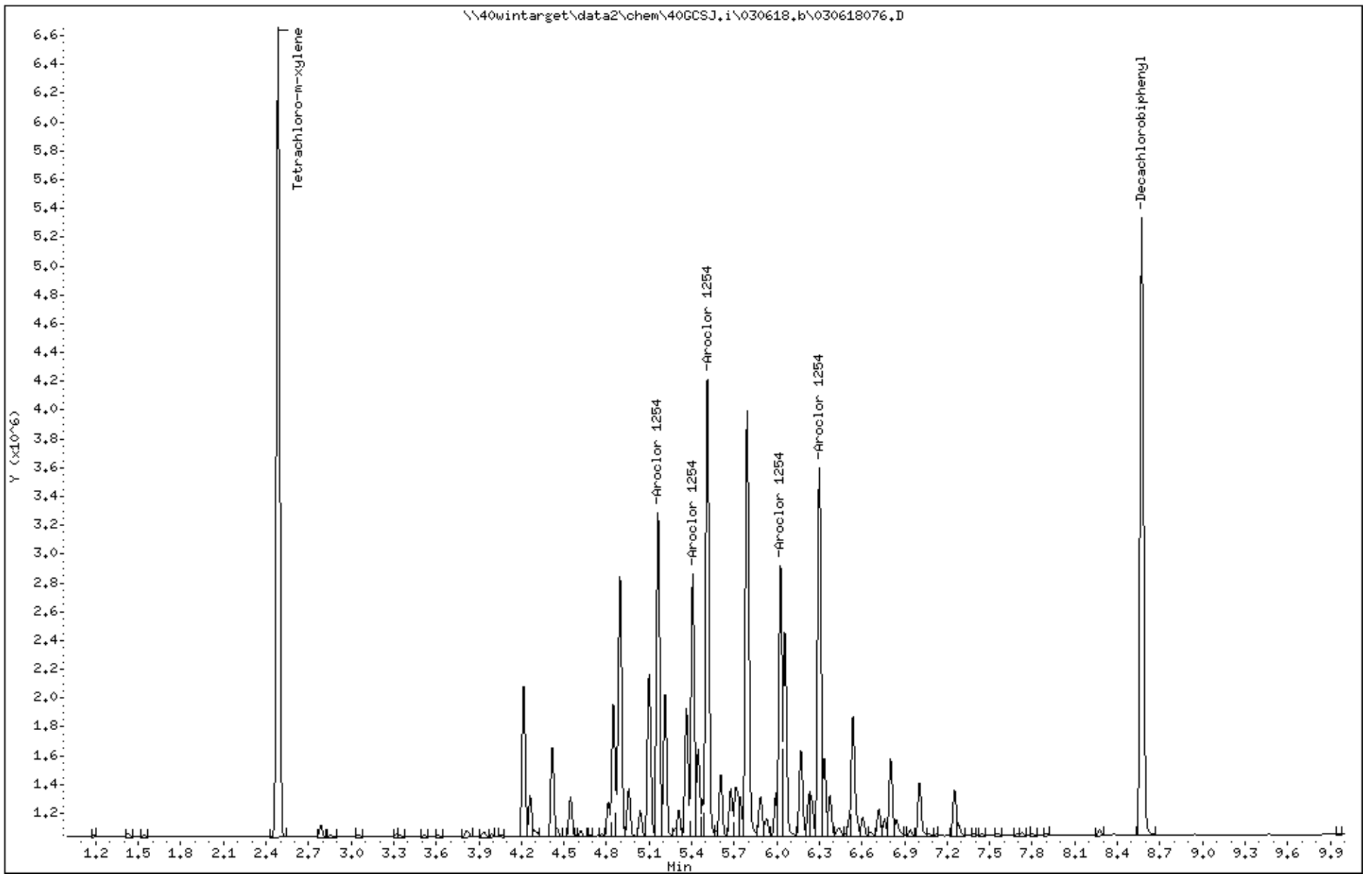
Instrument: 40GCSJ.i

Sample Info: 1254-ICV, 185564:1

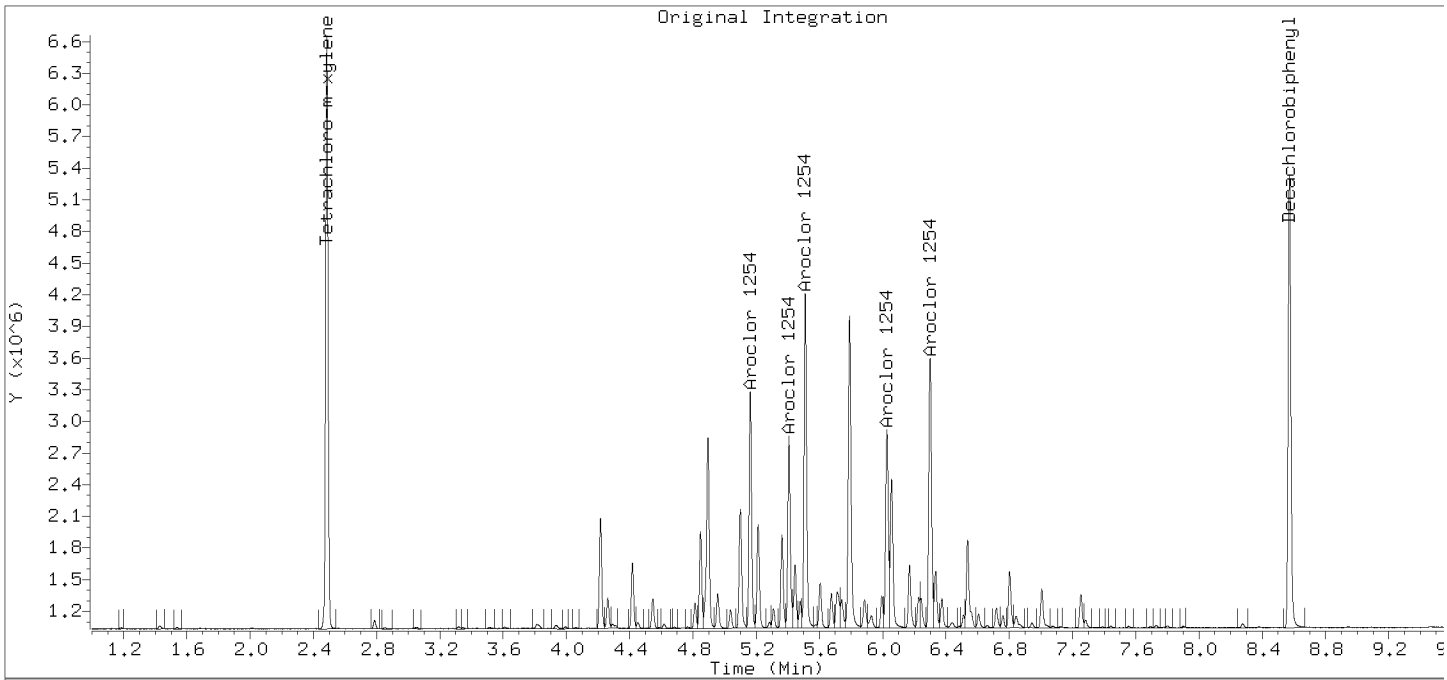
Operator: BLM

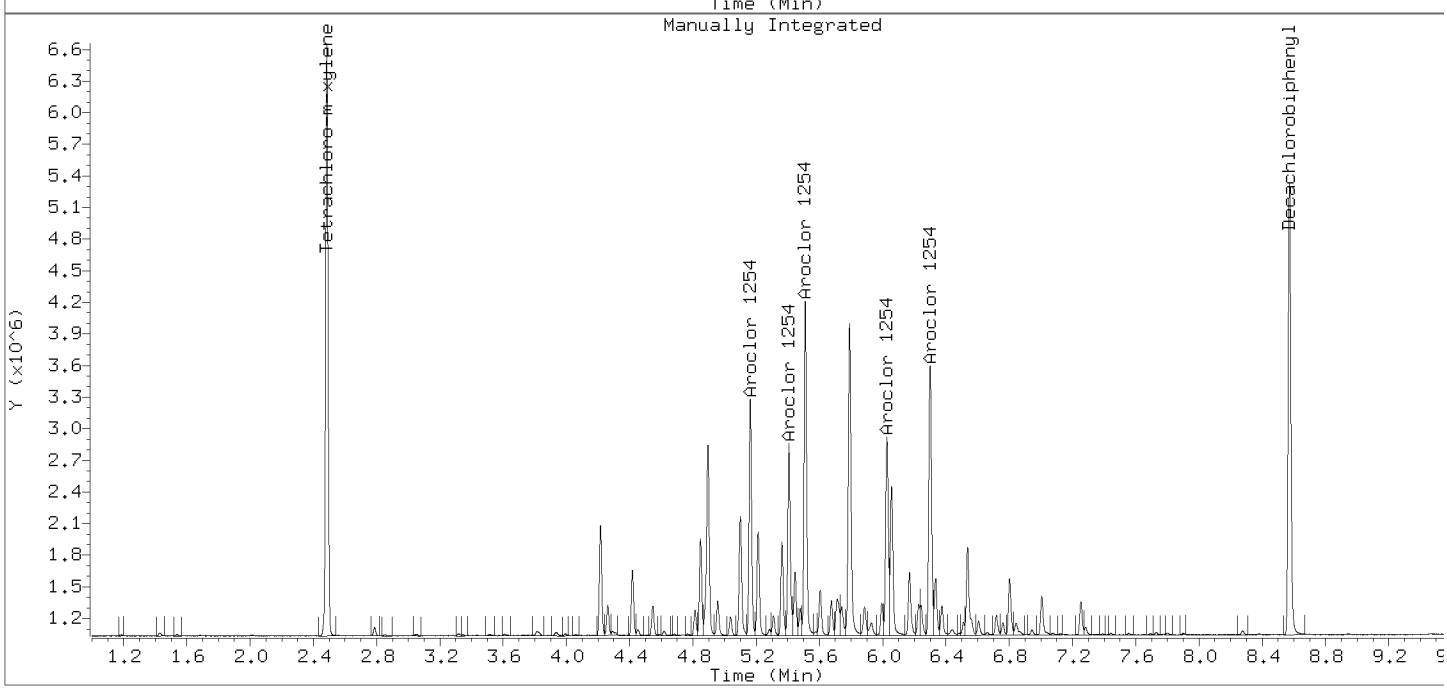
Column phase: ZB-1ms

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	

Data File: ...wintarget\data2\chem\40GCSJ.i\030618.b\030618078.D Page 3
Report Date: 22-Mar-2018 13:35

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.

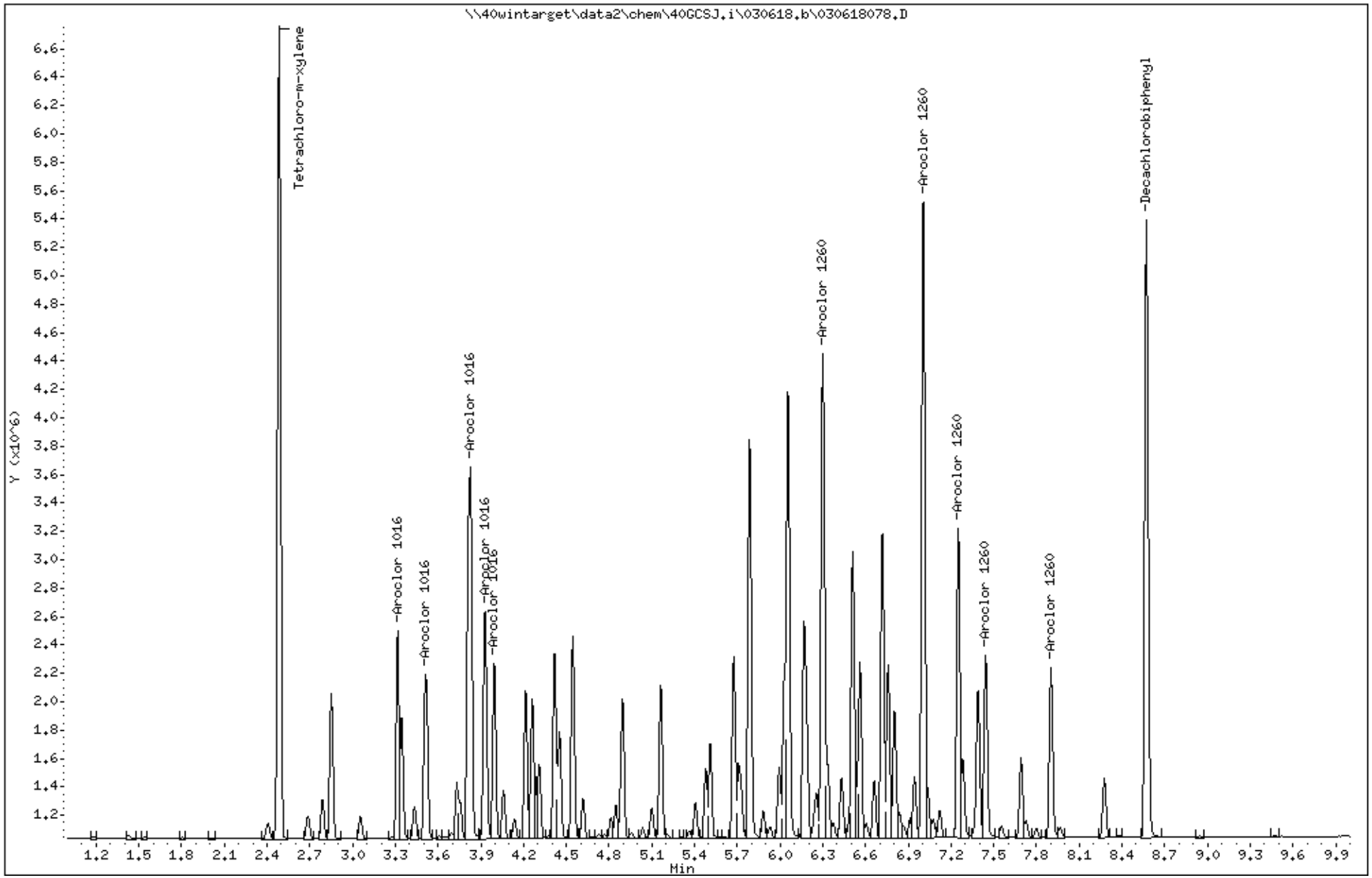
QC Flag Legend

Review Codes Legend

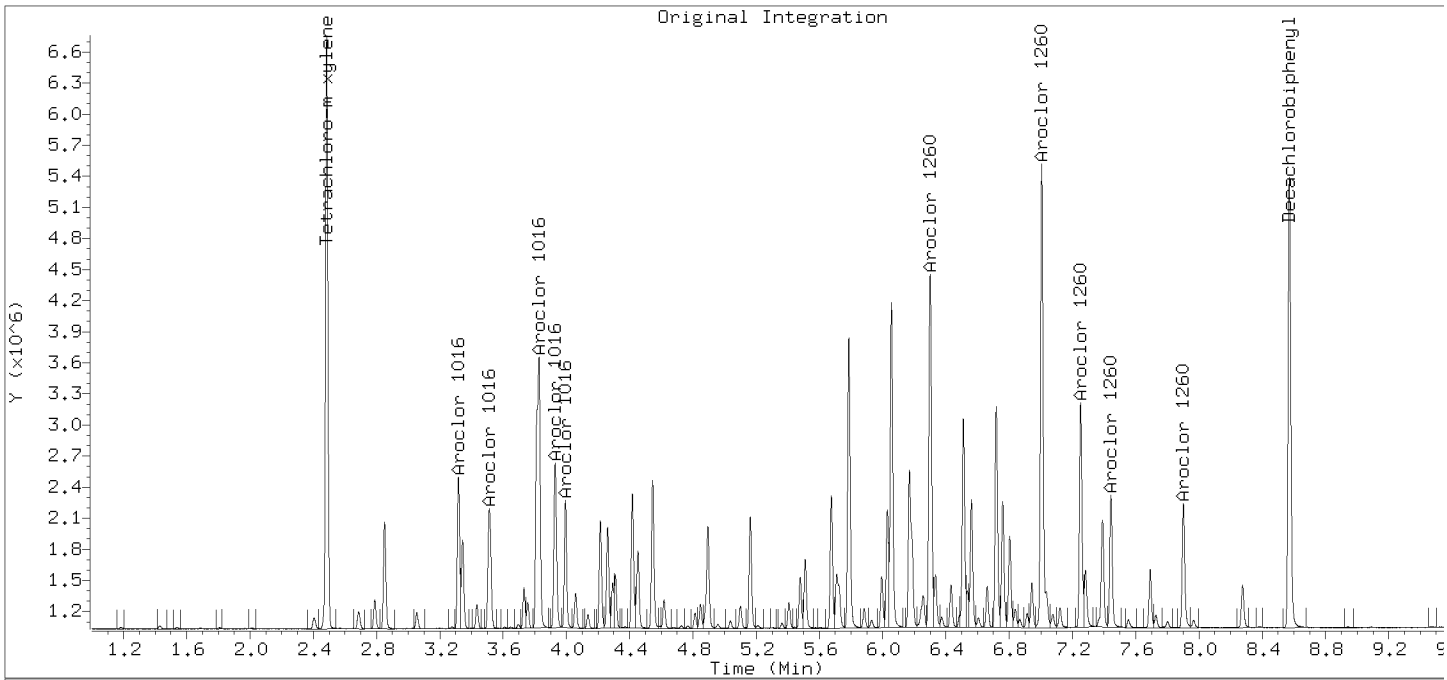
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

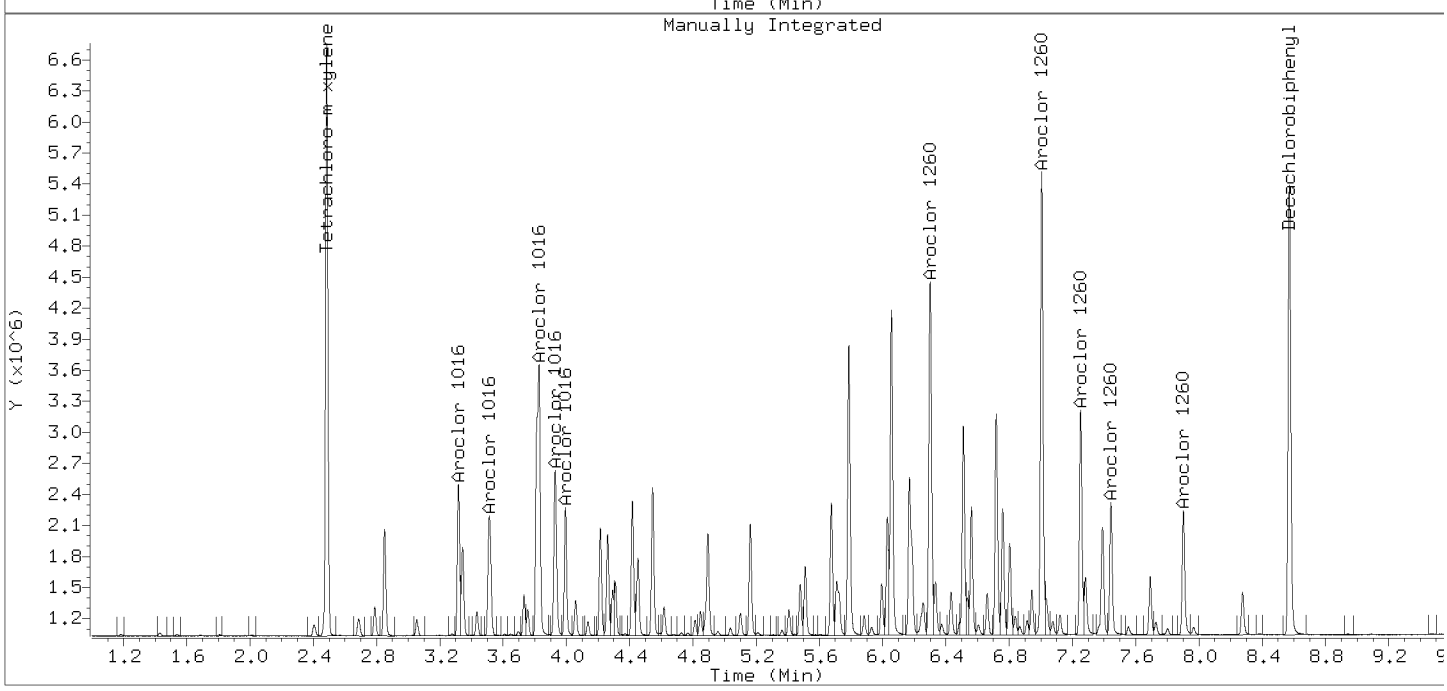
Data File: \\40wintarget\data2\chem\40GCSJ.i\030618.b\030618078.D
Date : 06-MAR-2018 21:16
Client ID: 1660-ICV
Sample Info: 1660-ICV, 185565:1

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\030718.b\030718008.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 07-MAR-2018 13:58
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 8 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
1.184	26356	19157	0.727	0.16			
1.431	41381	32937	0.796	0.25			
1.539	16998	14352	0.844	0.10			
1.687	18618	15452	0.830	0.11			
1.806	490234	421816	0.860	2.99		1 Aroclor 1221	BA
2.007	17498	14045	0.803	0.10			
2.198	145411	126911	0.873	0.88			
2.408	258531	185251	0.717	1.57		1 Aroclor 1221	BA
2.486	5846097	5493727	0.940	35.91	$	2 Tetrachloro-m-xylene	BA
2.689	643901	542237	0.842	3.93		1 Aroclor 1221	BA
2.790	500793	479262	0.957	3.05		1 Aroclor 1221	BA
2.852	1534887	1351554	0.881	9.36		1 Aroclor 1221	BA
3.023	10617	9733	0.917	0.06			
3.055	30636	30135	0.984	0.18			
3.281	92683	74810	0.807	0.56			
3.325	303544	189448	0.624	1.85			
3.438	37484	32248	0.860	0.22			
3.514	140110	102323	0.730	0.85			
3.611	13687	14588	1.066	0.08			
3.698	10241	11169	1.091	0.06			
3.731	40086	39546	0.987	0.24			
3.755	31647	33655	1.063	0.19			
3.781	18308	18529	1.012	0.11			
3.827	308434	186612	0.605	1.88			
3.930	150651	125955	0.836	0.91			
3.994	93357	86300	0.924	0.56			
4.059	18086	14760	0.816	0.11			
4.216	33530	33179	0.990	0.20			
4.263	28640	27534	0.961	0.17			
4.295	19584	13339	0.681	0.11			
4.418	41278	41215	0.998	0.25			
4.452	39818	25948	0.652	0.24			
4.546	49371	46323	0.938	0.30			
4.621	13745	11080	0.806	0.08			
4.816	20024	18384	0.918	0.12			
4.849	30955	31225	1.009	0.18			
4.881	43959	32318	0.735	0.26			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.037	30627	27963	0.913	0.18	
5.512	13581	11282	0.831	0.08	
5.793	13053	10262	0.786	0.07	
7.123	15666	11408	0.728	0.09	
7.731	26593	21963	0.826	0.16	
7.786	13756	14830	1.078	0.08	
7.804	25028	18445	0.737	0.15	
8.277	44290	34530	0.780	0.27	
8.382	29672	19185	0.647	0.18	
8.573	4903502	4051658	0.826	29.93	$ 12 Decachlorobiphenyl
8.946	36309	21484	0.592	0.22	
9.472	36527	23253	0.637	0.22	
9.966	31126	19344	0.621	0.19	
	16380912	14232664		100.000	

Total unknown % area = 13

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718008.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 07-MAR-2018 13:58
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17498,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 8 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	5846096	0.05000	0.047		(M)	BA
1 Aroclor 1221					CAS #: 11104-28-2			
1.805	1.804	0.001	490233	0.50000	0.47	0.00- 20.00	100.00(M)	BA
2.407	2.407	0.000	258531	0.50000	0.47	0.00- 20.00	52.74	BA
2.688	2.688	0.000	643901	0.50000	0.46	0.00- 20.00	131.35	BA
2.789	2.789	0.000	500792	0.50000	0.45	0.00- 20.00	102.15	BA
2.851	2.851	0.000	1534887	0.50000	0.47	0.00- 20.00	313.09	BA
Average of Peak Amounts =					0.46400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.572	8.571	0.001	4903502	0.05000	0.045			

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\030718.b\030718008.D

Date : 07-MAR-2018 13:58

Client ID: 1221-CCV

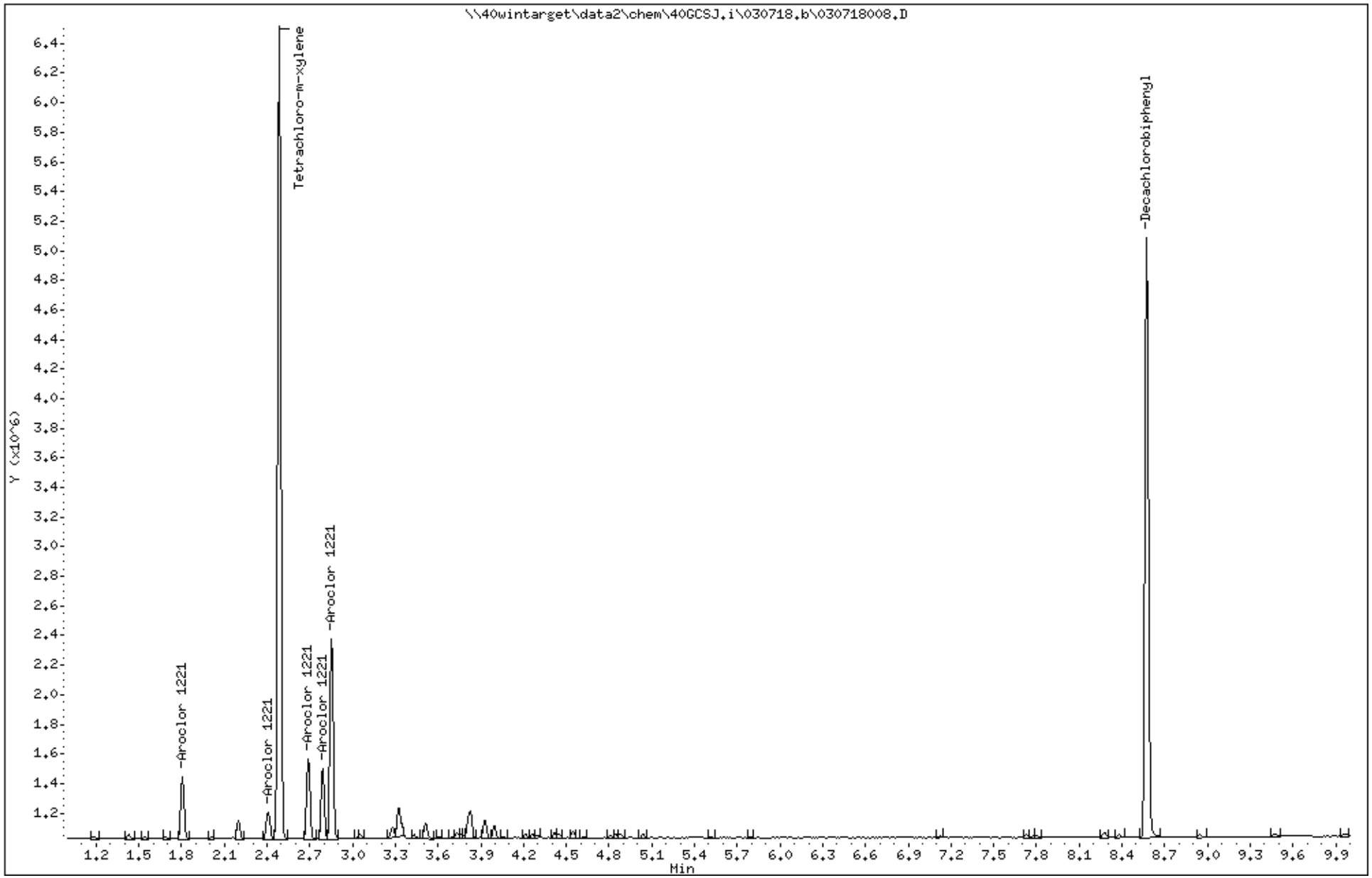
Instrument: 40GCSJ.i

Sample Info: 1221-CCV, 185538:1

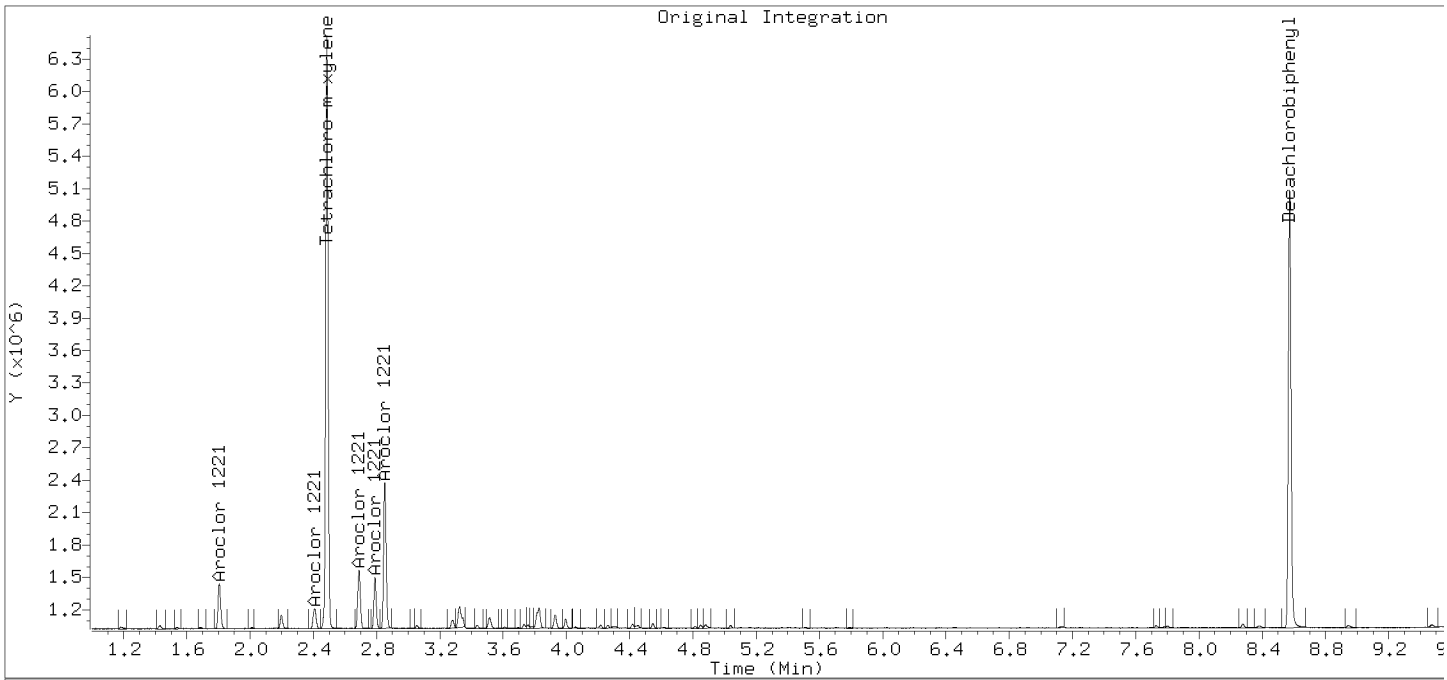
Operator: BLM

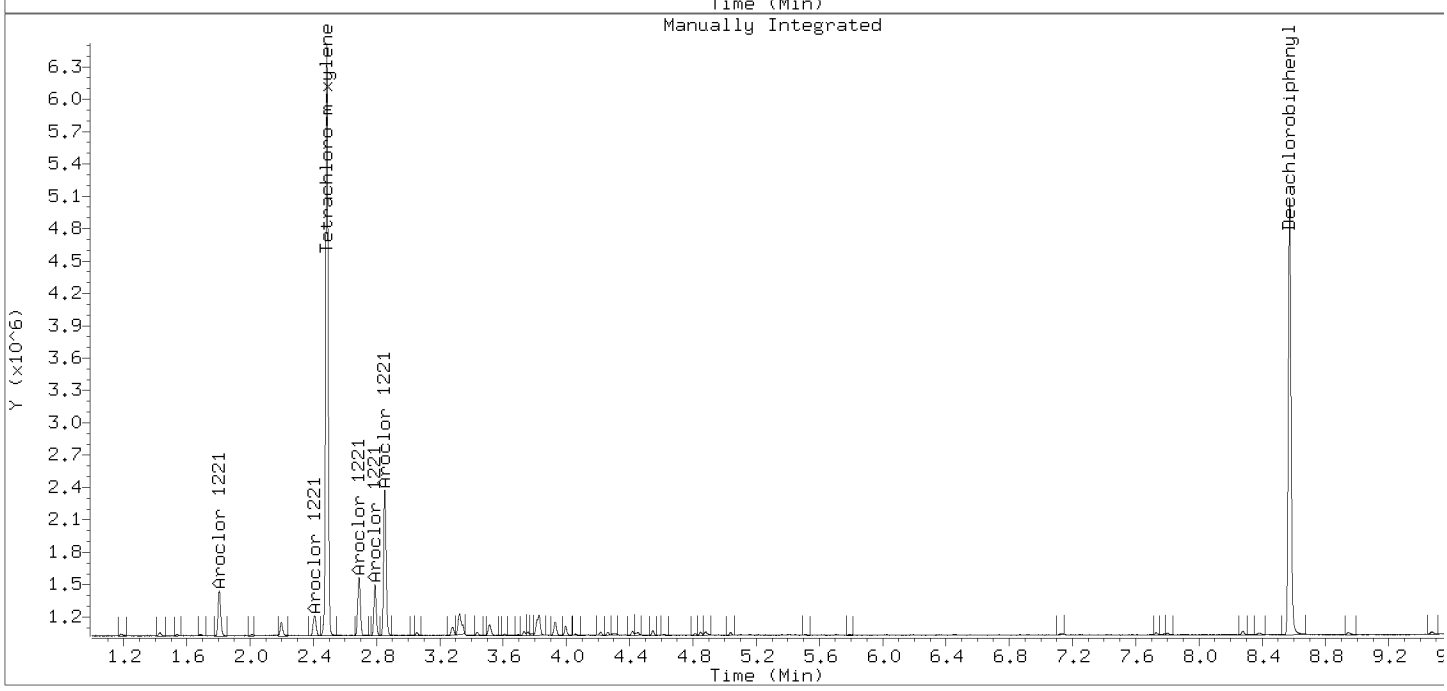
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718008.D (ManInt: AR1221.sub Orig: AR1221.sub)
Injection Date: 07-MAR-2018 13:58 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1221-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	482791	490233	BA
Aroclor 1221	482791	490233	BA
Aroclor 1221	482791	490233	BA
Aroclor 1221	482791	490233	BA
Aroclor 1221	482791	490233	BA
Tetrachloro-m-xylene	5835848	5846096	BA
Decachlorobiphenyl	4903502	4903502	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718032.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 07-MAR-2018 17:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 32 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	42187	31781	0.753	0.15		
1.429	39250	31190	0.795	0.14		
1.689	19615	16947	0.864	0.07		
1.805	299939	262951	0.877	1.08		
2.012	27796	19961	0.718	0.10		
2.198	92634	81382	0.879	0.33		
2.312	9498	5435	0.572	0.03		
2.405	203720	149555	0.734	0.73		
2.485	5963143	5775184	0.968	21.97	$ 2 Tetrachloro-m-xylene	
2.688	444781	367327	0.826	1.60		
2.789	414273	384773	0.929	1.49		
2.851	1328943	1195286	0.899	4.79	4 Aroclor 1232	BA
3.029	21709	17058	0.786	0.07		
3.054	93926	79137	0.843	0.33		
3.280	78796	56837	0.721	0.28		
3.319	776282	700124	0.902	2.80		
3.345	403479	385495	0.955	1.45		
3.435	131793	108384	0.822	0.47		
3.513	704348	508622	0.722	2.54	4 Aroclor 1232	BA
3.611	27222	25435	0.934	0.09		
3.645	21754	12461	0.573	0.07		
3.694	28795	26093	0.906	0.10		
3.732	184583	192148	1.041	0.66		
3.756	130094	123173	0.947	0.46		
3.780	32866	33497	1.019	0.11		
3.827	2040109	1182432	0.580	7.36	4 Aroclor 1232	BA
3.929	863732	738388	0.855	3.11	4 Aroclor 1232	BA
3.994	578249	550083	0.951	2.08	4 Aroclor 1232	BA
4.059	157012	132081	0.841	0.56		
4.136	67030	53753	0.802	0.24		
4.216	405908	389622	0.960	1.46		
4.262	394142	376287	0.955	1.42		
4.293	181816	181371	0.998	0.65		
4.311	201508	189603	0.941	0.72		
4.371	25384	18336	0.722	0.09		
4.417	556456	523979	0.942	2.00		
4.452	453196	319547	0.705	1.63		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.546	707543	672137	0.950	2.55	
4.618	168947	155811	0.922	0.60	
4.727	35842	33990	0.948	0.12	
4.766	42562	37601	0.883	0.15	
4.813	325343	322379	0.991	1.17	
4.848	567230	561145	0.989	2.04	
4.879	739495	582294	0.787	2.66	
4.960	75227	59279	0.788	0.27	
5.037	614588	586805	0.955	2.21	
5.099	99272	85966	0.866	0.35	
5.162	130195	118721	0.912	0.46	
5.212	91220	83296	0.913	0.32	
5.283	10845	9977	0.920	0.03	
5.309	20878	18149	0.869	0.07	
5.362	88626	79770	0.900	0.31	
5.407	143219	123433	0.862	0.51	
5.446	83335	76138	0.914	0.30	
5.490	29908	38622	1.291	0.10	
5.509	199416	177854	0.892	0.71	
5.605	67511	61929	0.917	0.24	
5.792	152395	132262	0.868	0.55	
5.887	19169	15470	0.807	0.06	
6.024	121398	112268	0.925	0.43	
6.056	32461	26282	0.810	0.11	
6.300	40407	35254	0.872	0.14	
6.369	9268	7926	0.855	0.03	
6.450	15778	11744	0.744	0.05	
6.718	12291	11793	0.959	0.04	
6.804	11905	10305	0.866	0.04	
6.911	11333	9418	0.831	0.04	
7.006	31204	23262	0.745	0.11	
7.076	11172	9144	0.818	0.04	
7.127	10355	9547	0.922	0.03	
7.251	22986	18196	0.792	0.08	
7.726	27534	22919	0.832	0.09	
7.779	16291	11146	0.684	0.05	
8.275	47180	40107	0.850	0.17	
8.380	24753	20284	0.819	0.08	
8.457	10414	8742	0.839	0.03	
8.572	5256397	4470233	0.850	18.97	$ 12 Decachlorobiphenyl
8.945	32596	21536	0.661	0.11	
9.469	45383	27583	0.608	0.16	
9.964	54566	35760	0.655	0.19	
	27704405	24222195		100.000	

Total unknown % area = 39

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718032.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 07-MAR-2018 17:11
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17498,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 32 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	5963142	0.05000	0.048			
4 Aroclor 1232						CAS #: 1114-16-5		
2.851	2.851	0.000	1328943	0.50000	0.53	0.00- 20.00	100.00(M)	BA
3.513	3.513	0.000	704348	0.50000	0.52	0.00- 20.00	53.00	BA
3.827	3.827	0.000	2040109	0.50000	0.54	0.00- 20.00	153.51	BA
3.929	3.929	0.000	863731	0.50000	0.54	0.00- 20.00	64.99	BA
3.994	3.995	-0.001	578248	0.50000	0.53	0.00- 20.00	43.51	BA
Average of Peak Amounts =					0.53200			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.571	8.571	0.000	5256397	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.

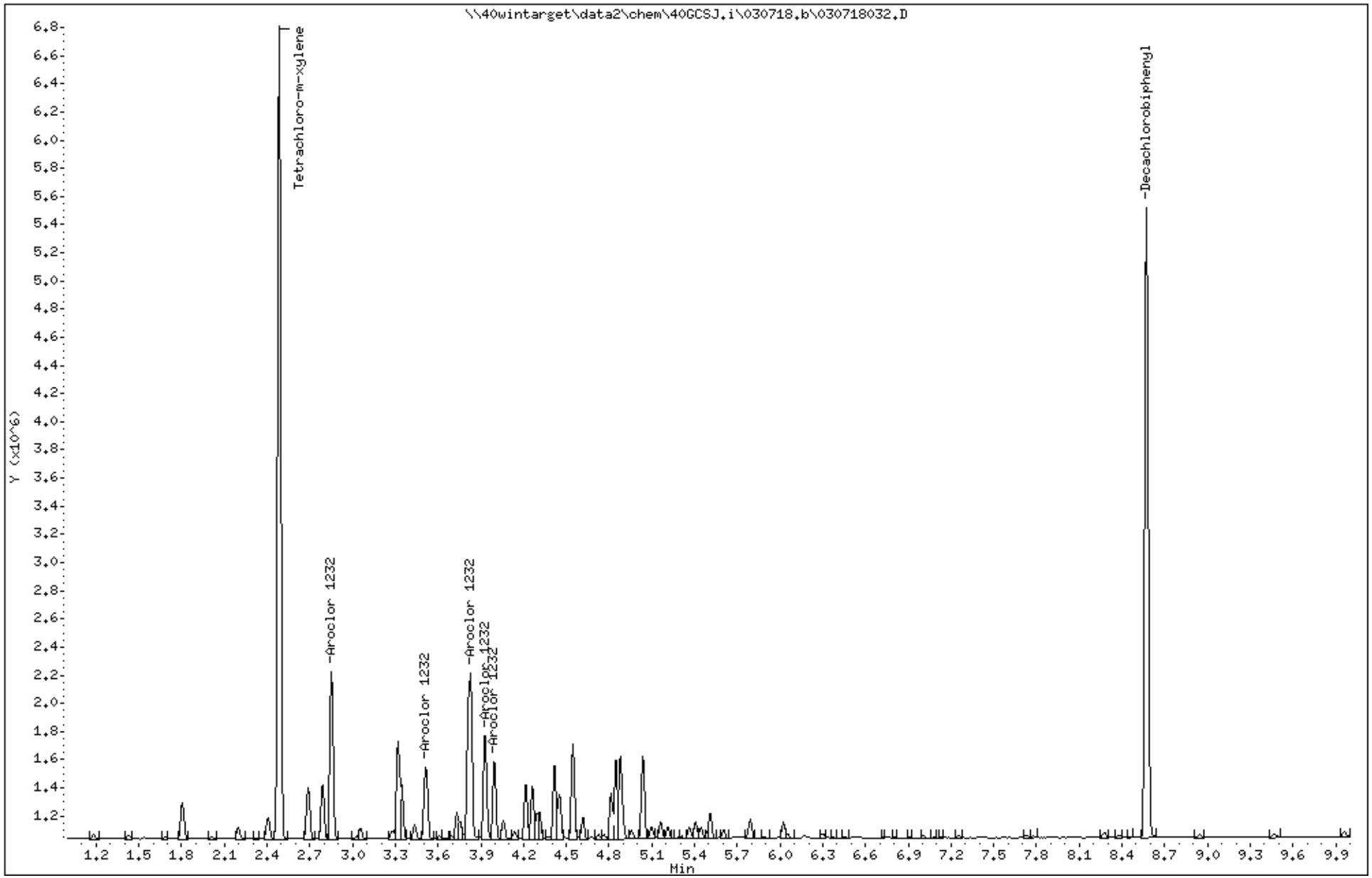
Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718032.D
Date : 07-MAR-2018 17:11
Client ID: 1232-CCV
Sample Info: 1232-CCV, 185539:1

Instrument: 40GCSJ.i

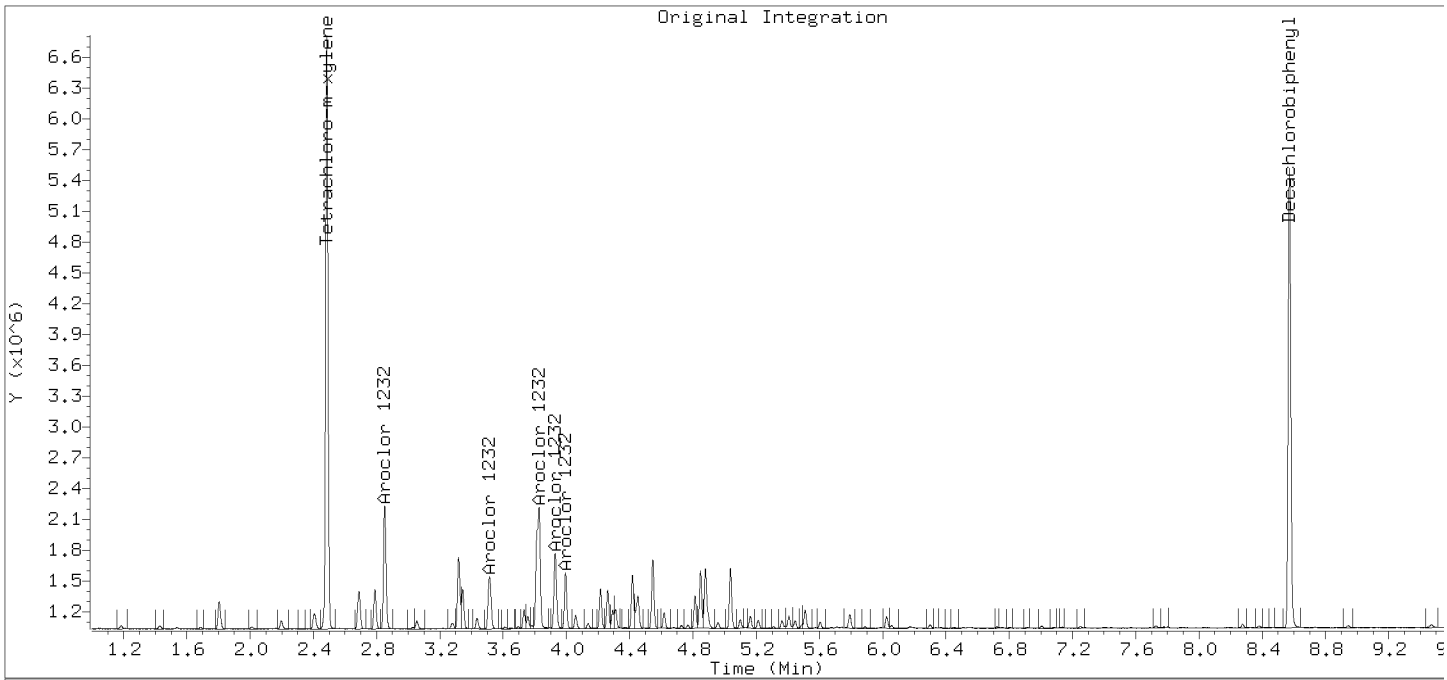
Operator: BLM

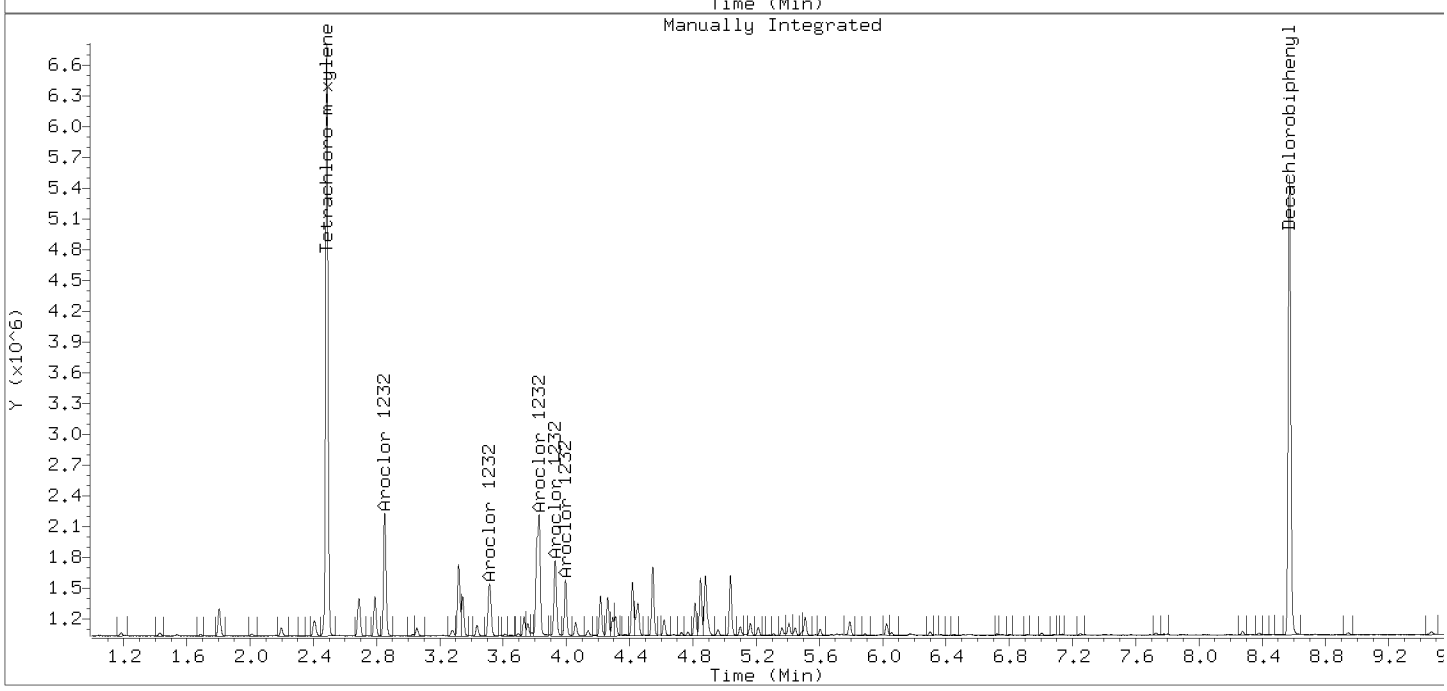
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718032.D (ManInt: AR1232.sub Orig: AR1232.sub)
Injection Date: 07-MAR-2018 17:11 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1232-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1319965	1328943	BA
Aroclor 1232	1319965	1328943	BA
Aroclor 1232	1319965	1328943	BA
Aroclor 1232	1319965	1328943	BA
Aroclor 1232	1319965	1328943	BA
Tetrachloro-m-xylene	5963142	5963142	
Decachlorobiphenyl	5256397	5256397	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618067.D
Lab Smp Id: 1221-ICV Client Smp ID: 1221-ICV
Inj Date : 06-MAR-2018 19:55
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-icv, 188142:1
Misc Info : 17499,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.465	38214	36202	0.947	0.21			
1.855	514457	494762	0.962	2.83		1 Aroclor 1221	BA
2.259	162116	142554	0.879	0.89			
2.473	267342	200294	0.749	1.47		1 Aroclor 1221	BA
2.551	5743427	5766878	1.004	31.64	$	2 Tetrachloro-m-xylene	BA
2.760	712141	572517	0.804	3.92		1 Aroclor 1221	BA
2.863	553688	529023	0.955	3.05		1 Aroclor 1221	BA
2.925	1745458	1519364	0.870	9.61		1 Aroclor 1221	BA
3.131	30989	28281	0.913	0.17			
3.362	123342	88158	0.715	0.67			
3.405	435339	209433	0.481	2.39			
3.514	46149	34066	0.738	0.25			
3.594	147621	106570	0.722	0.81			
3.692	35248	32985	0.936	0.19			
3.815	35328	37051	1.049	0.19			
3.839	30374	31656	1.042	0.16			
3.911	342116	195255	0.571	1.88			
4.013	169891	134786	0.793	0.93			
4.080	94696	86592	0.914	0.52			
4.143	15852	14783	0.933	0.08			
4.299	34604	32229	0.931	0.19			
4.345	28301	29171	1.031	0.15			
4.504	42131	39818	0.945	0.23			
4.535	44064	30821	0.699	0.24			
4.634	57656	49485	0.858	0.31			
4.704	17321	13339	0.770	0.09			
4.903	22307	19281	0.864	0.12			
4.936	37206	32908	0.884	0.20			
4.968	53233	34867	0.655	0.29			
5.125	35499	29396	0.828	0.19			
5.600	17080	12885	0.754	0.09			
7.815	16895	18211	1.078	0.09			
7.890	13748	11171	0.813	0.07			
8.364	48247	41431	0.859	0.26			
8.609	10446	7496	0.718	0.05			
8.660	6413962	5225163	0.815	35.51	$	12 Decachlorobiphenyl	
9.529	12375	9888	0.799	0.06			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
	18148862	15898770		100.000	

Total unknown % area = 12

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618067.D
Lab Smp Id: 1221-ICV Client Smp ID: 1221-ICV
Inj Date : 06-MAR-2018 19:55
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-icv, 188142:1
Misc Info : 17499,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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			
2.551	2.550	0.001	5743427	0.05000	0.048		(M)	BA
1 Aroclor 1221					CAS #: 11104-28-2			
1.855	1.853	0.002	514456	0.50000	0.52	0.00- 20.00	100.00(M)	BA
2.473	2.472	0.001	267342	0.50000	0.50	0.00- 20.00	51.97	BA
2.759	2.760	-0.001	712141	0.50000	0.50	0.00- 20.00	138.43	BA
2.862	2.862	0.000	553688	0.50000	0.50	0.00- 20.00	107.63	BA
2.925	2.926	-0.001	1745457	0.50000	0.52	0.00- 20.00	339.28	BA
Average of Peak Amounts =					0.50800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6413961	0.05000	0.050			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

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

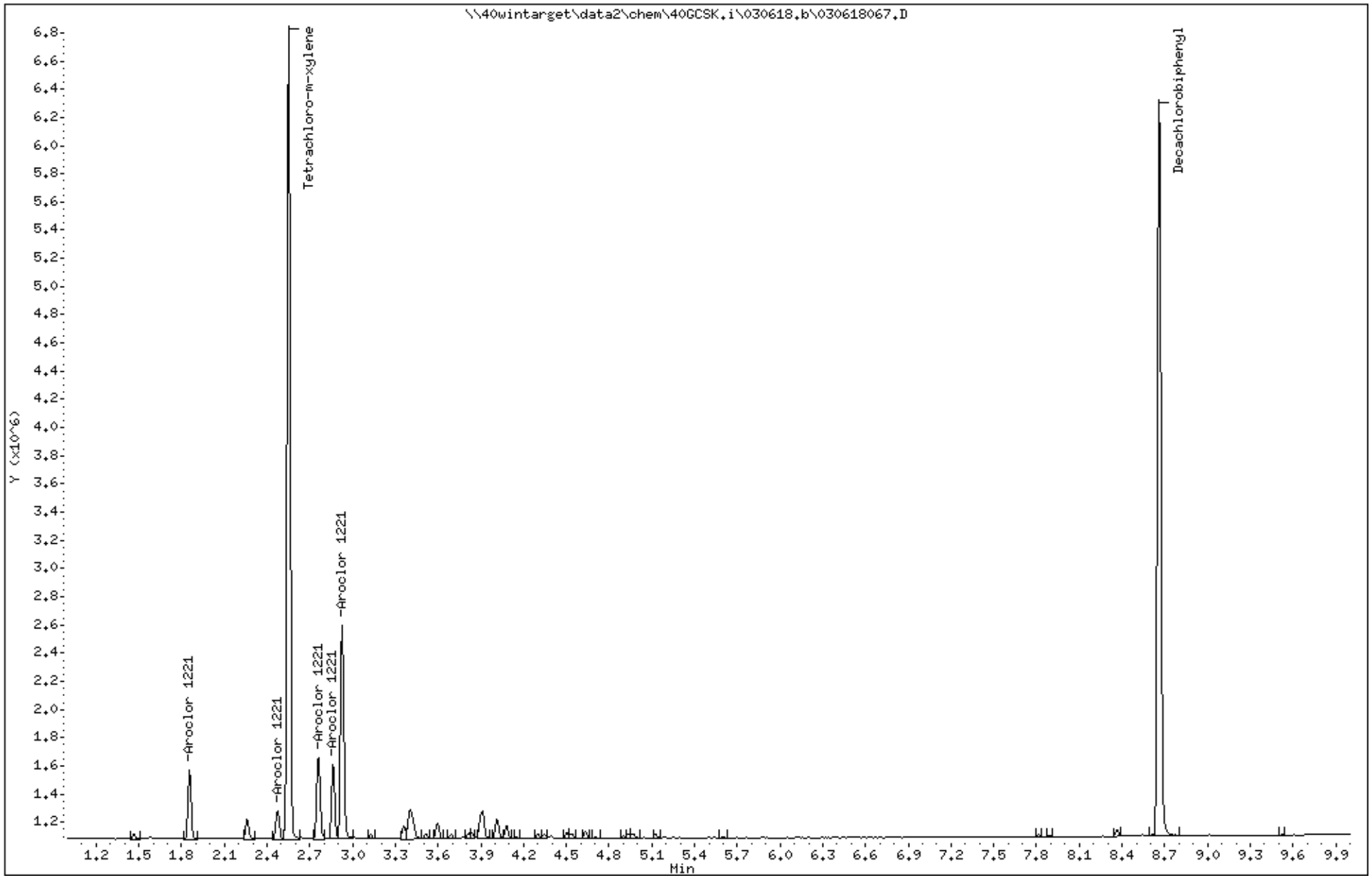
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618067.D
Date : 06-MAR-2018 19:55
Client ID: 1221-ICV
Sample Info: 1221-ICV, 188142:1

Instrument: 40GCSK.i

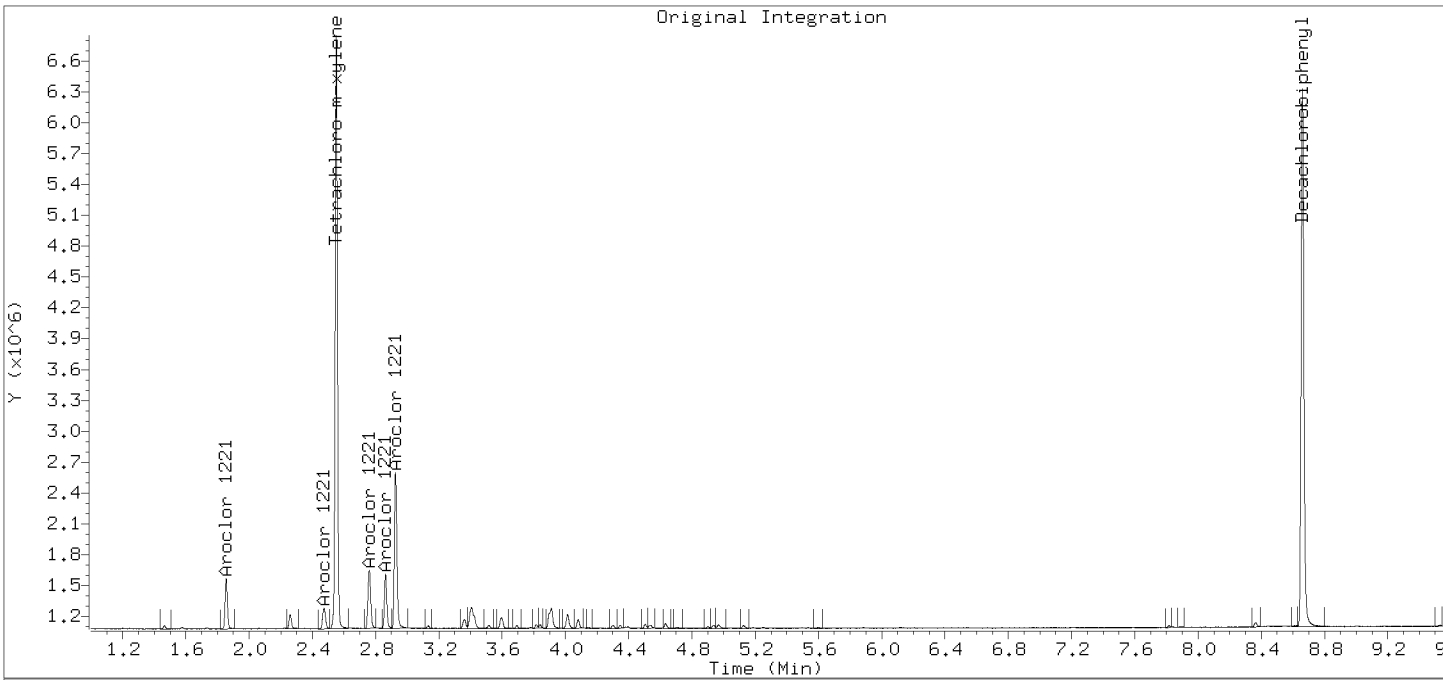
Operator: BLM

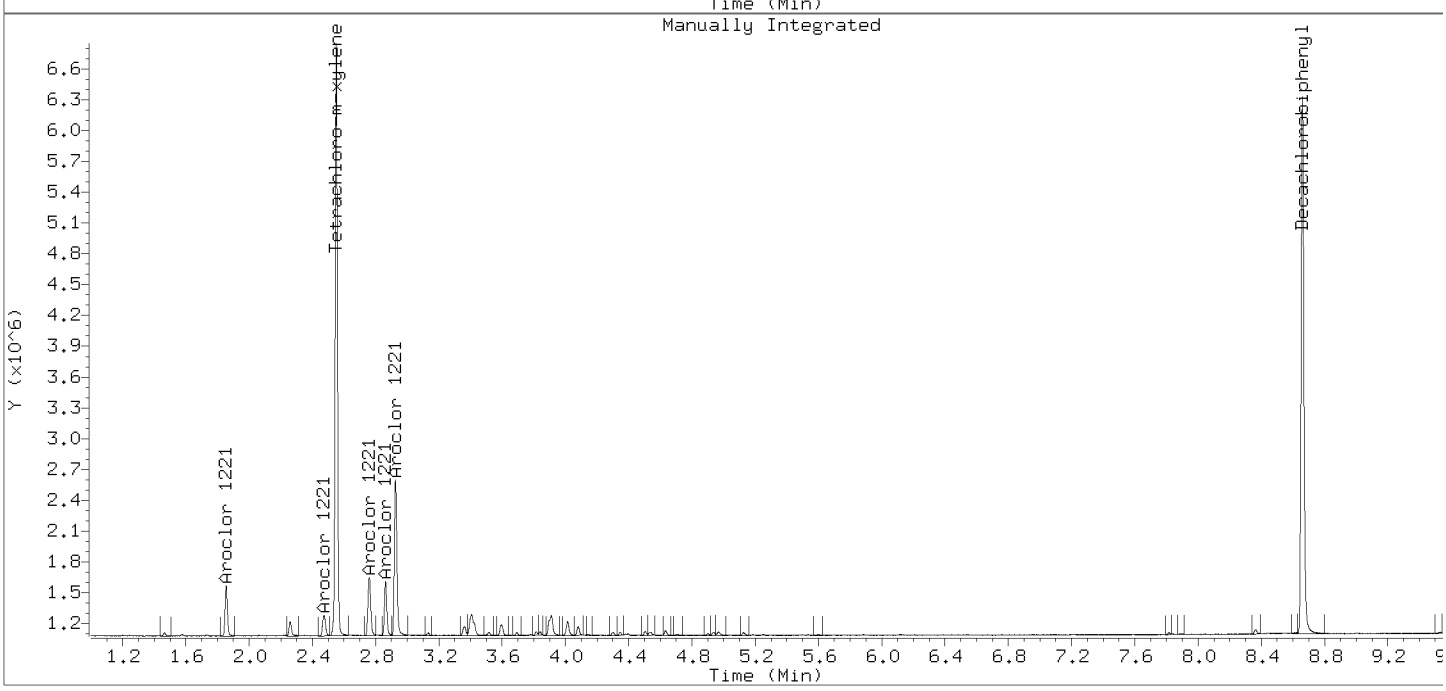
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618067.D (ManInt: AR1221.sub Orig: AR1221.sub)
Injection Date: 06-MAR-2018 19:55 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	506914	514456	BA
Aroclor 1221	506914	514456	BA
Aroclor 1221	506914	514456	BA
Aroclor 1221	506914	514456	BA
Aroclor 1221	506914	514456	BA
Tetrachloro-m-xylene	5725253	5743427	BA
Decachlorobiphenyl	6413961	6413961	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618069.D
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 06-MAR-2018 20:11
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-icv, 185562:1
Misc Info : 17499,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.246	10506	5895	0.561	0.02		
1.465	32146	31164	0.969	0.08		
1.579	14971	13214	0.883	0.03		
1.734	9793	11057	1.129	0.02		
2.472	128235	102234	0.797	0.32		
2.552	5576019	5536811	0.993	14.23	$ 2 Tetrachloro-m-xylene	
2.758	181940	144682	0.795	0.46		
2.862	269954	257075	0.952	0.68		
2.925	983647	904438	0.919	2.51		
3.131	130083	125049	0.961	0.33		
3.355	25414	17116	0.673	0.06		
3.398	1261960	1194659	0.947	3.22	3 Aroclor 1242	BA
3.424	763212	694394	0.910	1.94		
3.515	202076	181696	0.899	0.51		
3.596	1289197	935778	0.726	3.29	3 Aroclor 1242	BA
3.694	39386	34132	0.867	0.10		
3.779	35248	34252	0.972	0.08		
3.815	316400	308169	0.974	0.80		
3.840	223383	200324	0.897	0.57		
3.911	3738237	2111490	0.565	9.54	3 Aroclor 1242	BA
4.013	1610762	1279592	0.794	4.11	3 Aroclor 1242	BA
4.080	1080557	960242	0.889	2.75	3 Aroclor 1242	BA
4.144	303317	255457	0.842	0.77		
4.223	119991	101737	0.848	0.30		
4.300	839171	785749	0.936	2.14		
4.347	803924	759188	0.944	2.05		
4.378	328909	338366	1.029	0.83		
4.396	419709	384174	0.915	1.07		
4.460	26596	21406	0.805	0.06		
4.504	1124474	1048517	0.932	2.87		
4.539	932526	669988	0.718	2.38		
4.632	1479476	1278500	0.864	3.77		
4.705	347758	313883	0.903	0.88		
4.767	26815	21394	0.798	0.06		
4.813	71870	56178	0.782	0.18		
4.856	78689	69501	0.883	0.20		
4.901	665265	626883	0.942	1.69		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.936	1203701	1102050	0.916	3.07	
4.966	1585466	1122735	0.708	4.04	
5.048	194621	129647	0.666	0.49	
5.126	1314845	1129401	0.859	3.35	
5.188	276565	198413	0.717	0.70	
5.249	294832	251333	0.852	0.75	
5.301	225213	187543	0.833	0.57	
5.395	54541	40885	0.750	0.13	
5.451	175621	155675	0.886	0.44	
5.496	318056	259682	0.816	0.81	
5.534	201862	165078	0.818	0.51	
5.598	530679	398760	0.751	1.35	
5.694	166678	131614	0.790	0.42	
5.764	18089	15008	0.830	0.04	
5.805	26143	22660	0.867	0.06	
5.831	40043	32936	0.823	0.10	
5.880	350807	252287	0.719	0.89	
5.979	36252	29231	0.806	0.09	
6.114	320690	228157	0.711	0.81	
6.317	13688	9412	0.688	0.03	
6.389	63481	55760	0.878	0.16	
6.426	14736	11529	0.782	0.03	
6.628	26834	19298	0.719	0.06	
7.092	20603	15467	0.751	0.05	
7.530	11212	8984	0.801	0.02	
7.817	31261	20776	0.665	0.07	
7.892	12832	12216	0.952	0.03	
8.364	52001	43477	0.836	0.13	
8.661	6055928	4877159	0.805	15.82	$ 12 Decachlorobiphenyl
9.007	17502	12184	0.696	0.04	
9.524	18037	10489	0.582	0.04	
	39164436	32764230		100.000	

Total unknown % area = 47

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618069.D
Lab Smp Id: 1242-ICV Client Smp ID: 1242-ICV
Inj Date : 06-MAR-2018 20:11
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-icv, 185562:1
Misc Info : 17499,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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		
2.551	2.550	0.001	5576018	0.05000	0.047			
3 Aroclor 1242						CAS #: 53469-21-9		
3.397	3.398	-0.001	1261960	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.595	3.596	-0.001	1289197	0.50000	0.50	0.00- 20.00	102.16	BA
3.910	3.910	0.000	3738237	0.50000	0.49	0.00- 20.00	296.22	BA
4.013	4.013	0.000	1610761	0.50000	0.50	0.00- 20.00	127.64	BA
4.079	4.080	-0.001	1080557	0.50000	0.50	0.00- 20.00	85.63	BA
Average of Peak Amounts =					0.49800			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
8.660	8.660	0.000	6055928	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.

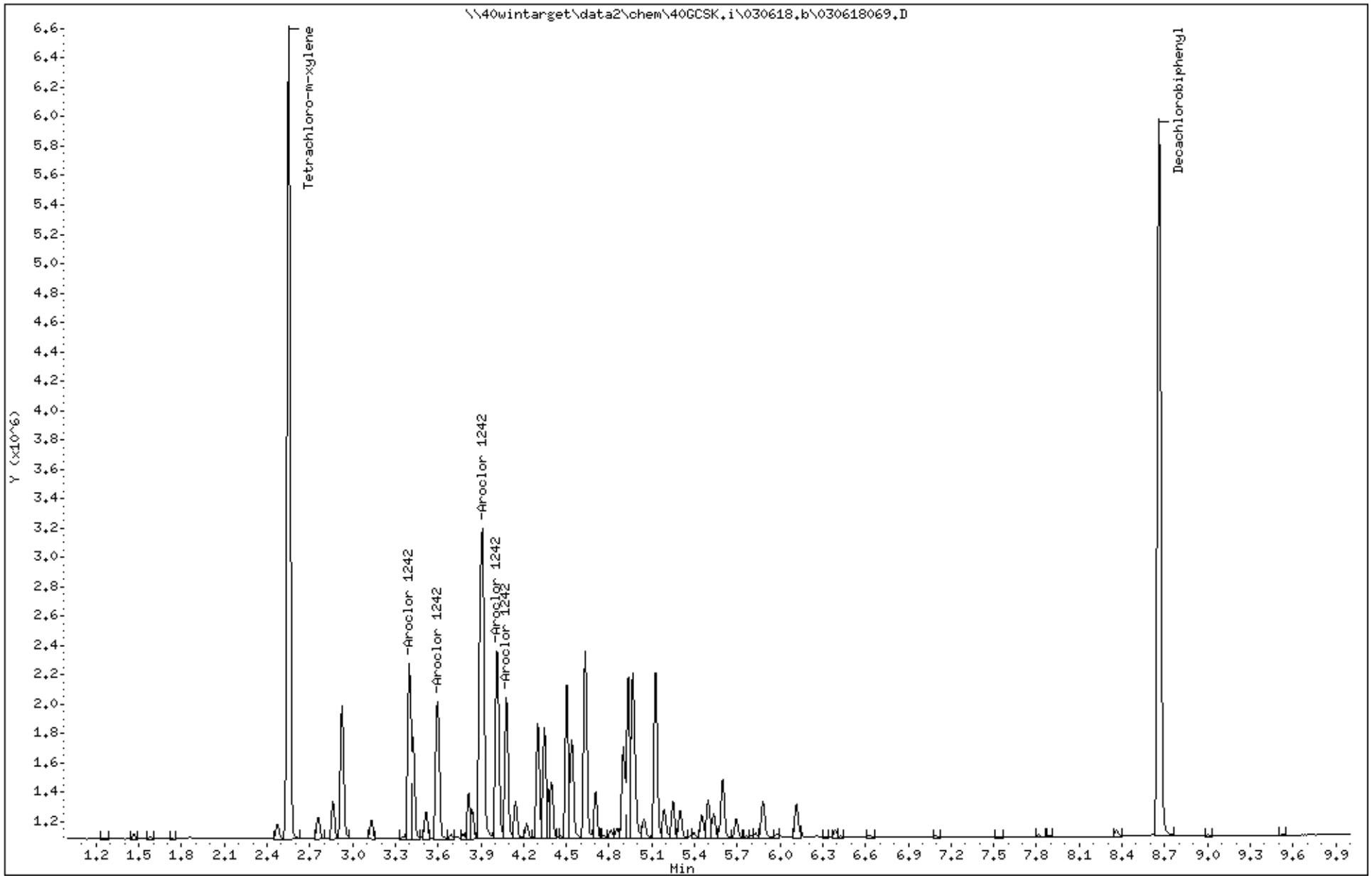
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618069.D
Date : 06-MAR-2018 20:11
Client ID: 1242-ICV
Sample Info: 1242-ICV, 185562:1

Instrument: 40GCSK.i

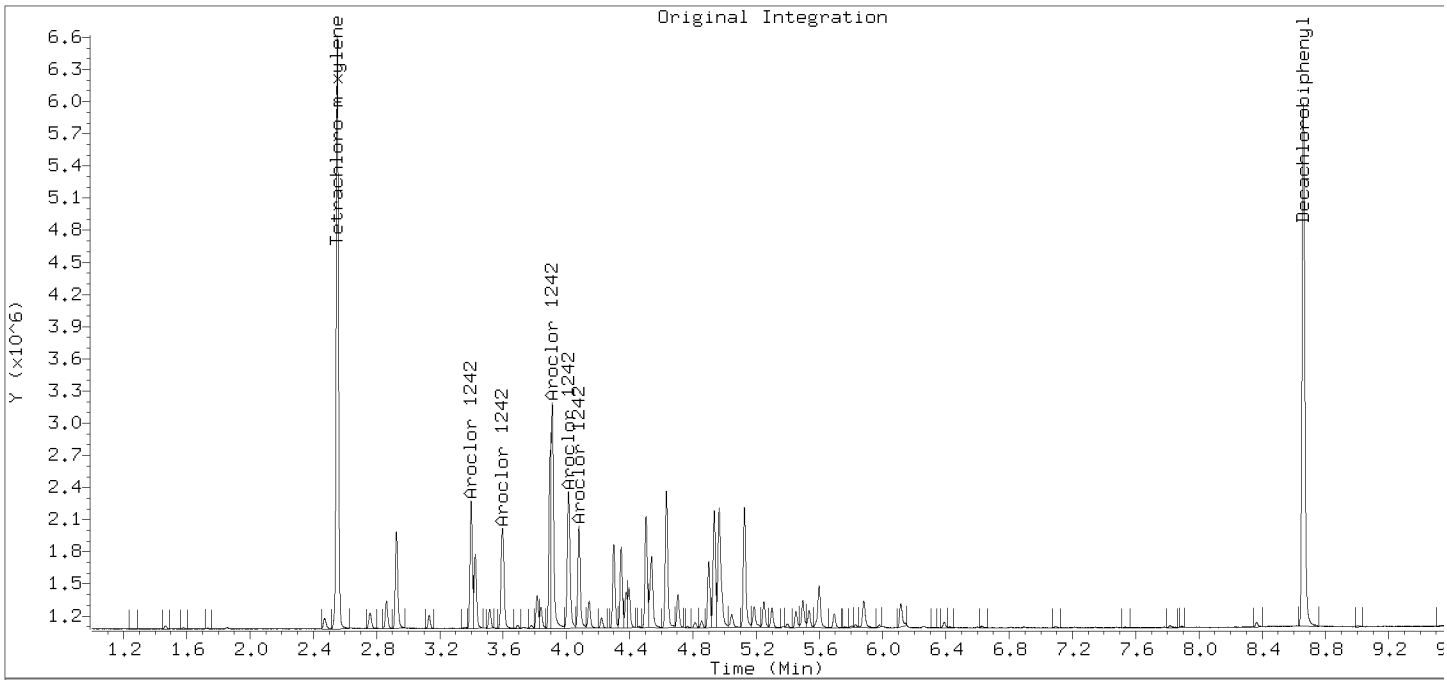
Operator: BLM

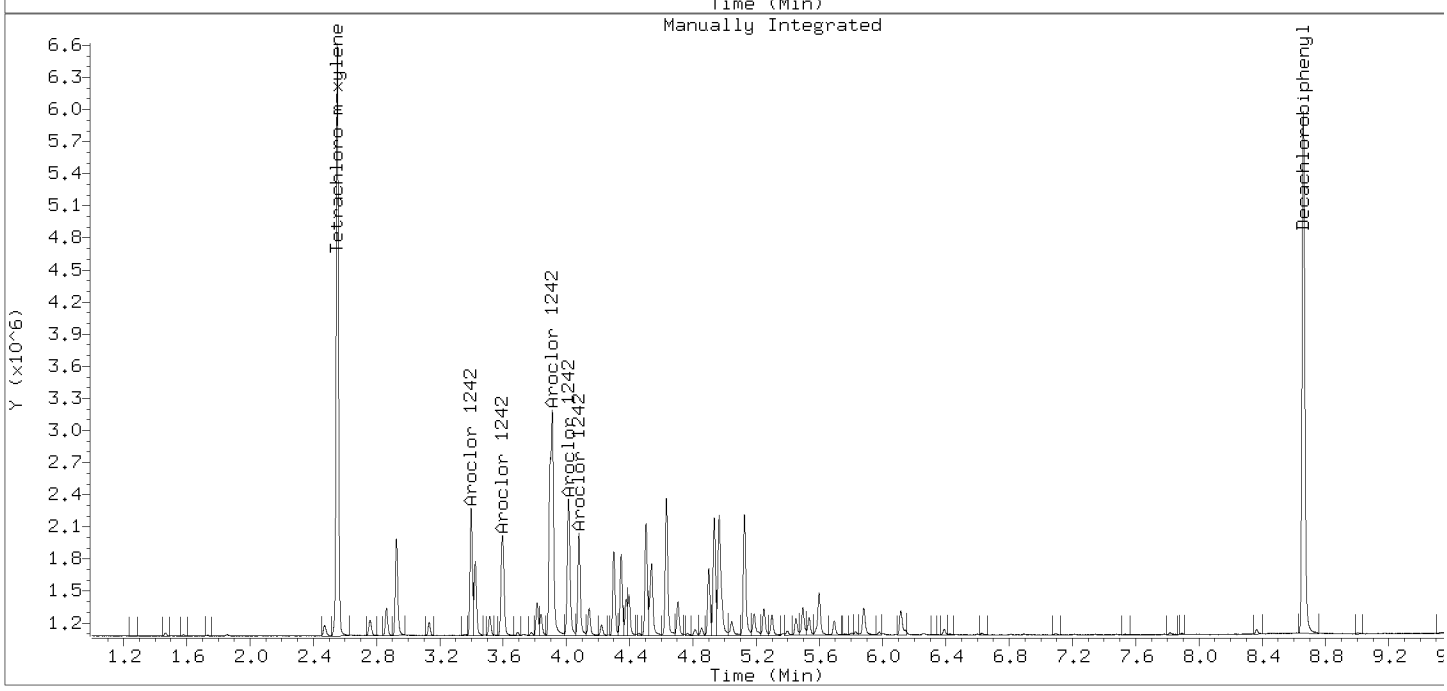
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618069.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 06-MAR-2018 20:11 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1250763	1261960	BA
Aroclor 1242	1250763	1261960	BA
Aroclor 1242	1250763	1261960	BA
Aroclor 1242	1250763	1261960	BA
Aroclor 1242	1250763	1261960	BA
Tetrachloro-m-xylene	5576018	5576018	
Decachlorobiphenyl	6055928	6055928	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618071.D
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 06-MAR-2018 20:27
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-icv, 185563:1
Misc Info : 17499,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.465	34144	32415	0.949	0.07		
1.577	16739	13428	0.802	0.03		
1.734	18097	15192	0.839	0.03		
2.061	13008	11510	0.885	0.02		
2.470	14684	10503	0.715	0.03		
2.551	5622839	5631200	1.001	12.27	$ 2 Tetrachloro-m-xylene	
2.758	16578	13066	0.788	0.03		
2.860	85971	85979	1.000	0.18		
2.926	86661	84182	0.971	0.18		
3.131	46193	44482	0.963	0.10		
3.397	634098	632057	0.997	1.38		
3.424	256318	238821	0.932	0.55		
3.517	47360	43607	0.921	0.10		
3.597	518667	378291	0.729	1.13		
3.692	33287	33561	1.008	0.07		
3.725	11434	9606	0.840	0.02		
3.815	105754	101765	0.962	0.23		
3.839	46298	38891	0.840	0.10		
3.898	981191	1149695	1.172	2.14		
3.911	1348643	1190337	0.883	2.94		
4.015	857693	624806	0.728	1.87		
4.079	571333	509261	0.891	1.24		
4.144	362221	327827	0.905	0.79		
4.222	150388	130200	0.866	0.32		
4.300	1515815	1400797	0.924	3.30		
4.347	1235927	1179022	0.954	2.69	6 Aroclor 1248	BA
4.378	527179	541154	1.027	1.15		
4.395	599194	544282	0.908	1.30		
4.504	1851012	1741333	0.941	4.04		
4.539	980239	818497	0.835	2.13		
4.632	2203707	1933539	0.877	4.81	6 Aroclor 1248	BA
4.678	42342	44183	1.043	0.09		
4.705	517439	473525	0.915	1.12		
4.765	37327	22917	0.614	0.08		
4.813	66162	49746	0.752	0.14		
4.855	121072	106126	0.877	0.26		
4.900	1112129	1057955	0.951	2.42	6 Aroclor 1248	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.935	2148687	1969231	0.916	4.69	
4.966	2828637	1798980	0.636	6.17	6 Aroclor 1248
5.045	377661	266345	0.705	0.82	
5.126	2033889	1771400	0.871	4.43	6 Aroclor 1248
5.188	640496	553427	0.864	1.39	
5.216	78363	83184	1.062	0.17	
5.249	831558	734367	0.883	1.81	
5.299	627311	541642	0.863	1.36	
5.372	45233	42523	0.940	0.09	
5.397	137603	113374	0.824	0.30	
5.451	522646	442205	0.846	1.14	
5.496	893853	756881	0.847	1.95	
5.534	564391	495862	0.879	1.23	
5.598	1498788	1186013	0.791	3.27	
5.694	438530	374712	0.854	0.95	
5.762	45954	36341	0.791	0.10	
5.804	79626	65904	0.828	0.17	
5.828	113002	94487	0.836	0.24	
5.852	37040	45086	1.217	0.08	
5.880	1040340	816828	0.785	2.27	
5.977	144595	86451	0.598	0.31	
6.079	30994	28063	0.905	0.06	
6.115	1008765	747211	0.741	2.20	
6.257	73470	52149	0.710	0.16	
6.315	57882	30125	0.520	0.12	
6.388	242696	201340	0.830	0.52	
6.424	55265	42534	0.770	0.12	
6.462	41933	33484	0.799	0.09	
6.600	15398	15651	1.016	0.03	
6.626	93052	66980	0.720	0.20	
6.807	17639	17026	0.965	0.03	
6.850	10645	11562	1.086	0.02	
6.891	41926	34878	0.832	0.09	
6.934	11342	9799	0.864	0.02	
7.095	43506	36034	0.828	0.09	
7.203	11185	9997	0.894	0.02	
7.340	23736	21232	0.895	0.05	
7.531	15410	11610	0.753	0.03	
7.816	18863	17529	0.929	0.04	
7.889	13078	12300	0.940	0.02	
7.990	16669	9846	0.591	0.03	
8.364	57207	44261	0.774	0.12	
8.661	6046114	4899799	0.810	13.57	$ 12 Decachlorobiphenyl
9.003	17253	11623	0.674	0.03	
9.174	13555	10372	0.765	0.02	
9.530	17874	11275	0.631	0.03	
	45812805	39925681		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618071.D
Lab Smp Id: 1248-ICV Client Smp ID: 1248-ICV
Inj Date : 06-MAR-2018 20:27
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-icv, 185563:1
Misc Info : 17499,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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			
2.551	2.550	0.001	5622839	0.05000	0.047			
6 Aroclor 1248					CAS #: 12672-29-6			
4.346	4.347	-0.001	1235926	0.50000	0.50	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	2203706	0.50000	0.49	0.00- 20.00	178.30	BA
4.899	4.900	-0.001	1112129	0.50000	0.52	0.00- 20.00	89.98	BA
4.966	4.967	-0.001	2828636	0.50000	0.50	0.00- 20.00	228.87	BA
5.125	5.127	-0.002	2033889	0.50000	0.52	0.00- 20.00	164.56	BA
Average of Peak Amounts =					0.50600			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.660	8.660	0.000	6046113	0.05000	0.047			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

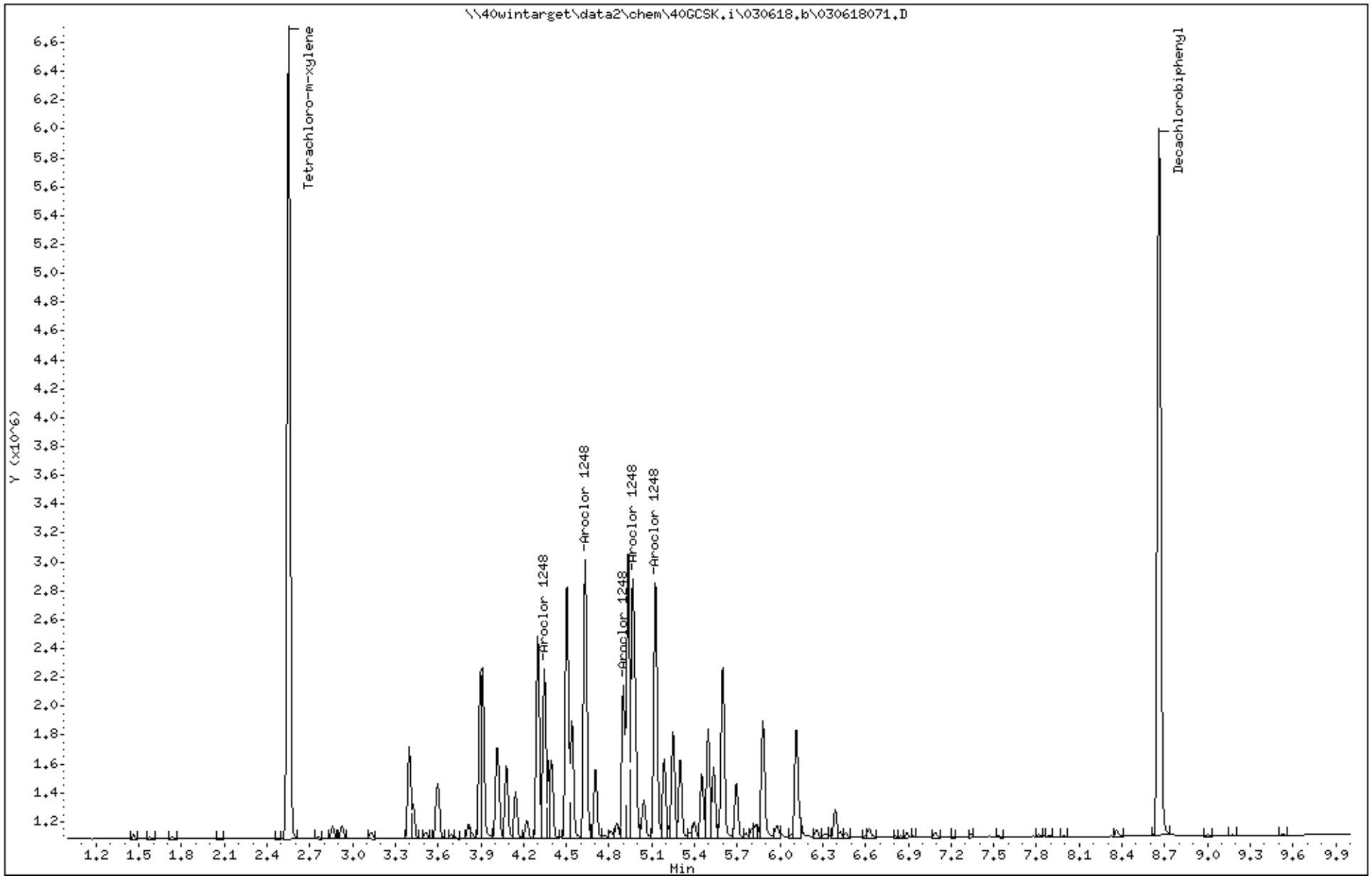
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618071.D
Date : 06-MAR-2018 20:27
Client ID: 1248-ICV
Sample Info: 1248-ICV, 185563:1

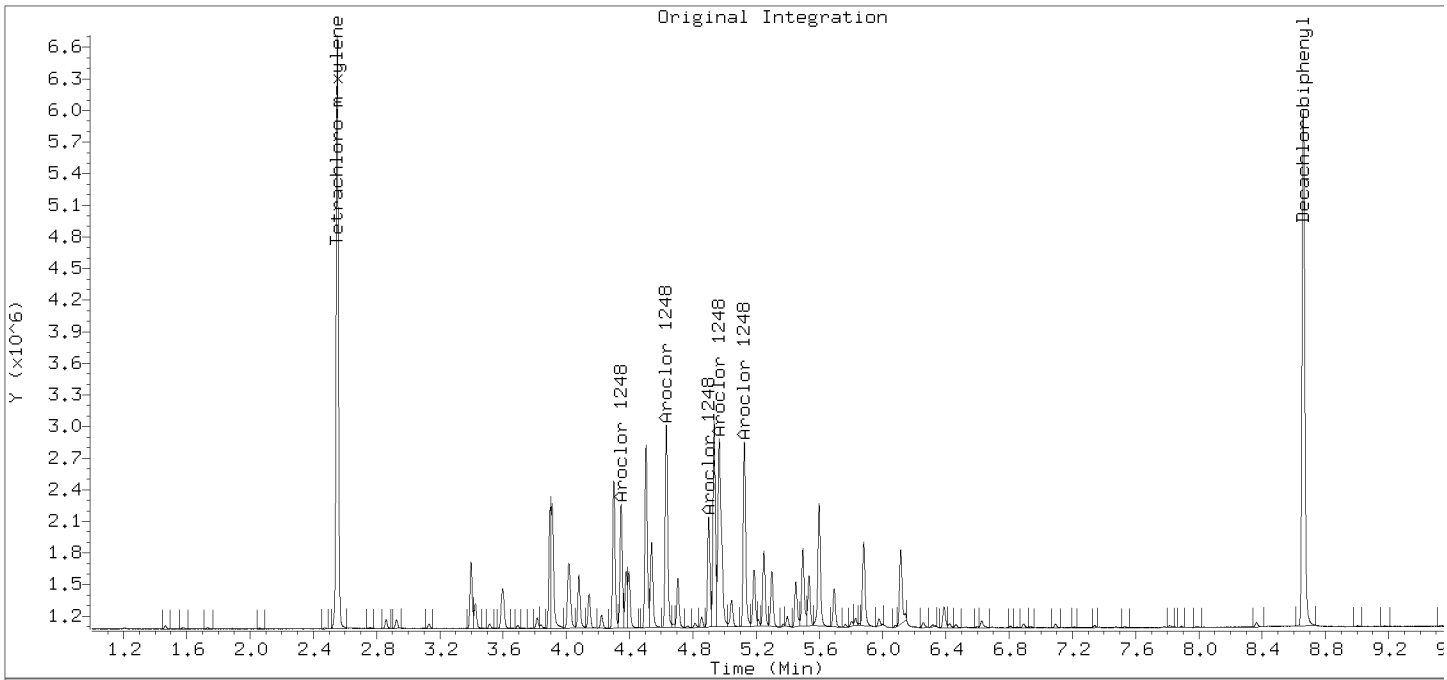
Instrument: 40GCSK.i

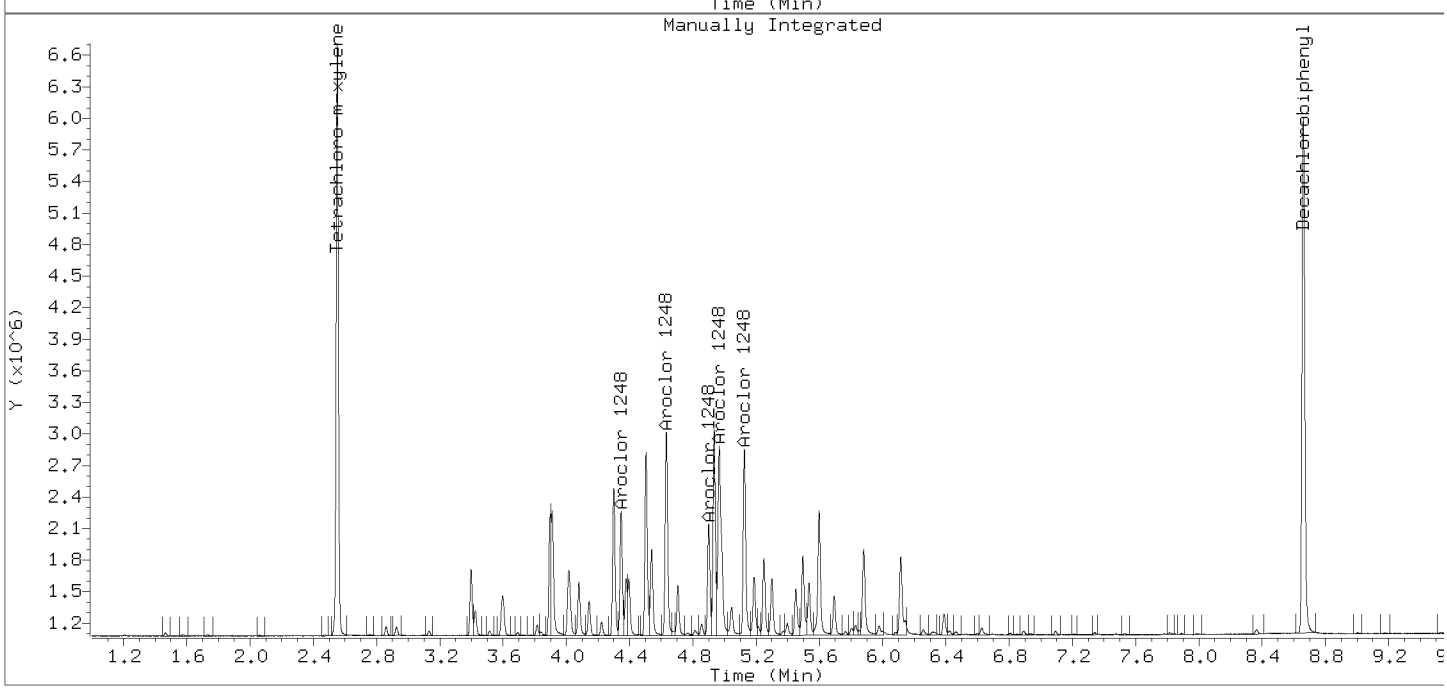
Operator: BLM

Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618071.D (ManInt: AR1248.sub Orig: AR1248.sub)
Injection Date: 06-MAR-2018 20:27 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1216314	1235926	BA
Aroclor 1248	1216314	1235926	BA
Aroclor 1248	1216314	1235926	BA
Aroclor 1248	1216314	1235926	BA
Aroclor 1248	1216314	1235926	BA
Tetrachloro-m-xylene	5622839	5622839	
Decachlorobiphenyl	6046113	6046113	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618073.D
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 06-MAR-2018 20:44
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-icv, 185564:1
Misc Info : 17499,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.204	13094	11280	0.861	0.02		
1.465	29862	32643	1.093	0.05		
1.575	12332	13576	1.101	0.02		
1.731	10388	12227	1.177	0.01		
2.551	5583253	5645924	1.011	10.35	$ 2 Tetrachloro-m-xylene	
2.860	78158	79044	1.011	0.14		
2.926	14548	13755	0.946	0.02		
3.127	21779	17665	0.811	0.04		
3.395	21197	20407	0.963	0.03		
3.423	12600	12808	1.017	0.02		
3.596	19496	14521	0.745	0.03		
3.692	28523	30842	1.081	0.05		
3.898	70445	36440	0.517	0.13		
4.023	45190	33260	0.736	0.08		
4.080	22346	16223	0.726	0.04		
4.143	14211	12705	0.894	0.02		
4.299	1107384	1024748	0.925	2.05		
4.346	290789	278748	0.959	0.53		
4.377	43016	35659	0.829	0.07		
4.504	646750	620664	0.960	1.19		
4.540	71531	58299	0.815	0.13		
4.632	294651	269006	0.913	0.54		
4.679	10627	13548	1.275	0.01		
4.707	49717	41912	0.843	0.09		
4.768	20779	15376	0.740	0.03		
4.825	14907	11535	0.774	0.02		
4.854	20324	17750	0.873	0.03		
4.900	253270	239769	0.947	0.46		
4.935	994193	920584	0.926	1.84		
4.982	2331618	1832354	0.786	4.32		
5.045	391327	345983	0.884	0.72		
5.126	212630	174252	0.820	0.39		
5.187	1370639	1204079	0.878	2.54		
5.249	2580988	2296047	0.890	4.78	7 Aroclor 1254	BA
5.300	1203032	1036571	0.862	2.23		
5.371	75752	63764	0.842	0.14		
5.397	219205	192072	0.876	0.40		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.451	999567	923815	0.924	1.85	
5.495	2150736	1850994	0.861	3.98	7 Aroclor 1254
5.534	729871	643121	0.881	1.35	
5.567	281518	264968	0.941	0.52	
5.598	3796478	3337188	0.879	7.04	7 Aroclor 1254
5.664	53766	47959	0.892	0.09	
5.693	540416	463418	0.858	1.00	
5.763	374420	346649	0.926	0.69	
5.801	586424	374877	0.639	1.08	
5.829	350785	279878	0.798	0.65	
5.878	4042126	3031901	0.750	7.49	
5.973	387675	285939	0.738	0.71	
6.016	219422	139552	0.636	0.40	
6.081	358168	327247	0.914	0.66	
6.116	2432449	2014399	0.828	4.51	7 Aroclor 1254
6.143	1998733	1599118	0.800	3.70	
6.257	781132	644375	0.825	1.44	
6.317	315327	316670	1.004	0.58	
6.331	368403	296644	0.805	0.68	
6.389	3470573	2867476	0.826	6.43	7 Aroclor 1254
6.423	715959	607910	0.849	1.32	
6.463	397250	312479	0.787	0.73	
6.525	97826	58655	0.600	0.18	
6.598	135925	132717	0.976	0.25	
6.627	1209789	923831	0.764	2.24	
6.693	193943	148389	0.765	0.35	
6.750	43139	32184	0.746	0.08	
6.808	237605	201094	0.846	0.44	
6.847	144460	124835	0.864	0.26	
6.891	706750	612015	0.866	1.31	
6.932	216148	129637	0.600	0.40	
7.029	66004	55536	0.841	0.12	
7.093	499790	413928	0.828	0.92	
7.162	23657	19498	0.824	0.04	
7.340	406233	361785	0.891	0.75	
7.371	98083	82457	0.841	0.18	
7.481	17843	14747	0.826	0.03	
7.529	29189	22804	0.781	0.05	
7.640	15516	16252	1.047	0.02	
7.779	14707	14325	0.974	0.02	
7.816	15532	16355	1.053	0.02	
7.990	24516	18704	0.763	0.04	
8.364	55346	47337	0.855	0.10	
8.660	6109340	5000970	0.819	11.73	$ 12 Decachlorobiphenyl
9.176	10264	9273	0.903	0.01	
	53923356	46129945		100.000	

Total unknown % area = 51

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618073.D
Lab Smp Id: 1254-ICV Client Smp ID: 1254-ICV
Inj Date : 06-MAR-2018 20:44
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1254-icv, 185564:1
Misc Info : 17499,AR1254
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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			
2.550	2.550	0.000	5583252	0.05000	0.047			
7 Aroclor 1254					CAS #: 11097-69-1			
5.249	5.249	0.000	2580988	0.50000	0.45	0.00- 20.00	100.00(M)	BA
5.495	5.496	-0.001	2150736	0.50000	0.46	0.00- 20.00	83.33	BA
5.598	5.598	0.000	3796478	0.50000	0.44	0.00- 20.00	147.09	BA
6.116	6.117	-0.001	2432448	0.50000	0.45	0.00- 20.00	94.24	BA
6.388	6.388	0.000	3470573	0.50000	0.47	0.00- 20.00	134.47	BA
Average of Peak Amounts =					0.45400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6109339	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.

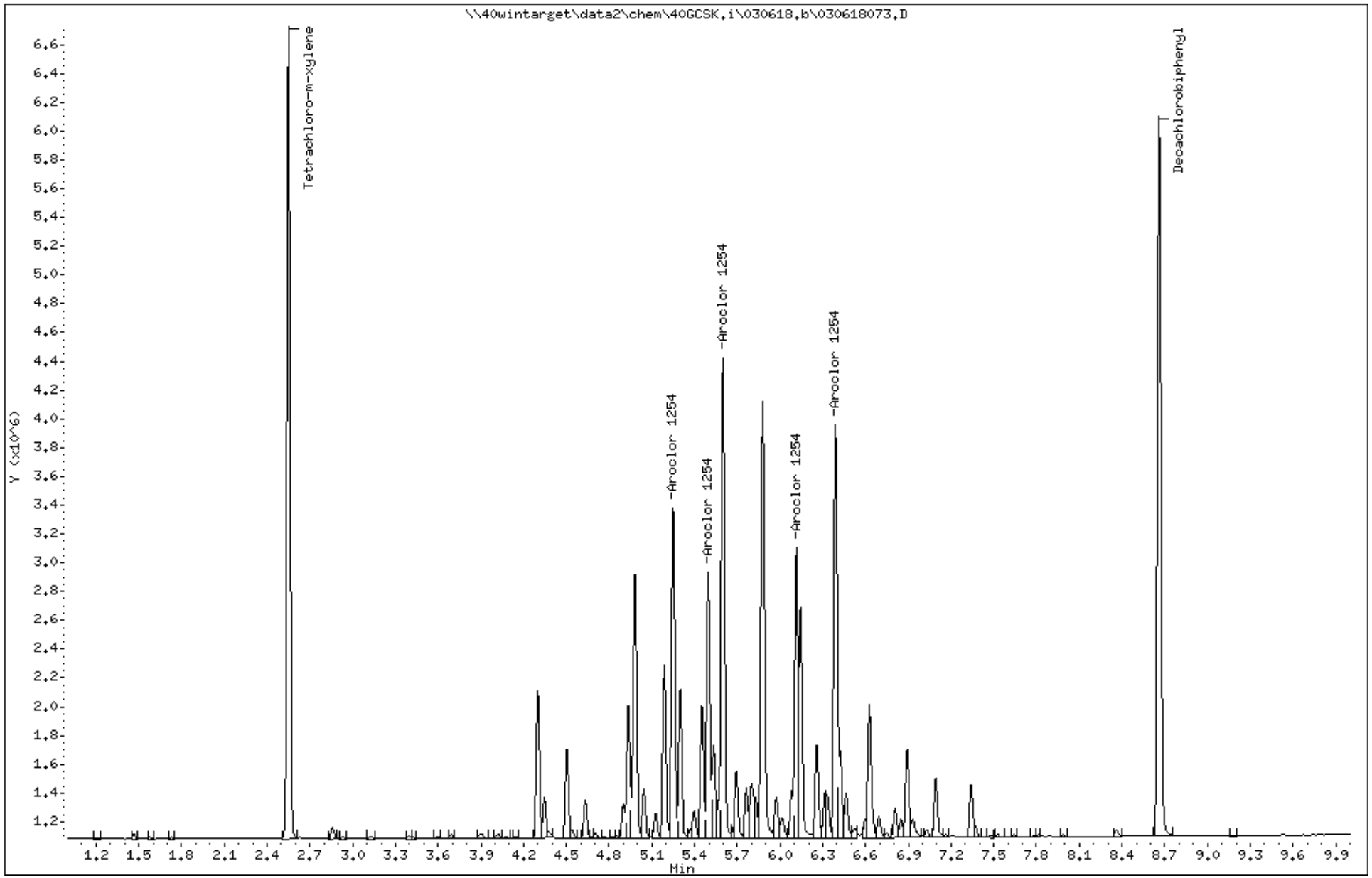
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618073.D
Date : 06-MAR-2018 20:44
Client ID: 1254-ICV
Sample Info: 1254-ICV, 185564:1

Instrument: 40GCSK.i

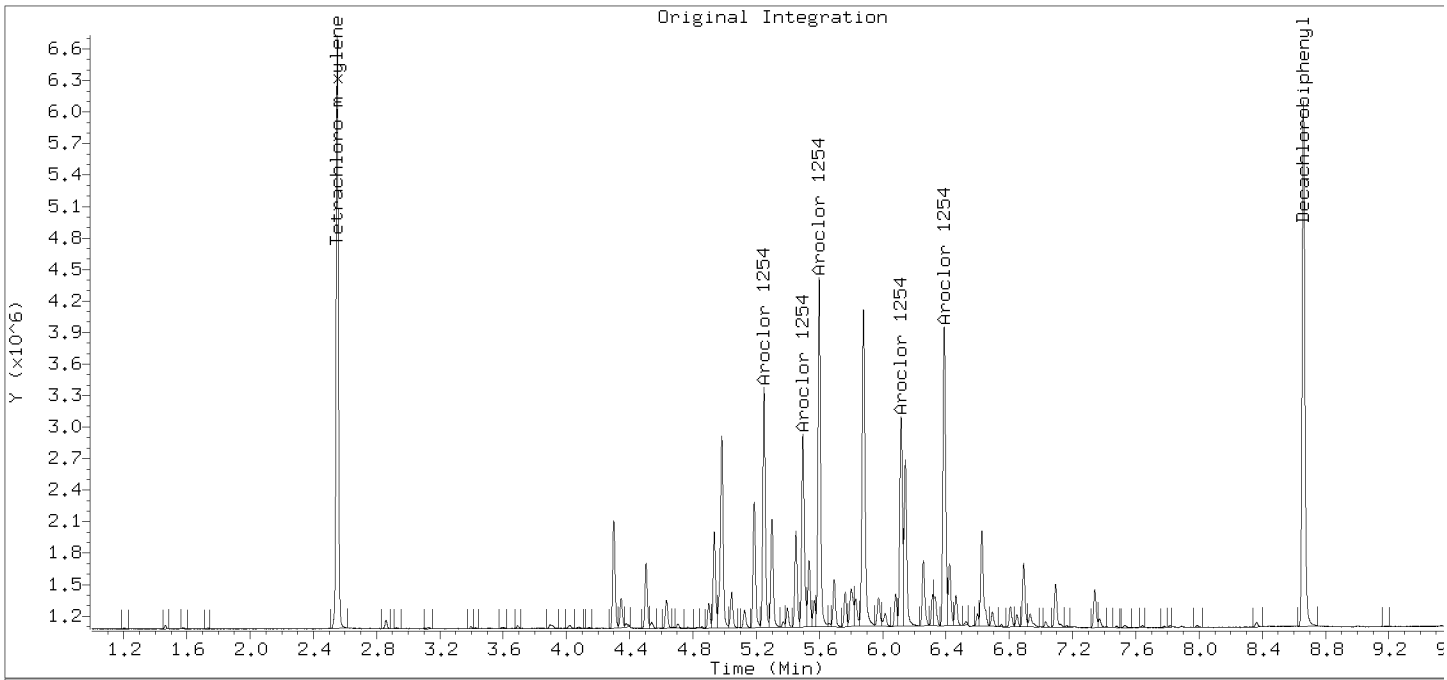
Operator: BLM

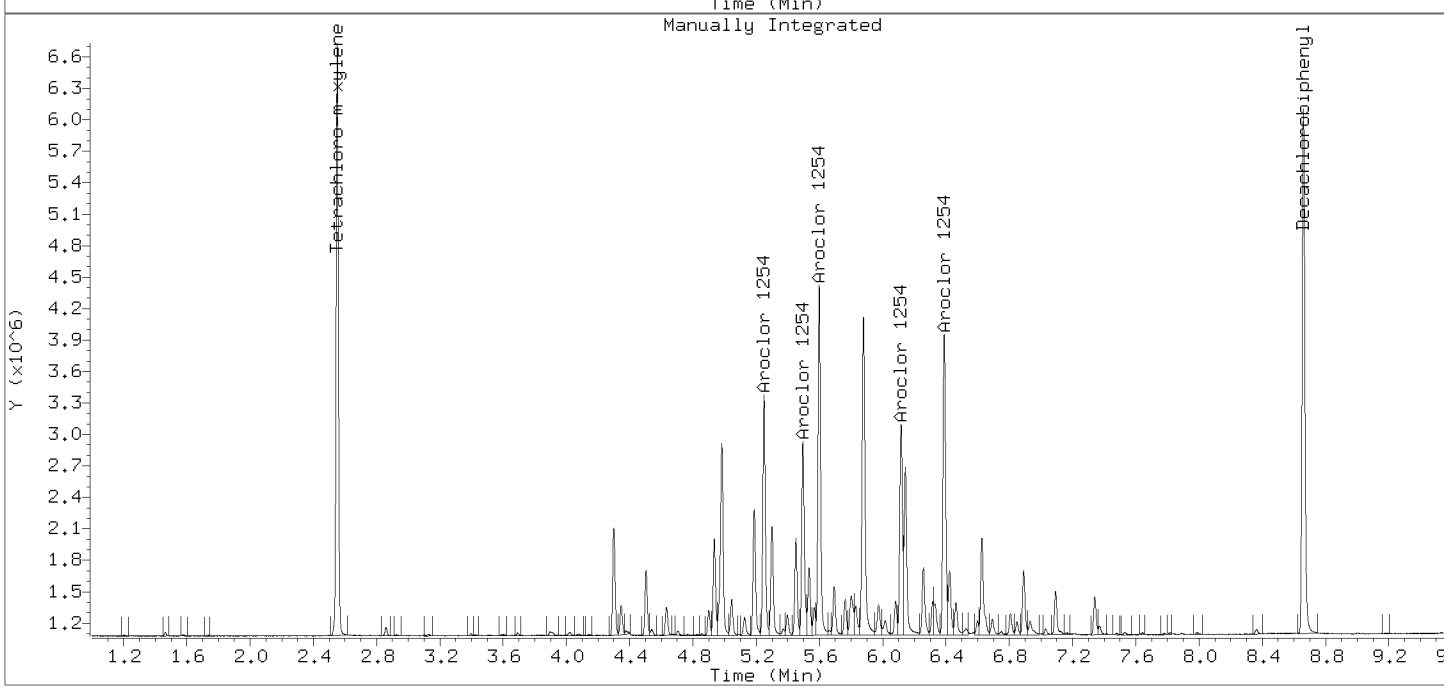
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618073.D (ManInt: AR1254.sub Orig: AR1254.sub)
Injection Date: 06-MAR-2018 20:44 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1254-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1254	2551112	2580988	BA
Aroclor 1254	2551112	2580988	BA
Aroclor 1254	2551112	2580988	BA
Aroclor 1254	2551112	2580988	BA
Aroclor 1254	2551112	2580988	BA
Tetrachloro-m-xylene	5583252	5583252	
Decachlorobiphenyl	6109339	6109339	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618075.D
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 06-MAR-2018 21:00
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-icv, 185565:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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
1.465	35028	31004	0.885	0.03		
1.575	11748	13046	1.110	0.01		
1.733	10695	13021	1.218	0.01		
1.853	10270	13093	1.275	0.01		
2.471	128983	105991	0.822	0.14		
2.551	5610633	5590656	0.996	6.31	$ 2 Tetrachloro-m-xylene	
2.758	186151	152006	0.817	0.20		
2.862	283471	264646	0.934	0.31		
2.925	1088126	1005271	0.924	1.22		
3.132	162984	153874	0.944	0.18		
3.359	21073	16298	0.773	0.02		
3.397	1545983	1454867	0.941	1.73	5 Aroclor 1016	BA
3.424	941498	853077	0.906	1.05		
3.515	250077	218468	0.874	0.28		
3.595	1573153	1120236	0.712	1.77	5 Aroclor 1016	BA
3.693	39306	33963	0.864	0.04		
3.728	25226	18330	0.727	0.02		
3.780	42686	40420	0.947	0.04		
3.815	391624	387859	0.990	0.44		
3.838	265955	238237	0.896	0.29		
3.911	4666036	2643863	0.567	5.25	5 Aroclor 1016	BA
4.013	1980703	1578667	0.797	2.22	5 Aroclor 1016	BA
4.080	1328553	1207667	0.909	1.49	5 Aroclor 1016	BA
4.144	403055	357181	0.886	0.45		
4.222	151682	133835	0.882	0.17		
4.300	1113930	1038394	0.932	1.25		
4.346	1048223	979152	0.934	1.17		
4.378	419275	453413	1.081	0.47		
4.396	589229	519421	0.882	0.66		
4.460	31441	20515	0.652	0.03		
4.504	1378292	1281444	0.930	1.55		
4.539	959863	774739	0.807	1.08		
4.633	1625915	1438556	0.885	1.82		
4.705	314243	273014	0.869	0.35		
4.768	21804	16678	0.765	0.02		
4.813	35723	27487	0.769	0.04		
4.856	32446	25530	0.787	0.03		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.901	153916	145876	0.948	0.17	
4.936	247049	219685	0.889	0.27	
4.982	1240018	1001816	0.808	1.39	
5.045	59953	43271	0.722	0.06	
5.127	83358	69132	0.829	0.09	
5.188	246735	221695	0.899	0.27	
5.250	1226091	1106130	0.902	1.37	
5.301	42563	33982	0.798	0.04	
5.396	14341	10273	0.716	0.01	
5.452	56216	50180	0.893	0.06	
5.496	274719	249583	0.909	0.30	
5.532	12254	15315	1.250	0.01	
5.567	536582	514072	0.958	0.60	
5.598	775964	711595	0.917	0.87	
5.692	15479	11456	0.740	0.01	
5.763	1429695	1331328	0.931	1.60	
5.798	987673	557179	0.564	1.11	
5.873	3390118	2878015	0.849	3.81	
5.972	220155	190834	0.867	0.24	
6.016	102444	82817	0.808	0.11	
6.081	575788	535802	0.931	0.64	
6.119	1194602	1201372	1.006	1.34	
6.144	3968852	3331931	0.840	4.46	
6.257	2572585	1564834	0.608	2.89	
6.346	526474	321727	0.611	0.59	
6.389	4589552	3671001	0.800	5.16	8 Aroclor 1260
6.422	669026	578015	0.864	0.75	
6.463	170048	119235	0.701	0.19	
6.521	518370	453586	0.875	0.58	
6.573	104308	129826	1.245	0.11	
6.598	2429314	2110535	0.869	2.73	
6.626	354807	400080	1.128	0.39	
6.649	1504147	1304482	0.867	1.69	
6.694	152211	106316	0.698	0.17	
6.749	471889	433006	0.918	0.53	
6.806	2632372	2361880	0.897	2.96	
6.848	1502003	1325308	0.882	1.69	
6.893	1131217	972489	0.860	1.27	
6.927	218263	193156	0.885	0.24	
6.957	111862	94116	0.841	0.12	
7.002	159188	147534	0.927	0.17	
7.031	522212	470098	0.900	0.58	
7.093	5840101	5036860	0.862	6.57	8 Aroclor 1260
7.123	409581	414776	1.013	0.46	
7.164	201207	146819	0.730	0.22	
7.210	247282	202911	0.821	0.27	
7.340	2767804	2498711	0.903	3.11	8 Aroclor 1260
7.370	849560	657810	0.774	0.95	
7.478	1437686	1163043	0.809	1.61	
7.531	1682583	1411392	0.839	1.89	8 Aroclor 1260
7.640	112069	87578	0.781	0.12	
7.779	690529	604808	0.876	0.77	
7.817	164961	128495	0.779	0.18	
7.889	73612	59695	0.811	0.08	
7.989	1645186	1369373	0.832	1.85	8 Aroclor 1260
8.053	122054	89507	0.733	0.13	
8.364	566678	482196	0.851	0.63	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.659	6115700	5113480	0.836	7.36	$ 12 Decachlorobiphenyl
9.525	11181	8768	0.784	0.01	
	88857271	75240704		100.000	

Total unknown % area = 55

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030618.b\030618075.D
Lab Smp Id: 1660-ICV Client Smp ID: 1660-ICV
Inj Date : 06-MAR-2018 21:00
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1660-icv, 185565:1
Misc Info : 17499,AR1660
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030618.b\pcba030618.m
Meth Date : 23-Mar-2018 13:17 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.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			
2.551	2.550	0.001	5610632	0.05000	0.047			
5 Aroclor 1016					CAS #: 12674-11-2			
3.396	3.397	-0.001	1545983	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.595	3.595	0.000	1573153	0.50000	0.51	0.00- 20.00	101.76	BA
3.910	3.910	0.000	4666036	0.50000	0.50	0.00- 20.00	301.82	BA
4.013	4.013	0.000	1980702	0.50000	0.50	0.00- 20.00	128.12	BA
4.079	4.079	0.000	1328553	0.50000	0.50	0.00- 20.00	85.94	BA
Average of Peak Amounts =					0.50400			
8 Aroclor 1260					CAS #: 11096-82-5			
6.388	6.388	0.000	4589551	0.50000	0.47	0.00- 20.00	100.00(M)	CO
7.092	7.092	0.000	5840101	0.50000	0.51	0.00- 20.00	127.25	CO
7.340	7.340	0.000	2767804	0.50000	0.50	0.00- 20.00	60.31	CO
7.530	7.531	-0.001	1682583	0.50000	0.50	0.00- 20.00	36.66	CO
7.989	7.988	0.001	1645185	0.50000	0.53	0.00- 20.00	35.85	CO
Average of Peak Amounts =					0.50200			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6115699	0.05000	0.047			

QC Flag Legend

M - Compound response manually integrated.

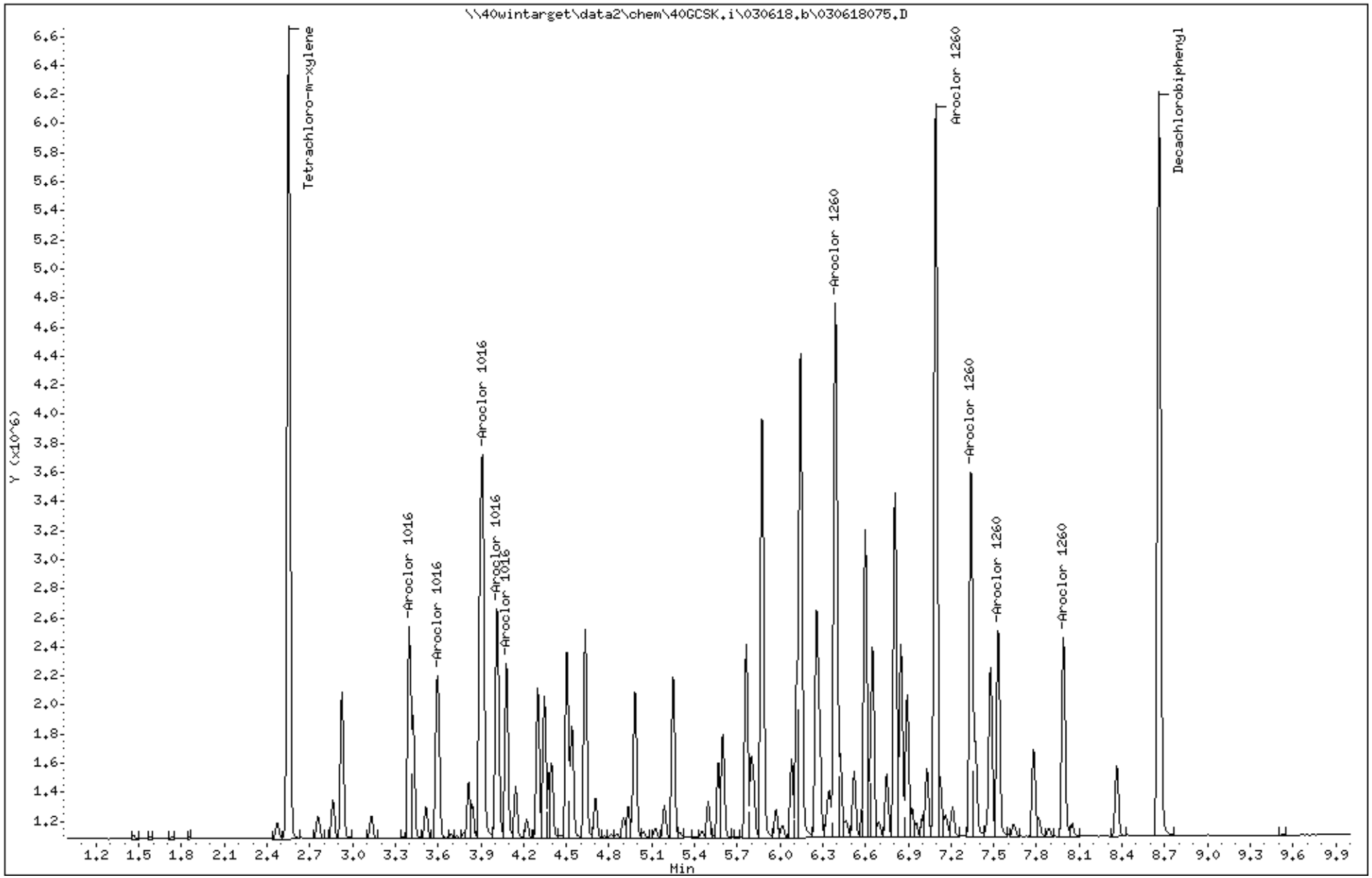
QC Flag Legend

Review Codes Legend

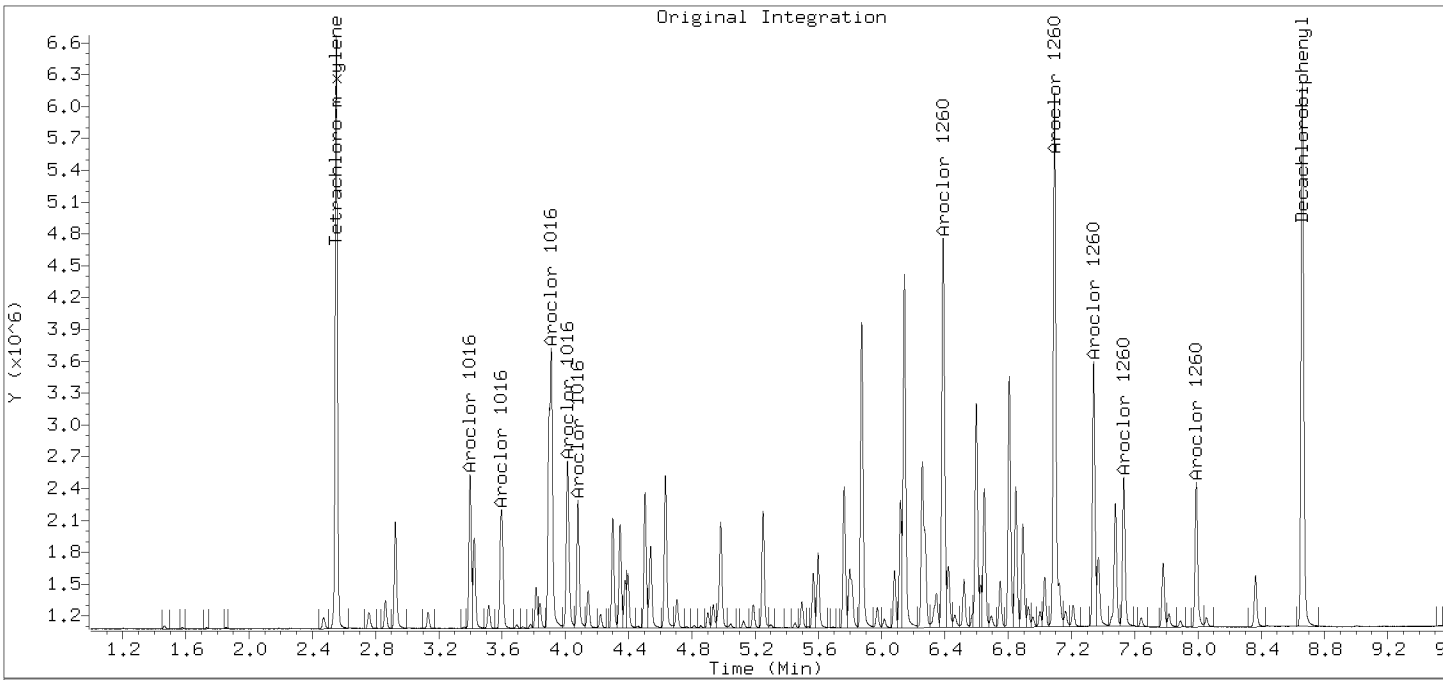
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

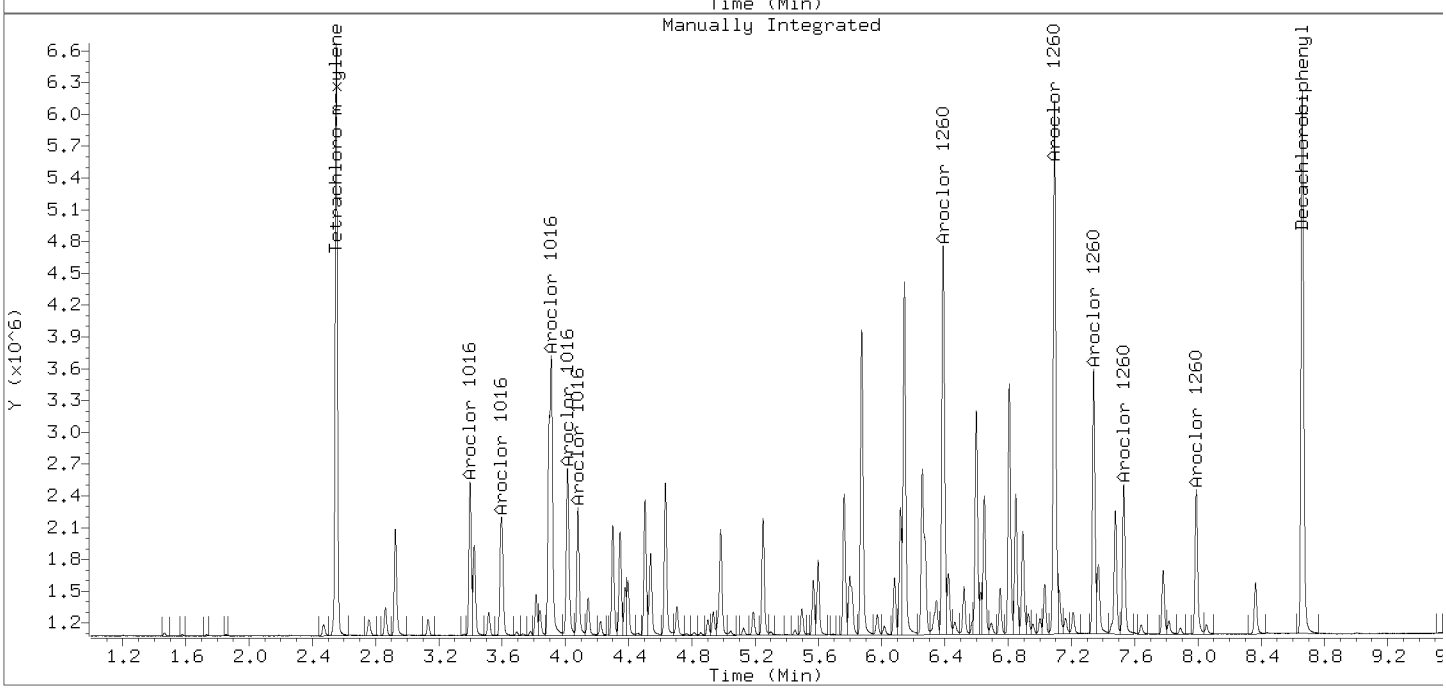
Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b\030618075.D
Date : 06-MAR-2018 21:00
Client ID: 1660-ICV
Sample Info: 1660-ICV, 185565:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030618.b/030618075.D (ManInt: AR1660.sub Orig: AR1660.sub)
Injection Date: 06-MAR-2018 21:00 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1660-ICV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1539639	1545983	BA
Aroclor 1016	1539639	1545983	BA
Aroclor 1016	1539639	1545983	BA
Aroclor 1016	1539639	1545983	BA
Aroclor 1016	1539639	1545983	BA
Aroclor 1260	4583986	4589551	CO
Aroclor 1260	4583986	4589551	CO
Aroclor 1260	4583986	4589551	CO
Aroclor 1260	4583986	4589551	CO
Aroclor 1260	4583986	4589551	CO
Tetrachloro-m-xylene	5610632	5610632	
Decachlorobiphenyl	6115699	6115699	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718007.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 07-MAR-2018 13:58
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17499,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 7 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
1.201	14179	16044	1.132	0.08			
1.465	43356	37659	0.869	0.24			
1.578	19071	15457	0.810	0.10			
1.733	14851	14919	1.005	0.08			
1.854	472150	477580	1.012	2.68		1 Aroclor 1221	BA
2.060	19015	12118	0.637	0.10			
2.260	152563	137882	0.904	0.86			
2.473	253043	191104	0.755	1.43		1 Aroclor 1221	BA
2.551	5718362	5737508	1.003	32.47	$	2 Tetrachloro-m-xylene	BA
2.760	671500	547279	0.815	3.81		1 Aroclor 1221	BA
2.863	524256	507645	0.968	2.97		1 Aroclor 1221	BA
2.925	1633977	1430747	0.876	9.27		1 Aroclor 1221	BA
3.130	33473	29399	0.878	0.19			
3.361	108190	82054	0.758	0.61			
3.405	381441	195655	0.513	2.16			
3.517	28471	27985	0.983	0.16			
3.595	141929	102715	0.724	0.80			
3.692	30656	33320	1.087	0.17			
3.773	11313	7954	0.703	0.06			
3.816	38223	38222	1.000	0.21			
3.839	52559	36803	0.700	0.29			
3.911	334708	190606	0.569	1.90			
4.013	158466	128375	0.810	0.89			
4.081	92188	83107	0.901	0.52			
4.137	45197	36958	0.818	0.25			
4.300	30861	31272	1.013	0.17			
4.347	27195	26660	0.980	0.15			
4.379	18356	15020	0.818	0.10			
4.503	44506	41711	0.937	0.25			
4.537	52809	33213	0.629	0.29			
4.632	59220	46369	0.783	0.33			
4.706	15393	13926	0.905	0.08			
4.903	20262	19283	0.952	0.11			
4.935	35202	31431	0.893	0.19			
4.966	51395	31859	0.620	0.29			
5.129	36834	30128	0.818	0.20			
5.187	10251	8108	0.791	0.05			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.599	16947	13440	0.793	0.09	
7.816	26170	16935	0.647	0.14	
8.363	44802	40137	0.896	0.25	
8.659	6106094	5157020	0.845	34.91	$ 12 Decachlorobiphenyl
8.998	18805	12607	0.670	0.10	
	17608242	15688214		100.000	

Total unknown % area = 12

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718007.D
Lab Smp Id: 1221-CCV Client Smp ID: 1221-CCV
Inj Date : 07-MAR-2018 13:58
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1221-ccv, 185538:1
Misc Info : 17499,AR1221
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 7 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			
2.551	2.550	0.001	5718362	0.05000	0.048		(M)	BA
1 Aroclor 1221					CAS #: 11104-28-2			
1.854	1.853	0.001	472149	0.50000	0.47	0.00- 20.00	100.00(M)	BA
2.472	2.472	0.000	253043	0.50000	0.47	0.00- 20.00	53.59	BA
2.760	2.760	0.000	671500	0.50000	0.48	0.00- 20.00	142.22	BA
2.862	2.862	0.000	524255	0.50000	0.47	0.00- 20.00	111.04	BA
2.925	2.926	-0.001	1633976	0.50000	0.49	0.00- 20.00	346.07	BA
Average of Peak Amounts =					0.47600			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6106094	0.05000	0.047			

QC Flag Legend

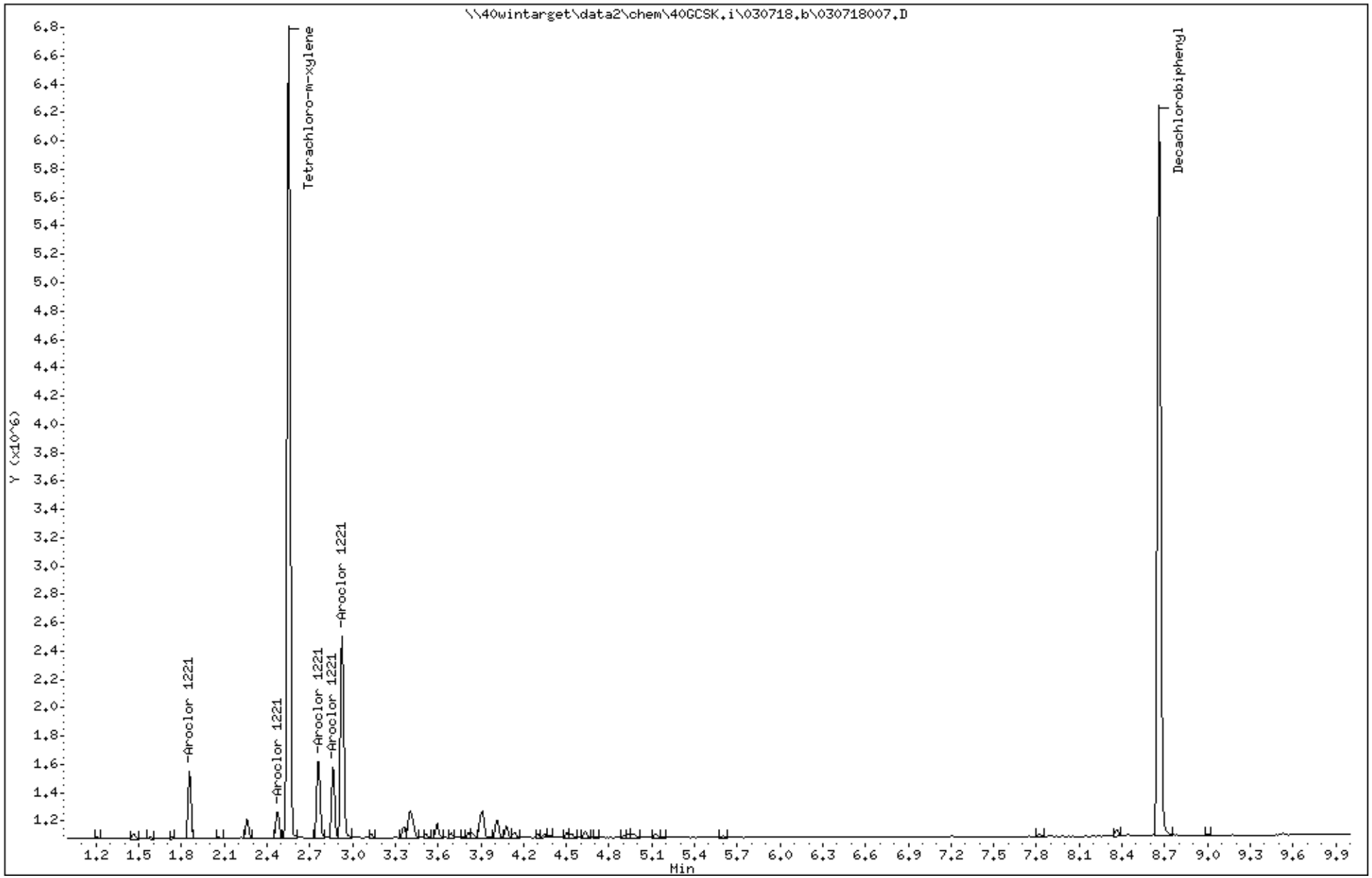
M - Compound response manually integrated.

Review Codes Legend

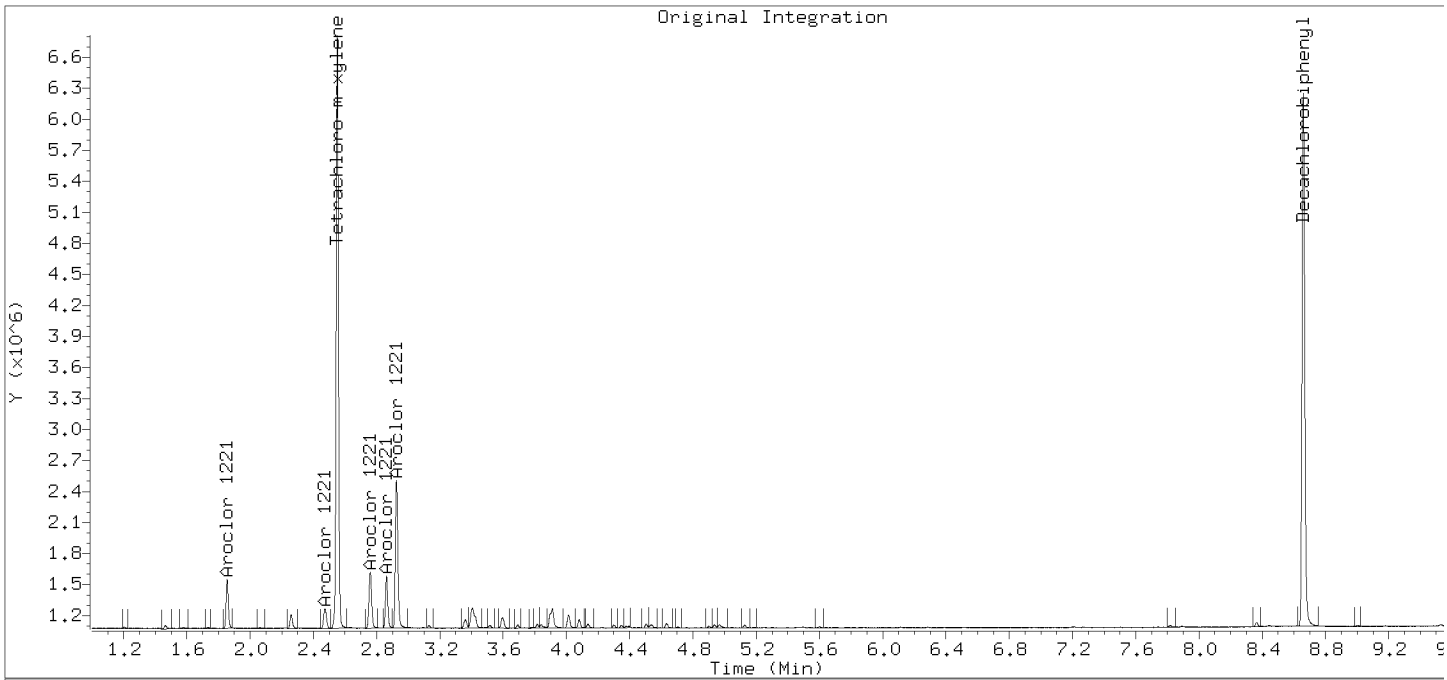
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

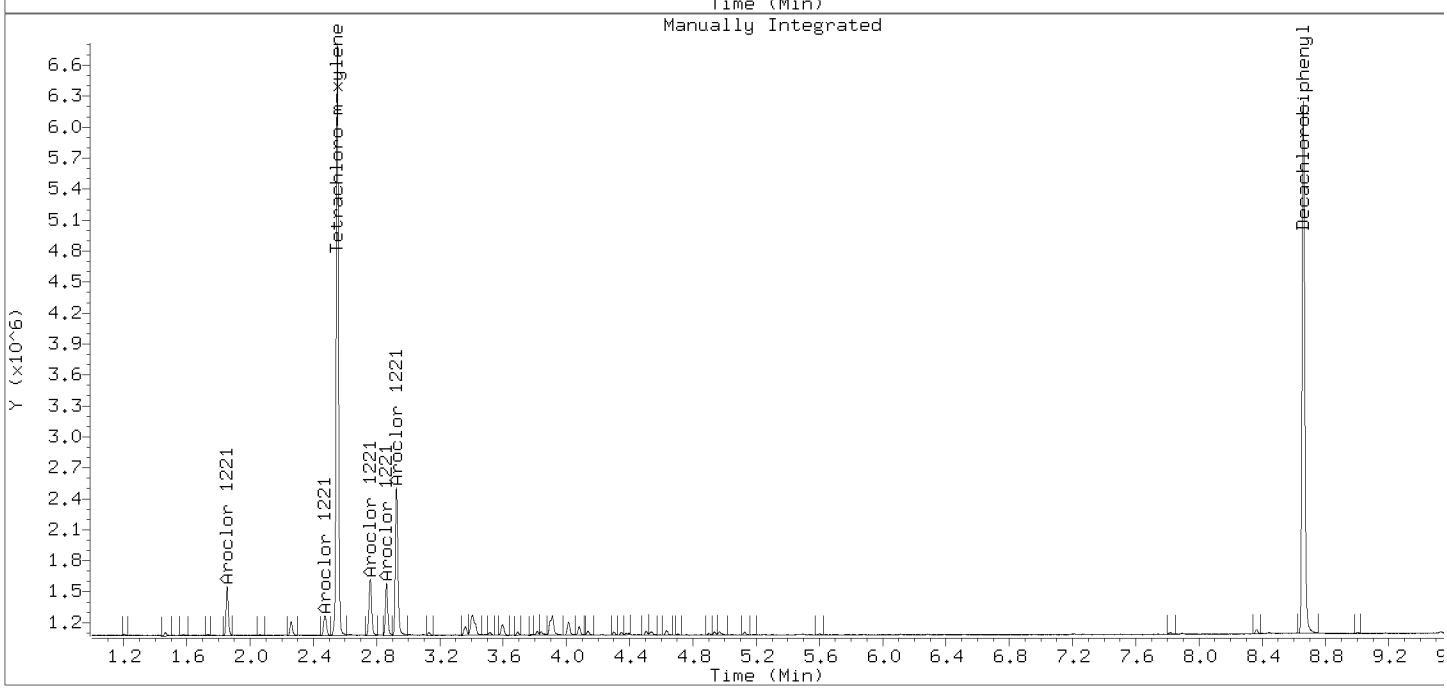
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718007.D
Date : 07-MAR-2018 13:58
Client ID: 1221-CCV
Sample Info: 1221-CCV, 185538:1

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718007.D (ManInt: AR1221.sub Orig: AR1221.sub)
Injection Date: 07-MAR-2018 13:58 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1221-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1221	464002	472149	BA
Aroclor 1221	464002	472149	BA
Aroclor 1221	464002	472149	BA
Aroclor 1221	464002	472149	BA
Aroclor 1221	464002	472149	BA
Tetrachloro-m-xylene	5691917	5718362	BA
Decachlorobiphenyl	6106094	6106094	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718031.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 07-MAR-2018 17:11
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17499,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 31 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
1.205	26185	25548	0.976	0.09		
1.243	10008	10222	1.021	0.03		
1.464	31336	34392	1.098	0.10		
1.576	20308	17152	0.845	0.07		
1.733	32833	28323	0.863	0.11		
1.854	288375	290021	1.006	0.99		
2.062	18956	15670	0.827	0.06		
2.259	89764	83243	0.927	0.31		
2.472	194051	151527	0.781	0.67		
2.551	5869925	6026831	1.027	20.28	$ 2 Tetrachloro-m-xylene	
2.759	452325	370541	0.819	1.56		
2.863	414144	403848	0.975	1.43		
2.925	1366525	1233246	0.902	4.72	4 Aroclor 1232	BA
3.089	13479	11850	0.879	0.04		
3.131	83791	76149	0.909	0.28		
3.360	73974	55418	0.749	0.25		
3.397	764113	696996	0.912	2.64		
3.424	449986	405375	0.901	1.55		
3.515	124327	107837	0.867	0.42		
3.595	714207	527949	0.739	2.46	4 Aroclor 1232	BA
3.691	39355	37859	0.962	0.13		
3.779	24437	23463	0.960	0.08		
3.814	185431	182388	0.984	0.64		
3.839	154396	124977	0.809	0.53		
3.911	2104013	1209323	0.575	7.27	4 Aroclor 1232	BA
4.014	896552	736313	0.821	3.09	4 Aroclor 1232	BA
4.079	592263	561277	0.948	2.04	4 Aroclor 1232	BA
4.144	183427	143552	0.783	0.63		
4.222	67982	55121	0.811	0.23		
4.299	421184	398627	0.946	1.45		
4.347	410555	388096	0.945	1.41		
4.378	176799	182421	1.032	0.61		
4.396	213941	197530	0.923	0.73		
4.503	561734	544451	0.969	1.94		
4.537	496325	337042	0.679	1.71		
4.632	736436	686380	0.932	2.54		
4.705	171056	161860	0.946	0.59		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.768	11377	10474	0.921	0.03	
4.812	37601	32140	0.855	0.12	
4.856	38446	37230	0.968	0.13	
4.900	341529	330863	0.969	1.18	
4.934	608284	592190	0.974	2.10	
4.965	792520	605619	0.764	2.73	
5.047	83478	66014	0.791	0.28	
5.125	664276	609712	0.918	2.29	
5.187	121036	91767	0.758	0.41	
5.249	138145	122528	0.887	0.47	
5.299	106773	91800	0.860	0.36	
5.398	21315	20907	0.981	0.07	
5.450	86663	75266	0.868	0.29	
5.496	149213	125569	0.842	0.51	
5.534	92065	79211	0.860	0.31	
5.598	248246	184688	0.744	0.85	
5.693	72633	64009	0.881	0.25	
5.766	21424	15490	0.723	0.07	
5.806	16184	13993	0.865	0.05	
5.828	20418	17066	0.836	0.07	
5.880	169856	136768	0.805	0.58	
5.975	22465	15341	0.683	0.07	
6.113	137792	118488	0.860	0.47	
6.143	35827	32631	0.911	0.12	
6.389	45014	40042	0.890	0.15	
6.807	14679	14822	1.010	0.05	
7.091	26780	24859	0.928	0.09	
7.196	17080	11680	0.684	0.05	
7.341	14759	13060	0.885	0.05	
7.817	13361	14616	1.094	0.04	
8.364	54457	44800	0.823	0.18	
8.439	11054	11056	1.000	0.03	
8.659	6224337	5407017	0.869	21.87	$ 12 Decachlorobiphenyl
	28933582	25614534		100.000	

Total unknown % area = 38

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718031.D
Lab Smp Id: 1232-CCV Client Smp ID: 1232-CCV
Inj Date : 07-MAR-2018 17:11
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1232-ccv, 185539:1
Misc Info : 17499,AR1232
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 31 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			
2.550	2.550	0.000	5869925	0.05000	0.050			
4 Aroclor 1232					CAS #: 1114-16-5			
2.924	2.924	0.000	1366524	0.50000	0.50	0.00- 20.00	100.00(M)	BA
3.594	3.596	-0.002	714206	0.50000	0.50	0.00- 20.00	52.26	BA
3.910	3.910	0.000	2104013	0.50000	0.49	0.00- 20.00	153.97	BA
4.013	4.013	0.000	896552	0.50000	0.50	0.00- 20.00	65.61	BA
4.078	4.080	-0.002	592263	0.50000	0.49	0.00- 20.00	43.34	BA
Average of Peak Amounts =					0.49600			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6224337	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\40GCSK.i\030718.b\030718031.D

Date : 07-MAR-2018 17:11

Client ID: 1232-CCV

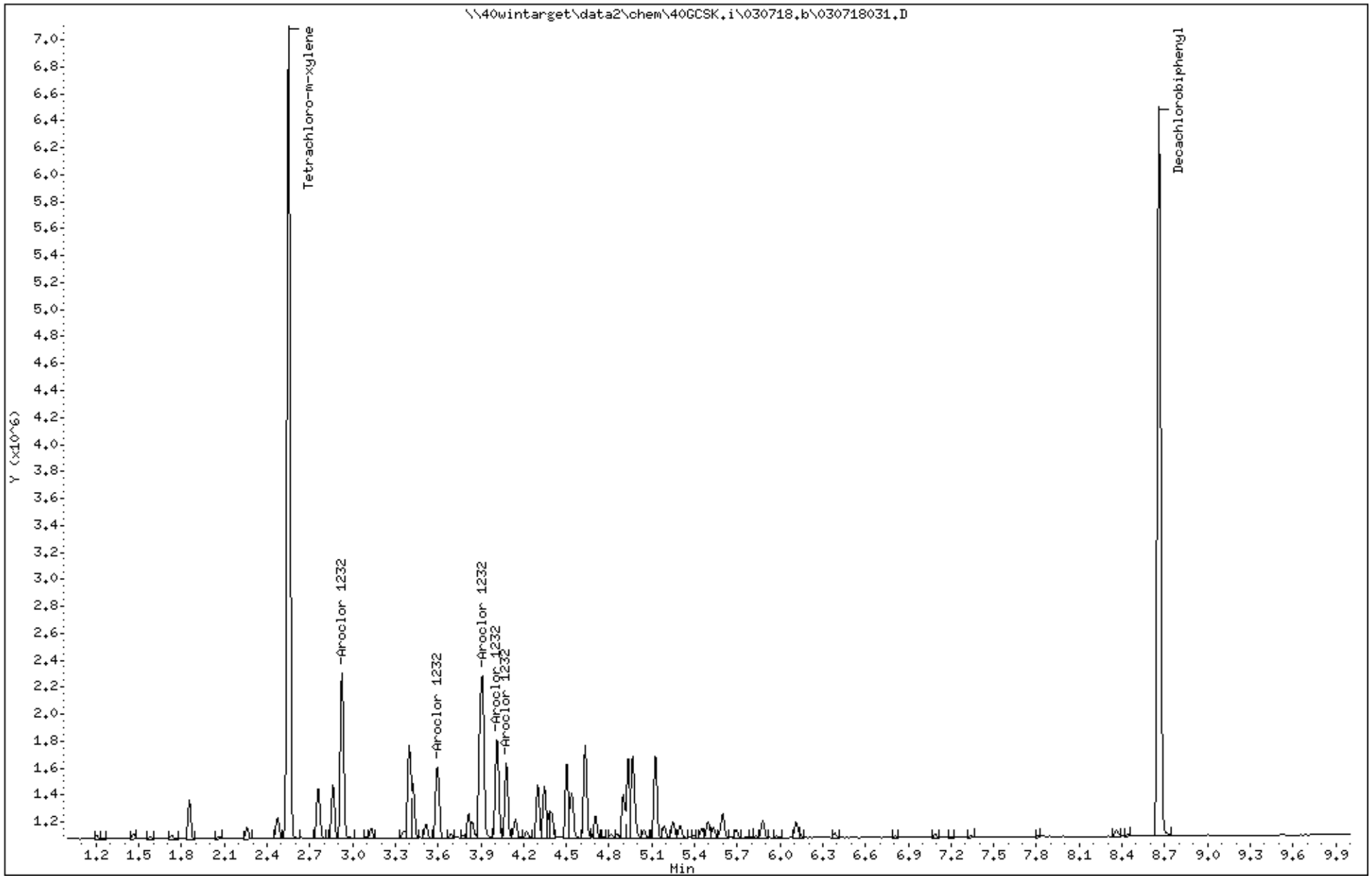
Instrument: 40GCSK.i

Sample Info: 1232-CCV, 185539:1

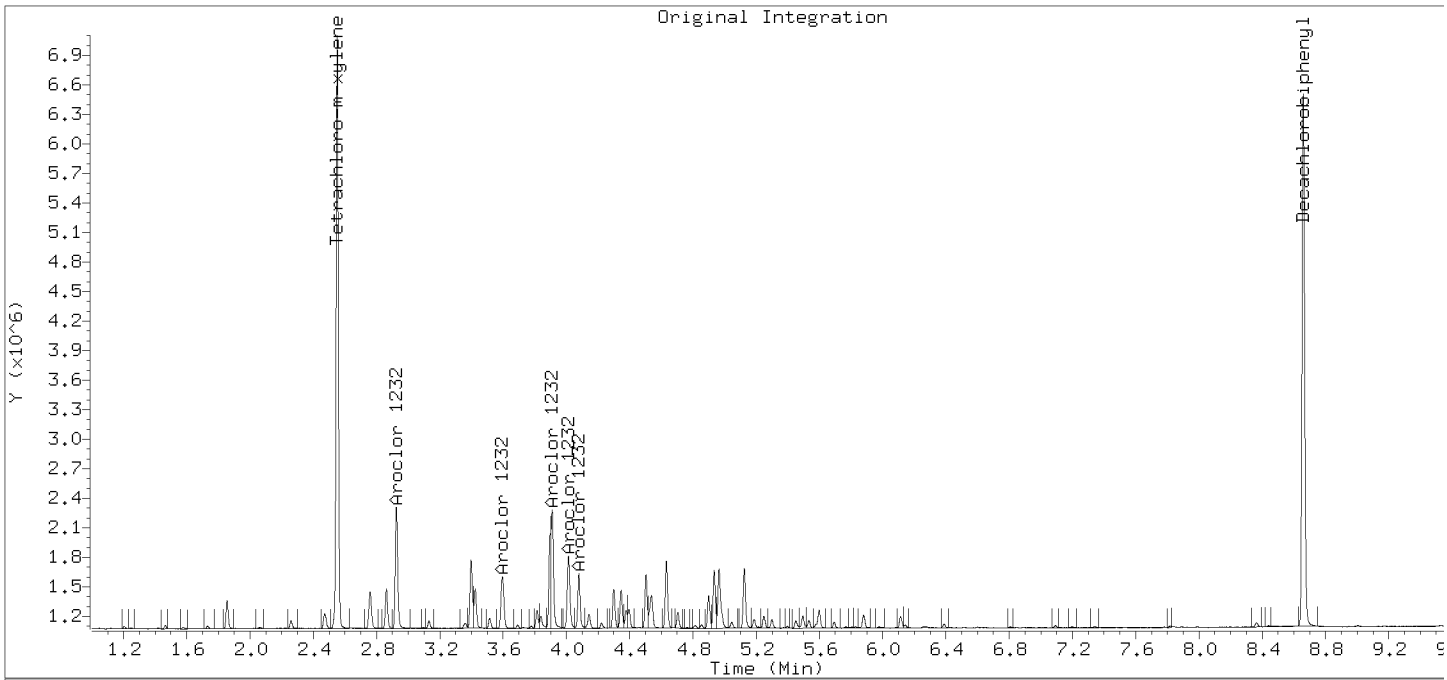
Operator: BLM

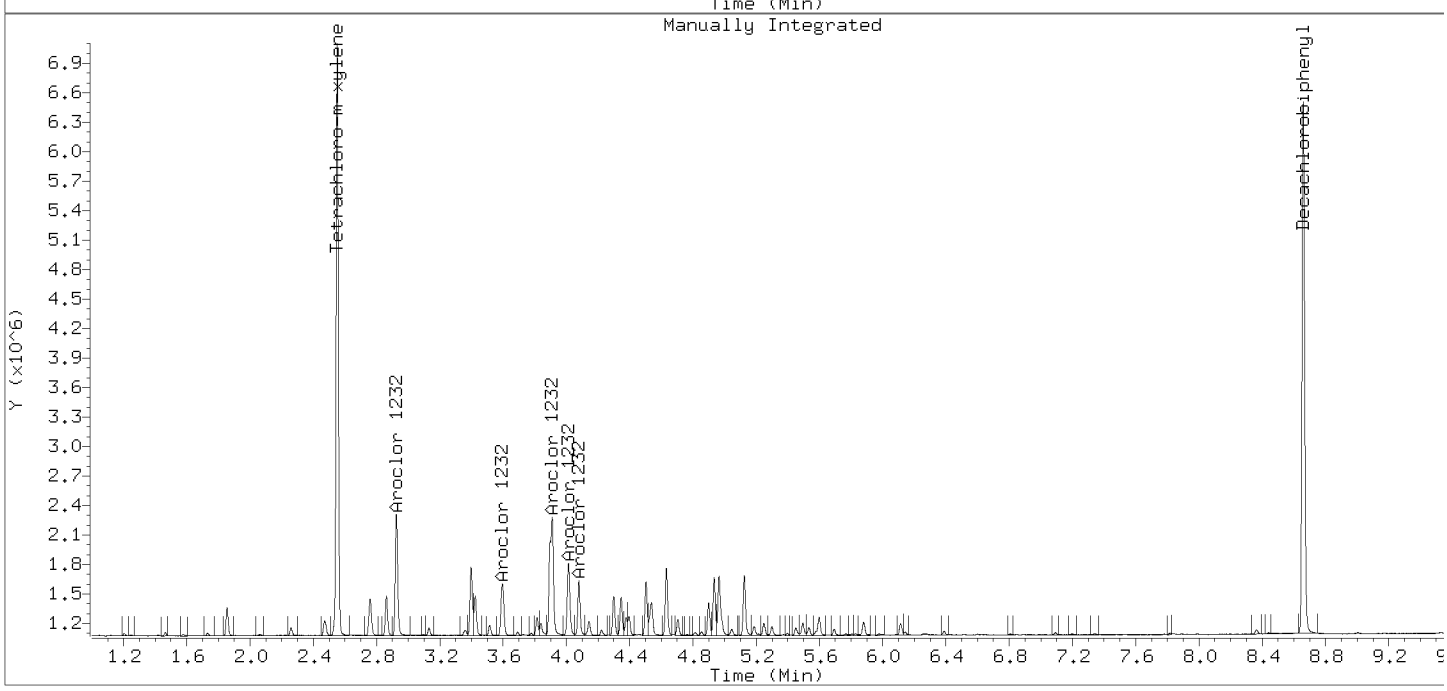
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718031.D (ManInt: AR1232.sub Orig: AR1232.sub)
Injection Date: 07-MAR-2018 17:11 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1232-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1232	1353134	1366524	BA
Aroclor 1232	1353134	1366524	BA
Aroclor 1232	1353134	1366524	BA
Aroclor 1232	1353134	1366524	BA
Aroclor 1232	1353134	1366524	BA
Tetrachloro-m-xylene	5869925	5869925	
Decachlorobiphenyl	6224337	6224337	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718055.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 07-MAR-2018 20:25
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17499,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 55 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
1.203	39869	36334	0.911	0.09		
1.243	14429	10693	0.741	0.03		
1.462	36182	35531	0.982	0.08		
1.579	15675	15242	0.972	0.03		
1.731	31592	31303	0.991	0.07		
1.853	17950	15270	0.851	0.04		
2.062	27239	21247	0.780	0.06		
2.470	114182	93063	0.815	0.27		
2.550	5867383	5982342	1.020	14.16	$ 2 Tetrachloro-m-xylene	
2.756	175191	142496	0.813	0.42		
2.860	270776	255122	0.942	0.65		
2.924	961133	900555	0.937	2.32		
3.091	19584	15225	0.777	0.04		
3.130	140209	128555	0.917	0.33		
3.357	24175	19760	0.817	0.05		
3.396	1305258	1227519	0.940	3.15	3 Aroclor 1242	BA
3.423	757030	722418	0.954	1.82		
3.514	208886	185513	0.888	0.50		
3.595	1285095	962920	0.749	3.10	3 Aroclor 1242	BA
3.692	38194	36066	0.944	0.09		
3.778	38290	35431	0.925	0.09		
3.814	330892	321652	0.972	0.79		
3.838	234671	208872	0.890	0.56		
3.909	3845488	2222565	0.578	9.28	3 Aroclor 1242	BA
4.013	1635172	1363465	0.834	3.94	3 Aroclor 1242	BA
4.078	1088486	1016189	0.934	2.62	3 Aroclor 1242	BA
4.143	328665	286464	0.872	0.79		
4.221	129642	110866	0.855	0.31		
4.299	890168	857219	0.963	2.14		
4.345	863117	823105	0.954	2.08		
4.377	364515	380371	1.043	0.88		
4.395	442174	420474	0.951	1.06		
4.456	27602	21699	0.786	0.06		
4.503	1165478	1113313	0.955	2.81		
4.537	971363	685680	0.706	2.34		
4.631	1531541	1431530	0.935	3.69		
4.705	343444	317315	0.924	0.82		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.762	25656	20337	0.793	0.06	
4.812	78358	65898	0.841	0.18	
4.856	84396	78700	0.933	0.20	
4.899	744023	739502	0.994	1.79	
4.934	1290512	1239452	0.960	3.11	
4.965	1662768	1233424	0.742	4.01	
5.046	184097	138429	0.752	0.44	
5.124	1378723	1294285	0.939	3.32	
5.187	286241	219029	0.765	0.69	
5.248	329121	296222	0.900	0.79	
5.300	261876	231988	0.886	0.63	
5.370	20667	19727	0.955	0.04	
5.398	61112	47145	0.771	0.14	
5.450	221978	183679	0.827	0.53	
5.495	361333	303039	0.839	0.87	
5.534	233111	207047	0.888	0.56	
5.598	598560	487884	0.815	1.44	
5.693	179304	155845	0.869	0.43	
5.803	36037	30185	0.838	0.08	
5.824	51169	43850	0.857	0.12	
5.851	14236	20580	1.446	0.03	
5.878	428545	365182	0.852	1.03	
5.975	51681	43284	0.838	0.12	
6.082	15125	14236	0.941	0.03	
6.112	374410	330225	0.882	0.90	
6.142	70521	56423	0.800	0.17	
6.256	24791	22372	0.902	0.05	
6.315	37641	18737	0.498	0.09	
6.387	118967	102986	0.866	0.28	
6.424	27817	24151	0.868	0.06	
6.459	20370	16182	0.794	0.04	
6.510	18586	10262	0.552	0.04	
6.626	47466	40056	0.844	0.11	
6.691	11161	8455	0.758	0.02	
6.889	29768	27362	0.919	0.07	
6.932	11887	10641	0.895	0.02	
7.092	12223	10341	0.846	0.02	
7.336	10268	10413	1.014	0.02	
7.817	12125	11537	0.952	0.02	
8.366	56872	46820	0.823	0.13	
8.441	19796	14836	0.749	0.04	
8.659	6311264	5438624	0.862	15.67	$ 12 Decachlorobiphenyl
9.003	13728	11613	0.846	0.03	
9.524	9706	9770	1.007	0.02	
	41418743	36154139		100.000	

Total unknown % area = 48

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718055.D
Lab Smp Id: 1242-CCV Client Smp ID: 1242-CCV
Inj Date : 07-MAR-2018 20:25
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1242-ccv, 185544:1
Misc Info : 17499,AR1242
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 55 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			
2.549	2.550	-0.001	5867382	0.05000	0.050			
3 Aroclor 1242					CAS #: 53469-21-9			
3.396	3.398	-0.002	1305258	0.50000	0.51	0.00- 20.00	100.00(M)	BA
3.594	3.596	-0.002	1285095	0.50000	0.50	0.00- 20.00	98.46	BA
3.908	3.910	-0.002	3845487	0.50000	0.50	0.00- 20.00	294.62	BA
4.012	4.013	-0.001	1635172	0.50000	0.51	0.00- 20.00	125.28	BA
4.077	4.080	-0.003	1088486	0.50000	0.50	0.00- 20.00	83.39	BA
Average of Peak Amounts =					0.50400			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.658	8.660	-0.002	6311263	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.

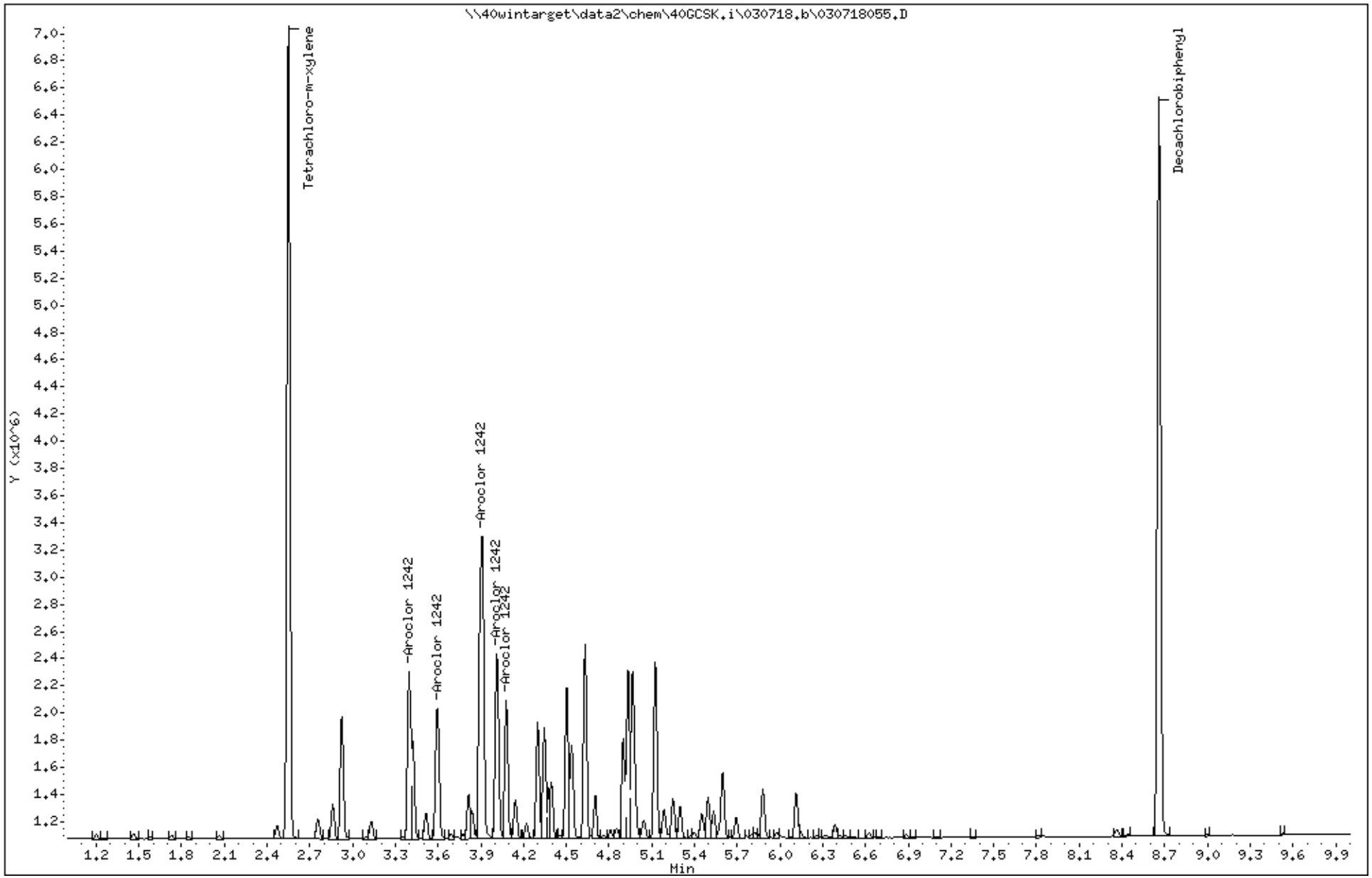
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718055.D
Date : 07-MAR-2018 20:25
Client ID: 1242-CCV
Sample Info: 1242-CCV, 185544:1

Instrument: 40GCSK.i

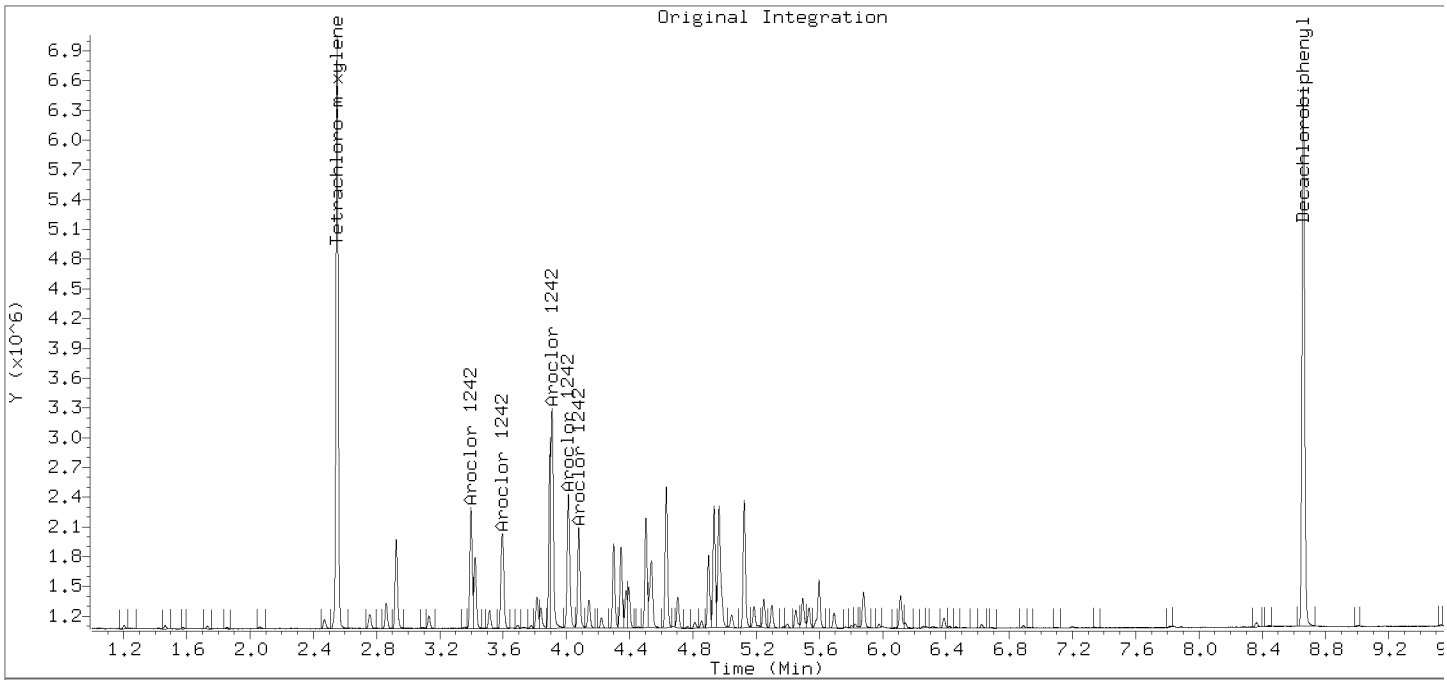
Operator: BLM

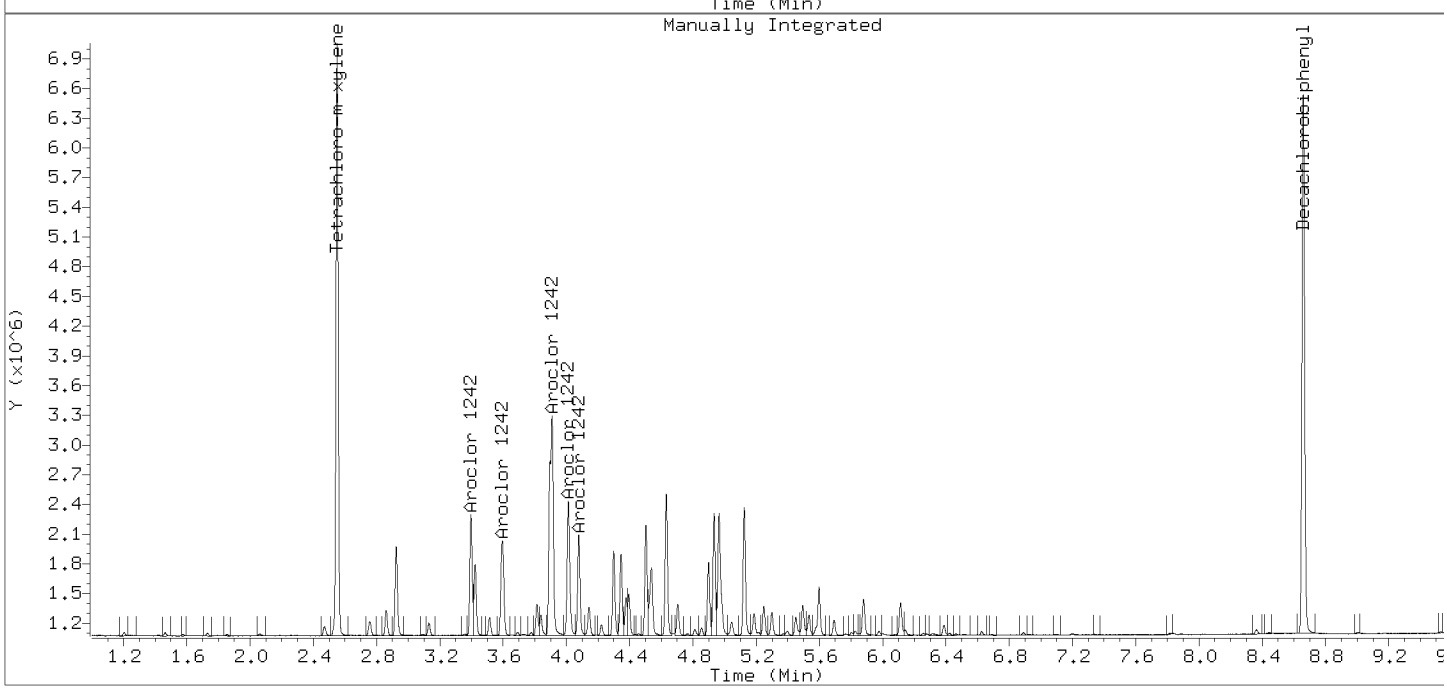
Column phase: ZB-1ms

Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718055.D (ManInt: AR1242.sub Orig: AR1242.sub)
Injection Date: 07-MAR-2018 20:25 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1242-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1242	1294304	1305258	BA
Aroclor 1242	1294304	1305258	BA
Aroclor 1242	1294304	1305258	BA
Aroclor 1242	1294304	1305258	BA
Aroclor 1242	1294304	1305258	BA
Tetrachloro-m-xylene	5867382	5867382	
Decachlorobiphenyl	6311263	6311263	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718067.D
Lab Smp Id: 1248-CCV Client Smp ID: 1248-CCV
Inj Date : 07-MAR-2018 22:02
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-ccv, 185549:1
Misc Info : 17499,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 67 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
1.205	26160	24691	0.944	0.05		
1.466	37533	33541	0.894	0.07		
1.579	12321	13663	1.109	0.02		
1.733	22587	22287	0.987	0.04		
2.064	17854	13768	0.771	0.03		
2.468	23230	16836	0.725	0.04		
2.551	5895460	5896897	1.000	12.55	$ 2 Tetrachloro-m-xylene	
2.640	12518	7322	0.585	0.02		
2.758	34064	26729	0.785	0.07		
2.859	113837	108342	0.952	0.24		
2.924	187969	173426	0.923	0.40		
3.098	11225	10360	0.923	0.02		
3.132	56655	53371	0.942	0.12		
3.396	720858	704295	0.977	1.53		
3.423	305753	282742	0.925	0.65		
3.515	69273	61131	0.882	0.14		
3.596	597824	446671	0.747	1.27		
3.691	35544	35207	0.991	0.07		
3.814	132956	128981	0.970	0.28		
3.839	75339	58548	0.777	0.16		
3.896	1111331	1268102	1.141	2.36		
3.910	1395942	1331764	0.954	2.97		
4.015	937527	725063	0.773	1.99		
4.079	625770	581296	0.929	1.33		
4.143	353765	322809	0.912	0.75		
4.222	140749	133327	0.947	0.29		
4.299	1545269	1466918	0.949	3.29		
4.346	1241980	1169224	0.941	2.64	6 Aroclor 1248	BA
4.378	524604	534076	1.018	1.11		
4.395	539884	521349	0.966	1.14		
4.503	1886988	1757555	0.931	4.01		
4.538	949741	833795	0.878	2.02		
4.632	2165231	1982789	0.916	4.61	6 Aroclor 1248	BA
4.678	35930	34504	0.960	0.07		
4.704	491329	468420	0.953	1.04		
4.766	24648	20113	0.816	0.05		
4.811	61285	50644	0.826	0.13		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.854	110470	109754	0.994	0.23	
4.899	1111978	1098174	0.988	2.36	6 Aroclor 1248
4.934	2159332	2074190	0.961	4.59	
4.965	2779236	1831652	0.659	5.91	6 Aroclor 1248
5.044	308022	258234	0.838	0.65	
5.124	1986512	1864045	0.938	4.23	6 Aroclor 1248
5.186	614269	572218	0.932	1.30	
5.214	71089	68532	0.964	0.15	
5.249	823756	755621	0.917	1.75	
5.298	599959	554754	0.925	1.27	
5.370	40308	37121	0.921	0.08	
5.396	122163	107998	0.884	0.26	
5.450	532264	463381	0.871	1.13	
5.494	869961	790297	0.908	1.85	
5.533	543594	486821	0.896	1.15	
5.597	1465546	1254767	0.856	3.12	
5.692	409590	382542	0.934	0.87	
5.764	51574	40655	0.788	0.10	
5.800	76586	68061	0.889	0.16	
5.828	141616	95992	0.678	0.30	
5.878	1032657	907668	0.879	2.19	
5.977	103489	87854	0.849	0.22	
6.080	28961	28963	1.000	0.06	
6.112	905839	816760	0.902	1.92	
6.142	156658	139183	0.888	0.33	
6.256	89474	59158	0.661	0.19	
6.314	54039	31879	0.590	0.11	
6.387	262755	227878	0.867	0.55	
6.422	45941	40950	0.891	0.09	
6.462	40569	31487	0.776	0.08	
6.597	43924	39946	0.909	0.09	
6.626	99651	76162	0.764	0.21	
6.687	13962	12777	0.915	0.02	
6.747	14151	11071	0.782	0.03	
6.807	42521	37038	0.871	0.09	
6.844	22543	18124	0.804	0.04	
6.890	47746	42727	0.895	0.10	
6.929	17956	17120	0.953	0.03	
7.090	80004	76213	0.953	0.17	
7.341	28388	28235	0.995	0.06	
7.477	34420	32264	0.937	0.07	
7.530	41130	34068	0.828	0.08	
7.776	13408	11538	0.861	0.02	
7.817	12535	15177	1.211	0.02	
7.988	33890	28094	0.829	0.07	
8.362	63836	55850	0.875	0.13	
8.660	6338937	5601292	0.884	13.92	$ 12 Decachlorobiphenyl
9.003	22643	16335	0.721	0.04	
9.531	20907	16503	0.789	0.04	
	46951695	42777679		100.000	

Total unknown % area = 54

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718067.D
Lab Smp Id: 1248-CCV Client Smp ID: 1248-CCV
Inj Date : 07-MAR-2018 22:02
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1248-ccv, 185549:1
Misc Info : 17499,AR1248
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 67 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			
2.550	2.550	0.000	5895459	0.05000	0.050			
6 Aroclor 1248					CAS #: 12672-29-6			
4.345	4.347	-0.002	1241979	0.50000	0.50	0.00- 20.00	100.00(M)	BA
4.632	4.632	0.000	2165230	0.50000	0.48	0.00- 20.00	174.34	BA
4.898	4.900	-0.002	1111977	0.50000	0.52	0.00- 20.00	89.53	BA
4.964	4.967	-0.003	2779236	0.50000	0.49	0.00- 20.00	223.77	BA
5.124	5.127	-0.003	1986512	0.50000	0.50	0.00- 20.00	159.95	BA
Average of Peak Amounts =					0.49800			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.659	8.660	-0.001	6338937	0.05000	0.049			

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

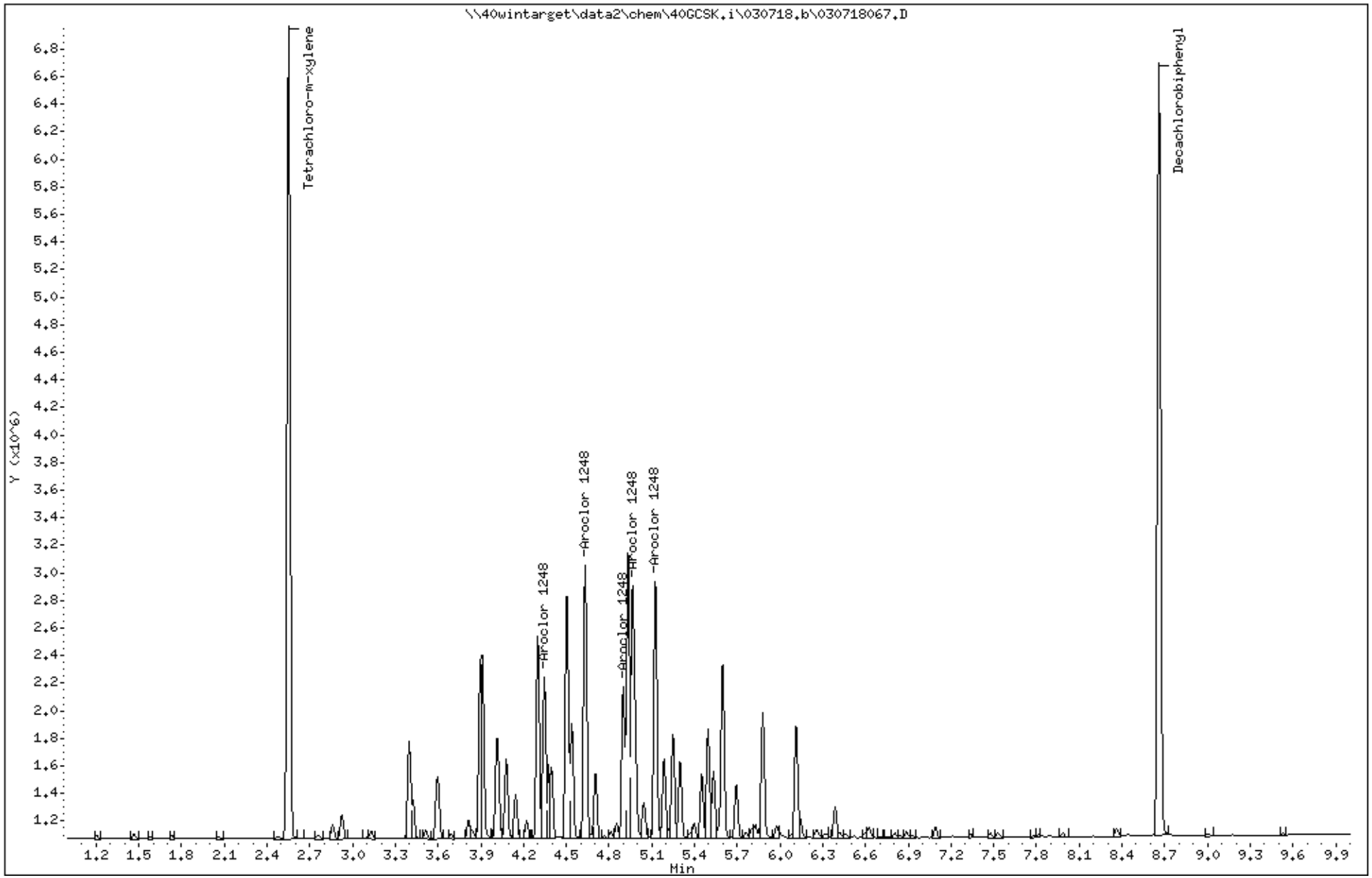
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718067.D
Date : 07-MAR-2018 22:02
Client ID: 1248-CCV
Sample Info: 1248-CCV, 185549:1

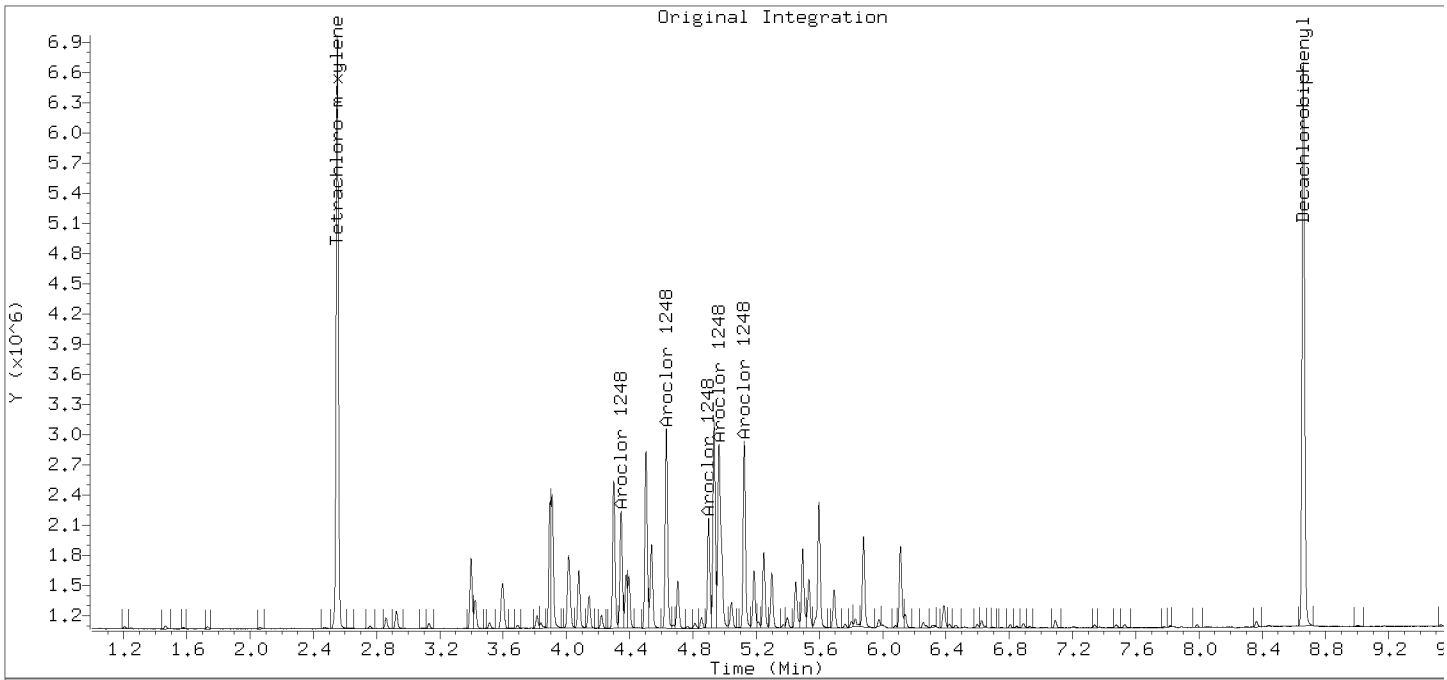
Instrument: 40GCSK.i

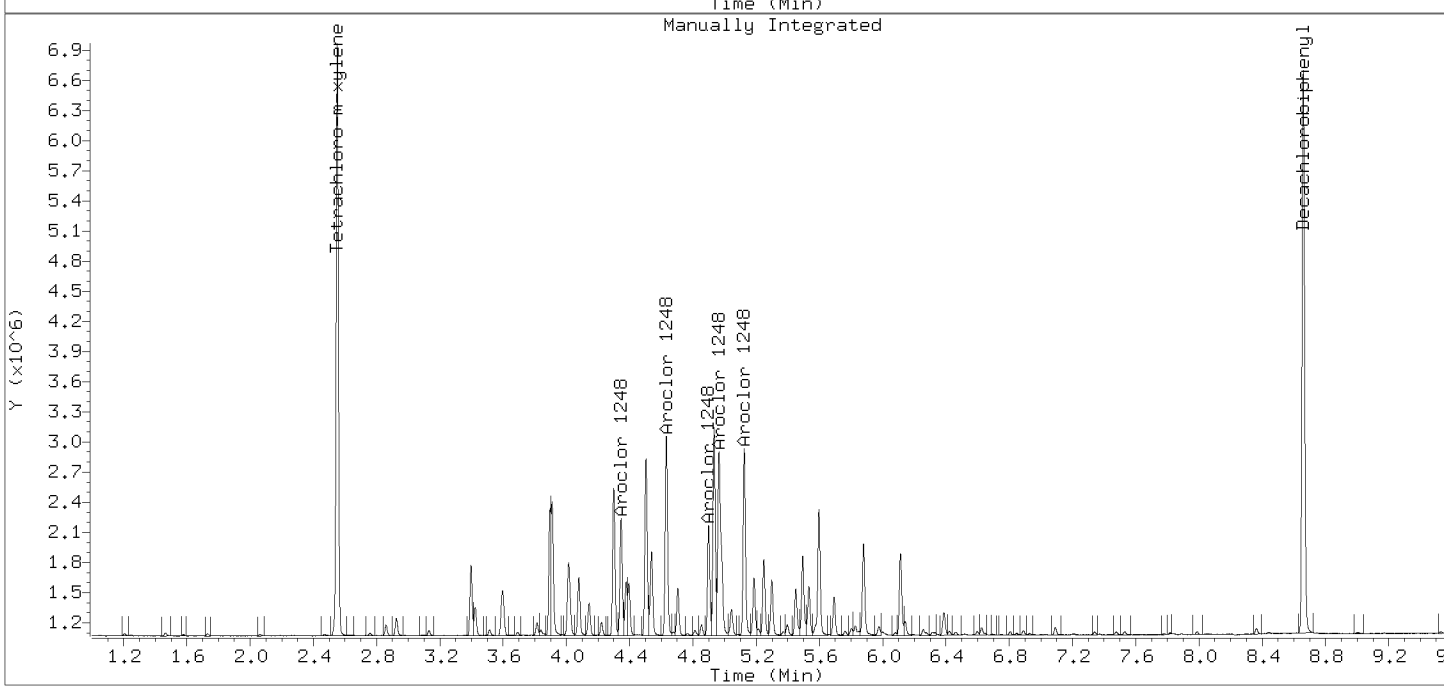
Operator: BLM

Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718067.D (ManInt: AR1248.sub Orig: AR1248.sub)
Injection Date: 07-MAR-2018 22:02 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1248-CCV





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1248	1231337	1241979	BA
Aroclor 1248	1231337	1241979	BA
Aroclor 1248	1231337	1241979	BA
Aroclor 1248	1231337	1241979	BA
Aroclor 1248	1231337	1241979	BA
Tetrachloro-m-xylene	5895459	5895459	
Decachlorobiphenyl	6338937	6338937	

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 M

Date Received:

Matrix: Tissue SDG No.: 40148722

Date Extracted: 03/02/2018 06:50

Lab Sample ID: 1653810

Date Analyzed: 03/07/2018 14:30

Lab File ID: 030718.B\030718011.D

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

Instrument: 40GCSK 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\40GCSK.i\030718.b\030718011.D
Lab Smp Id: 1653810 Client Smp ID: MB
Inj Date : 07-MAR-2018 14:30
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1653810,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 11 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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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
1.207	17169	16457	0.959	0.08		
1.466	11263	11421	1.014	0.05		
1.577	12087	9196	0.761	0.05		
1.734	19991	23492	1.175	0.09		
2.062	14291	10909	0.763	0.06		
2.552	9032864	9129544	1.011	43.51	$ 2 Tetrachloro-m-xylene	
2.862	22437	18434	0.822	0.10		
2.931	34916	23675	0.678	0.16		
2.988	11618	9375	0.807	0.05		
3.093	14358	11320	0.788	0.06		
4.134	11290	11124	0.985	0.05		
4.957	13126	10718	0.817	0.06		
5.247	9768	8814	0.902	0.04	7 Aroclor 1254	
5.301	10500	9454	0.900	0.05		
5.470	17703	15569	0.879	0.08	7 Aroclor 1254	
5.599	11255	8445	0.750	0.05	7 Aroclor 1254	
6.145	11017	9272	0.842	0.05	7 Aroclor 1254	
6.391	18635	14490	0.778	0.08	7 Aroclor 1254	
7.092	11645	8567	0.736	0.05		
7.215	12106	10422	0.861	0.05		
7.816	35366	31049	0.878	0.17		
7.890	29898	17617	0.589	0.14		
8.137	9958	8167	0.820	0.04		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.363	89754	79036	0.881	0.43	
8.661	11241681	9644863	0.858	54.30	$ 12 Decachlorobiphenyl
9.008	23174	13632	0.588	0.11	
9.525	9975	11020	1.105	0.04	
	20757846	19176082		100.000	

Total unknown % area = 1.9

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718011.D
Lab Smp Id: 1653810 Client Smp ID: MB
Inj Date : 07-MAR-2018 14:30
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1653810,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 11 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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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		
2.552	2.550	0.002	9032863	0.07628	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).

---

6 Aroclor 1248 CAS #: 12672-29-6

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

---

7 Aroclor 1254 CAS #: 11097-69-1

Qualifier signal(s) failed ratio test.

---

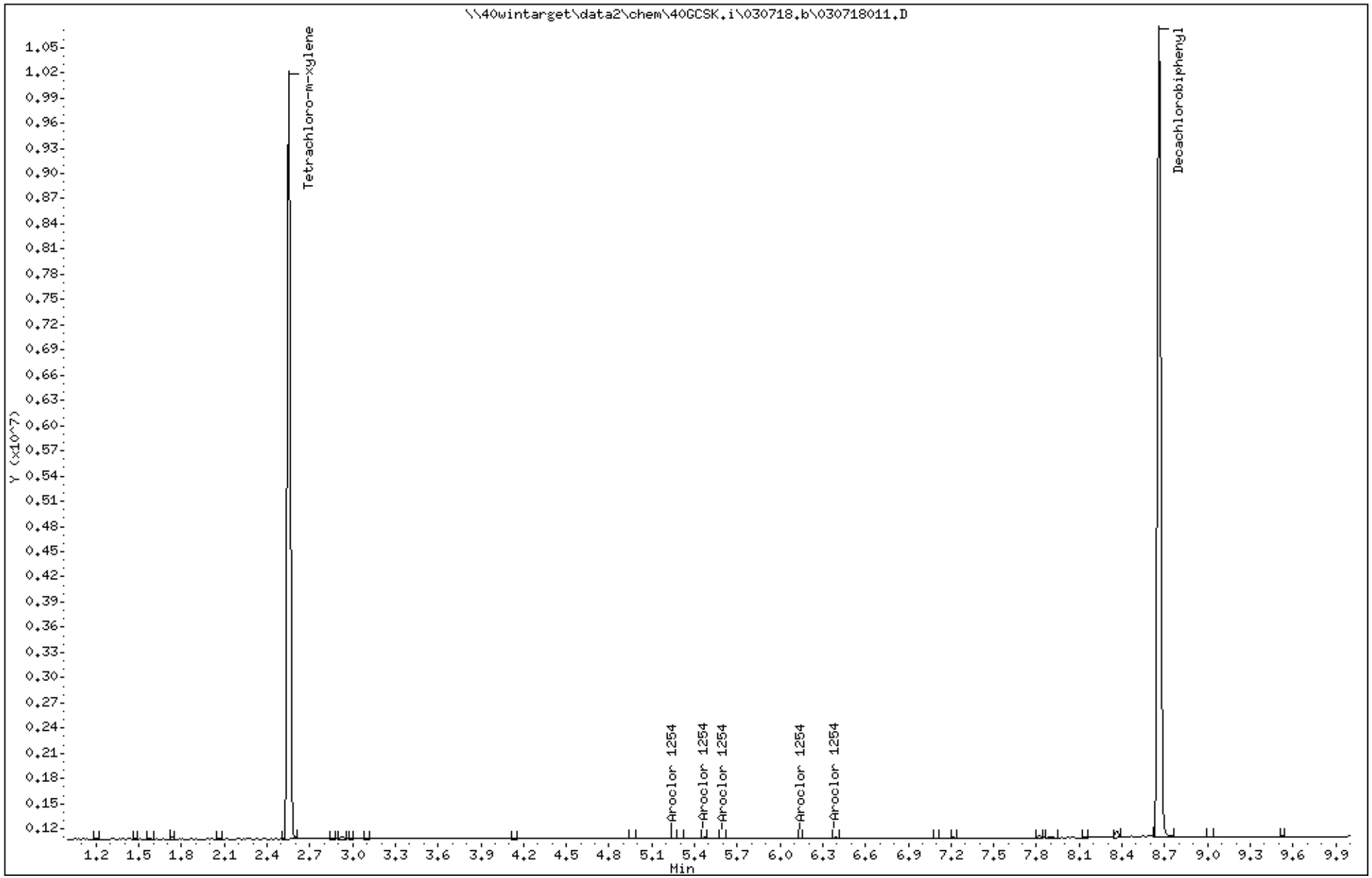
8 Aroclor 1260 CAS #: 11096-82-5

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

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.660	8.660	0.000	11241681	0.08721		44		

Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718011.D
Date : 07-MAR-2018 14:30
Client ID: MB
Instrument: 40GCSK.i
Sample Info: 1653810,
Volume Injected (uL): 1.0
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718011.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 14:30 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1653810

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	9032863	9032863	
Decachlorobiphenyl	11241681	11241681	

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 M

Date Received:

Matrix: Tissue SDG No.: 40148722

Date Extracted: 03/02/2018 06:50

Lab Sample ID: 1653811

Date Analyzed: 03/07/2018 14:46

Lab File ID: 030718.B\030718013.D

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

Instrument: 40GCSK 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)	228	
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\40GCSK.i\030718.b\030718013.D
Lab Smp Id: 1653811 Client Smp ID: MBLCS
Inj Date : 07-MAR-2018 14:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1653811,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 13 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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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
1.205	31134	32323	1.038	0.06		
1.466	11258	10832	0.962	0.02		
1.574	10282	9197	0.894	0.02		
1.732	23869	24439	1.024	0.05		
1.854	13548	13323	0.983	0.02		
2.063	20259	16076	0.794	0.04		
2.471	103677	84855	0.818	0.22		
2.551	9432663	9746596	1.033	20.29	$ 2 Tetrachloro-m-xylene	
2.757	163992	130548	0.796	0.35		
2.863	206248	192279	0.932	0.44		
2.925	920982	855795	0.929	1.98		
3.096	17881	17763	0.993	0.03		
3.133	115185	107101	0.930	0.24		
3.358	22376	17433	0.779	0.04		
3.398	1161365	1103812	0.950	2.49	3 Aroclor 1242	BA
3.424	695951	640341	0.920	1.49		
3.516	186547	168452	0.903	0.40		
3.596	1152970	849048	0.736	2.48	3 Aroclor 1242	BA
3.777	30424	30300	0.996	0.06		
3.815	303385	292154	0.963	0.65		
3.839	216389	186031	0.860	0.46		
3.911	3496413	2002674	0.573	7.52	3 Aroclor 1242	BA
4.014	1489949	1193791	0.801	3.20	3 Aroclor 1242	BA

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.080	988199	904203	0.915	2.12	3 Aroclor 1242
4.145	286125	245275	0.857	0.61	
4.223	108728	93490	0.860	0.23	
4.300	801482	757260	0.945	1.72	
4.347	761642	719002	0.944	1.63	
4.378	318476	330979	1.039	0.68	
4.396	398379	360581	0.905	0.85	
4.458	27285	20823	0.763	0.05	
4.504	1052595	993287	0.944	2.26	
4.539	844948	617867	0.731	1.81	
4.634	1375483	1211654	0.881	2.95	
4.705	311237	277257	0.891	0.66	
4.764	25030	17913	0.716	0.05	
4.814	68299	57546	0.843	0.14	
4.854	75872	67046	0.884	0.16	
4.900	634970	604149	0.951	1.36	
4.935	1143450	1081017	0.945	2.46	
4.966	1488797	1072098	0.720	3.20	
5.047	168523	121653	0.722	0.36	
5.126	1209305	1063179	0.879	2.60	
5.187	249599	191648	0.768	0.53	
5.249	282528	246709	0.873	0.60	
5.300	213276	183740	0.862	0.45	
5.399	56863	41584	0.731	0.12	
5.452	194803	150099	0.771	0.41	
5.496	297085	249765	0.841	0.63	
5.535	186539	163393	0.876	0.40	
5.599	489517	373874	0.764	1.05	
5.694	142601	124749	0.875	0.30	
5.764	28437	18034	0.634	0.06	
5.803	27743	23535	0.848	0.05	
5.828	37628	34562	0.919	0.08	
5.880	316230	262280	0.829	0.68	
5.977	52718	30432	0.577	0.11	
6.114	316521	238032	0.752	0.68	
6.256	23025	18456	0.802	0.04	
6.389	73261	60882	0.831	0.15	
6.420	17291	11894	0.688	0.03	
6.460	12363	11049	0.894	0.02	
6.625	20140	18599	0.923	0.04	
6.808	12479	12789	1.025	0.02	
7.093	19034	18833	0.989	0.04	
7.200	10380	7611	0.733	0.02	
7.340	10670	9200	0.862	0.02	
7.526	10223	8298	0.812	0.02	
7.775	9770	8374	0.857	0.02	
7.816	42489	30016	0.706	0.09	
7.889	24896	18395	0.739	0.05	
8.363	95975	80059	0.834	0.20	
8.660	11244546	9666974	0.860	24.56	$ 12 Decachlorobiphenyl
9.004	14002	11762	0.840	0.03	
9.531	23367	18854	0.807	0.05	
	46471572	40685923		100.000	

Total unknown % area = 37

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSK.i\030718.b\030718013.D
Lab Smp Id: 1653811 Client Smp ID: MBLCS
Inj Date : 07-MAR-2018 14:46
Operator : BLM Inst ID: 40GCSK.i
Smp Info : 1653811,
Misc Info : 17493,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSK.i\030718.b\pcba030618.m
Meth Date : 27-Mar-2018 09:55 40GCSK.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:23 Cal File: 030618063.D
Als bottle: 13 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) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	5000.000	Volume of final extract(uL)(1000 low,200
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			
2.551	2.550	0.001	9432663	0.07965	40			
3 Aroclor 1242					CAS #: 53469-21-9			
3.397	3.398	-0.001	1161365	0.45800	230	0.00- 20.00	100.00(M)	BA
3.596	3.596	0.000	1152969	0.44899	220	0.00- 20.00	99.28	BA
3.910	3.910	0.000	3496413	0.45872	230	0.00- 20.00	301.06	BA
4.013	4.013	0.000	1489948	0.46209	230	0.00- 20.00	128.29	BA
4.080	4.080	0.000	988199	0.45539	230	0.00- 20.00	85.09	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

8.659	8.660	-0.001	11244545	0.08723	44	

QC Flag Legend

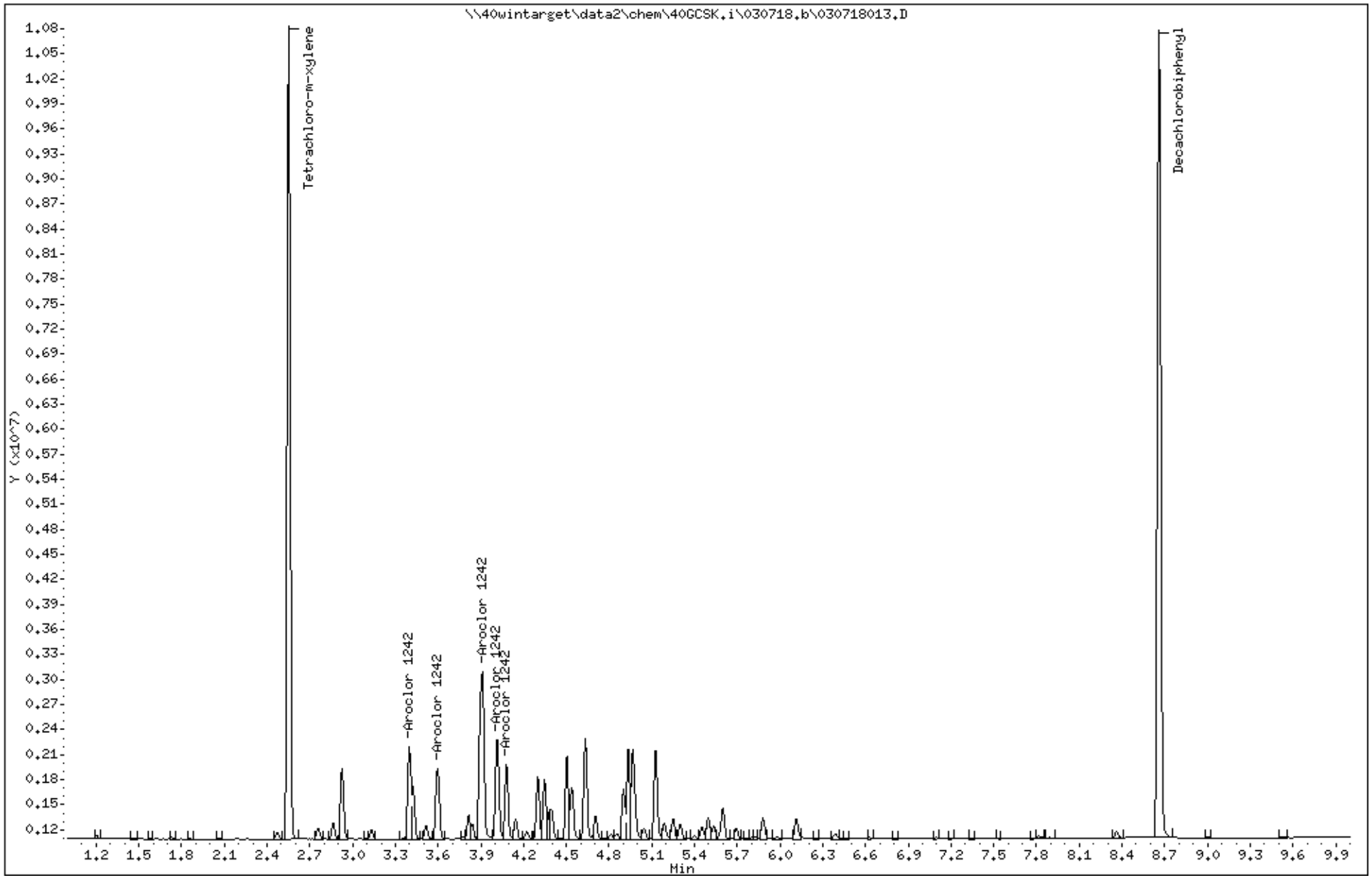
M - Compound response manually integrated.

Review Codes Legend

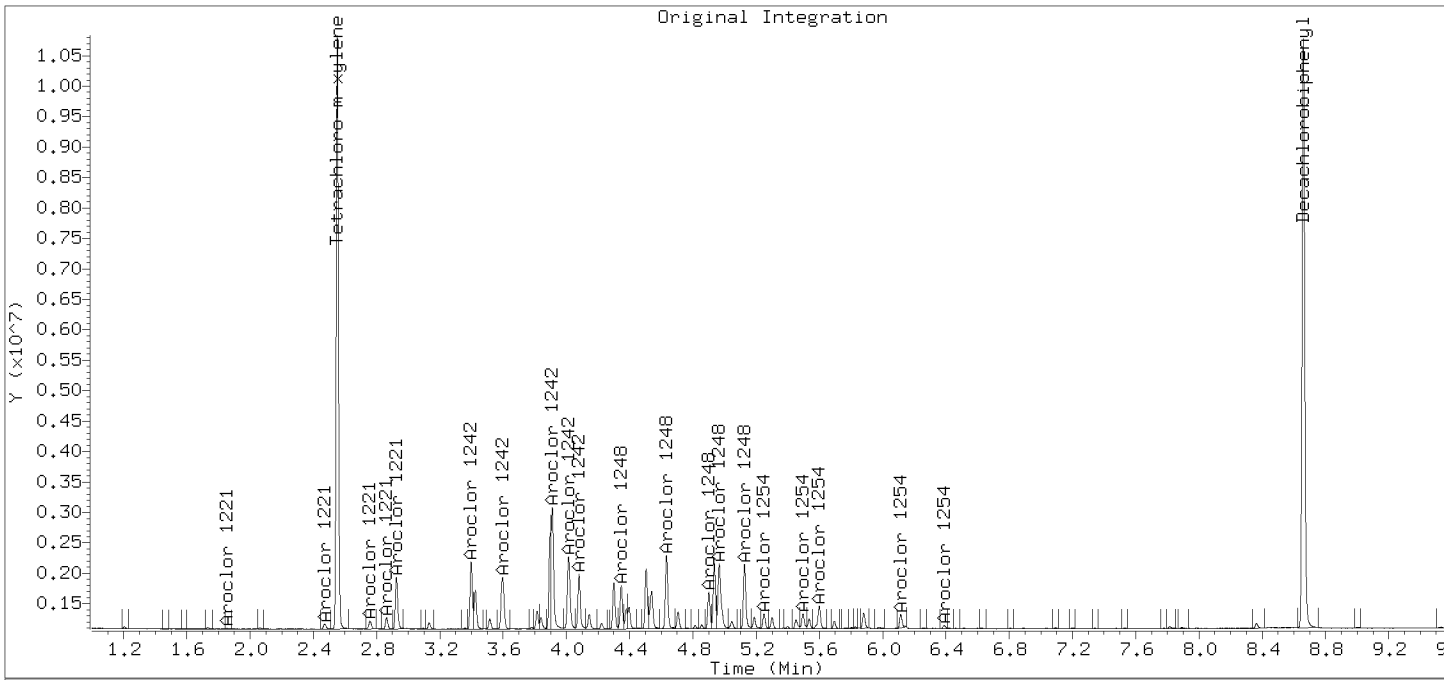
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

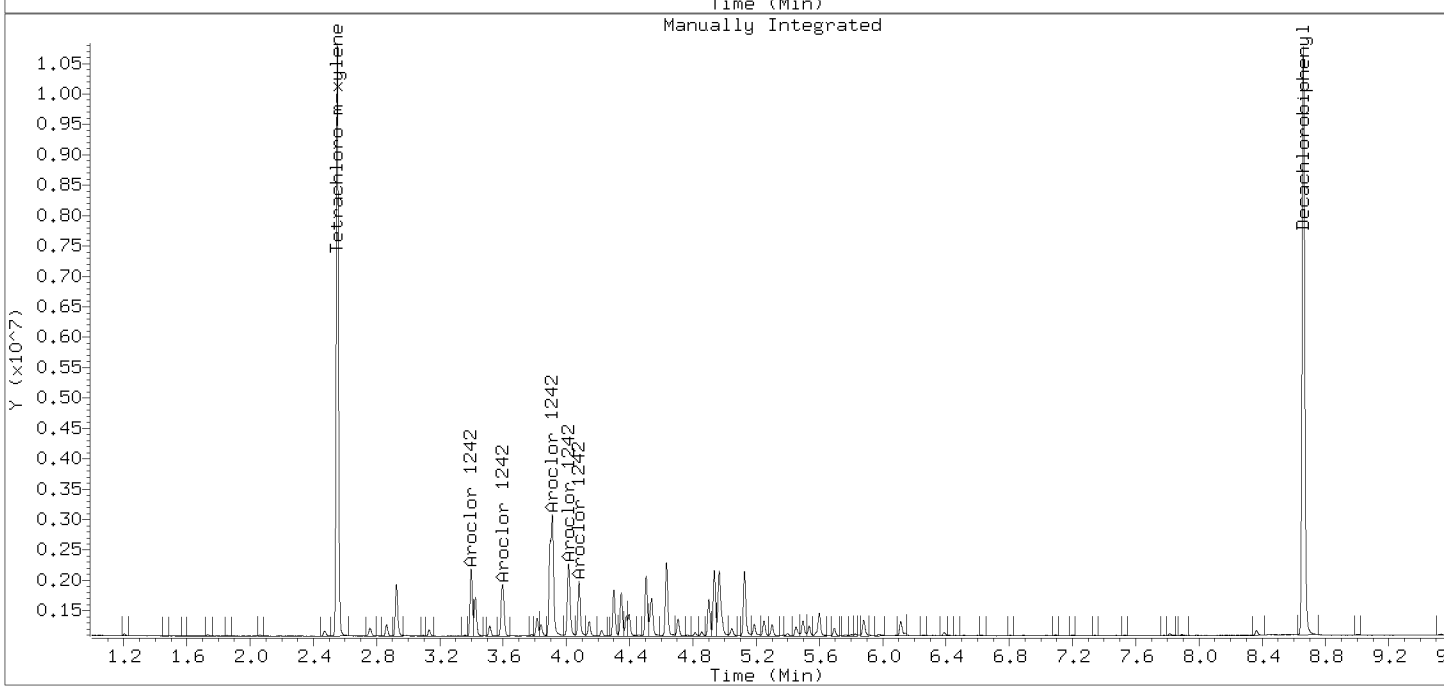
Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b\030718013.D
Date : 07-MAR-2018 14:46
Client ID: MBLCS
Sample Info: 1653811,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSK.i\030718.b/030718013.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 14:46 Operator: BLM
Instrument: 40GCSK.i
Lab Sample ID: 1653811





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1153302	0	
Aroclor 1016	1153302	0	
Aroclor 1016	1153302	0	
Aroclor 1016	1153302	0	
Aroclor 1016	1153302	0	
Aroclor 1221	13548	0	
Aroclor 1221	13548	0	
Aroclor 1221	13548	0	
Aroclor 1221	13548	0	
Aroclor 1221	13548	0	
Aroclor 1232	889394	0	
Aroclor 1232	889394	0	
Aroclor 1232	889394	0	
Aroclor 1232	889394	0	

Aroclor 1232	889394	0	
Aroclor 1242	1153302	1161365	BA
Aroclor 1242	1153302	1161365	BA
Aroclor 1242	1153302	1161365	BA
Aroclor 1242	1153302	1161365	BA
Aroclor 1242	1153302	1161365	BA
Aroclor 1248	754759	0	
Aroclor 1248	754759	0	
Aroclor 1248	754759	0	
Aroclor 1248	754759	0	
Aroclor 1248	754759	0	
Aroclor 1254	264739	0	
Aroclor 1254	264739	0	
Aroclor 1254	264739	0	
Aroclor 1254	264739	0	
Aroclor 1254	264739	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Tetrachloro-m-xylene	9432663	9432663	
Decachlorobiphenyl	11244545	11244545	

==========

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 M

Date Received:

Matrix: Tissue SDG No.: 40148722

Date Extracted: 03/05/2018 07:12

Lab Sample ID: 1654789

Date Analyzed: 03/07/2018 14:30

Lab File ID: 030718.B\030718012.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\030718.b\030718012.D
Lab Smp Id: 1654789 Client Smp ID: MB
Inj Date : 07-MAR-2018 14:30
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654789,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12 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
1.183	50381	40615	0.806	0.26		
1.538	11274	9742	0.864	0.06		
1.687	21762	13638	0.627	0.11		
2.010	31253	23003	0.736	0.16		
2.485	9035726	8793356	0.973	48.11	$ 2 Tetrachloro-m-xylene	
2.789	19733	17344	0.879	0.10		
2.856	14438	11317	0.784	0.07		
3.031	15364	13350	0.869	0.08		
3.993	12296	11686	0.950	0.06		
4.882	10680	10878	1.019	0.05		
5.387	9666	9936	1.028	0.05		
5.703	15100	11084	0.734	0.08		
6.448	10482	10295	0.982	0.05		
7.125	29766	20353	0.684	0.15		
7.685	10676	8112	0.760	0.05		
7.730	49018	43292	0.883	0.26		
7.780	19152	16134	0.842	0.10		
7.801	45648	34437	0.754	0.24		
8.276	75697	68080	0.899	0.40		
8.380	29073	21136	0.727	0.15		
8.573	9174402	7847762	0.855	48.95	$ 12 Decachlorobiphenyl	
8.947	26957	19919	0.739	0.14		
9.472	34707	19776	0.570	0.18		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.963	27301	18757	0.687	0.14	
	18780551	17094002		100.000	

Total unknown % area = 2.9

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718012.D
Lab Smp Id: 1654789 Client Smp ID: MB
Inj Date : 07-MAR-2018 14:30
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654789,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 12 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	9035726	0.07329	37			
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).

---

6 Aroclor 1248 CAS #: 12672-29-6

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

---

7 Aroclor 1254 CAS #: 11097-69-1

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

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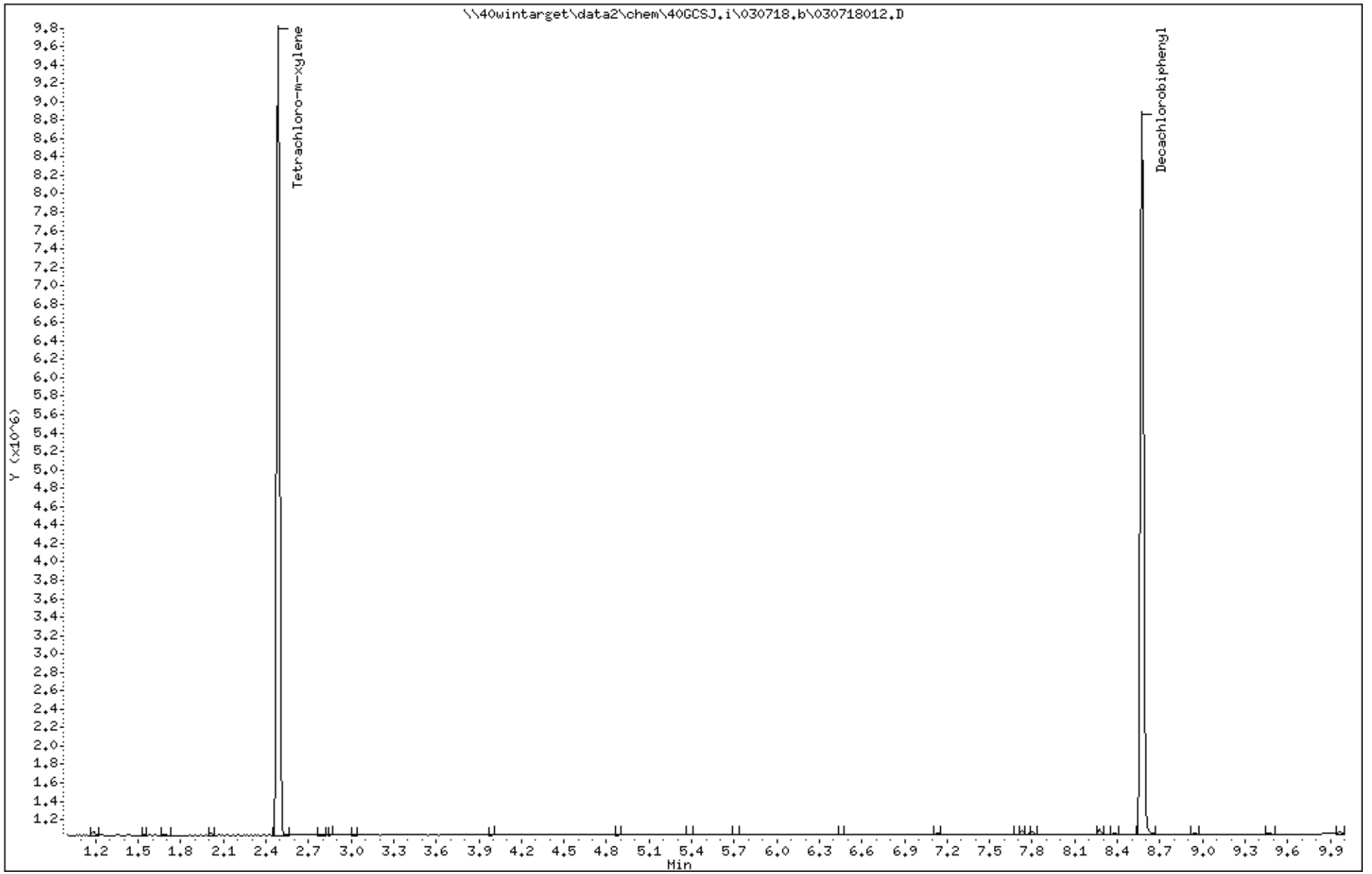
8 Aroclor 1260 CAS #: 11096-82-5

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

$ 12 Decachlorobiphenyl CAS #: 2051-24-3

8.573	8.571	0.002	9174401	0.08374		42		

Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718012.D
Date : 07-MAR-2018 14:30
Client ID: MB
Instrument: 40GCSJ.i
Sample Info: 1654789,
Volume Injected (uL): 1.0
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718012.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 14:30 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1654789

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	9035726	9035726	
Decachlorobiphenyl	9174401	9174401	

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 M

Date Received:

Matrix: Tissue SDG No.: 40148722

Date Extracted: 03/05/2018 07:12

Lab Sample ID: 1654790

Date Analyzed: 03/07/2018 14:46

Lab File ID: 030718.B\030718014.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)	226	
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\030718.b\030718014.D
Lab Smp Id: 1654790 Client Smp ID: MBLCS
Inj Date : 07-MAR-2018 14:46
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654790,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 14 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
1.182	30057	25091	0.835	0.06		
1.802	16970	12575	0.741	0.03		
2.013	18323	13744	0.750	0.04		
2.406	108049	85837	0.794	0.24		
2.486	9635374	9403682	0.976	22.66	$ 2 Tetrachloro-m-xylene	
2.687	161470	133738	0.828	0.37		
2.789	201728	190557	0.945	0.46		
2.852	890969	832458	0.934	2.05		
3.056	125730	109967	0.875	0.29		
3.280	22384	17822	0.796	0.05		
3.319	1156129	1117825	0.967	2.67	3 Aroclor 1242	BA
3.345	651067	622487	0.956	1.50		
3.436	183151	167590	0.915	0.42		
3.514	1136112	812168	0.715	2.62	3 Aroclor 1242	BA
3.649	21921	13840	0.631	0.05		
3.698	31684	30242	0.954	0.07		
3.733	295370	290186	0.982	0.68		
3.757	194200	187812	0.967	0.44		
3.827	3209307	1865492	0.581	7.41	3 Aroclor 1242	BA
3.930	1376636	1162511	0.844	3.18	3 Aroclor 1242	BA
3.995	913548	884295	0.968	2.11	3 Aroclor 1242	BA
4.059	260450	237761	0.913	0.60		
4.137	102209	96931	0.948	0.23		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.216	771152	725060	0.940	1.78	
4.262	724533	715067	0.987	1.67	
4.293	290693	311114	1.070	0.67	
4.311	369470	335149	0.907	0.85	
4.369	23090	19216	0.832	0.05	
4.418	1026261	965346	0.941	2.37	
4.453	757236	555338	0.733	1.75	
4.547	1268361	1171348	0.924	2.93	
4.617	306085	268835	0.878	0.70	
4.681	25791	18366	0.712	0.05	
4.729	64243	55473	0.863	0.14	
4.768	70433	63537	0.902	0.16	
4.814	576532	558120	0.968	1.33	
4.848	1029078	977555	0.950	2.37	
4.879	1297903	974336	0.751	3.00	
4.959	147336	114273	0.776	0.34	
5.038	1068793	981282	0.918	2.47	
5.100	224248	175743	0.784	0.51	
5.163	263552	234331	0.889	0.60	
5.213	186248	165866	0.891	0.43	
5.283	18108	15642	0.864	0.04	
5.309	45217	38832	0.859	0.10	
5.363	171302	143130	0.836	0.39	
5.407	274068	229940	0.839	0.63	
5.448	170618	148339	0.869	0.39	
5.512	439473	341100	0.776	1.01	
5.605	135493	116214	0.858	0.31	
5.718	30909	24418	0.790	0.07	
5.740	37491	30782	0.821	0.08	
5.794	280134	233640	0.834	0.64	
5.889	32900	28016	0.852	0.07	
5.985	13973	11016	0.788	0.03	
6.024	233071	201656	0.865	0.53	
6.057	47936	37540	0.783	0.11	
6.168	21224	15684	0.739	0.04	
6.301	57673	50391	0.874	0.13	
6.335	11041	9331	0.845	0.02	
6.377	16339	10154	0.621	0.03	
6.536	11779	13745	1.167	0.02	
6.716	12318	9595	0.779	0.02	
6.800	12468	10993	0.882	0.02	
6.941	9756	9000	0.923	0.02	
7.008	20765	16778	0.808	0.04	
7.125	30047	19365	0.644	0.06	
7.389	11453	7288	0.636	0.02	
7.686	11705	9964	0.851	0.02	
7.730	52433	44730	0.853	0.12	
7.778	10992	10566	0.961	0.02	
7.800	41513	32158	0.775	0.09	
8.274	84476	70342	0.833	0.19	
8.379	27015	18087	0.670	0.06	
8.573	9563578	8217198	0.859	22.11	$ 12 Decachlorobiphenyl
8.943	20726	14292	0.690	0.04	
9.471	28282	18004	0.637	0.06	
9.964	34207	22722	0.664	0.07	
	43254358	37930618		100.000	

Total unknown % area = 37

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718014.D
Lab Smp Id: 1654790 Client Smp ID: MBLCS
Inj Date : 07-MAR-2018 14:46
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654790,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 14 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	9635373	0.07815	39			
3 Aroclor 1242					CAS #: 53469-21-9			
3.318	3.318	0.000	1156128	0.45639	230	0.00- 20.00	100.00(M)	BA
3.514	3.513	0.001	1136112	0.45083	220	0.00- 20.00	98.27	BA
3.826	3.827	-0.001	3209307	0.45097	220	0.00- 20.00	277.59	BA
3.929	3.929	0.000	1376636	0.45261	230	0.00- 20.00	119.07	BA
3.994	3.995	-0.001	913547	0.44612	220	0.00- 20.00	79.02	BA
Average of Peak Concentrations =					220			

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	9563577	0.08729	44	

QC Flag Legend

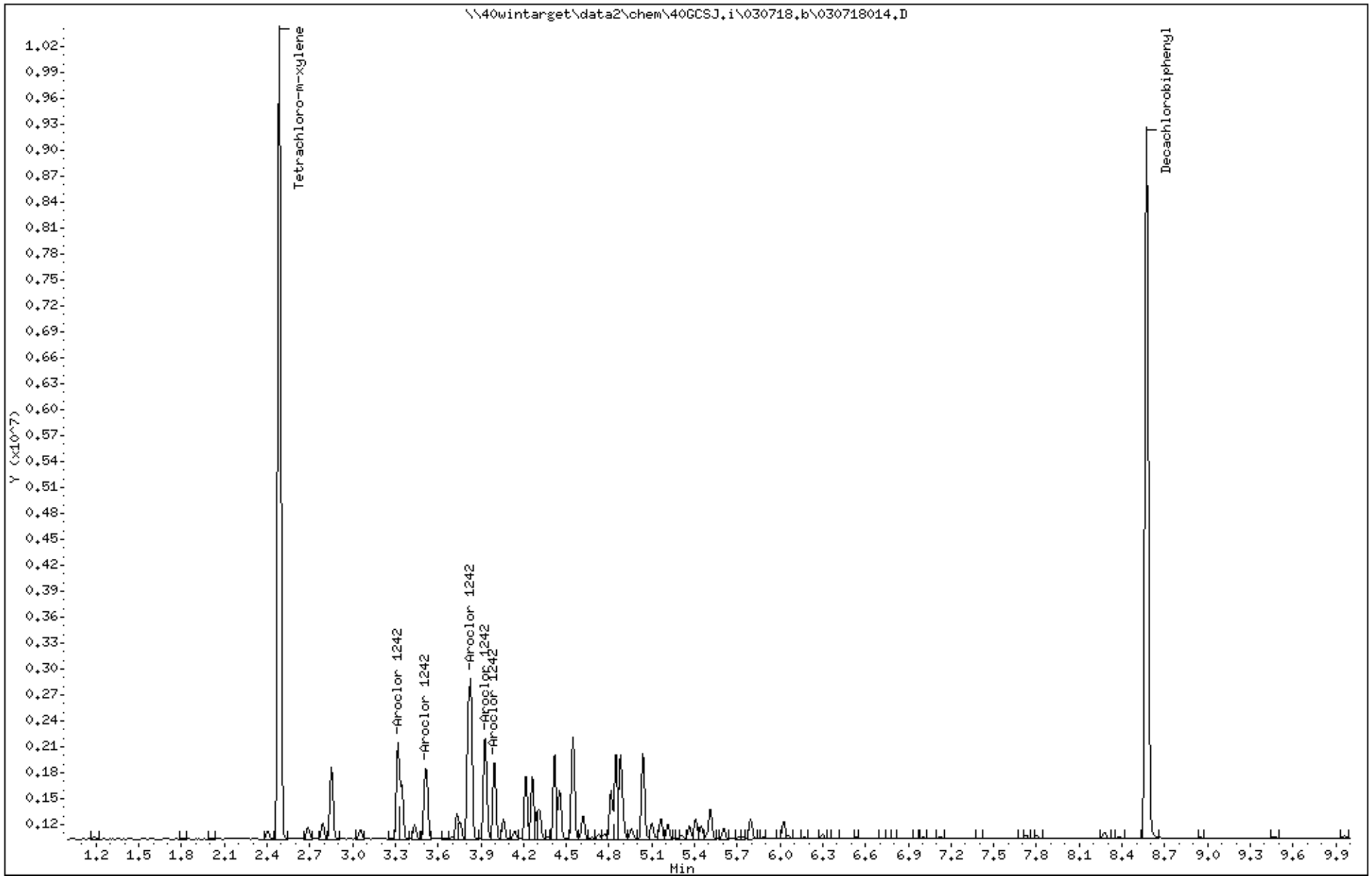
M - Compound response manually integrated.

Review Codes Legend

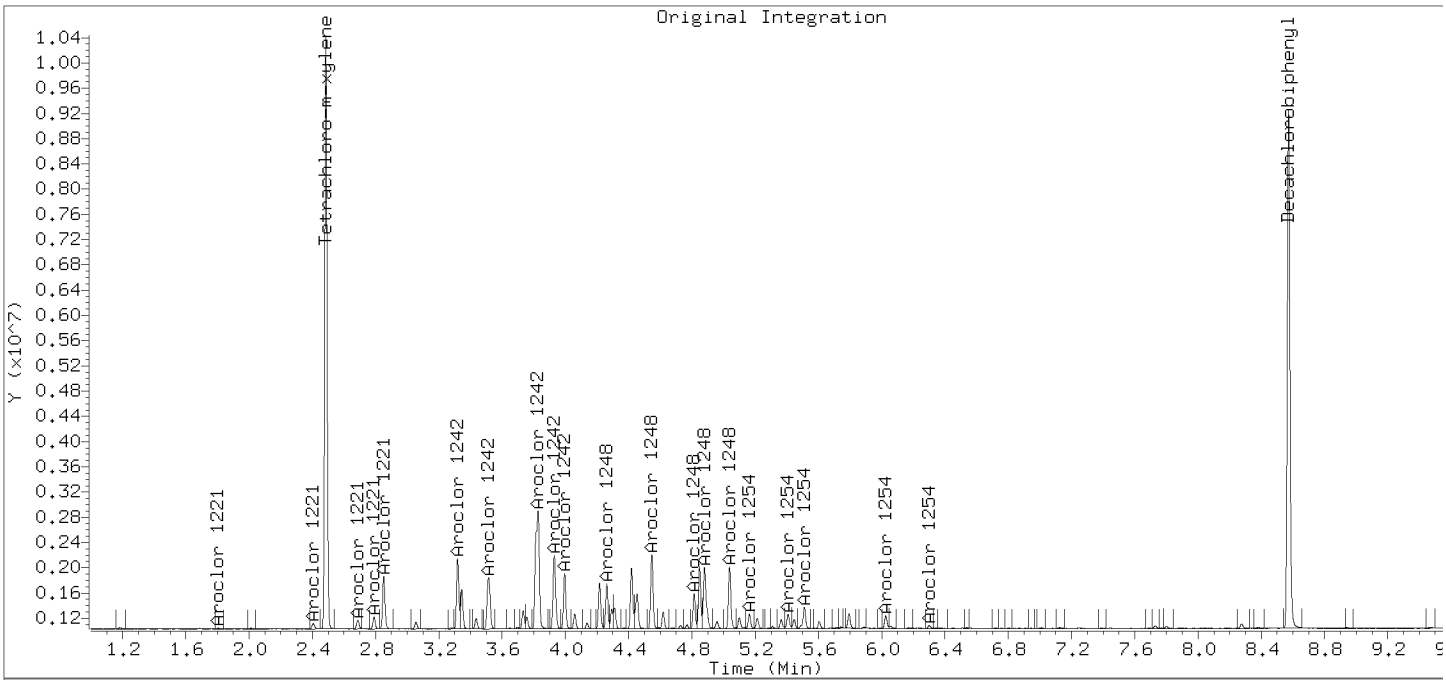
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

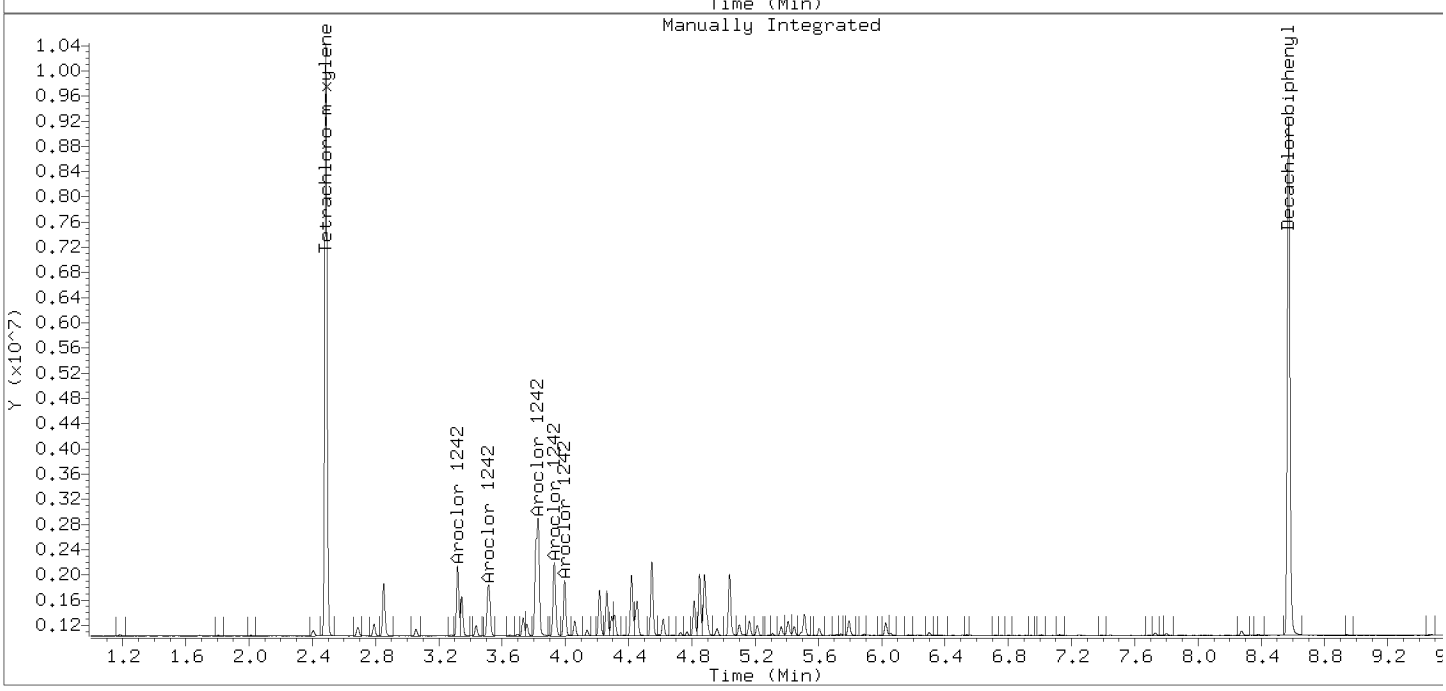
Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718014.D
Date : 07-MAR-2018 14:46
Client ID: MBLCS
Sample Info: 1654790,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718014.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 14:46 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1654790





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1149937	0	
Aroclor 1016	1149937	0	
Aroclor 1016	1149937	0	
Aroclor 1016	1149937	0	
Aroclor 1016	1149937	0	
Aroclor 1221	16969	0	
Aroclor 1221	16969	0	
Aroclor 1221	16969	0	
Aroclor 1221	16969	0	
Aroclor 1221	16969	0	
Aroclor 1232	878440	0	
Aroclor 1232	878440	0	
Aroclor 1232	878440	0	
Aroclor 1232	878440	0	

Aroclor 1232	878440	0	
Aroclor 1242	1149937	1156128	BA
Aroclor 1242	1149937	1156128	BA
Aroclor 1242	1149937	1156128	BA
Aroclor 1242	1149937	1156128	BA
Aroclor 1242	1149937	1156128	BA
Aroclor 1248	718499	0	
Aroclor 1248	718499	0	
Aroclor 1248	718499	0	
Aroclor 1248	718499	0	
Aroclor 1248	718499	0	
Aroclor 1254	255815	0	
Aroclor 1254	255815	0	
Aroclor 1254	255815	0	
Aroclor 1254	255815	0	
Aroclor 1254	255815	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Aroclor 1260	0	0	
Tetrachloro-m-xylene	9635373	9635373	
Decachlorobiphenyl	9563577	9563577	

==========

SAMPLE NO.

MS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: HUDSON RIVER REMEDIAL ACTION M
Date Received: 04/21/2017 09:20
Matrix: Tissue SDG No.: 40148722
Date Extracted: 03/05/2018 07:12
Lab Sample ID: 1654791
Date Analyzed: 03/07/2018 15:02
Lab File ID: 030718.B\030718016.D
Initial wt/vol: 9.9878 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)	235	
12672-29-6	PCB-1248 (Aroclor 1248)	182	
11097-69-1	PCB-1254 (Aroclor 1254)	79.3	
11096-82-5	PCB-1260 (Aroclor 1260)	107	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718016.D
Lab Smp Id: 1654791 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:02
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654791,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 QC Sample: MS
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	9.988	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.074	16551	15455	0.934	0.02		
1.103	29321	20985	0.716	0.03		
1.141	10659	11811	1.108	0.01		
1.159	23107	24500	1.060	0.02		
1.184	132439	95086	0.718	0.16		
1.328	13233	12450	0.941	0.01		
1.426	16582	14446	0.871	0.02		
1.499	17681	14113	0.798	0.02		
1.638	10534	10953	1.040	0.01		
1.803	15728	15860	1.008	0.01		
1.917	9283	9243	0.996	0.01		
1.951	19716	14512	0.736	0.02		
2.012	79776	57313	0.718	0.09		
2.064	10150	8722	0.859	0.01		
2.129	23798	15752	0.662	0.02		
2.172	21718	23622	1.088	0.02		
2.253	10936	10176	0.930	0.01		
2.293	26643	26650	1.000	0.03		
2.317	40792	41664	1.021	0.05		
2.409	192969	159839	0.828	0.23		
2.485	10496033	10211484	0.973	13.62	$ 2 Tetrachloro-m-xylene	
2.687	166092	141464	0.852	0.20		
2.791	213412	196527	0.921	0.26		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.852	939125	839106	0.893	1.15	
2.975	184671	125585	0.680	0.22	
3.027	70916	52772	0.744	0.08	
3.055	139190	113770	0.817	0.17	
3.318	1166873	1098311	0.941	1.43	3 Aroclor 1242
3.345	671026	619896	0.924	0.82	
3.401	12081	14943	1.237	0.01	
3.436	199570	174131	0.873	0.24	
3.515	1172014	845943	0.722	1.43	3 Aroclor 1242
3.651	24994	15630	0.625	0.03	
3.698	38642	35304	0.914	0.04	
3.733	302415	308982	1.022	0.37	
3.757	207813	188736	0.908	0.25	
3.827	3349592	1954787	0.584	4.10	3 Aroclor 1242
3.930	1404006	1165563	0.830	1.72	3 Aroclor 1242
3.995	1000044	956649	0.957	1.22	3 Aroclor 1242
4.059	277061	248504	0.897	0.33	
4.138	113339	101928	0.899	0.13	
4.215	951656	890170	0.935	1.16	
4.262	915328	876786	0.958	1.12	6 Aroclor 1248
4.294	424937	431562	1.016	0.52	
4.310	376376	366980	0.975	0.46	
4.347	58176	31793	0.546	0.07	
4.418	1128146	1070802	0.949	1.38	
4.452	823255	627013	0.762	1.00	
4.547	1418841	1300274	0.916	1.73	6 Aroclor 1248
4.590	29975	32944	1.099	0.03	
4.618	340625	298128	0.875	0.41	
4.683	53485	40672	0.760	0.06	
4.735	135438	89003	0.657	0.16	
4.769	103645	91390	0.882	0.12	
4.814	708215	685433	0.968	0.86	6 Aroclor 1248
4.849	1223598	1174763	0.960	1.50	
4.880	1854302	1238852	0.668	2.27	6 Aroclor 1248
4.959	301974	240724	0.797	0.37	
5.005	47144	43083	0.914	0.05	
5.038	1309956	1121922	0.856	1.60	6 Aroclor 1248
5.100	738063	529847	0.718	0.90	
5.163	1073870	968361	0.902	1.31	7 Aroclor 1254
5.215	1153645	1020756	0.885	1.41	
5.253	82767	80157	0.968	0.10	
5.285	139183	116149	0.835	0.17	
5.315	568193	532083	0.936	0.69	
5.364	404111	360004	0.891	0.49	
5.409	523408	478784	0.915	0.64	7 Aroclor 1254
5.453	2960718	2836381	0.958	3.62	
5.511	1269321	920251	0.725	1.55	7 Aroclor 1254
5.578	170764	149890	0.878	0.20	
5.604	266917	208521	0.781	0.32	
5.677	401127	358246	0.893	0.49	
5.710	324912	224058	0.690	0.39	
5.743	340525	257041	0.755	0.41	
5.790	1856988	1504710	0.810	2.27	
5.823	525952	434460	0.826	0.64	
5.902	365386	245868	0.673	0.44	
5.932	132696	106856	0.805	0.16	
5.965	47890	47679	0.996	0.05	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.995	738016	690650	0.936	0.90	
6.027	697849	620883	0.890	0.85	7 Aroclor 1254
6.057	2678725	2310480	0.863	3.28	
6.171	241983	213390	0.882	0.29	
6.185	275851	249550	0.905	0.33	
6.245	381265	218410	0.573	0.46	
6.301	2236300	1799500	0.805	2.74	8 Aroclor 1260
6.333	183428	161890	0.883	0.22	
6.375	65295	57157	0.875	0.08	
6.408	25016	25979	1.038	0.03	
6.434	439067	316097	0.720	0.53	
6.511	1676633	1468275	0.876	2.05	
6.536	357750	349210	0.976	0.43	
6.562	581688	492256	0.846	0.71	
6.605	144105	106592	0.740	0.17	
6.650	23983	20710	0.864	0.02	
6.661	58627	55681	0.950	0.07	
6.697	36958	40976	1.109	0.04	
6.720	317011	275486	0.869	0.38	
6.759	532556	442183	0.830	0.65	
6.803	335365	294403	0.878	0.41	
6.840	463742	401904	0.867	0.56	
6.888	29546	29476	0.998	0.03	
6.915	209860	198727	0.947	0.25	
6.943	474070	429832	0.907	0.58	
7.006	1461473	1292156	0.884	1.79	8 Aroclor 1260
7.037	163595	120182	0.735	0.20	
7.078	37259	32313	0.867	0.04	
7.124	66159	43447	0.657	0.08	
7.253	548835	467050	0.851	0.67	8 Aroclor 1260
7.281	181601	132790	0.731	0.22	
7.343	33714	25599	0.759	0.04	
7.391	812539	736494	0.906	0.99	
7.423	38191	68024	1.781	0.04	
7.444	852942	731241	0.857	1.04	8 Aroclor 1260
7.492	173176	134137	0.775	0.21	
7.530	76883	67696	0.881	0.09	
7.561	109811	73593	0.670	0.13	
7.604	5296	10702	2.021	0.00	
7.625	69271	40065	0.578	0.08	
7.664	13323	19057	1.430	0.01	
7.692	126870	129568	1.021	0.15	
7.729	829873	746331	0.899	1.01	
7.766	55947	52178	0.933	0.06	
7.803	454560	272454	0.599	0.55	
7.862	65701	48527	0.739	0.08	
7.902	683365	573612	0.839	0.83	8 Aroclor 1260
7.961	124884	63444	0.508	0.15	
8.048	38273	29192	0.763	0.04	
8.104	22116	20922	0.946	0.02	
8.156	12710	9705	0.764	0.01	
8.193	53349	33436	0.627	0.06	
8.276	1732221	1547722	0.893	2.12	
8.379	83776	70184	0.838	0.10	
8.449	49424	22609	0.457	0.06	
8.572	9993330	8751037	0.876	12.25	$ 12 Decachlorobiphenyl
8.704	63718	65528	1.028	0.07	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.726	169917	143109	0.842	0.20	
8.839	32016	23244	0.726	0.03	
8.945	52018	34789	0.669	0.06	
8.995	41739	34075	0.816	0.05	
9.035	18393	16298	0.886	0.02	
9.056	43451	25621	0.590	0.05	
9.094	32238	20606	0.639	0.03	
9.171	108761	90907	0.836	0.13	
9.290	21210	16712	0.788	0.02	
9.332	28407	24251	0.854	0.03	
9.410	18804	14814	0.788	0.02	
9.471	73964	41847	0.566	0.09	
9.542	23465	23685	1.009	0.02	
9.598	10115	9943	0.983	0.01	
9.677	11306	12498	1.105	0.01	
9.700	45848	42358	0.924	0.05	
9.738	84618	62140	0.734	0.10	
9.782	9702	8986	0.926	0.01	
9.859	10760	10167	0.945	0.01	
9.946	9737	12735	1.308	0.01	
9.965	56775	30277	0.533	0.06	
	81564154	70445317		100.000	

Total unknown % area = 45

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718016.D
Lab Smp Id: 1654791 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:02
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654791,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 16 QC Sample: MS
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	9.988	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	10496033	0.08513	43			
3 Aroclor 1242					CAS #: 53469-21-9			
3.317	3.318	-0.001	1166873	0.46063	230	0.00- 20.00	100.00(M)	BA
3.514	3.513	0.001	1172013	0.46508	230	0.00- 20.00	100.44	BA
3.826	3.827	-0.001	3349591	0.47068	240	0.00- 20.00	287.06	BA
3.929	3.929	0.000	1404005	0.46161	230	0.00- 20.00	120.32	BA
3.994	3.995	-0.001	1000044	0.48836	240	0.00- 20.00	85.70	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			
4.261	4.261	0.000	915327	0.39067	200	0.00- 20.00	100.00(M)	BA
4.546	4.546	0.000	1418840	0.34186	170	0.00- 20.00	155.01	BA
4.813	4.812	0.001	708214	0.34886	170	0.00- 20.00	77.37	BA
4.879	4.879	0.000	1854302	0.36810	180	0.00- 20.00	202.58	BA
5.037	5.038	-0.001	1309955	0.36504	180	0.00- 20.00	143.11	BA
Average of Peak Concentrations =					180			
7 Aroclor 1254					CAS #: 11097-69-1			
5.162	5.162	0.000	1073869	0.20512	100	0.00- 20.00	100.00(M)	BA
5.408	5.408	0.000	523408	0.12169	61	0.00- 20.00	48.74	BA
5.510	5.510	0.000	1269321	0.16344	82	0.00- 20.00	118.20	BA
6.026	6.027	-0.001	697849	0.14330	72	0.00- 20.00	64.98	BA
6.299	6.299	0.000	0	0.00	0.00	0.00- 20.00	0.00	BA
Average of Peak Concentrations =					79			
8 Aroclor 1260					CAS #: 11096-82-5			
6.300	6.300	0.000	2236300	0.25234	130	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	1461473	0.14594	73	0.00- 20.00	65.35	BA
7.252	7.251	0.001	548834	0.11482	57	0.00- 20.00	24.54	BA
7.443	7.443	0.000	852942	0.29259	150	0.00- 20.00	38.14	BA
7.901	7.901	0.000	683365	0.25897	130	0.00- 20.00	30.56	BA
Average of Peak Concentrations =					110			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	9993330	0.09121	46			

QC Flag Legend

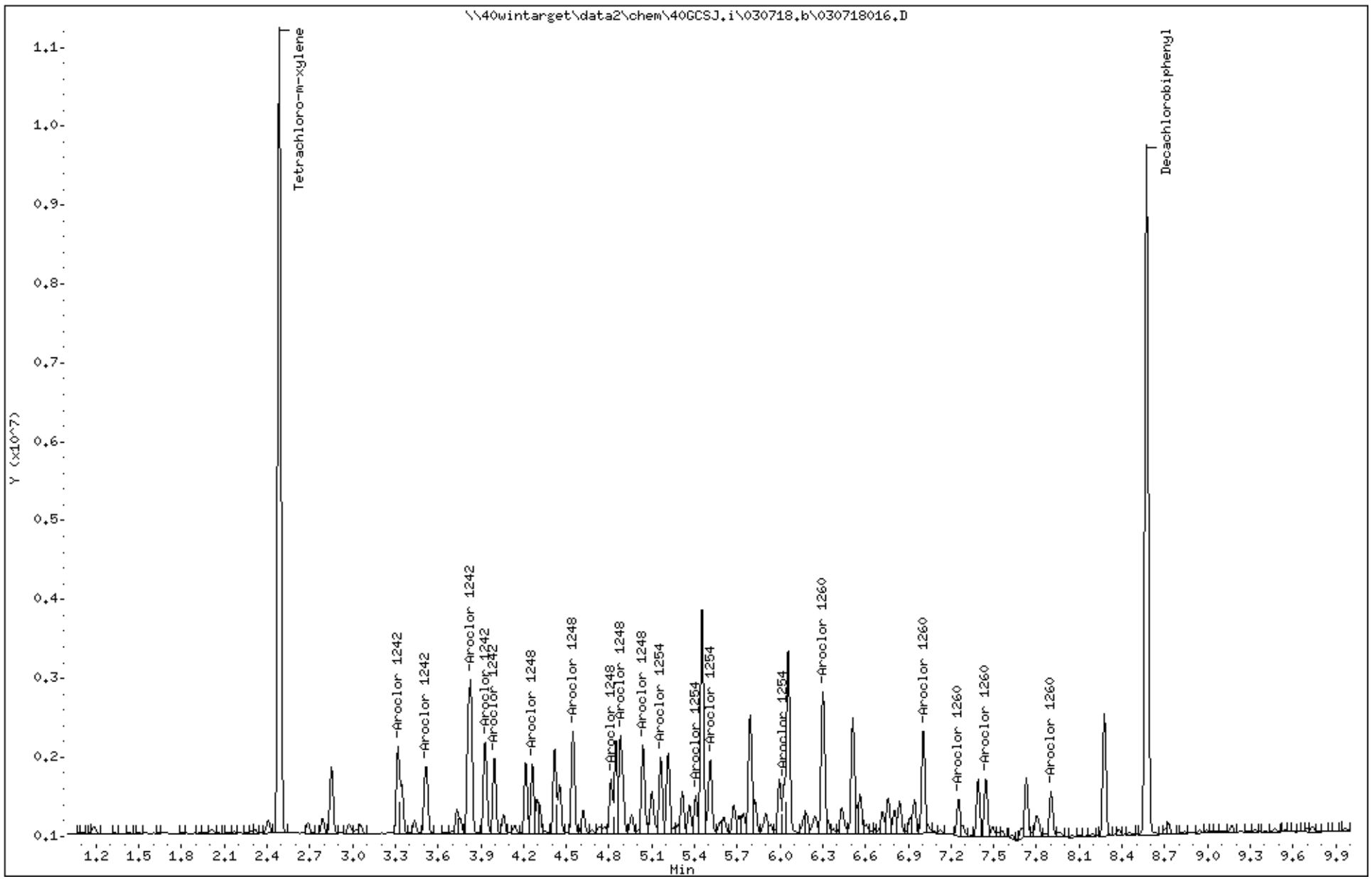
M - Compound response manually integrated.

Review Codes Legend

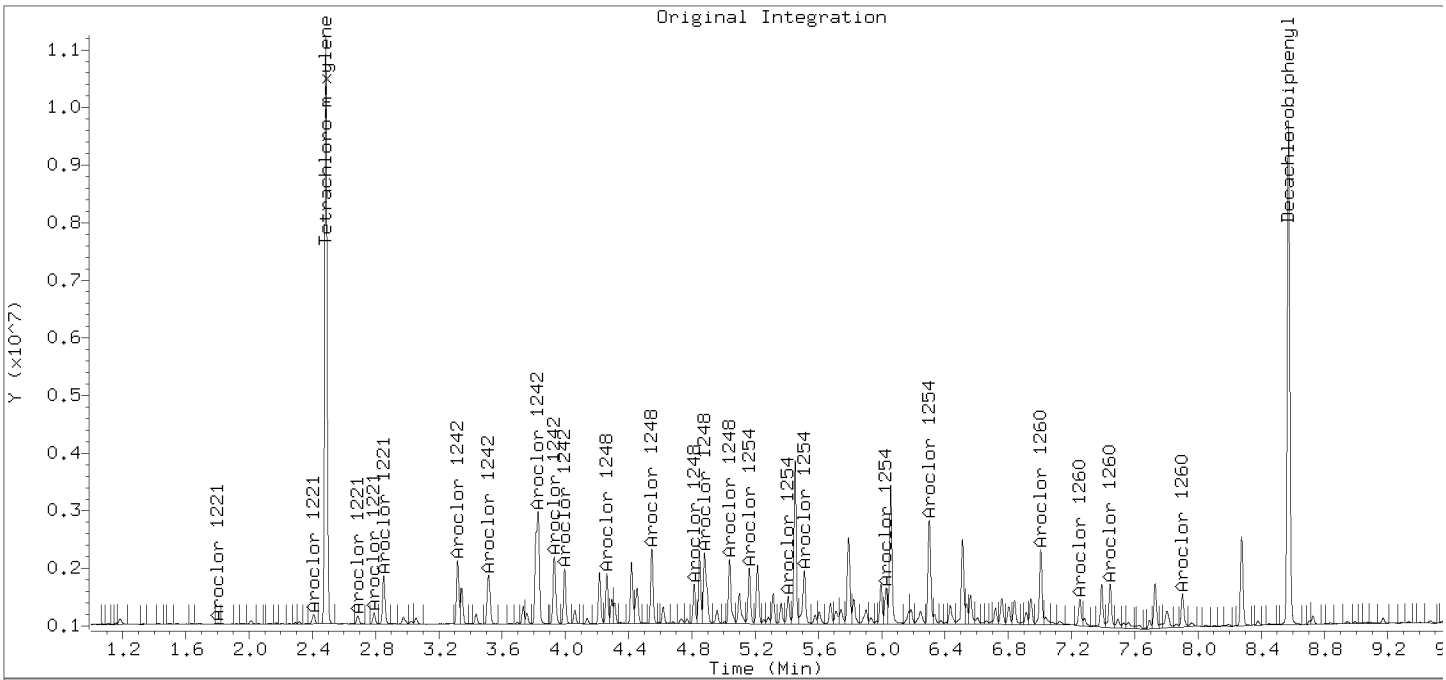
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

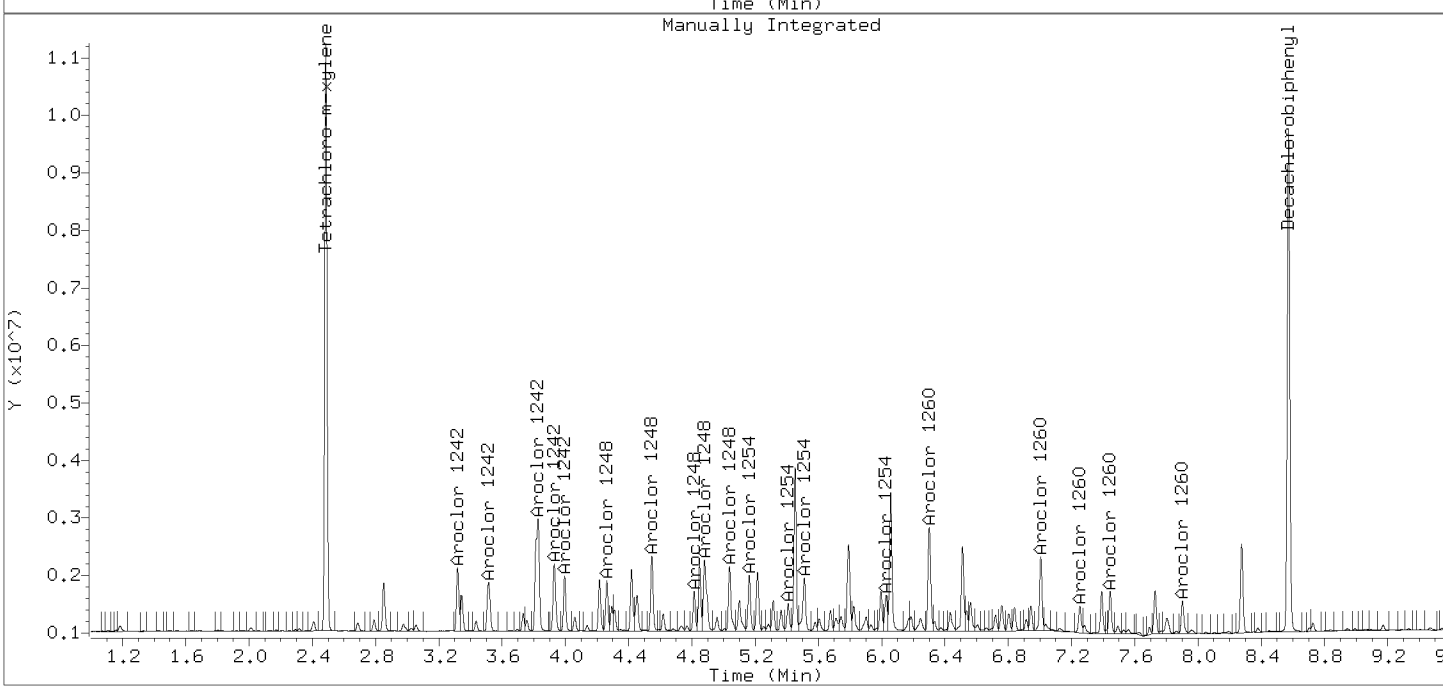
Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718016.D
Date : 07-MAR-2018 15:02
Client ID: TZ1-170420-01-STB-1
Sample Info: 1654791,
Volume Injected (uL): 1.0
Column phase: ZB-1ms

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



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718016.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 15:02 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1654791





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	1159272	0	
Aroclor 1016	1159272	0	
Aroclor 1016	1159272	0	
Aroclor 1016	1159272	0	
Aroclor 1016	1159272	0	
Aroclor 1221	15728	0	
Aroclor 1221	15728	0	
Aroclor 1221	15728	0	
Aroclor 1221	15728	0	
Aroclor 1221	15728	0	
Aroclor 1232	919927	0	
Aroclor 1232	919927	0	
Aroclor 1232	919927	0	
Aroclor 1232	919927	0	

Aroclor 1232	919927	0	
Aroclor 1242	1159272	1166873	BA
Aroclor 1242	1159272	1166873	BA
Aroclor 1242	1159272	1166873	BA
Aroclor 1242	1159272	1166873	BA
Aroclor 1242	1159272	1166873	BA
Aroclor 1248	897803	915327	BA
Aroclor 1248	897803	915327	BA
Aroclor 1248	897803	915327	BA
Aroclor 1248	897803	915327	BA
Aroclor 1248	897803	915327	BA
Aroclor 1254	1061693	1073869	BA
Aroclor 1254	1061693	1073869	BA
Aroclor 1254	1061693	1073869	BA
Aroclor 1254	1061693	1073869	BA
Aroclor 1254	1061693	1073869	BA
Aroclor 1260	2254608	2236300	BA
Aroclor 1260	2254608	2236300	BA
Aroclor 1260	2254608	2236300	BA
Aroclor 1260	2254608	2236300	BA
Aroclor 1260	2254608	2236300	BA
Tetrachloro-m-xylene	10496033	10496033	
Decachlorobiphenyl	9993330	9993330	

==========

SAMPLE NO.

DUP

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay

Contract: HUDSON RIVER REMEDIAL ACTION M

Date Received: 04/21/2017 09:20

Matrix: Tissue SDG No.: 40148722

Date Extracted: 03/05/2018 07:12

Lab Sample ID: 1654792

Date Analyzed: 03/07/2018 15:35

Lab File ID: 030718.B\030718020.D

Initial wt/vol: 9.9848 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)	37.8	J
11097-69-1	PCB-1254 (Aroclor 1254)	53.1	
11096-82-5	PCB-1260 (Aroclor 1260)	106	

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718020.D
Lab Smp Id: 1654792 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:35
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654792,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: AREA%
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 20 QC Sample: FIELDDUP
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	9.985	Weight of sample extracted
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS	REVIEW CODE
1.025	14807	10137	0.685	0.02		
1.071	18070	12485	0.691	0.03		
1.104	20166	16613	0.824	0.03		
1.162	14114	15394	1.091	0.02		
1.428	14071	10345	0.735	0.02		
1.498	12439	12674	1.019	0.02		
1.634	9310	8986	0.965	0.01		
1.683	10400	10183	0.979	0.01		
1.773	10199	9348	0.917	0.01		
1.798	11503	10294	0.895	0.02		
1.950	14463	12812	0.886	0.02		
2.126	27440	16204	0.591	0.04		
2.172	30690	29580	0.964	0.05		
2.214	9550	10790	1.130	0.01		
2.258	12417	11144	0.897	0.02		
2.292	31095	31667	1.018	0.05		
2.317	49043	47294	0.964	0.08		
2.409	91682	80765	0.881	0.16		
2.485	9627768	9264622	0.962	17.76	$ 2 Tetrachloro-m-xylene	
2.785	22278	19010	0.853	0.03		
2.827	12069	8824	0.731	0.02		
2.859	39038	26061	0.668	0.06		
2.919	12273	12700	1.035	0.02		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.976	167197	117171	0.701	0.29	
3.018	28038	26828	0.957	0.04	
3.072	16783	9522	0.567	0.02	
3.320	19687	19562	0.994	0.03	3 Aroclor 1242
3.344	19396	19561	1.009	0.03	
3.520	20327	17708	0.871	0.03	3 Aroclor 1242
3.731	23025	23550	1.023	0.04	
3.758	16477	15947	0.968	0.02	
3.824	176880	102540	0.580	0.31	3 Aroclor 1242
3.935	44206	28190	0.638	0.07	3 Aroclor 1242
3.994	42004	30396	0.724	0.07	3 Aroclor 1242
4.056	34036	19790	0.581	0.05	
4.216	225444	203026	0.901	0.39	
4.262	229576	214590	0.935	0.40	6 Aroclor 1248
4.293	182336	136679	0.750	0.32	
4.350	36261	27296	0.753	0.06	
4.418	152325	125383	0.823	0.26	
4.453	88563	77256	0.872	0.15	
4.506	33569	19595	0.584	0.05	
4.546	206062	163044	0.791	0.36	6 Aroclor 1248
4.619	42315	28613	0.676	0.07	
4.656	13043	14911	1.143	0.02	
4.680	35715	27893	0.781	0.06	
4.738	77321	62701	0.811	0.13	
4.767	39697	37881	0.954	0.06	
4.813	148439	125288	0.844	0.26	6 Aroclor 1248
4.847	245590	227394	0.926	0.43	
4.894	577523	329684	0.571	1.01	6 Aroclor 1248
4.939	18720	25735	1.375	0.03	
4.956	157559	135175	0.858	0.27	
5.003	39849	41108	1.032	0.07	
5.037	149231	137656	0.922	0.26	6 Aroclor 1248
5.058	114169	116563	1.021	0.20	
5.100	528933	355048	0.671	0.93	
5.162	842509	745177	0.884	1.48	7 Aroclor 1254
5.214	971562	839356	0.864	1.71	
5.254	88435	84020	0.950	0.15	
5.284	122835	101216	0.824	0.21	
5.314	513699	494602	0.963	0.90	
5.364	262648	227505	0.866	0.46	
5.407	276207	251523	0.911	0.48	7 Aroclor 1254
5.452	2816642	2680820	0.952	4.96	
5.479	72494	102371	1.412	0.12	
5.510	781515	628012	0.804	1.37	7 Aroclor 1254
5.577	160746	140980	0.877	0.28	
5.604	162747	103941	0.639	0.28	
5.675	375076	341317	0.910	0.66	
5.709	266440	194601	0.730	0.46	
5.742	312486	232591	0.744	0.55	
5.789	1624971	1360987	0.838	2.86	
5.822	532255	453279	0.852	0.93	
5.901	323711	228820	0.707	0.57	
5.932	121531	102587	0.844	0.21	
5.965	43210	44129	1.021	0.07	
5.993	725211	663022	0.914	1.27	
6.027	478705	425619	0.889	0.84	7 Aroclor 1254
6.056	2609411	2278558	0.873	4.59	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.170	224084	199796	0.892	0.39	
6.185	269122	244537	0.909	0.47	
6.246	366654	215948	0.589	0.64	
6.299	2182756	1797676	0.824	3.84	8 Aroclor 1260
6.333	167706	151056	0.901	0.29	
6.373	60432	48618	0.805	0.10	
6.407	26165	26924	1.029	0.04	
6.433	401009	306814	0.765	0.70	
6.485	60970	65825	1.080	0.10	
6.510	1603950	1443956	0.900	2.82	
6.535	325603	339783	1.044	0.57	
6.561	573878	479577	0.836	1.01	
6.604	142871	107117	0.750	0.25	
6.641	19726	22539	1.143	0.03	
6.662	62556	52005	0.831	0.11	
6.718	334084	264642	0.792	0.58	
6.758	524776	437882	0.834	0.92	
6.803	328266	306155	0.933	0.57	
6.839	456339	403403	0.884	0.80	
6.891	25326	28948	1.143	0.04	
6.913	209095	197606	0.945	0.36	
6.943	489686	454545	0.928	0.86	
7.005	1456544	1333729	0.916	2.56	8 Aroclor 1260
7.035	162534	117100	0.720	0.28	
7.076	31926	31395	0.983	0.05	
7.123	44550	39350	0.883	0.07	
7.251	543509	467512	0.860	0.95	8 Aroclor 1260
7.282	180293	129770	0.720	0.31	
7.343	28519	22281	0.781	0.05	
7.367	27275	29718	1.090	0.04	
7.390	787404	739887	0.940	1.38	
7.421	43329	67754	1.564	0.07	
7.443	846331	759770	0.898	1.49	8 Aroclor 1260
7.492	167685	131350	0.783	0.29	
7.528	70622	65359	0.925	0.12	
7.561	112956	74230	0.657	0.19	
7.624	76255	41800	0.548	0.13	
7.665	13471	20479	1.520	0.02	
7.691	134708	132493	0.984	0.23	
7.727	823635	751207	0.912	1.45	
7.765	47775	46439	0.972	0.08	
7.801	434129	266209	0.613	0.76	
7.864	65536	50334	0.768	0.11	
7.900	681151	583127	0.856	1.19	8 Aroclor 1260
7.961	125926	62157	0.494	0.22	
8.005	17868	15313	0.857	0.03	
8.048	38668	28375	0.734	0.06	
8.103	20589	19427	0.944	0.03	
8.194	42750	31348	0.733	0.07	
8.274	1721823	1483759	0.862	3.03	
8.349	9407	11332	1.205	0.01	
8.378	61186	52593	0.860	0.10	
8.450	29646	21553	0.727	0.05	
8.571	9442336	8362610	0.886	16.63	$ 12 Decachlorobiphenyl
8.674	9800	10815	1.104	0.01	
8.702	71240	73343	1.030	0.12	
8.727	200710	155924	0.777	0.35	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.797	11852	11488	0.969	0.02	
8.817	11142	13634	1.224	0.01	
8.840	40320	28623	0.710	0.07	
8.878	10571	10744	1.016	0.01	
8.890	21212	13576	0.640	0.03	
8.944	31439	19153	0.609	0.05	
8.993	55839	37784	0.677	0.09	
9.030	20592	20557	0.998	0.03	
9.055	56758	32356	0.570	0.09	
9.097	44860	22222	0.495	0.07	
9.171	121597	91511	0.753	0.21	
9.230	21657	13902	0.642	0.03	
9.286	17298	16769	0.969	0.03	
9.331	28540	26223	0.919	0.05	
9.403	17292	13206	0.764	0.03	
9.466	38802	18811	0.485	0.06	
9.543	55005	28987	0.527	0.09	
9.598	10395	10875	1.046	0.01	
9.701	47272	40457	0.856	0.08	
9.735	85178	66663	0.783	0.15	
9.860	17197	12511	0.728	0.03	
9.939	10251	9416	0.919	0.01	
9.961	14651	9056	0.618	0.02	
	56767081	49869967		100.000	

Total unknown % area = 49

Pace Analytical Services, Inc.

SW846-8082

Data file : \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718020.D
Lab Smp Id: 1654792 Client Smp ID: TZ1-170420-01-STB-1
Inj Date : 07-MAR-2018 15:35
Operator : BLM Inst ID: 40GCSJ.i
Smp Info : 1654792,
Misc Info : 17504,BIOTA
Comment :
Method : \\40wintarget\data2\chem\40GCSJ.i\030718.b\pcba030618.m
Meth Date : 22-Mar-2018 14:04 40GCSJ.i Quant Type: ESTD
Cal Date : 06-MAR-2018 19:39 Cal File: 030618066.D
Als bottle: 20 QC Sample: FIELDDUP
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	9.985	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	9627767	0.07809	39			
3 Aroclor 1242					CAS #: 53469-21-9			
Qualifier signal(s) failed ratio test.								BA
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			
Qualifier signal(s) failed ratio test.								BA
6 Aroclor 1248					CAS #: 12672-29-6			
4.262	4.261	0.001	229575	0.09798	49	0.00- 20.00	100.00(M)	BA
4.545	4.546	-0.001	206061	0.04965	25	0.00- 20.00	89.76	BA
4.812	4.812	0.000	148438	0.07312	37	0.00- 20.00	64.66	BA
4.894	4.879	0.015	577523	0.11465	57	0.00- 20.00	251.56	BA
5.036	5.038	-0.002	149231	0.04159	21	0.00- 20.00	65.00	BA
Average of Peak Concentrations =					38			
7 Aroclor 1254					CAS #: 11097-69-1			
5.161	5.162	-0.001	842508	0.16093	80	0.00- 20.00	100.00(M)	CO
5.407	5.408	-0.001	276207	0.06422	32	0.00- 20.00	32.78	CO
5.509	5.510	-0.001	781514	0.10063	50	0.00- 20.00	92.76	CO
6.026	6.027	-0.001	478704	0.09830	49	0.00- 20.00	56.82	CO
6.299	6.299	0.000	0	0.00	0.00	0.00- 20.00	0.00	CO
Average of Peak Concentrations =					53			
8 Aroclor 1260					CAS #: 11096-82-5			
6.299	6.300	-0.001	2182756	0.24630	120	0.00- 20.00	100.00(M)	BA
7.005	7.006	-0.001	1456544	0.14545	73	0.00- 20.00	66.73	BA
7.251	7.251	0.000	543508	0.11371	57	0.00- 20.00	24.90	BA
7.442	7.443	-0.001	846330	0.29033	140	0.00- 20.00	38.77	BA
7.900	7.901	-0.001	681151	0.25814	130	0.00- 20.00	31.21	BA
Average of Peak Concentrations =					100			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
8.571	8.571	0.000	9442336	0.08618	43			

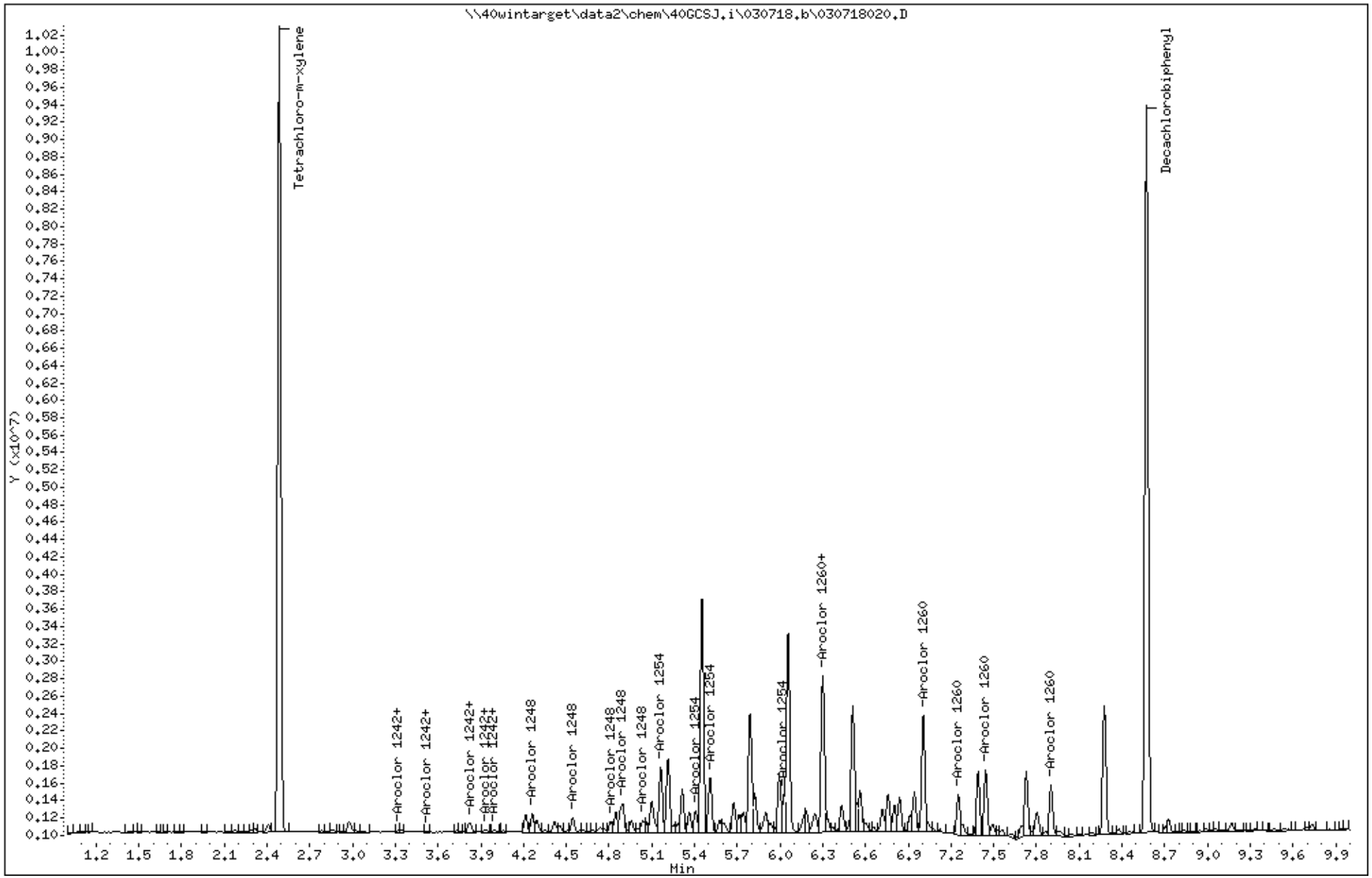
QC Flag Legend

M - Compound response manually integrated.

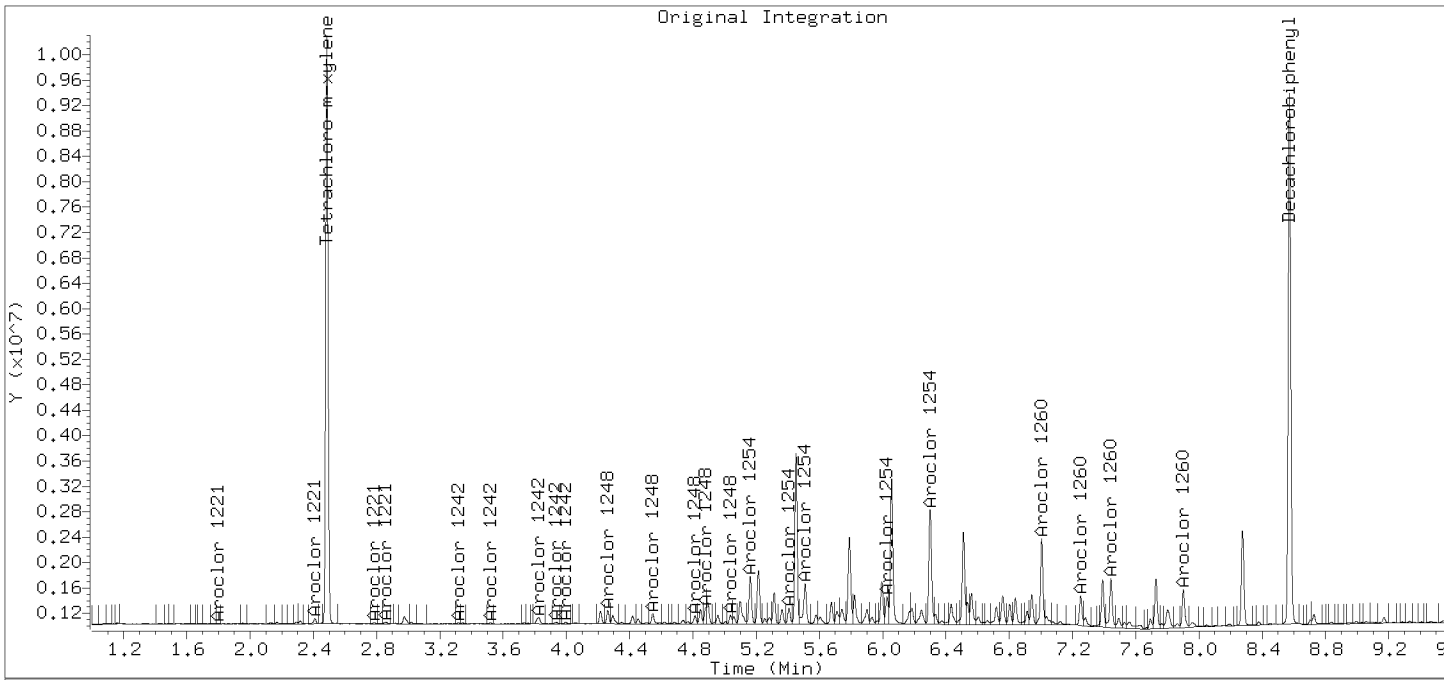
Review Codes Legend

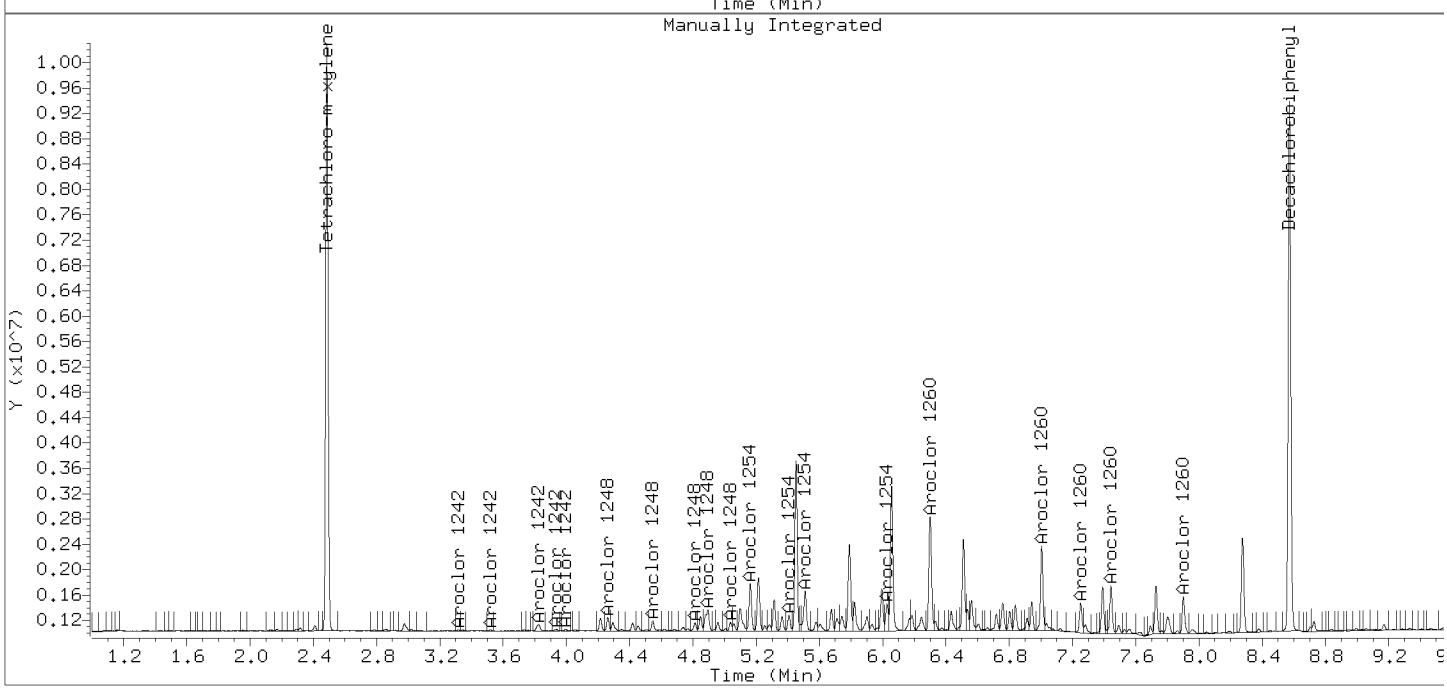
:
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b\030718020.D
Date : 07-MAR-2018 15:35
Client ID: TZ1-170420-01-STB-1
Instrument: 40GCSJ.i
Sample Info: 1654792,
Volume Injected (uL): 1.0
Operator: BLM
Column phase: ZB-1ms
Column diameter: 0.18



Data File: \\40wintarget\data2\chem\40GCSJ.i\030718.b/030718020.D (ManInt: BIOTA.sub Orig: BIOTA.sub)
Injection Date: 07-MAR-2018 15:35 Operator: BLM
Instrument: 40GCSJ.i
Lab Sample ID: 1654792





Manually Integrated Compounds

Compound	Area (before)	Area (after)	Code
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1016	0	0	BA
Aroclor 1221	11502	0	
Aroclor 1221	11502	0	
Aroclor 1221	11502	0	
Aroclor 1221	11502	0	
Aroclor 1221	11502	0	
Aroclor 1232	39037	0	
Aroclor 1232	39037	0	
Aroclor 1232	39037	0	
Aroclor 1232	39037	0	

Aroclor 1232	39037	0	
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1242	0	0	BA
Aroclor 1248	221213	229575	BA
Aroclor 1248	221213	229575	BA
Aroclor 1248	221213	229575	BA
Aroclor 1248	221213	229575	BA
Aroclor 1248	221213	229575	BA
Aroclor 1254	850093	842508	CO
Aroclor 1254	850093	842508	CO
Aroclor 1254	850093	842508	CO
Aroclor 1254	850093	842508	CO
Aroclor 1254	850093	842508	CO
Aroclor 1260	2211911	2182756	BA
Aroclor 1260	2211911	2182756	BA
Aroclor 1260	2211911	2182756	BA
Aroclor 1260	2211911	2182756	BA
Aroclor 1260	2211911	2182756	BA
Tetrachloro-m-xylene	9627767	9627767	
Decachlorobiphenyl	9442336	9442336	

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Prep Log Report

Batch Information: OEXT 282250 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	03/02/2018 06:50:10:904
Spiked By	AMC	Spiked By Date/Time	03/02/2018 06:50:12:008	Witnessed By	BLM	Witnessed By Date/Time	03/02/2018 06:50:12:008
Instrument	40BALL	Conc. Temp #1	40	Conc. Temp #2	40	Methylene Chloride	None Added
Hexane	188917	Sodium Sulfate	186889	Florisil	186910	3620B Date/Initials	3/5/18 AMC
H2SO4 - Conc.	179361	Acid 3665A Date/Initials	3/5/18 AMC	Tuna	None Added	Reviewed By	CAH
Reviewed By Date	03/28/2018 16:09	Batch Notes	Hex/Ace 50:50-190415				

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	**1653810**	10	5	3		189973 (.25)	
8082A TNYP	LCS	**1653811**	10	5	3		189973 (.25)	182336 (.125)
8082A TNYP	PS	**40148598001**	10.0375	5	3		189973 (.25)	
8082A TNYP	PS	**40148598002**	9.9964	5	3		189973 (.25)	
8082A TNYP	PS	**40148598003**	10.0303	5	3		189973 (.25)	
8082A TNYP	PS	**40148598004**	10.0362	5	3		189973 (.25)	
8082A TNYP	RQS	**40148598005**	10.0161	5	3		189973 (.25)	
8082A TNYP	MS	**1653812**	9.9892	5	3		189973 (.25)	182336 (.125)
8082A TNYP	DUP	**1653813**	9.9969	5	3		189973 (.25)	
8082A TNYP	PS	**40148671001**	10.0022	5	3		189973 (.25)	
8082A TNYP	PS	**40148671002**	9.9993	5	3		189973 (.25)	
8082A TNYP	PS	**40148671003**	10.0038	5	3		189973 (.25)	
8082A TNYP	RQS	**40148671004**	9.9888	5	3		189973 (.25)	
8082A TNYP	DUP	**1653814**	9.9904	5	3		189973 (.25)	
8082A TNYP	PS	**40148671005**	10.0329	5	3		189973 (.25)	
8082A TNYP	PS	**40148671006**	9.995	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	**40148722001**	9.9867	5	3		189973 (.25)	
8082A TNYP	PS	**40148722002**	9.9641	5	3		189973 (.25)	
8082A TNYP	PS	**40148722003**	9.9603	5	3		189973 (.25)	
8082A TNYP	PS	**40148722004**	9.9858	5	3		189973 (.25)	
8082A TNYP	PS	**40148722005**	9.96	5	3		189973 (.25)	
8082A TNYP	PS	**40148722006**	10.0363	5	3		189973 (.25)	
8082A TNYP	PS	**40148722007**	10.0057	5	3		189973 (.25)	
8082A TNYP	PS	**40148722008**	9.9787	5	3		189973 (.25)	

Standard Notes:

182336: Ar1242 Spike @20ug/mL 40GCS9. **189973: Pest/PCB Surrogate Spike 40GCSC.**

Prep Log Report

Batch Information: OEXT 282341 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	03/05/2018 07:12:05:305
Spiked By	AMC	Spiked By Date/Time	03/05/2018 07:12:06:417	Witnessed By	BLM	Witnessed By Date/Time	03/05/2018 07:12:06:417
Instrument	40BALL	Conc. Temp #1	40	Conc. Temp #2	40	Methylene Chloride	None Added
Hexane	188917	Sodium Sulfate	186889	Florisil	186910	3620B Date/Initials	3/07/18 AMC
H2SO4 - Conc.	179361	Acid 3665A Date/Initials	3/07/18 AMC	Tuna	None Added	Reviewed By	CAH
Reviewed By Date	03/27/2018 10:15	Batch Notes	Hex/Ace 50:50-190415				

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	**1654789**	10	5	3		189973 (.25)	
8082A TNYP	LCS	**1654790**	10	5	3		189973 (.25)	182336 (.125)
8082A TNYP	RQS	**40148722009**	9.9765	5	3		189973 (.25)	
8082A TNYP	MS	**1654791**	9.9878	5	3		189973 (.25)	182336 (.125)
8082A TNYP	DUP	**1654792**	9.9848	5	3		189973 (.25)	
8082A TNYP	PS	**40150295001**	10.001	5	3		189973 (.25)	
8082A TNYP	PS	**40150295002**	9.996	5	3		189973 (.25)	
8082A TNYP	PS	**40150295003**	9.964	5	3		189973 (.25)	
8082A TNYP	PS	**40150295004**	10.0388	5	3		189973 (.25)	
8082A TNYP	PS	**40150295005**	9.9735	5	3		189973 (.25)	
8082A TNYP	PS	**40150295006**	9.9767	5	3		189973 (.25)	
8082A TNYP	PS	**40150295007**	9.986	5	3		189973 (.25)	
8082A TNYP	PS	**40150295008**	9.9688	5	3		189973 (.25)	
8082A TNYP	RQS	**40150295009**	10.0318	5	3		189973 (.25)	
8082A TNYP	DUP	**1654793**	9.9773	5	3		189973 (.25)	
8082A TNYP	PS	**40150295010**	9.9615	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	**40150295011**	10.0004	5	3		189973 (.25)	
8082A TNYP	PS	**40150295012**	9.9732	5	3		189973 (.25)	
8082A TNYP	PS	**40150295013**	9.9876	5	3		189973 (.25)	
8082A TNYP	PS	**40150295014**	10.0191	5	3		189973 (.25)	
8082A TNYP	PS	**40150295015**	9.9684	5	3		189973 (.25)	
8082A TNYP	PS	**40150295016**	10.0135	5	3		189973 (.25)	
8082A TNYP	PS	**40150295017**	10.0128	5	3		189973 (.25)	
8082A TNYP	PS	**40150295018**	9.9713	5	3		189973 (.25)	

Standard Notes:

182336: Ar1242 Spike @20ug/mL 40GCS9. **189973: Pest/PCB Surrogate Spike 40GCSC.**

```
   Sequence Name: C:\msdchem\1\sequence\030518.s
         Comment:
        Operator:
       Data Path: C:\MSDCHEM\1\DATA\030518\
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  1654574MB
     Datafile          --------
     Method            SCREEN2014
 4) Sample          4  1654575LCS
     Datafile          --------
     Method            SCREEN2014
 5) RearSamp        5  1654576MS
     Datafile          --------
     Method            SCREEN2014
 6) Sample          6  1654577MSD
     Datafile          --------
     Method            SCREEN2014
 7) RearSamp        7  40165301-001
     Datafile          --------
     Method            SCREEN2014
 8) Sample          8  40165355-001
     Datafile          --------
     Method            SCREEN2014
 9) RearSamp        9  40165195-001
     Datafile          --------
     Method            SCREEN2014
10) Sample         10  40165196-001
     Datafile          --------
     Method            SCREEN2014
11) RearSamp       11  40165196-002
     Datafile          --------
     Method            SCREEN2014
12) Sample         12  40165196-003P
     Datafile          --------
     Method            SCREEN2014
13) RearSamp       13  40165196-004
     Datafile          --------
     Method            SCREEN2014
14) Sample         14  40165196-005
     Datafile          --------
     Method            SCREEN2014
15) RearSamp       15  1653810MB
     Datafile          --------
     Method            SCREEN2014
16) Sample         16  1653811LCS
     Datafile          --------
     Method            SCREEN2014
17) RearSamp       17  1653812MS x2
     Datafile          --------
     Method            SCREEN2014
18) Sample         18  40148598-001 —
     Datafile          --------
     Method            SCREEN2014
19) RearSamp       19  40148598-002 —
     Datafile          --------

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PROJECT 40GCSI Screener 03/05/18

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```
      Method                SCREEN2014
20) Sample          20  40148598-003 —
      Datafile            --------
      Method                SCREEN2014
21) RearSamp        21  40148598-004 —
      Datafile            --------
      Method                SCREEN2014
22) Sample          22  40148598-005P/RQS ×2
      Datafile            --------
      Method                SCREEN2014
23) RearSamp        23  1653813DUP ×2
      Datafile            --------
      Method                SCREEN2014
24) Sample          24  40148671-001 —
      Datafile            --------
      Method                SCREEN2014
25) RearSamp        25  40148671-002 —
      Datafile            --------
      Method                SCREEN2014
26) Sample          26  40148671-003 —
      Datafile            --------
      Method                SCREEN2014
27) RearSamp        27  40148671-004RQS —
      Datafile            --------
      Method                SCREEN2014
28) Sample          28  1653814DUP —
      Datafile            --------
      Method                SCREEN2014
29) RearSamp        29  40148671-005 —
      Datafile            --------
      Method                SCREEN2014
30) Sample          30  40148671-006 —
      Datafile            --------
      Method                SCREEN2014
31) RearSamp        31  40148722-001 —
      Datafile            --------
      Method                SCREEN2014
32) Sample          32  40148722-002 —
      Datafile            --------
      Method                SCREEN2014
33) RearSamp        33  40148722-003 ×2
      Datafile            --------
      Method                SCREEN2014
34) Sample          34  40148722-004 —
      Datafile            --------
      Method                SCREEN2014
35) RearSamp        35  40148722-005 —
      Datafile            --------
      Method                SCREEN2014
36) Sample          36  40148722-006 —
      Datafile            --------
      Method                SCREEN2014
37) RearSamp        37  40148722-007 —
      Datafile            --------
      Method                SCREEN2014
38) Sample          38  40148722-008 —
      Datafile            --------
      Method                SCREEN2014
39) RearSamp        39  1655024MB
      Datafile            --------
      Method                SCREEN2014
40) Sample          40  1655025LCS
      Datafile            --------
      Method                SCREEN2014
41) RearSamp        41  1655026MS
      Datafile            --------
      Method                SCREEN2014
42) Sample          42  1655027MSD
      Datafile            --------
      Method                SCREEN2014
43) RearSamp        43  40164936-001
      Datafile            --------

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```
   Sequence Name: C:\msdchem\1\sequence\030718.s
         Comment:
        Operator:
       Data Path: C:\MSDCHEM\1\DATA\030718\
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  1654789MB
     Datafile           --------
     Method             SCREEN2014
 4) Sample          4  1654790LCS
     Datafile           --------
     Method             SCREEN2014
 5) RearSamp        5  1654791MS
     Datafile           --------
     Method             SCREEN2014
 6) Sample          6  40148722-009
     Datafile           --------
     Method             SCREEN2014
 7) RearSamp        7  1654792DUP
     Datafile           --------
     Method             SCREEN2014
 8) Sample          8  40150295-001
     Datafile           --------
     Method             SCREEN2014
 9) RearSamp        9  40150295-002
     Datafile           --------
     Method             SCREEN2014
10) Sample         10  40150295-003
     Datafile           --------
     Method             SCREEN2014
11) RearSamp       11  40150295-004
     Datafile           --------
     Method             SCREEN2014
12) Sample         12  40150295-005
     Datafile           --------
     Method             SCREEN2014
13) RearSamp       13  40150295-006
     Datafile           --------
     Method             SCREEN2014
14) Sample         14  40150295-007
     Datafile           --------
     Method             SCREEN2014
15) RearSamp       15  40150295-008
     Datafile           --------
     Method             SCREEN2014
16) Sample         16  40150295-009
     Datafile           --------
     Method             SCREEN2014
17) RearSamp       17  1654793DUP
     Datafile           --------
     Method             SCREEN2014
18) Sample         18  40150295-010 x2
     Datafile           --------
     Method             SCREEN2014
19) RearSamp       19  40150295-011 x2
     Datafile           --------

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```
      Method                SCREEN2014
20)   Sample        20      40150295-012 —
      Datafile              --------
      Method                SCREEN2014
21)   RearSamp      21      40150295-013 x10
      Datafile              --------
      Method                SCREEN2014
22)   Sample        22      40150295-014 —
      Datafile              --------
      Method                SCREEN2014
23)   RearSamp      23      40150295-015 x2
      Datafile              --------
      Method                SCREEN2014
24)   Sample        24      40150295-016 —
      Datafile              --------
      Method                SCREEN2014
25)   RearSamp      25      40150295-017 —
      Datafile              --------
      Method                SCREEN2014
26)   Sample        26      40150295-018 —
      Datafile              --------
      Method                SCREEN2014
```

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```
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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```
      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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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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```

BLM 3/7/18

Continued on Page —

Read and Understood By

Beyza Meyl — Signed — 3/7/18 Date — Signed — 3/7/18 Date

```
   Sequence Name: C:\msdchem\1\sequence\030718.s
         Comment:
        Operator: BLM
       Data Path: C:\MSDCHEM\1\DATA\030718\
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          030718001
     Method            GEBIOTA2017
 3) Sample          2  prime
     Datafile          030718002
     Method            GEBIOTA2017
 4) RearSamp        3  HEXANE
     Datafile          030718003
     Method            GEBIOTA2017
 5) Sample          4  HEXANE
     Datafile          030718004
     Method            GEBIOTA2017
 6) RearSamp        5  HEXANE
     Datafile          030718005
     Method            GEBIOTA2017
 7) Sample          6  HEXANE
     Datafile          030718006
     Method            GEBIOTA2017
 8) RearSamp        7  1221-CCV,185538:1,17499,AR122 ok
     Datafile          030718007
     Method            GEBIOTA2017
 9) Sample          8  1221-CCV,185538:1,17498,AR122 ok
     Datafile          030718008
     Method            GEBIOTA2017
10) RearSamp        9  1221-CCV,185538:1,17499,AR122 ok
     Datafile          030718009
     Method            GEBIOTA2017
11) Sample         10  1221-CCV,185538:1,17498,AR122 ok
     Datafile          030718010
     Method            GEBIOTA2017
12) RearSamp       11  1653810,,17493,BIOTA
     Datafile          030718011
     Method            GEBIOTA2017
13) Sample         12  1654789,,17504,BIOTA
     Datafile          030718012
     Method            GEBIOTA2017
14) RearSamp       13  1653811,,17493,BIOTA
     Datafile          030718013
     Method            GEBIOTA2017
15) Sample         14  1654790,,17504,BIOTA
     Datafile          030718014
     Method            GEBIOTA2017
16) RearSamp       15  1653812 x2,,17493,BIOTA
     Datafile          030718015
     Method            GEBIOTA2017
17) Sample         16  1654791,,17504,BIOTA
     Datafile          030718016
     Method            GEBIOTA2017
18) RearSamp       17  40148598001,,17493,BIOTA
     Datafile          030718017
     Method            GEBIOTA2017
19) Sample         18  40148722009,,17504,BIOTA
     Datafile          030718018
     Method            GEBIOTA2017
20) RearSamp       19  40148598002,,17493,BIOTA

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```

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Read and Understood By

Bryan Mayl — Signed — 3/8/18 — Date

Jim O'Connor — Signed — 3-8-18 — Date

```
      Datafile          030718019
      Method            GEBIOTA2017
21) Sample        20    1654792,,17504,BIOTA
      Datafile          030718020
      Method            GEBIOTA2017
22) RearSamp      21    40148598003,,17493,BIOTA
      Datafile          030718021
      Method            GEBIOTA2017
23) Sample        22    40150295001,,17504,BIOTA
      Datafile          030718022
      Method            GEBIOTA2017
24) RearSamp      23    40148598004,,17493,BIOTA
      Datafile          030718023
      Method            GEBIOTA2017
25) Sample        24    40150295002,,17504,BIOTA
      Datafile          030718024
      Method            GEBIOTA2017
26) RearSamp      25    40148598005 x2,,17493,BIOTA
      Datafile          030718025
      Method            GEBIOTA2017
27) Sample        26    40150295003,,17504,BIOTA
      Datafile          030718026
      Method            GEBIOTA2017
28) RearSamp      27    1653813 x2,,17493,BIOTA
      Datafile          030718027
      Method            GEBIOTA2017
29) Sample        28    40150295004,,17504,BIOTA
      Datafile          030718028
      Method            GEBIOTA2017
30) RearSamp      29    40148671001,,17493,BIOTA
      Datafile          030718029
      Method            GEBIOTA2017
31) Sample        30    40150295005,,17504,BIOTA
      Datafile          030718030
      Method            GEBIOTA2017
32) RearSamp      31    1232-CCV,185539:1,17499,AR123 ok
      Datafile          030718031
      Method            GEBIOTA2017
33) Sample        32    1232-CCV,185539:1,17498,AR123 ok
      Datafile          030718032
      Method            GEBIOTA2017
34) RearSamp      33    1232-CCV,185539:1,17499,AR123 ok
      Datafile          030718033
      Method            GEBIOTA2017
35) Sample        34    1232-CCV,185539:1,17498,AR123 ok
      Datafile          030718034
      Method            GEBIOTA2017
36) RearSamp      35    40148671002,,17493,BIOTA
      Datafile          030718035
      Method            GEBIOTA2017
37) Sample        36    40150295006,,17504,BIOTA
      Datafile          030718036
      Method            GEBIOTA2017
38) RearSamp      37    40148671003,,17493,BIOTA
      Datafile          030718037
      Method            GEBIOTA2017
39) Sample        38    40150295007,,17504,BIOTA
      Datafile          030718038
      Method            GEBIOTA2017
40) RearSamp      39    40148671004,,17493,BIOTA
      Datafile          030718039
      Method            GEBIOTA2017
41) Sample        40    40150295008,,17504,BIOTA
      Datafile          030718040
      Method            GEBIOTA2017
42) RearSamp      41    1653814,,17493,BIOTA
      Datafile          030718041
      Method            GEBIOTA2017
43) Sample        42    40150295009,,17504,BIOTA
      Datafile          030718042
      Method            GEBIOTA2017

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```

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Read and Understood By

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Jim O'Connor — Signed — 3-8-18 — Date

Sequence Name: C:\msdchem\1\sequence\030718.s

	Line Type	Vial	DataFile Method	Sample Name
44)	RearSamp	43	40148671005,,17493,BIOTA	
	Datafile		030718043	
	Method		GEBIOTA2017	
45)	Sample	44	1654793,,17504,BIOTA	
	Datafile		030718044	
	Method		GEBIOTA2017	
46)	RearSamp	45	40148671006,,17493,BIOTA	
	Datafile		030718045	
	Method		GEBIOTA2017	
47)	Sample	46	40150295010 x2,,17504,BIOTA	
	Datafile		030718046	
	Method		GEBIOTA2017	
48)	RearSamp	47	40148722001,,17493,BIOTA	
	Datafile		030718047	
	Method		GEBIOTA2017	
49)	Sample	48	40150295011 x2,,17504,BIOTA	
	Datafile		030718048	
	Method		GEBIOTA2017	
50)	RearSamp	49	40148722002,,17493,BIOTA	
	Datafile		030718049	
	Method		GEBIOTA2017	
51)	Sample	50	40150295012,,17504,BIOTA	
	Datafile		030718050	
	Method		GEBIOTA2017	
52)	RearSamp	51	40148722003 x2,,17493,BIOTA	
	Datafile		030718051	
	Method		GEBIOTA2017	
53)	Sample	52	40150295013 x10,,17504,BIOTA	
	Datafile		030718052	
	Method		GEBIOTA2017	
54)	RearSamp	53	40148722004,,17493,BIOTA	
	Datafile		030718053	
	Method		GEBIOTA2017	
55)	Sample	54	40150295014,,17504,BIOTA	
	Datafile		030718054	
	Method		GEBIOTA2017	
56)	RearSamp	55	1242-CCV,185544:1,17499,AR124 ok	
	Datafile		030718055	
	Method		GEBIOTA2017	
57)	Sample	56	1242-CCV,185544:1,17498,AR124 ok	
	Datafile		030718056	
	Method		GEBIOTA2017	
58)	RearSamp	57	1242-CCV,185544:1,17499,AR124 ok	
	Datafile		030718057	
	Method		GEBIOTA2017	
59)	Sample	58	1242-CCV,185544:1,17498,AR124 ok	
	Datafile		030718058	
	Method		GEBIOTA2017	
60)	RearSamp	59	40148722005,,17493,BIOTA	
	Datafile		030718059	
	Method		GEBIOTA2017	
61)	Sample	60	40150295015 x2,,17504,BIOTA	
	Datafile		030718060	
	Method		GEBIOTA2017	
62)	RearSamp	61	40148722006,,17493,BIOTA	
	Datafile		030718061	
	Method		GEBIOTA2017	
63)	Sample	62	40150295016,,17504,BIOTA	
	Datafile		030718062	
	Method		GEBIOTA2017	
64)	RearSamp	63	40148722007,,17493,BIOTA	
	Datafile		030718063	
	Method		GEBIOTA2017	
65)	Sample	64	40150295017,,17504,BIOTA	
	Datafile		030718064	
	Method		GEBIOTA2017	
66)	RearSamp	65	40148722008,,17493,BIOTA	
	Datafile		030718065	

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```
      Method          GEBIOTA2017
67) Sample        66  40150295018,,17504,BIOTA
      Datafile        030718066
      Method          GEBIOTA2017
68) RearSamp      67  1248-CCV,185549:1,17499,AR124 OK
      Datafile        030718067
      Method          GEBIOTA2017
69) Sample        68  1248-CCV,185549:1,17498,AR124 OK
      Datafile        030718068
      Method          GEBIOTA2017
70) RearSamp      69  1248-CCV,185549:1,17499,AR124 OK
      Datafile        030718069
      Method          GEBIOTA2017
71) Sample        70  1248-CCV,185549:1,17498,AR124 OK
      Datafile        030718070
      Method          GEBIOTA2017
```

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Read and Understood By

Signed 3/8/18 Date Signed 3-8-18 Date

Standard Log Report

Standards Log Information for Standard #190415

WORKING STANDARD

Created By:	AMC	**Volume of Standard:**	4 L	**Lot ID:**	NA
Create Date:	03/02/2018	**Manufacturer:**	N/A	**Part ID:**	N/A
Expire Date:	09/02/2018	**Manufacturer Lot ID:**	N/A	**Standard ID:**	RGNT498

Notes:

Hexane/Acetone 1:1 By AMC

Compound Name and Concentration for Standard #190415

Compound Name	Concentration	Compound Name	Concentration
Acetone	ug/mL	Hexanes	ug/mL

Composed of Information for Standard #190415

Composed of Standard Seq	Volume	Units
189478	2000	mL
188917	2000	mL

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 #189478

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 #189478

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 #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 #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 #188141

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:**	1221-CAL5

Notes:

1221 Cal 5 Std @ 1.0 ug/mL

Compound Name and Concentration for Standard #188141

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.15 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	1 ug/mL	PCB-1221 (Aroclor 1221)-1	1 ug/mL
PCB-1221 (Aroclor 1221)-2	1 ug/mL	PCB-1221 (Aroclor 1221)-3	1 ug/mL
PCB-1221 (Aroclor 1221)-4	1 ug/mL	PCB-1232 (Aroclor 1232)-5	1 ug/mL
Tetrachloro-m-xylene (S)	.15 ug/mL		

Composed of Information for Standard #188141

Composed of Standard Seq	Volume	Units
188129	1500	uL
185526	1000	uL
184640	97.5	mL

Standard Log Report

Standards Log Information for Standard #188140

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:**	1221-CAL4

Notes:

1221 Cal 4 Std @ 0.8 ug/mL

Compound Name and Concentration for Standard #188140

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.1 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	.8 ug/mL	PCB-1221 (Aroclor 1221)-1	.8 ug/mL
PCB-1221 (Aroclor 1221)-2	.8 ug/mL	PCB-1221 (Aroclor 1221)-3	.8 ug/mL
PCB-1221 (Aroclor 1221)-4	.8 ug/mL	PCB-1232 (Aroclor 1232)-5	.8 ug/mL
Tetrachloro-m-xylene (S)	.1 ug/mL		

Composed of Information for Standard #188140

Composed of Standard Seq	Volume	Units
188129	1000	uL
185526	800	uL
184640	98.2	mL

Standard Log Report

Standards Log Information for Standard #188139

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:**	1221-CAL2

Notes:

1221 Cal 2 Std @ 0.2 ug/mL

Compound Name and Concentration for Standard #188139

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.02 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	.2 ug/mL	PCB-1221 (Aroclor 1221)-1	.2 ug/mL
PCB-1221 (Aroclor 1221)-2	.2 ug/mL	PCB-1221 (Aroclor 1221)-3	.2 ug/mL
PCB-1221 (Aroclor 1221)-4	.2 ug/mL	PCB-1232 (Aroclor 1232)-5	.2 ug/mL
Tetrachloro-m-xylene (S)	.02 ug/mL		

Composed of Information for Standard #188139

Composed of Standard Seq	Volume	Units
188129	200	uL
185526	200	uL
184640	99.6	mL

Standard Log Report

Standards Log Information for Standard #188138

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:**	1221-CAL1

Notes:

NY 1221 Cal 1 Std @ 0.1 ug/mL

Compound Name and Concentration for Standard #188138

Compound Name	Concentration	Compound Name	Concentration
Decachlorobiphenyl (S)	.01 ug/mL	Hexanes	ug/mL
PCB-1221 (Aroclor 1221)	.1 ug/mL	PCB-1221 (Aroclor 1221)-1	.1 ug/mL
PCB-1221 (Aroclor 1221)-2	.1 ug/mL	PCB-1221 (Aroclor 1221)-3	.1 ug/mL
PCB-1221 (Aroclor 1221)-4	.1 ug/mL	PCB-1232 (Aroclor 1232)-5	.1 ug/mL
Tetrachloro-m-xylene (S)	.01 ug/mL		

Composed of Information for Standard #188138

Composed of Standard Seq	Volume	Units
188129	100	uL
185526	100	uL
184640	99.8	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 #186889

STOCK STANDARD

Created By:	MRN	**Volume of Standard:**	45.5 kg	**Lot ID:**	405550
Create Date:	01/11/2018	**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 #186889

Compound Name	Concentration	Compound Name	Concentration
Sodium Sulfate			

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

The standards listed are from Pace's Green Bay Laboratory.

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

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

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

The standards listed are from Pace's Green Bay Laboratory.

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

The standards listed are from Pace's Green Bay Laboratory.

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

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

The standards listed are from Pace's Green Bay Laboratory.

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		

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		

The standards listed are from Pace's Green Bay Laboratory.

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		

405214
REC. 03/27/17 BY MRM
Exp. __/__/__ By __

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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 --

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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

www.restek.com

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)

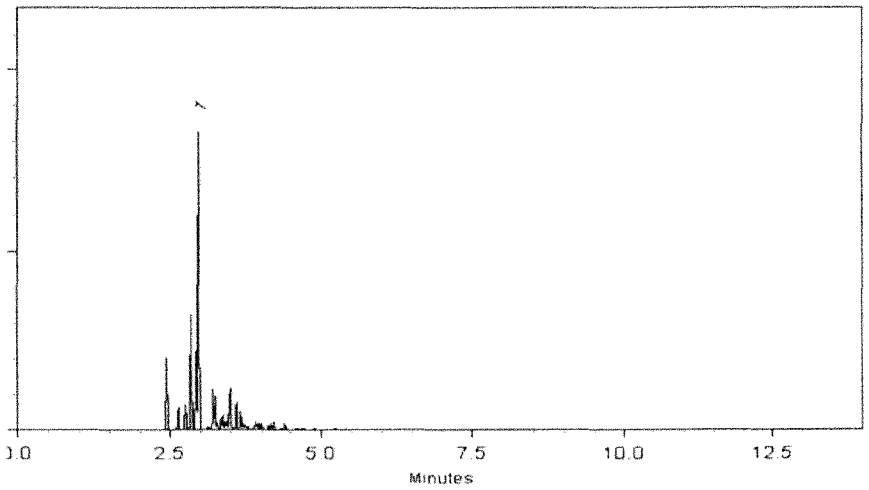
Carrier Gas:
helium-constant pressure 20 psi.

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

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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Bellefonte, PA 16823-8812
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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. : 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)

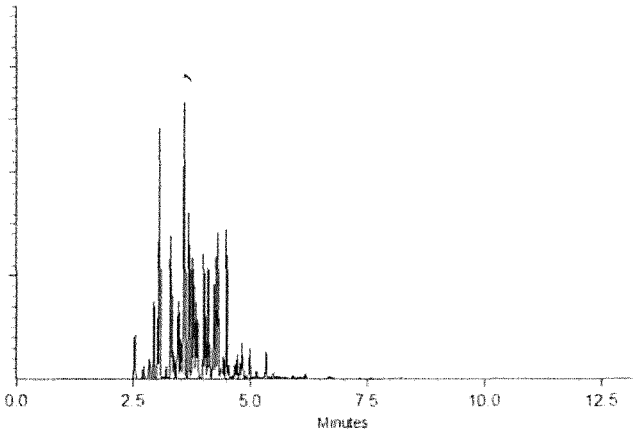
Carrier Gas:
helium-constant pressure 20 psi.

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

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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Fax: (814)353-1309

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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. : 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)

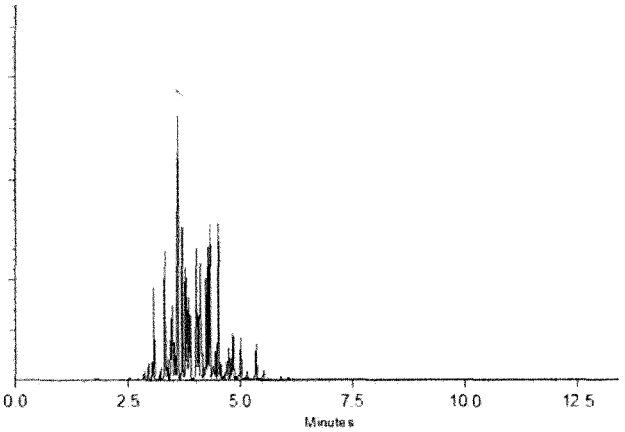
Carrier Gas:
helium-constant pressure 20 psi.

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

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)

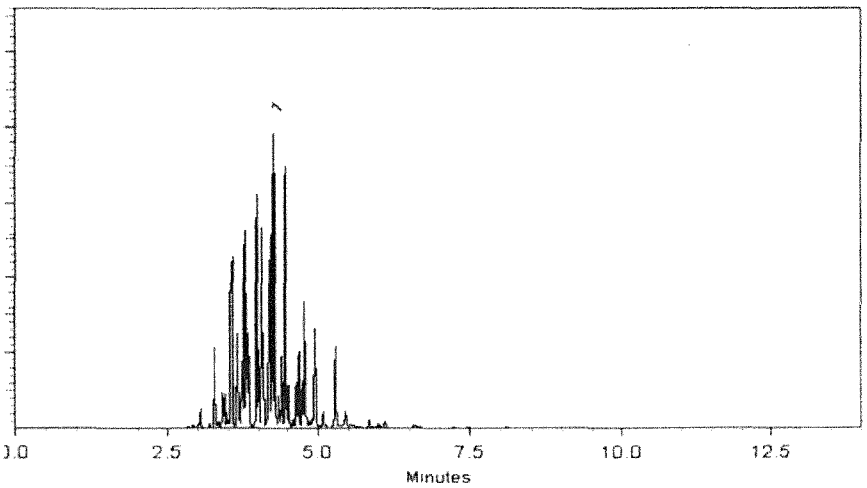
Carrier Gas:
helium-constant pressure 20 psi.

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

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)

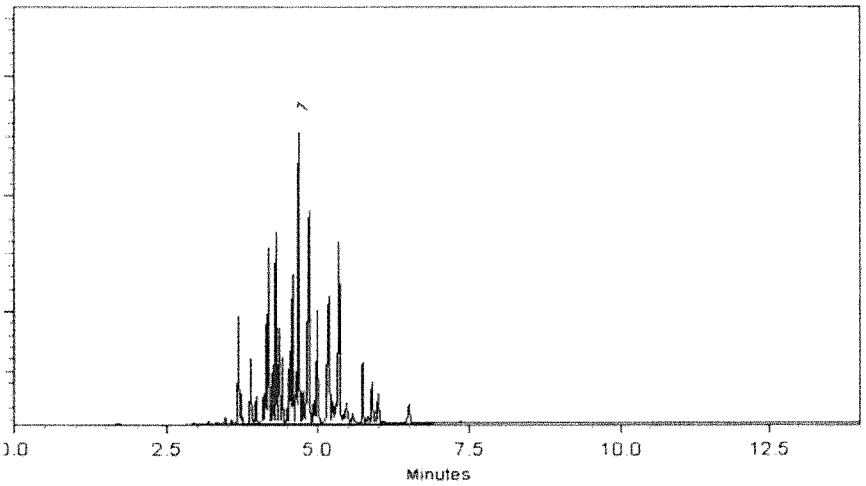
Carrier Gas:
helium-constant pressure 20 psi.

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** 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)

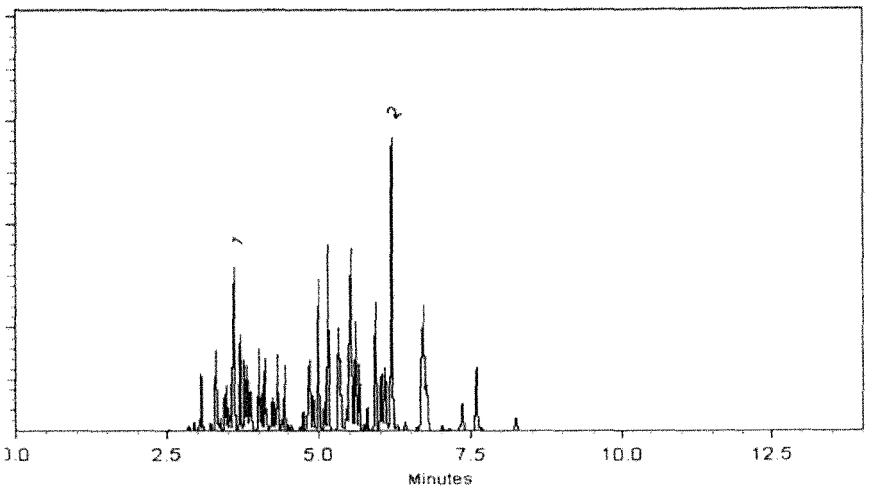
Carrier Gas:
helium-constant pressure 20 psi.

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
Certificate #FM 80397

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Date Received: _____

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Rev 0

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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Rev 0

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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Rev 0

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

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	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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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.:** 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)

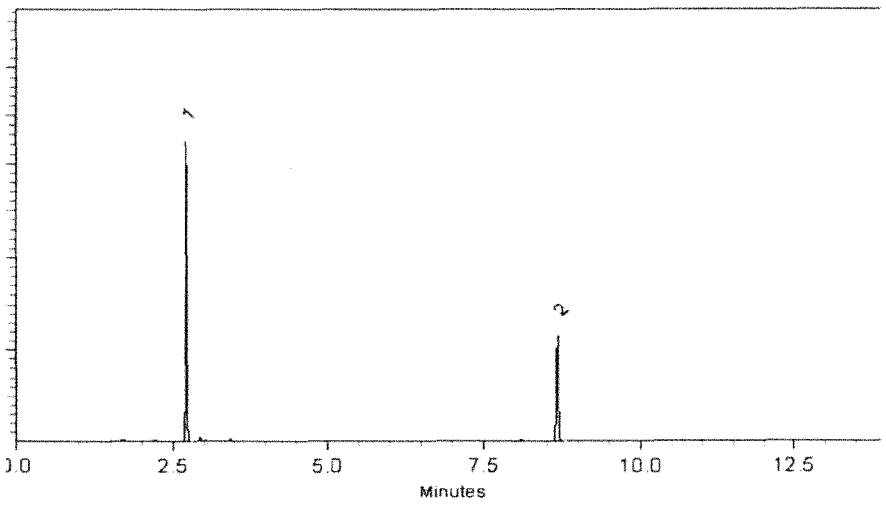
Carrier Gas:
helium-constant pressure 20 psi.

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 --

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Fax: (231) 728-8226
www.lab-honeywell.com

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 --
Open / / 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

405550
REC. 10/16/17 BY MRN
Exp. --/--/-- By --
Open --/--/-- 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
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

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)

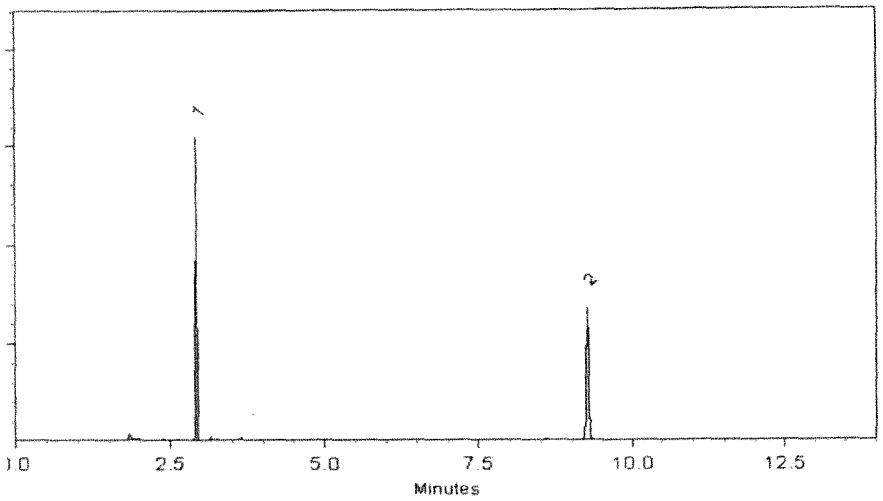
Carrier Gas:
helium-constant pressure 20 psi.

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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3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

o2si smart solutions®

Quality System Audited & Registered by NSF-ISR to ISO 9001:2008

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

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.

TZ1-170420-01-STB-20

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	2.5		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-19

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	2.1		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-18

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	3.6		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-17

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	2.6		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-16

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	2.3		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-15

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	2.3		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-14

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722007 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	4.0		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-13

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	0.75		%	1	03/07/2018 06:41

SAMPLE NO.

TZ1-170420-01-STB-12

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Lab Sample ID: 40148722009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Lipid	3.4		%	1	03/07/2018 07:13

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract : HUDSON RIVER REMEDIAL ACTION M

Method Blank Matrix: Tissue Instrument ID: 40BALL

Method Blank Concentration Units: %

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1653924	C
Lipid									<0.030	U

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract : HUDSON RIVER REMEDIAL ACTION M

Method Blank Matrix: Tissue Instrument ID: 40BALL

Method Blank Concentration Units: %

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1654892	C
Lipid									<0.030	U

SAMPLE NO.

1653927DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	2.7	2.1	25

SAMPLE NO.

1653928DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	1.6	2.2	27

SAMPLE NO.

1654895DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	3.4	2.5	29

SAMPLE NO.

1654896DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Green Bay SDG No. : 40148722 Contract: HUDSON RIVER REMEDIAL

Matrix: Tissue Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Lipid	40	2.6	1.7	39

Prep Log Report

Batch Information: OEXT 282285 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	05/01/2018 10:01				

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	**1653924**	Y	-0.005000	03/07/2018 06:41:31		10	5	1	0.9316	0.9315	M	
LIPID	BLANK	**1653925**	Y	-0.005000	03/07/2018 06:41:31		10	5	1	0.9331	0.933	M	
LIPID	PS	**40148598001**	Y	1.863	03/07/2018 06:41:31		10.0375	5	1	0.9321	0.9695	M	
LIPID	PS	**40148598002**	Y	0.3401	03/07/2018 06:41:31		9.9964	5	1	0.9322	0.939	M	
LIPID	PS	**40148598003**	Y	1.615	03/07/2018 06:41:31		10.0303	5	1	0.9311	0.9635	M	
LIPID	PS	**40148598004**	Y	4.808	03/07/2018 06:41:31		10.0362	5	1	0.9307	1.0272	M	
LIPID	RQS	**40148598005**	Y	2.671	03/07/2018 06:41:31		10.0161	5	1	0.9313	0.9848	M	
LIPID	DUP	**1653927**	Y	2.076	03/07/2018 06:41:31		9.9969	5	1	0.9346	0.9761	M	
LIPID	PS	**40148671001**	Y	1.520	03/07/2018 06:41:31		10.0022	5	1	0.9343	0.9647	M	
LIPID	PS	**40148671002**	Y	3.880	03/07/2018 06:41:31		9.9993	5	1	0.9353	1.0129	M	
LIPID	PS	**40148671003**	Y	0.5298	03/07/2018 06:41:31		10.0038	5	1	0.9329	0.9435	M	
LIPID	RQS	**40148671004**	Y	1.647	03/07/2018 06:41:31		9.9888	5	1	0.9328	0.9657	M	
LIPID	DUP	**1653928**	Y	2.152	03/07/2018 06:41:31		9.9904	5	1	0.9365	0.9795	M	
LIPID	PS	**40148671005**	Y	1.605	03/07/2018 06:41:31		10.0329	5	1	0.9322	0.9644	M	
LIPID	PS	**40148671006**	Y	6.228	03/07/2018 06:41:31		9.995	5	1	0.9322	1.0567	M	
LIPID	PS	**40148722001**	Y	2.478	03/07/2018 06:41:31		9.9867	5	1	0.9354	0.9849	M	
LIPID	PS	**40148722002**	Y	2.118	03/07/2018 06:41:31		9.9641	5	1	0.9316	0.9738	M	
LIPID	PS	**40148722003**	Y	3.594	03/07/2018 06:41:31		9.9603	5	1	0.9331	1.0047	M	
LIPID	PS	**40148722004**	Y	2.644	03/07/2018 06:41:31		9.9858	5	1	0.9324	0.9852	M	

Prep Log Report

40148722

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	PS	**40148722005**	Y	2.339	03/07/2018 06:41:31		9.96	5	1	0.9329	0.9795	M	
LIPID	PS	**40148722006**	Y	2.337	03/07/2018 06:41:31		10.0363	5	1	0.9276	0.9745	M	
LIPID	PS	**40148722007**	Y	3.963	03/07/2018 06:41:31		10.0057	5	1	0.937	1.0163	M	
LIPID	PS	**40148722008**	Y	0.7466	03/07/2018 06:41:31		9.9787	5	1	0.9308	0.9457	M	
LIPID	MS	**1682000**	Y	2.478	03/07/2018 06:41:31		9.9892	5	1	.9346	0.9841	M	

Prep Log Report

Batch Information: OEXT 282377 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 13:02				

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Lipid % Posted	Run Date/Time	ID	Sample Weight (g)	Sample Volume (mL)	Aliquot (mL)	Dish Weight (g)	Dry Weight 1 (g)	Dry Wt Use 1	Sample Notes
LIPID	BLANK	**1654892**	Y	0.000	03/07/2018 07:13:19		10	5	1	0.9282	0.9282	M	
LIPID	BLANK	**1654893**	Y	0.01500	03/07/2018 07:13:19		10	5	1	0.9312	0.9315	M	
LIPID	RQS	**40148722009**	Y	3.408	03/07/2018 07:13:19		9.9765	5	1	0.9296	0.9976	M	
LIPID	DUP	**1654895**	Y	2.534	03/07/2018 07:13:19		9.9848	5	1	0.9316	0.9822	M	
LIPID	PS	**40150295001**	Y	4.205	03/07/2018 07:13:19		10.001	5	1	0.9314	1.0155	M	
LIPID	PS	**40150295002**	Y	1.005	03/07/2018 07:13:19		9.996	5	1	0.9307	0.9508	M	
LIPID	PS	**40150295003**	Y	2.379	03/07/2018 07:13:19		9.964	5	1	0.9327	0.9801	M	
LIPID	PS	**40150295004**	Y	0.6425	03/07/2018 07:13:19		10.0388	5	1	0.9315	0.9444	M	
LIPID	PS	**40150295005**	Y	0.5314	03/07/2018 07:13:19		9.9735	5	1	0.9336	0.9442	M	
LIPID	PS	**40150295006**	Y	2.150	03/07/2018 07:13:19		9.9767	5	1	0.9295	0.9724	M	
LIPID	PS	**40150295007**	Y	0.4657	03/07/2018 07:13:19		9.986	5	1	0.9347	0.944	M	
LIPID	PS	**40150295008**	Y	1.189	03/07/2018 07:13:19		9.9688	5	1	0.9248	0.9485	M	
LIPID	RQS	**40150295009**	Y	2.572	03/07/2018 07:13:19		10.0318	5	1	0.9275	0.9791	M	
LIPID	DUP	**1654896**	Y	1.724	03/07/2018 07:13:19		9.9773	5	1	0.9297	0.9641	M	
LIPID	PS	**40150295010**	Y	1.747	03/07/2018 07:13:19		9.9615	5	1	0.9227	0.9575	M	
LIPID	PS	**40150295011**	Y	0.3850	03/07/2018 07:13:19		10.0004	5	1	0.9292	0.9369	M	
LIPID	PS	**40150295012**	Y	3.585	03/07/2018 07:13:19		9.9732	5	1	0.9254	0.9969	M	
LIPID	PS	**40150295013**	Y	2.463	03/07/2018 07:13:19		9.9876	5	1	0.9275	0.9767	M	
LIPID	PS	**40150295014**	Y	1.542	03/07/2018 07:13:19		10.0191	5	1	0.9294	0.9603	M	

Prep Log Report

40148722

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	PS	**40150295015**	Y	1.028	03/07/2018 07:13:19		9.9684	5	1	0.9355	0.956	M	
LIPID	PS	**40150295016**	Y	3.615	03/07/2018 07:13:19		10.0135	5	1	0.929	1.0014	M	
LIPID	PS	**40150295017**	Y	0.5493	03/07/2018 07:13:19		10.0128	5	1	0.9238	0.9348	M	
LIPID	PS	**40150295018**	Y	1.188	03/07/2018 07:13:19		9.9713	5	1	0.9257	0.9494	M	
LIPID	MS	**1682435**	Y	2.663	03/07/2018 07:13:19		9.9878	5	1	0.9367	0.9899	M	

40148722

Client Name: GE
Project #: 40148722
Date/Time Removed to Thaw: 02-19-18
Date/Time Prepped: 02-20-18
Prepped by: CWN + JL + RM
Location: 40FRG21 / Room Temperature (circle one)

Pace Analytical™

Biota Homogenization Log (NYDOH Method)

Logbook: 4407

Sample ID	Sample Type (Fish, Eggs, etc.)	Scales/Skin Removed (Y/N)	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/I[3]	Fillet Weight (g)	Left/Both Fillet[1]?	Container Code[2]	Picture of Jars/Weight Taken? (Y/N)	Weight of homogenized Sample (g)	Composite Sample (> 1 per Sample ID) (Y/N)	Sample Comments
1	Fish	Y	F	Y	8008.8	Y	M	1585.6	(Left) / Both	32AG	Y	1557.6	N	Robo 3jars
2	Fish	Y	F	Y	9856.6	Y	F	2077.1	(Left) / Both	32AG	Y	2029.7	N	Robo 3jars
3	Fish	Y	F	Y	10157.2	Y	F	1833.7	(Left) / Both	32AG	Y	1802.5	N	Robo 3jars
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
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					CWN	02-22-18			Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
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									Left / Both					
									Left / Both					
									Left / Both					

(1) If left fillet weight is under 40g, the right fillet in included in the sample weight.
(2) 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	
32AG	32 oz Amber Glass	J-4-338-02AB

(3) M = Male, F = Female, I = Indeterminate

Reviewed By: [signature]
Date: 3/16/18

F-GB-O-153-REV.00 (08Feb2018)
Pace Analytical Services, LLC - Green Bay, WI

40148722

Client Name: GS
Project #: 40148722
Date/Time Removed to Thaw: 02-19-18
Date/Time Prepped: 02-21-18
Prepped by: CWN + JL + RM
Location: 40FRG21 / Room Temperature (circle one)

Pace Analytical

Biota Homogenization Log (NYDOH Method)

Logbook: 4407

Sample ID	Sample Type (Fish, Eggs, etc.)	Scales/Skin Removed (Y/N)	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/I[3]	Fillet Weight (g)	Left/Both Fillet[1]?	Container Code[2]	Picture of Jars/Weight Taken? (Y/N)	Weight of homogenized Sample (g)	Composite Sample (> 1 per Sample ID) (Y/N)	Sample Comments
4	Fish	Y	F	Y	8527.3	Y	F	1660.8	Left / Both	32 AG	Y	1625.4	N	Robo 3 jars
5	Fish	Y	F	Y	3890.4	Y	M	800.9	Left / Both	32 AG	Y	770.4	N	Robo 2 jars
6	Fish	Y	F	Y	7687.6	Y	F	1573.5	Left / Both	32 AG	Y	1537.5	N	Robo 3 jars
7	Fish	Y	F	Y	2403.5	Y	U ~~M~~ SWW 036	603.4	Left / Both	32 AG	Y	587.8	N	Robo 3
8	Fish	Y	F	Y	7273.0	Y	M	1518.8	Left / Both	32 AG	Y	1474.1	N	Robo 3 jars
9	Fish	Y	F	Y	15305.5	Y	F	3478.6	Left / Both	32 AG	Y	3400.3	N	Robo, 5 jars
									Left / Both					Whole body too
									Left / Both					large for scale.
									Left / Both					Took left fillet
									Left / Both					& carcass weight
									Left / Both					to calculate
									Left / Both					whole weight
									Left / Both					11826.9 + 3478.6
									Left / Both					= 15305.5
					CWN	02-22-18			Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					
									Left / Both					

(1) If left fillet weight is under 40g, the right fillet in included in the sample weight.
(2) 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	
32AG	32 oz Amber Glass	J-4-338-02 AB

(3) M = Male, F = Female, I = Indeterminate

Reviewed By

Date 3/16/18

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Pace Analytical Services, LLC - Green Bay, WI