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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 05/15/17

SDG# ATE46

GROUP	SAMPLE NUMBERS
1802525	8998314-8998331

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-13-10
AZ Cert. # AZ0780

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by: Dana M Kauffman **Date: 06/08/2017**

Dana M. Kauffman
Manager

Any questions or concerns you might have regarding this data package should be directed to your client representative, Loran Carter at (717) 556-7252.

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Sample Reference List for SDG Number ATE46
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
8998314	E-12(0.0-0.3)	05/15/2017 15:45	05/17/2017 18:30
8998315	E-12(0.0-0.3)MS	05/15/2017 15:45	05/17/2017 18:30
8998316	E-12(0.0-0.3)MSD	05/15/2017 15:45	05/17/2017 18:30
8998317	DUP-4	05/15/2017 15:45	05/17/2017 18:30
8998318	E-12(0.5-0.8)	05/15/2017 15:47	05/17/2017 18:30
8998319	E-12(1.0-1.3)	05/15/2017 15:47	05/17/2017 18:30
8998320	E-12(1.5-1.8)	05/15/2017 15:49	05/17/2017 18:30
8998321	E-13(0.0-0.3)	05/15/2017 15:52	05/17/2017 18:30
8998322	E-13(0.5-0.8)	05/15/2017 15:53	05/17/2017 18:30
8998323	E-14(0.0-0.3)	05/15/2017 15:55	05/17/2017 18:30
8998324	E-14(0.5-0.8)	05/15/2017 15:56	05/17/2017 18:30
8998325	E-15(0.0-0.3)	05/15/2017 15:57	05/17/2017 18:30
8998326	E-15(0.5-0.8)	05/15/2017 15:58	05/17/2017 18:30
8998327	F-12(0.0-0.3)	05/15/2017 16:15	05/17/2017 18:30
8998328	F-12(0.5-0.8)	05/15/2017 16:16	05/17/2017 18:30
8998329	F-13(0.0-0.3)	05/15/2017 16:11	05/17/2017 18:30
8998330	F-13(0.5-0.8)	05/15/2017 16:12	05/17/2017 18:30
8998331	F-14(0.0-0.3)	05/15/2017 16:07	05/17/2017 18:30

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14248 PCB 10g Sonication Ext

Pesticides and/or PCBs are extracted from the sample using sonic probe with 1:1 methylene chloride and acetone. The extract is then concentrated and exchanged to hexane. Sulfuric acid, copper and florisil cleanups are performed to minimize matrix interferences.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 3550B, December 1996.

10225 PCBs in Solids by 8082/3550

The sample is solvent-extracted and exchanged to hexane. Sulfuric acid and Florisil cleanups are performed to reduce potential matrix interferences. The extract is analyzed using gas chromatography on two capillary columns (primary and confirmation) with electron capture detectors.

Reference: Test Methods for Evaluating Solid Waste, SW-846 Method 8082, December 1996.

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

A well-mixed sample is placed in a tared container and dried to a constant weight in an oven at 103-105C. The increase in weight is the total solids.

Reference: Standard Methods for the Examination of Water and Wastewater, 22nd Edition, 2012, Method 2540 G-1997

Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: May 25, 2017

Project: Amtrak Wilmington

Submittal Date: 05/17/2017
Group Number: 1802525
SDG: ATE46
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
E-12(0.0-0.3) Grab Soil	8998314
E-12(0.0-0.3)MS Grab Soil	8998315
E-12(0.0-0.3)MSD Grab Soil	8998316
DUP-4 Grab Soil	8998317
E-12(0.5-0.8) Grab Soil	8998318
E-12(1.0-1.3) Grab Soil	8998319
E-12(1.5-1.8) Grab Soil	8998320
E-13(0.0-0.3) Grab Soil	8998321
E-13(0.5-0.8) Grab Soil	8998322
E-14(0.0-0.3) Grab Soil	8998323
E-14(0.5-0.8) Grab Soil	8998324
E-15(0.0-0.3) Grab Soil	8998325
E-15(0.5-0.8) Grab Soil	8998326
F-12(0.0-0.3) Grab Soil	8998327
F-12(0.5-0.8) Grab Soil	8998328
F-13(0.0-0.3) Grab Soil	8998329
F-13(0.5-0.8) Grab Soil	8998330
F-14(0.0-0.3) Grab Soil	8998331

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Stantec	Attn: Jon Zerbe
Electronic Copy To	Stantec	Attn: Paul Miller

Electronic Copy To Stantec Attn: Steve Baggett

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

Sample Description: E-12(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998314
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:45 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4601 SDG#: ATE46-01BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.8	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	7.1	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 03:23	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-12(0.0-0.3)MS Grab Soil
Amtrak Wilmington

LL Sample # SW 8998315
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:45 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4601 SDG#: ATE46-01MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	0.38	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	1.3	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	7.1	0.50	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 03:57	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00118	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-12(0.0-0.3)MSD Grab Soil
Amtrak Wilmington

LL Sample # SW 8998316
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:45 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4601 SDG#: ATE46-01MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	0.56	0.27	5
10225	PCB-1221	11104-28-2	< 0.27	0.27	5
10225	PCB-1232	11141-16-5	< 0.27	0.27	5
10225	PCB-1242	53469-21-9	< 0.27	0.27	5
10225	PCB-1248	12672-29-6	< 0.27	0.27	5
10225	PCB-1254	11097-69-1	< 0.27	0.27	5
10225	PCB-1260	11096-82-5	0.72	0.27	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	7.1	0.50	1
00121	Moisture Duplicate	n.a.	7.1	0.50	1

The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 04:09	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00118	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1
00121	Moisture Duplicate	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: DUP-4 Grab Soil
Amtrak Wilmington

LL Sample # SW 8998317
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:45 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
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West Chester PA 19380

A4602 SDG#: ATE46-02FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.053	0.053	1
10225	PCB-1221	11104-28-2	< 0.053	0.053	1
10225	PCB-1232	11141-16-5	< 0.053	0.053	1
10225	PCB-1242	53469-21-9	< 0.053	0.053	1
10225	PCB-1248	12672-29-6	< 0.053	0.053	1
10225	PCB-1254	11097-69-1	< 0.053	0.053	1
10225	PCB-1260	11096-82-5	0.26	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	8.0	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 04:20	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-12(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998318
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:47 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4603 SDG#: ATE46-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	2.6	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.9	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 04:43	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-12(1.0-1.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998319
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:47 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4604 SDG#: ATE46-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.54	0.54	10
10225	PCB-1221	11104-28-2	< 0.54	0.54	10
10225	PCB-1232	11141-16-5	< 0.54	0.54	10
10225	PCB-1242	53469-21-9	< 0.54	0.54	10
10225	PCB-1248	12672-29-6	< 0.54	0.54	10
10225	PCB-1254	11097-69-1	< 0.54	0.54	10
10225	PCB-1260	11096-82-5	5.0	0.54	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	8.4	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390002A	05/22/2017 04:54	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390002A	05/19/2017 17:00	Kate E Lutte	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-12(1.5-1.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998320
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:49 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4605 SDG#: ATE46-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.052	0.052	1
10225	PCB-1221	11104-28-2	< 0.052	0.052	1
10225	PCB-1232	11141-16-5	< 0.052	0.052	1
10225	PCB-1242	53469-21-9	< 0.052	0.052	1
10225	PCB-1248	12672-29-6	< 0.052	0.052	1
10225	PCB-1254	11097-69-1	< 0.052	0.052	1
10225	PCB-1260	11096-82-5	< 0.052	0.052	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.7	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 05:28	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-13(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998321
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:52 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4606 SDG#: ATE46-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.59	0.59	10
10225	PCB-1221	11104-28-2	< 0.59	0.59	10
10225	PCB-1232	11141-16-5	< 0.59	0.59	10
10225	PCB-1242	53469-21-9	< 0.59	0.59	10
10225	PCB-1248	12672-29-6	< 0.59	0.59	10
10225	PCB-1254	11097-69-1	< 0.59	0.59	10
10225	PCB-1260	11096-82-5	4.7	0.59	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	16.0	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 05:39	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-13(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998322
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:53 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4607 SDG#: ATE46-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.51	0.51	10
10225	PCB-1221	11104-28-2	< 0.51	0.51	10
10225	PCB-1232	11141-16-5	< 0.51	0.51	10
10225	PCB-1242	53469-21-9	< 0.51	0.51	10
10225	PCB-1248	12672-29-6	< 0.51	0.51	10
10225	PCB-1254	11097-69-1	< 0.51	0.51	10
10225	PCB-1260	11096-82-5	4.5	0.51	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.4	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 06:02	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-14(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998323
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:55 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4608 SDG#: ATE46-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.26	0.26	5
10225	PCB-1221	11104-28-2	< 0.26	0.26	5
10225	PCB-1232	11141-16-5	< 0.26	0.26	5
10225	PCB-1242	53469-21-9	< 0.26	0.26	5
10225	PCB-1248	12672-29-6	< 0.26	0.26	5
10225	PCB-1254	11097-69-1	< 0.26	0.26	5
10225	PCB-1260	11096-82-5	0.55	0.26	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.6	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 06:25	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-14(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998324
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:56 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4609 SDG#: ATE46-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.25	0.25	5
10225	PCB-1221	11104-28-2	< 0.25	0.25	5
10225	PCB-1232	11141-16-5	< 0.25	0.25	5
10225	PCB-1242	53469-21-9	< 0.25	0.25	5
10225	PCB-1248	12672-29-6	< 0.25	0.25	5
10225	PCB-1254	11097-69-1	< 0.25	0.25	5
10225	PCB-1260	11096-82-5	0.59	0.25	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.1	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 06:36	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-15(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998325
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:57 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4610 SDG#: ATE46-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.52	0.52	10
10225	PCB-1221	11104-28-2	< 0.52	0.52	10
10225	PCB-1232	11141-16-5	< 0.52	0.52	10
10225	PCB-1242	53469-21-9	< 0.52	0.52	10
10225	PCB-1248	12672-29-6	< 0.52	0.52	10
10225	PCB-1254	11097-69-1	< 0.52	0.52	10
10225	PCB-1260	11096-82-5	4.0	0.52	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	4.0	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 06:48	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: E-15(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998326
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 15:58 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4611 SDG#: ATE46-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.3	5.3	100
10225	PCB-1221	11104-28-2	< 5.3	5.3	100
10225	PCB-1232	11141-16-5	< 5.3	5.3	100
10225	PCB-1242	53469-21-9	< 5.3	5.3	100
10225	PCB-1248	12672-29-6	< 5.3	5.3	100
10225	PCB-1254	11097-69-1	< 5.3	5.3	100
10225	PCB-1260	11096-82-5	23	5.3	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	7.8	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 07:10	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: F-12(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998327
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:15 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4612 SDG#: ATE46-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	1.1	20
10225	PCB-1260	11096-82-5	17	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	8.3	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 16:42	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: F-12(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998328
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:16 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4613 SDG#: ATE46-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.9	2.9	50
10225	PCB-1221	11104-28-2	< 2.9	2.9	50
10225	PCB-1232	11141-16-5	< 2.9	2.9	50
10225	PCB-1242	53469-21-9	< 2.9	2.9	50
10225	PCB-1248	12672-29-6	< 2.9	2.9	50
10225	PCB-1254	11097-69-1	< 2.9	2.9	50
10225	PCB-1260	11096-82-5	36	2.9	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	12.1	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 16:53	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: F-13(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998329
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:11 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4614 SDG#: ATE46-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	1.1	20
10225	PCB-1260	11096-82-5	7.5	1.1	20
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	7.9	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 08:19	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: F-13(0.5-0.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998330
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:12 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4615 SDG#: ATE46-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 11	11	200
10225	PCB-1221	11104-28-2	< 11	11	200
10225	PCB-1232	11141-16-5	< 11	11	200
10225	PCB-1242	53469-21-9	< 11	11	200
10225	PCB-1248	12672-29-6	< 11	11	200
10225	PCB-1254	11097-69-1	< 11	11	200
10225	PCB-1260	11096-82-5	50	11	200
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	10.5	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 08:41	Kirby B Turner	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

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Analysis Report

Sample Description: F-14(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998331
LL Group # 1802525
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:07 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:15

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4616 SDG#: ATE46-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 11	11	200
10225	PCB-1221	11104-28-2	< 11	11	200
10225	PCB-1232	11141-16-5	< 11	11	200
10225	PCB-1242	53469-21-9	< 11	11	200
10225	PCB-1248	12672-29-6	< 11	11	200
10225	PCB-1254	11097-69-1	< 11	11	200
10225	PCB-1260	11096-82-5	60	11	200
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	9.4	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	171390030A	05/22/2017 09:04	Kirby B Turner	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00111	Moisture	SM 2540 G-1997	1	17143820005A	05/23/2017 12:33	Larry E Bevins	1

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 11:15

Group Number: 1802525

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result mg/kg	LOQ mg/kg
Batch number: 171390002A	Sample number(s): 8998314-8998319	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051
Batch number: 171390030A	Sample number(s): 8998320-8998331	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051

LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 171390002A	Sample number(s): 8998314-8998319								
PCB-1016	0.501	0.516			103		80-121		
PCB-1260	0.504	0.538			107		84-125		
Batch number: 171390030A	Sample number(s): 8998320-8998331								
PCB-1016	0.501	0.527			105		80-121		
PCB-1260	0.504	0.541			107		84-125		
	%	%	%	%					
Batch number: 17143820005A	Sample number(s): 8998314-8998331								
Moisture	89.5	89.35			100		99-101		
Moisture	89.5	89.35			100		99-101		
Moisture Duplicate	89.5	89.35			100		99-101		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 11:15

Group Number: 1802525

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 171390002A	Sample number(s): 8998314-8998319 UNSPK: 8998314									
PCB-1016	< 0.25	0.477	0.354	0.493	0.522	74*	106	80-121	38	50
PCB-1260	1.70	0.481	1.18	0.496	0.671	-106*	-206*	84-125	55*	50
Batch number: 171390030A	Sample number(s): 8998320-8998331 UNSPK: P998332									
PCB-1016	< 4.9	0.488	< 5.0	0.497	< 5.1	0*	0*	80-121	0	50
PCB-1260	20.71	0.492	17.99	0.501	24.1	-550 (2)	677 (2)	84-125	29	50

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc %	DUP Conc %	DUP RPD	DUP RPD Max
Batch number: 17143820005A	Sample number(s): 8998314-8998331 BKG: 8998314, P998314			
Moisture	7.09	7.08	0	5
Moisture	7.09	7.08	0	5
Moisture Duplicate	7.09	7.08	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 171390002A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8998314	100	109
8998315	68	77
8998316	102	108
8998317	111	109
8998318	97	106
8998319	99	118
Blank	105	108
LCS	103	103
MS	68	77
MSD	102	108

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 11:15

Group Number: 1802525

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 171390002A

Limits:	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 171390030A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8998320	111	109
8998321	97	115
8998322	100	116
8998323	114	124
8998324	100	108
8998325	101	113
8998326	110	163
8998327	108	143
8998328	98	154
8998329	101	123
8998330	122	199*
8998331	120	169*
Blank	112	113
LCS	105	107
MS	113	150
MSD	119	166*
Limits:	61-152	48-164

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1802525 Sample # 8998314-31

COC # 528910 9 of 11

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#:

Sample Identification	Collected Date	Collected Time	Grab	Composite	Matrix: Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐	Other:	Total # of Containers	Analysis Requested: PCBs 35505									Remarks
E-12 (0.0-0.3)	5-15-17	1545	X		X			1	X									
E-12 (0.0-0.3) MS		1545																
E-12 (0.0-0.3) MSD		1545																
Dup-4		1545																
E-12 (0.5-0.8)		1547																
E-12 (1.0-1.3)		1547																
E-12 (1.5-1.8)		1549																
E-13 (0.0-0.3)		1552																
E-13 (0.5-0.8)		1553																
E-14 (0.0-0.3)		1555																

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed:

E-mail address: Paul.Miller@Stantec.com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5-17-17	1215	[signature]	5/17/17	1215
[signature]	5/17/17	1830			
			[signature]	5/17/17	1830

EDD Required? Yes No

If yes, format:

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:

UPS FedEx Other

Temperature upon receipt 1.5-2.5

Environmental Analysis Request/Chain of Custody

eurofins

Lancaster Laboratories Environmental

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Acct. # 11289 Group # 1802525 Sample # 8998314-31

COC # 528911 10 of 11

For Lab Use Only

FSC:

SCR#:

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Matrix: Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐ Other:	Total # of Containers	PCBs 3550B									Remarks
E-14 (0.5-0.8)	5-15-17	1556	X		X		1	X									
E-15 (0.0-0.3)		1557															
E-15 (0.5-0.8)		1558															
F-12 (0.0-0.3)		1615															
F-12 (0.5-0.8)		1616															
F-13 (0.0-0.3)		1611															
F-13 (0.5-0.8)		1612															
F-14 (0.0-0.3)		1607															
F-15 (0.0-0.3)		1605															
F-15 (0.0-0.3)		1605															

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed:

E-mail address: Paul.Miller@Stantec.Com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5-17-17	1215	[signature]	5/17/17	1215
[signature]	5/17/17	1638	[signature]		
			[signature]	5/17/17	1830

EDD Required? Yes No

If yes, format:

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS FedEx Other

Temperature upon receipt 1.5-2.5°C

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Sample Administration Receipt Documentation Log

Doc Log ID: 183962

Group Number(s): 1802525

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	05/17/2017 18:30
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	DE		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Karen Diem (3060) at 20:29 on 05/17/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.5	DT	Wet	Y	Bagged	N
2	DT121	2.5	DT	Wet	Y	Bagged	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
EB-20170515	2	1	

2425 New Holland Pike
Lancaster, PA 17601-2526
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE46

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
8998314	E-12(0.0-0.3)		X	5	Unspiked
8998315	E-12(0.0-0.3)MS		X	5	Matrix Spike
8998316	E-12(0.0-0.3)MSD		X	5	Matrix Spike Duplicate
8998317	DUP-4		X	1	Field Duplicate Sample
8998318	E-12(0.5-0.8)		X	5	
8998319	E-12(1.0-1.3)		X	10	
8998320	E-12(1.5-1.8)		X	1	
8998321	E-13(0.0-0.3)		X	10	
8998322	E-13(0.5-0.8)		X	10	
8998323	E-14(0.0-0.3)		X	5	
8998324	E-14(0.5-0.8)		X	5	
8998325	E-15(0.0-0.3)		X	10	
8998326	E-15(0.5-0.8)		X	100	
8998327	F-12(0.0-0.3)		X	20	
8998328	F-12(0.5-0.8)		X	50	
8998329	F-13(0.0-0.3)		X	20	
8998330	F-13(0.5-0.8)		X	200	
8998331	F-14(0.0-0.3)		X	200	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 8998314-8998331: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes

Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE46

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Please note that US EPA Methods for organic compounds do not require action by the laboratory based on out-of-specification MS/MSD results.

Batch#: 171390002A (Sample number(s): 8998314-8998319, UNSPK: 8998314)
The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS were below the acceptance window: PCB-1016
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1260

Surrogate

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

Batch#: 171390030A (Sample number(s): 8998320-8998331)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window:
Decachlorobiphenyl (8998330, 8998331)

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

Abbreviation Key

UNSPK = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
+MS = Matrix Spike	MDL = Method Detection Limit
MSD = Matrix Spike Duplicate	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	E= out of calibration range
LCS = Lab Control Sample	RE = Repreparation/Reanalysis
LCSD = Lab Control Sample Duplicate	* = Out of Specification

Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE46

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Quality Control and Calibration Summary Forms

Polychlorinated Biphenyls (PCBs)

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Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ATE46

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	171390002A	PBLK02139	05/21/2017 23:03:00
		LCS02139	05/21/2017 23:14:00
		8998314 UNSPK	05/22/2017 03:23:00
		8998315 MS	05/22/2017 03:57:00
		8998316 MSD	05/22/2017 04:09:00
		8998317	05/22/2017 04:20:00
		8998318	05/22/2017 04:43:00
		8998319	05/22/2017 04:54:00
PCBs in Solids by 8082/3550	171390030A	PBLK30139	05/22/2017 05:05:00
		LCS30139	05/22/2017 05:17:00
		8998320	05/22/2017 05:28:00
		8998321	05/22/2017 05:39:00
		8998322	05/22/2017 06:02:00
		8998323	05/22/2017 06:25:00
		8998324	05/22/2017 06:36:00
		8998325	05/22/2017 06:48:00
		8998326	05/22/2017 07:10:00
		8998327	05/22/2017 16:42:00
		8998328	05/22/2017 16:53:00
		8998329	05/22/2017 08:19:00
		8998330	05/22/2017 08:41:00
		8998331	05/22/2017 09:04:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE46
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171390002A / PBLK02139 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/21/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	05/21/17	N.D.	mg/kg	0.015	0.051
PCB-1232	05/21/17	N.D.	mg/kg	0.012	0.051
PCB-1242	05/21/17	N.D.	mg/kg	0.012	0.051
PCB-1248	05/21/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	05/21/17	N.D.	mg/kg	0.013	0.051
PCB-1260	05/21/17	N.D.	mg/kg	0.012	0.051

171390030A / PBLK30139 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/22/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	05/22/17	N.D.	mg/kg	0.015	0.051
PCB-1232	05/22/17	N.D.	mg/kg	0.012	0.051
PCB-1242	05/22/17	N.D.	mg/kg	0.012	0.051
PCB-1248	05/22/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	05/22/17	N.D.	mg/kg	0.013	0.051
PCB-1260	05/22/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATE46
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

171390002A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK02139	108	48 - 164	105	61 - 152
LCS02139	103	48 - 164	103	61 - 152
8998314 UNSPK	109	48 - 164	100	61 - 152
8998315 MS	77	48 - 164	68	61 - 152
8998316 MSD	108	48 - 164	102	61 - 152
8998317	109	48 - 164	111	61 - 152
8998318	106	48 - 164	97	61 - 152
8998319	118	48 - 164	99	61 - 152

171390030A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	29.3 ug/kg	**Spike Added**	29.2 ug/kg
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK30139	113	48 - 164	112	61 - 152
LCS30139	107	48 - 164	105	61 - 152
8998320	109	48 - 164	111	61 - 152
8998321	115	48 - 164	97	61 - 152
8998322	116	48 - 164	100	61 - 152
8998323	124	48 - 164	114	61 - 152
8998324	108	48 - 164	100	61 - 152
8998325	113	48 - 164	101	61 - 152
8998326	163	48 - 164	110	61 - 152
8998327	143	48 - 164	108	61 - 152
8998328	154	48 - 164	98	61 - 152
8998329	123	48 - 164	101	61 - 152
8998330	199 *	48 - 164	122	61 - 152
8998331	169 *	48 - 164	120	61 - 152

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATE46
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 8998314 MS: 8998315 MSD: 8998316 **Analyte**	Batch: **171390002A** (Sample number(s): 8998314-8998319)								
	Spike Added mg/kg MS/MSD	**Unspiked Conc mg/kg**	**MS Conc mg/kg**	**MSD Conc mg/kg**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.477 / 0.493	N.D.	0.354	0.522	74 *	106	80-121	38	50
PCB-1260	0.481 / 0.496	1.70	1.18	0.671	-106 *	-206 *	84-125	55 *	50

Comments:
(2) The unspiked sample result is greater than four times the spike added.
* = Out of Specification

Results are being reported on an as received basis.

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Quality Control Summary
Laboratory Control Standard (LCS)
Laboratory Control Standard Duplicate(LCSD)

SDG: ATE46
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS02139	Batch: **171390002A** (Sample number(s): 8998314-8998319)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.516	NA	103	NA	80-121	NA	NA
PCB-1260	0.504	0.538	NA	107	NA	84-125	NA	NA

LCS: LCS30139	Batch: **171390030A** (Sample number(s): 8998320-8998331)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.527	NA	105	NA	80-121	NA	NA
PCB-1260	0.504	0.541	NA	107	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.95	2.95	2.95	2.95	2.95	2.95	2.92	2.98
Decachlorobiphenyl	6.64	6.64	6.64	6.63	6.63	6.64	6.61	6.67

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.42E+05	1.34E+05	1.39E+05	1.43E+05	1.40E+05	1.40E+05	2
Decachlorobiphenyl	1.14E+05	9.37E+04	9.40E+04	1.04E+05	9.24E+04	9.97E+04	9

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.20	3.18	3.22	2744	2329	1	50.01	137247	11
					2349		2	100.02	234898	
					2281		3	200.04	456256	
					2196		4	500.1	1098147	
					2075		5	1000.2	2075330	
	2	3.42	3.40	3.44	2605	2210	1	50.01	130254	11
					2281		2	100.02	228118	
					2096		3	200.04	419215	
					2097		4	500.1	1048765	
					1974		5	1000.2	1974577	
	3	3.53	3.51	3.55	3263	2800	1	50.01	163191	10
					2763		2	100.02	276401	
					2754		3	200.04	550934	
					2678		4	500.1	1339253	
					2543		5	1000.2	2543272	
	4	3.75	3.73	3.77	3845	3402	1	50.01	192301	8
					3324		2	100.02	332492	
					3354		3	200.04	670860	
					3319		4	500.1	1659659	
					3170		5	1000.2	3170642	
	5	3.81	3.79	3.83	3481	3039	1	50.01	174073	8
					2963		2	100.02	296402	
					2952		3	200.04	590422	
					2943		4	500.1	1471728	
					2857		5	1000.2	2857406	
	6	4.00	3.98	4.02	2555	2145	1	50.01	127759	11
					2139		2	100.02	213983	
					2023		3	200.04	404757	
					2090		4	500.1	1044978	
					1917		5	1000.2	1916949	
Aroclor-1221	1	3.09	3.07	3.11	1134	1134	1	200.24	227157	0
	2	3.15	3.13	3.17	1041	1041	1	200.24	208523	0
	3	3.20	3.18	3.22	3187	3187	1	200.24	638197	0
Aroclor-1232	1	3.20	3.18	3.22	2848	2848	1	200.6	571287	0
	2	3.42	3.40	3.44	1056	1056	1	200.6	211882	0
	3	3.54	3.52	3.56	1390	1390	1	200.6	278767	0
	4	3.76	3.74	3.78	1704	1704	1	200.6	341867	0
	5	3.81	3.79	3.83	1418	1418	1	200.6	284438	0
	6	4.01	3.99	4.03	927	927	1	200.6	185961	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.20	3.18	3.22	1976	1976	1	200.36	395986	0
	2	3.42	3.40	3.44	1833	1833	1	200.36	367334	0
	3	3.53	3.51	3.55	2338	2338	1	200.36	468454	0
	4	3.75	3.73	3.77	2833	2833	1	200.36	567716	0
	5	3.81	3.79	3.83	2430	2430	1	200.36	486802	0
	6	4.00	3.98	4.02	1784	1784	1	200.36	357454	0
Aroclor-1248	1	3.81	3.79	3.83	1992	1743	1	50.16	99929	12
					1909		2	100.32	191464	
					1630		3	200.64	326974	
					1674		4	501.6	839485	
					1510		5	1003.2	1514410	
	2	3.88	3.86	3.90	3150	2737	1	50.16	157996	12
					3059		2	100.32	306897	
					2529		3	200.64	507379	
					2535		4	501.6	1271324	
					2410		5	1003.2	2418095	
	3	4.00	3.98	4.02	3493	3165	1	50.16	175202	10
					3479		2	100.32	349033	
					2962		3	200.64	594382	
					3053		4	501.6	1531452	
					2836		5	1003.2	2844586	
	4	4.09	4.07	4.11	3027	2723	1	50.16	151810	9
					2953		2	100.32	296263	
					2497		3	200.64	500965	
					2645		4	501.6	1326735	
					2495		5	1003.2	2502560	
	5	4.27	4.25	4.29	2852	2710	1	50.16	143034	6
					2769		2	100.32	277771	
					2430		3	200.64	487537	
					2814		4	501.6	1411254	
					2686		5	1003.2	2694960	
	6	4.66	4.64	4.68	2572	2214	1	50.16	129029	12
					2437		2	100.32	244483	
					2084		3	200.64	418167	
					2032		4	501.6	1019302	
					1944		5	1003.2	1949762	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.26	4.24	4.28	3124	2915	1	50.3	157116	7
					3099		2	100.6	311719	
					2859		3	251.5	719156	
					2807		4	503	1411910	
					2684		5	1006	2700546	
	2	4.60	4.58	4.62	3750	3459	1	50.3	188601	6
					3593		2	100.6	361456	
					3358		3	251.5	844623	
					3318		4	503	1668932	
					3279		5	1006	3298215	
	3	4.66	4.64	4.68	7475	6689	1	50.3	375994	8
					6994		2	100.6	703560	
					6491		3	251.5	1632588	
					6501		4	503	3269799	
					5985		5	1006	6021110	
	4	4.79	4.77	4.81	2512	2162	1	50.3	126332	12
					2347		2	100.6	236071	
					2089		3	251.5	525496	
					1915		4	503	963052	
					1946		5	1006	1957356	
	5	4.88	4.86	4.90	5371	4920	1	50.3	270183	7
					5119		2	100.6	514933	
					4792		3	251.5	1205207	
					4792		4	503	2410578	
					4525		5	1006	4552584	
	6	5.07	5.05	5.09	3936	3659	1	50.3	197988	5
					3771		2	100.6	379350	
					3512		3	251.5	883277	
					3457		4	503	1738884	
					3620		5	1006	3642189	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.78	4.76	4.80	5511	4837	1	50.05	275828	8
					4792		2	100.1	479640	
					4634		3	200.2	927678	
					4754		4	500.5	2379337	
					4495		5	1001	4499349	
	2	5.07	5.05	5.09	3139	2803	1	50.05	157091	7
					2803		2	100.1	280617	
					2754		3	200.2	551284	
					2708		4	500.5	1355198	
					2609		5	1001	2612085	
	3	5.25	5.23	5.27	3799	3290	1	50.05	190135	9
					3313		2	100.1	331666	
					3201		3	200.2	640896	
					3117		4	500.5	1559884	
					3019		5	1001	3022334	
	4	5.42	5.40	5.44	4029	3585	1	50.05	201645	7
					3471		2	100.1	347404	
					3496		3	200.2	699881	
					3573		4	500.5	1788332	
					3356		5	1001	3359660	
	5	5.65	5.63	5.67	10669	9720	1	50.05	533998	6
					9144		2	100.1	915333	
					9261		3	200.2	1854117	
					9930		4	500.5	4970026	
					9594		5	1001	9603692	
	6	5.85	5.83	5.87	6472	5937	1	50.05	323917	6
					5644		2	100.1	564931	
					5813		3	200.2	1163676	
					6062		4	500.5	3034028	
					5693		5	1001	5698614	
Aroclor-1262	1	5.25	5.23	5.27	5871	5871	1	200.8	1178900	0
	2	5.42	5.40	5.44	5055	5055	1	200.8	1015100	0
	3	5.65	5.63	5.67	13033	13033	1	200.8	2616967	0
	4	5.85	5.83	5.87	7995	7995	1	200.8	1605369	0
	5	5.91	5.89	5.93	3665	3665	1	200.8	735876	0
	6	6.28	6.26	6.30	4731	4731	1	200.8	949964	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Calibration File: 25PCBS1711601

GC Column (1) : MR-1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.85	5.83	5.87	14117	14117	1	201	2837532	0
	2	5.91	5.89	5.93	12846	12846	1	201	2581956	0
	3	6.05	6.03	6.07	11930	11930	1	201	2397956	0
	4	6.11	6.09	6.13	3103	3103	1	201	623793	0
	5	6.28	6.26	6.30	5057	5057	1	201	1016396	0
	6	6.49	6.47	6.51	41523	41523	1	201	8346168	0

File Name: V:\CP25\25PCBS1711601.CAL
Version: 7

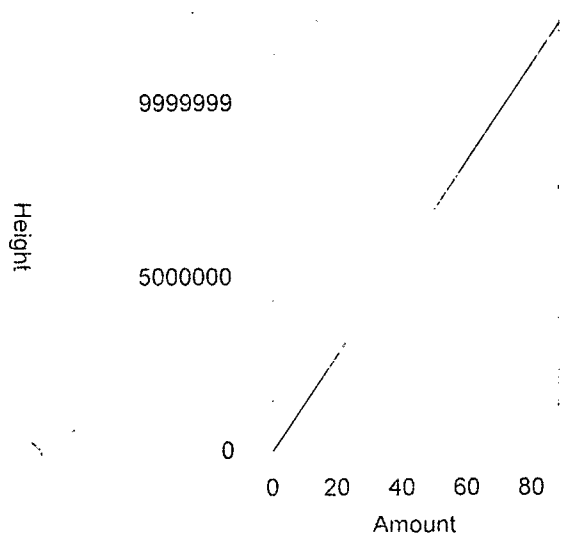
Creator:
Description:
Reason for change:

External standard calibration
Standard injection volume: 1
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 0
Amount units: ug/l
No default component

Method of calculating data point averages: Current update equal to cal data
Print calibration update report

All levels are normal data points.

1 TCX



Expected retention time: 2.945 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

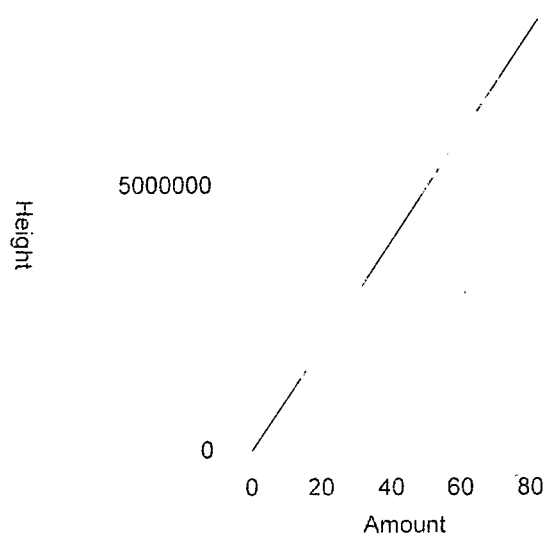
Single peak quantification by height

Y = 139774 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9994287
Average error: 1.659%
Average CF: 139774
RSD: 2.352%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	570418.1	142248.9	1.771	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.007.B1
2	20.04	2693565	134409.4	-3.838	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.008.B1
3	40.08	5584748	139340	-0.310	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.009.B1
4	60.92	8685794	142577.1	2.005	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.010.B1
5	80.16	1.124601E+07	140294.5	0.372	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.B1

2 DCB



Expected retention time:	6.635 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 99683.39 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9860451
Average error:	7.610%
Average CF:	99683.39
RSD:	9.445%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	458501.8	114339.6	14.703	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.007.BN
2	20.04	1877519	93688.57	-6.014	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.008.BN
3	40.08	3765898	93959.52	-5.742	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.009.BN
4	60.92	6335256	103993	4.323	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.010.BN
5	80.16	7409686	92436.2	-7.270	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.BN

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	RT OF STANDARDS					MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	TO
Tetrachloro-m-xylene	2.62	2.62	2.62	2.62	2.62	2.62	2.59	2.65
Decachlorobiphenyl	6.13	6.13	6.13	6.13	6.13	6.13	6.10	6.16

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.77E+05	1.87E+05	1.94E+05	2.02E+05	1.92E+05	1.90E+05	5
Decachlorobiphenyl	2.61E+05	2.21E+05	2.30E+05	2.36E+05	2.30E+05	2.36E+05	6

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.91	2.89	2.93	3740	3275	1	50.01	187039	8
					3271		2	100.02	327207	
					3139		3	200.04	627991	
					3201		4	500.1	1600751	
					3022		5	1000.2	3022627	
	2	3.24	3.22	3.26	4831	4361	1	50.01	241595	7
					4295		2	100.02	429603	
					4250		3	200.04	850135	
					4387		4	500.1	2194127	
					4040		5	1000.2	4040465	
	3	3.43	3.41	3.45	5298	4929	1	50.01	264957	5
					4825		2	100.02	482583	
					4808		3	200.04	961811	
					5048		4	500.1	2524293	
					4667		5	1000.2	4668416	
	4	3.51	3.49	3.53	5388	5128	1	50.01	269433	3
					4972		2	100.02	497275	
					5004		3	200.04	1000944	
					5227		4	500.1	2614001	
					5051		5	1000.2	5051665	
	5	3.67	3.65	3.69	4640	4156	1	50.01	232043	7
					4132		2	100.02	413300	
					3921		3	200.04	784432	
					4228		4	500.1	2114367	
					3859		5	1000.2	3859676	
	6	3.76	3.74	3.78	4034	3797	1	50.01	201732	4
					3655		2	100.02	365623	
					3684		3	200.04	736975	
					3839		4	500.1	1919641	
					3775		5	1000.2	3775553	
Aroclor-1221	1	2.79	2.77	2.81	1699	1699	1	200.24	340243	0
	2	2.86	2.84	2.88	1049	1049	1	200.24	210110	0
	3	2.91	2.89	2.93	4431	4431	1	200.24	887228	0
Aroclor-1232	1	2.91	2.89	2.93	4095	4095	1	200.6	821522	0
	2	3.24	3.22	3.26	2058	2058	1	200.6	412778	0
	3	3.43	3.41	3.45	2212	2212	1	200.6	443703	0
	4	3.51	3.49	3.53	2284	2284	1	200.6	458225	0
	5	3.67	3.65	3.69	1759	1759	1	200.6	352889	0
	6	3.77	3.75	3.79	1756	1756	1	200.6	352231	0

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.91	2.89	2.93	2743	2743	1	200.36	549511	0
	2	3.24	3.22	3.26	3482	3482	1	200.36	697718	0
	3	3.43	3.41	3.45	3959	3959	1	200.36	793225	0
	4	3.51	3.49	3.53	4039	4039	1	200.36	809315	0
	5	3.67	3.65	3.69	3377	3377	1	200.36	676648	0
	6	3.76	3.74	3.78	3229	3229	1	200.36	647038	0
Aroclor-1248	1	3.43	3.41	3.45	2063	1971	1	50.16	103474	5
					1948		2	100.32	195450	
					1818		3	200.64	364830	
					1968		4	501.6	987072	
					2060		5	1003.2	2066409	
	2	3.54	3.52	3.56	5270	5036	1	50.16	264361	6
					5338		2	100.32	535504	
					4655		3	200.64	934041	
					5128		4	501.6	2572300	
					4790		5	1003.2	4805663	
	3	3.67	3.65	3.69	5989	6023	1	50.16	300428	5
					6469		2	100.32	649016	
					5636		3	200.64	1130774	
					6167		4	501.6	3093358	
					5856		5	1003.2	5874348	
	4	3.76	3.74	3.78	4717	4600	1	50.16	236585	5
					4765		2	100.32	478068	
					4285		3	200.64	859677	
					4757		4	501.6	2386070	
					4479		5	1003.2	4492910	
	5	3.90	3.88	3.92	9063	9251	1	50.16	454587	5
					9330		2	100.32	935955	
					8627		3	200.64	1730835	
					10024		4	501.6	5028161	
					9214		5	1003.2	9243298	
	6	4.26	4.24	4.28	4556	4382	1	50.16	228542	6
					4618		2	100.32	463314	
					3924		3	200.64	787379	
					4486		4	501.6	2250080	
					4326		5	1003.2	4340198	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.20	4.18	4.22	7967	7680	1	50.3	400736	3
					7675		2	100.6	772118	
					7699		3	251.5	1936379	
					7750		4	503	3898232	
					7310		5	1006	7354041	
	2	4.26	4.24	4.28	14151	14101	1	50.3	711782	2
					13919		2	100.6	1400221	
					14340		3	251.5	3606498	
					14309		4	503	7197296	
					13785		5	1006	13867230	
	3	4.35	4.33	4.37	6970	6474	1	50.3	350594	5
					6599		2	100.6	663870	
					6388		3	251.5	1606644	
					6313		4	503	3175556	
					6099		5	1006	6135689	
	4	4.42	4.40	4.44	9507	9428	1	50.3	478180	2
					9539		2	100.6	959628	
					9221		3	251.5	2319028	
					9285		4	503	4670518	
					9589		5	1006	9646209	
	5	4.49	4.47	4.51	5691	5228	1	50.3	286254	7
					5393		2	100.6	542513	
					5289		3	251.5	1330286	
					5029		4	503	2529463	
					4737		5	1006	4765321	
	6	4.64	4.62	4.66	6767	6877	1	50.3	340364	3
					6817		2	100.6	685802	
					6658		3	251.5	1674538	
					7227		4	503	3635116	
					6918		5	1006	6959700	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.35	4.33	4.37	11227	10501	1	50.05	561898	5
					9765		2	100.1	977510	
					10214		3	200.2	2044882	
					10781		4	500.5	5395685	
					10518		5	1001	10528420	
	2	4.49	4.47	4.51	12677	12029	1	50.05	634489	4
					11555		2	100.1	1156651	
					11870		3	200.2	2376417	
					12286		4	500.5	6149306	
					11755		5	1001	11766620	
	3	4.59	4.57	4.61	10625	10326	1	50.05	531772	3
					9943		2	100.1	995262	
					10051		3	200.2	2012222	
					10677		4	500.5	5344055	
					10333		5	1001	10343460	
	4	4.94	4.92	4.96	8659	8273	1	50.05	433398	4
					7907		2	100.1	791451	
					8115		3	200.2	1624706	
					8523		4	500.5	4265864	
					8162		5	1001	8170100	
	5	5.13	5.11	5.15	20272	20403	1	50.05	1014630	7
					18583		2	100.1	1860200	
					19572		3	200.2	3918282	
					21981		4	500.5	11001540	
					21604		5	1001	21625850	
	6	5.39	5.37	5.41	12284	12238	1	50.05	614824	11
					10201		2	100.1	1021071	
					12858		3	200.2	2574270	
					11961		4	500.5	5986446	
					13885		5	1001	13899230	
Aroclor-1262	1	4.75	4.73	4.77	13223	13223	1	200.8	2655234	0
	2	4.94	4.92	4.96	13077	13077	1	200.8	2625957	0
	3	5.13	5.11	5.15	27366	27366	1	200.8	5495144	0
	4	5.35	5.33	5.37	10290	10290	1	200.8	2066216	0
	5	5.39	5.37	5.41	17862	17862	1	200.8	3586774	0
	6	5.77	5.75	5.79	10259	10259	1	200.8	2059958	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Calibration File: 25PCBS1711601B

GC Column (2) : MR-2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 4/26/2017 4/26/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.35	5.33	5.37	32507	32507	1	201	6533992	0
	2	5.39	5.37	5.41	31614	31614	1	201	6354480	0
	3	5.55	5.53	5.57	27505	27505	1	201	5528464	0
	4	5.61	5.59	5.63	6773	6773	1	201	1361341	0
	5	5.77	5.75	5.79	11456	11456	1	201	2302684	0
	6	5.97	5.95	5.99	97671	97671	1	201	19631940	0

File Name: V:\CP25\25PCBS1711601b.CAL
Version: 8

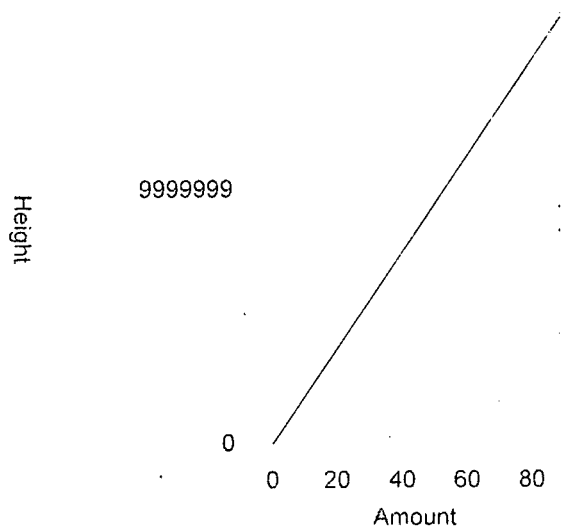
Creator:
Description:
Reason for change:

External standard calibration
Standard injection volume: 1
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 0
Amount units: ug/l
No default component

Method of calculating data point averages: Current update equal to cal data
Print calibration update report

All levels are normal data points.

1 TCX



Expected retention time: 2.621 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

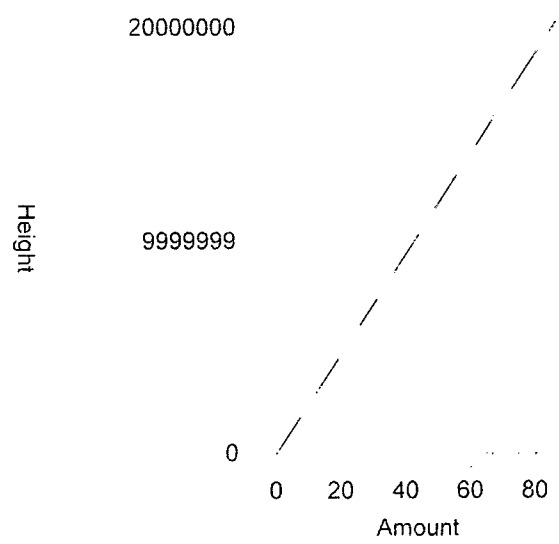
Single peak quantification by height

Y = 190427.7 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.996327
Average error: 3.578%
Average CF: 190427.7
RSD: 4.904%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	708303.4	176634.3	-7.243	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.007.I
2	20.04	3751281	187189.7	-1.700	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.008.I
3	40.08	7793176	194440.5	2.107	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.009.I
4	60.92	1.229355E+07	201798.3	5.971	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.010.I
5	80.16	1.539681E+07	192076	0.866	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.011.I

2 DCB



Expected retention time:	6.13 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 235730.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9983557
Average error:	4.371%
Average CF:	235730.8
RSD:	6.381%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	1045903	260823.7	10.645	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
2	20.04	4432207	221168	-6.178	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
3	40.08	9210380	229799.9	-2.516	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
4	60.92	1.440147E+07	236399.7	0.284	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(
5	80.16	1.847388E+07	230462.6	-2.235	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001B.(

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 18:58

Lab File ID: 25PCBS17116001.029.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC16XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	40.95	40.08	2
Decachlorobiphenyl	6.63	6.61	6.67	40.08	40.08	0
Aroclor-1016	3.20	3.18	3.22	201.41	201.00	0
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.80	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	196.55	201.80	-3
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 1

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 18:58

Lab File ID: 25PCBS17116001B.029.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC16XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	40.10	40.08	0
Decachlorobiphenyl	6.13	6.10	6.16	39.73	40.08	-1
Aroclor-1016	2.91	2.89	2.93	194.85	201.00	-3
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.50	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	193.05	201.80	-4
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 19:10

Lab File ID: 25PCBS17116001.030.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC48XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	41.88	40.08	4
Decachlorobiphenyl	6.63	6.61	6.67	40.00	40.08	0
Aroclor-1248	3.81	3.79	3.83	202.31	200.00	1
	3.88	3.86	3.90			
	4.00	3.98	4.02			
	4.09	4.07	4.11			
	4.29	4.25	4.29			
	4.66	4.64	4.68			

Compounds 8 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 19:10

Lab File ID: 25PCBS17116001B.030.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC48XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	40.06	40.08	0
Decachlorobiphenyl	6.13	6.10	6.16	38.16	40.08	-5
Aroclor-1248	3.43	3.41	3.45	195.71	200.00	-2
	3.54	3.52	3.56			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
	3.89	3.88	3.92			
	4.26	4.24	4.28			

Compounds 8 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 04/26/17

GC Column (1) : MR-1 ID: .32 (mm) . Time Analyzed: 19:21

Lab File ID: 25PCBS17116001.031.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: IC54XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.95	2.92	2.98	19.55	20.00	-2
Decachlorobiphenyl	6.64	6.61	6.67	19.64	20.12	-2
Aroclor-1254	4.26	4.24	4.28	225.58	250.00	-10
	4.60	4.58	4.62			
	4.66	4.64	4.68			
	4.79	4.77	4.81			
	4.87	4.86	4.90			
	5.07	5.05	5.09			

Compounds 8 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 04/26/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 19:21

Lab File ID: 25PCBS17116001B.031.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: IC54XAA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	19.29	20.00	-4
Decachlorobiphenyl	6.13	6.10	6.16	19.80	20.12	-2
Aroclor-1254	4.20	4.18	4.22	225.56	250.00	-10
	4.26	4.24	4.28			
	4.35	4.33	4.37			
	4.42	4.40	4.44			
	4.49	4.47	4.51			
	4.64	4.62	4.66			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/21/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:32

Lab File ID: 25PCBS17116016.023.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163CW Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	40.51	40.08	1
Decachlorobiphenyl	6.63	6.61	6.67	37.93	40.08	-5
Aroclor-1016	3.20	3.18	3.22	196.21	200.04	-2
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	191.38	200.20	-4
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/21/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:32

Lab File ID: 25PCBS17116016B.023.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163CW Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	44.66	40.08	11
Decachlorobiphenyl	6.13	6.10	6.16	42.22	40.08	5
Aroclor-1016	2.91	2.89	2.93	213.09	200.04	7
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	213.30	200.20	7
	4.49	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 8

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKVQ Sample ID: VQ **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 21, 2017 21:44:00
Instrument : CP25--18274A
Result file : 25PCBS17116016.024.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**32.00**	
3.40	3.40	3.44	858.8018	0.003885			2
3.51	3.52	3.55	1663.83	0.005942			3
3.73	3.74	3.77	991.0509	0.002913			4
3.79	3.80	3.83	1088.256	0.003581			5
Height Summation:			**4601.9387**				
Amount Avg CF:			**0.00408**	Linear:			
Aroclor-1221					**2**	**137.17**	
3.07	3.09	3.11	670.5804	0.005911			1
3.13	3.14	3.17	40358.54	0.387554			2
Height Summation:			**41029.1204**				
Amount Avg CF:			**0.196733**	Linear:			
Aroclor-1232					**4**	**30.78**	
3.40	3.40	3.44	858.8018	0.008131			2
3.52	3.52	3.56	1663.83	0.011973			3
3.74	3.74	3.78	991.0509	0.005815			4
+ 3.74	3.77	3.78	841.007	0.004935			4
3.79	3.80	3.83	1088.256	0.007675			5
Height Summation:			**4601.9387**				
Amount Avg CF:			**0.008398**	Linear:			
Aroclor-1242					**4**	**31.10**	
3.40	3.40	3.44	858.8018	0.004684			2
3.51	3.52	3.55	1663.83	0.007116			3
3.73	3.74	3.77	991.0509	0.003498			4
3.79	3.80	3.83	1088.256	0.004479			5
Height Summation:			**4601.9387**				
Amount Avg CF:			**0.004944**	Linear:			
Aroclor-1248					**4**	**98.78**	
3.79	3.80	3.83	1088.256	0.006245			1
3.86	3.87	3.90	2551.871	0.009325			2
+ 4.07	4.08	4.11	463.3801	0.001702			4
4.07	4.11	4.11	1171.643	0.004302			4
4.64	4.66	4.68	7043.335	0.031815			6
Height Summation:			**11855.105**				
Amount Avg CF:			**0.012922**	Linear:			
Aroclor-1254					**4**	**77.39**	
4.58	4.61	4.62	2170.919	0.006275			2
4.64	4.66	4.68	7043.335	0.010529			3
4.86	4.86	4.89	439.2207	0.000893			5
5.05	5.06	5.09	1302.992	0.003561			6
Height Summation:			**10956.4667**				
Amount Avg CF:			**0.005315**	Linear:			
Aroclor-1260					**2**	**41.44**	
5.05	5.06	5.09	1302.992	0.004649			2
5.83	5.85	5.87	1509.013	0.002542			6
Height Summation:			**2812.005**				
Amount Avg CF:			**0.003596**	Linear:			
Aroclor-1262					**2**	**89.11**	
5.83	5.85	5.87	1509.013	0.001887			4
+ 6.26	6.26	6.30	297.2364	0.000628			6
6.26	6.29	6.30	3934.674	0.008317			6
Height Summation:			**5443.687**				
Amount Avg CF:			**0.005102**	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 21:44:00
Instrument : CP25--18274B
Result file : 25PCBS17116016B.024.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**91.20**	
3.22	3.24	3.26	905.5629	0.002077			2
3.41	3.42	3.45	7967.778	0.016164			3
3.49	3.52	3.53	1076.121	0.002098			4
3.65	3.68	3.69	7698.06	0.018523			5
Height Summation:			**17647.5219**				
Amount Avg CF:			**0.009716**	Linear:			
Aroclor-1221					**2**	**136.14**	
2.77	2.79	2.81	1544.113	0.009087			1
2.84	2.84	2.88	50157.14	0.47801			2
Height Summation:			**51701.253**				
Amount Avg CF:			**0.243549**	Linear:			
Aroclor-1232					**4**	**92.89**	
3.22	3.24	3.26	905.5629	0.004401			2
3.41	3.42	3.45	7967.778	0.036023			3
3.49	3.52	3.53	1076.121	0.004711			4
3.65	3.68	3.69	7698.06	0.04376			5
Height Summation:			**17647.5219**				
Amount Avg CF:			**0.022224**	Linear:			
Aroclor-1242					**4**	**90.69**	
3.22	3.24	3.26	905.5629	0.0026			2
3.41	3.42	3.45	7967.778	0.020126			3
3.49	3.52	3.53	1076.121	0.002664			4
3.65	3.68	3.69	7698.06	0.022794			5
Height Summation:			**17647.5219**				
Amount Avg CF:			**0.012046**	Linear:			
Aroclor-1248					**3**	**99.43**	
3.41	3.42	3.45	7967.778	0.040416			1
3.65	3.68	3.69	7698.06	0.01278			3
4.24	4.25	4.28	1781.743	0.004066			6
Height Summation:			**17447.581**				
Amount Avg CF:			**0.019087**	Linear:			
Aroclor-1254					**2**	**24.19**	
4.24	4.25	4.28	1781.743	0.001264			2
4.33	4.35	4.37	1155.623	0.001785			3
Height Summation:			**2937.366**				
Amount Avg CF:			**0.001524**	Linear:			
Aroclor-1260					**3**	**63.71**	
4.33	4.35	4.37	1155.623	0.0011			1
+ 4.57	4.59	4.61	1334.611	0.001292			3
4.57	4.61	4.61	2418.015	0.002342			3
5.37	5.39	5.41	5380.185	0.004396			6
Height Summation:			**8953.823**				
Amount Avg CF:			**0.002613**	Linear:			
Aroclor-1262					**2**	**15.93**	
5.33	5.34	5.36	3886.009	0.003777			4
5.37	5.39	5.41	5380.185	0.003012			5
Height Summation:			**9266.194**				
Amount Avg CF:			**0.003394**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVQ Sample ID: VQ **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 21, 2017 21:44:00
Instrument : CP25--18274A
Result file : 25PCBS17116016.024.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**160.18**	
5.83	5.85	5.87	1509.013	0.001069			1
5.89	5.93	5.93	569.0547	0.000443			2
6.03	6.04	6.07	21072.24	0.017663			3
6.09	6.11	6.13	23204.88	0.074771			4
+ 6.26	6.26	6.30	297.2364	0.000588			5
6.26	6.29	6.30	3934.674	0.007781			5
6.47	6.48	6.51	22075.03	0.005316			6

Height Summation: **72364.8917**
Amount Avg CF: **0.017841** Linear:

Analysis Report (B)

Injected on : May 21, 2017 21:44:00
Instrument : CP25--18274B
Result file : 25PCBS17116016B.024.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**158.85**	
5.33	5.34	5.37	3886.009	0.001195			1
5.37	5.39	5.41	5380.185	0.001702			2
5.53	5.54	5.57	52509.12	0.019091			3
5.59	5.61	5.63	56191.75	0.082966			4
5.95	5.97	5.99	47096.21	0.004822			6

Height Summation: **165063.274**
Amount Avg CF: **0.021955** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 81.70	4	40	
Aroclor-1221						21.27	3	5	
Aroclor-1232						** 90.30	4	10	
Aroclor-1242						** 83.60	4	30	
Aroclor-1248						38.52	4	40	
Aroclor-1254						** 110.84	4	40	
Aroclor-1260						31.66	4	40	
Aroclor-1262						** 40.20	4	40	
Aroclor-1268						20.68	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/21/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 23:25

Lab File ID: 25PCBS17116016.033.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163CX Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	42.18	40.08	5
Decachlorobiphenyl	6.63	6.61	6.67	40.00	40.08	0
Aroclor-1016	3.20	3.18	3.22	205.44	200.04	3
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.80	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	208.23	200.20	4
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/21/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 23:25

Lab File ID: 25PCBS17116016B.033.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163CX Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	47.88	40.08	19
Decachlorobiphenyl	6.13	6.10	6.16	42.66	40.08	6
Aroclor-1016	2.91	2.89	2.93	221.82	200.04	11
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	223.71	200.20	12
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKVR Sample ID: VR **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 21, 2017 23:37:16
Instrument : CP25--18274A
Result file : 25PCBS17116016.034.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**43.63**	
3.18	3.19	3.22	538.5527	0.002312			1
3.40	3.40	3.44	1497.885	0.006776			2
+ 3.40	3.42	3.44	434.474	0.001966			2
3.51	3.52	3.55	1435.699	0.005127			3
3.73	3.74	3.77	1033.146	0.003037			4
3.79	3.79	3.83	965.4272	0.003177			5
3.98	4.01	4.02	633.892	0.002956			6
Height Summation:			**6104.6019**				
Amount Avg CF:			**0.003897**	Linear:			
Aroclor-1221					**2**	**140.17**	
3.13	3.14	3.17	39663.03	0.380875			2
3.18	3.19	3.22	538.5527	0.00169			3
Height Summation:			**40201.5827**				
Amount Avg CF:			**0.191283**	Linear:			
Aroclor-1232					**6**	**54.24**	
3.18	3.19	3.22	538.5527	0.001891			1
3.40	3.40	3.44	1497.885	0.014181			2
+ 3.40	3.42	3.44	434.474	0.004113			2
3.52	3.52	3.56	1435.699	0.010331			3
3.74	3.74	3.78	1033.146	0.006062			4
3.79	3.79	3.83	965.4272	0.006809			5
3.99	4.01	4.03	633.892	0.006838			6
Height Summation:			**6104.6019**				
Amount Avg CF:			**0.007685**	Linear:			
Aroclor-1242					**6**	**43.56**	
3.18	3.19	3.22	538.5527	0.002725			1
3.40	3.40	3.44	1497.885	0.00817			2
+ 3.40	3.42	3.44	434.474	0.00237			2
3.51	3.52	3.55	1435.699	0.006141			3
3.73	3.74	3.77	1033.146	0.003646			4
3.79	3.79	3.83	965.4272	0.003974			5
3.98	4.01	4.02	633.892	0.003553			6
Height Summation:			**6104.6019**				
Amount Avg CF:			**0.004701**	Linear:			
Aroclor-1248					**5**	**107.09**	
3.79	3.79	3.83	965.4272	0.00554			1
3.86	3.87	3.90	1857.111	0.006786			2
3.98	4.01	4.02	633.892	0.002003			3
4.07	4.09	4.11	277.379	0.001019			4
4.64	4.65	4.68	4381.937	0.019793			6
Height Summation:			**8115.7462**				
Amount Avg CF:			**0.007028**	Linear:			
Aroclor-1254					**4**	**58.08**	
4.58	4.60	4.62	1850.013	0.005348			2
4.64	4.65	4.68	4381.937	0.006551			3
4.86	4.86	4.89	689.2774	0.001401			5
5.05	5.06	5.09	1034.486	0.002827			6
+ 5.05	5.09	5.09	696.4933	0.001903			6
Height Summation:			**7955.7134**				
Amount Avg CF:			**0.004032**	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:37:16
Instrument : CP25--18274B
Result file : 25PCBS17116016B.034.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**65.69**	
2.89	2.89	2.93	1577.335	0.004817			1
3.41	3.42	3.45	4675.537	0.009485			3
3.65	3.69	3.69	6361.552	0.015307			5
3.74	3.77	3.78	1252.918	0.003299			6
Height Summation:			**13867.342**				
Amount Avg CF:			**0.008227**	Linear:			
Aroclor-1221					**2**	**139.43**	
2.84	2.84	2.88	52672.58	0.501983			2
2.89	2.89	2.93	1577.335	0.00356			3
Height Summation:			**54249.915**				
Amount Avg CF:			**0.252771**	Linear:			
Aroclor-1232					**4**	**86.52**	
2.89	2.89	2.93	1577.335	0.003852			1
3.41	3.42	3.45	4675.537	0.021138			3
3.65	3.69	3.69	6361.552	0.036162			5
3.75	3.77	3.79	1252.918	0.007136			6
Height Summation:			**13867.342**				
Amount Avg CF:			**0.017072**	Linear:			
Aroclor-1242					**3**	**58.00**	
2.89	2.89	2.93	1577.335	0.005751			1
3.41	3.42	3.45	4675.537	0.01181			3
3.74	3.77	3.78	1252.918	0.00388			6
Height Summation:			**7505.79**				
Amount Avg CF:			**0.007147**	Linear:			
Aroclor-1248					**4**	**70.40**	
3.41	3.42	3.45	4675.537	0.023716			1
3.65	3.69	3.69	6361.552	0.010561			3
3.74	3.77	3.78	1252.918	0.002723			4
4.24	4.25	4.28	5353.398	0.012216			6
Height Summation:			**17643.405**				
Amount Avg CF:			**0.012304**	Linear:			
Aroclor-1254					**1**		
4.24	4.25	4.28	5353.398	0.003797			2
Height Summation:			**5353.398**				
Amount Avg CF:			**0.003797**	Linear:			
Aroclor-1260					**3**	**56.06**	
4.57	4.59	4.61	1367.01	0.001324			3
4.92	4.94	4.96	1587.318	0.001919			4
5.37	5.39	5.41	4726.783	0.003862			6
Height Summation:			**7681.111**				
Amount Avg CF:			**0.002368**	Linear:			
Aroclor-1262					**3**	**36.40**	
4.92	4.94	4.96	1587.318	0.001214			2
5.33	5.34	5.36	2156.929	0.002096			4
5.37	5.39	5.41	4726.783	0.002646			5
Height Summation:			**8471.03**				
Amount Avg CF:			**0.001985**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVR Sample ID: VR **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 21, 2017 23:37:16
Instrument : CP25--18274A
Result file : 25PCBS17116016.034.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**2**	**12.69**	
5.05	5.06	5.09	1034.486	0.003691			2
+ 5.05	5.09	5.09	696.4933	0.002485			2
5.83	5.85	5.87	1830.386	0.003083			6
Height Summation:			**2864.872**				
Amount Avg CF:			**0.003387**	Linear:			
Aroclor-1262					**2**	**10.62**	
5.83	5.85	5.87	1830.386	0.002289			4
5.89	5.91	5.93	975.2111	0.002661			5
Height Summation:			**2805.5971**				
Amount Avg CF:			**0.002475**	Linear:			
Aroclor-1268					**5**	**160.43**	
5.83	5.85	5.87	1830.386	0.001297			1
5.89	5.91	5.93	975.2111	0.000759			2
6.03	6.04	6.07	23114.9	0.019375			3
6.09	6.11	6.13	26251.61	0.084589			4
6.47	6.48	6.51	21329.59	0.005137			6
Height Summation:			**73501.6971**				
Amount Avg CF:			**0.022231**	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:37:16
Instrument : CP25--18274B
Result file : 25PCBS17116016B.034.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**160.77**	
5.33	5.34	5.37	2156.929	0.000664			1
5.37	5.39	5.41	4726.783	0.001495			2
5.53	5.54	5.57	54773.21	0.019914			3
5.59	5.61	5.63	58806.82	0.086827			4
5.95	5.97	5.99	49076.88	0.005025			6
Height Summation:			**169540.622**				
Amount Avg CF:			**0.022785**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 71.42	4	40	
Aroclor-1221						27.69	3	5	
Aroclor-1232						** 75.83	4	10	
Aroclor-1242						** 41.28	4	30	
Aroclor-1248						** 54.58	4	40	
Aroclor-1254						6.00	4	40	
Aroclor-1260						35.41	4	40	
Aroclor-1262						21.96	4	40	
Aroclor-1268						2.46	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/22/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:35

Lab File ID: 25PCBS17116016.055.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163CY Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.95	2.92	2.98	42.05	40.08	5
Decachlorobiphenyl	6.63	6.61	6.67	39.45	40.08	-2
Aroclor-1016	3.20	3.18	3.22	205.19	200.04	3
	3.42	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	200.08	200.20	0
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/22/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:35

Lab File ID: 25PCBS17116016B.055.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163CY Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	46.45	40.08	16
Decachlorobiphenyl	6.13	6.10	6.16	40.88	40.08	2
Aroclor-1016	2.91	2.89	2.93	225.93	200.04	13
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	216.13	200.20	8
	4.49	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17**24A PIBLKVS Sample ID: VS **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 03:46:42
Instrument : CP25--18274A
Result file : 25PCBS17116016.056.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**47.63**	
3.18	3.20	3.22	428.7407	0.001841			1
3.40	3.40	3.44	954.4904	0.004318			2
3.51	3.52	3.55	1399.281	0.004997			3
3.73	3.75	3.77	520.6432	0.00153			4
3.79	3.80	3.83	959.5535	0.003157			5
Height Summation:			**4262.7088**				
Amount Avg CF:			**0.003169**	Linear:			
Aroclor-1221					**3**	**168.86**	
3.07	3.09	3.11	585.5811	0.005162			1
3.13	3.14	3.17	39782.59	0.382023			2
3.18	3.20	3.22	428.7407	0.001345			3
Height Summation:			**40796.9118**				
Amount Avg CF:			**0.12951**	Linear:			
Aroclor-1232					**5**	**53.85**	
3.18	3.20	3.22	428.7407	0.001505			1
3.40	3.40	3.44	954.4904	0.009037			2
3.52	3.52	3.56	1399.281	0.010069			3
+ 3.74	3.75	3.78	520.6432	0.003055			4
3.74	3.77	3.78	791.7372	0.004646			4
3.79	3.80	3.83	959.5535	0.006767			5
Height Summation:			**4533.8028**				
Amount Avg CF:			**0.006405**	Linear:			
Aroclor-1242					**5**	**47.58**	
3.18	3.20	3.22	428.7407	0.002169			1
3.40	3.40	3.44	954.4904	0.005206			2
3.51	3.52	3.55	1399.281	0.005985			3
3.73	3.75	3.77	520.6432	0.001837			4
3.79	3.80	3.83	959.5535	0.003949			5
Height Summation:			**4262.7088**				
Amount Avg CF:			**0.003829**	Linear:			
Aroclor-1248					**3**	**79.65**	
3.79	3.80	3.83	959.5535	0.005506			1
3.86	3.87	3.90	1519.64	0.005553			2
4.64	4.66	4.68	4350.487	0.019651			6
Height Summation:			**6829.6805**				
Amount Avg CF:			**0.010237**	Linear:			
Aroclor-1254					**5**	**62.07**	
4.58	4.60	4.62	796.9802	0.002304			2
4.64	4.66	4.68	4350.487	0.006504			3
4.77	4.80	4.81	448.6458	0.002076			4
4.86	4.87	4.89	728.7032	0.001481			5
5.05	5.06	5.09	1497.646	0.004093			6
+ 5.05	5.09	5.09	874.2963	0.002389			6
Height Summation:			**7822.4622**				
Amount Avg CF:			**0.003291**	Linear:			
Aroclor-1260					**3**	**81.03**	
4.76	4.80	4.80	448.6458	0.000928			1
5.05	5.06	5.09	1497.646	0.005344			2
+ 5.05	5.09	5.09	874.2963	0.00312			2
5.83	5.85	5.87	1284.36	0.002163			6
Height Summation:			**3230.6518**				
Amount Avg CF:			**0.002812**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:46:42
Instrument : CP25--18274B
Result file : 25PCBS17116016B.056.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**53.85**	
3.41	3.42	3.45	5563.29	0.011286			3
3.49	3.49	3.53	966.9991	0.001886			4
3.65	3.68	3.69	3202.481	0.007706			5
3.74	3.75	3.78	3758.517	0.009898			6
Height Summation:			**13491.2871**				
Amount Avg CF:			**0.007694**	Linear:			
Aroclor-1221					**1**		
2.84	2.84	2.88	55771.77	0.531519			2
Height Summation:			**55771.77**				
Amount Avg CF:			**0.531519**	Linear:			
Aroclor-1232					**4**	**52.93**	
3.41	3.42	3.45	5563.29	0.025152			3
3.49	3.49	3.53	966.9991	0.004233			4
3.65	3.68	3.69	3202.481	0.018205			5
3.75	3.75	3.79	3758.517	0.021405			6
Height Summation:			**13491.2871**				
Amount Avg CF:			**0.017249**	Linear:			
Aroclor-1242					**4**	**53.50**	
3.41	3.42	3.45	5563.29	0.014052			3
3.49	3.49	3.53	966.9991	0.002394			4
3.65	3.68	3.69	3202.481	0.009483			5
3.74	3.75	3.78	3758.517	0.011639			6
Height Summation:			**13491.2871**				
Amount Avg CF:			**0.009392**	Linear:			
Aroclor-1248					**6**	**112.10**	
3.41	3.42	3.45	5563.29	0.02822			1
3.52	3.54	3.56	1938.444	0.003849			2
3.65	3.68	3.69	3202.481	0.005317			3
3.74	3.75	3.78	3758.517	0.00817			4
3.88	3.91	3.92	4961.99	0.005363			5
4.24	4.24	4.28	653.4069	0.001491			6
Height Summation:			**20078.1289**				
Amount Avg CF:			**0.008735**	Linear:			
Aroclor-1254					**3**	**63.16**	
4.24	4.24	4.28	653.4069	0.000463			2
4.33	4.35	4.37	1556.932	0.002405			3
4.62	4.64	4.66	1359.562	0.001977			6
Height Summation:			**3569.9009**				
Amount Avg CF:			**0.001615**	Linear:			
Aroclor-1260					**4**	**76.88**	
4.33	4.35	4.37	1556.932	0.001483			1
4.92	4.94	4.96	1505.509	0.00182			4
5.11	5.13	5.15	1305.333	0.00064			5
5.37	5.39	5.41	5309.582	0.004339			6
Height Summation:			**9677.356**				
Amount Avg CF:			**0.00207**	Linear:			
Aroclor-1262					**3**	**84.18**	
4.92	4.94	4.96	1505.509	0.001151			2
5.11	5.13	5.15	1305.333	0.000477			3
5.37	5.39	5.41	5309.582	0.002972			5
Height Summation:			**8120.424**				
Amount Avg CF:			**0.001534**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKVS Sample ID: VS **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 03:46:42
Instrument : CP25--18274A
Result file : 25PCBS17116016.056.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**28.40**	
5.83	5.85	5.87	1284.36	0.001606			4
5.89	5.91	5.93	642.0002	0.001752			5
6.26	6.27	6.30	463.2592	0.000979			6
Height Summation:			**2389.6194**				
Amount Avg CF:			**0.001446**	Linear:			
Aroclor-1268					**6**	**180.85**	
5.83	5.85	5.87	1284.36	0.00091			1
5.89	5.91	5.93	642.0002	0.0005			2
6.03	6.04	6.07	23253.02	0.019491			3
6.09	6.11	6.13	28067.25	0.090439			4
6.26	6.27	6.30	463.2592	0.000916			5
6.47	6.48	6.51	22271.93	0.005364			6
Height Summation:			**75981.8194**				
Amount Avg CF:			**0.019603**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:46:42
Instrument : CP25--18274B
Result file : 25PCBS17116016B.056.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**143.39**	
5.37	5.39	5.41	5309.582	0.001679			2
5.53	5.54	5.57	55168.84	0.020058			3
5.59	5.61	5.63	64246.16	0.094859			4
5.95	5.97	5.99	50969.05	0.005218			6
Height Summation:			**175693.632**				
Amount Avg CF:			**0.030454**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 83.32	4	40	
Aroclor-1221						** 121.63	3	5	
Aroclor-1232						** 91.69	4	10	
Aroclor-1242						** 84.14	4	30	
Aroclor-1248						15.83	4	40	
Aroclor-1254						** 68.33	4	40	
Aroclor-1260						30.37	4	40	
Aroclor-1262						5.89	4	40	
Aroclor-1268						** 43.35	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/22/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 7:44

Lab File ID: 25PCBS17116016.077.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163CZ Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	42.79	40.08	7
Decachlorobiphenyl	6.63	6.61	6.67	39.47	40.08	-2
Aroclor-1016	3.20	3.18	3.22	211.19	200.04	6
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	203.50	200.20	2
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/22/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 7:44

Lab File ID: 25PCBS17116016B.077.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163CZ Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	47.95	40.08	20
Decachlorobiphenyl	6.13	6.10	6.16	42.44	40.08	6
Aroclor-1016	2.91	2.89	2.93	226.35	200.04	13
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	223.02	200.20	11
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVT Sample ID: VT **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 07:56:00
Instrument : CP25--18274A
Result file : 25PCBS17116016.078.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**24.93**	
3.40	3.40	3.44	1057.55	0.004784			2
3.51	3.52	3.55	1039.169	0.003711			3
3.73	3.75	3.77	986.7097	0.0029			4
3.79	3.80	3.83	874.5536	0.002878			5
3.98	4.01	4.02	599.8391	0.002797			6
Height Summation:			**4557.8214**				
Amount Avg CF:			**0.003414**	Linear:			
Aroclor-1221					**1**		
3.13	3.14	3.17	40693.72	0.390773			2
Height Summation:			**40693.72**				
Amount Avg CF:			**0.390773**	Linear:			
Aroclor-1232					**5**	**23.68**	
3.40	3.40	3.44	1057.55	0.010012			2
3.52	3.52	3.56	1039.169	0.007478			3
3.74	3.75	3.78	986.7097	0.00579			4
+ 3.74	3.77	3.78	798.6844	0.004687			4
3.79	3.80	3.83	874.5536	0.006168			5
+ 3.79	3.83	3.83	652.8896	0.004605			5
3.99	4.01	4.03	599.8391	0.006471			6
Height Summation:			**4557.8214**				
Amount Avg CF:			**0.007184**	Linear:			
Aroclor-1242					**5**	**24.43**	
3.40	3.40	3.44	1057.55	0.005768			2
3.51	3.52	3.55	1039.169	0.004445			3
3.73	3.75	3.77	986.7097	0.003482			4
3.79	3.80	3.83	874.5536	0.0036			5
3.98	4.01	4.02	599.8391	0.003362			6
Height Summation:			**4557.8214**				
Amount Avg CF:			**0.004131**	Linear:			
Aroclor-1248					**5**	**86.77**	
3.79	3.80	3.83	874.5536	0.005018			1
3.86	3.87	3.90	1583.641	0.005787			2
3.98	4.01	4.02	599.8391	0.001895			3
4.07	4.11	4.11	855.2994	0.003141			4
4.64	4.65	4.68	3479.719	0.015718			6
Height Summation:			**7393.0521**				
Amount Avg CF:			**0.006312**	Linear:			
Aroclor-1254					**4**	**40.80**	
4.58	4.60	4.62	1982.666	0.005731			2
4.64	4.65	4.68	3479.719	0.005202			3
4.86	4.87	4.89	865.0264	0.001758			5
5.05	5.06	5.09	1759.619	0.004809			6
Height Summation:			**8087.0304**				
Amount Avg CF:			**0.004375**	Linear:			
Aroclor-1260					**3**	**73.66**	
5.05	5.06	5.09	1759.619	0.006279			2
5.23	5.26	5.27	324.8994	0.000988			3
5.83	5.85	5.87	2084.785	0.003512			6
Height Summation:			**4169.3034**				
Amount Avg CF:			**0.003593**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 07:56:00
Instrument : CP25--18274B
Result file : 25PCBS17116016B.078.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**61.75**	
2.89	2.89	2.93	1173.713	0.003584			1
3.41	3.42	3.45	4505.008	0.009139			3
Height Summation:			**5678.721**				
Amount Avg CF:			**0.006362**	Linear:			
Aroclor-1221					**2**	**140.03**	
2.84	2.84	2.88	56117.88	0.534817			2
2.89	2.89	2.93	1173.713	0.002649			3
Height Summation:			**57291.593**				
Amount Avg CF:			**0.268733**	Linear:			
Aroclor-1232					**2**	**106.53**	
2.89	2.89	2.93	1173.713	0.002866			1
3.41	3.42	3.45	4505.008	0.020367			3
Height Summation:			**5678.721**				
Amount Avg CF:			**0.011617**	Linear:			
Aroclor-1242					**2**	**64.12**	
2.89	2.89	2.93	1173.713	0.00428			1
3.41	3.42	3.45	4505.008	0.011379			3
Height Summation:			**5678.721**				
Amount Avg CF:			**0.007829**	Linear:			
Aroclor-1248					**4**	**89.51**	
3.41	3.42	3.45	4505.008	0.022851			1
3.52	3.53	3.56	941.9227	0.00187			2
3.88	3.91	3.92	4998.156	0.005403			5
4.24	4.25	4.28	4781.974	0.010912			6
Height Summation:			**15227.0607**				
Amount Avg CF:			**0.010259**	Linear:			
Aroclor-1254					**5**	**38.74**	
4.24	4.25	4.28	4781.974	0.003391			2
4.33	4.35	4.37	1665.476	0.002573			3
4.40	4.43	4.44	844.6543	0.000896			4
4.47	4.50	4.51	1714.903	0.00328			5
4.62	4.64	4.66	2007.386	0.002919			6
Height Summation:			**11014.3933**				
Amount Avg CF:			**0.002612**	Linear:			
Aroclor-1260					**6**	**54.18**	
4.33	4.35	4.37	1665.476	0.001586			1
4.47	4.50	4.51	1714.903	0.001426			2
4.57	4.59	4.61	2289.448	0.002217			3
4.92	4.92	4.96	1287.712	0.001556			4
5.11	5.13	5.15	2186.048	0.001071			5
5.37	5.39	5.41	4945.484	0.004041			6
Height Summation:			**14089.071**				
Amount Avg CF:			**0.001983**	Linear:			
Aroclor-1262					**4**	**56.18**	
4.92	4.92	4.96	1287.712	0.000985			2
5.11	5.13	5.15	2186.048	0.000799			3
5.33	5.34	5.36	2065.153	0.002007			4
5.37	5.39	5.41	4945.484	0.002769			5
Height Summation:			**10484.397**				
Amount Avg CF:			**0.00164**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVT Sample ID: VT **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 07:56:00
Instrument : CP25--18274A
Result file : 25PCBS17116016.078.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**61.44**	
5.23	5.26	5.27	324.8994	0.000553			1
5.83	5.85	5.87	2084.785	0.002608			4
5.89	5.93	5.93	724.5488	0.001977			5
Height Summation:			**3134.2332**				
Amount Avg CF:			**0.001713**	Linear:			
Aroclor-1268					**5**	**164.92**	
5.83	5.85	5.87	2084.785	0.001477			1
5.89	5.93	5.93	724.5488	0.000564			2
6.03	6.04	6.07	28474.17	0.023867			3
6.09	6.11	6.13	34120.21	0.109943			4
6.47	6.48	6.51	22808.57	0.005493			6
Height Summation:			**88212.2838**				
Amount Avg CF:			**0.028269**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 07:56:00
Instrument : CP25--18274B
Result file : 25PCBS17116016B.078.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**163.67**	
5.33	5.34	5.37	2065.153	0.000635			1
5.37	5.39	5.41	4945.484	0.001564			2
5.53	5.54	5.57	68113.05	0.024764			3
5.59	5.61	5.63	74471.33	0.109956			4
5.95	5.97	5.99	52911.09	0.005417			6
Height Summation:			**202506.107**				
Amount Avg CF:			**0.028467**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 60.31	4	40	
Aroclor-1221						37.01	3	5	
Aroclor-1232						** 47.16	4	10	
Aroclor-1242						** 61.83	4	30	
Aroclor-1248						** 47.64	4	40	
Aroclor-1254						** 50.47	4	40	
Aroclor-1260						** 57.74	4	40	
Aroclor-1262						4.35	4	40	
Aroclor-1268						0.70	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/22/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 11:20

Lab File ID: 25PCBS17116016.096.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163DA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	41.74	40.08	4
Decachlorobiphenyl	6.63	6.61	6.67	39.56	40.08	-1
Aroclor-1016	3.20	3.18	3.22	200.49	200.04	0
	3.41	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	198.99	200.20	-1
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/22/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 11:20

Lab File ID: 25PCBS17116016B.096.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163DA Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	46.86	40.08	17
Decachlorobiphenyl	6.12	6.10	6.16	41.33	40.08	3
Aroclor-1016	2.91	2.89	2.93	223.48	200.04	12
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	215.74	200.20	8
	4.48	4.47	4.51			
	4.59	4.57	4.61			
	4.93	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVU Sample ID: VU **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 11:32:29
Instrument : CP25--18274A
Result file : 25PCBS17116016.097.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**57.22**	
3.40	3.40	3.44	1043.734	0.004722			2
3.51	3.52	3.55	1336.108	0.004771			3
+ 3.51	3.54	3.55	722.5428	0.00258			3
3.73	3.76	3.77	285.1787	0.000838			4
3.79	3.80	3.83	840.6576	0.002766			5
Height Summation:			**3505.6783**				
Amount Avg CF:			**0.003274**	Linear:			
Aroclor-1221					**2**	**134.86**	
3.07	3.09	3.11	1021.602	0.009005			1
3.13	3.14	3.17	39463.23	0.378957			2
Height Summation:			**40484.832**				
Amount Avg CF:			**0.193981**	Linear:			
Aroclor-1232					**4**	**56.82**	
3.40	3.40	3.44	1043.734	0.009882			2
3.52	3.52	3.56	1336.108	0.009615			3
+ 3.52	3.54	3.56	722.5428	0.005199			3
3.74	3.76	3.78	285.1787	0.001673			4
3.79	3.80	3.83	840.6576	0.005929			5
Height Summation:			**3505.6783**				
Amount Avg CF:			**0.006775**	Linear:			
Aroclor-1242					**4**	**56.45**	
3.40	3.40	3.44	1043.734	0.005693			2
3.51	3.52	3.55	1336.108	0.005715			3
+ 3.51	3.54	3.55	722.5428	0.00309			3
3.73	3.76	3.77	285.1787	0.001006			4
3.79	3.80	3.83	840.6576	0.00346			5
Height Summation:			**3505.6783**				
Amount Avg CF:			**0.003969**	Linear:			
Aroclor-1248					**4**	**103.73**	
3.79	3.80	3.83	840.6576	0.004824			1
3.86	3.87	3.90	2033.167	0.00743			2
4.07	4.11	4.11	501.5927	0.001842			4
4.64	4.66	4.68	5276.337	0.023833			6
Height Summation:			**8651.7543**				
Amount Avg CF:			**0.009482**	Linear:			
Aroclor-1254					**5**	**54.00**	
4.24	4.24	4.28	2026.066	0.006951			1
4.58	4.61	4.62	2242.272	0.006482			2
4.64	4.66	4.68	5276.337	0.007888			3
4.86	4.87	4.89	620.7379	0.001262			5
5.05	5.07	5.09	1195.333	0.003267			6
Height Summation:			**11360.7459**				
Amount Avg CF:			**0.00517**	Linear:			
Aroclor-1260					**2**	**27.64**	
5.05	5.07	5.09	1195.333	0.004265			2
5.83	5.86	5.87	1704.042	0.00287			6
Height Summation:			**2899.375**				
Amount Avg CF:			**0.003568**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 11:32:29
Instrument : CP25--18274B
Result file : 25PCBS17116016B.097.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**52.93**	
2.89	2.90	2.93	1298.294	0.003965			1
3.41	3.42	3.45	8655.433	0.017559			3
3.65	3.69	3.69	8216.692	0.01977			5
3.74	3.76	3.78	4541.238	0.011959			6
Height Summation:			**22711.657**				
Amount Avg CF:			**0.013313**	Linear:			
Aroclor-1221					**2**	**139.75**	
2.84	2.84	2.88	51866.68	0.494302			2
2.89	2.90	2.93	1298.294	0.00293			3
Height Summation:			**53164.974**				
Amount Avg CF:			**0.248616**	Linear:			
Aroclor-1232					**4**	**66.46**	
2.89	2.90	2.93	1298.294	0.00317			1
3.41	3.42	3.45	8655.433	0.039132			3
3.65	3.69	3.69	8216.692	0.046708			5
3.75	3.76	3.79	4541.238	0.025863			6
Height Summation:			**22711.657**				
Amount Avg CF:			**0.028718**	Linear:			
Aroclor-1242					**4**	**54.38**	
2.89	2.90	2.93	1298.294	0.004734			1
3.41	3.42	3.45	8655.433	0.021863			3
3.65	3.69	3.69	8216.692	0.02433			5
3.74	3.76	3.78	4541.238	0.014062			6
Height Summation:			**22711.657**				
Amount Avg CF:			**0.016247**	Linear:			
Aroclor-1248					**4**	**87.31**	
3.41	3.42	3.45	8655.433	0.043904			1
3.65	3.69	3.69	8216.692	0.013641			3
3.74	3.76	3.78	4541.238	0.009871			4
3.88	3.91	3.92	8271.547	0.008941			5
Height Summation:			**29684.91**				
Amount Avg CF:			**0.019089**	Linear:			
Aroclor-1254					**2**	**38.83**	
4.47	4.50	4.51	2428.683	0.004646			5
4.62	4.65	4.66	1818.416	0.002644			6
Height Summation:			**4247.099**				
Amount Avg CF:			**0.003645**	Linear:			
Aroclor-1260					**3**	**50.24**	
4.47	4.50	4.51	2428.683	0.002019			2
4.92	4.94	4.96	1756.869	0.002124			4
5.37	5.39	5.41	5638.937	0.004608			6
Height Summation:			**9824.489**				
Amount Avg CF:			**0.002917**	Linear:			
Aroclor-1262					**4**	**60.01**	
4.92	4.94	4.96	1756.869	0.001343			2
5.33	5.35	5.36	4540.332	0.004412			4
5.37	5.39	5.41	5638.937	0.003157			5
5.75	5.77	5.79	1284.793	0.001252			6
Height Summation:			**13220.931**				
Amount Avg CF:			**0.002541**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVU Sample ID: VU **Batchnumber: 1714099999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 11:32:29
Instrument : CP25--18274A
Result file : 25PCBS17116016.097.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**29.91**	
5.83	5.86	5.87	1704.042	0.002131			4
5.89	5.93	5.93	861.0995	0.00235			5
6.26	6.26	6.30	599.0816	0.001266			6
Height Summation:			**3164.2231**				
Amount Avg CF:			**0.001916**	Linear:			
Aroclor-1268					**6**	**183.72**	
5.83	5.86	5.87	1704.042	0.001207			1
5.89	5.93	5.93	861.0995	0.00067			2
6.03	6.05	6.07	30358.02	0.025447			3
6.09	6.11	6.13	37348.48	0.120345			4
6.26	6.26	6.30	599.0816	0.001185			5
6.47	6.49	6.51	23390.83	0.005633			6
Height Summation:			**94261.5531**				
Amount Avg CF:			**0.025748**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 11:32:29
Instrument : CP25--18274B
Result file : 25PCBS17116016B.097.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**183.62**	
5.33	5.35	5.37	4540.332	0.001397			1
5.37	5.39	5.41	5638.937	0.001784			2
5.53	5.55	5.57	71685.7	0.026063			3
5.59	5.61	5.63	85242.5	0.125859			4
5.75	5.77	5.79	1284.793	0.001121			5
5.95	5.97	5.99	51861.4	0.00531			6
Height Summation:			**220253.662**				
Amount Avg CF:			**0.026922**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 121.04	4	40	
Aroclor-1221						24.69	3	5	
Aroclor-1232						** 123.65	4	10	
Aroclor-1242						** 121.48	4	30	
Aroclor-1248						** 67.25	4	40	
Aroclor-1254						34.60	4	40	
Aroclor-1260						20.08	4	40	
Aroclor-1262						28.07	4	40	
Aroclor-1268						4.46	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/22/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 16:08

Lab File ID: 25PCBS17116017.005.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163DE Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.94	2.92	2.98	42.07	40.08	5
Decachlorobiphenyl	6.63	6.61	6.67	40.59	40.08	1
Aroclor-1016	3.20	3.18	3.22	205.39	200.04	3
	3.42	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.00	3.98	4.02			
Aroclor-1260	4.78	4.76	4.80	201.75	200.20	1
	5.07	5.05	5.09			
	5.25	5.23	5.27			
	5.41	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/22/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 16:08

Lab File ID: 25PCBS17116017B.005.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163DE Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	47.13	40.08	18
Decachlorobiphenyl	6.13	6.10	6.16	41.99	40.08	5
Aroclor-1016	2.91	2.89	2.93	222.74	200.04	11
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	222.66	200.20	11
	4.49	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 11

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKWL Sample ID: WL **Batchnumber: 1714199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 16:19:22
Instrument : CP25--18274A
Result file : 25PCBS17116017.006.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**34.92**	
3.40	3.40	3.44	863.2708	0.003905			2
3.51	3.52	3.55	1235.923	0.004414			3
3.73	3.75	3.77	579.5626	0.001703			4
3.79	3.80	3.83	837.576	0.002756			5
3.98	4.01	4.02	568.5203	0.002651			6
Height Summation:			**4084.8527**				
Amount Avg CF:			**0.003086**	Linear:			
Aroclor-1221					**2**	**135.60**	
3.07	3.09	3.11	909.9737	0.008021			1
3.13	3.14	3.17	39766.18	0.381866			2
Height Summation:			**40676.1537**				
Amount Avg CF:			**0.194944**	Linear:			
Aroclor-1232					**5**	**33.19**	
3.40	3.40	3.44	863.2708	0.008173			2
3.52	3.52	3.56	1235.923	0.008894			3
3.74	3.75	3.78	579.5626	0.003401			4
3.79	3.80	3.83	837.576	0.005907			5
3.99	4.01	4.03	568.5203	0.006133			6
Height Summation:			**4084.8527**				
Amount Avg CF:			**0.006501**	Linear:			
Aroclor-1242					**5**	**34.37**	
3.40	3.40	3.44	863.2708	0.004709			2
3.51	3.52	3.55	1235.923	0.005286			3
3.73	3.75	3.77	579.5626	0.002045			4
3.79	3.80	3.83	837.576	0.003447			5
3.98	4.01	4.02	568.5203	0.003187			6
Height Summation:			**4084.8527**				
Amount Avg CF:			**0.003735**	Linear:			
Aroclor-1248					**6**	**134.10**	
3.79	3.80	3.83	837.576	0.004806			1
3.86	3.87	3.90	2055.478	0.007511			2
3.98	4.01	4.02	568.5203	0.001796			3
4.07	4.11	4.11	473.838	0.00174			4
4.25	4.27	4.29	418.6651	0.001545			5
4.64	4.66	4.68	6025.36	0.027217			6
Height Summation:			**10379.4374**				
Amount Avg CF:			**0.007436**	Linear:			
Aroclor-1254					**4**	**70.56**	
4.24	4.27	4.28	418.6651	0.001436			1
4.58	4.60	4.62	2181.001	0.006304			2
4.64	4.66	4.68	6025.36	0.009008			3
+ 5.05	5.07	5.09	924.5704	0.002527			6
5.05	5.09	5.09	1005.126	0.002747			6
Height Summation:			**9630.1521**				
Amount Avg CF:			**0.004874**	Linear:			
Aroclor-1260					**2**	**38.61**	
+ 5.05	5.07	5.09	924.5704	0.003299			2
5.05	5.09	5.09	1005.126	0.003586			2
5.83	5.85	5.87	1215.85	0.002048			6
Height Summation:			**2220.976**				
Amount Avg CF:			**0.002817**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:19:22
Instrument : CP25--18274B
Result file : 25PCBS17116017B.006.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**70.46**	
3.41	3.42	3.45	9348.187	0.018965			3
3.74	3.75	3.78	2412.077	0.006352			6
Height Summation:			**11760.264**				
Amount Avg CF:			**0.012658**	Linear:			
Aroclor-1221					**1**		
2.84	2.84	2.88	52823.36	0.50342			2
Height Summation:			**52823.36**				
Amount Avg CF:			**0.50342**	Linear:			
Aroclor-1232					**3**	**48.88**	
3.41	3.42	3.45	9348.187	0.042264			3
3.65	3.69	3.69	6296.605	0.035793			5
3.75	3.75	3.79	2412.077	0.013737			6
Height Summation:			**18056.869**				
Amount Avg CF:			**0.030598**	Linear:			
Aroclor-1242					**2**	**73.45**	
3.41	3.42	3.45	9348.187	0.023613			3
3.74	3.75	3.78	2412.077	0.007469			6
Height Summation:			**11760.264**				
Amount Avg CF:			**0.015541**	Linear:			
Aroclor-1248					**2**	**113.26**	
3.41	3.42	3.45	9348.187	0.047418			1
3.74	3.75	3.78	2412.077	0.005243			4
Height Summation:			**11760.264**				
Amount Avg CF:			**0.026331**	Linear:			
Aroclor-1254					**2**	**7.25**	
4.33	4.35	4.37	1538.457	0.002376			3
4.62	4.64	4.66	1474.872	0.002145			6
Height Summation:			**3013.329**				
Amount Avg CF:			**0.00226**	Linear:			
Aroclor-1260					**3**	**75.53**	
4.33	4.35	4.37	1538.457	0.001465			1
4.57	4.59	4.61	1595.64	0.001545			3
5.37	5.39	5.41	6113.678	0.004996			6
Height Summation:			**9247.775**				
Amount Avg CF:			**0.002669**	Linear:			
Aroclor-1262					**2**	**21.35**	
4.73	4.74	4.77	3338.631	0.002525			1
5.37	5.39	5.41	6113.678	0.003423			5
Height Summation:			**9452.309**				
Amount Avg CF:			**0.002974**	Linear:			
Aroclor-1268					**4**	**144.10**	
5.37	5.39	5.41	6113.678	0.001934			2
5.53	5.54	5.57	57435.43	0.020882			3
5.59	5.61	5.63	67683.27	0.099933			4
5.95	5.97	5.99	49940.07	0.005113			6
Height Summation:			**181172.448**				
Amount Avg CF:			**0.031966**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKWL Sample ID: WL **Batchnumber: 1714199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 16:19:22
Instrument : CP25--18274A
Result file : 25PCBS17116017.006.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**2**	**55.13**	
5.83	5.85	5.87	1215.85	0.001521			4
5.89	5.91	5.93	1269.499	0.003464			5
Height Summation:			**2485.349**				
Amount Avg CF:			**0.002492**	Linear:			
Aroclor-1268					**5**	**164.77**	
5.83	5.85	5.87	1215.85	0.000861			1
5.89	5.91	5.93	1269.499	0.000988			2
6.03	6.04	6.07	25260.85	0.021174			3
6.09	6.11	6.13	31034.54	0.1			4
6.47	6.48	6.51	22869.23	0.005508			6
Height Summation:			**81649.969**				
Amount Avg CF:			**0.025706**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:19:22
Instrument : CP25--18274B
Result file : 25PCBS17116017B.006.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 121.60	4	40	
Aroclor-1221						** 88.34	3	5	
Aroclor-1232						** 129.90	4	10	
Aroclor-1242						** 122.50	4	30	
Aroclor-1248						** 111.91	4	40	
Aroclor-1254						** 73.26	4	40	
Aroclor-1260						5.42	4	40	
Aroclor-1262						17.61	4	40	
Aroclor-1268						21.71	4	40	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274A Date Analyzed: 05/22/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 17:38

Lab File ID: 25PCBS17116017.013.RAW Initial Calibration: 25PCBS1711601

Lab Standard ID: AR163DF Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.95	2.92	2.98	40.35	40.08	1
Decachlorobiphenyl	6.64	6.61	6.67	36.87	40.08	-8
Aroclor-1016	3.20	3.18	3.22	200.86	200.04	0
	3.42	3.40	3.44			
	3.53	3.51	3.55			
	3.75	3.73	3.77			
	3.81	3.79	3.83			
	4.01	3.98	4.02			
Aroclor-1260	4.79	4.76	4.80	195.08	200.20	-3
	5.08	5.05	5.09			
	5.26	5.23	5.27			
	5.42	5.40	5.44			
	5.65	5.63	5.67			
	5.85	5.83	5.87			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument: 18274B Date Analyzed: 05/22/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 17:38

Lab File ID: 25PCBS17116017B.013.RAW Initial Calibration: 25PCBS1711601B

Lab Standard ID: AR163DF Init. Calib Date(s): 04/26/17 04/26/17

Calibration: 25PCBS1711601B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	44.84	40.08	12
Decachlorobiphenyl	6.13	6.10	6.16	39.16	40.08	-2
Aroclor-1016	2.91	2.89	2.93	219.33	200.04	10
	3.24	3.22	3.26			
	3.43	3.41	3.45			
	3.51	3.49	3.53			
	3.67	3.65	3.69			
	3.76	3.74	3.78			
Aroclor-1260	4.35	4.33	4.37	218.37	200.20	9
	4.49	4.47	4.51			
	4.59	4.57	4.61			
	4.94	4.92	4.96			
	5.13	5.11	5.15			
	5.39	5.37	5.41			

Compounds 14 Average of %D: 8

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKWM Sample ID: WM **Batchnumber: 1714199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 17:50:06
Instrument : CP25--18274A
Result file : 25PCBS17116017.014.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**28.76**	
3.40	3.40	3.44	1159.246	0.005244			2
3.51	3.52	3.55	1203.833	0.004299			3
3.73	3.75	3.77	989.3248	0.002908			4
3.79	3.80	3.83	919.2071	0.003025			5
Height Summation:			**4271.6109**				
Amount Avg CF:			**0.003869**	Linear:			
Aroclor-1221					**2**	**137.18**	
3.07	3.09	3.11	649.9628	0.005729			1
3.13	3.14	3.17	39203.25	0.37646			2
Height Summation:			**39853.2128**				
Amount Avg CF:			**0.191095**	Linear:			
Aroclor-1232					**4**	**23.99**	
3.40	3.40	3.44	1159.246	0.010975			2
3.52	3.52	3.56	1203.833	0.008663			3
+ 3.74	3.75	3.78	989.3248	0.005805			4
3.74	3.77	3.78	1216.475	0.007138			4
3.79	3.80	3.83	919.2071	0.006483			5
+ 3.79	3.83	3.83	507.3608	0.003578			5
Height Summation:			**4498.7611**				
Amount Avg CF:			**0.008315**	Linear:			
Aroclor-1242					**4**	**27.92**	
3.40	3.40	3.44	1159.246	0.006323			2
3.51	3.52	3.55	1203.833	0.005149			3
3.73	3.75	3.77	989.3248	0.003492			4
3.79	3.80	3.83	919.2071	0.003783			5
Height Summation:			**4271.6109**				
Amount Avg CF:			**0.004687**	Linear:			
Aroclor-1248					**4**	**75.17**	
3.79	3.80	3.83	919.2071	0.005275			1
3.86	3.87	3.90	1777.963	0.006497			2
4.07	4.10	4.11	997.627	0.003663			4
4.64	4.65	4.68	3803.988	0.017183			6
Height Summation:			**7498.7851**				
Amount Avg CF:			**0.008154**	Linear:			
Aroclor-1254					**5**	**56.30**	
4.58	4.60	4.62	1759.133	0.005085			2
4.64	4.65	4.68	3803.988	0.005687			3
4.77	4.80	4.81	461.0695	0.002133			4
4.86	4.86	4.89	603.9033	0.001227			5
5.05	5.06	5.09	2408.927	0.006583			6
Height Summation:			**9037.0208**				
Amount Avg CF:			**0.004143**	Linear:			
Aroclor-1260					**4**	**114.69**	
4.76	4.80	4.80	461.0695	0.000953			1
5.05	5.06	5.09	2408.927	0.008595			2
5.63	5.67	5.67	23973.67	0.024665			5
5.83	5.85	5.87	1864.876	0.003141			6
Height Summation:			**28708.5425**				
Amount Avg CF:			**0.009339**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:50:06
Instrument : CP25--18274B
Result file : 25PCBS17116017B.014.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**69.13**	
3.41	3.42	3.45	6602.589	0.013395			3
3.49	3.49	3.53	1037.766	0.002024			4
3.65	3.69	3.69	4075.61	0.009806			5
Height Summation:			**11715.965**				
Amount Avg CF:			**0.008408**	Linear:			
Aroclor-1221					**2**	**136.69**	
2.77	2.79	2.81	1563.752	0.009203			1
2.84	2.84	2.88	56753.71	0.540877			2
Height Summation:			**58317.462**				
Amount Avg CF:			**0.27504**	Linear:			
Aroclor-1232					**3**	**68.35**	
3.41	3.42	3.45	6602.589	0.029851			3
3.49	3.49	3.53	1037.766	0.004543			4
3.65	3.69	3.69	4075.61	0.023168			5
Height Summation:			**11715.965**				
Amount Avg CF:			**0.019187**	Linear:			
Aroclor-1242					**3**	**68.92**	
3.41	3.42	3.45	6602.589	0.016677			3
3.49	3.49	3.53	1037.766	0.002569			4
3.65	3.69	3.69	4075.61	0.012068			5
Height Summation:			**11715.965**				
Amount Avg CF:			**0.010438**	Linear:			
Aroclor-1248					**4**	**113.18**	
3.41	3.42	3.45	6602.589	0.033491			1
3.65	3.69	3.69	4075.61	0.006766			3
3.88	3.90	3.92	4639.637	0.005015			5
4.24	4.25	4.28	1956.233	0.004464			6
Height Summation:			**17274.069**				
Amount Avg CF:			**0.012434**	Linear:			
Aroclor-1254					**4**	**51.89**	
4.24	4.25	4.28	1956.233	0.001387			2
4.40	4.43	4.44	1178.214	0.00125			4
4.47	4.50	4.51	1953.141	0.003736			5
4.62	4.64	4.66	1846.303	0.002685			6
Height Summation:			**6933.891**				
Amount Avg CF:			**0.002264**	Linear:			
Aroclor-1260					**4**	**21.34**	
4.47	4.50	4.51	1953.141	0.001624			2
4.57	4.58	4.61	1711.51	0.001658			3
4.92	4.94	4.96	2011.328	0.002431			4
5.37	5.38	5.41	2848.888	0.002328			6
Height Summation:			**8524.867**				
Amount Avg CF:			**0.00201**	Linear:			
Aroclor-1262					**3**	**6.28**	
4.92	4.94	4.96	2011.328	0.001538			2
5.37	5.38	5.41	2848.888	0.001595			5
5.75	5.77	5.79	1780.841	0.001736			6
Height Summation:			**6641.057**				
Amount Avg CF:			**0.001623**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKWM Sample ID: WM **Batchnumber: 1714199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2855 SDG: State:

Analysis Report (A)

Injected on : May 22, 2017 17:50:06
Instrument : CP25--18274A
Result file : 25PCBS17116017.014.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**118.05**	
5.63	5.67	5.67	23973.67	0.018395			3
5.83	5.85	5.87	1864.876	0.002333			4
5.89	5.91	5.93	962.6597	0.002627			5
Height Summation:			**26801.2057**				
Amount Avg CF:			**0.007785**	Linear:			
Aroclor-1268					**5**	**166.15**	
5.83	5.85	5.87	1864.876	0.001321			1
5.89	5.91	5.93	962.6597	0.000749			2
6.03	6.04	6.07	30519.39	0.025582			3
6.09	6.10	6.13	37435.59	0.120626			4
6.47	6.48	6.51	24256.27	0.005842			6
Height Summation:			**95038.7857**				
Amount Avg CF:			**0.030824**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:50:06
Instrument : CP25--18274B
Result file : 25PCBS17116017B.014.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**164.99**	
5.37	5.38	5.41	2848.888	0.000901			2
5.53	5.54	5.57	70431.48	0.025607			3
5.59	5.61	5.63	79797.48	0.11782			4
5.75	5.77	5.79	1780.841	0.001554			5
5.95	5.97	5.99	54015.43	0.00553			6
Height Summation:			**208874.119**				
Amount Avg CF:			**0.030283**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 73.95	4	40	
Aroclor-1221						36.02	3	5	
Aroclor-1232						** 79.07	4	10	
Aroclor-1242						** 76.05	4	30	
Aroclor-1248						** 41.57	4	40	
Aroclor-1254						** 58.64	4	40	
Aroclor-1260						** 129.15	4	40	
Aroclor-1262						** 131.00	4	40	
Aroclor-1268						1.77	4	40	

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17116001
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17116001.001	CONDITIONER		4/26/17 13:40	1711599999	1.00
9065	25PCBS17116001.002	CONDITIONER		4/26/17 13:52	1711599999	1.00
9065	25PCBS17116001.003	CONDITIONER		4/26/17 14:03	1711599999	1.00
9065	25PCBS17116001.004	CONDITIONER		4/26/17 14:14	1711599999	1.00
9065	25PCBS17116001.005	IBLKX1724A	PIBLKAA	4/26/17 14:26	1711599999	10.00
9065	25PCBS17116001.006	EVALX1624B	EVALXAA	4/26/17 14:37	1711599999	1.00
9065	25PCBS17116001.007	AR1611724A	AR161AA	4/26/17 14:49	1711599999	1.00
9065	25PCBS17116001.008	AR1621724A	AR162AA	4/26/17 15:00	1711599999	1.00
9065	25PCBS17116001.009	AR1631724A	AR163AA	4/26/17 15:11	1711599999	1.00
9065	25PCBS17116001.010	AR1641724A	AR164AA	4/26/17 15:22	1711599999	1.00
9065	25PCBS17116001.011	AR1651724A	AR165AA	4/26/17 15:34	1711599999	1.00
9065	25PCBS17116001.012	AR4811724A	AR481AA	4/26/17 15:45	1711599999	1.00
9065	25PCBS17116001.013	AR4821724A	AR482AA	4/26/17 15:57	1711599999	1.00
9065	25PCBS17116001.014	AR4831724A	AR483AA	4/26/17 16:08	1711599999	1.00
9065	25PCBS17116001.015	AR4841724A	AR484AA	4/26/17 16:19	1711599999	1.00
9065	25PCBS17116001.016	AR4851724A	AR485AA	4/26/17 16:31	1711599999	1.00
9065	25PCBS17116001.017	AR5411724A	AR541AA	4/26/17 16:42	1711599999	1.00
9065	25PCBS17116001.018	AR5421724A	AR542AA	4/26/17 16:53	1711599999	1.00
9065	25PCBS17116001.019	AR5431724A	AR543AA	4/26/17 17:05	1711599999	1.00
9065	25PCBS17116001.020	AR5441724A	AR544AA	4/26/17 17:16	1711599999	1.00
9065	25PCBS17116001.021	AR5451724A	AR545AA	4/26/17 17:28	1711599999	1.00
9065	25PCBS17116001.022	AR6231624B	AR623AA	4/26/17 17:39	1711599999	1.00
9065	25PCBS17116001.023	AR6831724A	AR683AA	4/26/17 17:50	1711599999	1.00
9065	25PCBS17116001.024	AR2131724A	AR213AA	4/26/17 18:02	1711599999	1.00
9065	25PCBS17116001.025	AR3231724A	AR323AA	4/26/17 18:13	1711599999	1.00
9065	25PCBS17116001.026	AR4231724A	AR423AA	4/26/17 18:25	1711599999	1.00
9065	25PCBS17116001.027	AR16XX1724A	AR16XAA	4/26/17 18:36	1711599999	1.00
9065	25PCBS17116001.028	MD16X1724A	MD16XAA	4/26/17 18:47	1711599999	1.00
9065	25PCBS17116001.029	IC16X1724A	IC16XAA	4/26/17 18:58	1711599999	1.00
9065	25PCBS17116001.030	IC48X1724A	IC48XAA	4/26/17 19:10	1711599999	1.00
9065	25PCBS17116001.031	IC54X1724A	IC54XAA	4/26/17 19:21	1711599999	1.00
9065	25PCBS17116001.032	BLANKA 4/25/17 ACF	PBLK43114	4/26/17 19:33	171140043A	10.00
9065	25PCBS17116001.033	LCSA 4/25/17 ACF	LCS43114	4/26/17 19:44	171140043A	10.00
9065	25PCBS17116001.034	8948180 RI ACF	526AR	4/26/17 19:55	171140043A	10.00
9065	25PCBS17116001.035	8952554 RI ACF	93375	4/26/17 20:07	171140043A	10.00
9065	25PCBS17116001.036	8952555 RI ACF	93376	4/26/17 20:18	171140043A	10.00
9065	25PCBS17116001.037	8952556 RI ACF	93374	4/26/17 20:30	171140043A	10.00
9065	25PCBS17116001.038	8952558 RI ACF	93373	4/26/17 20:41	171140043A	10.00
9065	25PCBS17116001.039	8953175 RI ACF	CHW01	4/26/17 20:52	171140043A	10.00
9065	25PCBS17116001.040	8953325 RI ACF	06134	4/26/17 21:04	171140043A	10.00
9065	25PCBS17116001.041	8953330 RI ACF	99104	4/26/17 21:15	171140043A	10.00
9065	25PCBS17116001.042	AR1631724A	AR163TQ	4/26/17 21:26	1711599999	1.00
9065	25PCBS17116001.043	IBLKX1724A	PIBLKID	4/26/17 21:38	1711599999	10.00
9065	25PCBS17116001.044	8953507 RI ACF	GL312	4/26/17 21:49	171140043A	10.00
9065	25PCBS17116001.045	8953508 RI ACF	GL313	4/26/17 22:00	171140043A	10.00
9065	25PCBS17116001.046	8953508MSACF	GL313MS	4/26/17 22:12	171140043A	10.00
9065	25PCBS17116001.047	8953508MSDACF	GL313MSD	4/26/17 22:23	171140043A	10.00
9065	25PCBS17116001.048	8953509 RI ACF	GL314	4/26/17 22:34	171140043A	10.00
9065	25PCBS17116001.049	8953510 RI ACF	GL315	4/26/17 22:46	171140043A	10.00
9065	25PCBS17116001.050	8953511 RI ACF	GL316	4/26/17 22:57	171140043A	10.00
9065	25PCBS17116001.051	8953512 RI ACF	GL317	4/26/17 23:09	171140043A	10.00
9065	25PCBS17116001.052	8953513 RI ACF	GL318	4/26/17 23:20	171140043A	10.00
9065	25PCBS17116001.053	8953514 RI ACF	GL319	4/26/17 23:32	171140043A	10.00
9065	25PCBS17116001.054	AR1631724A	AR163TR	4/26/17 23:43	1711599999	1.00
9065	25PCBS17116001.055	IBLKX1724A	PIBLKIE	4/26/17 23:55	1711599999	10.00
9065	25PCBS17116001.056	8953515 RI ACF	GL320	4/27/17 0:06	171140043A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17116001.057	8953516 RI ACF	GL321	4/27/17 0:17	171140043A	10.00
9065	25PCBS17116001.058	8953517 RI ACF	GL322	4/27/17 0:28	171140043A	10.00
9065	25PCBS17116001.059	8953518 RI ACF	GL323	4/27/17 0:40	171140043A	10.00
9065	25PCBS17116001.060	AR1631724A	AR163TS	4/27/17 0:51	1711599999	1.00
9065	25PCBS17116001.061	IBLKX1724A	PIBLKIF	4/27/17 1:03	1711599999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17116016
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17116016.001	CONDITIONER		5/21/17 14:09	1714099999	1.00
2855	25PCBS17116016.002	CONDITIONER		5/21/17 14:21	1714099999	1.00
2855	25PCBS17116016.003	CONDITIONER		5/21/17 14:32	1714099999	1.00
2855	25PCBS17116016.004	CONDITIONER		5/21/17 14:43	1714099999	1.00
2855	25PCBS17116016.005	AR1631724A	AR163CU	5/21/17 14:54	1714099999	1.00
2855	25PCBS17116016.006	IBLKX1724A	PIBLKVO	5/21/17 15:06	1714099999	10.00
2855	25PCBS17116016.007	CONDITIONER		5/21/17 18:31	1714099999	1.00
2855	25PCBS17116016.008	CONDITIONER		5/21/17 18:43	1714099999	1.00
2855	25PCBS17116016.009	CONDITIONER		5/21/17 18:54	1714099999	1.00
2855	25PCBS17116016.010	CONDITIONER		5/21/17 19:05	1714099999	1.00
2855	25PCBS17116016.011	AR1631724A	AR163CV	5/21/17 19:16	1714099999	1.00
2855	25PCBS17116016.012	IBLKX1724A	PIBLKVP	5/21/17 19:28	1714099999	10.00
2855	25PCBS17116016.013	BLANKA 5/20/17 AF	PBLK21139	5/21/17 19:39	171390021A	2.00
2855	25PCBS17116016.014	LCSA 5/20/17 AF	LCS21139	5/21/17 19:50	171390021A	2.00
2855	25PCBS17116016.015	LCSDA 5/20/17 AF	LCSD21139	5/21/17 20:02	171390021A	2.00
2855	25PCBS17116016.016	9000808 RI AF	POSTC	5/21/17 20:13	171390021A	2.00
2855	25PCBS17116016.017	9002138 RI AF	07519	5/21/17 20:24	171390021A	2.00
2855	25PCBS17116016.018	9002171 RI AF	NI519	5/21/17 20:35	171390021A	2.00
2855	25PCBS17116016.019	9002172 RI AF	NE519	5/21/17 20:47	171390021A	2.00
2855	25PCBS17116016.020	9002188 RI AF	89654	5/21/17 20:58	171390021A	2.00
2855	25PCBS17116016.021	9002190 RI AF	65220	5/21/17 21:10	171390021A	2.00
2855	25PCBS17116016.022	BLANKA 5/20/17 AF	PBLK22139	5/21/17 21:21	171390022A	2.00
2855	25PCBS17116016.023	AR1631724A	AR163CW	5/21/17 21:32	1714099999	1.00
2855	25PCBS17116016.024	IBLKX1724A	PIBLKVQ	5/21/17 21:44	1714099999	10.00
2855	25PCBS17116016.025	LCSA 5/20/17 AF	LCS22139	5/21/17 21:55	171390022A	2.00
2855	25PCBS17116016.026	LCSDA 5/20/17 AF	LCSD22139	5/21/17 22:06	171390022A	2.00
2855	25PCBS17116016.027	8999397 RI AF	B-WE2	5/21/17 22:18	171390022A	2.00
2855	25PCBS17116016.028	9000469 RI AF	PDM12	5/21/17 22:29	171390022A	2.00
2855	25PCBS17116016.029	9000672 RI AF	PDP09	5/21/17 22:40	171390022A	2.00
2855	25PCBS17116016.030	9000680 RI AF	PDP17	5/21/17 22:51	171390022A	2.00
2855	25PCBS17116016.031	BLANKA 5/19/17 ACF	PBLK02139	5/21/17 23:03	171390002A	10.00
2855	25PCBS17116016.032	LCSA 5/19/17 ACF	LCS02139	5/21/17 23:14	171390002A	10.00
2855	25PCBS17116016.033	AR1631724A	AR163CX	5/21/17 23:25	1714099999	1.00
2855	25PCBS17116016.034	IBLKX1724A	PIBLKVR	5/21/17 23:37	1714099999	10.00
2855	25PCBS17116016.035	8998298 RI ACF	A4505	5/21/17 23:48	171390002A	10.00
2855	25PCBS17116016.036	8998298ACF DF5	A4505	5/21/17 23:59	171390002A	50.00
2855	25PCBS17116016.037	8998299 RI ACF	A4506	5/22/17 0:11	171390002A	10.00
2855	25PCBS17116016.038	8998300ACF DF5	A4507	5/22/17 0:22	171390002A	50.00
2855	25PCBS17116016.039	8998301ACF DF20	A4508	5/22/17 0:33	171390002A	200.00
2855	25PCBS17116016.040	8998302ACF DF10	A4509	5/22/17 0:44	171390002A	100.00
2855	25PCBS17116016.041	8998303ACF DF5	A4510	5/22/17 0:56	171390002A	50.00
2855	25PCBS17116016.042	8998304ACF DF5	A4511	5/22/17 1:07	171390002A	50.00
2855	25PCBS17116016.043	8998305 RI ACF	A4512	5/22/17 1:18	171390002A	10.00
2855	25PCBS17116016.044	8998306ACF DF200	A4513	5/22/17 1:30	171390002A	2,000.00
2855	25PCBS17116016.045	8998306ACF DF500	A4513	5/22/17 1:41	171390002A	5,000.00
2855	25PCBS17116016.046	8998307ACF DF5	A4514	5/22/17 1:52	171390002A	50.00
2855	25PCBS17116016.047	8998308ACF DF50	A4515	5/22/17 2:04	171390002A	500.00
2855	25PCBS17116016.048	8998308ACF DF100	A4515	5/22/17 2:15	171390002A	1,000.00
2855	25PCBS17116016.049	8998309 RI ACF	A4516	5/22/17 2:27	171390002A	10.00
2855	25PCBS17116016.050	8998310ACF DF5	A4517	5/22/17 2:38	171390002A	50.00
2855	25PCBS17116016.051	8998311ACF DF10	A4518	5/22/17 2:49	171390002A	100.00
2855	25PCBS17116016.052	8998312ACF DF10	A4519	5/22/17 3:01	171390002A	100.00
2855	25PCBS17116016.053	8998313 RI ACF	A4520	5/22/17 3:12	171390002A	10.00
2855	25PCBS17116016.054	8998314ACF DF5	A4601	5/22/17 3:23	171390002A	50.00
2855	25PCBS17116016.055	AR1631724A	AR163CY	5/22/17 3:35	1714099999	1.00
2855	25PCBS17116016.056	IBLKX1724A	PIBLKVS	5/22/17 3:46	1714099999	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17116016.057	8998315MSACF DF5	A4601	5/22/17 3:57	171390002A	50.00
2855	25PCBS17116016.058	8998316MSDACF DF	A4601	5/22/17 4:09	171390002A	50.00
2855	25PCBS17116016.059	8998317 RI ACF	A4602	5/22/17 4:20	171390002A	10.00
2855	25PCBS17116016.060	8998317ACF DF5	A4602	5/22/17 4:31	171390002A	50.00
2855	25PCBS17116016.061	8998318ACF DF5	A4603	5/22/17 4:43	171390002A	50.00
2855	25PCBS17116016.062	8998319ACF DF10	A4604	5/22/17 4:54	171390002A	100.00
2855	25PCBS17116016.063	BLANKA 5/21/17 ACF	PBLK30139	5/22/17 5:05	171390030A	10.00
2855	25PCBS17116016.064	LCSA 5/21/17 ACF	LCS30139	5/22/17 5:17	171390030A	10.00
2855	25PCBS17116016.065	8998320ACF	A4605	5/22/17 5:28	171390030A	10.00
2855	25PCBS17116016.066	8998321ACF DF10	A4606	5/22/17 5:39	171390030A	100.00
2855	25PCBS17116016.067	8998321ACF DF20	A4606	5/22/17 5:51	171390030A	200.00
2855	25PCBS17116016.068	8998322ACF DF10	A4607	5/22/17 6:02	171390030A	100.00
2855	25PCBS17116016.069	8998322ACF DF20	A4607	5/22/17 6:14	171390030A	200.00
2855	25PCBS17116016.070	8998323ACF DF5	A4608	5/22/17 6:25	171390030A	50.00
2855	25PCBS17116016.071	8998324ACF DF5	A4609	5/22/17 6:36	171390030A	50.00
2855	25PCBS17116016.072	8998325ACF DF10	A4610	5/22/17 6:48	171390030A	100.00
2855	25PCBS17116016.073	8998325ACF DF20	A4610	5/22/17 6:59	171390030A	200.00
2855	25PCBS17116016.074	8998326ACF DF100	A4611	5/22/17 7:10	171390030A	1,000.00
2855	25PCBS17116016.075	8998327ACF DF5	A4612	5/22/17 7:22	171390030A	50.00
2855	25PCBS17116016.076	8998328ACF DF10	A4613	5/22/17 7:33	171390030A	100.00
2855	25PCBS17116016.077	AR1631724A	AR163CZ	5/22/17 7:44	1714099999	1.00
2855	25PCBS17116016.078	IBLKX1724A	PIBLKVT	5/22/17 7:56	1714099999	10.00
2855	25PCBS17116016.079	8998328ACF DF20	A4613	5/22/17 8:07	171390030A	200.00
2855	25PCBS17116016.080	8998329ACF DF20	A4614	5/22/17 8:19	171390030A	200.00
2855	25PCBS17116016.081	8998329ACF DF50	A4614	5/22/17 8:30	171390030A	500.00
2855	25PCBS17116016.082	8998330ACF DF200	A4615	5/22/17 8:41	171390030A	2,000.00
2855	25PCBS17116016.083	8998330ACF DF500	A4615	5/22/17 8:52	171390030A	5,000.00
2855	25PCBS17116016.084	8998331ACF DF200	A4616	5/22/17 9:04	171390030A	2,000.00
2855	25PCBS17116016.085	8998331ACF DF500	A4616	5/22/17 9:16	171390030A	5,000.00
2855	25PCBS17116016.086	8998330ACF DF100	A4615	5/22/17 9:27	171390030A	1,000.00
2855	25PCBS17116016.087	8998333MSACF DF1	A4701	5/22/17 9:38	171390030A	1,000.00
2855	25PCBS17116016.088	8998334MSDACF DF	A4701	5/22/17 9:49	171390030A	1,000.00
2855	25PCBS17116016.089	8998335ACF DF100	A4702	5/22/17 10:01	171390030A	1,000.00
2855	25PCBS17116016.090	8998336ACF DF5	A4703	5/22/17 10:12	171390030A	50.00
2855	25PCBS17116016.091	8998337ACF DF20	A4704	5/22/17 10:24	171390030A	200.00
2855	25PCBS17116016.092	8998338ACF DF50	A4705	5/22/17 10:35	171390030A	500.00
2855	25PCBS17116016.093	8998339ACF DF50	A4706	5/22/17 10:46	171390030A	500.00
2855	25PCBS17116016.094	8998340ACF DF5	A4707	5/22/17 10:58	171390030A	50.00
2855	25PCBS17116016.095	8998342ACF	A4709	5/22/17 11:09	171390030A	10.00
2855	25PCBS17116016.096	AR1631724A	AR163DA	5/22/17 11:20	1714099999	1.00
2855	25PCBS17116016.097	IBLKX1724A	PIBLKVU	5/22/17 11:32	1714099999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17116017
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17116017.001	CONDITIONER		5/22/17 15:23	1714199999	1.00
2855	25PCBS17116017.002	CONDITIONER		5/22/17 15:34	1714199999	1.00
2855	25PCBS17116017.003	CONDITIONER		5/22/17 15:45	1714199999	1.00
2855	25PCBS17116017.004	CONDITIONER		5/22/17 15:56	1714199999	1.00
2855	25PCBS17116017.005	AR1631724A	AR163DE	5/22/17 16:08	1714199999	1.00
2855	25PCBS17116017.006	IBLKX1724A	PIBLKWL	5/22/17 16:19	1714199999	10.00
2855	25PCBS17116017.007	8998327ACF DF10	A4612	5/22/17 16:30	171390030A	100.00
2855	25PCBS17116017.008	8998327ACF DF20	A4612	5/22/17 16:42	171390030A	200.00
2855	25PCBS17116017.009	8998328ACF DF50	A4613	5/22/17 16:53	171390030A	500.00
2855	25PCBS17116017.010	8998332 RI ACF DF1	A4701	5/22/17 17:04	171390030A	1,000.00
2855	25PCBS17116017.011	8998333MS RI ACF D	A4701	5/22/17 17:15	171390030A	1,000.00
2855	25PCBS17116017.012	8998334MSD RI ACF	A4701	5/22/17 17:27	171390030A	1,000.00
2855	25PCBS17116017.013	AR1631724A	AR163DF	5/22/17 17:38	1714199999	1.00
2855	25PCBS17116017.014	IBLKX1724A	PIBLKWM	5/22/17 17:50	1714199999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATE46

Fraction: Polychlorinated Biphenyls (PCBs)

10225: PCBs in Solids by 8082/3550 Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	0.0099	0.051	mg/kg
PCB-1221	0.015	0.051	mg/kg
PCB-1232	0.012	0.051	mg/kg
PCB-1242	0.012	0.051	mg/kg
PCB-1248	0.0099	0.051	mg/kg
PCB-1254	0.013	0.051	mg/kg
PCB-1260	0.012	0.051	mg/kg

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 8998314 ACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 03:23:41
Instrument	18274A
Result file	25PCBS17116016.054.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 100% (61 - 152) Conc: 28.19598
%SSR(DCB) 107% (48 - 164) Conc: 30.25634

Analysis Report (B)

Injected on	May 22, 2017 03:23:41
Instrument	18274B
Result file	25PCBS17116016B.054.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 29.78654
%SSR(DCB) 109% (48 - 164) Conc: 30.69406

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	818165	28.19598
Decachlorobiphenyl	6.61	6.63	6.67	626133	30.25634

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1177545	29.78654
Decachlorobiphenyl	6.10	6.12	6.16	1502097	30.69406

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	28.19598				5.49	
☑	Decachlorobiphenyl	B	30.69406				1.44	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.47**	
4.76	4.78	4.80	1367486	1361.808623			1
5.05	5.07	5.09	1108139	1904.625305			2
5.23	5.25	5.27	984286.8	1441.158715			3
5.40	5.41	5.44	1086462	1459.836534			4
5.63	5.65	5.67	3299092	1634.969179			5
5.83	5.85	5.87	2013318	1633.604763			6

Height summation: **9858783.8**
Concentration CF: **1572.667187** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.78**	
4.33	4.35	4.37	3380736	1550.798153			1
4.47	4.48	4.51	4515545	1808.274655			2
4.57	4.59	4.61	3245275	1513.908102			3
4.92	4.93	4.96	2582200	1503.433277			4
5.11	5.13	5.15	7825450	1847.55241			5
5.37	5.39	5.41	4996891	1966.825461			6

Height summation: **26546097**
Concentration CF: **1698.465343** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<245.6647	<47.6879			4	
☑	PCB-1221			<245.6647	<73.6994			3	
☑	PCB-1232			<245.6647	<59.2486			4	
☑	PCB-1242			<245.6647	<59.2486			4	
☑	PCB-1248			<245.6647	<47.6879			4	
☑	PCB-1254			<245.6647	<63.5838			4	
☑	PCB-1260	B	1698.465343	245.6647	56.3584		7.69	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998314** ACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 03:23:41
Instrument : CP25--18274A
Result file : 25PCBS17116016.054.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 100% (61-152) Conc.: 28.19598
%SSR(DCB) : 107% (48-164) Conc.: 30.25634

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	82.45	
3.18	3.20	3.22	3125.051	6.463669			1
3.40	3.42	3.44	4577.952	9.976172			2
3.51	3.53	3.55	6965.854	11.982382			3
3.73	3.75	3.77	18095.23	25.618669			4
3.79	3.80	3.83	13080.67	20.732904			5
3.98	4.00	4.02	24497.65	55.020975			6
Height Summation:			**70342.407**				
Amount Avg CF:			**21.632462**	Linear:			
Aroclor-1221					3	57.79	
3.07	3.09	3.11	1764.61	7.492834			1
3.13	3.14	3.17	3198.496	14.795012			2
3.18	3.20	3.22	3125.051	4.723086			3
Height Summation:			**8088.157**				
Amount Avg CF:			**9.003644**	Linear:			
Aroclor-1232					6	95.24	
3.18	3.20	3.22	3125.051	5.285747			1
3.40	3.42	3.44	4577.952	20.877609			2
3.52	3.53	3.56	6965.854	24.145521			3
3.74	3.75	3.78	18095.23	51.145862			4
3.79	3.80	3.83	13080.67	44.437125			5
3.99	4.00	4.03	24497.65	127.293472			6
+ 3.99	4.02	4.03	6622.15	34.409687			6
Height Summation:			**70342.407**				
Amount Avg CF:			**45.530889**	Linear:			
Aroclor-1242					6	82.10	
3.18	3.20	3.22	3125.051	7.616597			1
3.40	3.42	3.44	4577.952	12.02801			2
3.51	3.53	3.55	6965.854	14.351295			3
3.73	3.75	3.77	18095.23	30.762147			4
3.79	3.80	3.83	13080.67	25.933511			5
3.98	4.00	4.02	24497.65	66.143617			6
Height Summation:			**70342.407**				
Amount Avg CF:			**26.139196**	Linear:			
Aroclor-1248					6	190.07	
3.79	3.80	3.83	13080.67	36.15561			1
3.86	3.87	3.90	47293.34	83.247167			2
3.98	4.00	4.02	24497.65	37.288466			3
+ 3.98	4.02	4.02	6622.15	10.079735			3
4.07	4.09	4.11	42513.17	75.199159			4
+ 4.25	4.27	4.29	59696.73	106.107982			5
4.25	4.29	4.29	136687.8	242.955798			5
4.64	4.65	4.68	932200.8	2028.319194			6
Height Summation:			**1196273.43**				
Amount Avg CF:			**417.194232**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:23:41
Instrument : CP25--18274B
Result file : 25PCBS17116016B.054.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 106% (61-152) Conc.: 29.78654
%SSR(DCB) : 109% (48-164) Conc.: 30.69406

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	123.34	
2.89	2.92	2.93	189983	279.454848			1
3.22	3.24	3.26	16293.95	17.999213			2
+ 3.41	3.42	3.45	5400.477	5.27748			3
3.41	3.43	3.45	16245.32	15.87533			3
3.49	3.51	3.53	26818.39	25.191035			4
3.65	3.67	3.69	58712.81	68.049393			5
3.74	3.76	3.78	66345.49	84.15941			6
Height Summation:			**374398.96**				
Amount Avg CF:			**81.788205**	Linear:			
Aroclor-1221					3	117.45	
2.77	2.79	2.81	15006.37	42.54122			1
2.84	2.85	2.88	3315.685	15.22124			2
2.89	2.92	2.93	189983	206.539437			3
Height Summation:			**208305.055**				
Amount Avg CF:			**88.100632**	Linear:			
Aroclor-1232					6	71.06	
2.89	2.92	2.93	189983	223.459654			1
3.22	3.24	3.26	16293.95	38.142874			2
+ 3.41	3.42	3.45	5400.477	11.760975			3
3.41	3.43	3.45	16245.32	35.378506			3
3.49	3.51	3.53	26818.39	56.553241			4
3.65	3.67	3.69	58712.81	160.767525			5
+ 3.65	3.69	3.69	20709.22	56.706024			5
3.75	3.76	3.79	66345.49	182.006714			6
Height Summation:			**374398.96**				
Amount Avg CF:			**116.051419**	Linear:			
Aroclor-1242					6	121.83	
2.89	2.92	2.93	189983	333.673737			1
3.22	3.24	3.26	16293.95	22.538766			2
+ 3.41	3.42	3.45	5400.477	6.570817			3
3.41	3.43	3.45	16245.32	19.765853			3
3.49	3.51	3.53	26818.39	31.981497			4
3.65	3.67	3.69	58712.81	83.744007			5
+ 3.74	3.74	3.78	27627.86	41.209859			6
3.74	3.76	3.78	66345.49	98.961277			6
Height Summation:			**374398.96**				
Amount Avg CF:			**98.444189**	Linear:			
Aroclor-1248					6	177.84	
+ 3.41	3.42	3.45	5400.477	13.195439			1
3.41	3.43	3.45	16245.32	39.693555			1
3.52	3.54	3.56	91091.09	87.121598			2
3.65	3.67	3.69	58712.81	46.952616			3
+ 3.65	3.69	3.69	20709.22	16.561157			3
3.74	3.76	3.78	66345.49	69.467958			4
3.88	3.89	3.92	734193.8	382.274491			5
4.24	4.25	4.28	1835443	2017.525492			6
Height Summation:			**2802031.51**				
Amount Avg CF:			**440.505952**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998314** ACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.38 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 03:23:41
Instrument : CP25--18274A
Result file : 25PCBS17116016.054.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**96.33**	
4.24	4.25	4.28	223187.1	368.859474			1
+ 4.24	4.27	4.28	59696.73	98.660292			1
4.58	4.59	4.62	159806.2	222.513459			2
+ 4.58	4.61	4.62	92800.35	129.214804			2
4.64	4.65	4.68	932200.8	671.289256			3
4.77	4.78	4.81	1367486	3047.350192			4
4.86	4.87	4.89	789791	773.250956			5
5.05	5.07	5.09	1108139	1458.706068			6
Height Summation:			**4580610.1**				
Amount Avg CF:			**1090.328234**	Linear:			
Aroclor-1260					**6**	**12.47**	
4.76	4.78	4.80	1367486	1361.808623			1
5.05	5.07	5.09	1108139	1904.625305			2
5.23	5.25	5.27	984286.8	1441.158715			3
5.40	5.41	5.44	1086462	1459.836534			4
5.63	5.65	5.67	3299092	1634.969179			5
5.83	5.85	5.87	2013318	1633.604763			6
Height Summation:			**9858783.8**				
Amount Avg CF:			**1572.667187**	Linear:			
Aroclor-1262					**6**	**32.38**	
5.23	5.25	5.27	984286.8	807.571628			1
E 5.40	5.41	5.44	1086462	1035.242452			2
E 5.63	5.65	5.67	3299092	1219.361672			3
E 5.83	5.85	5.87	2013318	1213.036484			4
5.89	5.90	5.93	341820.1	449.292653			5
6.26	6.28	6.30	768940.2	782.927915			6
Height Summation:			**8493919.1**				
Amount Avg CF:			**917.905467**	Linear:			
Aroclor-1268					**6**	**96.34**	
5.83	5.85	5.87	2013318	686.974025			1
5.89	5.90	5.93	341820.1	128.179174			2
6.03	6.04	6.07	30361.42	12.258846			3
+ 6.09	6.09	6.13	51175.43	79.430942			4
6.09	6.12	6.13	315209	489.245478			4
6.26	6.28	6.30	768940.2	732.484312			5
6.47	6.48	6.51	167269.3	19.404293			6
Height Summation:			**3636918.02**				
Amount Avg CF:			**344.757688**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:23:41
Instrument : CP25--18274B
Result file : 25PCBS17116016B.054.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**94.06**	
4.18	4.19	4.22	562436.1	352.750404			1
4.24	4.25	4.28	1835443	627.015284			2
4.33	4.35	4.37	3380736	2515.444395			3
4.40	4.42	4.44	1482457	757.410892			4
+ 4.40	4.44	4.44	783730.2	400.420242			4
4.47	4.48	4.51	4515545	4160.712515			5
4.62	4.64	4.66	1458653	1021.643974			6
Height Summation:			**13235270.1**				
Amount Avg CF:			**1572.496244**	Linear:			
Aroclor-1260					**6**	**11.78**	
4.33	4.35	4.37	3380736	1550.798153			1
4.47	4.48	4.51	4515545	1808.274655			2
4.57	4.59	4.61	3245275	1513.908102			3
4.92	4.93	4.96	2582200	1503.433277			4
5.11	5.13	5.15	7825450	1847.55241			5
5.37	5.39	5.41	4996891	1966.825461			6
Height Summation:			**26546097**				
Amount Avg CF:			**1698.465343**	Linear:			
Aroclor-1262					**6**	**36.50**	
4.73	4.75	4.77	1803300	656.903448			1
4.92	4.93	4.96	2582200	951.127253			2
E 5.11	5.13	5.15	7825450	1377.420691			3
5.33	5.34	5.36	1156496	541.383199			4
E 5.37	5.39	5.41	4996891	1347.5107			5
5.75	5.77	5.79	1796647	843.608118			6
Height Summation:			**20160984**				
Amount Avg CF:			**952.992235**	Linear:			
Aroclor-1268					**6**	**125.37**	
5.33	5.34	5.37	1156496	171.369782			1
5.37	5.39	5.41	4996891	761.357389			2
5.53	5.54	5.57	94509.57	16.551601			3
5.59	5.61	5.63	39642.8	28.194611			4
+ 5.59	5.63	5.63	12298.15	8.746646			4
5.75	5.77	5.79	1796647	755.435034			5
5.95	5.97	5.99	379922.5	18.737019			6
Height Summation:			**8464108.87**				
Amount Avg CF:			**291.940906**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			245.6647	47.6879		** 116.33	4	40	
Aroclor-1221			245.6647	73.6994		** 162.91	3	5	
Aroclor-1232			245.6647	59.2486		** 87.29	4	10	
Aroclor-1242			245.6647	59.2486		** 116.07	4	30	
Aroclor-1248			245.6647	47.6879		5.44	4	40	
Aroclor-1254			245.6647	63.5838		36.21	4	40	
Aroclor-1260			245.6647	56.3584		7.69	4	40	
Aroclor-1262			245.6647	47.6879	E	3.75	4	40	
Aroclor-1268			245.6647	47.6879		16.59	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998314ACF DF5 ACA4601 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:23:41 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresiduc-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.054.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		1536	1396
2.046		9795	12597
2.09		8447	12489
2.145		17038	11327
2.213		46023	33320
2.238		2514	1966
2.291		1706	1802
2.339		62326	43878
2.378		1694	1321
2.399		2983	4148
2.455		680	696
2.503		4527	5591
2.547		1755	1538
2.575		1149	733
2.6		2267	1975
2.664		26296	25924
2.721		522	1018
2.754		2306	3539
2.79		24168	21614
2.889		1207	963
2.913		2690	2108
2.944	TCX	818165	574317
3.052		10062	7033
3.093		1765	1816
3.142		3198	2763
3.196		3125	2733
3.249		61873	34947
3.267		109331	64313
3.333		1115	1173
3.423		4578	8761
3.464		731	472
3.493		1524	1987
3.53		6966	5106
3.565		1362	1255
3.605		6878	4573
3.632		2266	2138
3.655		924	407
3.698		2708	1754
3.708		16396	10019
3.748		18095	16225
3.804		13081	11932
3.846		1447	924
3.875		47293	36133
3.909		9678	12059
3.923		12550	6586
3.973		1464	736
3.998		24498	18476
4.023		6622	4429
4.055		15124	10905
4.088		42513	42489
4.131		6683	5779
4.165		658	1092
4.191		10251	7360
4.214		9185	5918

RT A	Compound A	Height A	Area A
4.25		223187	164011
4.267		59697	30643
4.292		136688	116956
4.363		105329	87996
4.405		536631	563490
4.439		234839	206721
4.479		18580	13516
4.501		26621	19271
4.543		200539	189182
4.594		159806	112157
4.611		92800	140563
4.655		932201	841718
4.704		479664	522306
4.739		143662	101784
4.781		1367486	1333225
4.826		93436	81658
4.867		789791	790388
4.9		15821	9505
4.927		315226	319271
4.979		1982387	2538409
5.03		263801	239696
5.068		1108139	1272849
5.112		61670	39822
5.148		185756	230796
5.182		2943779	2979810
5.224		35900	17631
5.25		984287	882870
5.292		675172	681475
5.33		6148	4825
5.386		449755	353965
5.41		1086462	901854
5.466		585867	552938
5.505		364884	352729
5.547		50710	56100
5.587		418784	508938
5.645		3299092	3401377
5.731		4076	2910
5.763		2686	2143
5.793		2849	3862
5.848		2013318	1874880
5.878		147332	91123
5.904		341820	387898
5.948		1963	1590
6.015		15275	10929
6.04		30361	28087
6.091		51175	42482
6.118		315209	306188
6.155		2521	1743
6.182		2622	2240
6.275		768940	789953
6.32		54114	52721
6.368		1384	1342
6.403		2080	2669
6.479		167269	185124
6.557		1275	1774
6.629	DCB	626133	680424
6.686		5900	4996
6.727		816	607
6.779		2444	3384
6.829		1759	2610
6.875		1099	2210
6.893		523	136
6.907		2670	2865
6.984		654	434

LANCASTER LABORATORIES

Sample Number: 8998314ACF DF5 ACA4601 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:23:41 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.054.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.118		5718	7755
2.163		6050	6166
2.209		1888	1435
2.237		2725	3051
2.291		1545	1181
2.326		3956	4308
2.369		35152	27162
2.466		2235	2771
2.5		3296	3985
2.536		3398	1564
2.553		55875	45686
2.621	TCX	1177545	714765
2.712		3419	6060
2.793		15006	8259
2.854		3316	3437
2.886		1839	1239
2.919		189983	204409
3.021		1574	933
3.043		5510	3267
3.116		8439	6693
3.16		1448	1269
3.19		4123	2691
3.215		2922	1604
3.237		16294	16095
3.276		17537	13526
3.322		3589	2318
3.337		7827	4254
3.365		3273	2131
3.397		44106	37259
3.417		5400	2271
3.432		16245	21056
3.506		26818	20012
3.541		91091	55820
3.565		69369	39054
3.582		41433	21480
3.669		58713	38737
3.691		20709	11236
3.712		32131	23208
3.741		27628	13912
3.758		66345	41113
3.796		24238	21753
3.845		25580	27721
3.871		70542	42200
3.892		734194	481268
3.918		195918	117566
3.937		84102	44804
3.957		208335	135856
3.992		1116339	767833
4.024		591945	616103
4.103		60702	48267
4.137		337258	266768
4.166		31555	24595
4.194		562436	417385
4.235		276905	312557

RT B	Compound B	Height B	Area B
4.255		1835443	1954533
4.294		503020	494860
4.346		3380736	2665939
4.384		188674	159956
4.416		1482457	1046922
4.441		783730	540344
4.483		4515545	3556218
4.537		8487	6005
4.585		3245275	3115851
4.635		1458653	1213808
4.677		977035	872209
4.714		5963139	4968514
4.746		1803300	1241086
4.785		1520588	1179130
4.843		9075	5105
4.86		25267	16970
4.884		311428	210438
4.901		116696	65450
4.935		2582200	1960201
4.958		825777	572436
5.009		1496348	1304287
5.044		818503	642683
5.074		514226	415885
5.106		331787	203833
5.128		7825450	6202917
5.17		137042	100619
5.2		200381	169602
5.245		5176	3408
5.265		13693	8787
5.299		4686	3296
5.319		52279	31861
5.343		1156496	925813
5.386		4996891	5266656
5.488		5707	6364
5.542		94510	80967
5.587		156678	124717
5.61		39643	25044
5.632		12298	6643
5.66		764114	647804
5.705		7239	6620
5.739		3506	2169
5.766		1796647	1494776
5.797		107708	79535
5.965		379923	329108
6.125	DCB	1502097	1335962
6.301		15052	11898
6.329		9532	8059
6.396		2336	1687
6.434		1769	1975
6.55		2223	7212
6.608		4049	4786
6.655		2210	4131
6.8		1206	2222
6.854		1337	1073
6.902		4673	4942
6.978		2367	2709

8998314ACF DF5 ACA4601 T 171390002A 10225 SW-846 8082

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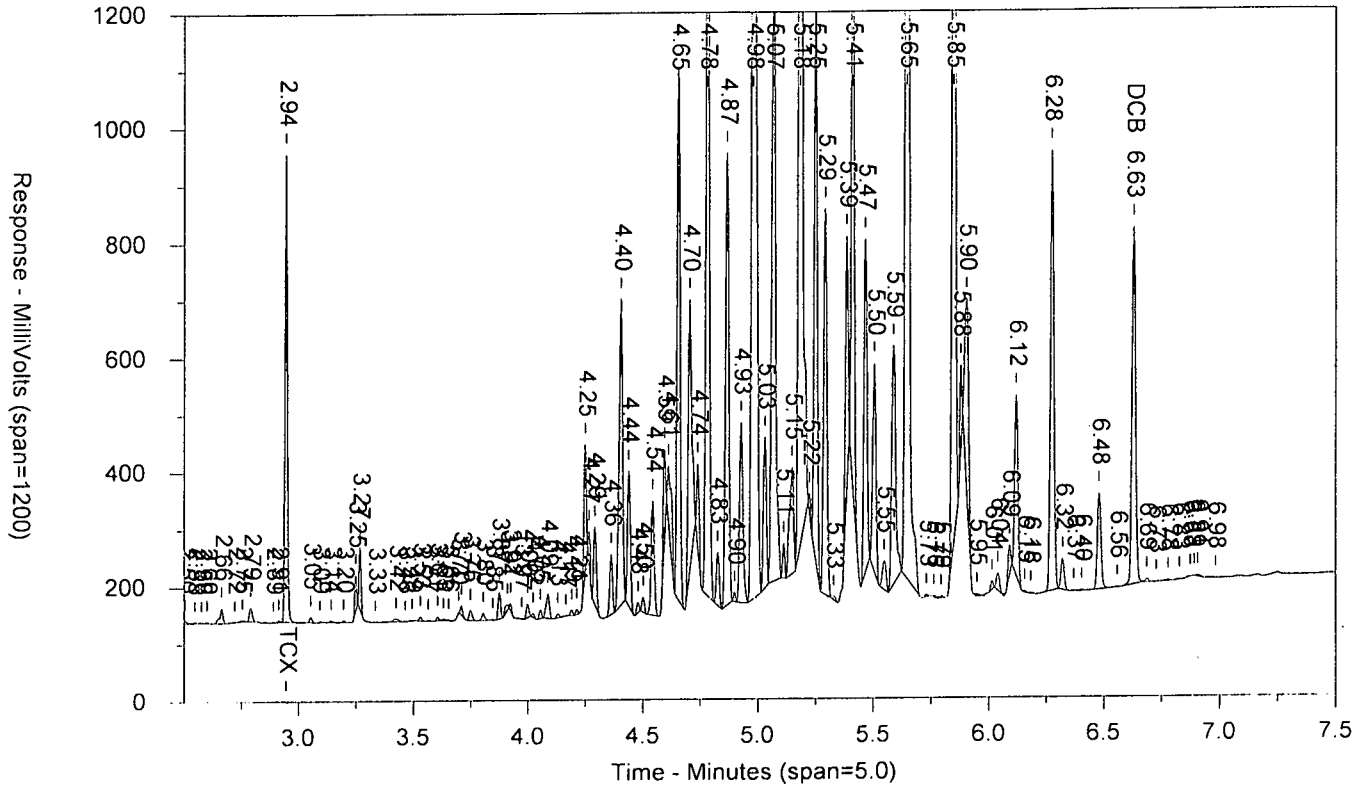

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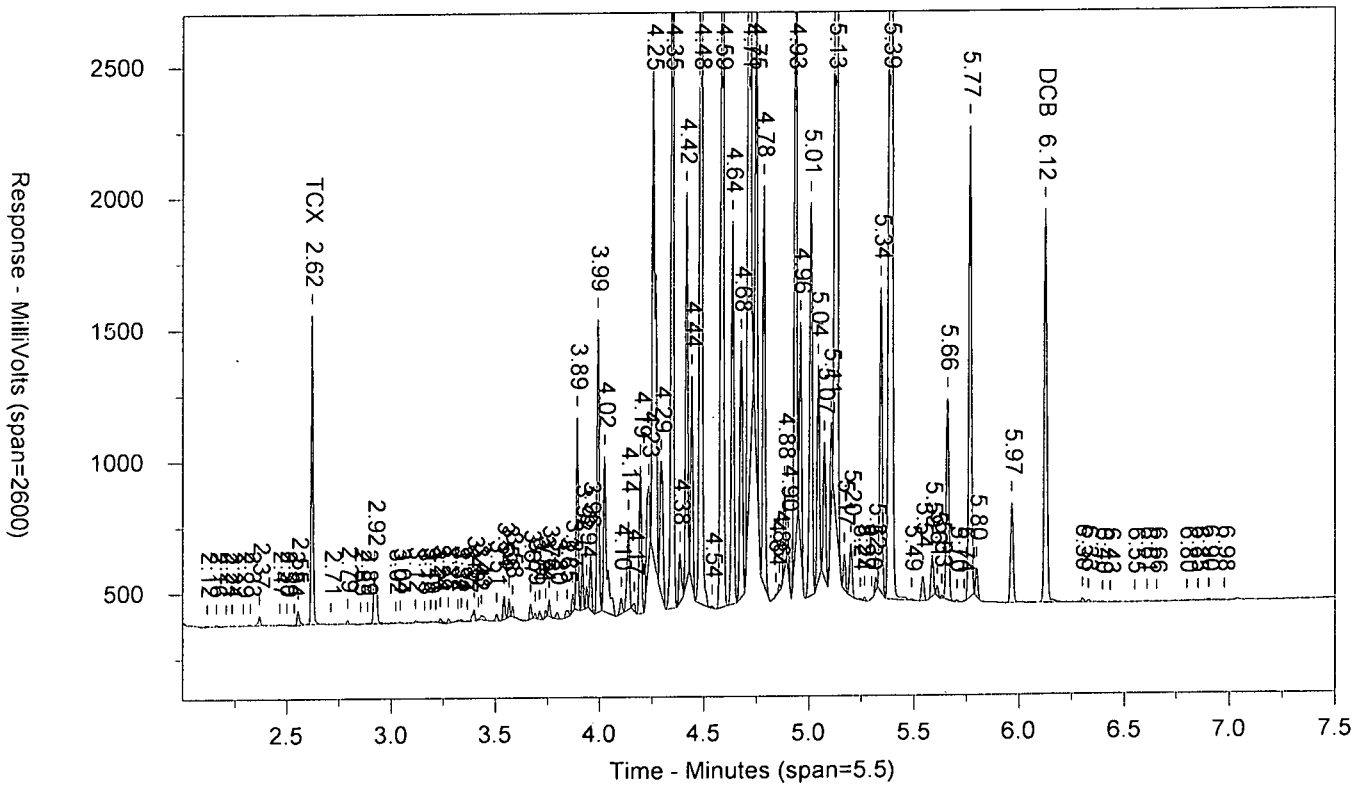

LANCASTER LABORATORIES

Sample Number: 8998314ACF DF5 ACA4601 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:23:41 AM
Sample Weight: 10.38
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	818165	28.196	TCX	2.621	1177545	29.787	TCX
6.629	626133	30.256	DCB	6.125	1502097	30.694	DCB

Files:
Area File: 25pcbs17116016.054.RAW
Area File: 25pcbs17116016B.054.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 3:32:12 AM
File Reported On: 5/22/2017 at 3:32:19 AM

8998314ACF DF5 ACA4601 T 171390002A 10225 SW-846 8082

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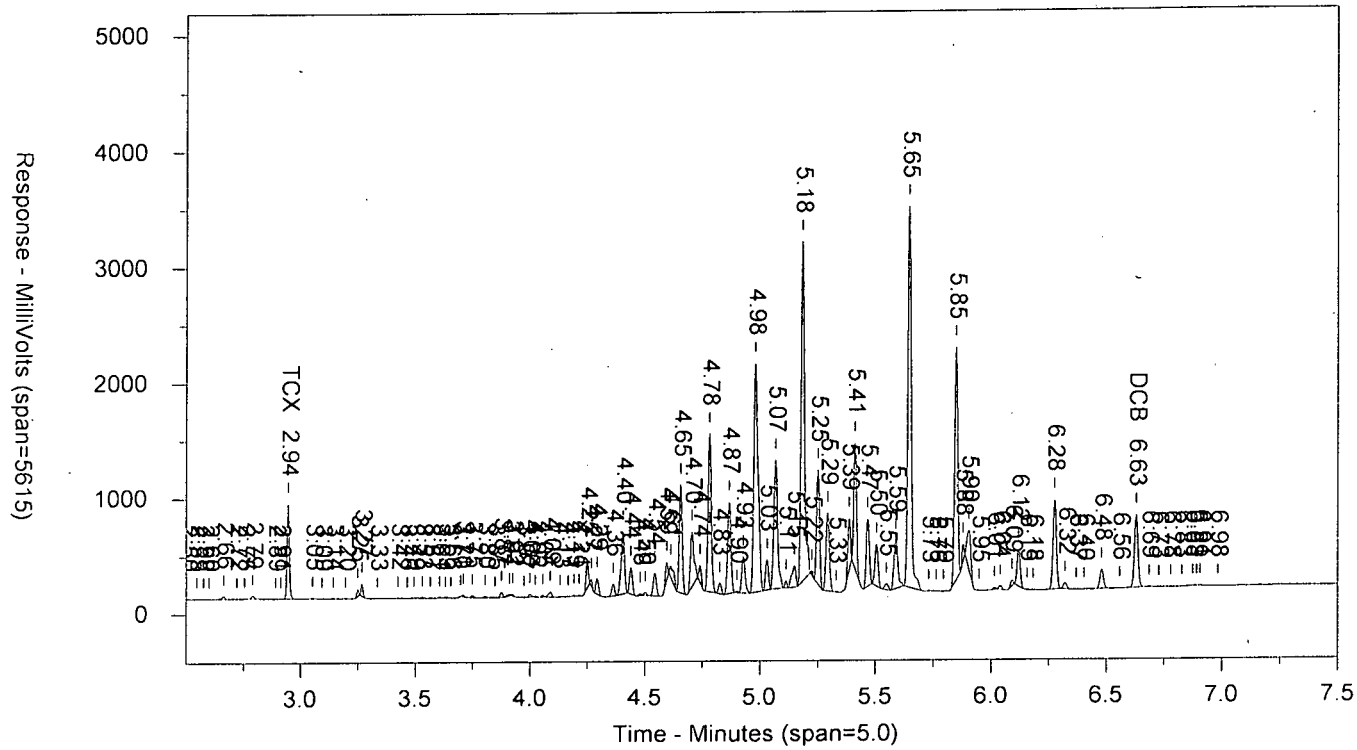

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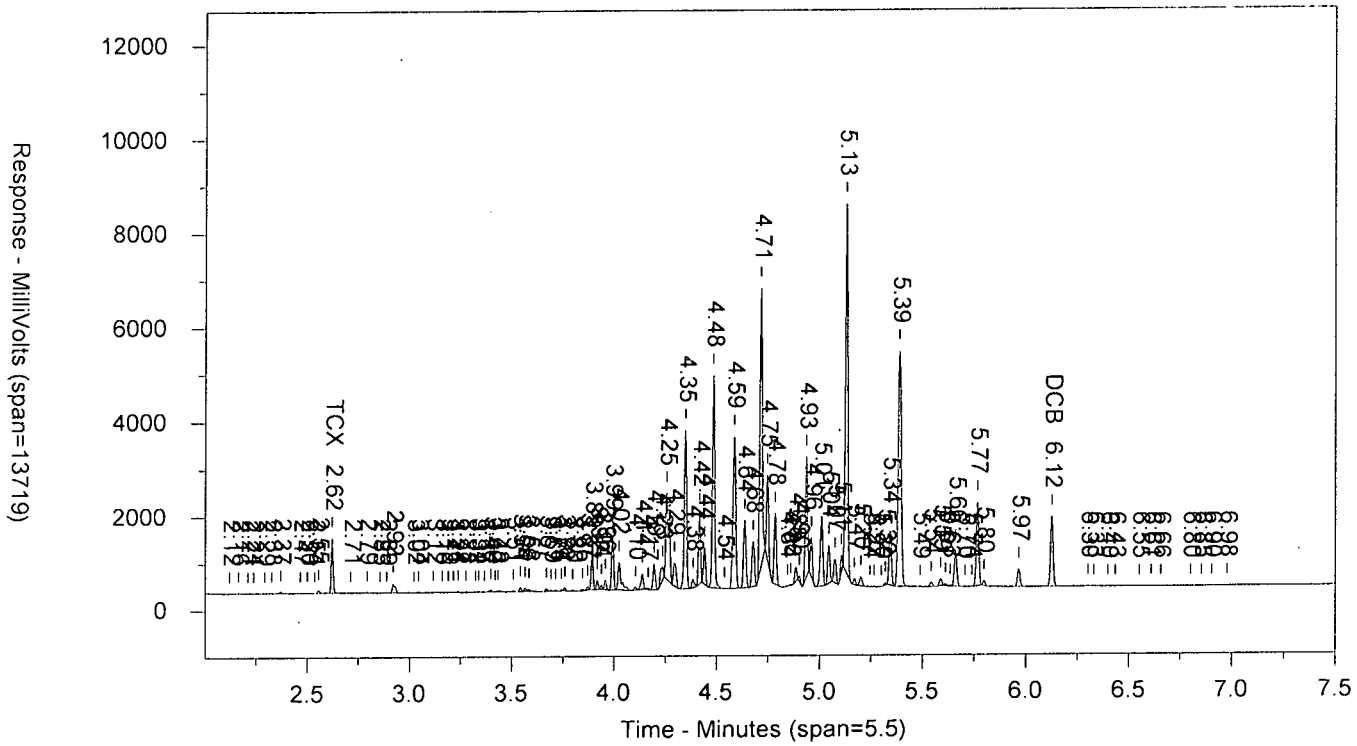

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Data Summary

Sample Name: 8998317 RI ACF A4602 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10.48 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 04:20:35
Instrument	18274A
Result file	25PCBS17116016.059.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 111% (61 - 152) Conc: 31.03599
%SSR(DCB) 105% (48 - 164) Conc: 29.40419

Analysis Report (B)

Injected on	May 22, 2017 04:20:35
Instrument	18274B
Result file	25PCBS17116016B.059.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 120% (61 - 152) Conc: 33.50875
%SSR(DCB) 109% (48 - 164) Conc: 30.44773

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4546249	31.03599
Decachlorobiphenyl	6.61	6.63	6.67	3071802	29.40419

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6687284	33.50875
Decachlorobiphenyl	6.10	6.12	6.16	7521986	30.44773

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	31.03599				7.66	
☑ Decachlorobiphenyl	B	30.44773				3.49	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.70**	
4.76	4.78	4.80	942754.3	185.976375			1
5.05	5.07	5.09	752949.8	256.35831			2
5.23	5.25	5.27	679836.4	197.178987			3
5.40	5.41	5.44	742289.6	197.573698			4
5.63	5.64	5.67	2414226	237.005887			5
5.83	5.85	5.87	1417410	227.822269			6

Height summation: **6949466.1**
Concentration CF: **216.985921** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.61**	
4.33	4.34	4.37	2413530	219.312197			1
4.47	4.48	4.51	3177743	252.080388			2
4.57	4.58	4.61	2235636	206.592794			3
4.92	4.93	4.96	1798072	207.380266			4
5.11	5.13	5.15	5389045	252.037593			5
5.37	5.38	5.41	3594658	280.278374			6

Height summation: **18608684**
Concentration CF: **236.280269** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<48.6641	<9.4466			4	
☑ PCB-1221			<48.6641	<14.5992			3	
☑ PCB-1232			<48.6641	<11.7366			4	
☑ PCB-1242			<48.6641	<11.7366			4	
☑ PCB-1248			<48.6641	<9.4466			4	
☑ PCB-1254			<48.6641	<12.5954			4	
☑ PCB-1260	B	236.280269	48.6641	11.1641		8.51	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998317** RI ACF A4602 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10.48 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274A
Result file : 25PCBS17116016.059.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 111% (61-152) Conc.: 31.03599 bocs
%SSR(DCB) : 105% (48-164) Conc.: 29.40419

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	75.01	
3.18	3.20	3.22	2997.079	1.227966			1
+ 3.18	3.21	3.22	977.9374	0.400681			1
3.40	3.42	3.44	3357.301	1.449269			2
3.51	3.53	3.55	5135.497	1.749917			3
3.73	3.75	3.77	19214.28	5.388683			4
3.79	3.80	3.83	11247.46	3.531431			5
3.98	4.00	4.02	17728	7.887324			6
+ 3.98	4.02	4.02	4475.77	1.991305			6
Height Summation:			59679.617				
Amount Avg CF:			3.539098	Linear:			
Aroclor-1221					3	115.40	
3.07	3.09	3.11	1759.438	1.479917			1
3.13	3.14	3.17	9007.443	8.25348			2
3.18	3.20	3.22	2997.079	0.89729			3
+ 3.18	3.21	3.22	977.9374	0.292783			3
Height Summation:			13763.96				
Amount Avg CF:			3.543563	Linear:			
Aroclor-1232					6	86.82	
3.18	3.20	3.22	2997.079	1.004184			1
+ 3.18	3.21	3.22	977.9374	0.327662			1
3.40	3.42	3.44	3357.301	3.032954			2
3.52	3.53	3.56	5135.497	3.526231			3
3.74	3.75	3.78	19214.28	10.758125			4
3.79	3.80	3.83	11247.46	7.568965			5
3.99	4.00	4.03	17728	18.247674			6
+ 3.99	4.02	4.03	4475.77	4.606972			6
Height Summation:			59679.617				
Amount Avg CF:			7.356356	Linear:			
Aroclor-1242					6	74.74	
3.18	3.20	3.22	2997.079	1.446999			1
+ 3.18	3.21	3.22	977.9374	0.472151			1
3.40	3.42	3.44	3357.301	1.747346			2
3.51	3.53	3.55	5135.497	2.095874			3
3.73	3.75	3.77	19214.28	6.470573			4
3.79	3.80	3.83	11247.46	4.417249			5
3.98	4.00	4.02	17728	9.481768			6
+ 3.98	4.02	4.02	4475.77	2.393852			6
Height Summation:			59679.617				
Amount Avg CF:			4.276635	Linear:			
Aroclor-1248					6	186.42	
3.79	3.80	3.83	11247.46	6.158376			1
3.86	3.87	3.90	36024.85	12.561391			2
3.98	4.00	4.02	17728	5.345347			3
+ 3.98	4.02	4.02	4475.77	1.349534			3
4.07	4.09	4.11	29522.77	10.344575			4
+ 4.25	4.26	4.29	27974.98	9.849935			5
4.25	4.29	4.29	96463.51	33.964611			5
4.64	4.65	4.68	625551.3	269.622311			6
Height Summation:			816537.89				
Amount Avg CF:			56.332768	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274B
Result file : 25PCBS17116016B.059.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 120% (61-152) Conc.: 33.50875
%SSR(DCB) : 109% (48-164) Conc.: 30.44773

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	131.01	
2.89	2.92	2.93	146160.2	42.588476			1
3.22	3.24	3.26	8815.396	1.929012			2
+ 3.22	3.25	3.26	7344.071	1.607052			2
+ 3.41	3.42	3.45	9633.402	1.864834			3
+ 3.41	3.43	3.45	4221.532	0.817204			3
3.41	3.44	3.45	12166.67	2.355224			3
3.49	3.50	3.53	19041.04	3.542991			4
3.65	3.67	3.69	42685.12	9.800178			5
+ 3.65	3.69	3.69	17205.15	3.950171			5
3.74	3.76	3.78	43582.25	10.951333			6
Height Summation:			272450.676				
Amount Avg CF:			11.861202	Linear:			
Aroclor-1221					3	99.56	
2.77	2.79	2.81	10252.94	5.757697			1
2.84	2.85	2.88	7373.888	6.705627			2
2.89	2.92	2.93	146160.2	31.476283			3
Height Summation:			163787.028				
Amount Avg CF:			14.646535	Linear:			
Aroclor-1232					6	75.22	
2.89	2.92	2.93	146160.2	34.054897			1
3.22	3.24	3.26	8815.396	4.08785			2
+ 3.22	3.25	3.26	7344.071	3.405571			2
+ 3.41	3.42	3.45	9633.402	4.155822			3
+ 3.41	3.43	3.45	4221.532	1.821157			3
3.41	3.44	3.45	12166.67	5.248667			3
3.49	3.50	3.53	19041.04	7.953926			4
3.65	3.67	3.69	42685.12	23.153041			5
+ 3.65	3.69	3.69	17205.15	9.332328			5
3.75	3.76	3.79	43582.25	23.683818			6
Height Summation:			272450.676				
Amount Avg CF:			16.3637	Linear:			
Aroclor-1242					6	129.56	
2.89	2.92	2.93	146160.2	50.851349			1
3.22	3.24	3.26	8815.396	2.415526			2
+ 3.22	3.25	3.26	7344.071	2.012365			2
+ 3.41	3.42	3.45	9633.402	2.321844			3
+ 3.41	3.43	3.45	4221.532	1.017474			3
3.41	3.44	3.45	12166.67	2.932413			3
3.49	3.50	3.53	19041.04	4.498035			4
3.65	3.67	3.69	42685.12	12.060448			5
+ 3.65	3.69	3.69	17205.15	4.861221			5
3.74	3.76	3.78	43582.25	12.877442			6
Height Summation:			272450.676				
Amount Avg CF:			14.272535	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998317** RI ACF A4602 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10.48 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274A
Result file : 25PCBS17116016.059.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	97.06	
4.24	4.25	4.28	166514.3	54.514177			1
+ 4.24	4.26	4.28	27974.98	9.158571			1
4.58	4.59	4.62	116102.9	32.023721			2
+ 4.58	4.61	4.62	29826.99	8.226937			2
+ 4.58	4.62	4.62	34007.94	9.380134			2
4.64	4.65	4.68	625551.3	89.233766			3
4.77	4.78	4.81	942754.3	416.163574			4
4.86	4.86	4.89	499257.9	96.827629			5
5.05	5.07	5.09	752949.8	196.338577			6
Height Summation:			**3103130.5**				
Amount Avg CF:			**147.516907**	Linear:			
Aroclor-1260					6	12.70	
4.76	4.78	4.80	942754.3	185.976375			1
5.05	5.07	5.09	752949.8	256.35831			2
5.23	5.25	5.27	679836.4	197.178987			3
5.40	5.41	5.44	742289.6	197.573698			4
5.63	5.64	5.67	2414226	237.005887			5
5.83	5.85	5.87	1417410	227.822269			6
Height Summation:			**6949466.1**				
Amount Avg CF:			**216.985921**	Linear:			
Aroclor-1262					6	31.73	
5.23	5.25	5.27	679836.4	110.491755			1
5.40	5.41	5.44	742289.6	140.109303			2
5.63	5.64	5.67	2414226	176.759231			3
5.83	5.85	5.87	1417410	169.169882			4
5.89	5.90	5.93	254567.3	66.282732			5
6.26	6.27	6.30	572841.1	115.539225			6
Height Summation:			**6081170.4**				
Amount Avg CF:			**129.725355**	Linear:			
Aroclor-1268					6	93.83	
5.83	5.85	5.87	1417410	95.805292			1
5.89	5.90	5.93	254567.3	18.90987			2
6.03	6.04	6.07	52425.9	4.193141			3
+ 6.09	6.09	6.13	22899.47	7.040763			4
6.09	6.12	6.13	233201.3	71.701005			4
6.26	6.27	6.30	572841.1	108.095097			5
6.47	6.48	6.51	153349.4	3.52395			6
Height Summation:			**2683795**				
Amount Avg CF:			**50.371393**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274B
Result file : 25PCBS17116016B.059.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	176.30	
+ 3.41	3.42	3.45	9633.402	4.6627			1
+ 3.41	3.43	3.45	4221.532	2.04328			1
3.41	3.44	3.45	12166.67	5.888837			1
3.52	3.54	3.56	70786.41	13.411146			2
+ 3.52	3.56	3.56	68448.99	12.9683			2
3.65	3.67	3.69	42685.12	6.761912			3
+ 3.65	3.69	3.69	17205.15	2.725533			3
3.74	3.76	3.78	43582.25	9.039592			4
3.88	3.89	3.92	527494.2	54.406196			5
+ 3.88	3.92	3.92	131190.8	13.53113			5
4.24	4.25	4.28	1285672	279.946074			6
Height Summation:			**1982386.65**				
Amount Avg CF:			**61.575626**	Linear:			
Aroclor-1254					6	97.02	
4.18	4.19	4.22	407329.9	50.606545			1
4.24	4.25	4.28	1285672	87.00285			2
4.33	4.34	4.37	2413530	355.731424			3
4.40	4.41	4.44	884883.2	89.557396			4
+ 4.40	4.44	4.44	527849.5	53.422674			4
4.47	4.48	4.51	3177743	580.019202			5
4.62	4.63	4.66	949550.3	131.744238			6
Height Summation:			**9118708.4**				
Amount Avg CF:			**215.776943**	Linear:			
Aroclor-1260					6	12.61	
4.33	4.34	4.37	2413530	219.312197			1
4.47	4.48	4.51	3177743	252.080388			2
4.57	4.58	4.61	2235636	206.592794			3
4.92	4.93	4.96	1798072	207.380266			4
+ 4.92	4.96	4.96	570418.1	65.789055			4
5.11	5.13	5.15	5389045	252.037593			5
5.37	5.38	5.41	3594658	280.278374			6
Height Summation:			**18608684**				
Amount Avg CF:			**236.280269**	Linear:			
Aroclor-1262					6	36.50	
4.73	4.74	4.77	1233888	89.037994			1
4.92	4.93	4.96	1798072	131.196393			2
+ 4.92	4.96	4.96	570418.1	41.620579			2
5.11	5.13	5.15	5389045	187.903625			3
5.33	5.34	5.36	815492.3	75.621723			4
E 5.37	5.38	5.41	3594658	192.024211			5
5.75	5.76	5.79	1327321	123.458224			6
Height Summation:			**14158476.3**				
Amount Avg CF:			**133.207028**	Linear:			
Aroclor-1268					6	117.14	
5.33	5.34	5.37	815492.3	23.937348			1
5.37	5.38	5.41	3594658	108.495652			2
5.53	5.54	5.57	124960.9	4.335153			3
5.59	5.61	5.63	90506.85	12.751148			4
5.75	5.76	5.79	1327321	110.554493			5
5.95	5.96	5.99	326058.9	3.185427			6
Height Summation:			**6278997.95**				
Amount Avg CF:			**43.876537**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			48.6641	9.4466		** 108.08	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998317** RI ACF A4602 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10.48 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274A
Result file : 25PCBS17116016.059.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : May 22, 2017 04:20:35
Instrument : CP25--18274B
Result file : 25PCBS17116016B.059.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			48.6641	14.5992		** 122.08	3	5	
Aroclor-1232			48.6641	11.7366		** 75.95	4	10	
Aroclor-1242			48.6641	11.7366		** 107.78	4	30	
Aroclor-1248			48.6641	9.4466		8.89	4	40	
Aroclor-1254			48.6641	12.5954		37.58	4	40	
Aroclor-1260			48.6641	11.1641		8.51	4	40	
Aroclor-1262			48.6641	9.4466		2.65	4	40	
Aroclor-1268			48.6641	9.4466		13.78	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998317 RI ACF ABA4602 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:20:35 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.059.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		7141	6770
2.051		9042	11065
2.093		11885	14356
2.118		2233	1289
2.143		100198	66011
2.211		50468	35040
2.237		16826	13798
2.288		1612	2010
2.338		185306	140066
2.376		2057	1495
2.404		25384	18211
2.438		541	205
2.454		1481	966
2.473		1012	544
2.488		1460	2786
2.546		1306	963
2.574		1825	1210
2.599		2687	2461
2.647		2234	1239
2.662		21856	13270
2.693		735	503
2.717		1333	868
2.756		9014	9873
2.788		1118	947
2.816		596	458
2.886		2103	1563
2.914		1014	678
2.943	TCX	4546249	3110696
3.051		6576	4741
3.091		1759	1402
3.14		9007	7039
3.195		2997	1925
3.213		978	709
3.247		53908	30995
3.265		80891	48989
3.334		763	839
3.417		3357	7774
3.466		680	336
3.485		1202	744
3.505		1365	765
3.529		5135	3701
3.564		860	663
3.605		8898	6807
3.628		1182	929
3.652		1133	584
3.674		1653	799
3.708		12799	16792
3.748		19214	19330
3.802		11247	10792
3.844		1777	1297
3.874		36025	27235
3.91		8141	10309
3.922		15129	7674
3.997		17728	13079

RT A	Compound A	Height A	Area A
4.021		4476	3026
4.054		12339	9055
4.086		29523	33716
4.132		7276	7247
4.162		1322	639
4.189		9446	6381
4.213		7835	4954
4.248		166514	127529
4.265		27975	14863
4.291		96464	83895
4.361		77471	65619
4.404		382985	412382
4.438		175820	150114
4.478		13657	10097
4.499		18703	13733
4.541		152730	149220
4.592		116103	81670
4.609		29827	15114
4.621		34008	23353
4.653		625551	583559
4.703		341608	364937
4.738		101763	73193
4.779		942754	930035
4.825		63669	55216
4.865		499258	492513
4.898		15642	10110
4.926		217773	223332
4.978		1433214	1793126
5.029		186061	173254
5.066		752950	870054
5.11		42250	27802
5.147		139864	177092
5.181		2004747	2197368
5.248		679836	628587
5.29		483295	486699
5.329		3240	2173
5.385		307359	249664
5.41		742290	638320
5.466		450090	439118
5.504		266909	246329
5.545		47062	49471
5.586		311716	367471
5.643		2414226	2456449
5.728		3752	7673
5.794		1857	2462
5.847		1417410	1349212
5.877		102598	63550
5.903		254567	286184
6.013		7160	4977
6.039		52426	48661
6.09		22899	17899
6.117		233201	230887
6.154		1577	1042
6.181		1541	1268
6.23		180	389
6.274		572841	590355
6.319		41126	39051
6.367		1152	897
6.403		2097	2979
6.478		153349	165936
6.557		1127	1341
6.627	DCB	3071802	3270347
6.685		5051	4059
6.764		871	316
6.821		842	648
6.882		586	954

RT A	Compound A	Height A	Area A
6.907		3558	5363
6.977		588	227

LANCASTER LABORATORIES

Sample Number: 8998317 RI ACF ABA4602 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:20:35 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.059.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.042		1266	859
2.056		9189	6691
2.117		33364	22565
2.144		1830	932
2.161		4689	3140
2.19		1984	1587
2.215		1935	1441
2.234		3075	2508
2.284		1585	1692
2.323		3937	3973
2.367		33070	25056
2.395		1781	2147
2.438		5780	3584
2.465		8443	5374
2.542		1974	2123
2.574		1688	1100
2.595		2729	1544
2.619	TCX	6687284	4052899
2.708		2641	4207
2.791		10253	5948
2.85		7374	8507
2.885		1948	1394
2.917		146160	158660
2.955		6543	3824
3.03		812	2024
3.041		3468	1860
3.114		8216	11738
3.19		4679	3469
3.236		8815	5431
3.254		7344	3378
3.273		17042	13831
3.331		7493	10248
3.364		3119	1879
3.395		22984	17984
3.415		9633	4505
3.431		4222	2202
3.444		12167	7410
3.504		19041	14142
3.539		70786	44217
3.563		68449	38798
3.581		49913	25999
3.602		8688	6499
3.667		42685	28299
3.69		17205	9196
3.712		26262	18764
3.74		30680	16328
3.757		43582	25365
3.795		22316	18157
3.843		25605	26135
3.869		46686	27620
3.89		527494	345957
3.916		131191	78824
3.936		72420	38392
3.955		157597	104075

RT B	Compound B	Height B	Area B
3.99		780484	549989
4.022		396737	353542
4.06		21280	12562
4.101		44587	37743
4.135		250615	209259
4.163		17612	15658
4.192		407330	303360
4.232		201051	227103
4.253		1285672	1342418
4.292		364899	354984
4.345		2413531	1841710
4.383		131180	111171
4.414		884883	621379
4.439		527850	378268
4.481		3177743	2485871
4.537		5731	4038
4.583		2235636	2154717
4.634		949550	794926
4.675		691154	614969
4.712		4185415	3418503
4.745		1233888	874852
4.783		1074405	827086
4.859		150107	115259
4.882		199822	130851
4.899		81101	45252
4.933		1798072	1378395
4.957		570418	395769
5.007		1074235	926619
5.043		554293	461157
5.072		403244	315995
5.104		230872	142667
5.127		5389045	4372684
5.167		104800	75293
5.199		186922	157218
5.263		8738	5981
5.299		3311	2169
5.318		39684	24374
5.341		815492	668434
5.385		3594659	3757386
5.485		3063	3774
5.541		124961	106102
5.586		111105	85381
5.609		90507	65101
5.658		583711	486720
5.704		4010	3840
5.738		2765	1323
5.765		1327321	1100074
5.796		79458	60936
5.874		2794	3055
5.964		326059	288511
5.998		2305	1264
6.063		1404	1417
6.123	DCB	7521986	6822303
6.3		13549	9760
6.327		12748	11719
6.466		1813	1202
6.527		1428	1019
6.552		4153	4406
6.607		4813	11861
6.903		4796	6879

8998317 RI ACF ABA4602 T 171390002A 10225 SW-846 8082

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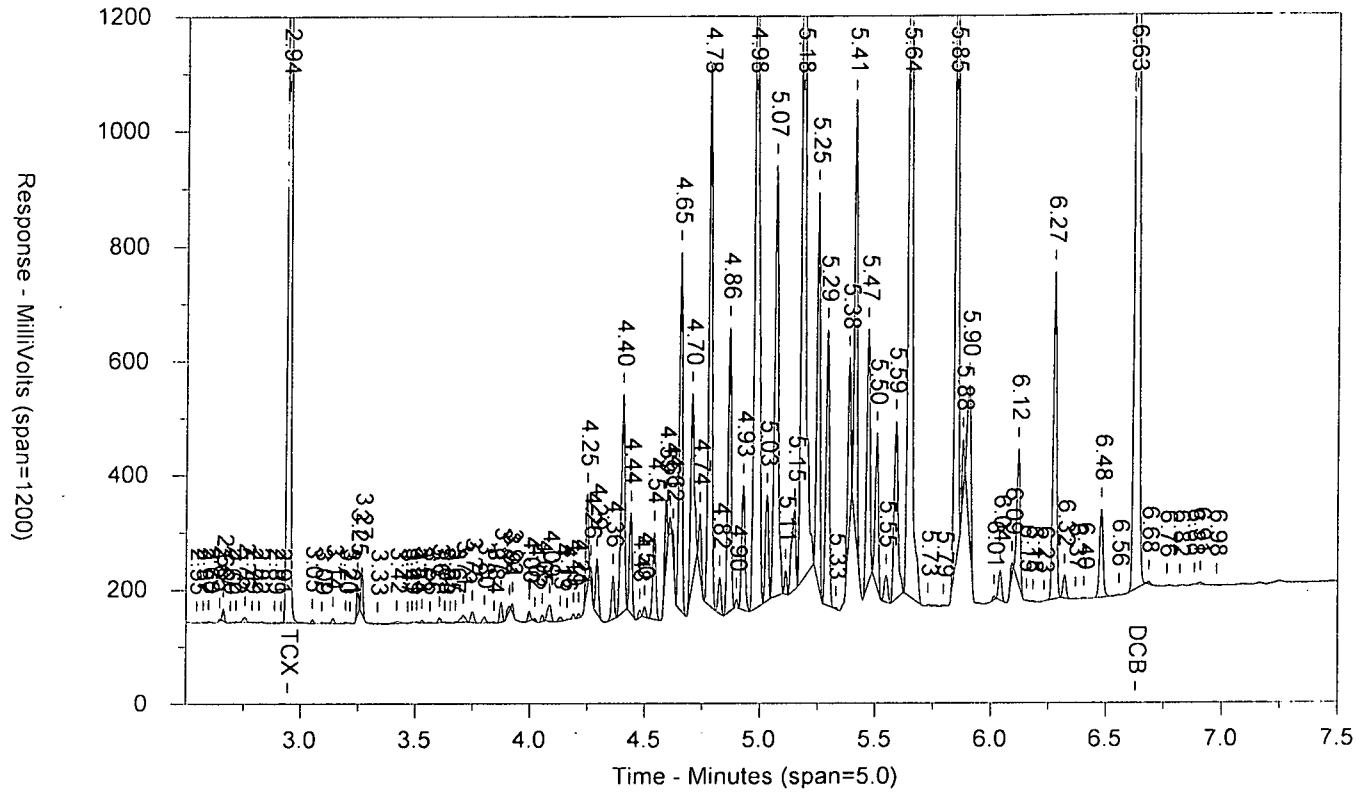

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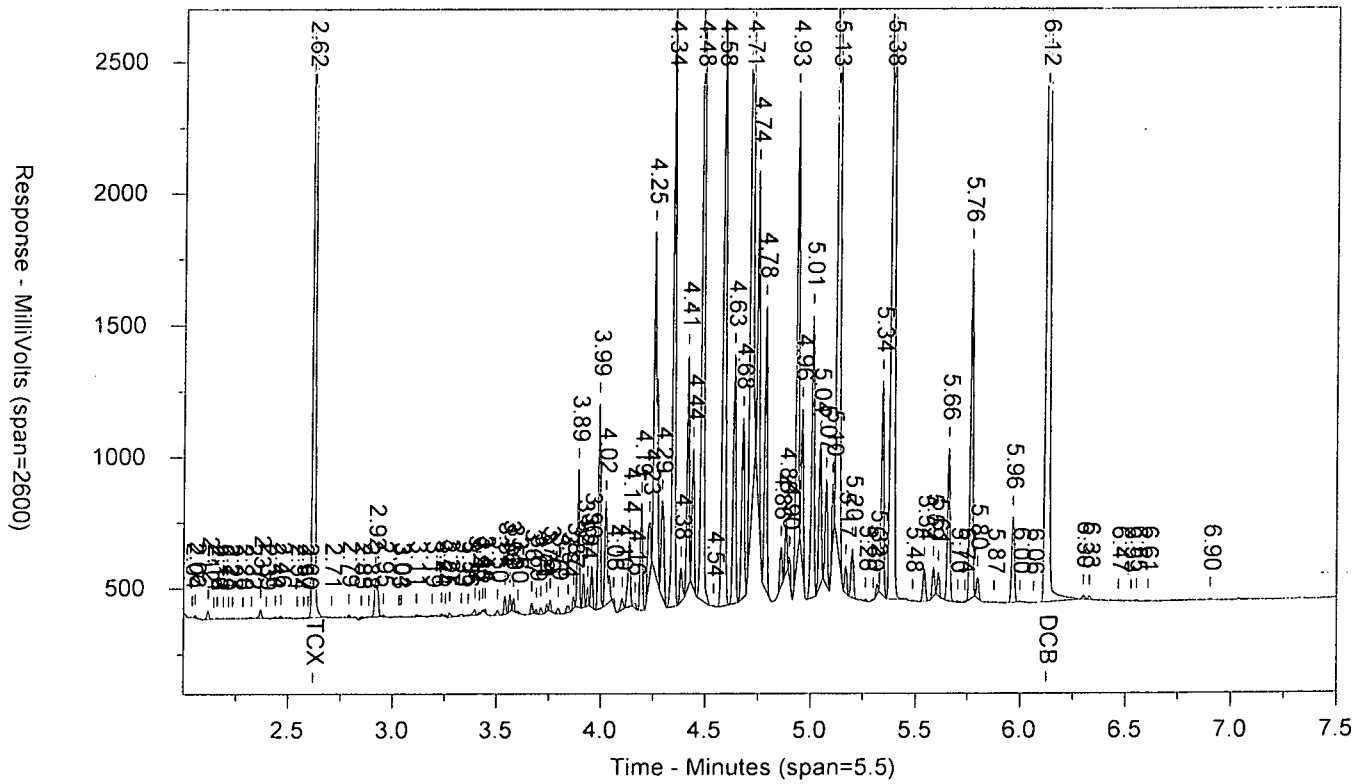

LANCASTER LABORATORIES

Sample Number: 8998317 RI ACF ABA4602 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:20:35 AM Sample Weight: 10.48
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.943	4546249	31.036	TCX	2.619	6687284	33.509	TCX
6.627	3071802	29.404	DCB	6.123	7521986	30.448	DCB

Files:
Area File: 25pcbs17116016.059.RAW
Area File: 25pcbs17116016B.059.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:29:06 AM
File Reported On: 5/22/2017 at 4:29:16 AM

8998317 RI ACF ABA4602 T 171390002A 10225 SW-846 8082

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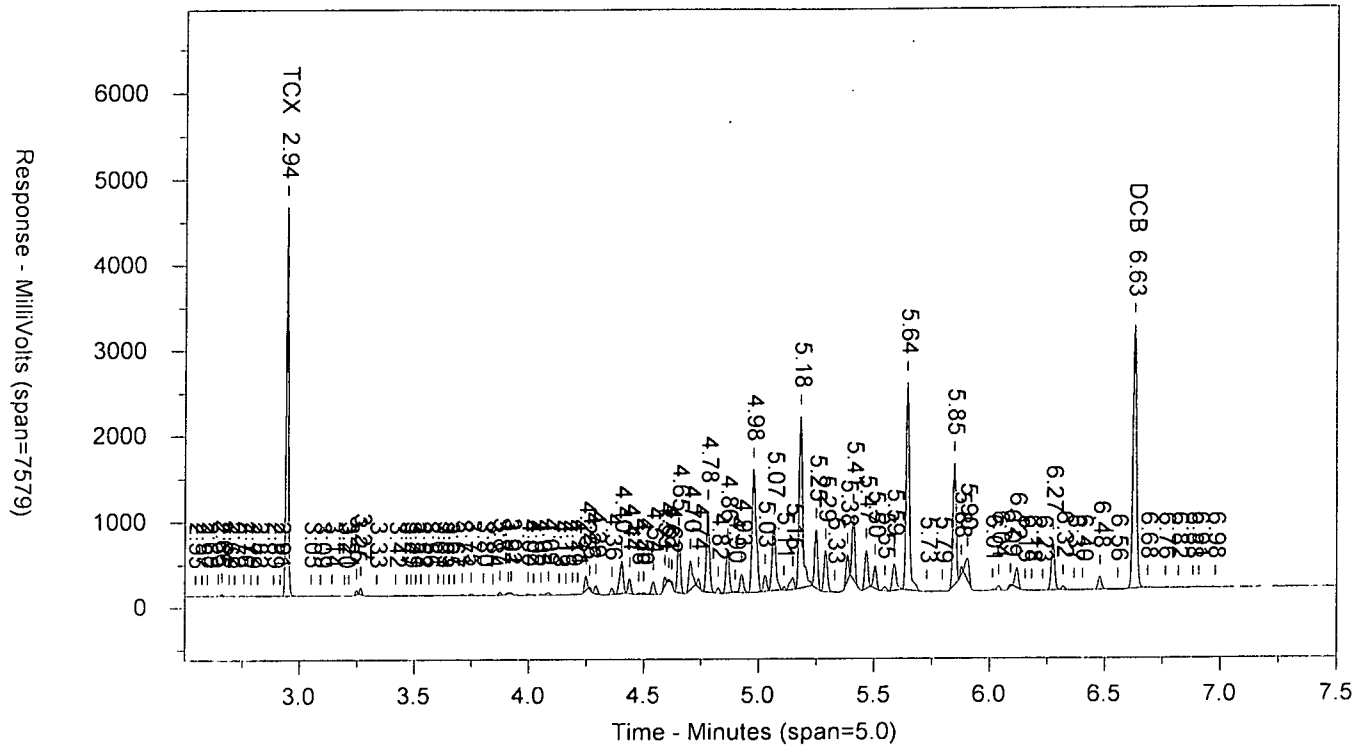

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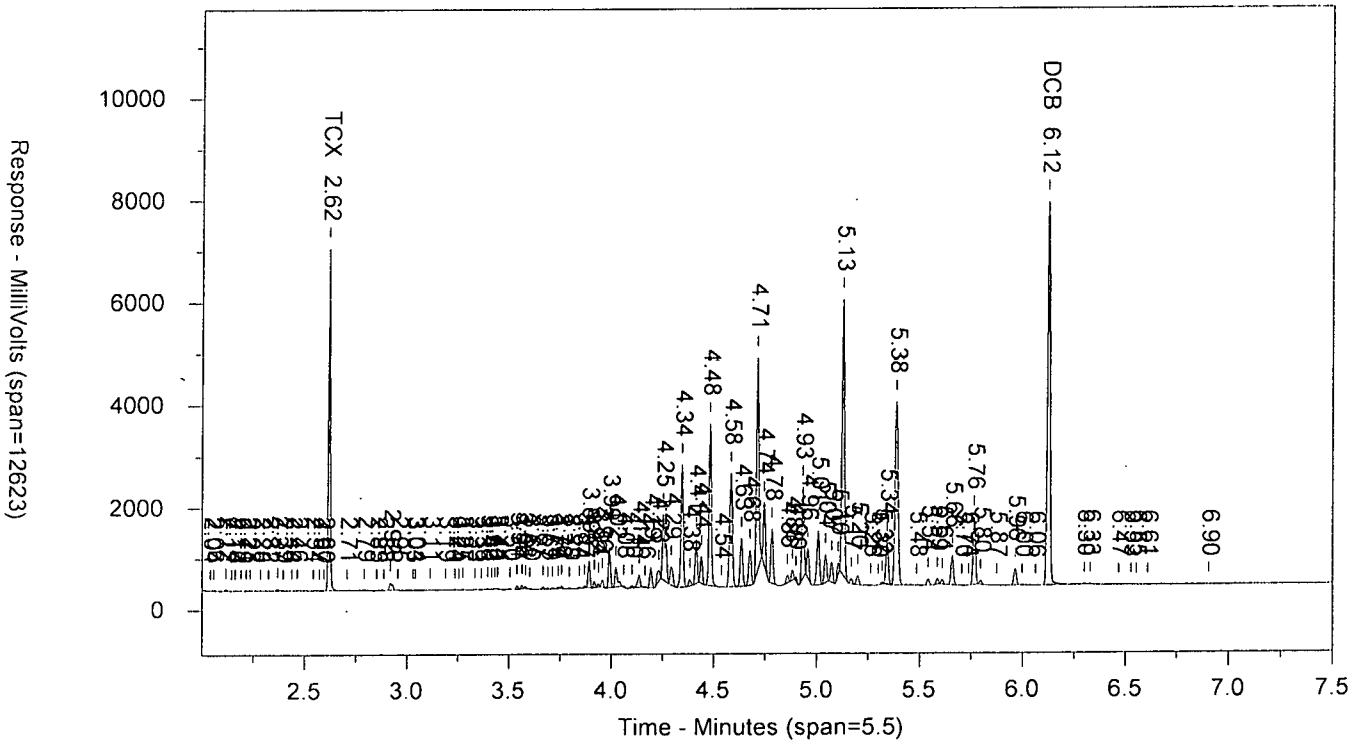

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Data Summary

Sample Name: 8998318 ACF DF5 A4603 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 04:43:20
Instrument	18274A
Result file	25PCBS17116016.061.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 97% (61 - 152) Conc: 27.14857
%SSR(DCB) 106% (48 - 164) Conc: 29.86946

Analysis Report (B)

Injected on	May 22, 2017 04:43:20
Instrument	18274B
Result file	25PCBS17116016B.061.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 100% (61 - 152) Conc: 28.06927
%SSR(DCB) 103% (48 - 164) Conc: 28.82161

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	791567	27.14857
Decachlorobiphenyl	6.61	6.63	6.67	621104	29.86946

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1115002	28.06927
Decachlorobiphenyl	6.10	6.13	6.16	1417258	28.82161

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.14857				3.33	
☑ Decachlorobiphenyl	A	29.86946				3.57	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.44**	
4.76	4.78	4.80	1940609	1923.287802			1
5.05	5.07	5.09	1269983	2172.332317			2
5.23	5.25	5.27	1325260	1931.097877			3
5.40	5.41	5.44	1486112	1987.258088			4
5.63	5.65	5.67	4998336	2465.208382			5
5.83	5.85	5.87	2853435	2304.175973			6

Height summation: **13873735**
Concentration CF: **2130.560073** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.34**	
4.33	4.35	4.37	4834375	2206.974917			1
4.47	4.48	4.51	6384025	2544.262077			2
4.57	4.59	4.61	4495359	2087.014346			3
4.92	4.94	4.96	3754086	2175.261856			4
5.11	5.13	5.15	11695770	2748.079614			5
5.37	5.39	5.41	7292018	2856.450634			6

Height summation: **38455633**
Concentration CF: **2436.340574** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<244.4871	<47.4593			4	
☑ PCB-1221			<244.4871	<73.3461			3	
☑ PCB-1232			<244.4871	<58.9645			4	
☑ PCB-1242			<244.4871	<58.9645			4	
☑ PCB-1248			<244.4871	<47.4593			4	
☑ PCB-1254			<244.4871	<63.279			4	
☑ PCB-1260	B	2436.340574	244.4871	56.0882		13.39	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 23 2017

Verified by:
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998318** ACF DF5 A4603 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:43:20
Instrument : CP25--18274A
Result file : 25PCBS17116016.061.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 27.14857 Bad
%SSR(DCB) : 106% (48-164) Conc.: 29.86946

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	62.48	
3.18	3.20	3.22	4368.195	8.991602			1
3.40	3.42	3.44	5958.75	12.922927			2
3.51	3.53	3.55	11245.82	19.251872			3
3.73	3.75	3.77	22764.74	32.075112			4
3.79	3.81	3.83	19560.59	30.854971			5
3.98	4.00	4.02	24224.26	54.14613			6
Height Summation:			88122.355				
Amount Avg CF:			26.373769	Linear:			
Aroclor-1221					3	37.10	
3.07	3.09	3.11	1864.335	7.878333			1
3.13	3.14	3.17	2822.16	12.991647			2
3.18	3.20	3.22	4368.195	6.570279			3
Height Summation:			9054.69				
Amount Avg CF:			9.146753	Linear:			
Aroclor-1232					6	75.09	
3.18	3.20	3.22	4368.195	7.352996			1
3.40	3.42	3.44	5958.75	27.044423			2
3.52	3.53	3.56	11245.82	38.794163			3
3.74	3.75	3.78	22764.74	64.035697			4
3.79	3.81	3.83	19560.59	66.131894			5
3.99	4.00	4.03	24224.26	125.269479			6
+ 3.99	4.02	4.03	6083.664	31.460091			6
Height Summation:			88122.355				
Amount Avg CF:			54.771442	Linear:			
Aroclor-1242					6	62.51	
3.18	3.20	3.22	4368.195	10.595438			1
3.40	3.42	3.44	5958.75	15.580836			2
3.51	3.53	3.55	11245.82	23.057961			3
3.73	3.75	3.77	22764.74	38.514856			4
3.79	3.81	3.83	19560.59	38.59458			5
3.98	4.00	4.02	24224.26	65.091919			6
Height Summation:			88122.355				
Amount Avg CF:			31.905932	Linear:			
Aroclor-1248					5	190.88	
3.79	3.81	3.83	19560.59	53.807238			1
3.86	3.88	3.90	48908.72	85.677901			2
3.98	4.00	4.02	24224.26	36.695572			3
4.07	4.09	4.11	38077.34	67.029988			4
4.64	4.66	4.68	845447.6	1830.739575			6
Height Summation:			976218.51				
Amount Avg CF:			414.790055	Linear:			
Aroclor-1254					6	112.73	
4.24	4.25	4.28	439862	723.47136			1
+ 4.58	4.60	4.62	128076.1	177.477703			2
4.58	4.61	4.62	150805.7	208.974581			2
4.64	4.66	4.68	845447.6	605.898624			3
4.77	4.78	4.81	1940609	4303.784948			4
4.86	4.87	4.89	624320.4	608.315463			5
5.05	5.07	5.09	1269983	1663.736339			6
Height Summation:			5271027.7				
Amount Avg CF:			1352.363552	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:43:20
Instrument : CP25--18274B
Result file : 25PCBS17116016B.061.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 100% (61-152) Conc.: 28.06927
%SSR(DCB) : 103% (48-164) Conc.: 28.82161

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	124.33	
2.89	2.92	2.93	206221	301.885908			1
3.22	3.24	3.26	22457.05	24.688396			2
+ 3.41	3.42	3.45	5633.6	5.478902			3
3.41	3.43	3.45	22518.18	21.899834			3
3.49	3.51	3.53	40855.18	38.192095			4
3.65	3.67	3.69	57873.45	66.755001			5
3.74	3.74	3.78	51110.31	64.522745			6
+ 3.74	3.76	3.78	46488.27	58.687783			6
Height Summation:			401035.17				
Amount Avg CF:			86.323996	Linear:			
Aroclor-1221					3	138.64	
2.77	2.79	2.81	8702.205	24.551422			1
2.84	2.86	2.88	2185	9.982544			2
2.89	2.92	2.93	206221	223.117781			3
Height Summation:			217108.205				
Amount Avg CF:			85.883916	Linear:			
Aroclor-1232					6	61.87	
2.89	2.92	2.93	206221	241.396136			1
3.22	3.24	3.26	22457.05	52.318199			2
+ 3.41	3.42	3.45	5633.6	12.209848			3
3.41	3.43	3.45	22518.18	48.804239			3
3.49	3.51	3.53	40855.18	85.740295			4
3.65	3.67	3.69	57873.45	157.709508			5
+ 3.65	3.69	3.69	21616.52	58.906644			5
3.75	3.76	3.79	46488.27	126.920693			6
Height Summation:			396413.13				
Amount Avg CF:			118.814845	Linear:			
Aroclor-1242					6	122.42	
2.89	2.92	2.93	206221	360.456795			1
3.22	3.24	3.26	22457.05	30.915018			2
+ 3.41	3.42	3.45	5633.6	6.821601			3
3.41	3.43	3.45	22518.18	27.266765			3
3.49	3.51	3.53	40855.18	48.487105			4
3.65	3.67	3.69	57873.45	82.151082			5
3.74	3.74	3.78	51110.31	75.870937			6
+ 3.74	3.76	3.78	46488.27	69.009728			6
Height Summation:			401035.17				
Amount Avg CF:			104.191284	Linear:			
Aroclor-1248					6	163.67	
+ 3.41	3.42	3.45	5633.6	13.69906			1
3.41	3.43	3.45	22518.18	54.756799			1
3.52	3.54	3.56	91653.98	87.239729			2
3.65	3.67	3.69	57873.45	46.059513			3
3.74	3.74	3.78	51110.31	53.259206			4
+ 3.74	3.76	3.78	46488.27	48.442836			4
3.88	3.89	3.92	972438.2	503.894551			5
4.24	4.26	4.28	1624167	1776.731721			6
Height Summation:			2819761.12				
Amount Avg CF:			420.323587	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998318** ACF DF5 A4603 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.43 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:43:20
Instrument : CP25--18274A
Result file : 25PCBS17116016.061.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	10.44	
4.76	4.78	4.80	1940609	1923.287802			1
5.05	5.07	5.09	1269983	2172.332317			2
5.23	5.25	5.27	1325260	1931.097877			3
5.40	5.41	5.44	1486112	1987.258088			4
5.63	5.65	5.67	4998336	2465.208382			5
5.83	5.85	5.87	2853435	2304.175973			6
Height Summation:			**13873735**				
Amount Avg CF:			**2130.560073**	Linear:			
Aroclor-1262					6	35.62	
E 5.23	5.25	5.27	1325260	1082.115273			1
E 5.40	5.41	5.44	1486112	1409.26322			2
E 5.63	5.65	5.67	4998336	1838.554911			3
E 5.83	5.85	5.87	2853435	1710.970478			4
5.89	5.91	5.93	457745.9	598.782678			5
E 6.26	6.28	6.30	1076270	1090.594974			6
Height Summation:			**12197158.9**				
Amount Avg CF:			**1288.380256**	Linear:			
Aroclor-1268					6	97.34	
E 5.83	5.85	5.87	2853435	968.966962			1
5.89	5.91	5.93	457745.9	170.82734			2
6.03	6.04	6.07	34061.7	13.686956			3
+ 6.09	6.09	6.13	74466.08	115.026988			4
6.09	6.12	6.13	441840.2	682.506015			4
E 6.26	6.28	6.30	1076270	1020.328555			5
6.47	6.48	6.51	214052.7	24.712424			6
Height Summation:			**5077405.5**				
Amount Avg CF:			**480.171375**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:43:20
Instrument : CP25--18274B
Result file : 25PCBS17116016B.061.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	117.66	
4.18	4.20	4.22	563240.2	351.561267			1
4.24	4.26	4.28	1624167	552.180357			2
4.33	4.35	4.37	4834375	3579.784174			3
4.40	4.42	4.44	1031460	524.463027			4
+ 4.40	4.44	4.44	991362.9	504.074988			4
E 4.47	4.48	4.51	6384025	5854.167694			5
4.62	4.64	4.66	1065721	742.855181			6
Height Summation:			**15502988.2**				
Amount Avg CF:			**1934.168617**	Linear:			
Aroclor-1260					6	13.34	
4.33	4.35	4.37	4834375	2206.974917			1
4.47	4.48	4.51	6384025	2544.262077			2
4.57	4.59	4.61	4495359	2087.014346			3
4.92	4.94	4.96	3754086	2175.261856			4
5.11	5.13	5.15	11695770	2748.079614			5
5.37	5.39	5.41	7292018	2856.450634			6
Height Summation:			**38455633**				
Amount Avg CF:			**2436.340574**	Linear:			
Aroclor-1262					6	38.31	
4.73	4.75	4.77	2655090	962.555657			1
E 4.92	4.94	4.96	3754086	1376.150751			2
E 5.11	5.13	5.15	11695770	2048.798021			3
5.33	5.34	5.36	1574506	733.530209			4
E 5.37	5.39	5.41	7292018	1957.010354			5
E 5.75	5.77	5.79	2592604	1211.51062			6
Height Summation:			**29564074**				
Amount Avg CF:			**1381.592602**	Linear:			
Aroclor-1268					6	127.77	
5.33	5.34	5.37	1574506	232.192119			1
E 5.37	5.39	5.41	7292018	1105.730956			2
5.53	5.54	5.57	99472.14	17.337191			3
5.59	5.61	5.63	49821.4	35.263934			4
E 5.75	5.77	5.79	2592604	1084.884731			5
5.95	5.97	5.99	469046.2	23.021529			6
Height Summation:			**12077467.74**				
Amount Avg CF:			**416.405076**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			244.487	47.4592		** 106.39	4	40	
Aroclor-1221			244.487	73.3461		** 161.50	3	5	
Aroclor-1232			244.487	58.9645		** 73.79	4	10	
Aroclor-1242			244.487	58.9645		** 106.23	4	30	
Aroclor-1248			244.487	47.4592		1.33	4	40	
Aroclor-1254			244.487	63.279		35.41	4	40	
Aroclor-1260			244.487	56.0882		13.39	4	40	
Aroclor-1262			244.487	47.4592	E	6.98	4	40	
Aroclor-1268			244.487	47.4592	E	14.22	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998318ACF DF5 ACA4603 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:43:20 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.061.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.021		881	1035
2.053		8918	11831
2.091		10437	14284
2.146		23503	18906
2.213		32690	23527
2.239		2539	2182
2.29		1277	1511
2.34		49013	35814
2.377		2084	1530
2.406		2811	2821
2.448		706	579
2.503		3810	4965
2.548		1649	1273
2.574		728	470
2.6		1399	1059
2.65		2276	1502
2.664		18053	10997
2.723		429	801
2.753		2438	3382
2.791		32505	34485
2.889		930	799
2.914		2329	1882
2.945	TCX	791567	554741
3.053		5060	3616
3.092		1864	1885
3.144		2822	2817
3.197		4368	3184
3.25		27895	15621
3.268		123961	77297
3.335		1201	1017
3.375		434	242
3.417		5959	10566
3.469		700	398
3.487		2737	2395
3.51		1288	565
3.532		11246	8126
3.57		1199	1085
3.608		10311	7270
3.64		3366	4226
3.676		568	145
3.711		30172	36689
3.75		22765	18779
3.806		19561	18133
3.847		1724	1082
3.877		48909	37412
3.913		40403	45627
3.944		1908	2720
4		24224	18129
4.024		6084	3871
4.057		12463	9044
4.089		38077	46635
4.131		6887	5086
4.193		10169	10537
4.216		12226	7874

RT A	Compound A	Height A	Area A
4.252		439862	446174
4.294		98378	84211
4.364		120191	103290
4.407		654709	667788
4.441		196702	167179
4.482		12291	8461
4.503		25686	18789
4.545		203758	206247
4.595		128076	94716
4.612		150806	171579
4.657		845448	778657
4.707		708118	759254
4.742		182731	130862
4.782		1940609	1845932
4.828		69777	61852
4.868		624320	615304
4.9		21950	14025
4.928		389591	383799
4.981		2783161	3460660
5.032		364699	335484
5.07		1269983	1435796
5.113		42659	25817
5.15		239850	277736
5.184		3810367	3831585
5.226		41644	18472
5.252		1325260	1215930
5.293		975245	941402
5.334		6666	4378
5.387		495790	382051
5.412		1486113	1286820
5.468		829797	768857
5.507		514149	495788
5.55		71293	80573
5.589		490129	583296
5.646		4998337	4928820
5.733		3541	3376
5.764		2022	1489
5.794		2871	3251
5.85		2853435	2666607
5.879		200723	119318
5.905		457746	531056
5.948		1753	1266
6.016		16020	12688
6.041		34062	31720
6.092		74466	60668
6.121		441840	427098
6.186		3314	2787
6.277		1076270	1113574
6.322		73578	71497
6.372		837	324
6.481		214053	229813
6.572		658	1419
6.631	DCB	621104	667434
6.689		10072	9923
6.743		731	998
6.782		1849	2880
6.827		2503	3282
6.867		619	212
6.911		5157	9441
6.989		534	183

LANCASTER LABORATORIES

Sample Number: 8998318ACF DF5 ACA4603 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:43:20 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.061.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.119		5440	7154
2.161		4124	5155
2.211		2172	2567
2.241		2409	2873
2.29		1164	941
2.324		3755	3785
2.369		29691	25810
2.439		948	559
2.468		2203	2384
2.537		3889	1915
2.554		81153	73627
2.621	TCX	1115002	690997
2.708		2985	5120
2.769		1010	1057
2.793		8702	8859
2.856		2185	2181
2.885		1758	855
2.919		206221	171342
2.957		2008	1283
3.019		1672	2404
3.043		5548	3633
3.116		11181	12190
3.165		1999	1459
3.19		6158	3949
3.214		5909	3057
3.237		22457	18886
3.276		21893	14944
3.322		5696	3486
3.338		7379	3923
3.397		53411	45927
3.418		5634	2552
3.433		22518	23894
3.507		40855	28585
3.542		91654	57703
3.566		97667	56938
3.583		17679	7635
3.6		9246	6299
3.67		57873	38094
3.693		21617	11721
3.714		28683	19221
3.743		51110	28143
3.76		46488	26914
3.798		24441	21737
3.843		41194	42959
3.872		44373	27385
3.893		972438	660228
3.919		142443	80932
3.938		62578	33470
3.958		248459	164004
3.993		1390372	953610
4.025		468583	518594
4.104		51583	40321
4.138		317431	292652
4.167		20601	15160

RT B	Compound B	Height B	Area B
4.195		563240	416754
4.237		396346	346521
4.256		1624167	2105068
4.296		684593	683447
4.347		4834375	3582026
4.386		144631	131703
4.418		1031460	699845
4.442		991363	715686
4.485		6384025	4880414
4.539		9314	6113
4.587		4495359	4278764
4.638		1065721	958993
4.678		1295287	1089647
4.715		7560844	6331299
4.747		2655090	1801391
4.786		2218305	1685508
4.83		3080	1739
4.862		18654	12723
4.885		575115	635105
4.936		3754087	2855224
4.96		831114	543013
5.01		2060378	1805852
5.045		1123636	905506
5.075		734852	577194
5.108		303770	182287
5.13		11695770	9237558
5.171		203503	150506
5.201		266973	218618
5.266		8213	5357
5.32		76958	45986
5.344		1574506	1272509
5.388		7292018	7693469
5.491		4069	5210
5.543		99472	88911
5.589		224303	174645
5.611		49821	30874
5.633		11415	6214
5.66		1087556	925462
5.705		5992	5550
5.74		3145	1568
5.767		2592605	2159460
5.799		145931	108257
5.967		469046	434237
6.126	DCB	1417258	1307751
6.303		24584	20339
6.331		7834	6344
6.494		1645	2017
6.608		3473	4947
6.659		2295	2086
6.906		5085	7221

8998318ACF DF5 ACA4603 T 171390002A 10225 SW-846 8082

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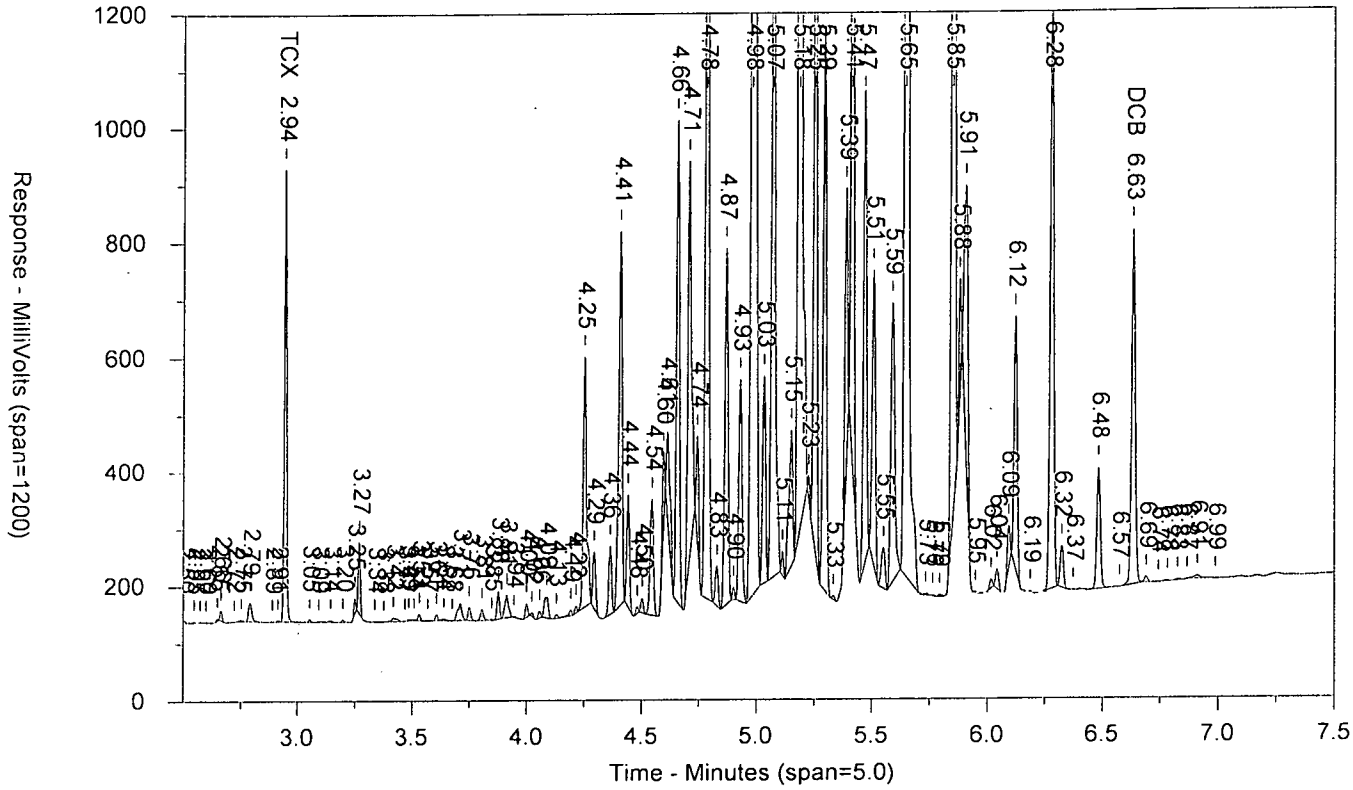

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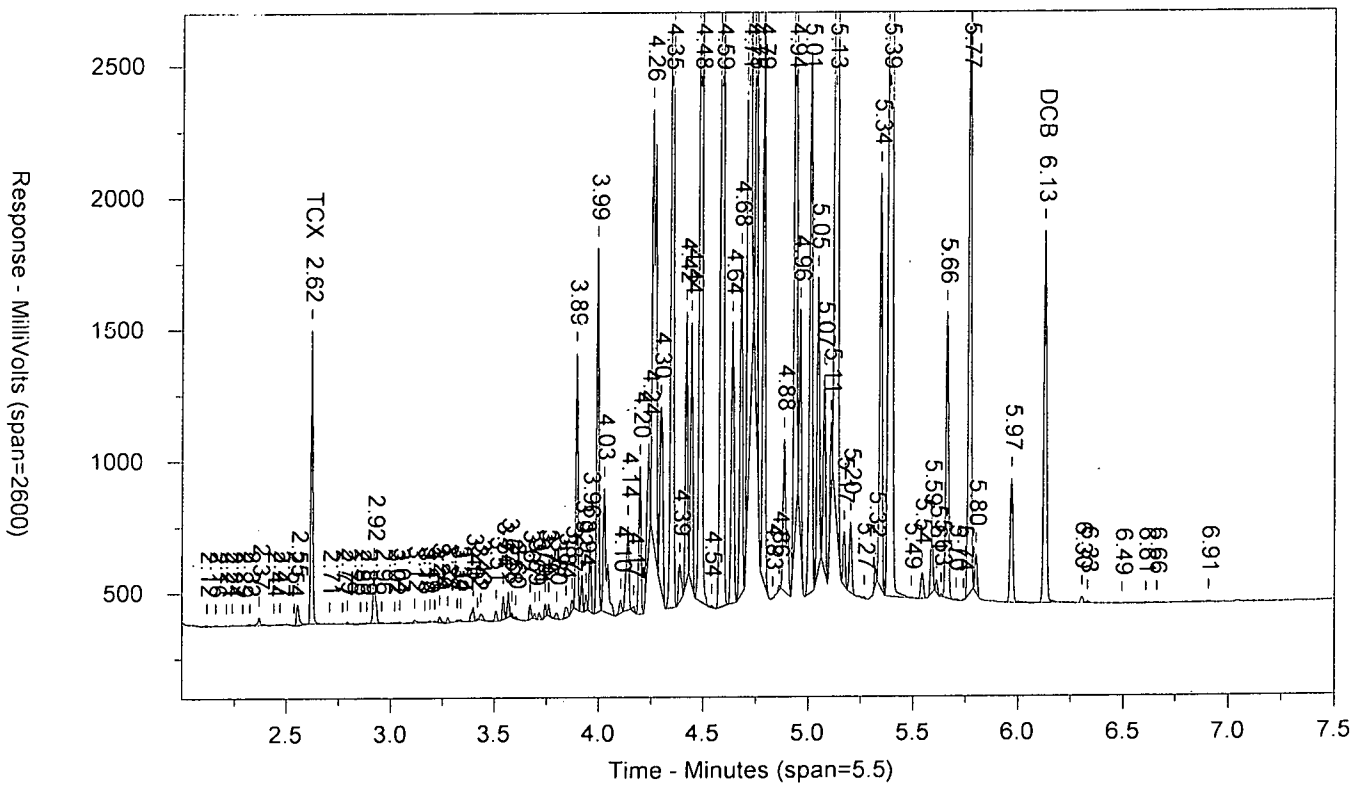

LANCASTER LABORATORIES

Sample Number: 8998318ACF DF5 ACA4603 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:43:20 AM
Sample Weight: 10.43
Instrument ID: CP25-18274
Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	791567	27.149	TCX	2.621	1115002	28.069	TCX
6.631	621104	29.869	DCB	6.126	1417258	28.822	DCB

Files:
Area File: 25pcbs17116016.061.RAW
Area File: 25pcbs17116016B.061.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:51:52 AM
File Reported On: 5/22/2017 at 4:51:58 AM

8998318ACF DF5 ACA4603 T 171390002A 10225 SW-846 8082

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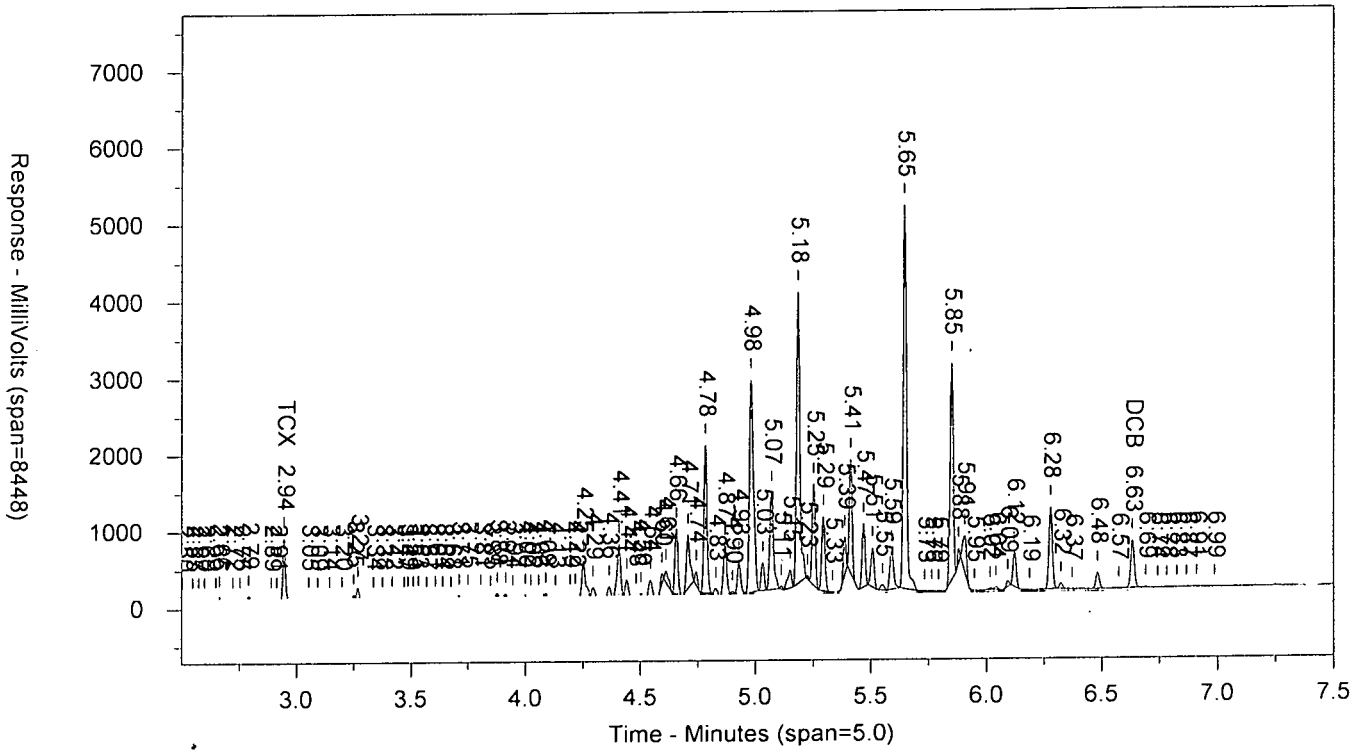

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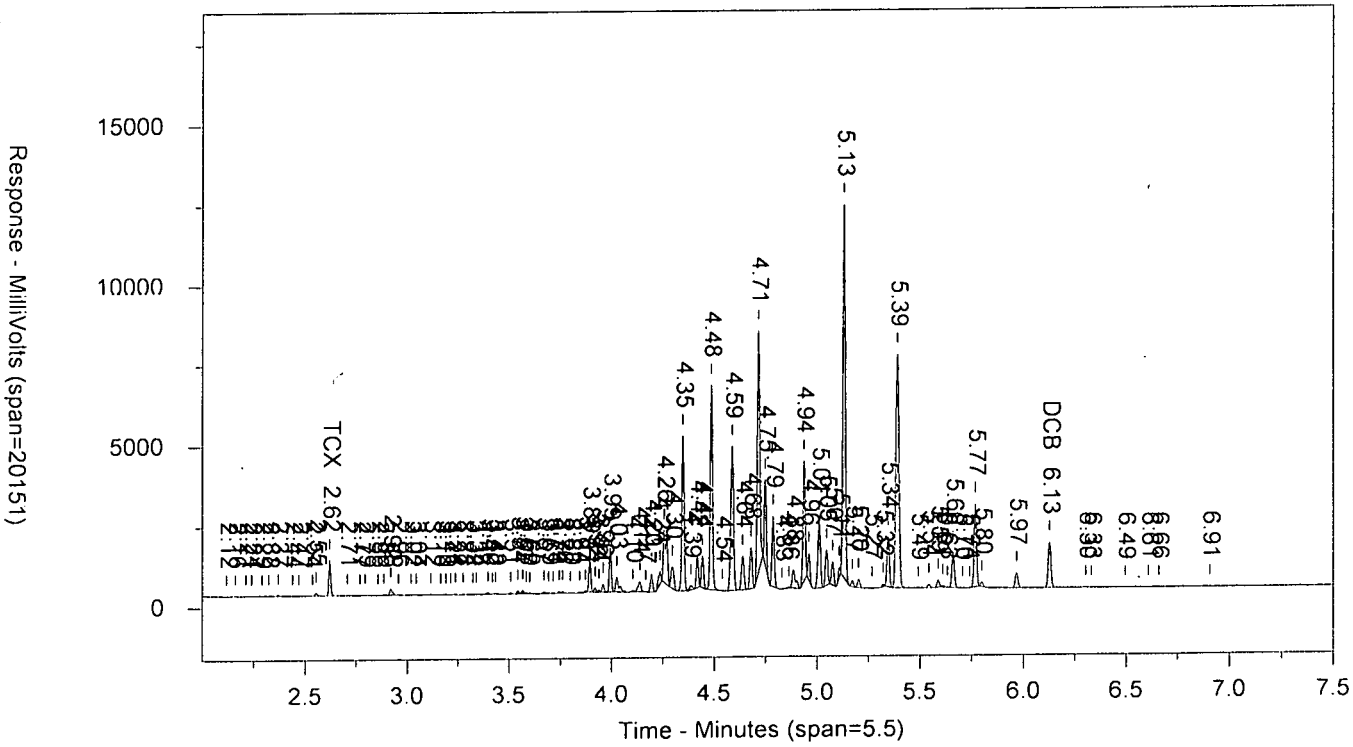

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Data Summary

Sample Name: 8998319 ACF DF10 A4604 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 04:54:38
Instrument	18274A
Result file	25PCBS17116016.062.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 99% (61 - 152) Conc: 28.05044
%SSR(DCB) 118% (48 - 164) Conc: 33.41716

Analysis Report (B)

Injected on	May 22, 2017 04:54:38
Instrument	18274B
Result file	25PCBS17116016B.062.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 27.79388
%SSR(DCB) 117% (48 - 164) Conc: 32.99947

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	405403	28.05044
Decachlorobiphenyl	6.61	6.63	6.67	344439	33.41716

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	547268	27.79388
Decachlorobiphenyl	6.10	6.13	6.16	804348	32.99947

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.05044				0.92	
☑ Decachlorobiphenyl	A	33.41716				1.26	

Multiple Component Data

Aroclor-1260 — %RSD 15.49

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	1747280	3493.514154			1
5.05	5.07	5.09	1491425	5146.63702			2
5.23	5.25	5.27	1200478	3528.99601			3
5.40	5.41	5.44	1415098	3817.534888			4
5.63	5.65	5.67	4431656	4409.486279			5
5.83	5.85	5.87	2702822	4403.103258			6

Height summation: **12988759**
Concentration CF: **4133.211935** L:

Aroclor-1260 — %RSD 12.84

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	4461999	4109.417782			1
4.47	4.48	4.51	6085290	4892.629288			2
4.57	4.59	4.61	4350907	4075.065746			3
4.92	4.94	4.96	3444010	4025.923296			4
5.11	5.13	5.15	10471400	4963.625491			5
5.37	5.39	5.41	6855630	5417.764544			6

Height summation: **35669236**
Concentration CF: **4580.737691** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<493.2302	<95.7447			4	
☑ PCB-1221			<493.2302	<147.9691			3	
☑ PCB-1232			<493.2302	<118.9555			4	
☑ PCB-1242			<493.2302	<118.9555			4	
☑ PCB-1248			<493.2302	<95.7447			4	
☑ PCB-1254			<493.2302	<127.6596			4	
☑ PCB-1260	B	4580.737691	493.2302	113.1528		10.27	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998319** ACF DF10 A4604 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:54:38
Instrument : CP25--18274A
Result file : 25PCBS17116016.062.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 99% (61-152) Conc.: 28.05044 Bcs
%SSR(DCB) : 118% (48-164) Conc.: 33.41716

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**94.09**	
3.18	3.20	3.22	5622.749	23.349495			1
3.40	3.42	3.44	3763.647	16.466768			2
+ 3.40	3.43	3.44	2495.494	10.918325			2
3.51	3.53	3.55	8297.165	28.655324			3
3.73	3.75	3.77	38363.14	109.04692			4
3.79	3.81	3.83	19169.35	61.002038			5
3.98	4.00	4.02	41855.45	188.73945			6
Height Summation:			**117071.501**				
Amount Avg CF:			**71.209999**	Linear:			
Aroclor-1221					**3**	**20.53**	
3.07	3.09	3.11	3039.411	25.911563			1
3.13	3.14	3.17	2336.337	21.697606			2
3.18	3.20	3.22	5622.749	17.061776			3
Height Summation:			**10998.497**				
Amount Avg CF:			**21.556982**	Linear:			
Aroclor-1232					**6**	**106.31**	
3.18	3.20	3.22	5622.749	19.094344			1
3.40	3.42	3.44	3763.647	34.460788			2
+ 3.40	3.43	3.44	2495.494	22.849298			2
3.52	3.53	3.56	8297.165	57.742922			3
3.74	3.75	3.78	38363.14	217.704475			4
3.79	3.81	3.83	19169.35	130.746527			5
3.99	4.00	4.03	41855.45	436.657106			6
+ 3.99	4.02	4.03	8803.231	91.839734			6
Height Summation:			**117071.501**				
Amount Avg CF:			**149.401027**	Linear:			
Aroclor-1242					**6**	**93.68**	
3.18	3.20	3.22	5622.749	27.514356			1
3.40	3.42	3.44	3763.647	19.853553			2
+ 3.40	3.43	3.44	2495.494	13.16394			2
3.51	3.53	3.55	8297.165	34.320473			3
3.73	3.75	3.77	38363.14	130.94035			4
3.79	3.81	3.83	19169.35	76.303686			5
3.98	4.00	4.02	41855.45	226.893648			6
Height Summation:			**117071.501**				
Amount Avg CF:			**85.971011**	Linear:			
Aroclor-1248					**6**	**199.48**	
3.79	3.81	3.83	19169.35	106.37998			1
3.86	3.88	3.90	75145.2	265.569095			2
3.98	4.00	4.02	41855.45	127.911302			3
4.07	4.09	4.11	57897.95	205.617224			4
4.25	4.27	4.29	80874.27	288.612208			5
4.64	4.66	4.68	1239944	5416.711571			6
Height Summation:			**1514886.22**				
Amount Avg CF:			**1068.466897**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:54:38
Instrument : CP25--18274B
Result file : 25PCBS17116016B.062.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 98% (61-152) Conc.: 27.79388
%SSR(DCB) : 117% (48-164) Conc.: 32.99947

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**103.87**	
+ 2.89	2.89	2.93	1587.866	4.689403			1
2.89	2.92	2.93	213875.5	631.632917			1
3.22	3.24	3.26	23502.93	52.126186			2
+ 3.41	3.42	3.45	5206.871	10.215935			3
3.41	3.43	3.45	42774.19	83.923404			3
3.49	3.51	3.53	39540.43	74.569547			4
3.65	3.67	3.69	96241.64	223.955232			5
+ 3.74	3.74	3.78	68098.58	173.43476			6
3.74	3.76	3.78	75597.22	192.532439			6
Height Summation:			**491531.91**				
Amount Avg CF:			**209.789954**	Linear:			
Aroclor-1221					**3**	**109.25**	
2.77	2.79	2.81	26125.18	148.696378			1
2.84	2.86	2.88	1972.304	18.178474			2
+ 2.89	2.89	2.93	1587.866	3.465843			3
2.89	2.92	2.93	213875.5	466.82714			3
Height Summation:			**241972.984**				
Amount Avg CF:			**211.233997**	Linear:			
Aroclor-1232					**6**	**58.12**	
+ 2.89	2.89	2.93	1587.866	3.749774			1
2.89	2.92	2.93	213875.5	505.070763			1
3.22	3.24	3.26	23502.93	110.462751			2
+ 3.41	3.42	3.45	5206.871	22.766425			3
3.41	3.43	3.45	42774.19	187.025067			3
3.49	3.51	3.53	39540.43	167.406763			4
3.65	3.67	3.69	96241.64	529.096981			5
+ 3.65	3.69	3.69	28659.38	157.557492			5
3.75	3.76	3.79	75597.22	416.378829			6
Height Summation:			**491531.91**				
Amount Avg CF:			**319.240192**	Linear:			
Aroclor-1242					**6**	**102.10**	
+ 2.89	2.89	2.93	1587.866	5.599225			1
2.89	2.92	2.93	213875.5	754.180209			1
3.22	3.24	3.26	23502.93	65.272848			2
+ 3.41	3.42	3.45	5206.871	12.719525			3
3.41	3.43	3.45	42774.19	104.490278			3
3.49	3.51	3.53	39540.43	94.670415			4
3.65	3.67	3.69	96241.64	275.607287			5
+ 3.74	3.74	3.78	68098.58	203.93828			6
3.74	3.76	3.78	75597.22	226.394839			6
Height Summation:			**491531.91**				
Amount Avg CF:			**253.43598**	Linear:			
Aroclor-1248					**6**	**175.90**	
+ 3.41	3.42	3.45	5206.871	25.543203			1
3.41	3.43	3.45	42774.19	209.836159			1
3.52	3.54	3.56	139290.1	267.47118			2
3.65	3.67	3.69	96241.64	154.524288			3
3.74	3.76	3.78	75597.22	158.922638			4
3.88	3.89	3.92	994368.5	1039.486311			5
4.24	4.26	4.28	2598459	5734.569334			6
Height Summation:			**3946730.65**				
Amount Avg CF:			**1260.801652**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998319** ACF DF10 A4604 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:54:38
Instrument : CP25--18274A
Result file : 25PCBS17116016.062.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	93.08	
4.24	4.25	4.28	290623.9	964.339576			1
+ 4.24	4.27	4.28	80874.27	268.354596			1
4.58	4.59	4.62	221674.2	619.704458			2
+ 4.58	4.61	4.62	51820.08	144.866361			2
4.64	4.66	4.68	1239944	1792.706144			3
4.77	4.78	4.81	1747280	7817.516244			4
4.86	4.87	4.89	1098074	2158.473415			5
5.05	5.07	5.09	1491425	3941.683768			6
Height Summation:			**6089021.1**				
Amount Avg CF:			**2882.403934**	Linear:			
Aroclor-1260					6	15.49	
4.76	4.78	4.80	1747280	3493.514154			1
5.05	5.07	5.09	1491425	5146.63702			2
5.23	5.25	5.27	1200478	3528.99601			3
5.40	5.41	5.44	1415098	3817.534888			4
5.63	5.65	5.67	4431656	4409.486279			5
5.83	5.85	5.87	2702822	4403.103258			6
Height Summation:			**12988759**				
Amount Avg CF:			**4133.211935**	Linear:			
Aroclor-1262					6	33.38	
E 5.23	5.25	5.27	1200478	1977.517828			1
E 5.40	5.41	5.44	1415098	2707.203227			2
E 5.63	5.65	5.67	4431656	3288.599339			3
E 5.83	5.85	5.87	2702822	3269.533131			4
5.89	5.90	5.93	449070.8	1185.095496			5
E 6.26	6.28	6.30	1084348	2216.688688			6
Height Summation:			**11283472.8**				
Amount Avg CF:			**2440.772952**	Linear:			
Aroclor-1268					6	97.58	
5.83	5.85	5.87	2702822	1851.621419			1
5.89	5.90	5.93	449070.8	338.097141			2
6.03	6.04	6.07	36308.69	29.433702			3
+ 6.09	6.09	6.13	78570.38	244.846486			4
6.09	6.12	6.13	419875.4	1308.444941			4
E 6.26	6.28	6.30	1084348	2073.868687			5
6.47	6.48	6.51	230919	53.783377			6
Height Summation:			**4923343.89**				
Amount Avg CF:			**942.541544**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:54:38
Instrument : CP25--18274B
Result file : 25PCBS17116016B.062.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	90.93	
4.18	4.20	4.22	797798.2	1004.60236			1
4.24	4.26	4.28	2598459	1782.214221			2
4.33	4.35	4.37	4461999	6665.607583			3
4.40	4.42	4.44	2231916	2289.465467			4
+ 4.40	4.44	4.44	1041636	1068.494357			4
E 4.47	4.48	4.51	6085290	11257.595109			5
4.62	4.64	4.66	2076343	2919.802638			6
Height Summation:			**18251805.2**				
Amount Avg CF:			**4319.88123**	Linear:			
Aroclor-1260					6	12.84	
4.33	4.35	4.37	4461999	4109.417782			1
4.47	4.48	4.51	6085290	4892.629288			2
4.57	4.59	4.61	4350907	4075.065746			3
4.92	4.94	4.96	3444010	4025.923296			4
5.11	5.13	5.15	10471400	4963.625491			5
5.37	5.39	5.41	6855630	5417.764544			6
Height Summation:			**35669236**				
Amount Avg CF:			**4580.737691**	Linear:			
Aroclor-1262					6	37.90	
4.73	4.75	4.77	2335938	1708.44767			1
E 4.92	4.94	4.96	3444010	2546.947326			2
E 5.11	5.13	5.15	10471400	3700.571858			3
5.33	5.34	5.36	1498716	1408.597111			4
E 5.37	5.39	5.41	6855630	3711.816751			5
E 5.75	5.77	5.79	2467871	2326.522509			6
Height Summation:			**27073565**				
Amount Avg CF:			**2567.150537**	Linear:			
Aroclor-1268					6	127.35	
5.33	5.34	5.37	1498716	445.878225			1
E 5.37	5.39	5.41	6855630	2097.214598			2
5.53	5.54	5.57	105074.1	36.945939			3
5.59	5.61	5.63	44306.13	63.266296			4
+ 5.59	5.63	5.63	13476.52	19.243601			4
E 5.75	5.77	5.79	2467871	2083.356682			5
5.95	5.97	5.99	512769.9	50.773234			6
Height Summation:			**11484367.13**				
Amount Avg CF:			**796.239163**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			493.2302	95.7447		** 98.63	4	40	
Aroclor-1221			493.2302	147.969		** 162.96	3	5	
Aroclor-1232			493.2302	118.9555		** 72.48	4	10	
Aroclor-1242			493.2302	118.9555		** 98.68	4	30	
Aroclor-1248			493.2302	95.7447		16.51	4	40	
Aroclor-1254			493.2302	127.6596		39.92	4	40	
Aroclor-1260			493.2302	113.1528		10.27	4	40	
Aroclor-1262			493.2302	95.7447	E	5.05	4	40	
Aroclor-1268			493.2302	95.7447	E	16.83	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998319ACF DF10 ACA4604 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:54:38 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.062.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		1137	1046
2.053		12982	14585
2.091		4425	5576
2.145		8137	8557
2.212		96279	77162
2.29		2689	2281
2.339		24437	18092
2.376		1700	1191
2.396		3028	3111
2.459		476	532
2.502		2668	3433
2.547		868	773
2.575		1197	843
2.6		10012	7341
2.649		4044	2233
2.664		35434	21833
2.701		527	296
2.725		362	340
2.756		2651	6583
2.819		2361	1827
2.89		1066	796
2.915		1383	1122
2.944	TCX	405403	281064
3.052		16629	11122
3.094		3039	3513
3.143		2336	2594
3.197		5623	4752
3.249		60231	33870
3.267		119328	72423
3.333		1391	1094
3.416		3764	2348
3.434		2495	2010
3.469		464	323
3.485		5227	5727
3.531		8297	6061
3.568		2052	1910
3.607		17320	11891
3.64		1813	1458
3.656		1407	756
3.71		22810	28359
3.749		38363	32332
3.805		19169	17523
3.847		2296	1693
3.876		75145	57209
3.912		49589	71240
3.949		2866	1969
3.974		1873	1118
4		41855	30943
4.024		8803	5403
4.056		22023	15992
4.087		57898	68294
4.131		10302	8864
4.176		3336	4194
4.192		7568	4563

RT A	Compound A	Height A	Area A
4.215		17215	11134
4.251		290624	209470
4.269		80874	46485
4.293		183209	151248
4.363		136717	117567
4.406		714603	761973
4.441		320131	269176
4.481		23600	17084
4.503		37506	27187
4.544		285053	276807
4.595		221674	165577
4.611		51820	23290
4.624		79788	44896
4.656		1239944	1116625
4.706		597387	640214
4.74		184287	129780
4.782		1747280	1676871
4.827		132246	118809
4.867		1098074	1093973
4.9		22156	13405
4.928		397635	407112
4.98		2546812	3264208
5.031		331085	293429
5.068		1491425	1729697
5.113		83295	56462
5.15		240326	290753
5.184		3874404	3931057
5.223		45894	22935
5.251		1200478	1135339
5.293		866099	867274
5.331		9435	6581
5.387		601402	464567
5.412		1415098	1171683
5.467		742130	699215
5.506		480703	444269
5.548		65313	68707
5.587		586271	707338
5.646		4431657	4536079
5.732		5363	4278
5.764		4305	2860
5.796		3948	5203
5.849		2702822	2509526
5.879		177622	111154
5.905		449071	511369
5.992		2658	1862
6.015		16546	12540
6.04		36309	34133
6.091		78570	61546
6.12		419875	408908
6.155		3513	2479
6.185		3094	2456
6.226		1059	1093
6.276		1084348	1068931
6.321		71881	71526
6.365		3425	3395
6.399		1930	2548
6.481		230919	245330
6.56		1280	1518
6.63	DCB	344439	403565
6.688		10229	9258
6.731		776	568
6.787		2243	3944
6.832		3395	5231
6.879		1192	2153
6.909		4148	7356
6.963		1631	1525

LANCASTER LABORATORIES

Sample Number: 8998319ACF DF10 ACA4604 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:54:38 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.062.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.035		3469	10664
2.116		6815	10899
2.162		16617	12632
2.216		1570	1069
2.233		2737	4053
2.315		5147	6246
2.369		57754	47524
2.465		3344	5155
2.498		4247	4352
2.541		2493	2734
2.621	TCX	547268	352061
2.723		4878	9852
2.772		1358	2653
2.793		26125	17690
2.856		1972	1808
2.888		1588	1052
2.919		213876	220109
2.998		1617	947
3.019		2235	1603
3.042		5902	3304
3.082		1585	1666
3.115		15824	19807
3.164		1862	1613
3.189		7819	4275
3.214		2605	1466
3.238		23503	29025
3.275		42681	30952
3.321		6320	4613
3.338		3381	1417
3.365		3374	1919
3.397		40560	35756
3.417		5207	2501
3.433		42774	44757
3.506		39540	29572
3.542		139290	85456
3.565		128686	73312
3.583		43029	21322
3.669		96242	65519
3.692		28659	15074
3.713		51782	35987
3.742		68099	37360
3.759		75597	45080
3.797		39764	35378
3.846		48518	52647
3.871		103768	64022
3.893		994369	644815
3.919		273625	162600
3.938		113878	61596
3.958		273793	170493
3.993		1511422	1041206
4.025		810955	871453
4.104		86327	75107
4.138		468578	400103
4.167		52474	40343

RT B	Compound B	Height B	Area B
4.195		797798	594755
4.235		370880	411251
4.255		2598459	2612518
4.294		655764	640009
4.347		4461999	3460393
4.385		282277	231055
4.417		2231916	1531736
4.441		1041636	713054
4.484		6085290	4720729
4.538		10121	6306
4.586		4350907	4132522
4.636		2076343	1753984
4.677		1349474	1156144
4.714		8025290	6650737
4.747		2335939	1634076
4.785		1981591	1538264
4.844		16007	8543
4.859		14333	8430
4.885		425010	287705
4.902		159264	92895
4.936		3444010	2630720
4.96		1164078	782634
5.009		1926540	1712122
5.045		1065638	835154
5.074		683685	559038
5.107		545198	325783
5.129		10471400	8350597
5.17		191281	132666
5.201		259945	219494
5.247		5643	3937
5.267		17111	12092
5.3		8118	5678
5.319		70702	43947
5.343		1498716	1222226
5.387		6855631	6941115
5.456		9401	8032
5.484		4508	6356
5.542		105074	89526
5.588		221664	171226
5.61		44306	27381
5.633		13477	7189
5.659		1049214	879460
5.703		9906	8578
5.738		5298	2905
5.767		2467871	2065760
5.798		145844	108596
5.865		2783	7725
5.966		512770	442385
6.049		1998	2705
6.125	DCB	804348	706652
6.161		5229	3749
6.253		1639	1628
6.302		22032	17186
6.329		66938	56242
6.396		4237	4770
6.552		9704	15542
6.608		9986	18055
6.659		2884	3084
6.755		2684	4414
6.805		1786	1850
6.858		1661	2093
6.905		4976	5323
6.943		1615	1814
6.978		2962	2872

8998319ACF DF10 ACA4604 T 171390002A 10225 SW-846 8082

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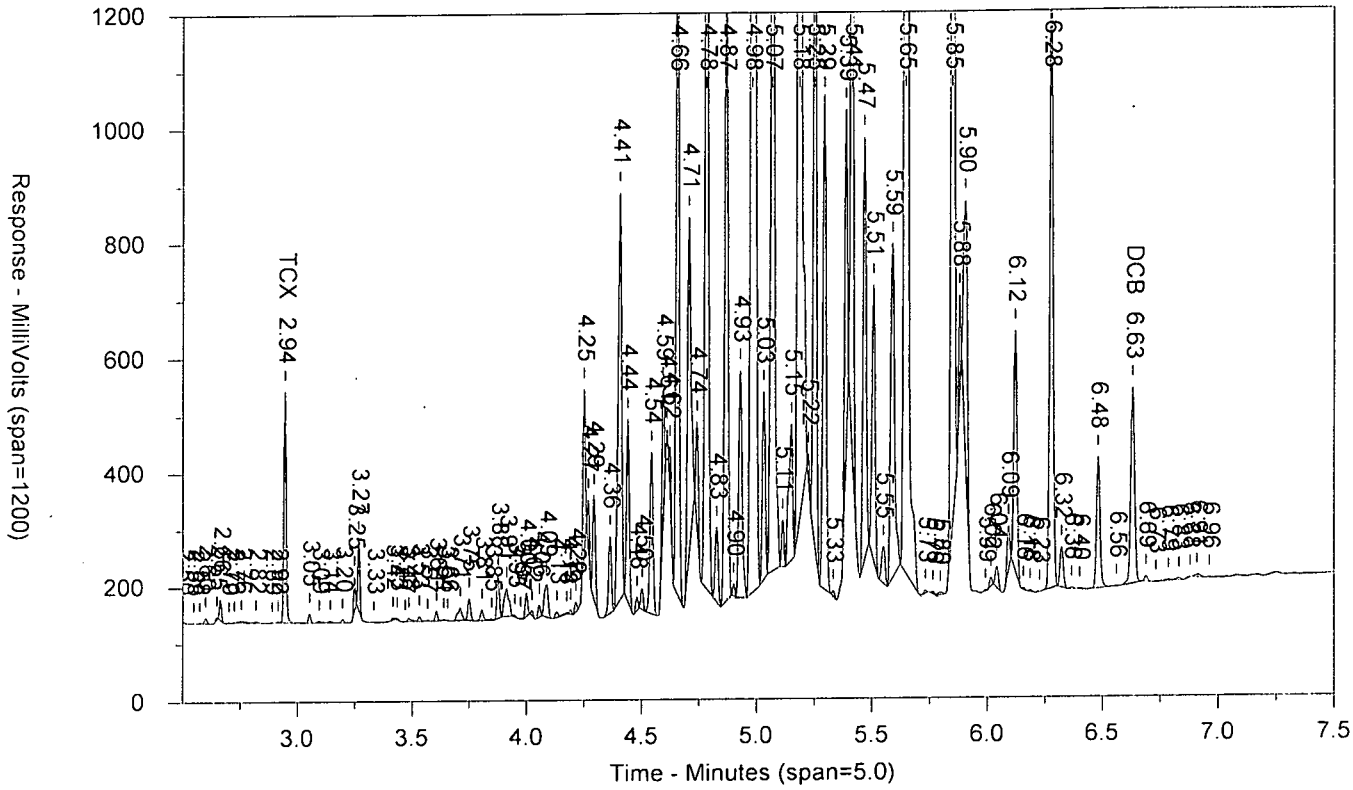

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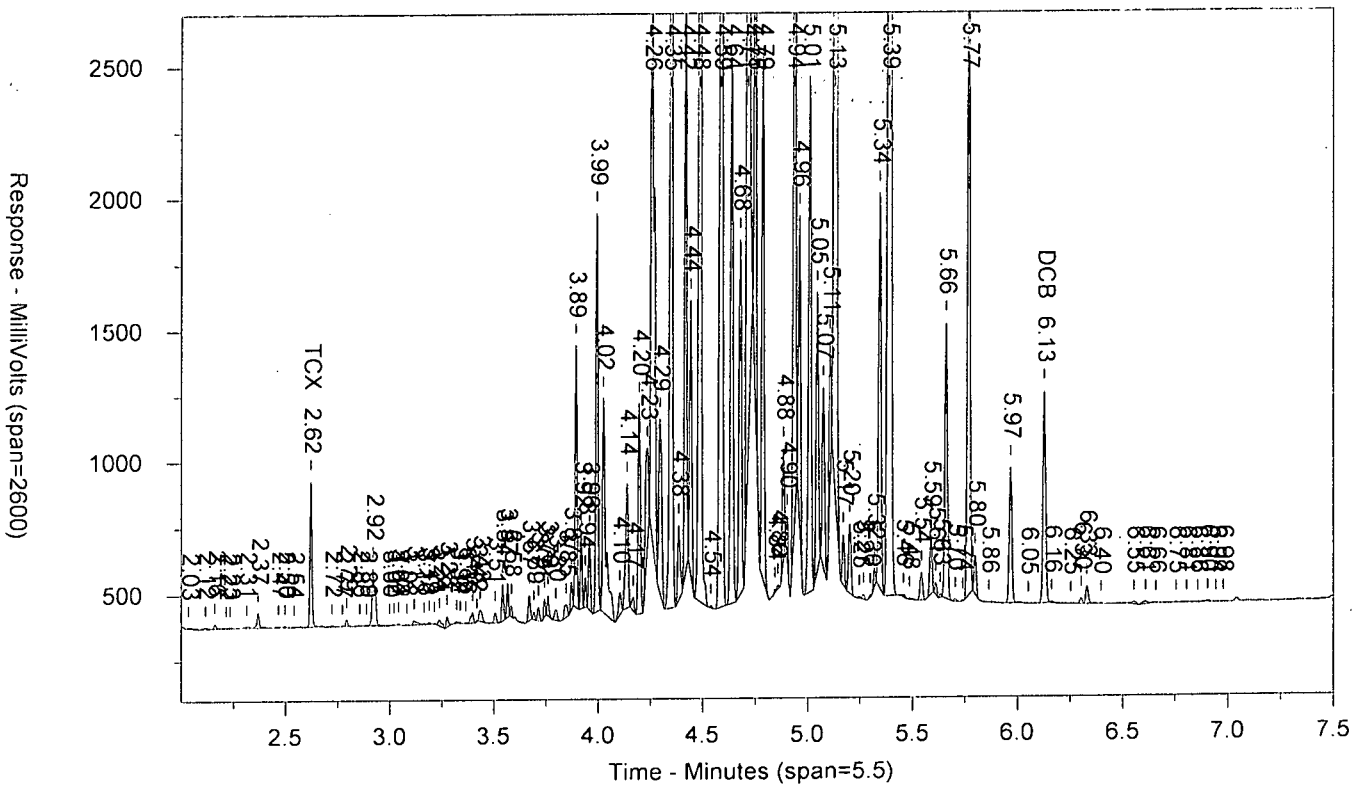


LANCASTER LABORATORIES

Sample Number: 8998319ACF DF10 ACA4604 T 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:54:38 AM Sample Weight: 10.34
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

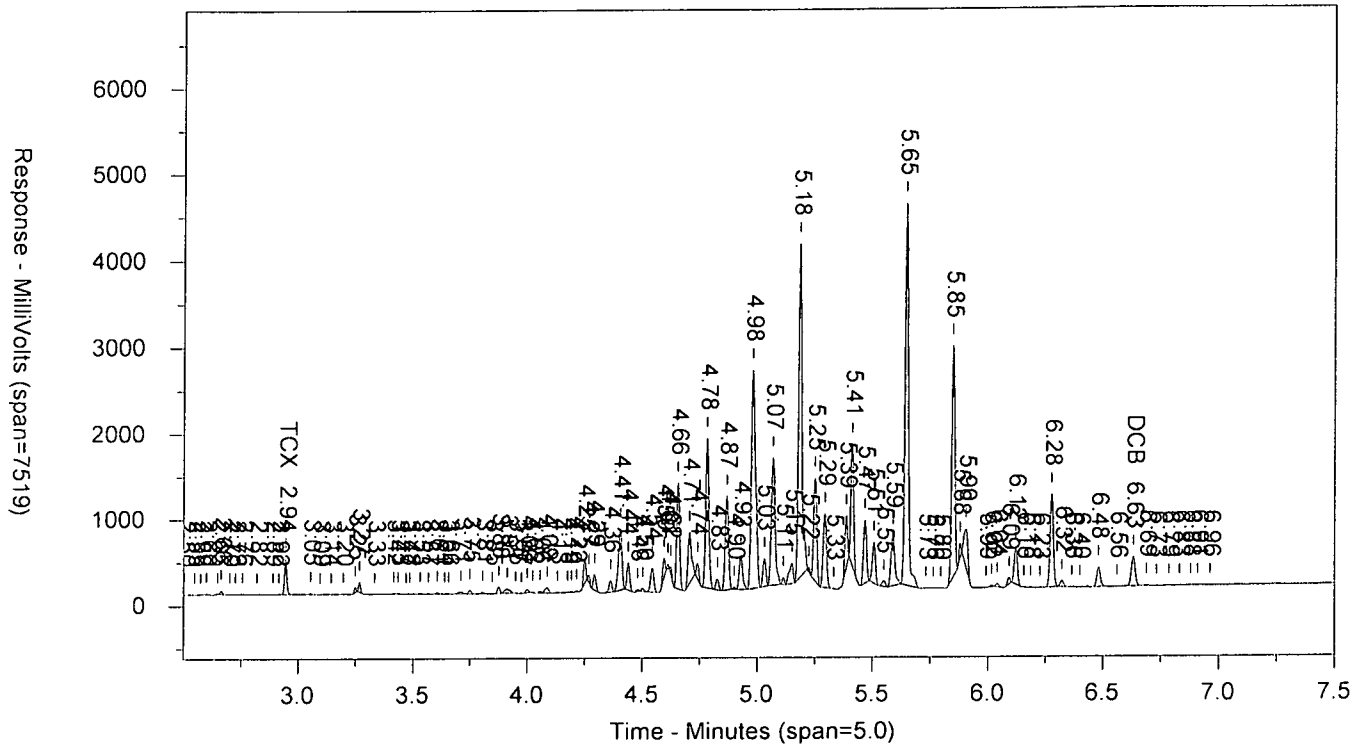
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	405403	28.05	TCX	2.621	547268	27.794	TCX
6.63	344439	33.417	DCB	6.125	804348	32.999	DCB

Files:
Area File: 25pcbs17116016.062.RAW
Area File: 25pcbs17116016B.062.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:01:20 AM
File Reported On: 5/22/2017 at 5:03:16 AM

8998319ACF DF10 ACA4604 T 171390002A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.062.RAW



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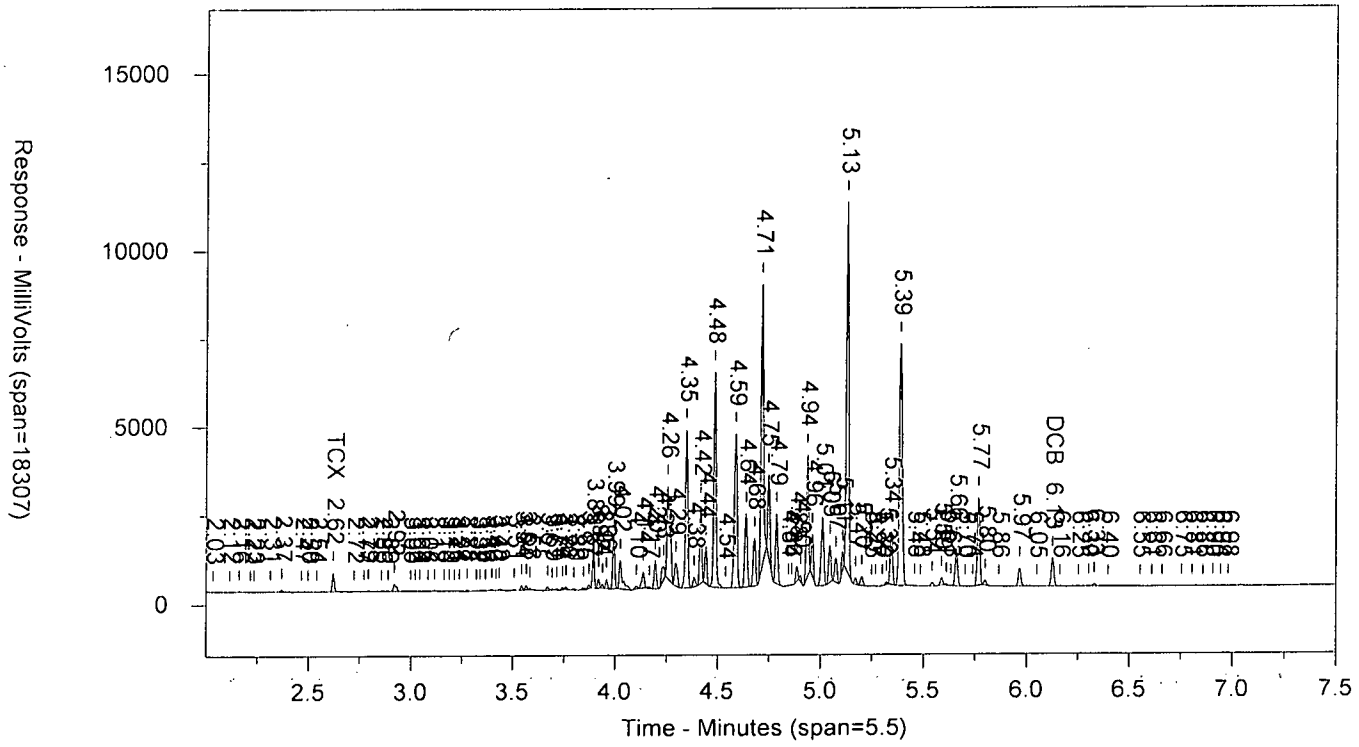

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Data Summary

Sample Name: 8998320 ACF A4605 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.42 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 05:28:32
Instrument	18274A
Result file	25PCBS17116016.065.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 111% (61 - 152) Conc: 31.25801
%SSR(DCB) 102% (48 - 164) Conc: 28.53451

Analysis Report (B)

Injected on	May 22, 2017 05:28:32
Instrument	18274B
Result file	25PCBS17116016B.065.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 121% (61 - 152) Conc: 33.92746
%SSR(DCB) 109% (48 - 164) Conc: 30.56295

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4552557	31.25801	Tetrachloro-m-xylene	2.59	2.62	2.65	6732079	33.92746
Decachlorobiphenyl	6.61	6.63	6.67	2963882	28.53451	Decachlorobiphenyl	6.10	6.13	6.16	7507222	30.56295

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	31.25801				8.19	
☑	Decachlorobiphenyl	B	30.56295				6.86	

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<48.9443	<9.501			4	
☑	PCB-1221			<48.9443	<14.6833			3	
☑	PCB-1232			<48.9443	<11.8042			4	
☑	PCB-1242			<48.9443	<11.8042			4	
☑	PCB-1248			<48.9443	<9.501			4	
☑	PCB-1254			<48.9443	<12.6679			4	
☑	PCB-1260			<48.9443	<11.2284			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998320** ACF A4605 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.42 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:28:32
Instrument : CP25--18274A
Result file : 25PCBS17116016.065.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 111% (61-152) Conc.: 31.25801
%SSR(DCB) : 102% (48-164) Conc.: 28.53451

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**77.24**	
3.18	3.18	3.22	533.7765	0.219959			1
3.51	3.54	3.55	1128.234	0.386659			3
3.73	3.74	3.77	3002.472	0.846898			4
3.79	3.80	3.83	4730.711	1.493882			5
3.98	3.99	4.02	886.7107	0.396776			6
Height Summation:			**10281.9042**				
Amount Avg CF:			**0.668835**	Linear:			
Aroclor-1221					**2**	**119.26**	
3.07	3.10	3.11	908.2719	0.768374			1
3.13	3.14	3.17	9808.033	9.038806			2
Height Summation:			**10716.3049**				
Amount Avg CF:			**4.90359**	Linear:			
Aroclor-1232					**4**	**67.45**	
3.52	3.54	3.56	1128.234	0.77915			3
3.74	3.74	3.78	3002.472	1.690772			4
3.79	3.80	3.83	4730.711	3.201858			5
3.99	3.99	4.03	886.7107	0.917959			6
Height Summation:			**9748.1277**				
Amount Avg CF:			**1.647435**	Linear:			
Aroclor-1242					**4**	**69.07**	
3.51	3.54	3.55	1128.234	0.463101			3
3.73	3.74	3.77	3002.472	1.01693			4
3.79	3.80	3.83	4730.711	1.868604			5
3.98	3.99	4.02	886.7107	0.476985			6
Height Summation:			**9748.1277**				
Amount Avg CF:			**0.956405**	Linear:			
Aroclor-1248					**6**	**104.87**	
3.79	3.80	3.83	4730.711	2.605144			1
3.86	3.88	3.90	922.0843	0.32337			2
3.98	3.99	4.02	886.7107	0.268901			3
4.07	4.09	4.11	859.9855	0.303068			4
4.25	4.25	4.29	2460.538	0.871339			5
4.64	4.66	4.68	7738.765	3.354734			6
Height Summation:			**17598.7945**				
Amount Avg CF:			**1.287759**	Linear:			
Aroclor-1254					**6**	**70.48**	
4.24	4.25	4.28	2460.538	0.81018			1
4.58	4.60	4.62	5002.693	1.387798			2
4.64	4.66	4.68	7738.765	1.110277			3
4.77	4.78	4.81	9329.37	4.142013			4
4.86	4.87	4.89	5443.012	1.061713			5
5.05	5.07	5.09	7868.316	2.06355			6
Height Summation:			**37842.694**				
Amount Avg CF:			**1.762588**	Linear:			
Aroclor-1260					**6**	**19.78**	
4.76	4.78	4.80	9329.37	1.850995			1
5.05	5.07	5.09	7868.316	2.694367			2
5.23	5.25	5.27	6935.011	2.023005			3
5.40	5.41	5.44	7670.806	2.053479			4
5.63	5.65	5.67	16676.08	1.646527			5
5.83	5.85	5.87	16338.03	2.641155			6
Height Summation:			**64817.613**				
Amount Avg CF:			**2.151588**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:28:32
Instrument : CP25--18274B
Result file : 25PCBS17116016B.065.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 121% (61-152) Conc.: 33.92746
%SSR(DCB) : 109% (48-164) Conc.: 30.56295

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**88.32**	
2.89	2.91	2.93	2108.534	0.617927			1
3.22	3.26	3.26	25754.51	5.668133			2
+ 3.41	3.42	3.45	2363.942	0.460247			3
3.41	3.44	3.45	4301.425	0.837465			3
3.65	3.69	3.69	8391.713	1.937767			5
3.74	3.76	3.78	9583.147	2.421916			6
Height Summation:			**50139.329**				
Amount Avg CF:			**2.296642**	Linear:			
Aroclor-1221					**2**	**123.40**	
2.84	2.86	2.88	7337.97	6.711388			2
2.89	2.91	2.93	2108.534	0.456697			3
Height Summation:			**9446.504**				
Amount Avg CF:			**3.584043**	Linear:			
Aroclor-1232					**6**	**103.05**	
2.89	2.91	2.93	2108.534	0.494111			1
3.22	3.26	3.26	25754.51	12.011575			2
+ 3.41	3.42	3.45	2363.942	1.02567			3
3.41	3.44	3.45	4301.425	1.866307			3
3.49	3.53	3.53	2053.981	0.86294			4
3.65	3.69	3.69	8391.713	4.577999			5
3.75	3.76	3.79	9583.147	5.237738			6
Height Summation:			**52193.31**				
Amount Avg CF:			**4.175112**	Linear:			
Aroclor-1242					**4**	**99.93**	
2.89	2.91	2.93	2108.534	0.737815			1
3.22	3.26	3.26	25754.51	7.097684			2
+ 3.41	3.42	3.45	2363.942	0.573038			3
3.41	3.44	3.45	4301.425	1.0427			3
3.74	3.76	3.78	9583.147	2.84788			6
Height Summation:			**41747.616**				
Amount Avg CF:			**2.93152**	Linear:			
Aroclor-1248					**6**	**60.04**	
+ 3.41	3.42	3.45	2363.942	1.150769			1
3.41	3.44	3.45	4301.425	2.093937			1
3.52	3.53	3.56	2053.981	0.391387			2
3.65	3.69	3.69	8391.713	1.337018			3
3.74	3.76	3.78	9583.147	1.999129			4
3.88	3.89	3.92	7911.546	0.820702			5
4.24	4.26	4.28	14071.71	3.081659			6
Height Summation:			**46313.522**				
Amount Avg CF:			**1.620639**	Linear:			
Aroclor-1254					**5**	**78.40**	
4.24	4.26	4.28	14071.71	0.957731			2
4.33	4.35	4.37	22120.38	3.279108			3
4.40	4.42	4.44	10414.09	1.06006			4
+ 4.40	4.44	4.44	3276.932	0.333562			4
4.47	4.49	4.51	29327.08	5.383764			5
4.62	4.64	4.66	10355.05	1.444972			6
Height Summation:			**86288.31**				
Amount Avg CF:			**2.425127**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998320** ACF A4605 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.42 g Total Volume: 10 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:28:32
Instrument : CP25--18274A
Result file : 25PCBS17116016.065.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**26.80**	
5.23	5.25	5.27	6935.011	1.133617			1
5.40	5.41	5.44	7670.806	1.456224			2
5.63	5.65	5.67	16676.08	1.227981			3
5.83	5.85	5.87	16338.03	1.961195			4
5.89	5.91	5.93	3613.508	0.946282			5
6.26	6.28	6.30	5918.713	1.200649			6
Height Summation:			**57152.148**				
Amount Avg CF:			**1.320991**	Linear:			
Aroclor-1268					**6**	**157.09**	
5.83	5.85	5.87	16338.03	1.110676			1
5.89	5.91	5.93	3613.508	0.269966			2
6.03	6.04	6.07	39329.92	3.163809			3
6.09	6.11	6.13	47338.29	14.638629			4
6.26	6.28	6.30	5918.713	1.123292			5
6.47	6.48	6.51	35883.35	0.829343			6
Height Summation:			**148421.811**				
Amount Avg CF:			**3.522619**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:28:32
Instrument : CP25--18274B
Result file : 25PCBS17116016B.065.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**8.94**	
4.33	4.35	4.37	22120.38	2.021605			1
4.47	4.49	4.51	29327.08	2.339821			2
4.57	4.59	4.61	21844.5	2.030251			3
4.92	4.94	4.96	19546.41	2.267362			4
5.11	5.13	5.15	50160.44	2.359437			5
5.37	5.39	5.41	32384.22	2.539563			6
Height Summation:			**175383.03**				
Amount Avg CF:			**2.259673**	Linear:			
Aroclor-1262					**6**	**22.55**	
4.73	4.75	4.77	14438.29	1.047874			1
4.92	4.94	4.96	19546.41	1.434417			2
5.11	5.13	5.15	50160.44	1.75905			3
5.33	5.34	5.36	11217.3	1.046185			4
5.37	5.39	5.41	32384.22	1.739905			5
5.75	5.77	5.79	14524.96	1.358791			6
Height Summation:			**142271.62**				
Amount Avg CF:			**1.397704**	Linear:			
Aroclor-1268					**6**	**154.50**	
5.33	5.34	5.37	11217.3	0.33116			1
5.37	5.39	5.41	32384.22	0.983064			2
5.53	5.54	5.57	87538.62	3.054383			3
5.59	5.61	5.63	96424.39	13.663071			4
5.75	5.77	5.79	14524.96	1.216771			5
5.95	5.97	5.99	75639.91	0.743218			6
Height Summation:			**317729.4**				
Amount Avg CF:			**3.331945**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			48.9443	9.501		** 109.78	4	40	
Aroclor-1221			48.9443	14.6833		31.09	3	5	
Aroclor-1232			48.9443	11.8042		** 86.82	4	10	
Aroclor-1242			48.9443	11.8042		** 101.60	4	30	
Aroclor-1248			48.9443	9.501		22.89	4	40	
Aroclor-1254			48.9443	12.6679		31.64	4	40	
Aroclor-1260			48.9443	11.2284		4.90	4	40	
Aroclor-1262			48.9443	9.501		5.64	4	40	
Aroclor-1268			48.9443	9.501		5.56	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998320ACF ABA4605 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:28:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.065.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.006		3135	2949
2.047		6793	6682
2.094		11795	13405
2.12		1673	744
2.145		255376	184883
2.211		6588	5458
2.239		17211	13890
2.299		1235	921
2.34		12963	13368
2.377		2836	2380
2.405		156469	103878
2.438		1004	499
2.454		899	368
2.475		656	363
2.502		6521	6833
2.546		458	221
2.564		443	161
2.582		1042	677
2.604		1339	1169
2.661		657	307
2.675		1264	630
2.697		4374	3067
2.716		3753	2003
2.75		18127	15129
2.794		1458	1519
2.829		1238	1053
2.887		6439	4506
2.914		1178	831
2.944	TCX	4552557	3117614
3.007		1497	1456
3.06		1255	1091
3.099		908	836
3.142		9808	9124
3.177		534	271
3.226		2276	2128
3.248		1176	793
3.275		5418	4265
3.307		1157	872
3.335		350	159
3.39		1048	1246
3.464		1649	1263
3.489		1698	1004
3.507		2115	1285
3.539		1128	780
3.558		622	424
3.613		13986	9804
3.656		717	401
3.678		13479	14704
3.738		3002	1997
3.8		4731	4274
3.838		1465	1244
3.875		922	1014
3.913		2130	3058
3.965		748	468

RT A	Compound A	Height A	Area A
3.992		887	1043
4.06		1748	1607
4.091		860	615
4.116		393	182
4.136		1459	1658
4.194		13629	13706
4.254		2461	2323
4.3		5472	6878
4.362		1880	2661
4.408		3141	3134
4.442		3106	3783
4.517		847	693
4.544		1999	1916
4.597		5003	7413
4.657		7739	7957
4.705		2866	3002
4.743		2068	1776
4.783		9329	8323
4.827		1022	891
4.868		5443	5757
4.905		9327	7754
4.927		1710	1352
4.981		14381	17552
5.027		2503	2577
5.069		7868	10246
5.144		17593	17387
5.184		18803	19182
5.225		936	441
5.252		6935	6143
5.294		4890	5231
5.361		2951	2511
5.39		3200	2117
5.413		7671	6700
5.438		533	322
5.474		77584	91108
5.547		13860	14105
5.59		3374	3603
5.647		16676	13785
5.671		25645	20714
5.749		1400	1322
5.793		590	552
5.85		16338	15703
5.881		902	370
5.906		3614	4232
5.947		638	245
6.043		39330	42539
6.106		47338	57586
6.158		639	1797
6.241		357	1285
6.277		5919	5300
6.315		1475	1694
6.362		729	899
6.39		332	211
6.41		598	446
6.481		35883	38966
6.535		501	328
6.565		1163	1194
6.631	DCB	2963883	3221901
6.71		877	840
6.74		1305	718
6.768		2272	3556
6.827		2125	2648
6.913		4977	12670

LANCASTER LABORATORIES

Sample Number: 8998320ACF ABA4605 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:28:32 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.065.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		9827	7056
2.101		2613	1155
2.118		172785	106702
2.216		2143	1897
2.236		4641	4043
2.28		1990	1898
2.329		2949	2396
2.359		2267	2385
2.396		5540	4209
2.44		21892	14369
2.483		2489	3804
2.505		6667	4643
2.577		2587	1383
2.596		6542	3017
2.621	TCX	6732079	4076182
2.703		2273	3364
2.742		6697	3791
2.767		4862	31919
2.861		7338	12949
2.906		2109	1189
2.93		2210	1368
2.956		8702	7250
3.034		3572	3266
3.078		1602	1242
3.119		4906	4843
3.156		5101	4842
3.198		5037	7369
3.255		25755	17559
3.287		3698	3487
3.332		25876	19043
3.366		5829	5800
3.418		2364	1961
3.444		4301	3511
3.527		2054	1247
3.573		1812	1678
3.607		8877	6528
3.691		8392	13128
3.755		9583	33279
3.828		1707	1111
3.845		3962	2640
3.894		7912	12851
3.961		33722	27625
3.993		8869	6185
4.026		4966	3739
4.057		2175	1983
4.094		6831	5464
4.14		3655	3947
4.17		4226	2685
4.231		4939	7655
4.256		14072	14447
4.298		4336	5068
4.348		22120	19092
4.386		2782	2491
4.418		10414	6905

RT B	Compound B	Height B	Area B
4.442		3277	1717
4.46		18625	12390
4.485		29327	21108
4.587		21845	25438
4.638		10355	8500
4.685		16149	17739
4.716		37021	32021
4.748		14438	11169
4.787		13095	12448
4.862		203500	205768
4.936		19546	14563
4.961		6364	4659
5.01		12926	12781
5.045		6557	5346
5.081		29519	24859
5.11		2344	1949
5.13		50160	41988
5.202		67707	64036
5.321		1388	828
5.344		11217	9746
5.387		32384	34918
5.45		1719	1457
5.493		2641	2490
5.544		87539	78447
5.612		96424	87393
5.66		28418	23714
5.689		2542	4218
5.767		14525	13986
5.896		1902	2149
5.967		75640	66010
5.999		2424	2931
6.066		1908	2757
6.126	DCB	7507222	6583867
6.275		1794	1306
6.334		1336	975
6.451		2964	5060
6.61		2136	3859
6.655		1910	2857
6.82		1697	2932
6.906		4845	6568

8998320ACF ABA4605 T 171390030A 10225 SW-846 8082

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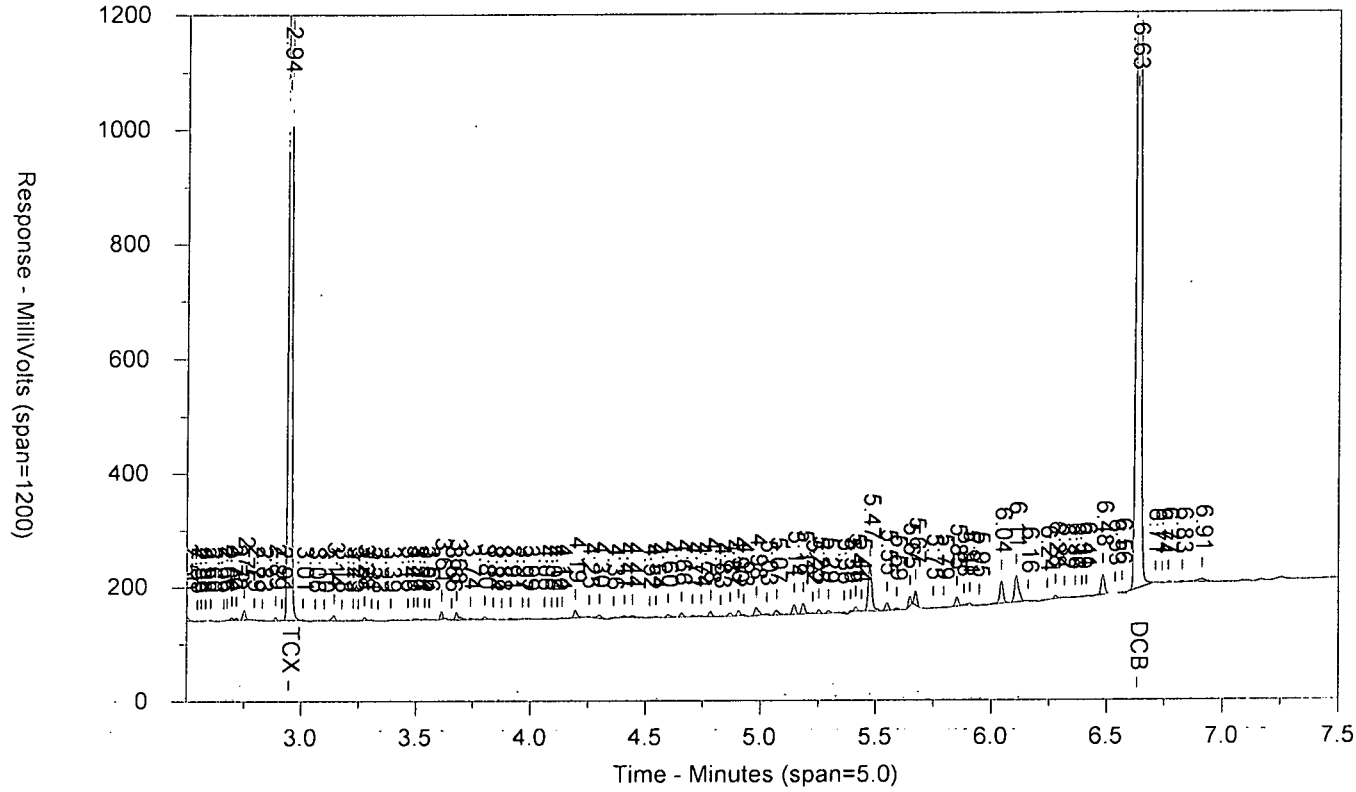

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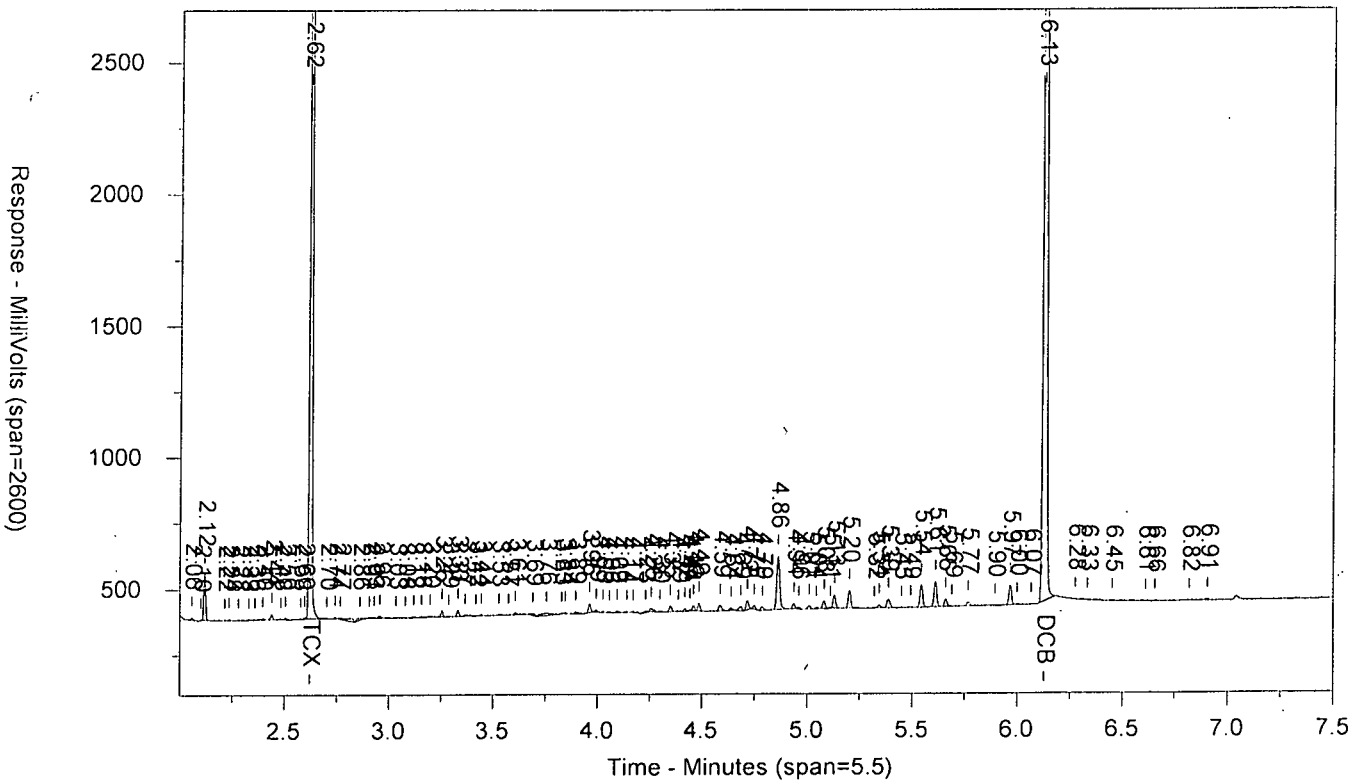


LANCASTER LABORATORIES

Sample Number: 8998320ACF ABA4605 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:28:32 AM Sample Weight: 10.42
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

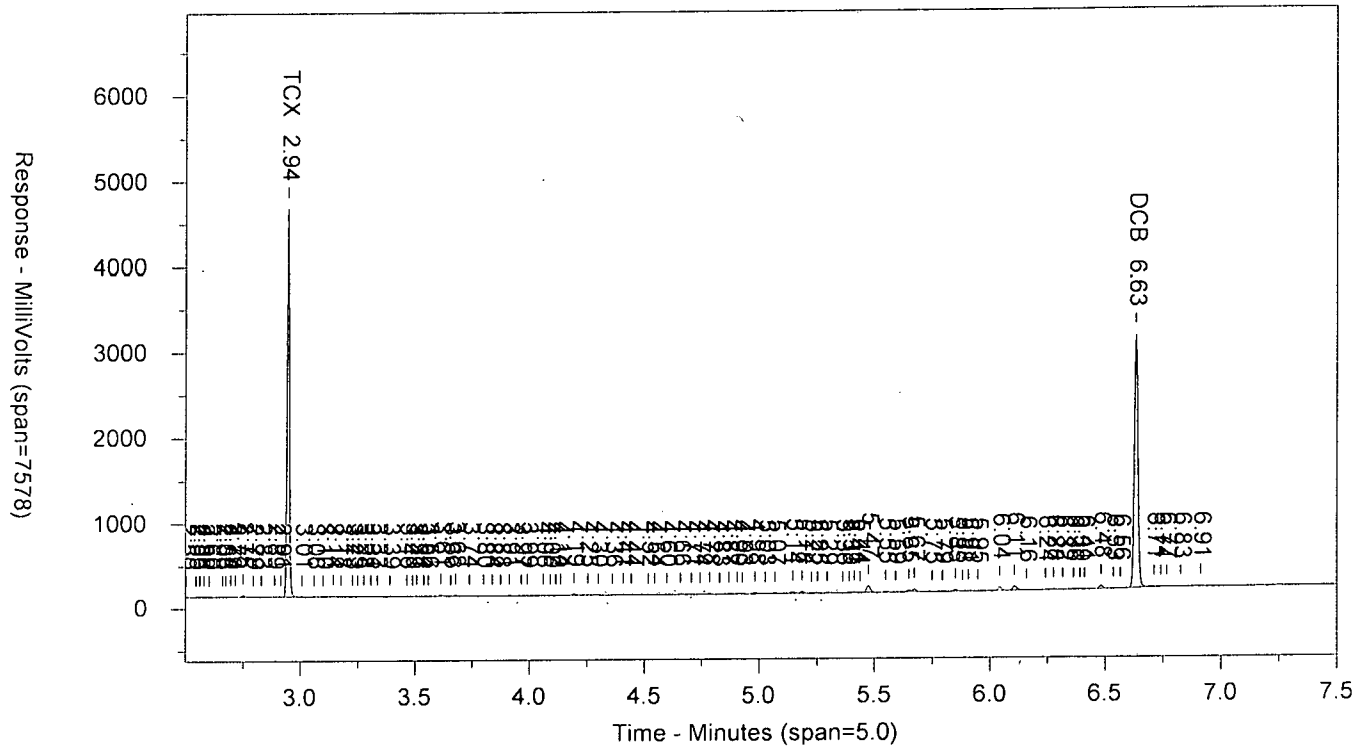
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	4552557	31.258	TCX	2.621	6732079	33.927	TCX
6.631	2963883	28.535	DCB	6.126	7507222	30.563	DCB

Files:
Area File: 25pcbs17116016.065.RAW
Area File: 25pcbs17116016B.065.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:35:16 AM
File Reported On: 5/22/2017 at 5:37:11 AM

8998320ACF ABA4605 T 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.065.RAW



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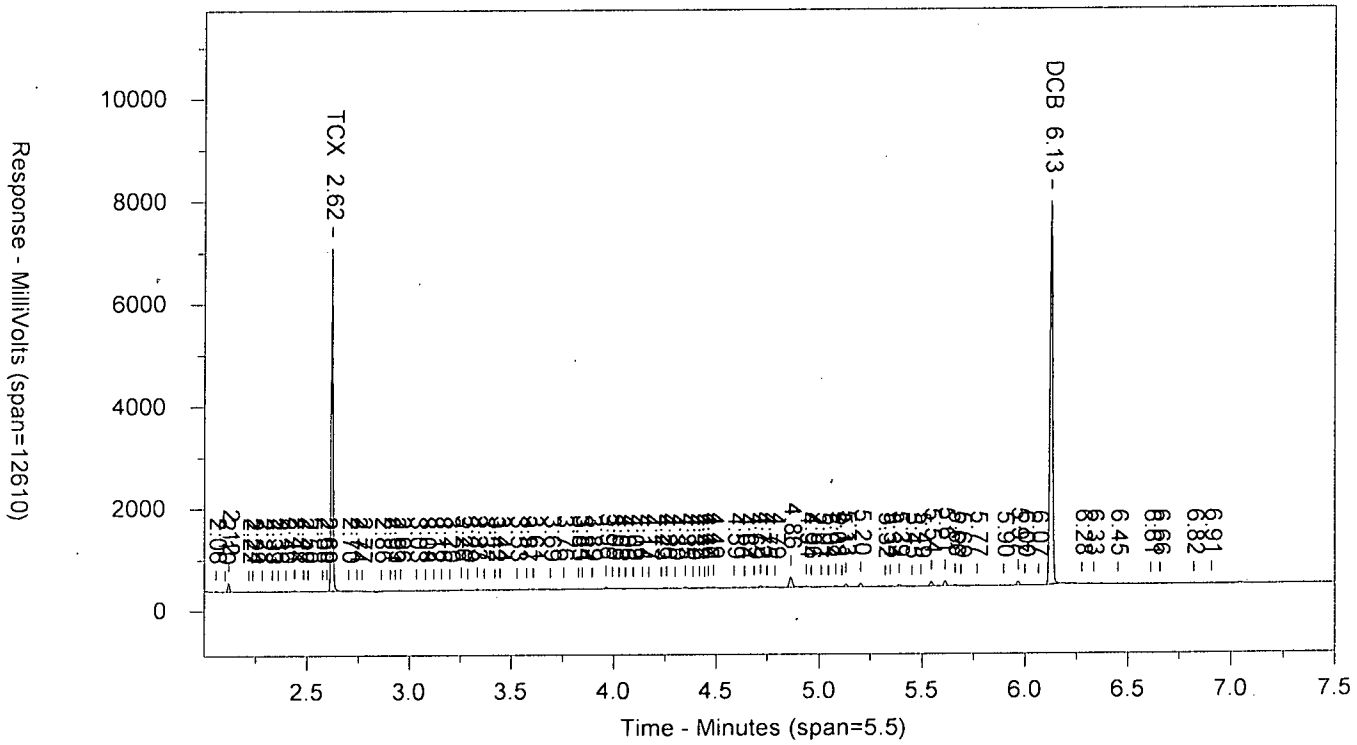

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Data Summary

Sample Name: 8998321 ACF DF10 A4606 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 05:39:52
Instrument	18274A
Result file	25PCBS17116016.066.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 97% (61 - 152) Conc: 27.40316
%SSR(DCB) 115% (48 - 164) Conc: 32.54684

Analysis Report (B)

Injected on	May 22, 2017 05:39:52
Instrument	18274B
Result file	25PCBS17116016B.066.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 27.72861
%SSR(DCB) 111% (48 - 164) Conc: 31.51616

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	396431	27.40316
Decachlorobiphenyl	6.61	6.63	6.67	335793	32.54684

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	546511	27.72861
Decachlorobiphenyl	6.10	6.13	6.16	768936	31.51616

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.40316				1.18	
☑ Decachlorobiphenyl	A	32.54684				3.22	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.84**	
4.76	4.78	4.80	1585240	3166.468795			1
5.05	5.07	5.09	966138.4	3330.747064			2
5.23	5.25	5.27	1082746	3179.828802			3
5.40	5.41	5.44	1256067	3385.240222			4
5.63	5.65	5.67	4031480	4007.436529			5
5.83	5.85	5.87	2318445	3773.274596			6

Height summation: **11240116.4**
Concentration CF: **3473.832668** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.81**	
4.33	4.35	4.37	3660864	3368.32983			1
4.47	4.48	4.51	5199398	4176.32495			2
4.57	4.59	4.61	3568782	3339.296853			3
4.92	4.94	4.96	3025668	3533.479316			4
5.11	5.13	5.15	9185352	4349.80962			5
5.37	5.39	5.41	5977868	4719.535596			6

Height summation: **30617932**
Concentration CF: **3914.462694** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<492.7536	<95.6522			4	
☑ PCB-1221			<492.7536	<147.8261			3	
☑ PCB-1232			<492.7536	<118.8406			4	
☑ PCB-1242			<492.7536	<118.8406			4	
☑ PCB-1248			<492.7536	<95.6522			4	
☑ PCB-1254			<492.7536	<127.5362			4	
☑ PCB-1260	B	3914.462694	492.7536	113.0435		11.93	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998321** ACF DF10 A4606 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:39:52
Instrument : CP25--18274A
Result file : 25PCBS17116016.066.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 97% (61-152) Conc.: 27.40316 Pass
%SSR(DCB) : 115% (48-164) Conc.: 32.54684

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**61.19**	
3.18	3.20	3.22	2170.936	9.006499			1
3.40	3.42	3.44	6242.838	27.287374			2
+ 3.51	3.51	3.55	1009.311	3.482417			3
3.51	3.53	3.55	5637.792	19.452026			3
3.73	3.75	3.77	15772.92	44.791081			4
3.79	3.80	3.83	13974.2	44.426705			5
3.98	4.00	4.02	15637.93	70.448236			6
Height Summation:			**59436.616**				
Amount Avg CF:			**35.901987**	Linear:			
Aroclor-1221					**3**	**82.37**	
3.07	3.09	3.11	1434.174	12.214796			1
3.13	3.14	3.17	3670.455	34.05465			2
3.18	3.20	3.22	2170.936	6.581165			3
Height Summation:			**7275.565**				
Amount Avg CF:			**17.61687**	Linear:			
Aroclor-1232					**6**	**71.68**	
3.18	3.20	3.22	2170.936	7.365178			1
3.40	3.42	3.44	6242.838	57.105584			2
3.52	3.53	3.56	5637.792	39.197491			3
3.74	3.75	3.78	15772.92	89.422231			4
3.79	3.80	3.83	13974.2	95.220382			5
3.99	4.00	4.03	15637.93	162.985125			6
+ 3.99	4.02	4.03	5020.622	52.327047			6
Height Summation:			**59436.616**				
Amount Avg CF:			**75.215998**	Linear:			
Aroclor-1242					**6**	**61.29**	
3.18	3.20	3.22	2170.936	10.612993			1
3.40	3.42	3.44	6242.838	32.899675			2
3.51	3.53	3.55	5637.792	23.297685			3
3.73	3.75	3.77	15772.92	53.783819			4
3.79	3.80	3.83	13974.2	55.570624			5
3.98	4.00	4.02	15637.93	84.689541			6
Height Summation:			**59436.616**				
Amount Avg CF:			**43.475723**	Linear:			
Aroclor-1248					**5**	**189.12**	
3.79	3.80	3.83	13974.2	77.474657			1
3.86	3.88	3.90	33442.37	118.073796			2
3.98	4.00	4.02	15637.93	47.743732			3
4.07	4.08	4.11	26247.39	93.124214			4
4.64	4.66	4.68	546667.4	2385.816316			6
Height Summation:			**635969.29**				
Amount Avg CF:			**544.446543**	Linear:			
Aroclor-1254					**6**	**122.61**	
4.24	4.25	4.28	307604.4	1019.697598			1
+ 4.58	4.60	4.62	59762.12	166.907424			2
4.58	4.61	4.62	150479.3	420.268095			2
4.64	4.66	4.68	546667.4	789.605929			3
4.77	4.78	4.81	1585240	7085.679391			4
4.86	4.87	4.89	340832.6	669.324022			5
5.05	5.07	5.09	966138.4	2550.93794			6
Height Summation:			**3896962.1**				
Amount Avg CF:			**2089.252162**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:39:52
Instrument : CP25--18274B
Result file : 25PCBS17116016B.066.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 98% (61-152) Conc.: 27.72861
%SSR(DCB) : 111% (48-164) Conc.: 31.51616

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**170.54**	
2.89	2.92	2.93	295091.7	870.644579			1
3.22	3.24	3.26	10461.1	23.178829			2
+ 3.41	3.42	3.45	4361.244	8.548539			3
3.41	3.44	3.45	16617.55	32.572304			3
3.49	3.51	3.53	25028.66	47.156103			4
3.65	3.67	3.69	39868.86	92.685587			5
3.74	3.74	3.78	40809.9	103.835009			6
+ 3.74	3.76	3.78	29846.63	75.940522			6
Height Summation:			**427877.77**				
Amount Avg CF:			**195.012068**	Linear:			
Aroclor-1221					**3**	**151.15**	
2.77	2.79	2.81	3958.499	22.508773			1
2.84	2.86	2.88	4047.886	37.272802			2
2.89	2.92	2.93	295091.7	643.475835			3
Height Summation:			**303098.085**				
Amount Avg CF:			**234.419137**	Linear:			
Aroclor-1232					**6**	**111.28**	
2.89	2.92	2.93	295091.7	696.190953			1
3.22	3.24	3.26	10461.1	49.119212			2
+ 3.41	3.42	3.45	4361.244	19.050597			3
3.41	3.44	3.45	16617.55	72.588063			3
3.49	3.51	3.53	25028.66	105.864268			4
3.65	3.67	3.69	39868.86	218.970836			5
+ 3.65	3.69	3.69	15342.21	84.263672			5
3.75	3.76	3.79	29846.63	164.232198			6
Height Summation:			**416914.5**				
Amount Avg CF:			**217.827588**	Linear:			
Aroclor-1242					**6**	**169.25**	
2.89	2.92	2.93	295091.7	1039.564109			1
3.22	3.24	3.26	10461.1	29.024724			2
+ 3.41	3.42	3.45	4361.244	10.643505			3
3.41	3.44	3.45	16617.55	40.554708			3
3.49	3.51	3.53	25028.66	59.867439			4
3.65	3.67	3.69	39868.86	114.062185			5
3.74	3.74	3.78	40809.9	122.0974			6
+ 3.74	3.76	3.78	29846.63	89.29686			6
Height Summation:			**427877.77**				
Amount Avg CF:			**234.195094**	Linear:			
Aroclor-1248					**6**	**150.98**	
+ 3.41	3.42	3.45	4361.244	21.374163			1
3.41	3.44	3.45	16617.55	81.441491			1
3.52	3.54	3.56	65292.21	125.255931			2
3.65	3.67	3.69	39868.86	63.95106			3
+ 3.65	3.69	3.69	15342.21	24.609447			3
3.74	3.76	3.78	29846.63	62.683817			4
3.88	3.89	3.92	675919.5	705.905526			5
+ 4.24	4.26	4.28	471151.1	1038.784206			6
4.24	4.27	4.28	878563.1	1937.037761			6
Height Summation:			**1706107.85**				
Amount Avg CF:			**496.045931**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998321** ACF DF10 A4606 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:39:52
Instrument : CP25--18274A
Result file : 25PCBS17116016.066.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	9.84	
4.76	4.78	4.80	1585240	3166.468795			1
5.05	5.07	5.09	966138.4	3330.747064			2
5.23	5.25	5.27	1082746	3179.828802			3
5.40	5.41	5.44	1256067	3385.240222			4
5.63	5.65	5.67	4031480	4007.436529			5
5.83	5.85	5.87	2318445	3773.274596			6
Height Summation:			**11240116.4**				
Amount Avg CF:			**3473.832668**	Linear:			
Aroclor-1262					6	35.66	
5.23	5.25	5.27	1082746	1781.857539			1
E 5.40	5.41	5.44	1256067	2400.64165			2
E 5.63	5.65	5.67	4031480	2988.750227			3
E 5.83	5.85	5.87	2318445	2801.852599			4
5.89	5.90	5.93	367894.1	969.932569			5
6.26	6.28	6.30	868073.3	1772.852523			6
Height Summation:			**9924705.4**				
Amount Avg CF:			**2119.314518**	Linear:			
Aroclor-1268					6	97.58	
5.83	5.85	5.87	2318445	1586.761803			1
5.89	5.90	5.93	367894.1	276.713083			2
6.03	6.04	6.07	25330.45	20.514333			3
+ 6.09	6.09	6.13	61721.94	192.156367			4
6.09	6.12	6.13	359809.4	1120.179746			4
6.26	6.28	6.30	868073.3	1658.628635			5
6.47	6.48	6.51	158040.3	36.773624			6
Height Summation:			**4097592.55**				
Amount Avg CF:			**783.261871**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:39:52
Instrument : CP25--18274B
Result file : 25PCBS17116016B.066.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	127.46	
4.18	4.19	4.22	312932.4	393.669585			1
+ 4.24	4.26	4.28	471151.1	322.837841			2
4.24	4.27	4.28	878563.1	602.00096			2
4.33	4.35	4.37	3660864	5463.539131			3
+ 4.40	4.42	4.44	484737.2	496.755622			4
4.40	4.44	4.44	796854.1	816.61105			4
E 4.47	4.48	4.51	5199398	9609.42932			5
4.62	4.64	4.66	646307.1	907.974213			6
Height Summation:			**11494918.7**				
Amount Avg CF:			**2965.537376**	Linear:			
Aroclor-1260					6	14.81	
4.33	4.35	4.37	3660864	3368.32983			1
4.47	4.48	4.51	5199398	4176.32495			2
4.57	4.59	4.61	3568782	3339.296853			3
4.92	4.94	4.96	3025668	3533.479316			4
5.11	5.13	5.15	9185352	4349.80962			5
5.37	5.39	5.41	5977868	4719.535596			6
Height Summation:			**30617932**				
Amount Avg CF:			**3914.462694**	Linear:			
Aroclor-1262					6	39.13	
4.73	4.75	4.77	2187246	1598.152392			1
E 4.92	4.94	4.96	3025668	2235.409131			2
E 5.11	5.13	5.15	9185352	3242.948748			3
5.33	5.34	5.36	1179282	1107.300021			4
E 5.37	5.39	5.41	5977868	3233.446404			5
5.75	5.77	5.79	2042941	1924.069775			6
Height Summation:			**23598357**				
Amount Avg CF:			**2223.554412**	Linear:			
Aroclor-1268					6	129.81	
5.33	5.34	5.37	1179282	350.505453			1
5.37	5.39	5.41	5977868	1826.930438			2
5.53	5.54	5.57	65759.55	23.099898			3
5.59	5.61	5.63	32581.12	46.478788			4
+ 5.59	5.63	5.63	5305.373	7.568411			4
5.75	5.77	5.79	2042941	1722.967909			5
5.95	5.97	5.99	372839	36.881946			6
Height Summation:			**9671270.67**				
Amount Avg CF:			**667.810739**	LInear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			492.7536	95.6522		** 137.81	4	40	
Aroclor-1221			492.7536	147.8261		** 172.04	3	5	
Aroclor-1232			492.7536	118.8406		** 97.33	4	10	
Aroclor-1242			492.7536	118.8406		** 137.37	4	30	
Aroclor-1248			492.7536	95.6522		9.30	4	40	
Aroclor-1254			492.7536	127.5362		34.67	4	40	
Aroclor-1260			492.7536	113.0435		11.93	4	40	
Aroclor-1262			492.7536	95.6522	E	4.80	4	40	
Aroclor-1268			492.7536	95.6522		15.91	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998321ACF DF10 ACA4606 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:39:52 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.066.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.023		2095	2052
2.052		4385	5616
2.09		5757	8267
2.144		4995	5691
2.212		10181	7196
2.238		1446	1355
2.299		1303	1145
2.339		8261	6279
2.376		2352	1971
2.404		2119	1950
2.504		3104	4171
2.548		832	724
2.601		5332	3931
2.648		3768	2210
2.664		9030	5147
2.699		1144	922
2.742		470	361
2.759		1235	955
2.791		1547	1184
2.819		1170	789
2.884		1894	1379
2.916		1070	830
2.944	TCX	396431	283646
3.035		337	87
3.055		2717	2591
3.093		1434	1392
3.142		3670	3357
3.196		2171	1496
3.225		1576	930
3.249		20025	10796
3.267		186674	123367
3.306		1602	1248
3.336		1074	836
3.387		1772	1553
3.423		6243	7635
3.465		1866	1230
3.487		2363	1692
3.511		1009	463
3.53		5638	5365
3.607		7966	6365
3.639		870	503
3.71		15809	20552
3.749		15773	14322
3.804		13974	11063
3.844		2114	2355
3.876		33442	26006
3.913		33766	40876
4		15638	11077
4.024		5021	3205
4.056		10695	7709
4.083		26247	32958
4.131		6693	6231
4.192		9486	8031
4.215		10025	6102

RT A	Compound A	Height A	Area A
4.251		307604	310248
4.294		55701	48105
4.364		84555	71409
4.407		468440	461491
4.441		102937	85478
4.481		7745	5151
4.503		12753	9439
4.543		129836	129046
4.595		59762	41343
4.612		150479	140566
4.657		546667	500379
4.707		598972	667710
4.742		134784	95592
4.782		1585240	1532743
4.827		37658	33582
4.868		340833	359849
4.9		14812	9253
4.928		321270	316125
4.981		2295361	2850512
5.031		317014	295413
5.07		966138	1092089
5.113		25255	13921
5.15		199987	228479
5.184		2922254	3093010
5.225		23515	10853
5.251		1082746	1011466
5.294		785128	798119
5.386		358691	281862
5.411		1256067	1068174
5.468		681151	641954
5.506		450144	431300
5.548		59297	62371
5.589		396095	455105
5.646		4031480	4064041
5.731		2317	2708
5.764		1512	819
5.797		2352	2426
5.849		2318445	2157597
5.879		178309	111672
5.904		367894	420286
6.017		8462	7065
6.041		25330	22228
6.092		61722	50736
6.121		359809	345197
6.185		1389	1145
6.224		658	389
6.276		868073	878277
6.321		57840	55546
6.401		1270	1886
6.48		158040	172324
6.561		2519	3093
6.631	DCB	335793	366544
6.688		9576	9324
6.724		892	357
6.784		2232	3428
6.823		4032	6279
6.868		529	271
6.91		4668	9211

LANCASTER LABORATORIES

Sample Number: 8998321ACF DF10 ACA4606 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:39:52 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.066.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.118		2649	2850
2.162		6923	5808
2.212		1352	913
2.236		2777	2966
2.324		4509	4278
2.369		16201	16226
2.425		1070	1136
2.481		3615	6914
2.547		1439	1651
2.578		2177	1720
2.62	TCX	546511	341618
2.671		2761	1964
2.764		3413	3330
2.791		3958	2213
2.856		4048	3203
2.918		295092	226108
3.042		8576	6558
3.116		10699	13192
3.188		2889	1380
3.238		10461	8641
3.276		15746	13289
3.323		2539	1455
3.367		4088	2766
3.397		26899	22478
3.418		4361	1784
3.438		16618	19379
3.507		25029	16900
3.541		65292	39577
3.566		82424	61310
3.6		10169	6225
3.669		39869	27066
3.692		15342	8150
3.713		23990	15226
3.743		40810	22159
3.759		29847	16802
3.798		19122	16198
3.846		33038	36502
3.873		18023	11752
3.893		675920	449666
3.918		71985	41414
3.938		41387	22327
3.958		172871	117095
3.993		928473	662650
4.025		233362	223677
4.063		12359	7678
4.104		25221	21912
4.137		172146	180415
4.158		8664	11710
4.195		312932	232983
4.237		334137	240199
4.255		471151	252033
4.269		878563	454751
4.295		573999	552441
4.347		3660864	2842398

RT B	Compound B	Height B	Area B
4.386		84345	84755
4.417		484737	330965
4.441		796854	598353
4.484		5199398	3974957
4.538		4042	2389
4.587		3568782	3393629
4.638		646307	561633
4.677		999494	852234
4.715		5853760	5031206
4.747		2187247	1463203
4.786		1800163	1398237
4.844		3630	1917
4.86		12221	7702
4.885		475487	515059
4.935		3025668	2306199
4.959		557762	373672
5.009		1709495	1462569
5.045		922007	763395
5.075		577745	462271
5.107		205594	118680
5.129		9185352	7434440
5.17		169265	125224
5.201		195333	162086
5.242		4772	3553
5.266		5173	3444
5.32		54382	34518
5.343		1179282	969306
5.386		5977868	6153145
5.543		65760	54855
5.587		176161	140100
5.61		32581	21107
5.632		5305	2741
5.66		868984	733154
5.767		2042941	1679121
5.798		116697	86540
5.966		372839	336486
6.126	DCB	768936	694695
6.187		3090	3826
6.256		1368	1229
6.302		22835	18751
6.329		4387	3678
6.446		3022	7864
6.501		967	2374
6.61		3994	6344
6.69		3120	12421
6.727		1161	1336
6.906		6611	14081
6.977		1500	1663

8998321ACF DF10 ACA4606 T 171390030A 10225 SW-846 8082

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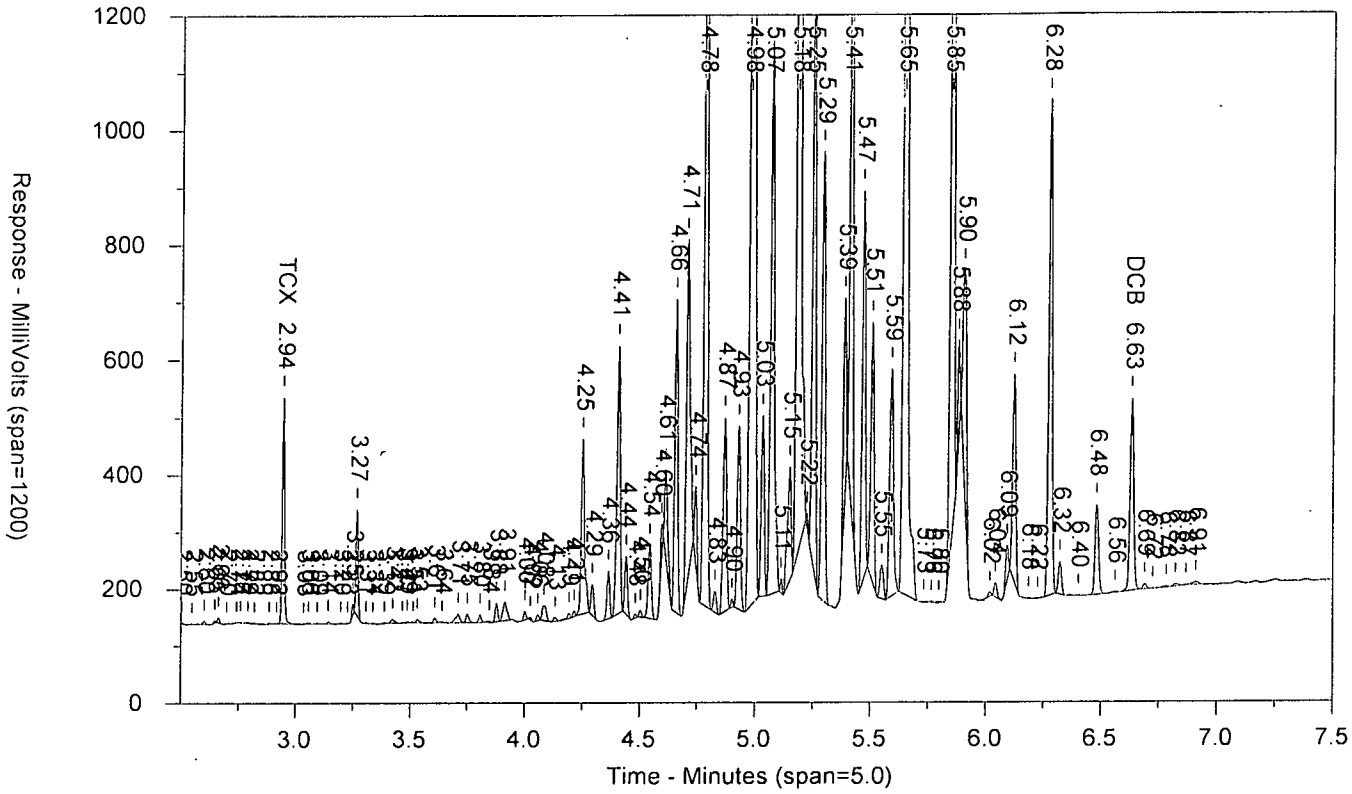

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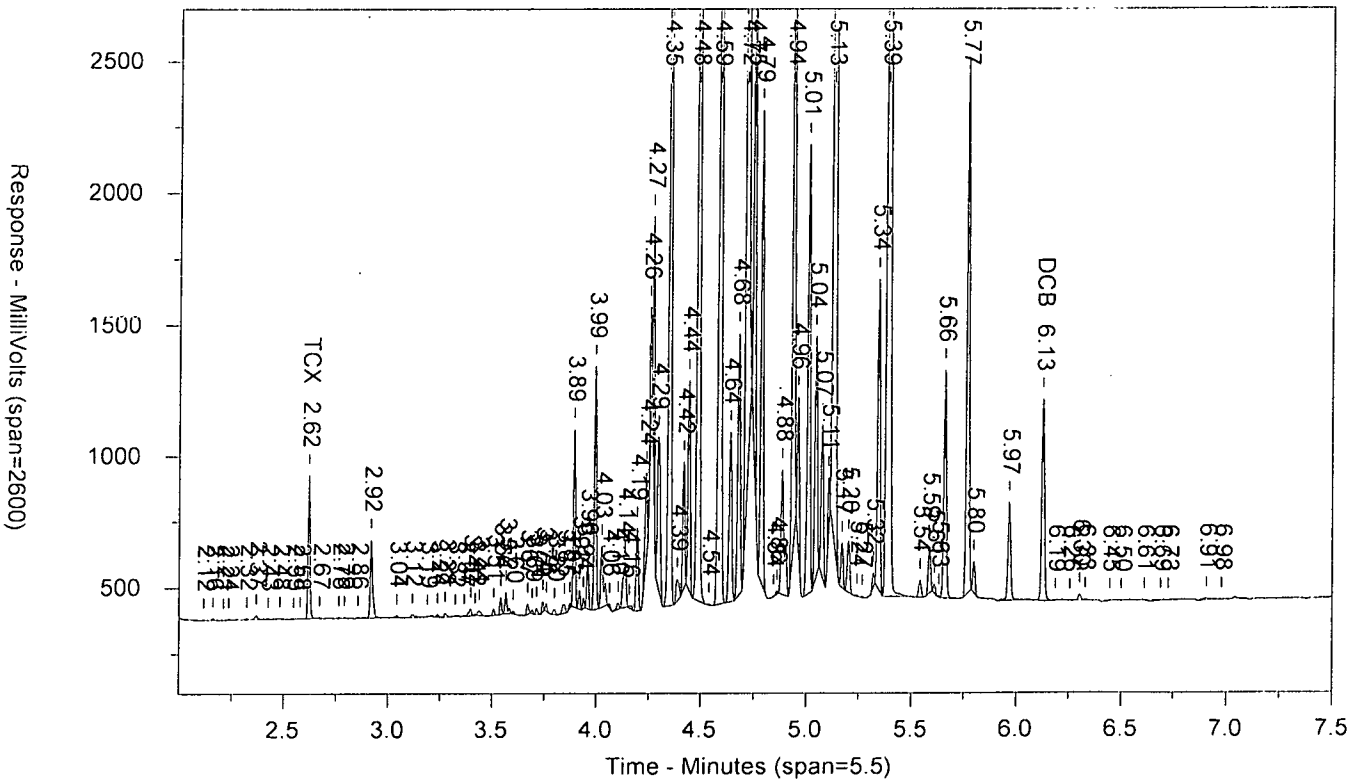

LANCASTER LABORATORIES

Sample Number: 8998321ACF DF10 ACA4606 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:39:52 AM Sample Weight: 10.35
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	396431	27.403	TCX	2.62	546511	27.729	TCX
6.631	335793	32.547	DCB	6.126	768936	31.516	DCB

Files:
Area File: 25pcbs17116016.066.RAW
Area File: 25pcbs17116016B.066.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:48:14 AM
File Reported On: 5/22/2017 at 5:48:33 AM

8998321ACF DF10 ACA4606 T 171390030A 10225 SW-846 8082

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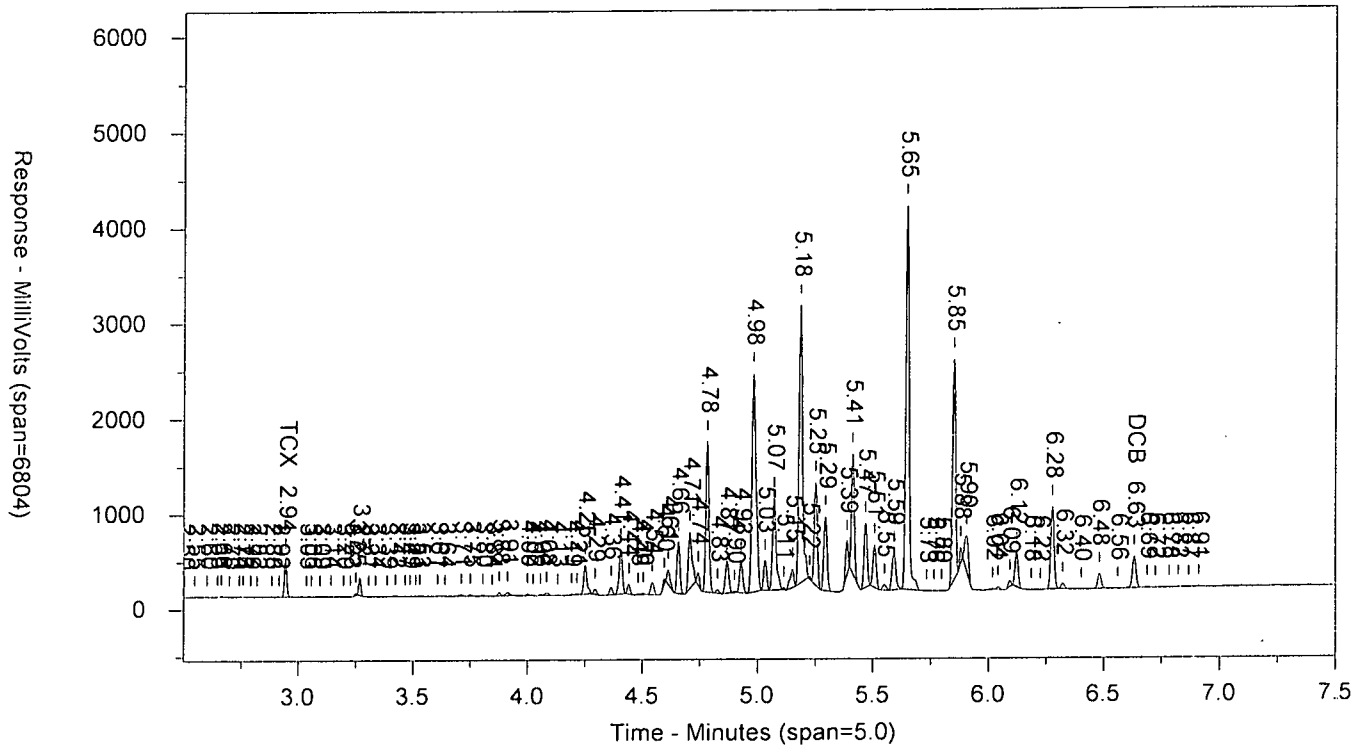

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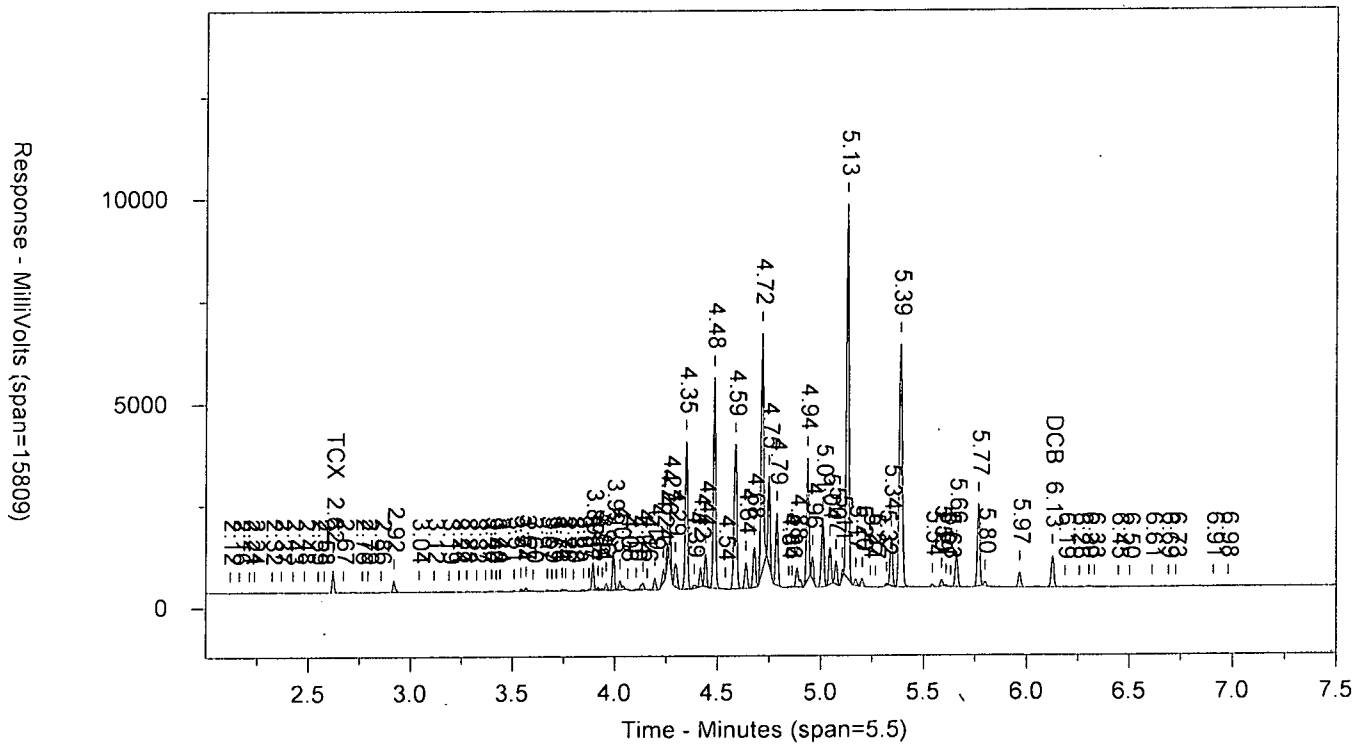

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Data Summary

Sample Name: 8998322 ACF DF10 A4607 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 06:02:55
Instrument	18274A
Result file	25PCBS17116016.068.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 100% (61 - 152) Conc: 28.0736
%SSR(DCB) 116% (48 - 164) Conc: 32.62921

Analysis Report (B)

Injected on	May 22, 2017 06:02:55
Instrument	18274B
Result file	25PCBS17116016B.068.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 29.65974
%SSR(DCB) 116% (48 - 164) Conc: 32.74138

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	407307	28.0736
Decachlorobiphenyl	6.61	6.63	6.67	337619	32.62921

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	586266	29.65974
Decachlorobiphenyl	6.10	6.12	6.16	801144	32.74138

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	28.0736				5.49	
☑	Decachlorobiphenyl	B	32.74138				0.34	

Multiple Component Data

Aroclor-1260 (%RSD 9.10)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	1769584	3524.474473			1
5.05	5.07	5.09	1126573	3872.617865			2
5.23	5.25	5.27	1192502	3492.040429			3
5.40	5.41	5.44	1382361	3714.848916			4
5.63	5.65	5.67	4442547	4403.288797			5
5.83	5.85	5.87	2515154	4081.588257			6

Height summation: **12428721**
Concentration CF: **3848.143123** L:

Aroclor-1260 (%RSD 12.40)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	4297842	3942.978946			1
4.47	4.48	4.51	5718890	4580.321463			2
4.57	4.59	4.61	4021943	3752.441377			3
4.92	4.93	4.96	3393872	3952.025485			4
5.11	5.13	5.15	9852228	4652.130571			5
5.37	5.39	5.41	6527235	5138.367833			6

Height summation: **33812010**
Concentration CF: **4336.377613** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<491.3295	<95.3757			4	
☑	PCB-1221			<491.3295	<147.3988			3	
☑	PCB-1232			<491.3295	<118.4971			4	
☑	PCB-1242			<491.3295	<118.4971			4	
☑	PCB-1248			<491.3295	<95.3757			4	
☑	PCB-1254			<491.3295	<127.1676			4	
☑	PCB-1260	B	4336.377613	491.3295	112.7168		11.93	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998322** ACF DF10 A4607 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:02:55
Instrument : CP25--18274A
Result file : 25PCBS17116016.068.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 100% (61-152) Conc.: 28.0736 Proc5
%SSR(DCB) : 116% (48-164) Conc.: 32.62921

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**78.88**	
3.18	3.20	3.22	4034.552	16.689653			1
3.40	3.42	3.44	7206.215	31.407249			2
3.51	3.53	3.55	11434.46	39.338196			3
3.73	3.75	3.77	24039.27	68.068114			4
3.79	3.80	3.83	24097.68	76.389801			5
3.98	4.00	4.02	35596.89	159.899061			6
Height Summation:			**106409.067**				
Amount Avg CF:			**65.298679**	Linear:			
Aroclor-1221					**3**	**27.49**	
3.07	3.09	3.11	1966.302	16.698505			1
3.13	3.14	3.17	2314.562	21.412547			2
3.18	3.20	3.22	4034.552	12.195344			3
Height Summation:			**8315.416**				
Amount Avg CF:			**16.768799**	Linear:			
Aroclor-1232					**6**	**90.83**	
3.18	3.20	3.22	4034.552	13.648174			1
3.40	3.42	3.44	7206.215	65.727441			2
3.52	3.53	3.56	11434.46	79.26982			3
3.74	3.75	3.78	24039.27	135.893183			4
3.79	3.80	3.83	24097.68	163.727335			5
3.99	4.00	4.03	35596.89	369.933583			6
+ 3.99	4.02	4.03	12210.46	126.894771			6
Height Summation:			**106409.067**				
Amount Avg CF:			**138.033256**	Linear:			
Aroclor-1242					**6**	**78.68**	
3.18	3.20	3.22	4034.552	19.666594			1
3.40	3.42	3.44	7206.215	37.8669			2
3.51	3.53	3.55	11434.46	47.115345			3
3.73	3.75	3.77	24039.27	81.734199			4
3.79	3.80	3.83	24097.68	95.551289			5
3.98	4.00	4.02	35596.89	192.223095			6
Height Summation:			**106409.067**				
Amount Avg CF:			**79.026237**	Linear:			
Aroclor-1248					**5**	**176.90**	
3.79	3.80	3.83	24097.68	133.214327			1
3.86	3.88	3.90	54652.37	192.401509			2
3.98	4.00	4.02	35596.89	108.365777			3
4.07	4.09	4.11	50278.7	177.870338			4
4.64	4.66	4.68	699649.9	3044.651584			6
Height Summation:			**864275.54**				
Amount Avg CF:			**731.300707**	Linear:			
Aroclor-1254					**6**	**116.81**	
4.24	4.25	4.28	369719.1	1222.063397			1
+ 4.58	4.60	4.62	98593.11	274.561236			2
4.58	4.61	4.62	156309.2	435.288503			2
4.64	4.66	4.68	699649.9	1007.652988			3
4.77	4.78	4.81	1769584	7886.796856			4
4.86	4.87	4.89	487851.4	955.269334			5
5.05	5.07	5.09	1126573	2965.943571			6
Height Summation:			**4609686.6**				
Amount Avg CF:			**2412.169108**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:02:55
Instrument : CP25--18274B
Result file : 25PCBS17116016B.068.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 105% (61-152) Conc.: 29.65974
%SSR(DCB) : 116% (48-164) Conc.: 32.74138

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**125.19**	
2.89	2.92	2.93	260415.9	766.115765			1
3.22	3.24	3.26	21031.22	46.464535			2
+ 3.41	3.42	3.45	7953.457	15.544631			3
3.41	3.43	3.45	24161.73	47.222884			3
3.49	3.51	3.53	46292.09	86.966119			4
3.65	3.67	3.69	83614.63	193.822261			5
+ 3.74	3.74	3.78	51260.88	130.049094			6
3.74	3.76	3.78	70106.92	177.861586			6
Height Summation:			**505622.49**				
Amount Avg CF:			**219.742192**	Linear:			
Aroclor-1221					**3**	**146.85**	
2.77	2.79	2.81	6726.487	38.137533			1
2.84	2.86	2.88	2815.545	25.850517			2
2.89	2.92	2.93	260415.9	566.220698			3
Height Summation:			**269957.932**				
Amount Avg CF:			**210.069583**	Linear:			
Aroclor-1232					**6**	**67.70**	
2.89	2.92	2.93	260415.9	612.606886			1
3.22	3.24	3.26	21031.22	98.464912			2
+ 3.41	3.42	3.45	7953.457	34.641537			3
3.41	3.43	3.45	24161.73	105.237188			3
3.49	3.51	3.53	46292.09	195.236757			4
3.65	3.67	3.69	83614.63	457.907468			5
+ 3.65	3.69	3.69	35486.54	194.338618			5
3.75	3.76	3.79	70106.92	384.651019			6
Height Summation:			**505622.49**				
Amount Avg CF:			**309.017372**	Linear:			
Aroclor-1242					**6**	**123.47**	
2.89	2.92	2.93	260415.9	914.754967			1
3.22	3.24	3.26	21031.22	58.183281			2
+ 3.41	3.42	3.45	7953.457	19.35411			3
3.41	3.43	3.45	24161.73	58.795664			3
3.49	3.51	3.53	46292.09	110.408591			4
3.65	3.67	3.69	83614.63	238.52458			5
+ 3.74	3.74	3.78	51260.88	152.92199			6
3.74	3.76	3.78	70106.92	209.143692			6
Height Summation:			**505622.49**				
Amount Avg CF:			**264.968463**	Linear:			
Aroclor-1248					**6**	**128.35**	
+ 3.41	3.42	3.45	7953.457	38.866699			1
3.41	3.43	3.45	24161.73	118.072768			1
3.52	3.54	3.56	105071.2	200.984988			2
3.65	3.67	3.69	83614.63	133.733187			3
3.74	3.76	3.78	70106.92	146.812831			4
3.88	3.89	3.92	877930.4	914.22836			5
+ 4.24	4.26	4.28	812158.6	1785.455259			6
4.24	4.27	4.28	892041.4	1961.070177			6
Height Summation:			**2052926.28**				
Amount Avg CF:			**579.150385**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998322** ACF DF10 A4607 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:02:55
Instrument : CP25--18274A
Result file : 25PCBS17116016.068.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	9.10	
4.76	4.78	4.80	1769584	3524.474473			1
5.05	5.07	5.09	1126573	3872.617865			2
5.23	5.25	5.27	1192502	3492.040429			3
5.40	5.41	5.44	1382361	3714.848916			4
5.63	5.65	5.67	4442547	4403.288797			5
5.83	5.85	5.87	2515154	4081.588257			6
Height Summation:			**12428721**				
Amount Avg CF:			**3848.143123**	Linear:			
Aroclor-1262					6	35.69	
E 5.23	5.25	5.27	1192502	1956.809298			1
E 5.40	5.41	5.44	1382361	2634.383514			2
E 5.63	5.65	5.67	4442547	3283.97725			3
E 5.83	5.85	5.87	2515154	3030.791525			4
5.89	5.90	5.93	405594.3	1066.236533			5
6.26	6.27	6.30	936283.3	1906.630274			6
Height Summation:			**10874441.6**				
Amount Avg CF:			**2313.138066**	Linear:			
Aroclor-1268					6	97.08	
5.83	5.85	5.87	2515154	1716.415855			1
5.89	5.90	5.93	405594.3	304.187743			2
6.03	6.04	6.07	27527.57	22.229279			3
+ 6.09	6.09	6.13	68318.73	212.079158			4
6.09	6.12	6.13	394552	1224.792325			4
6.26	6.27	6.30	936283.3	1783.787162			5
6.47	6.48	6.51	185796.1	43.107037			6
Height Summation:			**4464907.27**				
Amount Avg CF:			**849.086567**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:02:55
Instrument : CP25--18274B
Result file : 25PCBS17116016B.068.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	122.72	
4.18	4.20	4.22	436084.7	547.009888			1
+ 4.24	4.26	4.28	812158.6	554.891495			2
4.24	4.27	4.28	892041.4	609.469858			2
4.33	4.35	4.37	4297842	6395.638447			3
+ 4.40	4.42	4.44	801995.5	819.504549			4
4.40	4.44	4.44	932251.3	952.604074			4
E 4.47	4.48	4.51	5718890	10538.996819			5
4.62	4.64	4.66	911306.9	1276.56297			6
Height Summation:			**13188416.3**				
Amount Avg CF:			**3386.713676**	Linear:			
Aroclor-1260					6	12.40	
4.33	4.35	4.37	4297842	3942.978946			1
4.47	4.48	4.51	5718890	4580.321463			2
4.57	4.59	4.61	4021943	3752.441377			3
4.92	4.93	4.96	3393872	3952.025485			4
5.11	5.13	5.15	9852228	4652.130571			5
5.37	5.39	5.41	6527235	5138.367833			6
Height Summation:			**33812010**				
Amount Avg CF:			**4336.377612**	Linear:			
Aroclor-1262					6	36.45	
4.73	4.75	4.77	2474543	1802.845704			1
E 4.92	4.93	4.96	3393872	2500.196849			2
E 5.11	5.13	5.15	9852228	3468.340531			3
5.33	5.34	5.36	1374413	1286.790628			4
E 5.37	5.39	5.41	6527235	3520.396584			5
E 5.75	5.77	5.79	2330321	2188.385044			6
Height Summation:			**25952612**				
Amount Avg CF:			**2461.159223**	Linear:			
Aroclor-1268					6	128.59	
5.33	5.34	5.37	1374413	407.321524			1
E 5.37	5.39	5.41	6527235	1989.060237			2
5.53	5.54	5.57	84595.48	29.630664			3
5.59	5.61	5.63	39503.86	56.191589			4
+ 5.59	5.63	5.63	8122.947	11.554347			4
E 5.75	5.77	5.79	2330321	1959.657209			5
5.95	5.97	5.99	426184.5	42.037138			6
Height Summation:			**10782252.84**				
Amount Avg CF:			**747.316393**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			491.3295	95.3757		** 108.37	4	40	
Aroclor-1221			491.3295	147.3988		** 170.43	3	5	
Aroclor-1232			491.3295	118.4971		** 76.49	4	10	
Aroclor-1242			491.3295	118.4971		** 108.11	4	30	
Aroclor-1248			491.3295	95.3757		23.22	4	40	
Aroclor-1254			491.3295	127.1676		33.61	4	40	
Aroclor-1260			491.3295	112.7168		11.93	4	40	
Aroclor-1262			491.3295	95.3757	E	6.20	4	40	
Aroclor-1268			491.3295	95.3757		12.75	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998322ACF DF10 ACA4607 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:02:55 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.068.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.023		1221	1273
2.053		5345	6655
2.09		5315	7405
2.144		13134	11318
2.212		16334	11758
2.238		1184	703
2.296		869	608
2.339		4058	3421
2.377		1976	1712
2.402		1795	1759
2.455		446	242
2.503		2670	3637
2.545		451	329
2.574		612	505
2.6		2532	1990
2.648		3107	1824
2.664		15586	9265
2.719		588	831
2.755		1898	3005
2.818		1474	1149
2.887		1281	988
2.915		1157	648
2.944	TCX	407307	293375
3.016		2616	2225
3.052		3778	2742
3.095		1966	1527
3.118		2679	1651
3.144		2315	2420
3.196		4035	2993
3.226		402	185
3.249		43794	24616
3.267		150811	96103
3.335		1056	810
3.387		444	294
3.417		7206	12665
3.47		1070	666
3.486		3297	4045
3.531		11434	8672
3.568		754	669
3.586		699	406
3.607		10363	7361
3.641		4513	5126
3.711		38376	44395
3.75		24039	20788
3.805		24098	19186
3.847		2730	1885
3.876		54652	41587
3.912		43005	69767
4		35597	25437
4.024		12210	8044
4.056		20153	14431
4.089		50279	56256
4.13		12235	10491
4.177		1406	1186

RT A	Compound A	Height A	Area A
4.192		8441	4930
4.215		13037	7836
4.251		369719	391511
4.294		103040	86155
4.364		100306	86490
4.406		513458	546792
4.44		155104	127259
4.481		11159	7780
4.503		19290	14324
4.544		174591	168611
4.595		98593	68330
4.612		156309	154599
4.656		699650	640238
4.706		654298	715366
4.741		151644	110528
4.782		1769584	1671485
4.827		56354	48942
4.867		487851	494160
4.9		18318	11371
4.928		359286	351404
4.98		2453925	3068286
5.031		351313	320995
5.07		1126573	1238850
5.112		34111	19850
5.15		210501	252027
5.183		3323465	3390851
5.225		34081	15291
5.25		1192502	1121449
5.292		889236	859701
5.333		3565	2261
5.386		419602	333397
5.411		1382361	1173922
5.467		744696	702025
5.506		482540	458409
5.547		64043	70573
5.588		432054	504981
5.646		4442547	4427549
5.729		2575	2368
5.76		1123	882
5.794		2460	2682
5.849		2515154	2374767
5.879		155364	103409
5.904		405594	458042
6.016		12577	9442
6.04		27528	26242
6.091		68319	54749
6.12		394552	382716
6.154		1142	726
6.184		1610	1038
6.225		686	446
6.275		936283	979787
6.32		66260	63274
6.365		1026	695
6.398		1721	1678
6.478		185796	203906
6.554		577	476
6.565		623	231
6.628	DCB	337619	383642
6.686		10660	10515
6.736		644	601
6.775		2577	3477
6.825		2325	3350
6.875		658	598
6.908		4249	7095
6.952		801	1123

LANCASTER LABORATORIES

Sample Number: 8998322ACF DF10 ACA4607 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:02:55 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.068.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.118		3006	4033
2.16		4265	3223
2.24		2195	2480
2.324		5141	4729
2.368		26641	24589
2.469		1598	4203
2.574		1208	896
2.62	TCX	586266	360124
2.667		4433	3250
2.715		5390	5754
2.763		1545	1734
2.793		6726	6908
2.857		2816	2810
2.919		260416	230146
3.02		895	1342
3.043		6717	3975
3.071		1525	971
3.115		14291	16776
3.167		2282	1712
3.189		4980	2817
3.213		5981	3285
3.237		21031	16703
3.275		20531	14417
3.322		10522	11331
3.397		66759	58819
3.417		7953	3375
3.433		24162	26242
3.506		46292	32087
3.541		105071	66833
3.565		112695	64216
3.583		34931	16411
3.67		83615	57405
3.692		35487	19599
3.713		43407	28662
3.743		51261	27811
3.76		70107	42088
3.799		35621	29669
3.845		39297	41461
3.872		47317	28319
3.893		877930	578370
3.919		149839	89641
3.938		59853	31993
3.958		203843	135425
3.993		1099359	758597
4.025		379088	427243
4.104		37210	29638
4.138		240253	238027
4.167		21884	17147
4.195		436085	320758
4.237		367862	294544
4.256		812159	411581
4.269		892041	452027
4.295		637357	628760
4.347		4297842	3246639

RT B	Compound B	Height B	Area B
4.386		119879	113456
4.417		801996	536577
4.441		932251	674385
4.485		5718890	4406412
4.54		10137	7803
4.586		4021943	3877258
4.638		911307	781091
4.678		1167854	998235
4.714		6997668	5647036
4.746		2474543	1684096
4.785		1965354	1551160
4.86		13790	11668
4.885		547355	593393
4.935		3393872	2614896
4.959		690283	455384
5.009		1867986	1657486
5.045		1057245	835757
5.074		669156	541578
5.107		200814	121415
5.128		9852228	8248215
5.17		182746	136016
5.201		233396	190316
5.243		4492	3156
5.266		5757	3456
5.319		64061	40301
5.343		1374413	1128412
5.386		6527235	6817665
5.542		84595	71606
5.588		195649	156164
5.61		39504	25609
5.633		8123	4193
5.659		939572	814978
5.701		3671	3583
5.767		2330321	1885274
5.798		128285	98186
5.966		426185	376424
6.056		2130	2696
6.125	DCB	801144	740627
6.301		26559	20414
6.328		5964	5263
6.498		1511	1465
6.549		2193	2606
6.607		2804	3285
6.652		2266	2125
6.731		1154	905
6.753		1547	1211
6.851		1165	1081
6.903		4193	4544
6.976		2174	2569

8998322ACF DF10 ACA4607 T 171390030A 10225 SW-846 8082

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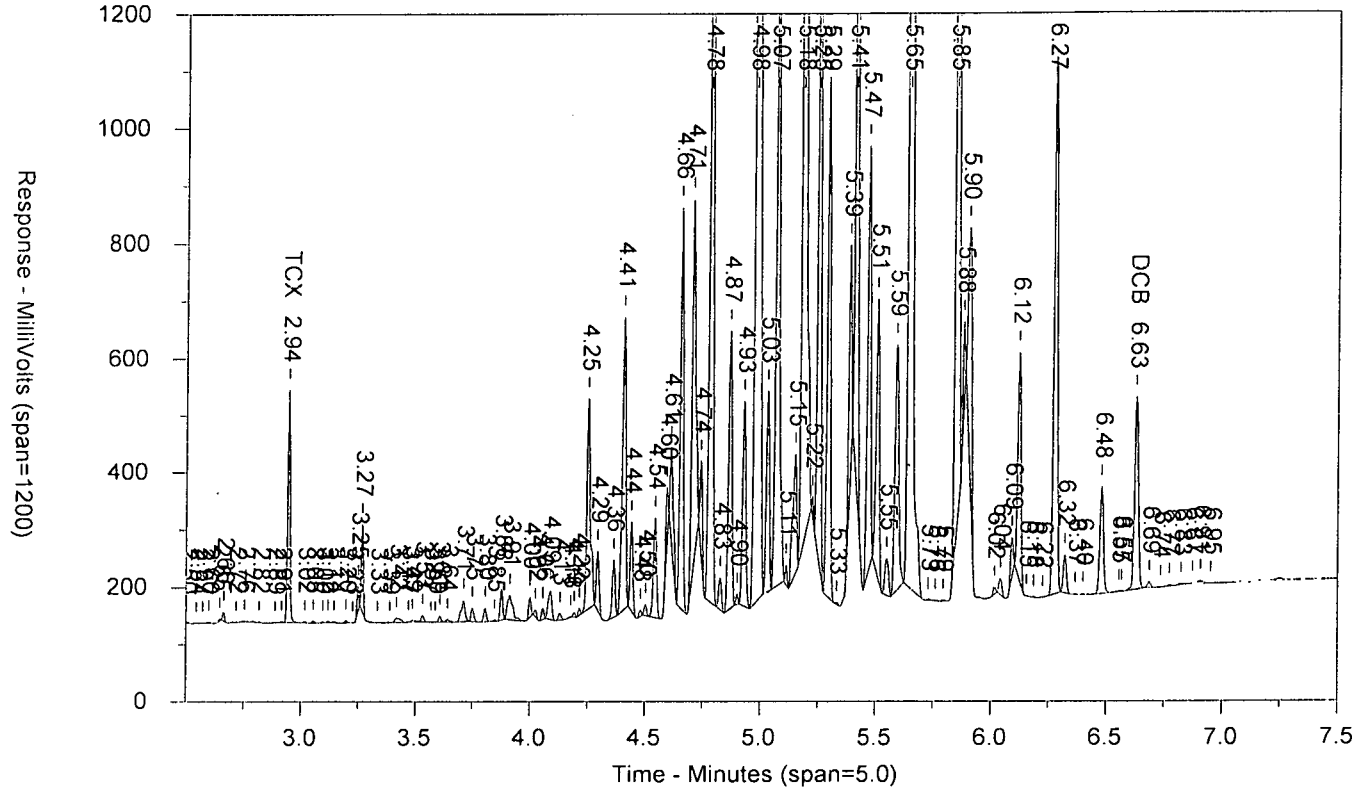

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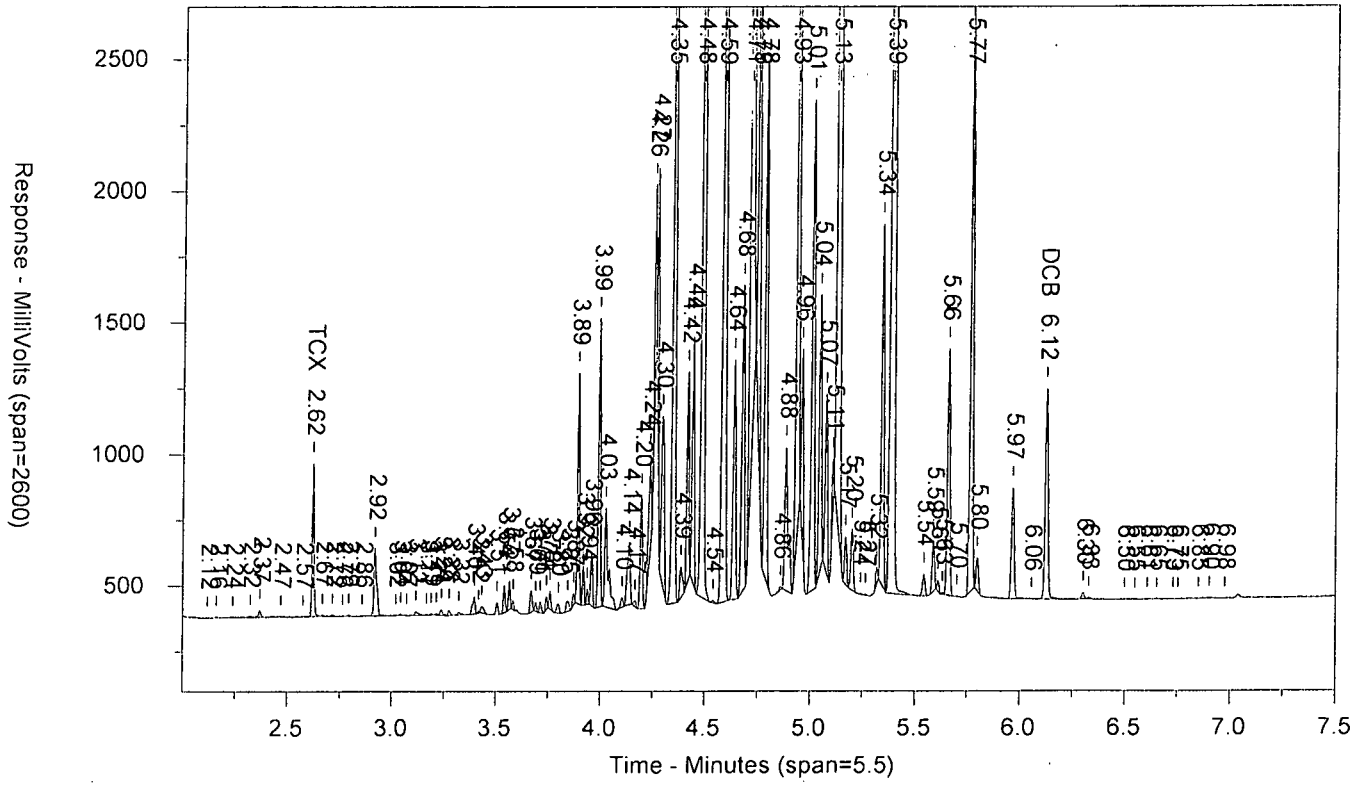

LANCASTER LABORATORIES

Sample Number: 8998322ACF DF10 ACA4607 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:02:55 AM Sample Weight: 10.38
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	407307	28.074	TCX	2.62	586266	29.66	TCX
6.628	337619	32.629	DCB	6.125	801144	32.741	DCB

Files:
Area File: 25pcbs17116016.068.RAW
Area File: 25pcbs17116016B.068.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 6:11:24 AM
File Reported On: 5/22/2017 at 6:11:36 AM

8998322ACF DF10 ACA4607 T 171390030A 10225 SW-846 8082

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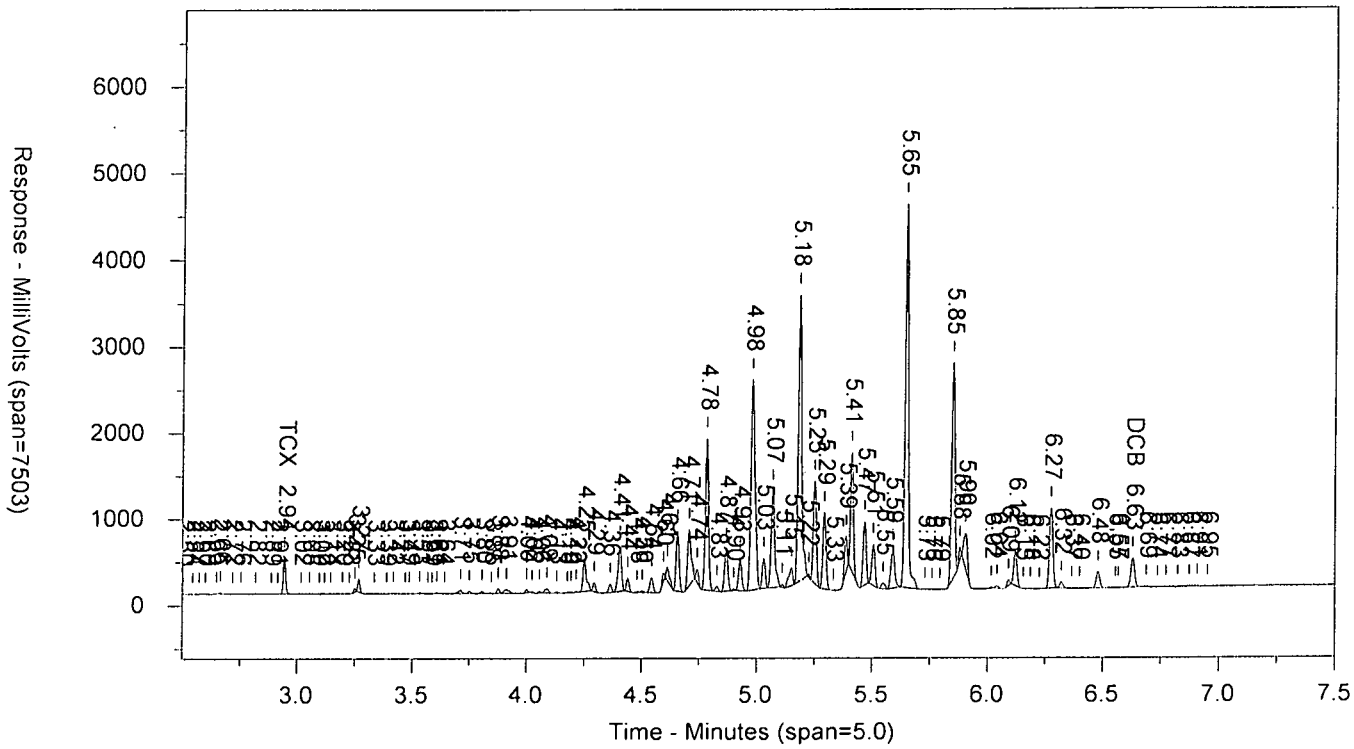

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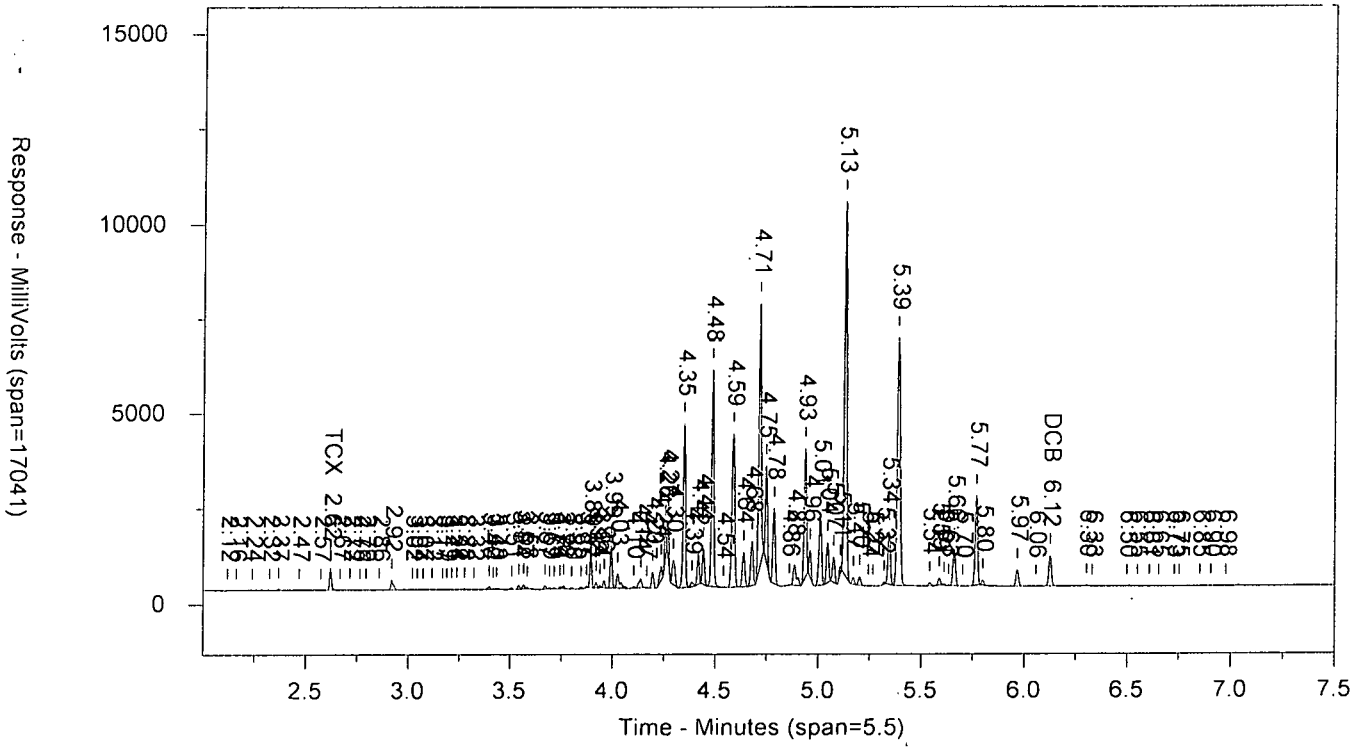

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Data Summary

Sample Name: 8998323 ACF DF5 A4608 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 06:25:30
Instrument	18274A
Result file	25PCBS17116016.070.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 114% (61 - 152) Conc: 32.82494
%SSR(DCB) 124% (48 - 164) Conc: 35.84782

Analysis Report (B)

Injected on	May 22, 2017 06:25:30
Instrument	18274B
Result file	25PCBS17116016B.070.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 120% (61 - 152) Conc: 34.50709
%SSR(DCB) 124% (48 - 164) Conc: 35.95288

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	929544	32.82494
Decachlorobiphenyl	6.61	6.63	6.67	723977	35.84782

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1331306	34.50709
Decachlorobiphenyl	6.10	6.12	6.16	1717075	35.95288

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	32.82494				5.00	
☑ Decachlorobiphenyl	B	35.95288				0.29	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.09**	
4.76	4.78	4.80	455024.6	464.318487			1
5.05	5.07	5.09	363714.6	640.566103			2
5.23	5.25	5.27	308548.5	462.915261			3
5.40	5.41	5.44	346266.2	476.746701			4
5.63	5.64	5.67	1047203	531.782363			5
5.83	5.85	5.87	624011.9	518.818429			6

Height summation: **3144768.8**
Concentration CF: **515.857891** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.76**	
4.33	4.34	4.37	1067444	501.738036			1
4.47	4.48	4.51	1425445	584.914777			2
4.57	4.58	4.61	946651.4	452.507726			3
4.92	4.93	4.96	759757.5	453.270219			4
5.11	5.13	5.15	2187206	529.133238			5
5.37	5.38	5.41	1568729	632.705747			6

Height summation: **7955232.9**
Concentration CF: **525.711624** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<251.7275	<48.8648			4	
☑ PCB-1221			<251.7275	<75.5183			3	
☑ PCB-1232			<251.7275	<60.7108			4	
☑ PCB-1242			<251.7275	<60.7108			4	
☑ PCB-1248			<251.7275	<48.8648			4	
☑ PCB-1254			<251.7275	<65.153			4	
☑ PCB-1260	B	525.711624	251.7275	57.7493		1.89	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998323** ACF DF5 A4608 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:25:30
Instrument : CP25--18274A
Result file : 25PCBS17116016.070.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 114% (61-152) Conc.: 32.82494 BOCS
%SSR(DCB) : 124% (48-164) Conc.: 35.84782

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**82.33**	
3.18	3.20	3.22	1273.67	2.699397			1
3.40	3.42	3.44	4372.155	9.762839			2
3.51	3.53	3.55	2624.885	4.626653			3
3.73	3.75	3.77	9553.561	13.859439			4
3.79	3.80	3.83	4871.445	7.91181			5
3.98	4.00	4.02	12232.15	28.151048			6
Height Summation:			**34927.866**				
Amount Avg CF:			**11.168531**	Linear:			
Aroclor-1221					**3**	**121.55**	
3.07	3.09	3.11	1063.05	4.62529			1
3.13	3.14	3.17	5528.612	26.204359			2
3.18	3.20	3.22	1273.67	1.972484			3
Height Summation:			**7865.332**				
Amount Avg CF:			**10.934044**	Linear:			
Aroclor-1232					**6**	**93.85**	
3.18	3.20	3.22	1273.67	2.207466			1
3.40	3.42	3.44	4372.155	20.431158			2
3.52	3.53	3.56	2624.885	9.323101			3
3.74	3.75	3.78	9553.561	27.66939			4
3.79	3.80	3.83	4871.445	16.957494			5
3.99	4.00	4.03	12232.15	65.1287			6
+ 3.99	4.02	4.03	2796.291	14.888535			6
Height Summation:			**34927.866**				
Amount Avg CF:			**23.619552**	Linear:			
Aroclor-1242					**6**	**81.91**	
3.18	3.20	3.22	1273.67	3.18089			1
3.40	3.42	3.44	4372.155	11.770801			2
3.51	3.53	3.55	2624.885	5.541341			3
3.73	3.75	3.77	9553.561	16.642008			4
3.79	3.80	3.83	4871.445	9.896395			5
3.98	4.00	4.02	12232.15	33.84186			6
+ 3.98	4.02	4.02	2796.291	7.736309			6
Height Summation:			**34927.866**				
Amount Avg CF:			**13.478883**	Linear:			
Aroclor-1248					**6**	**182.86**	
3.79	3.80	3.83	4871.445	13.797215			1
3.86	3.87	3.90	23538.57	42.455842			2
3.98	4.00	4.02	12232.15	19.07835			3
+ 3.98	4.02	4.02	2796.291	4.361344			3
4.07	4.08	4.11	13525.08	24.514173			4
+ 4.25	4.26	4.29	17085.09	31.117356			5
4.25	4.29	4.29	58478.67	106.508166			5
4.64	4.65	4.68	337024.1	751.407793			6
Height Summation:			**449670.015**				
Amount Avg CF:			**159.626923**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:25:30
Instrument : CP25--18274B
Result file : 25PCBS17116016B.070.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 120% (61-152) Conc.: 34.50709
%SSR(DCB) : 124% (48-164) Conc.: 35.95288

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**176.68**	
2.89	2.92	2.93	197400.3	297.531275			1
3.22	3.24	3.26	6766.693	7.659343			2
+ 3.41	3.42	3.45	7220.079	7.229768			3
3.41	3.44	3.45	13958.08	13.976811			3
3.49	3.50	3.53	7027.972	6.76443			4
3.65	3.67	3.69	27172.25	32.270441			5
+ 3.65	3.69	3.69	8237.149	9.782643			5
3.74	3.76	3.78	23669.06	30.765232			6
Height Summation:			**275994.355**				
Amount Avg CF:			**64.827922**	Linear:			
Aroclor-1221					**3**	**134.80**	
2.77	2.79	2.81	3164.385	9.192032			1
2.84	2.86	2.88	6284.042	29.559954			2
2.89	2.92	2.93	197400.3	219.89936			3
Height Summation:			**206848.727**				
Amount Avg CF:			**86.217115**	Linear:			
Aroclor-1232					**6**	**114.16**	
2.89	2.92	2.93	197400.3	237.914054			1
3.22	3.24	3.26	6766.693	16.23123			2
+ 3.41	3.42	3.45	7220.079	16.111689			3
3.41	3.44	3.45	13958.08	31.147616			3
3.49	3.50	3.53	7027.972	15.185977			4
3.65	3.67	3.69	27172.25	76.239312			5
+ 3.65	3.69	3.69	8237.149	23.111615			5
3.75	3.76	3.79	23669.06	66.534197			6
Height Summation:			**275994.355**				
Amount Avg CF:			**73.875398**	Linear:			
Aroclor-1242					**6**	**175.57**	
2.89	2.92	2.93	197400.3	355.257291			1
3.22	3.24	3.26	6766.693	9.591094			2
+ 3.41	3.42	3.45	7220.079	9.001547			3
3.41	3.44	3.45	13958.08	17.402068			3
3.49	3.50	3.53	7027.972	8.587841			4
3.65	3.67	3.69	27172.25	39.713154			5
+ 3.65	3.69	3.69	8237.149	12.038869			5
3.74	3.76	3.78	23669.06	36.176188			6
Height Summation:			**275994.355**				
Amount Avg CF:			**77.787939**	Linear:			
Aroclor-1248					**6**	**161.20**	
+ 3.41	3.42	3.45	7220.079	18.076801			1
3.41	3.44	3.45	13958.08	34.946631			1
3.52	3.54	3.56	47208.42	46.265505			2
+ 3.52	3.56	3.56	43181.78	42.319291			2
3.65	3.67	3.69	27172.25	22.265909			3
+ 3.65	3.69	3.69	8237.149	6.749813			3
3.74	3.76	3.78	23669.06	25.394639			4
3.88	3.89	3.92	301165.7	160.678594			5
+ 3.88	3.92	3.92	71719.98	38.264203			5
4.24	4.25	4.28	612110.9	689.439482			6
Height Summation:			**1025284.41**				
Amount Avg CF:			**163.165127**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998323** ACF DF5 A4608 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:25:30
Instrument : CP25--18274A
Result file : 25PCBS17116016.070.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	88.84	
4.24	4.25	4.28	104804.4	177.484029			1
+ 4.24	4.26	4.28	17085.09	28.933238			1
4.58	4.59	4.62	75331.12	107.47934			2
+ 4.58	4.61	4.62	19214	27.413744			2
+ 4.58	4.62	4.62	20405.55	29.113799			2
4.64	4.65	4.68	337024.1	248.684714			3
4.77	4.78	4.81	455024.6	1039.016061			4
4.86	4.86	4.89	261023.2	261.863702			5
5.05	5.07	5.09	363714.6	490.593955			6
Height Summation:			**1596922.02**				
Amount Avg CF:			**387.5203**	Linear:			
Aroclor-1260					6	13.09	
4.76	4.78	4.80	455024.6	464.318487			1
5.05	5.07	5.09	363714.6	640.566103			2
5.23	5.25	5.27	308548.5	462.915261			3
5.40	5.41	5.44	346266.2	476.746701			4
5.63	5.64	5.67	1047203	531.782363			5
5.83	5.85	5.87	624011.9	518.818429			6
Height Summation:			**3144768.8**				
Amount Avg CF:			**515.857891**	Linear:			
Aroclor-1262					6	31.47	
5.23	5.25	5.27	308548.5	259.400458			1
5.40	5.41	5.44	346266.2	338.084718			2
5.63	5.64	5.67	1047203	396.603825			3
5.83	5.85	5.87	624011.9	385.249662			4
5.89	5.90	5.93	107904.9	145.331848			5
6.26	6.27	6.30	260812.3	272.11043			6
Height Summation:			**2694746.8**				
Amount Avg CF:			**299.46349**	Linear:			
Aroclor-1268					6	95.51	
5.83	5.85	5.87	624011.9	218.176877			1
5.89	5.90	5.93	107904.9	41.461876			2
6.03	6.04	6.07	14674.58	6.071292			3
+ 6.09	6.09	6.13	12906.85	20.527515			4
6.09	6.12	6.13	110728.2	176.106084			4
6.26	6.27	6.30	260812.3	254.578509			5
6.47	6.48	6.51	60731.09	7.219059			6
Height Summation:			**1178862.97**				
Amount Avg CF:			**117.268949**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:25:30
Instrument : CP25--18274B
Result file : 25PCBS17116016B.070.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	92.91	
4.18	4.19	4.22	229540.7	147.516956			1
4.24	4.25	4.28	612110.9	214.266979			2
4.33	4.34	4.37	1067444	813.835203			3
4.40	4.41	4.44	439318.7	229.994282			4
+ 4.40	4.44	4.44	267008.6	139.785653			4
4.47	4.48	4.51	1425445	1345.847672			5
4.62	4.63	4.66	437402.1	313.918102			6
Height Summation:			**4211261.4**				
Amount Avg CF:			**510.896532**	Linear:			
Aroclor-1260					6	13.76	
4.33	4.34	4.37	1067444	501.738036			1
4.47	4.48	4.51	1425445	584.914777			2
4.57	4.58	4.61	946651.4	452.507726			3
4.92	4.93	4.96	759757.5	453.270219			4
+ 4.92	4.96	4.96	260327.2	155.310829			4
5.11	5.13	5.15	2187206	529.133238			5
5.37	5.38	5.41	1568729	632.705747			6
Height Summation:			**7955232.9**				
Amount Avg CF:			**525.711624**	Linear:			
Aroclor-1262					6	35.84	
4.73	4.74	4.77	527008.9	196.715878			1
4.92	4.93	4.96	759757.5	286.755432			2
+ 4.92	4.96	4.96	260327.2	98.255349			2
5.11	5.13	5.15	2187206	394.488982			3
5.33	5.34	5.36	352305.1	168.992518			4
5.37	5.38	5.41	1568729	433.479117			5
5.75	5.76	5.79	573131.2	275.752814			6
Height Summation:			**5968137.7**				
Amount Avg CF:			**292.697457**	Linear:			
Aroclor-1268					6	120.91	
5.33	5.34	5.37	352305.1	53.492999			1
5.37	5.38	5.41	1568729	244.920154			2
5.53	5.54	5.57	41530.67	7.452827			3
5.59	5.61	5.63	28053.19	20.444286			4
5.75	5.76	5.79	573131.2	246.931403			5
5.95	5.96	5.99	132360.9	6.688875			6
Height Summation:			**2696110.06**				
Amount Avg CF:			**96.655091**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			251.7275	48.8648		** 141.22	4	40	
Aroclor-1221			251.7275	75.5183		** 154.98	3	5	
Aroclor-1232			251.7275	60.7108		** 103.09	4	10	
Aroclor-1242			251.7275	60.7108		** 140.93	4	30	
Aroclor-1248			251.7275	48.8648		2.19	4	40	
Aroclor-1254			251.7275	65.153		27.47	4	40	
Aroclor-1260			251.7275	57.7493		1.89	4	40	
Aroclor-1262			251.7275	48.8648		2.29	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998323** ACF DF5 A4608 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: May 22, 2017 06:25:30
Instrument	: CP25--18274A
Result file	: 25PCBS17116016.070.RAW
Calibration file	: 25PCBS1711601.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: May 22, 2017 06:25:30
Instrument	: CP25--18274B
Result file	: 25PCBS17116016B.070.RAW
Calibration file	: 25PCBS1711601B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			251.7275	48.8648		19.27	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998323ACF DF5 ACA4608 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:25:30 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.070.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.021		748	739
2.043		5816	6975
2.09		8736	12656
2.143		39298	29756
2.194		360	138
2.211		12239	8383
2.237		3578	2791
2.296		1752	1450
2.337		18560	13700
2.376		2605	2543
2.403		11801	7972
2.447		418	369
2.502		4430	5875
2.544		1876	1677
2.579		828	479
2.6		1663	1464
2.646		5196	2872
2.662		6785	3616
2.698		1486	1093
2.716		1069	460
2.749		3932	4735
2.789		12256	10121
2.882		3272	2889
2.913		1867	1482
2.942	TCX	929544	661432
3.054		3499	3525
3.091		1063	857
3.141		5529	4909
3.176		505	213
3.195		1274	729
3.224		2163	1337
3.246		25407	13614
3.265		124801	79505
3.305		2584	1835
3.385		2715	2437
3.421		4372	4320
3.463		2568	1992
3.485		952	677
3.531		2625	3268
3.606		5309	7741
3.691		7310	5045
3.707		1925	2403
3.75		9554	11985
3.801		4871	4824
3.835		2767	3019
3.873		23539	18499
3.91		2411	5787
3.922		15041	9083
3.997		12232	9821
4.021		2796	1685
4.054		7967	5838
4.085		13525	15909
4.132		6314	6282
4.162		1310	816

RT A	Compound A	Height A	Area A
4.189		9748	6832
4.212		4906	2932
4.248		104804	76028
4.265		17085	8729
4.291		58479	51214
4.36		44350	38060
4.402		216602	236818
4.437		112378	92923
4.478		8694	6035
4.5		9584	6865
4.541		84149	78942
4.591		75331	53467
4.608		19214	9025
4.621		20406	12394
4.652		337024	299184
4.702		168955	183904
4.738		53361	37473
4.778		455025	448506
4.823		30126	28500
4.864		261023	257932
4.898		6853	4231
4.925		114358	112563
4.976		688338	857868
5.028		91500	83136
5.065		363715	412841
5.11		21430	14169
5.146		69139	83872
5.18		919387	963644
5.221		13537	6887
5.248		308549	293275
5.289		227984	231309
5.384		151822	121452
5.409		346266	287911
5.464		203529	199752
5.503		133907	125790
5.544		17534	18497
5.584		141372	173503
5.643		1047203	1078942
5.728		1595	2639
5.79		1273	1293
5.846		624012	607715
5.876		50070	31543
5.903		107905	122032
5.947		880	881
6.012		3795	3457
6.038		14675	13439
6.089		12907	10291
6.117		110728	105355
6.181		651	574
6.273		260812	267755
6.317		16366	15982
6.363		1054	1281
6.404		949	1100
6.443		530	204
6.477		60731	63629
6.558		1565	2001
6.627	DCB	723977	789876
6.685		2060	1432
6.731		536	416
6.776		1640	2649
6.825		2732	4428
6.905		5686	15769

LANCASTER LABORATORIES

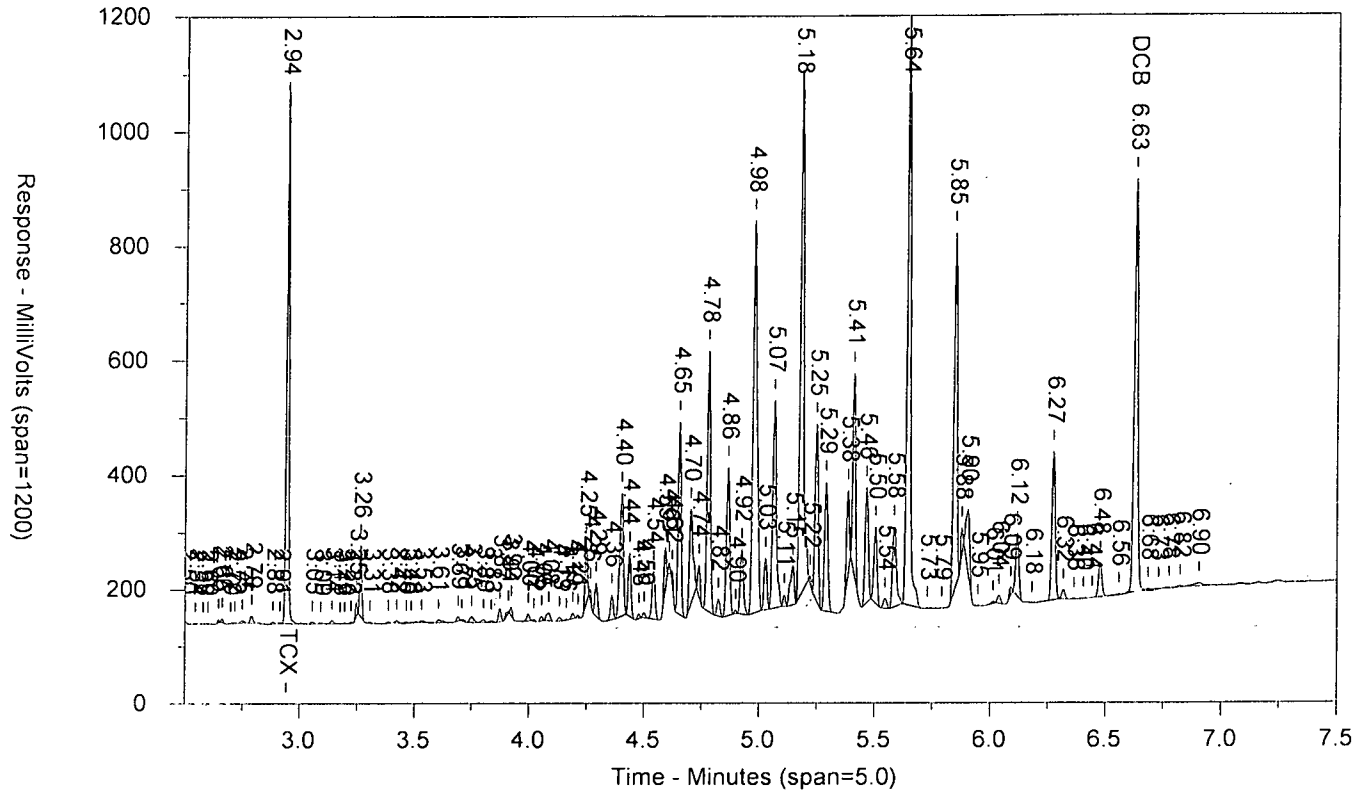
Sample Number: 8998323ACF DF5 ACA4608 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:25:30 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.070.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.117		12643	8630
2.161		1454	905
2.212		2515	2918
2.237		3552	3378
2.279		2647	1781
2.324		6331	5410
2.367		14077	16046
2.437		3103	1958
2.48		3812	3745
2.536		2872	4523
2.552		18059	11216
2.578		2601	1676
2.619	TCX	1331306	823068
2.671		4041	3272
2.763		4968	4543
2.791		3164	1548
2.855		6284	5808
2.917		197400	166856
3.005		1132	1722
3.04		7335	7629
3.115		8716	9360
3.201		6331	8901
3.236		6767	8681
3.279		11726	14880
3.336		13715	10880
3.366		5922	5085
3.394		8875	6721
3.416		7220	3563
3.444		13958	15156
3.505		7028	4885
3.539		47208	27092
3.563		43182	23359
3.58		39037	20956
3.598		5069	4117
3.668		27172	18248
3.689		8237	4590
3.711		16307	12326
3.74		13912	6720
3.756		23669	14160
3.795		13977	10614
3.839		16427	19742
3.869		23619	13511
3.89		301166	202789
3.916		71720	41567
3.936		49895	27262
3.956		102354	67814
3.99		437506	311692
4.022		234657	210743
4.06		19877	13327
4.101		26779	25691
4.135		141016	114273
4.155		6554	5686
4.192		229541	174907
4.233		105910	121675

RT B	Compound B	Height B	Area B
4.253		612111	641309
4.292		171558	171659
4.344		1067445	859561
4.382		69995	58842
4.414		439319	314731
4.438		267009	185260
4.481		1425445	1140121
4.583		946651	967323
4.634		437402	377505
4.675		323386	285771
4.711		1734769	1497206
4.744		527009	367107
4.782		479436	373424
4.858		37128	28373
4.881		94764	62461
4.899		40605	23797
4.933		759758	593919
4.956		260327	184776
5.006		466727	417822
5.042		265022	215348
5.071		167579	138061
5.104		110947	64018
5.126		2187207	1831201
5.167		47412	34478
5.198		71817	59995
5.263		3376	2033
5.316		16808	11065
5.341		352305	295915
5.384		1568729	1631752
5.486		2426	1818
5.54		41531	35502
5.585		54072	40721
5.608		28053	18671
5.657		248958	214917
5.701		2734	2593
5.764		573131	483304
5.795		35655	26680
5.963		132361	116926
5.996		1984	1778
6.123	DCB	1717075	1537156
6.254		1242	795
6.299		5228	3871
6.326		10022	14616
6.483		625	6143
6.603		3667	7758
6.7		1426	5845
6.817		2342	7107
6.901		5521	9066

8998323ACF DF5 ACA4608 T 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.070.RAW



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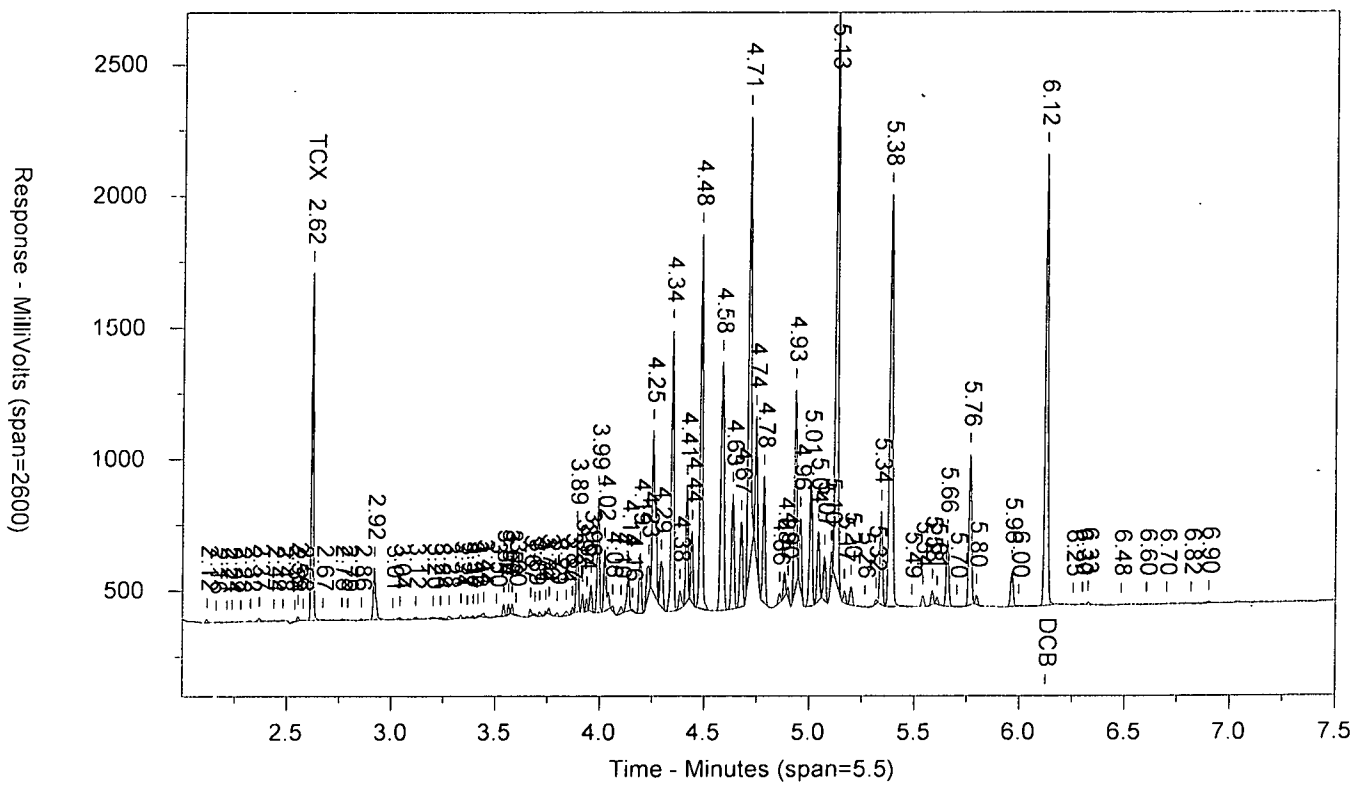


LANCASTER LABORATORIES

Sample Number: 8998323ACF DF5 ACA4608 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:25:30 AM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

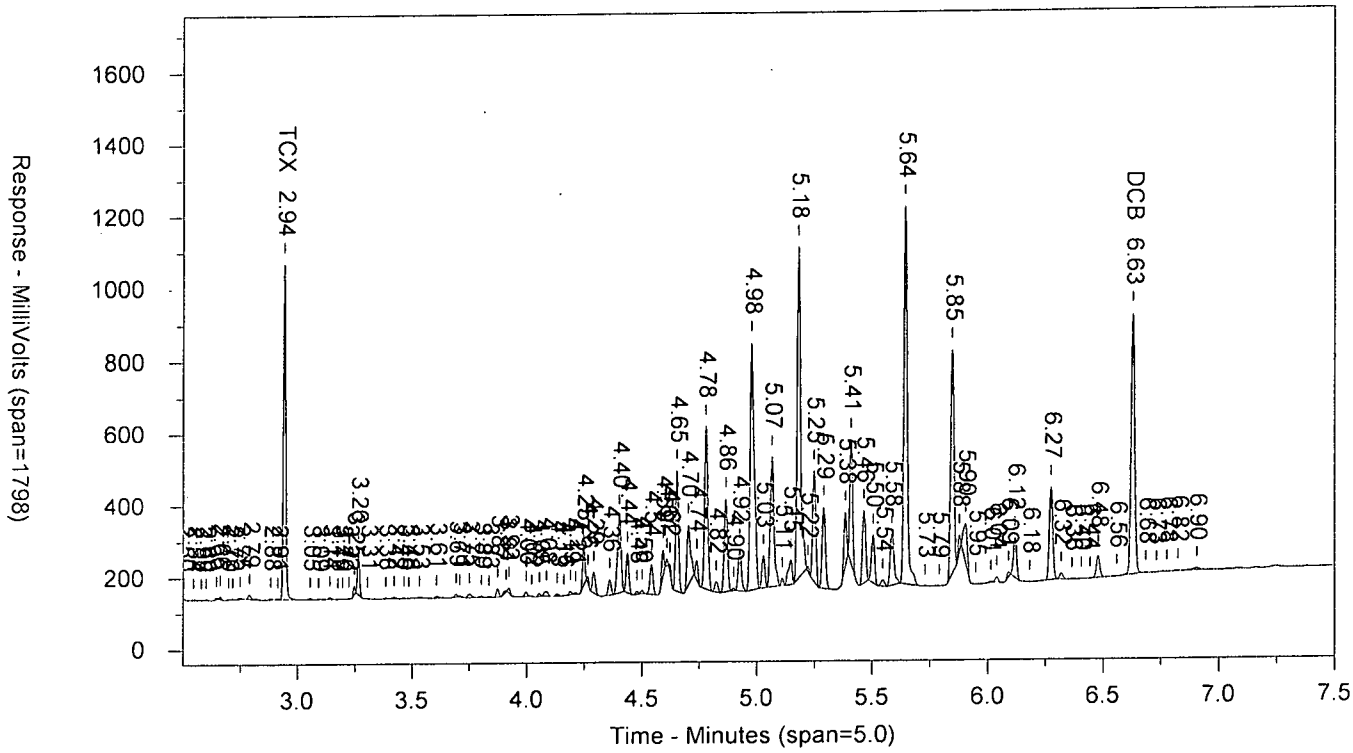
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.942	929544	32.825	TCX	2.619	1331306	34.507	TCX
6.627	723977	35.848	DCB	6.123	1717075	35.953	DCB

Files:
Area File: 25pcbs17116016.070.RAW
Area File: 25pcbs17116016B.070.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 6:34:00 AM
File Reported On: 5/22/2017 at 6:34:08 AM

8998323ACF DF5 ACA4608 T 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.070.RAW



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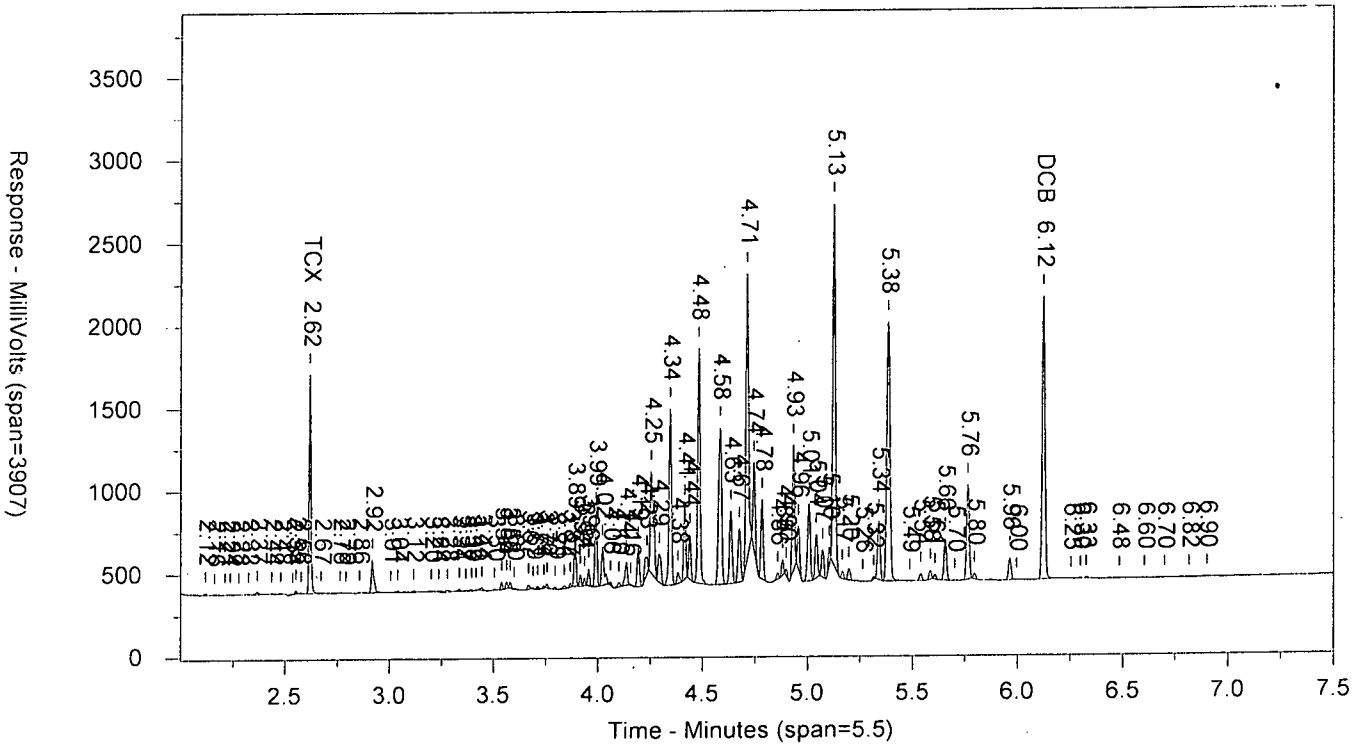

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Data Summary

Sample Name: 8998324 ACF DF5 A4609 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 06:36:48
Instrument	18274A
Result file	25PCBS17116016.071.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 100% (61 - 152) Conc: 27.89078
%SSR(DCB) 106% (48 - 164) Conc: 29.69934

Analysis Report (B)

Injected on	May 22, 2017 06:36:48
Instrument	18274B
Result file	25PCBS17116016B.071.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 28.28164
%SSR(DCB) 108% (48 - 164) Conc: 30.20692

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	817106	27.89078
Decachlorobiphenyl	6.61	6.63	6.67	620527	29.69934

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1128824	28.28164
Decachlorobiphenyl	6.10	6.12	6.16	1492499	30.20692

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.89078				1.39	
☑ Decachlorobiphenyl	B	30.20692				1.69	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.95**	
4.76	4.78	4.80	510836.1	503.861114			1
5.05	5.07	5.09	323339.5	550.4402			2
5.23	5.25	5.27	363318.9	526.883032			3
5.40	5.41	5.44	390444.7	519.61932			4
5.63	5.65	5.67	1163763	571.23625			5
5.83	5.85	5.87	702087.3	564.237313			6

Height summation: **3453789.5**
Concentration CF: **539.379538** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.57**	
4.33	4.35	4.37	1162459	528.150545			1
4.47	4.48	4.51	1503739	596.434497			2
4.57	4.59	4.61	1070350	494.549644			3
4.92	4.93	4.96	898377.1	518.070694			4
5.11	5.13	5.15	2584452	604.354816			5
5.37	5.39	5.41	1713495	668.012914			6

Height summation: **8932872.1**
Concentration CF: **568.262185** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<243.3206	<47.2328			4	
☑ PCB-1221			<243.3206	<72.9962			3	
☑ PCB-1232			<243.3206	<58.6832			4	
☑ PCB-1242			<243.3206	<58.6832			4	
☑ PCB-1248			<243.3206	<47.2328			4	
☑ PCB-1254			<243.3206	<62.9771			4	
☑ PCB-1260	B	568.262185	243.3206	55.8206		5.22	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998324** ACF DF5 A4609 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:36:48
Instrument : CP25--18274A
Result file : 25PCBS17116016.071.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 100% (61-152) Conc.: 27.89078 Boos
%SSR(DCB) : 106% (48-164) Conc.: 29.69934

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**37.82**	
3.18	3.20	3.22	1136.381	2.327995			1
+ 3.40	3.40	3.44	693.8444	1.497583			2
3.40	3.42	3.44	1952.729	4.214739			2
3.73	3.75	3.77	4715.458	6.612298			4
3.79	3.80	3.83	3796.897	5.960669			5
3.98	4.00	4.02	3249.931	7.229597			6
Height Summation:			**14851.396**				
Amount Avg CF:			**5.26906**	Linear:			
Aroclor-1221					**3**	**90.19**	
3.07	3.09	3.11	919.92	3.868864			1
3.13	3.14	3.17	2497.691	11.443116			2
3.18	3.20	3.22	1136.381	1.701096			3
Height Summation:			**4553.992**				
Amount Avg CF:			**5.671025**	Linear:			
Aroclor-1232					**5**	**52.90**	
3.18	3.20	3.22	1136.381	1.903747			1
3.40	3.42	3.44	1952.729	8.820385			2
3.74	3.75	3.78	4715.458	13.200985			4
3.79	3.80	3.83	3796.897	12.775587			5
+ 3.79	3.83	3.83	578.1386	1.945288			5
3.99	4.00	4.03	3249.931	16.725993			6
Height Summation:			**14851.396**				
Amount Avg CF:			**10.68534**	Linear:			
Aroclor-1242					**5**	**38.25**	
3.18	3.20	3.22	1136.381	2.74324			1
+ 3.40	3.40	3.44	693.8444	1.805596			2
3.40	3.42	3.44	1952.729	5.081601			2
3.73	3.75	3.77	4715.458	7.939854			4
3.79	3.80	3.83	3796.897	7.455834			5
3.98	4.00	4.02	3249.931	8.69108			6
Height Summation:			**14851.396**				
Amount Avg CF:			**6.382322**	Linear:			
Aroclor-1248					**5**	**202.29**	
3.79	3.80	3.83	3796.897	10.394667			1
3.86	3.87	3.90	6557.556	11.432667			2
3.98	4.00	4.02	3249.931	4.899596			3
4.07	4.08	4.11	7603.992	13.321932			4
4.64	4.66	4.68	224826.6	484.518755			6
Height Summation:			**246034.976**				
Amount Avg CF:			**104.913524**	Linear:			
Aroclor-1254					**6**	**115.10**	
4.24	4.25	4.28	96155.29	157.398687			1
+ 4.58	4.59	4.62	16869.93	23.26548			2
4.58	4.61	4.62	52674.37	72.643721			2
4.64	4.66	4.68	224826.6	160.355547			3
4.77	4.78	4.81	510836.1	1127.501498			4
4.86	4.87	4.89	151370.3	146.786132			5
5.05	5.07	5.09	323339.5	421.568724			6
Height Summation:			**1359202.16**				
Amount Avg CF:			**347.709052**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:36:48
Instrument : CP25--18274B
Result file : 25PCBS17116016B.071.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 101% (61-152) Conc.: 28.28164
%SSR(DCB) : 108% (48-164) Conc.: 30.20692

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**207.32**	
+ 2.89	2.89	2.93	1153.369	1.680356			1
2.89	2.92	2.93	154023.6	224.398654			1
3.22	3.24	3.26	2944.345	3.221454			2
3.41	3.44	3.45	6609.028	6.396879			3
3.49	3.51	3.53	6748.479	6.278491			4
3.65	3.67	3.69	8885.993	10.200781			5
+ 3.65	3.69	3.69	5413.062	6.213989			5
3.74	3.76	3.78	5504.741	6.916147			6
Height Summation:			**184716.186**				
Amount Avg CF:			**42.902068**	Linear:			
Aroclor-1221					**3**	**150.95**	
2.77	2.79	2.81	3418.021	9.597212			1
2.84	2.86	2.88	1311.815	5.964656			2
+ 2.89	2.89	2.93	1153.369	1.241917			3
2.89	2.92	2.93	154023.6	165.848516			3
Height Summation:			**158753.436**				
Amount Avg CF:			**60.470128**	Linear:			
Aroclor-1232					**6**	**159.46**	
+ 2.89	2.89	2.93	1153.369	1.343658			1
2.89	2.92	2.93	154023.6	179.435233			1
3.22	3.24	3.26	2944.345	6.826716			2
3.41	3.44	3.45	6609.028	14.25558			3
3.49	3.51	3.53	6748.479	14.095055			4
3.65	3.67	3.69	8885.993	24.09947			5
+ 3.65	3.69	3.69	5413.062	14.680625			5
3.75	3.76	3.79	5504.741	14.957154			6
Height Summation:			**184716.186**				
Amount Avg CF:			**42.278201**	Linear:			
Aroclor-1242					**6**	**198.20**	
+ 2.89	2.89	2.93	1153.369	2.006373			1
2.89	2.92	2.93	154023.6	267.935725			1
3.22	3.24	3.26	2944.345	4.033931			2
3.41	3.44	3.45	6609.028	7.964545			3
3.49	3.51	3.53	6748.479	7.970913			4
3.65	3.67	3.69	8885.993	12.553445			5
3.74	3.74	3.78	12470.59	18.423704			6
+ 3.74	3.76	3.78	5504.741	8.132552			6
Height Summation:			**191682.035**				
Amount Avg CF:			**53.147044**	Linear:			
Aroclor-1248					**6**	**152.01**	
3.41	3.44	3.45	6609.028	15.994305			1
3.52	3.54	3.56	12765.66	12.092867			2
3.65	3.67	3.69	8885.993	7.038319			3
+ 3.65	3.69	3.69	5413.062	4.287518			3
3.74	3.76	3.78	5504.741	5.708817			4
3.88	3.89	3.92	193655.3	99.868854			5
+ 4.24	4.25	4.28	227268.6	247.43073			6
4.24	4.27	4.28	240442.1	261.772917			6
Height Summation:			**467862.822**				
Amount Avg CF:			**67.079346**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998324** ACF DF5 A4609 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.48 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:36:48
Instrument : CP25--18274A
Result file : 25PCBS17116016.071.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	4.95	
4.76	4.78	4.80	510836.1	503.861114			1
5.05	5.07	5.09	323339.5	550.4402			2
5.23	5.25	5.27	363318.9	526.883032			3
5.40	5.41	5.44	390444.7	519.61932			4
5.63	5.65	5.67	1163763	571.23625			5
5.83	5.85	5.87	702087.3	564.237313			6
Height Summation:			**3453789.5**				
Amount Avg CF:			**539.379538**	Linear:			
Aroclor-1262					6	30.07	
5.23	5.25	5.27	363318.9	295.245613			1
5.40	5.41	5.44	390444.7	368.487818			2
5.63	5.65	5.67	1163763	426.028575			3
5.83	5.85	5.87	702087.3	418.975545			4
5.89	5.90	5.93	129274.4	168.29853			5
6.26	6.28	6.30	279802.4	282.17382			6
Height Summation:			**3028690.7**				
Amount Avg CF:			**326.534983**	Linear:			
Aroclor-1268					6	93.04	
5.83	5.85	5.87	702087.3	237.276719			1
5.89	5.90	5.93	129274.4	48.014065			2
6.03	6.04	6.07	19427.29	7.769191			3
+ 6.09	6.09	6.13	16162.99	24.847688			4
6.09	6.12	6.13	126431.2	194.365215			4
6.26	6.28	6.30	279802.4	263.99352			5
6.47	6.48	6.51	85216.09	9.791275			6
Height Summation:			**1342238.68**				
Amount Avg CF:			**126.868331**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:36:48
Instrument : CP25--18274B
Result file : 25PCBS17116016B.071.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	122.19	
4.18	4.19	4.22	91671.57	56.946242			1
+ 4.24	4.25	4.28	227268.6	76.897591			2
4.24	4.27	4.28	240442.1	81.354917			2
4.33	4.35	4.37	1162459	856.677141			3
+ 4.40	4.42	4.44	228569.2	115.665335			4
4.40	4.44	4.44	276838.6	140.09162			4
4.47	4.48	4.51	1503739	1372.353736			5
4.62	4.64	4.66	240099.3	166.561473			6
Height Summation:			**3515249.57**				
Amount Avg CF:			**445.664188**	Linear:			
Aroclor-1260					6	11.57	
4.33	4.35	4.37	1162459	528.150545			1
4.47	4.48	4.51	1503739	596.434497			2
4.57	4.59	4.61	1070350	494.549644			3
4.92	4.93	4.96	898377.1	518.070694			4
+ 4.92	4.96	4.96	211222.4	121.806461			4
5.11	5.13	5.15	2584452	604.354816			5
5.37	5.39	5.41	1713495	668.012914			6
Height Summation:			**8932872.1**				
Amount Avg CF:			**568.262185**	Linear:			
Aroclor-1262					6	32.55	
4.73	4.75	4.77	691653.6	249.550401			1
4.92	4.93	4.96	898377.1	327.750598			2
5.11	5.13	5.15	2584452	450.569534			3
5.33	5.34	5.36	411543.8	190.815115			4
5.37	5.39	5.41	1713495	457.668749			5
5.75	5.77	5.79	646711.8	300.763306			6
Height Summation:			**6946233.3**				
Amount Avg CF:			**329.519617**	Linear:			
Aroclor-1268					6	119.73	
5.33	5.34	5.37	411543.8	60.400738			1
5.37	5.39	5.41	1713495	258.587545			2
5.53	5.54	5.57	49247.14	8.542428			3
5.59	5.61	5.63	29684.18	20.910427			4
5.75	5.77	5.79	646711.8	269.327823			5
5.95	5.97	5.99	182006	8.890522			6
Height Summation:			**3032687.92**				
Amount Avg CF:			**104.443247**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			243.3206	47.2328		** 156.25	4	40	
Aroclor-1221			243.3206	72.9962		** 165.70	3	5	
Aroclor-1232			243.3206	58.6832		** 119.30	4	10	
Aroclor-1242			243.3206	58.6832		** 157.11	4	30	
Aroclor-1248			243.3206	47.2328		** 44.00	4	40	
Aroclor-1254			243.3206	62.9771		24.69	4	40	
Aroclor-1260			243.3206	55.8206		5.22	4	40	
Aroclor-1262			243.3206	47.2328		0.91	4	40	
Aroclor-1268			243.3206	47.2328		19.39	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998324ACF DF5 ACA4609 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:36:48 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.071.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.019		1335	1358
2.052		10070	13719
2.09		8399	10590
2.144		7813	5298
2.164		1187	1258
2.212		11280	7818
2.238		3308	3751
2.287		1443	1805
2.338		23269	17176
2.376		2193	1880
2.404		4764	3319
2.451		538	402
2.502		4926	5769
2.544		1368	1220
2.602		1289	1239
2.65		1058	625
2.663		10055	6281
2.697		433	243
2.718		575	323
2.751		2128	3369
2.79		21977	21752
2.89		911	752
2.913		2918	2371
2.944	TCX	817106	564876
3.052		2390	1562
3.091		920	613
3.14		2498	2333
3.197		1136	971
3.248		13023	7054
3.266		93527	60754
3.375		339	133
3.399		694	492
3.423		1953	2035
3.485		760	501
3.51		830	443
3.557		845	750
3.606		2598	1587
3.629		3049	2606
3.693		3868	2827
3.71		1073	434
3.748		4715	4105
3.802		3797	3869
3.83		578	386
3.875		6558	5485
3.912		10162	9861
3.943		453	209
3.96		1823	1848
3.999		3250	2313
4.055		3008	2097
4.081		7604	8829
4.129		1354	949
4.192		11301	9184
4.214		2190	1111
4.251		96155	92129

RT A	Compound A	Height A	Area A
4.295		20848	20173
4.363		29765	25137
4.406		153785	153680
4.44		41340	33651
4.479		3459	2516
4.501		5360	3767
4.543		47288	44952
4.595		16870	12123
4.611		52674	52087
4.656		224827	205253
4.705		186053	222266
4.741		48458	34200
4.781		510836	494342
4.826		15944	13802
4.866		151370	150153
4.901		6092	4234
4.927		118302	111842
4.979		714198	908542
5.03		108469	101361
5.07		323340	370755
5.112		10344	5855
5.148		74832	86723
5.182		912834	982125
5.224		13871	5738
5.25		363319	345844
5.292		261032	262134
5.328		980	915
5.386		126333	105808
5.411		390445	349908
5.466		242749	225276
5.505		144525	141620
5.547		20083	21898
5.588		140622	167470
5.645		1163763	1243350
5.731		1424	1481
5.762		739	562
5.791		1240	1122
5.849		702087	683634
5.878		52166	33612
5.904		129274	152583
6.015		3593	3952
6.041		19427	16916
6.091		16163	12246
6.12		126431	119356
6.156		758	513
6.275		279802	302827
6.32		19363	17480
6.407		1372	1742
6.48		85216	89087
6.534		441	120
6.564		1555	1912
6.629	DCB	620527	694419
6.689		1799	1468
6.722		490	92
6.738		579	317
6.784		1799	3766
6.833		2265	3394
6.911		5505	13209
6.967		641	538

LANCASTER LABORATORIES

Sample Number: 8998324ACF DF5 ACA4609 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:36:48 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.071.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.117		6093	4609
2.161		4112	5206
2.212		2095	3321
2.237		3142	3031
2.324		2580	2208
2.368		15732	11872
2.536		3365	1535
2.553		46818	38083
2.594		1586	659
2.62	TCX	1128824	702914
2.709		2341	3204
2.767		1145	1004
2.791		3418	1825
2.862		1312	2067
2.889		1153	882
2.918		154024	116684
2.957		1824	1353
3.041		3747	2918
3.114		3812	2993
3.157		1272	1888
3.188		2230	2023
3.214		2602	1513
3.24		2944	3584
3.276		6821	6234
3.337		7765	6404
3.367		2025	1413
3.388		5599	4851
3.437		6609	11779
3.506		6748	5021
3.541		12766	7697
3.565		22935	17630
3.671		8886	5856
3.691		5413	3155
3.716		5201	4343
3.742		12471	6654
3.758		5505	2969
3.797		6275	5361
3.841		10346	11161
3.872		5746	3181
3.892		193655	133662
3.917		21758	11527
3.937		18539	10458
3.957		86299	59053
3.992		299137	215975
4.024		84566	55080
4.041		20137	9767
4.063		6007	3518
4.103		13042	14193
4.137		69319	65944
4.166		11584	8486
4.194		91672	67347
4.236		107049	83313
4.255		227269	120111
4.268		240442	128255

RT B	Compound B	Height B	Area B
4.294		188066	189669
4.346		1162459	894662
4.385		35230	35688
4.416		228569	151456
4.44		276839	202293
4.483		1503739	1191389
4.539		3519	2697
4.585		1070350	1061947
4.636		240099	215541
4.677		340547	299526
4.713		1782396	1503536
4.746		691654	470999
4.785		544726	440745
4.861		31875	23728
4.884		116877	82034
4.901		35045	19210
4.935		898377	719588
4.958		211222	138792
5.008		523164	481342
5.044		294663	241871
5.073		193709	157109
5.106		69756	44599
5.128		2584452	2138248
5.169		57504	42010
5.2		80441	68007
5.264		3485	2369
5.319		20075	12664
5.342		411544	347697
5.386		1713495	1868656
5.542		49247	42997
5.587		59365	44415
5.609		29684	19611
5.659		284859	246286
5.766		646712	547405
5.797		39997	29717
5.965		182006	162702
6.124	DCB	1492499	1342636
6.301		4370	2980
6.329		10109	11003
6.394		1347	926
6.444		1201	1814
6.608		3293	6063
6.659		2220	3157
6.83		1534	3942
6.905		5295	9110

8998324ACF DF5 ACA4609 T 171390030A 10225 SW-846 8082

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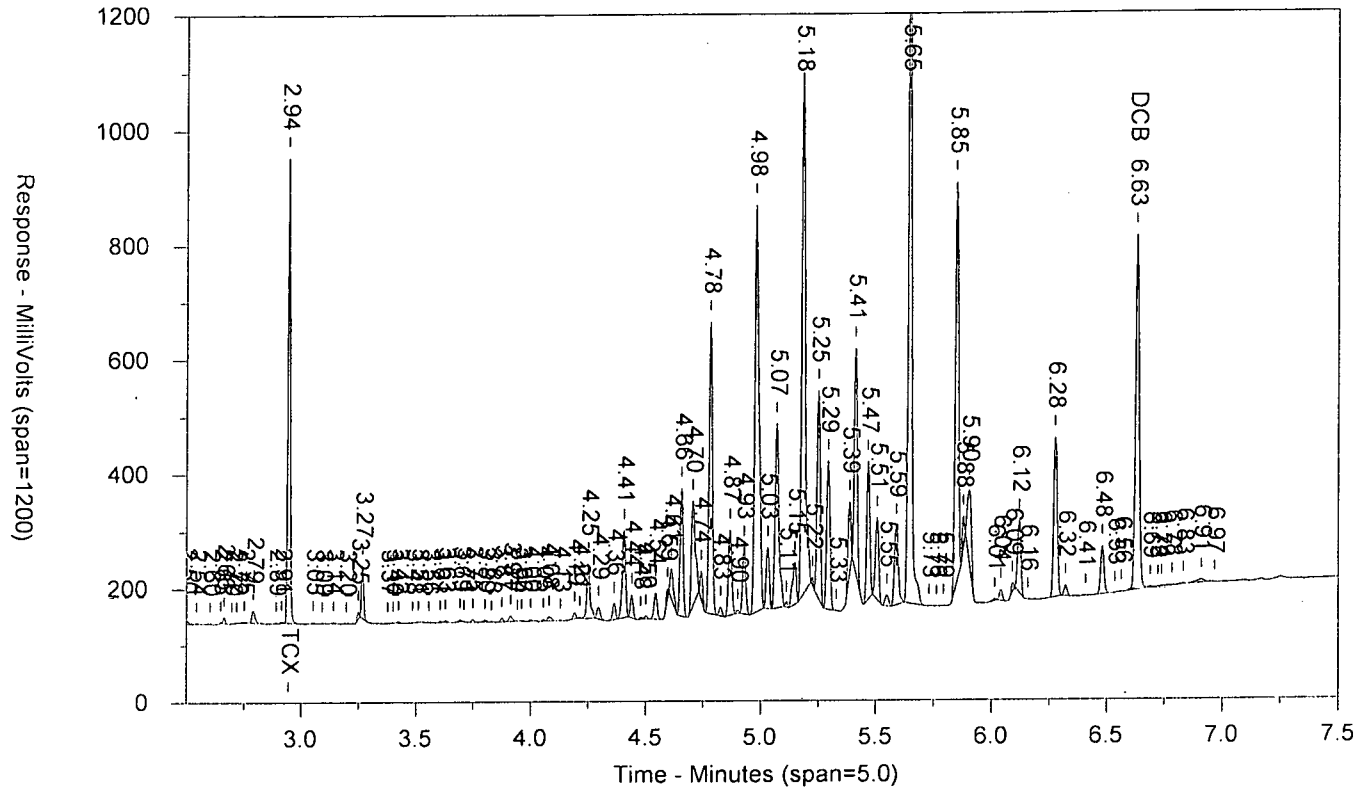

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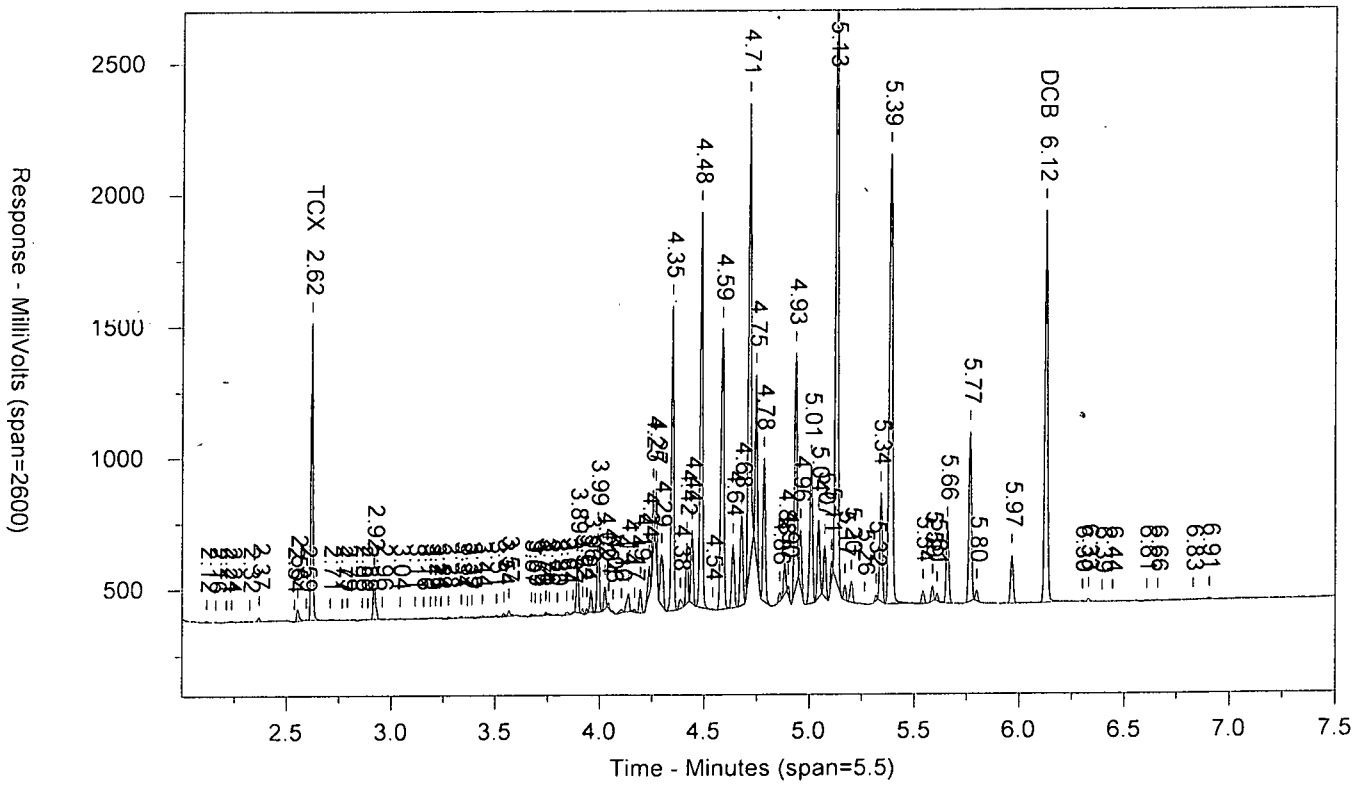

LANCASTER LABORATORIES

Sample Number: 8998324ACF DF5 ACA4609 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:36:48 AM
Sample Weight: 10.48
Instrument ID: CP25-18274
Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	817106	27.891	TCX	2.62	1128824	28.282	TCX
6.629	620527	29.699	DCB	6.124	1492499	30.207	DCB

Files:
Area File: 25pcbs17116016.071.RAW
Area File: 25pcbs17116016B.071.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 6:45:19 AM
File Reported On: 5/22/2017 at 6:45:28 AM

8998324ACF DF5 ACA4609 T 171390030A 10225 SW-846 8082

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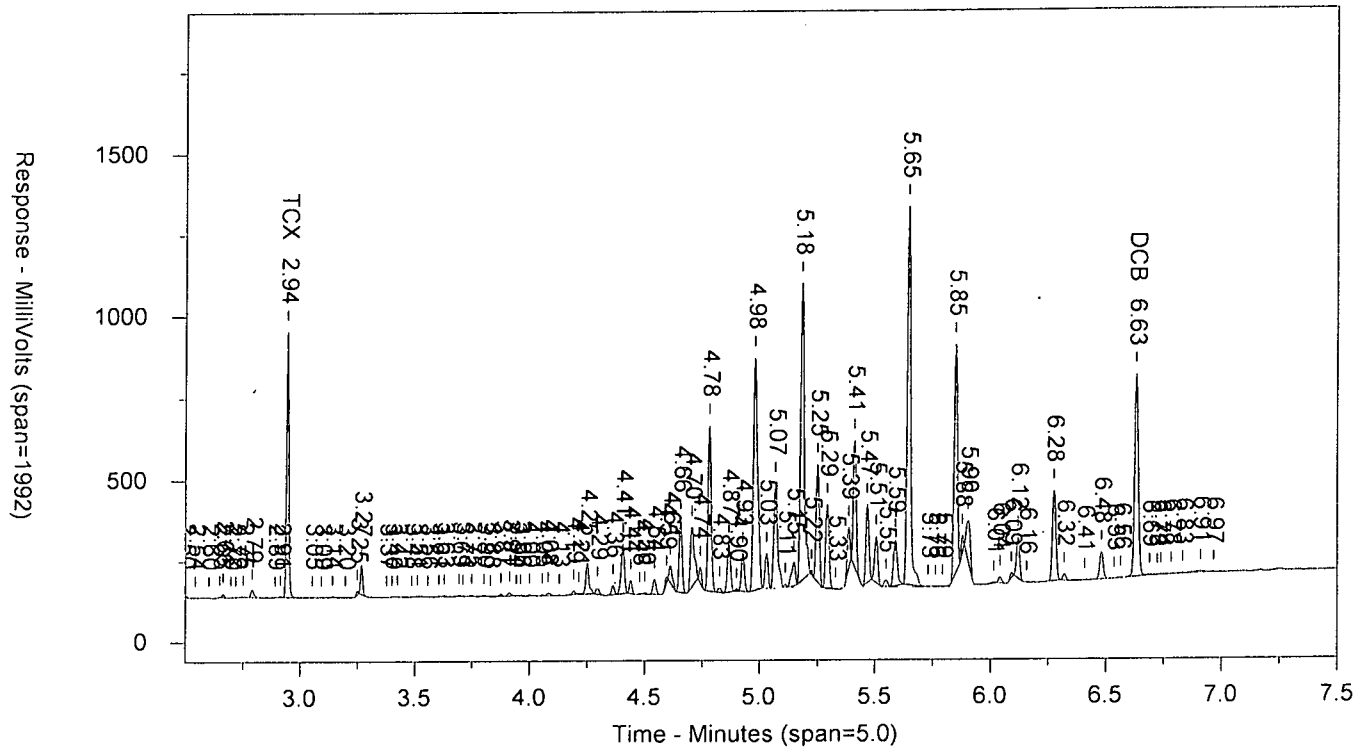

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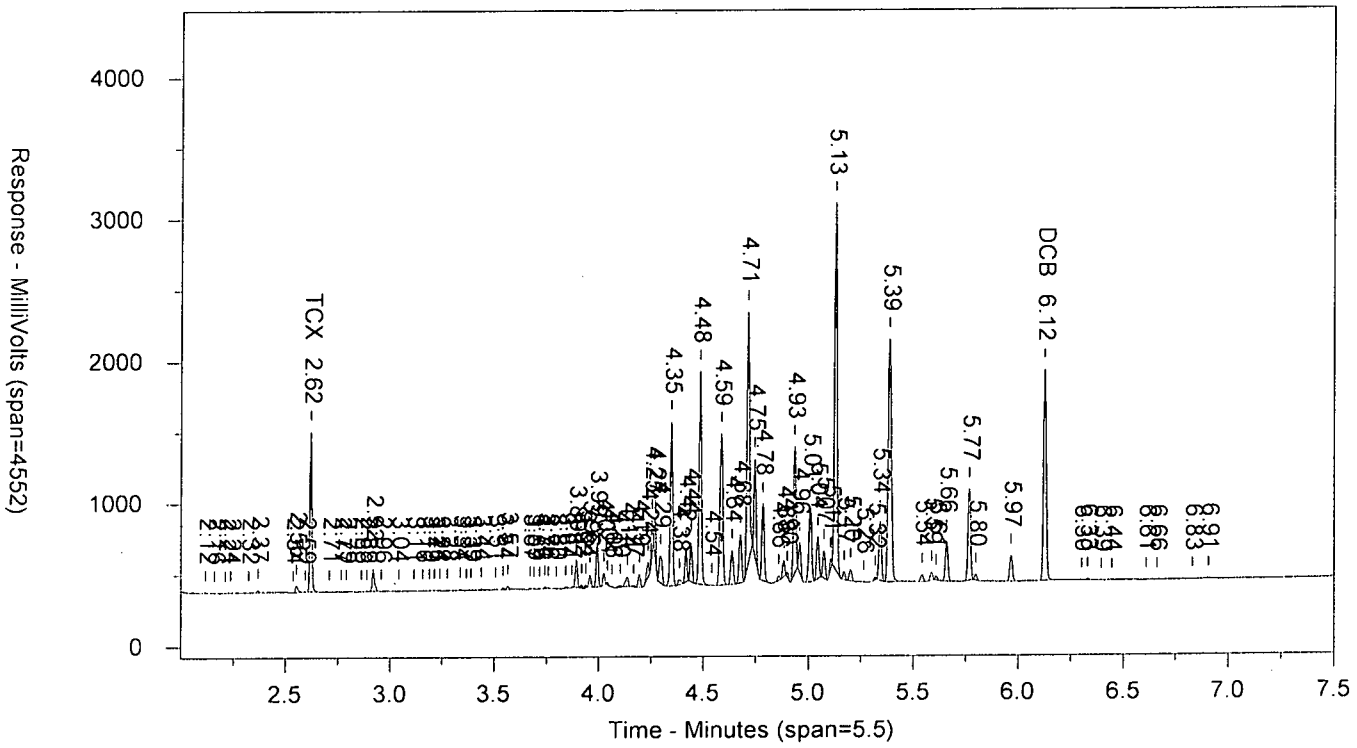

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Data Summary

Sample Name: 8998325 ACF DF10 A4610 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.27 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 06:48:08
Instrument	18274A
Result file	25PCBS17116016.072.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 28.65839
%SSR(DCB) 113% (48 - 164) Conc: 32.28229

Analysis Report (B)

Injected on	May 22, 2017 06:48:08
Instrument	18274B
Result file	25PCBS17116016B.072.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 100% (61 - 152) Conc: 28.38385
%SSR(DCB) 112% (48 - 164) Conc: 31.88547

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	411385	28.65839
Decachlorobiphenyl	6.61	6.63	6.67	330489	32.28229

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	555101	28.38385
Decachlorobiphenyl	6.10	6.13	6.16	771933	31.88547

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.65839				0.96	
☑ Decachlorobiphenyl	A	32.28229				1.24	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.75**	
4.76	4.78	4.80	1460836	2940.705672			1
5.05	5.07	5.09	1219090	4235.532172			2
5.23	5.25	5.27	1062007	3143.217518			3
5.40	5.41	5.44	1174838	3190.983643			4
5.63	5.65	5.67	3719234	3725.851595			5
5.83	5.85	5.87	2216242	3635.035873			6

Height summation: **10852247**
Concentration CF: **3478.554412** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.23**	
4.33	4.35	4.37	3887295	3604.528155			1
4.47	4.48	4.51	5138346	4159.436237			2
4.57	4.59	4.61	3542956	3340.955365			3
4.92	4.94	4.96	2919159	3435.650187			4
5.11	5.13	5.15	8731555	4167.119412			5
5.37	5.39	5.41	5459724	4344.037244			6

Height summation: **29679035**
Concentration CF: **3841.954433** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<496.592	<96.3973			4	
☑ PCB-1221			<496.592	<148.9776			3	
☑ PCB-1232			<496.592	<119.7663			4	
☑ PCB-1242			<496.592	<119.7663			4	
☑ PCB-1248			<496.592	<96.3973			4	
☑ PCB-1254			<496.592	<120.5297			4	
☑ PCB-1260	B	3841.954433	496.592	113.924		9.93	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist

Date: MAY 23 2017

Verified by:

Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998325** ACF DF10 A4610 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.27 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:48:08
Instrument : CP25--18274A
Result file : 25PCBS17116016.072.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 28.65839
%SSR(DCB) : 113% (48-164) Conc.: 32.28229

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**102.62**	
3.18	3.20	3.22	4425.962	18.504893			1
3.40	3.43	3.44	6587.023	29.016082			2
3.51	3.53	3.55	9902.313	34.432007			3
3.73	3.75	3.77	32697.83	93.57682			4
3.79	3.80	3.83	13359.65	42.803781			5
3.98	4.00	4.02	46765.91	212.319633			6
Height Summation:			**113738.688**				
Amount Avg CF:			**71.775536**	Linear:			
Aroclor-1221					**3**	**26.09**	
3.07	3.09	3.11	1952.961	16.762849			1
3.13	3.14	3.17	2416.549	22.595504			2
3.18	3.20	3.22	4425.962	13.521763			3
Height Summation:			**8795.472**				
Amount Avg CF:			**17.626705**	Linear:			
Aroclor-1232					**6**	**115.00**	
3.18	3.20	3.22	4425.962	15.132609			1
3.40	3.43	3.44	6587.023	60.723333			2
3.52	3.53	3.56	9902.313	69.383431			3
3.74	3.75	3.78	32697.83	186.819513			4
3.79	3.80	3.83	13359.65	91.741946			5
3.99	4.00	4.03	46765.91	491.210907			6
+ 3.99	4.02	4.03	13362.56	140.355127			6
Height Summation:			**113738.688**				
Amount Avg CF:			**152.501957**	Linear:			
Aroclor-1242					**6**	**102.22**	
3.18	3.20	3.22	4425.962	21.805619			1
3.40	3.43	3.44	6587.023	34.983933			2
3.51	3.53	3.55	9902.313	41.239204			3
3.73	3.75	3.77	32697.83	112.364307			4
3.79	3.80	3.83	13359.65	53.540609			5
3.98	4.00	4.02	46765.91	255.24063			6
Height Summation:			**113738.688**				
Amount Avg CF:			**86.52905**	Linear:			
Aroclor-1248					**6**	**198.21**	
3.79	3.80	3.83	13359.65	74.644479			1
3.86	3.88	3.90	94496.49	336.234336			2
3.98	4.00	4.02	46765.91	143.891914			3
4.07	4.09	4.11	53207.85	190.248881			4
4.25	4.27	4.29	49332.98	177.252255			5
4.64	4.66	4.68	1103374	4852.957418			6
Height Summation:			**1360536.88**				
Amount Avg CF:			**962.538214**	Linear:			
Aroclor-1254					**6**	**88.60**	
4.24	4.25	4.28	311894.9	1041.97436			1
+ 4.24	4.27	4.28	49332.98	164.810968			1
4.58	4.60	4.62	239834.4	675.042383			2
+ 4.58	4.61	4.62	43874.75	123.490691			2
4.64	4.66	4.68	1103374	1606.126977			3
4.77	4.78	4.81	1460836	6580.484106			4
4.86	4.87	4.89	865482.2	1712.865772			5
5.05	5.07	5.09	1219090	3243.890787			6
Height Summation:			**5200511.5**				
Amount Avg CF:			**2476.730731**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:48:08
Instrument : CP25--18274B
Result file : 25PCBS17116016B.072.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 100% (61-152) Conc.: 28.38385
%SSR(DCB) : 112% (48-164) Conc.: 31.88547

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**121.49**	
2.89	2.92	2.93	263986.2	784.937426			1
3.22	3.24	3.26	18572.87	41.472771			2
+ 3.41	3.42	3.45	25106.33	49.594627			3
3.41	3.45	3.45	38086.69	75.235814			3
3.49	3.51	3.53	27760.41	52.710373			4
3.65	3.67	3.69	100635.5	235.775949			5
+ 3.74	3.74	3.78	46641.29	119.596573			6
3.74	3.76	3.78	80263.53	205.809984			6
Height Summation:			**529305.2**				
Amount Avg CF:			**232.657053**	Linear:			
Aroclor-1221					**2**	**102.69**	
2.77	2.79	2.81	16063.84	92.053555			1
2.89	2.92	2.93	263986.2	580.131408			3
Height Summation:			**280050.04**				
Amount Avg CF:			**336.092481**	Linear:			
Aroclor-1232					**6**	**71.25**	
2.89	2.92	2.93	263986.2	627.657195			1
3.22	3.24	3.26	18572.87	87.88666			2
+ 3.41	3.42	3.45	25106.33	110.522666			3
3.41	3.45	3.45	38086.69	167.66459			3
3.49	3.51	3.53	27760.41	118.333465			4
3.65	3.67	3.69	100635.5	557.02357			5
+ 3.65	3.69	3.69	34370.8	190.244454			5
3.75	3.76	3.79	80263.53	445.093411			6
Height Summation:			**529305.2**				
Amount Avg CF:			**333.943149**	Linear:			
Aroclor-1242					**6**	**119.99**	
2.89	2.92	2.93	263986.2	937.228342			1
3.22	3.24	3.26	18572.87	51.932553			2
+ 3.41	3.42	3.45	25106.33	61.748643			3
3.41	3.45	3.45	38086.69	93.673644			3
3.49	3.51	3.53	27760.41	66.918911			4
3.65	3.67	3.69	100635.5	290.154283			5
+ 3.74	3.74	3.78	46641.29	140.631091			6
3.74	3.76	3.78	80263.53	242.007624			6
Height Summation:			**529305.2**				
Amount Avg CF:			**280.319226**	Linear:			
Aroclor-1248					**6**	**168.13**	
+ 3.41	3.42	3.45	25106.33	124.002906			1
3.41	3.45	3.45	38086.69	188.114321			1
3.52	3.54	3.56	173701.5	335.822977			2
3.65	3.67	3.69	100635.5	162.680329			3
+ 3.65	3.69	3.69	34370.8	55.561438			3
3.74	3.76	3.78	80263.53	169.882362			4
3.88	3.89	3.92	926034.1	974.64956			5
4.24	4.25	4.28	2239714	4976.541146			6
Height Summation:			**3558435.32**				
Amount Avg CF:			**1134.615116**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998325** ACF DF10 A4610 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.27 g Total Volume: 100 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 06:48:08
Instrument : CP25--18274A
Result file : 25PCBS17116016.072.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	13.75	
4.76	4.78	4.80	1460836	2940.705672			1
5.05	5.07	5.09	1219090	4235.532172			2
5.23	5.25	5.27	1062007	3143.217518			3
5.40	5.41	5.44	1174838	3190.983643			4
5.63	5.65	5.67	3719234	3725.851595			5
5.83	5.85	5.87	2216242	3635.035873			6
Height Summation:			**10852247**				
Amount Avg CF:			**3478.554412**	Linear:			
Aroclor-1262					6	31.77	
5.23	5.25	5.27	1062007	1761.34194			1
E 5.40	5.41	5.44	1174838	2262.884681			2
E 5.63	5.65	5.67	3719234	2778.743898			3
E 5.83	5.85	5.87	2216242	2699.203158			4
5.89	5.91	5.93	397998.8	1057.475681			5
6.26	6.28	6.30	867400.3	1785.27731			6
Height Summation:			**9437720.1**				
Amount Avg CF:			**2057.487778**	Linear:			
Aroclor-1268					6	95.84	
5.83	5.85	5.87	2216242	1528.628762			1
5.89	5.91	5.93	397998.8	301.68835			2
6.03	6.04	6.07	29032.6	23.695743			3
+ 6.09	6.09	6.13	62183.47	195.101258			4
6.09	6.12	6.13	362004.4	1135.79242			4
6.26	6.28	6.30	867400.3	1670.252901			5
6.47	6.48	6.51	186231.3	43.670802			6
Height Summation:			**4058909.4**				
Amount Avg CF:			**783.95483**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 06:48:08
Instrument : CP25--18274B
Result file : 25PCBS17116016B.072.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	92.85	
4.18	4.19	4.22	790791.9	1002.567101			1
4.24	4.25	4.28	2239714	1546.630947			2
4.33	4.35	4.37	3887295	5846.660397			3
4.40	4.42	4.44	1590291	1642.415171			4
+ 4.40	4.44	4.44	867133.6	895.555203			4
E 4.47	4.48	4.51	5138346	9570.569582			5
4.62	4.64	4.66	1597356	2261.55009			6
Height Summation:			**15243793.9**				
Amount Avg CF:			**3645.065548**	Linear:			
Aroclor-1260					6	11.23	
4.33	4.35	4.37	3887295	3604.528155			1
4.47	4.48	4.51	5138346	4159.436237			2
4.57	4.59	4.61	3542956	3340.955365			3
4.92	4.94	4.96	2919159	3435.650187			4
5.11	5.13	5.15	8731555	4167.119412			5
5.37	5.39	5.41	5459724	4344.037244			6
Height Summation:			**29679035**				
Amount Avg CF:			**3841.954433**	Linear:			
Aroclor-1262					6	34.75	
4.73	4.75	4.77	2127879	1566.885974			1
E 4.92	4.94	4.96	2919159	2173.518822			2
E 5.11	5.13	5.15	8731555	3106.746239			3
5.33	5.34	5.36	1306593	1236.396798			4
E 5.37	5.39	5.41	5459724	2976.185118			5
5.75	5.77	5.79	2022164	1919.337169			6
Height Summation:			**22567074**				
Amount Avg CF:			**2163.178353**	Linear:			
Aroclor-1268					6	125.69	
5.33	5.34	5.37	1306593	391.369829			1
5.37	5.39	5.41	5459724	1681.575168			2
5.53	5.54	5.57	82594.01	29.239482			3
5.59	5.61	5.63	42400.35	60.957638			4
+ 5.59	5.63	5.63	9438.849	13.569934			4
5.75	5.77	5.79	2022164	1718.72995			5
5.95	5.97	5.99	410675.1	40.941219			6
Height Summation:			**9324150.46**				
Amount Avg CF:			**653.802214**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			496.592	96.3973		** 105.69	4	40	
Aroclor-1221			496.592	148.9776		** 180.07	3	5	
Aroclor-1232			496.592	119.7663		** 74.60	4	10	
Aroclor-1242			496.592	119.7663		** 105.65	4	30	
Aroclor-1248			496.592	96.3973		16.41	4	40	
Aroclor-1254			496.592	128.5297		38.17	4	40	
Aroclor-1260			496.592	113.924		9.93	4	40	
Aroclor-1262			496.592	96.3973	E	5.01	4	40	
Aroclor-1268			496.592	96.3973		18.10	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998325ACF DF10 ACA4610 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:48:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.072.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.022		901	672
2.054		10253	11257
2.091		3853	5181
2.145		15498	10237
2.213		69786	56990
2.29		815	797
2.34		2991	2509
2.379		1848	1482
2.401		1535	2034
2.454		390	139
2.502		2069	3207
2.55		515	448
2.576		788	562
2.6		5486	3915
2.648		7894	4435
2.664		34598	21234
2.753		2449	4444
2.819		2176	1453
2.889		841	541
2.915		1107	882
2.945	TCX	411385	286317
2.998		530	633
3.052		9765	6784
3.093		1953	2070
3.139		2417	2527
3.197		4426	3819
3.249		110676	64026
3.267		149765	88504
3.337		581	471
3.425		6587	13080
3.485		4124	4520
3.531		9902	7176
3.567		1381	1127
3.606		11925	8630
3.639		1222	1142
3.656		1000	589
3.711		2504	1342
3.72		6904	3320
3.752		32698	32924
3.805		13360	11322
3.845		4657	3415
3.876		94496	71454
3.903		32097	23597
3.925		60655	37769
4		46766	35302
4.024		13363	8873
4.056		27325	19617
4.088		53208	60979
4.135		15913	15640
4.164		6121	4746
4.192		8737	5276
4.214		16531	10195
4.25		311895	240844
4.268		49333	23640

RT A	Compound A	Height A	Area A
4.294		168263	150210
4.364		145152	124532
4.406		719699	758301
4.44		325540	272439
4.481		29744	21122
4.503		36048	25572
4.544		265352	256564
4.595		239834	176698
4.611		43875	18792
4.625		84529	49771
4.656		1103374	975760
4.705		538144	569279
4.741		159581	113481
4.782		1460836	1437167
4.827		108891	98375
4.867		865482	829796
4.9		21518	12791
4.928		358715	357503
4.98		2274993	2804060
5.031		299222	266738
5.068		1219090	1380351
5.113		69376	47134
5.15		191910	244801
5.184		3199421	3262756
5.224		41013	19895
5.251		1062007	977626
5.293		737904	742423
5.387		478265	386126
5.412		1174838	998543
5.468		633564	606463
5.506		383227	387652
5.548		51410	55997
5.587		486998	589739
5.646		3719234	3789010
5.732		4832	4880
5.763		1867	1236
5.8		2746	3294
5.85		2216243	2064297
5.88		129379	84821
5.905		397999	446995
5.946		1476	1221
6.015		11220	8359
6.04		29033	26920
6.091		62183	49585
6.119		362004	342542
6.155		1845	1124
6.182		1619	1247
6.229		344	558
6.275		867400	896828
6.321		60424	59392
6.364		3438	3693
6.409		1936	2828
6.446		585	174
6.479		186231	202291
6.565		438	948
6.629	DCB	330489	371539
6.687		5910	5201
6.735		1005	1103
6.775		2766	3805
6.832		1866	3314
6.882		905	1516
6.903		3790	6084
6.964		951	1261

LANCASTER LABORATORIES

Sample Number: 8998325ACF DF10 ACA4610 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:48:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.072.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.117		2955	3754
2.162		8931	6390
2.236		2279	3192
2.324		8642	8529
2.369		59043	48946
2.468		2211	2722
2.496		2720	2923
2.545		1763	2175
2.572		1316	956
2.621	TCX	555101	354615
2.768		937	1075
2.793		16064	9560
2.819		2146	1761
2.883		1802	1236
2.919		263986	297644
3.043		6358	3820
3.116		10907	13724
3.163		1167	733
3.189		6031	3648
3.212		2526	1830
3.237		18573	16798
3.276		22905	16122
3.336		4963	7016
3.397		29654	23883
3.417		25106	12260
3.447		38087	39329
3.507		27760	21388
3.541		173702	110145
3.565		139607	77479
3.583		138947	77204
3.669		100636	66368
3.692		34371	18232
3.713		59900	45550
3.743		46641	24702
3.759		80264	48459
3.797		39978	32464
3.842		45731	45102
3.871		65537	40270
3.893		926034	625346
3.918		198738	117662
3.938		146657	80788
3.957		282185	177999
3.992		1543682	1040901
4.024		738549	646044
4.063		53155	31361
4.103		80719	64066
4.138		448293	358985
4.16		31804	30417
4.195		790792	590305
4.229		391410	376878
4.255		2239714	2272046
4.294		567072	551775
4.347		3887295	2970409
4.385		225483	190726

RT B	Compound B	Height B	Area B
4.417		1590291	1087467
4.441		867134	613427
4.484		5138346	4045233
4.538		10439	7229
4.586		3542956	3440543
4.636		1597356	1324203
4.677		1137329	963336
4.714		6583993	5432064
4.746		2127879	1418183
4.785		1656285	1288430
4.844		13365	7455
4.857		15876	9324
4.884		370203	251866
4.901		133237	76273
4.935		2919159	2205017
4.959		912074	614906
5.009		1599753	1442984
5.044		877187	698124
5.074		613384	478355
5.106		377471	225663
5.128		8731555	6855321
5.17		157192	114576
5.201		207288	174963
5.244		4772	3404
5.265		12408	8074
5.3		4681	3052
5.32		58065	35860
5.343		1306593	1054748
5.386		5459725	5789572
5.542		82594	71587
5.588		175626	137928
5.611		42400	26883
5.633		9439	4620
5.66		835324	725893
5.703		6274	5858
5.74		2849	1674
5.767		2022164	1706184
5.798		117254	91291
5.966		410675	368579
6.054		2065	2265
6.126	DCB	771933	679582
6.302		14688	11295
6.329		15855	14200
6.395		2280	1705
6.495		2042	3970
6.551		3043	3398
6.607		5623	6564
6.659		2256	5013
6.746		1595	2245
6.814		1239	1786
6.904		4813	5836
6.975		2363	2044

8998325ACF DF10 ACA4610 T 171390030A 10225 SW-846 8082

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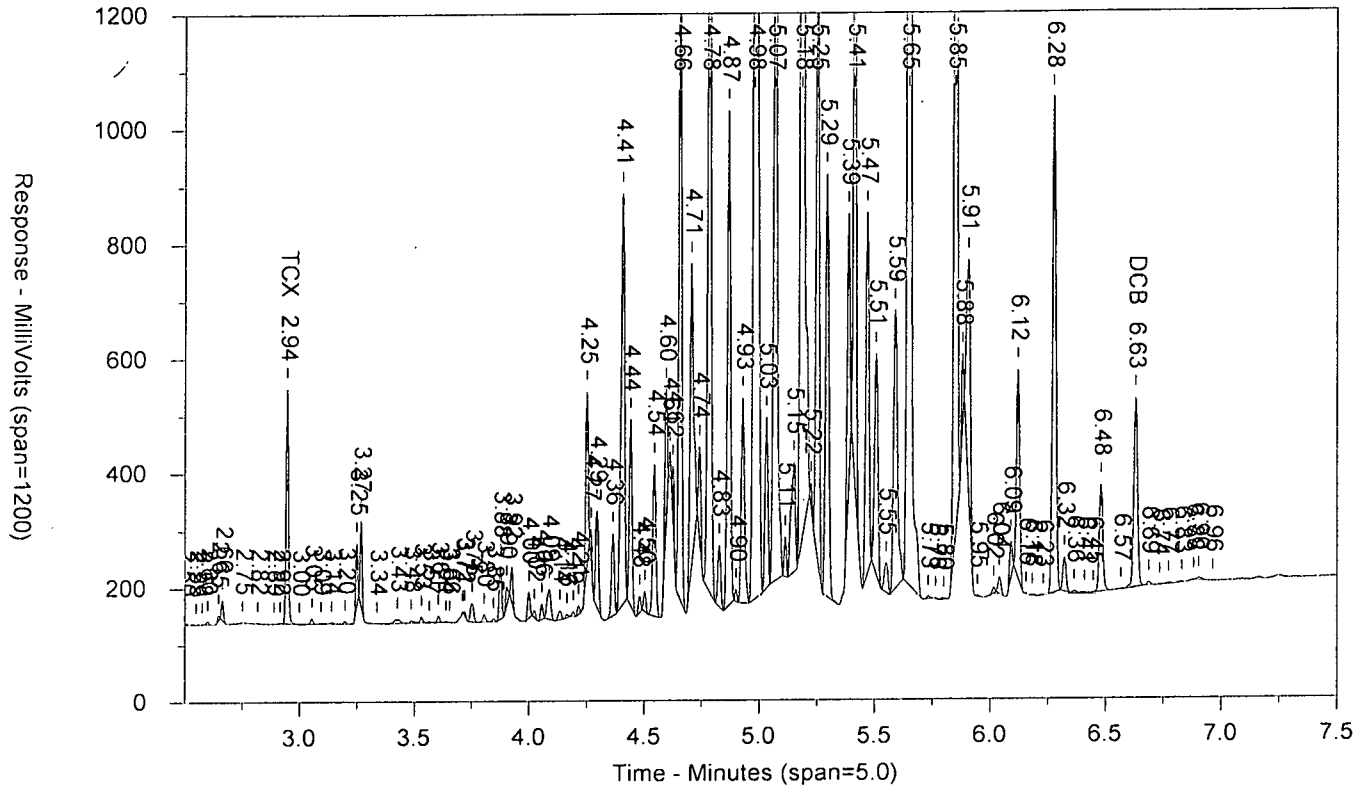

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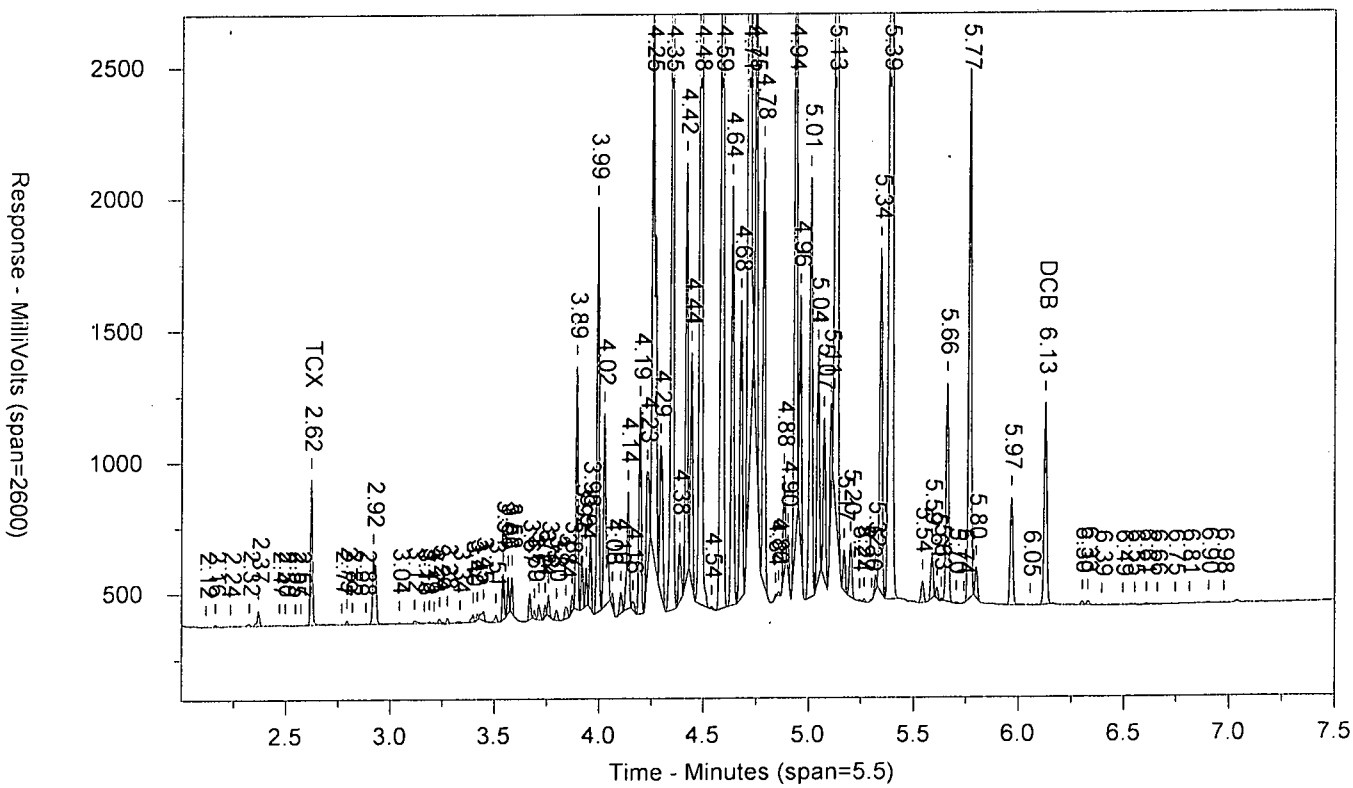

LANCASTER LABORATORIES

Sample Number: 8998325ACF DF10 ACA4610 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 6:48:08 AM Sample Weight: 10.27
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	411385	28.658	TCX	2.621	555101	28.384	TCX
6.629	330489	32.282	DCB	6.126	771933	31.885	DCB

Files:
Area File: 25pcbs17116016.072.RAW
Area File: 25pcbs17116016B.072.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 6:56:38 AM
File Reported On: 5/22/2017 at 6:56:48 AM

8998325ACF DF10 ACA4610 T 171390030A 10225 SW-846 8082

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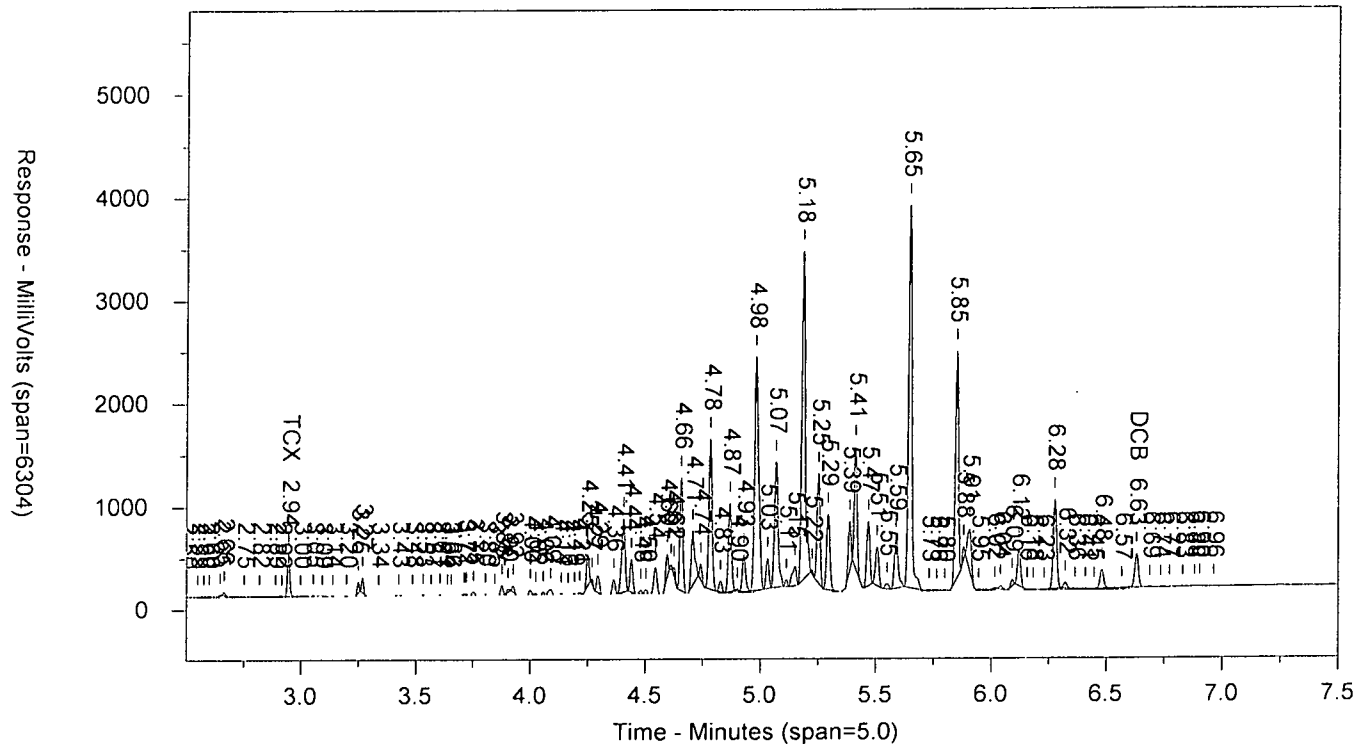

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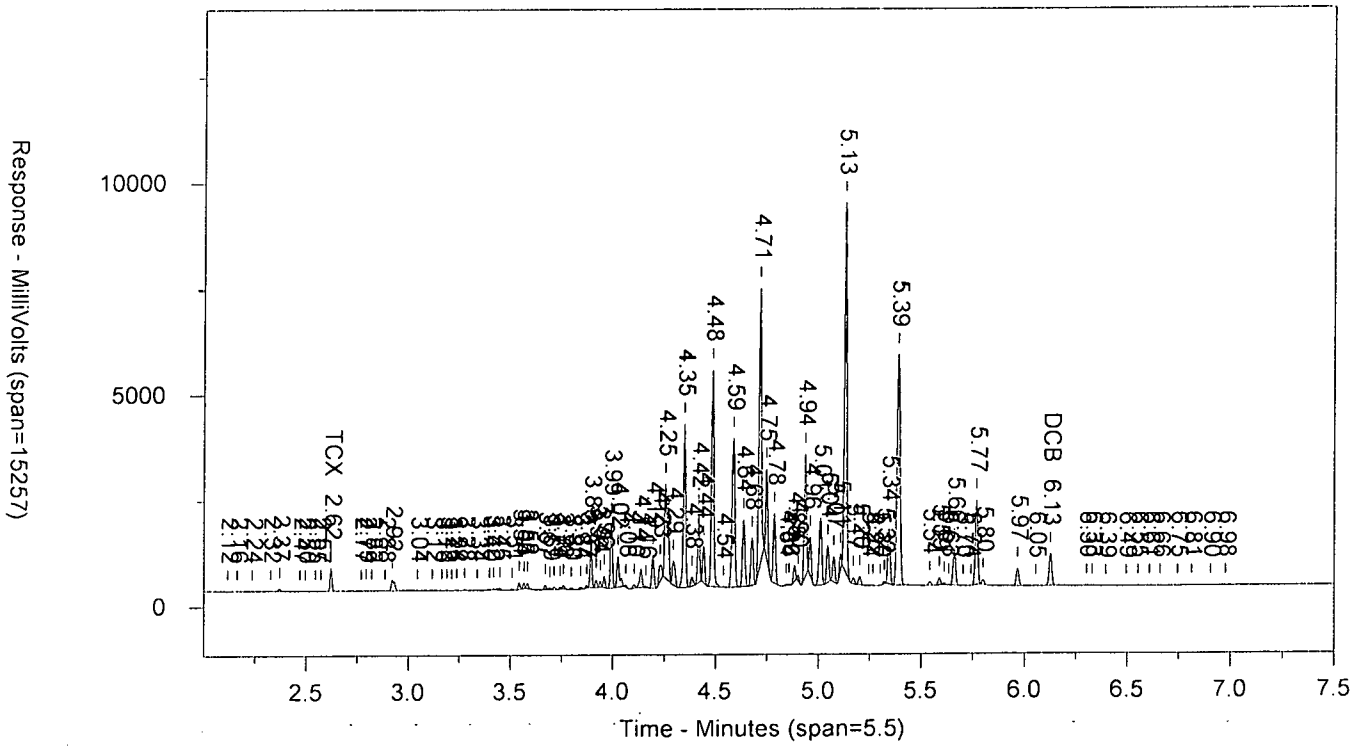

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Data Summary

Sample Name: 8998326 ACF DF100 A4611 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 07:10:51
Instrument	18274A
Result file	25PCBS17116016.074.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 110% (61 - 152) Conc: 30.62665
%SSR(DCB) 163% (48 - 164) Conc: 45.50956

Analysis Report (B)

Injected on	May 22, 2017 07:10:51
Instrument	18274B
Result file	25PCBS17116016B.074.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 118% (61 - 152) Conc: 32.97068
%SSR(DCB) 151% (48 - 164) Conc: 42.13382

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	44949	30.62665
Decachlorobiphenyl	6.61	6.63	6.67	47634	45.50956

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	65925	32.97068
Decachlorobiphenyl	6.10	6.13	6.16	104289	42.13382

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.62665				7.37	
☑ Decachlorobiphenyl	A	45.50956				7.70	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.29**	
4.76	4.78	4.80	935554.4	18420.452167			1
5.05	5.07	5.09	696096.3	23654.985485			2
5.23	5.25	5.27	655554.8	18977.421476			3
5.40	5.41	5.44	681708.7	18110.33875			4
5.63	5.65	5.67	2126829	20839.426694			5
5.83	5.85	5.87	1272265	20410.340247			6

Height summation: **6368008.2**
Concentration CF: **20068.82747** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.44**	
4.33	4.35	4.37	2296996	20832.543909			1
4.47	4.48	4.51	3023008	23934.897234			2
4.57	4.59	4.61	2078018	19166.171253			3
4.92	4.94	4.96	1668228	19203.824939			4
5.11	5.13	5.15	4593750	21443.360785			5
5.37	5.39	5.41	3237148	25192.226439			6

Height summation: **16897148**
Concentration CF: **21628.837427** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<4857.143	<942.8572			4	
☑ PCB-1221			<4857.143	<1457.1429			3	
☑ PCB-1232			<4857.143	<1171.4286			4	
☑ PCB-1242			<4857.143	<1171.4286			4	
☑ PCB-1248			<4857.143	<942.8572			4	
☑ PCB-1254			<4857.143	<1257.1429			4	
☑ PCB-1260	B	21628.837427	4857.143	1114.2857		7.48	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 23 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998326** ACF DF100 A4611 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 07:10:51
Instrument : CP25--18274A
Result file : 25PCBS17116016.074.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 110% (61-152) Conc.: 30.62665 pass
%SSR(DCB) : 163% (48-164) Conc.: 45.50956

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**71.12**	
3.18	3.20	3.22	1656.437	67.738405			1
3.40	3.43	3.44	3449.239	148.612048			2
3.51	3.53	3.55	2699.135	91.797624			3
3.73	3.75	3.77	15039.23	420.974799			4
3.79	3.80	3.83	6190.842	194.007232			5
3.98	4.00	4.02	9572.739	425.087298			6
Height Summation:			**38607.622**				
Amount Avg CF:			**224.702901**	Linear:			
Aroclor-1221					**3**	**35.08**	
3.07	3.09	3.11	996.5441	83.662711			1
3.13	3.15	3.17	1143.355	104.56556			2
3.18	3.20	3.22	1656.437	49.497322			3
Height Summation:			**3796.3361**				
Amount Avg CF:			**79.241865**	Linear:			
Aroclor-1232					**6**	**79.40**	
3.18	3.20	3.22	1656.437	55.393934			1
3.40	3.43	3.44	3449.239	311.007494			2
3.52	3.53	3.56	2699.135	184.980043			3
3.74	3.75	3.78	15039.23	840.446455			4
3.79	3.80	3.83	6190.842	415.818429			5
3.99	4.00	4.03	9572.739	983.458356			6
+ 3.99	4.02	4.03	3124.669	321.013854			6
Height Summation:			**38607.622**				
Amount Avg CF:			**465.184119**	Linear:			
Aroclor-1242					**6**	**70.76**	
3.18	3.20	3.22	1656.437	79.820936			1
3.40	3.43	3.44	3449.239	179.17767			2
3.51	3.53	3.55	2699.135	109.945986			3
3.73	3.75	3.77	15039.23	505.494216			4
3.79	3.80	3.83	6190.842	242.671676			5
3.98	4.00	4.02	9572.739	511.019862			6
Height Summation:			**38607.622**				
Amount Avg CF:			**271.355058**	Linear:			
Aroclor-1248					**6**	**213.14**	
3.79	3.80	3.83	6190.842	338.324523			1
3.86	3.88	3.90	22384.46	779.029943			2
3.98	4.00	4.02	9572.739	288.087466			3
4.07	4.09	4.11	23166.06	810.176648			4
4.25	4.27	4.29	35189.44	1236.653181			5
4.64	4.66	4.68	658866.3	28344.067513			6
Height Summation:			**755369.841**				
Amount Avg CF:			**5299.389879**	Linear:			
Aroclor-1254					**6**	**100.58**	
4.24	4.25	4.28	109243.7	3569.655495			1
+ 4.24	4.27	4.28	35189.44	1149.852832			1
+ 4.58	4.60	4.62	70760.46	1948.010789			2
4.58	4.61	4.62	100014.9	2753.375321			2
4.64	4.66	4.68	658866.3	9380.70697			3
4.77	4.78	4.81	935554.4	41219.86564			4
4.86	4.87	4.89	539606.7	10445.366159			5
5.05	5.07	5.09	696096.3	18116.776442			6
Height Summation:			**3039382.3**				
Amount Avg CF:			**14247.624338**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 07:10:51
Instrument : CP25--18274B
Result file : 25PCBS17116016B.074.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 118% (61-152) Conc.: 32.97068
%SSR(DCB) : 151% (48-164) Conc.: 42.13382

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**140.28**	
2.89	2.92	2.93	133112.2	3871.264258			1
3.22	3.24	3.26	4401.363	96.128545			2
3.41	3.43	3.45	19090.7	368.85391			3
3.49	3.51	3.53	12460.95	231.420863			4
3.65	3.67	3.69	24287.57	556.561937			5
+ 3.74	3.74	3.78	27367.48	686.379234			6
3.74	3.76	3.78	39789.51	997.925034			6
Height Summation:			**233142.293**				
Amount Avg CF:			**1020.359091**	Linear:			
Aroclor-1221					**2**	**111.88**	
2.77	2.79	2.81	5953.726	333.703823			1
2.89	2.92	2.93	133112.2	2861.173273			3
Height Summation:			**139065.926**				
Amount Avg CF:			**1597.438548**	Linear:			
Aroclor-1232					**6**	**80.90**	
2.89	2.92	2.93	133112.2	3095.567602			1
3.22	3.24	3.26	4401.363	203.709966			2
3.41	3.43	3.45	19090.7	821.998675			3
3.49	3.51	3.53	12460.95	519.534034			4
3.65	3.67	3.69	24287.57	1314.884403			5
+ 3.65	3.69	3.69	9076.703	491.396019			5
3.75	3.76	3.79	39789.51	2158.15506			6
Height Summation:			**233142.293**				
Amount Avg CF:			**1352.30829**	Linear:			
Aroclor-1242					**6**	**138.99**	
2.89	2.92	2.93	133112.2	4622.353917			1
3.22	3.24	3.26	4401.363	120.372972			2
3.41	3.43	3.45	19090.7	459.247905			3
3.49	3.51	3.53	12460.95	293.802365			4
3.65	3.67	3.69	24287.57	684.92495			5
+ 3.74	3.74	3.78	27367.48	807.098883			6
3.74	3.76	3.78	39789.51	1173.439026			6
Height Summation:			**233142.293**				
Amount Avg CF:			**1225.690189**	Linear:			
Aroclor-1248					**6**	**187.13**	
3.41	3.43	3.45	19090.7	922.256292			1
3.52	3.54	3.56	45694.73	864.080289			2
3.65	3.67	3.69	24287.57	384.015755			3
3.74	3.76	3.78	39789.51	823.720304			4
3.88	3.89	3.92	380740.7	3919.511656			5
4.24	4.26	4.28	1262401	27435.539762			6
Height Summation:			**1772004.21**				
Amount Avg CF:			**5724.85401**	Linear:			
Aroclor-1254					**6**	**97.57**	
4.18	4.20	4.22	316585.5	3925.756889			1
4.24	4.26	4.28	1262401	8526.535519			2
4.33	4.35	4.37	2296996	33791.055085			3
4.40	4.42	4.44	958806	9685.415009			4
+ 4.40	4.44	4.44	560585.8	5662.778624			4
4.47	4.48	4.51	3023008	55072.511359			5
4.62	4.64	4.66	835793.8	11574.03479			6
Height Summation:			**8693590.3**				
Amount Avg CF:			**20429.218108**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998326** ACF DF100 A4611 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.5 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 07:10:51
Instrument : CP25--18274A
Result file : 25PCBS17116016.074.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	10.29	
4.76	4.78	4.80	935554.4	18420.452167			1
5.05	5.07	5.09	696096.3	23654.985485			2
5.23	5.25	5.27	655554.8	18977.421476			3
5.40	5.41	5.44	681708.7	18110.33875			4
5.63	5.65	5.67	2126829	20839.426694			5
5.83	5.85	5.87	1272265	20410.340247			6
Height Summation:			**6368008.2**				
Amount Avg CF:			**20068.82747**	Linear:			
Aroclor-1262					6	30.25	
5.23	5.25	5.27	655554.8	10634.239654			1
5.40	5.41	5.44	681708.7	12842.938951			2
5.63	5.65	5.67	2126829	15542.065561			3
5.83	5.85	5.87	1272265	15155.738976			4
5.89	5.91	5.93	227807.8	5920.227015			5
6.26	6.28	6.30	528885.6	10647.042914			6
Height Summation:			**5493050.9**				
Amount Avg CF:			**11790.375512**	Linear:			
Aroclor-1268					6	96.44	
5.83	5.85	5.87	1272265	8583.0881			1
5.89	5.91	5.93	227807.8	1688.987795			2
6.03	6.04	6.07	14797.77	118.13044			3
+ 6.09	6.09	6.13	37336.78	1145.784973			4
6.09	6.12	6.13	219584.3	6738.566938			4
6.26	6.28	6.30	528885.6	9961.059947			5
6.47	6.48	6.51	111457.7	255.640532			6
Height Summation:			**2374798.17**				
Amount Avg CF:			**4557.578959**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 07:10:51
Instrument : CP25--18274B
Result file : 25PCBS17116016B.074.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.44	
4.33	4.35	4.37	2296996	20832.543909			1
4.47	4.48	4.51	3023008	23934.897234			2
4.57	4.59	4.61	2078018	19166.171253			3
4.92	4.94	4.96	1668228	19203.824939			4
5.11	5.13	5.15	4593750	21443.360785			5
5.37	5.39	5.41	3237148	25192.226439			6
Height Summation:			**16897148**				
Amount Avg CF:			**21628.837427**	Linear:			
Aroclor-1262					6	32.09	
4.73	4.75	4.77	1276629	9194.67355			1
4.92	4.94	4.96	1668228	12149.04681			2
5.11	5.13	5.15	4593750	15986.842201			3
5.33	5.34	5.36	769506.8	7122.150574			4
5.37	5.39	5.41	3237148	17259.688442			5
5.75	5.77	5.79	1198462	11126.032186			6
Height Summation:			**12743723.8**				
Amount Avg CF:			**12139.738961**	Linear:			
Aroclor-1268					6	126.56	
5.33	5.34	5.37	769506.8	2254.450073			1
5.37	5.39	5.41	3237148	9751.901291			2
5.53	5.54	5.57	48573.09	168.189161			3
5.59	5.61	5.63	19168.54	269.543504			4
5.75	5.77	5.79	1198462	9963.150331			5
5.95	5.97	5.99	246852.9	240.70315			6
Height Summation:			**5519711.33**				
Amount Avg CF:			**3774.656252**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4857.143	942.8572		** 127.81	4	40	
Aroclor-1221			4857.143	1457.1429		** 181.10	3	5	
Aroclor-1232			4857.143	1171.4286		** 97.62	4	10	
Aroclor-1242			4857.143	1171.4286		** 127.50	4	30	
Aroclor-1248			4857.143	942.8572		7.72	4	40	
Aroclor-1254			4857.143	1257.1429		35.65	4	40	
Aroclor-1260			4857.143	1114.2857		7.48	4	40	
Aroclor-1262			4857.143	942.8572		2.92	4	40	
Aroclor-1268			4857.143	942.8572		18.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998326ACF DF100 ACA4611 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 7:10:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.074.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.052		5496	7982
2.09		3657	5027
2.146		1197	768
2.213		37485	31306
2.339		1947	1564
2.379		1634	1486
2.503		2315	3522
2.552		472	413
2.572		641	403
2.602		4441	3282
2.649		980	546
2.664		13816	8860
2.702		538	417
2.757		2087	3534
2.816		668	579
2.851		420	237
2.913		1393	1112
2.944	TCX	44949	31460
3.052		3724	2413
3.094		997	861
3.146		1143	1299
3.196		1656	1182
3.25		26606	15472
3.268		76486	45408
3.425		3449	7124
3.485		2422	1925
3.531		2699	2092
3.557		858	860
3.607		6661	4355
3.628		1143	1039
3.658		500	285
3.698		698	237
3.711		3018	2112
3.75		15039	13535
3.805		6191	5445
3.844		2629	2135
3.876		22384	17257
3.914		3461	4162
3.925		20079	11233
3.999		9573	6996
4.025		3125	1897
4.056		13419	9894
4.088		23166	29866
4.137		11013	9510
4.165		9273	7201
4.193		9228	5865
4.215		9272	5826
4.252		109244	81904
4.269		35189	19543
4.296		122580	110779
4.364		96366	81574
4.406		377725	393233
4.441		219453	194198
4.481		26261	20285

RT A	Compound A	Height A	Area A
4.502		13680	9283
4.544		134524	134533
4.595		70760	50309
4.613		100015	133102
4.657		658866	591118
4.706		365134	407778
4.742		70553	48467
4.783		935554	894608
4.828		61767	55655
4.868		539607	530671
4.901		9299	5653
4.929		234646	236170
4.981		1362964	1688837
5.032		201566	182072
5.069		696096	786406
5.114		48397	31614
5.151		127959	153599
5.185		1863539	1916141
5.225		22124	10685
5.251		655555	611579
5.294		455435	449202
5.387		289034	232370
5.412		681709	584067
5.468		403009	369653
5.507		249545	238090
5.548		30560	32029
5.589		290617	338181
5.647		2126829	2170931
5.732		3772	3937
5.765		1448	796
5.798		2293	3083
5.85		1272265	1204169
5.88		89606	55334
5.905		227808	267444
6.017		7363	5727
6.043		14798	12291
6.093		37337	28642
6.121		219584	213534
6.157		2043	1405
6.184		1268	812
6.228		221	440
6.277		528886	538501
6.323		36590	35291
6.364		16308	17006
6.413		684	977
6.447		297	201
6.481		111458	120629
6.551		484	339
6.63	DCB	47634	54969
6.689		3754	3507
6.742		889	937
6.78		2369	3698
6.84		1779	3278
6.888		610	896
6.912		4421	5342
6.962		653	380

LANCASTER LABORATORIES

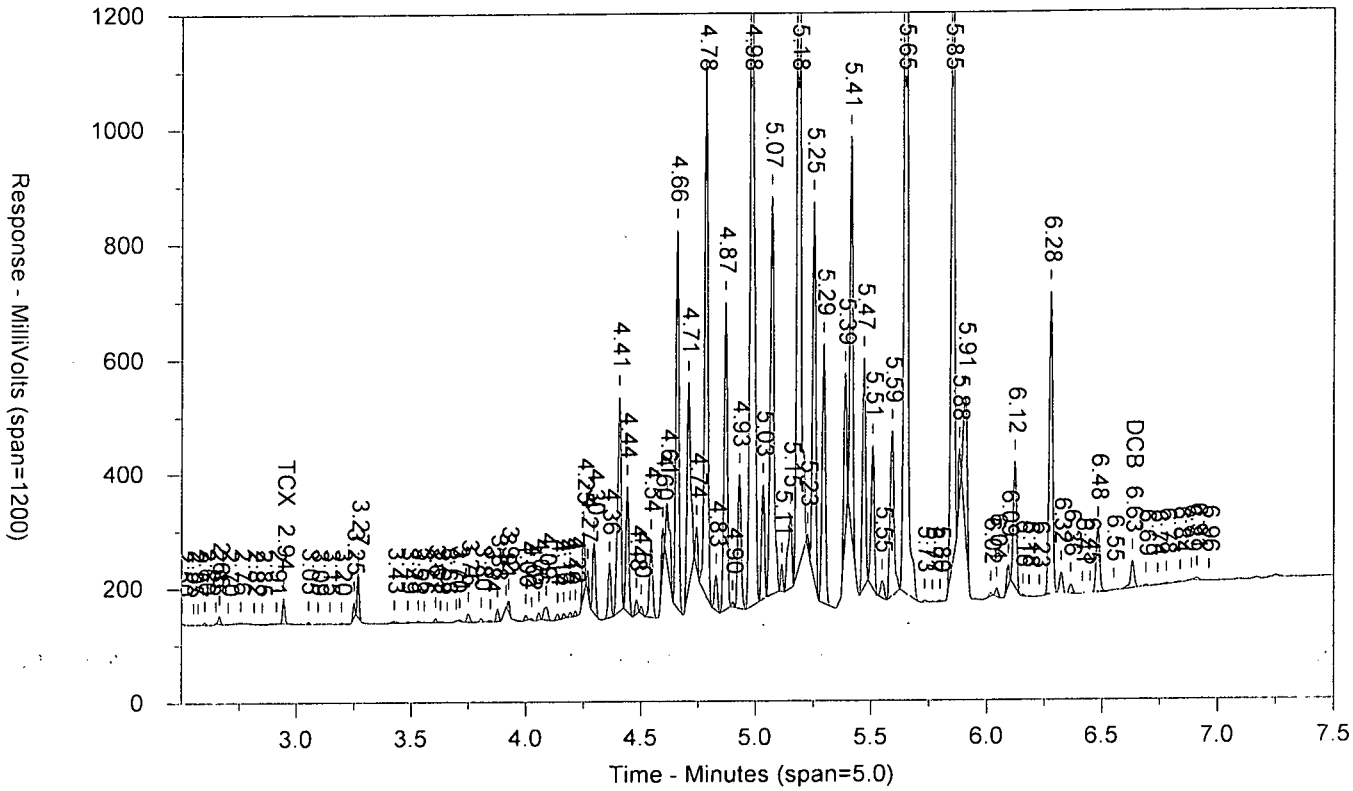
Sample Number: 8998326ACF DF100 ACA4611 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 7:10:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.074.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.162		7827	6398
2.208		1360	1321
2.326		2298	7331
2.368		20189	14840
2.478		2307	6677
2.571		879	785
2.621	TCX	65925	41528
2.716		2134	3587
2.793		5954	5676
2.919		133112	121389
3.042		3422	3239
3.116		4445	7560
3.188		3804	3261
3.239		4401	2482
3.276		12971	9045
3.339		2940	3986
3.366		1545	758
3.397		9075	8212
3.434		19091	26089
3.508		12461	12129
3.542		45695	28168
3.566		54954	31078
3.583		56924	30252
3.67		24288	16029
3.692		9077	4610
3.714		30792	22524
3.743		27367	14245
3.759		39790	28232
3.797		34038	25222
3.842		29793	28110
3.872		33892	21377
3.893		380741	252510
3.918		97327	56750
3.938		149712	86193
3.958		182549	119224
3.993		795794	557485
4.025		487152	390395
4.064		69879	47056
4.106		38640	32736
4.138		212106	171474
4.159		36640	25271
4.195		316586	244978
4.236		191433	215264
4.256		1262401	1371465
4.295		352468	347919
4.347		2296996	1851514
4.386		130501	117545
4.417		958806	664040
4.442		560586	403038
4.484		3023008	2389703
4.538		4603	2731
4.587		2078018	2024725
4.637		835794	723638
4.678		681868	594575

RT B	Compound B	Height B	Area B
4.714		3779499	3132842
4.747		1276629	867709
4.786		960196	774909
4.844		16146	18331
4.885		291926	343009
4.936		1668228	1288493
4.96		503498	345671
5.01		997012	867034
5.046		499510	411324
5.075		344044	275306
5.107		200974	122647
5.129		4593750	3868925
5.171		91602	66114
5.202		132430	107775
5.267		8951	6319
5.32		38765	22952
5.343		769507	638401
5.388		3237148	3395908
5.543		48573	43018
5.589		102742	80502
5.611		19169	11911
5.634		6303	3491
5.66		514513	458304
5.704		3938	2836
5.768		1198462	1001525
5.799		77790	54771
5.923		1502	1596
5.967		246853	226822
6.126	DCB	104289	94336
6.162		2021	2910
6.305		9124	8369
6.446		1529	2163
6.55		1120	1774
6.608		2312	2667
6.66		1842	2870
6.906		4426	7293
6.984		1211	1167

8998326ACF DF100 ACA4611 T 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.074.RAW



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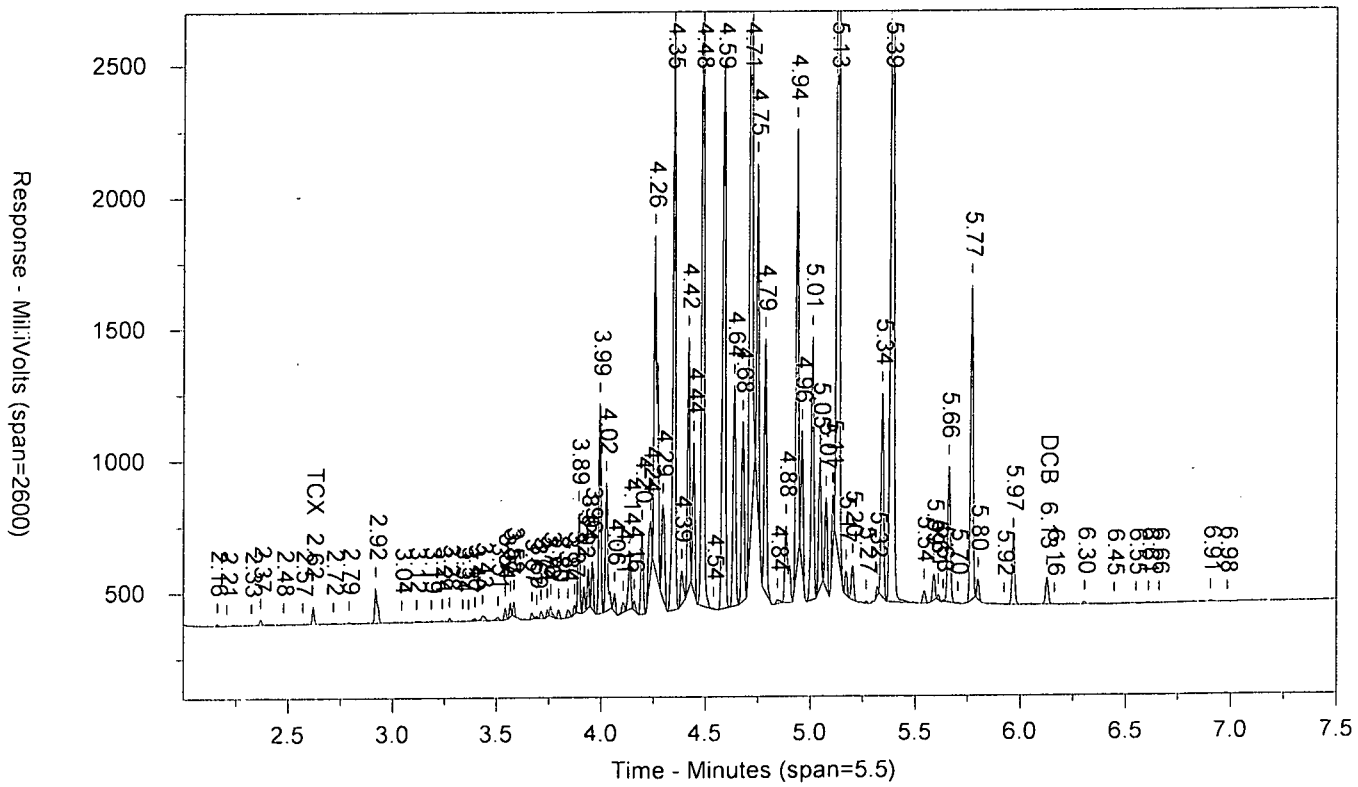

LANCASTER LABORATORIES

Sample Number: 8998326ACF DF100 ACA4611 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 7:10:51 AM
Sample Weight: 10.5
Dilution Factor: 1000
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	44949	30.627	TCX	2.621	65925	32.971	TCX
6.63	47634	45.51	DCB	6.126	104289	42.134	DCB

Files:
Area File: 25pcbs17116016.074.RAW
Area File: 25pcbs17116016B.074.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 7:19:22 AM
File Reported On: 5/22/2017 at 7:19:33 AM

8998326ACF DF100 ACA4611 T 171390030A 10225 SW-846 8082

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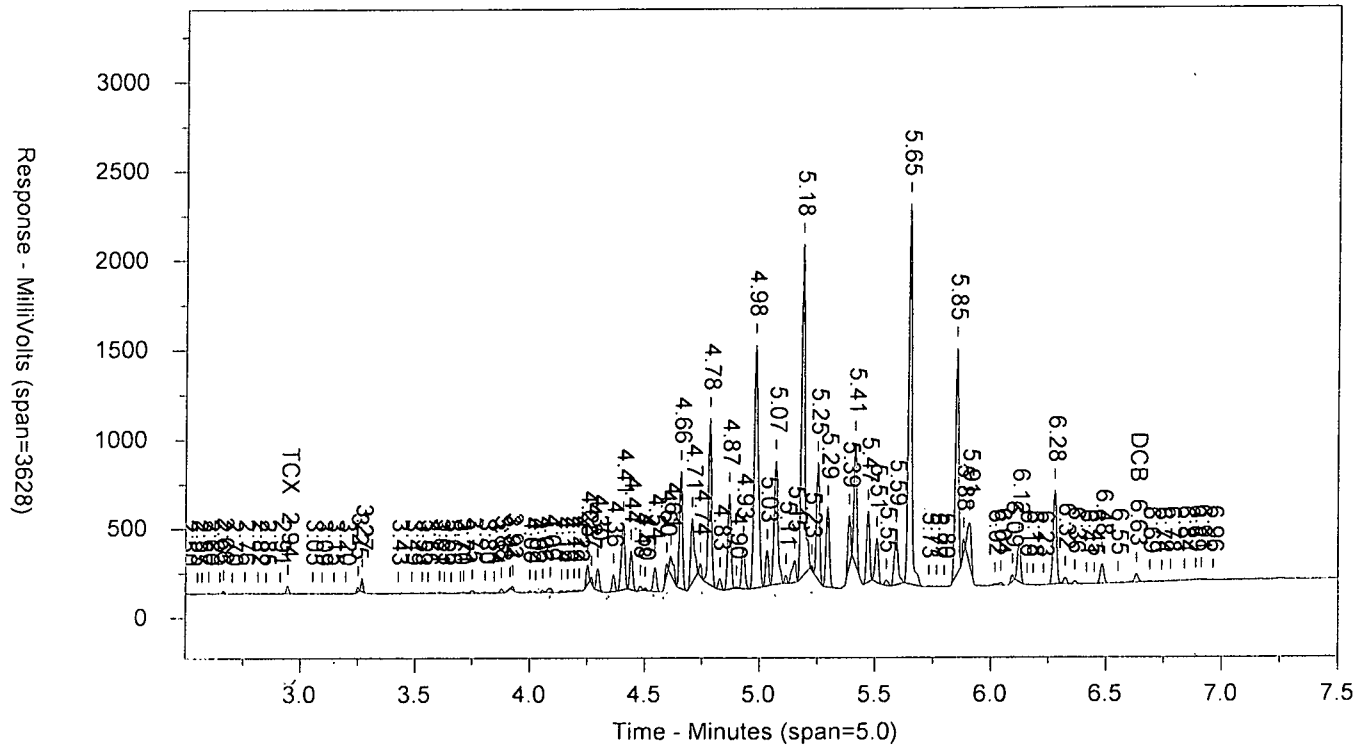

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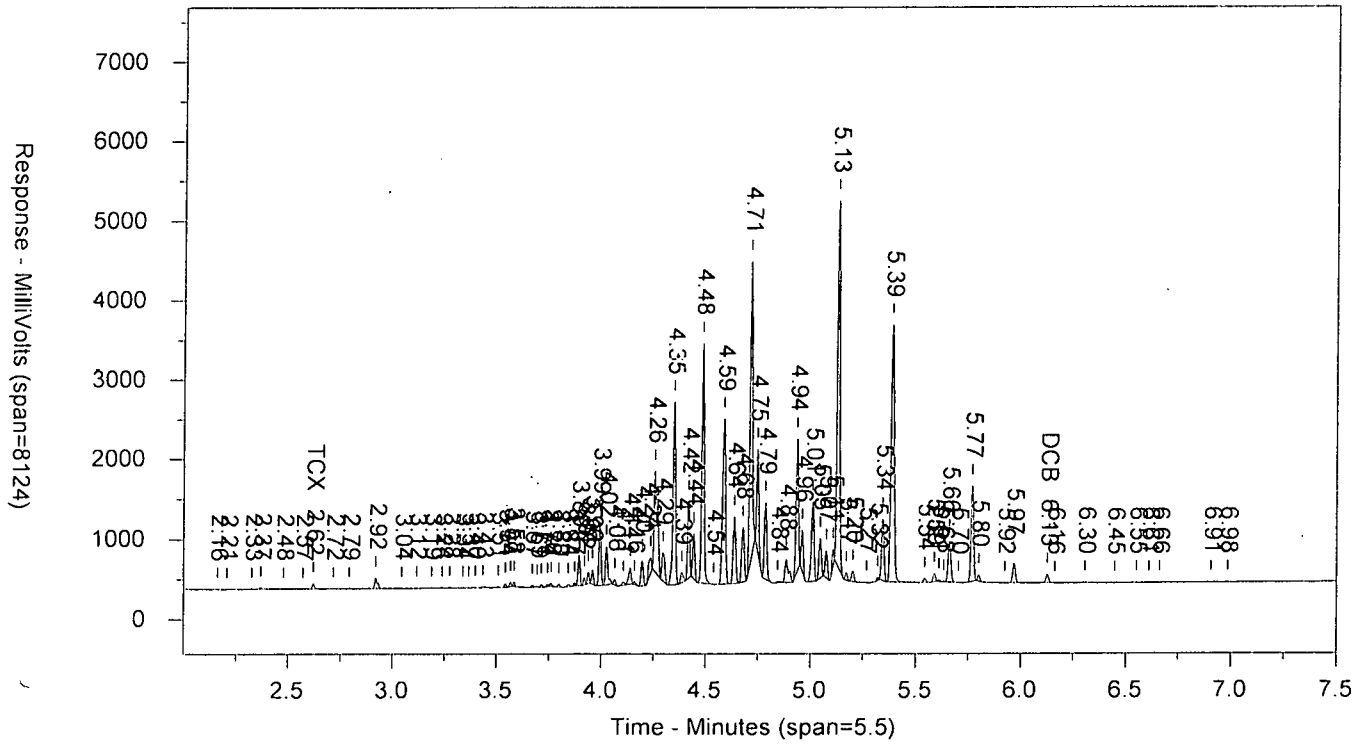

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Data Summary

Sample Name: 8998327 ACF DF20 A4612 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 16:42:05
Instrument	18274A
Result file	25PCBS17116017.008.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 108% (61 - 152) Conc: 30.87585
%SSR(DCB) 143% (48 - 164) Conc: 40.84888

Analysis Report (B)

Injected on	May 22, 2017 16:42:05
Instrument	18274B
Result file	25PCBS17116017B.008.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 110% (61 - 152) Conc: 31.50792
%SSR(DCB) 139% (48 - 164) Conc: 39.84481

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	220529	30.87585
Decachlorobiphenyl	6.61	6.63	6.67	208077	40.84888

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	306599	31.50792
Decachlorobiphenyl	6.10	6.13	6.16	479964	39.84481

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	30.87585				2.03	
☑ Decachlorobiphenyl	A	40.84888				2.49	

Multiple Component Data

Aroclor-1260 — %RSD 16.21

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	2885808	11675.273768			1
5.05	5.07	5.09	2502576	17474.672082			2
5.23	5.25	5.27	1995965	11872.700757			3
5.40	5.41	5.44	2319640	12662.420314			4
5.63	5.65	5.67	7432894	14965.096856			5
5.83	5.85	5.87	4511928	14873.159123			6

Height summation: **21648811**
Concentration CF: **13920.553817** L:

Aroclor-1260 — %RSD 14.17

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	7488398	13955.306666			1
4.47	4.48	4.51	10353220	16843.646266			2
4.57	4.59	4.61	7112525	13479.63908			3
4.92	4.94	4.96	5594299	13232.637198			4
5.11	5.13	5.15	18064650	17327.002848			5
5.37	5.39	5.41	11394130	18220.217834			6

Height summation: **60007222**
Concentration CF: **15509.741649** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<998.0431	<193.7378			4	
☑ PCB-1221			<998.0431	<299.4129			3	
☑ PCB-1232			<998.0431	<240.7045			4	
☑ PCB-1242			<998.0431	<240.7045			4	
☑ PCB-1248			<998.0431	<193.7378			4	
☑ PCB-1254			<998.0431	<258.317			4	
☑ PCB-1260	B	15509.741649	998.0431	228.9628		10.80	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: ~~MAY 22 2017~~ May 23 2017

Verified by:
Date: MAY 25 2017

(3) KBT 9665 5/23/17

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998327** ACF DF20 A4612 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 16:42:05
Instrument : CP25--18274A
Result file : 25PCBS17116017.008.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 30.87585 Rec
%SSR(DCB) : 143% (48-164) Conc.: 40.84888

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**85.40**	
3.18	3.20	3.22	7532.007	63.290592			1
+ 3.40	3.42	3.44	4710.767	41.705252			2
3.40	3.43	3.44	4777.252	42.293856			2
3.51	3.53	3.55	17839.33	124.667649			3
3.73	3.75	3.77	55433.11	318.836579			4
3.79	3.80	3.83	29039.62	186.993938			5
3.98	4.00	4.02	55262.28	504.242106			6
Height Summation:			**169883.599**				
Amount Avg CF:			**206.720787**	Linear:			
Aroclor-1221					**3**	**22.72**	
3.07	3.09	3.11	4061.186	70.057832			1
3.13	3.14	3.17	2700.029	50.739292			2
3.18	3.20	3.22	7532.007	46.247248			3
Height Summation:			**14293.222**				
Amount Avg CF:			**55.681457**	Linear:			
Aroclor-1232					**6**	**96.86**	
3.18	3.20	3.22	7532.007	51.756679			1
+ 3.40	3.42	3.44	4710.767	87.278563			2
3.40	3.43	3.44	4777.252	88.510362			2
3.52	3.53	3.56	17839.33	251.215948			3
3.74	3.75	3.78	55433.11	636.534713			4
3.79	3.80	3.83	29039.62	400.786737			5
+ 3.79	3.83	3.83	3285.534	45.344893			5
3.99	4.00	4.03	55262.28	1166.586522			6
+ 3.99	4.02	4.03	15372.78	324.519328			6
Height Summation:			**169883.599**				
Amount Avg CF:			**432.56516**	Linear:			
Aroclor-1242					**6**	**85.03**	
3.18	3.20	3.22	7532.007	74.579764			1
+ 3.40	3.42	3.44	4710.767	50.282935			2
3.40	3.43	3.44	4777.252	50.992599			2
3.51	3.53	3.55	17839.33	149.314406			3
3.73	3.75	3.77	55433.11	382.849632			4
3.79	3.80	3.83	29039.62	233.899179			5
3.98	4.00	4.02	55262.28	606.176032			6
Height Summation:			**169883.599**				
Amount Avg CF:			**249.635269**	Linear:			
Aroclor-1248					**6**	**205.75**	
3.79	3.80	3.83	29039.62	326.094208			1
3.86	3.88	3.90	97706.09	698.710969			2
3.98	4.00	4.02	55262.28	341.73176			3
4.07	4.09	4.11	96646.77	694.517651			4
4.25	4.27	4.29	107991.3	779.817059			5
E 4.64	4.66	4.68	2083868	18420.587772			6
Height Summation:			**2470514.06**				
Amount Avg CF:			**3543.57657**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:42:05
Instrument : CP25--18274B
Result file : 25PCBS17116017B.008.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 110% (61-152) Conc.: 31.50792
%SSR(DCB) : 139% (48-164) Conc.: 39.84481

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**89.35**	
2.89	2.92	2.93	241445.4	1442.853679			1
3.22	3.24	3.26	31438.44	141.089458			2
+ 3.41	3.42	3.45	10608.76	42.117789			3
3.41	3.43	3.45	56183.43	223.053574			3
3.49	3.51	3.53	58515.89	223.302492			4
3.65	3.67	3.69	124470.9	586.091827			5
+ 3.74	3.74	3.78	88688.02	457.048918			6
3.74	3.76	3.78	128503.9	662.237903			6
Height Summation:			**640557.96**				
Amount Avg CF:			**546.438156**	Linear:			
Aroclor-1221					**3**	**103.90**	
2.77	2.79	2.81	29982.21	345.306202			1
2.84	2.85	2.88	3851.579	71.832672			2
2.89	2.92	2.93	241445.4	1066.384031			3
Height Summation:			**275279.189**				
Amount Avg CF:			**494.507635**	Linear:			
Aroclor-1232					**6**	**57.22**	
2.89	2.92	2.93	241445.4	1153.744825			1
3.22	3.24	3.26	31438.44	298.988493			2
+ 3.41	3.42	3.45	10608.76	93.860376			3
3.41	3.43	3.45	56183.43	497.079569			3
3.49	3.51	3.53	58515.89	501.308494			4
3.65	3.67	3.69	124470.9	1384.64913			5
+ 3.65	3.69	3.69	44179.24	491.462231			5
3.75	3.76	3.79	128503.9	1432.183814			6
Height Summation:			**640557.96**				
Amount Avg CF:			**877.992388**	Linear:			
Aroclor-1242					**6**	**87.52**	
2.89	2.92	2.93	241445.4	1722.791293			1
3.22	3.24	3.26	31438.44	176.673407			2
+ 3.41	3.42	3.45	10608.76	52.439477			3
3.41	3.43	3.45	56183.43	277.716689			3
3.49	3.51	3.53	58515.89	283.495616			4
3.65	3.67	3.69	124470.9	721.265485			5
+ 3.74	3.74	3.78	88688.02	537.434194			6
3.74	3.76	3.78	128503.9	778.7116			6
Height Summation:			**640557.96**				
Amount Avg CF:			**660.109015**	Linear:			
Aroclor-1248					**6**	**185.61**	
+ 3.41	3.42	3.45	10608.76	105.308347			1
3.41	3.43	3.45	56183.43	557.707419			1
3.52	3.54	3.56	180586.5	701.684143			2
3.65	3.67	3.69	124470.9	404.390743			3
+ 3.65	3.69	3.69	44179.24	143.532952			3
3.74	3.76	3.78	128503.9	546.633052			4
3.88	3.89	3.92	1429390	3023.582302			5
E 4.24	4.26	4.28	4490372	20052.424925			6
Height Summation:			**6409506.73**				
Amount Avg CF:			**4214.403764**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998327** ACF DF20 A4612 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 16:42:05
Instrument : CP25--18274A
Result file : 25PCBS17116017.008.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	93.10	
4.24	4.25	4.28	436075.4	2927.924613			1
+ 4.24	4.27	4.28	107991.3	725.081913			1
4.58	4.60	4.62	363925.8	2058.647336			2
+ 4.58	4.61	4.62	75897.63	429.336018			2
4.64	4.66	4.68	2083868	6096.448085			3
E 4.77	4.78	4.81	2885808	26126.026206			4
4.86	4.87	4.89	1874342	7455.27334			5
5.05	5.07	5.09	2502576	13383.425143			6
Height Summation:			**10146595.2**				
Amount Avg CF:			**9674.624121**	Linear:			
Aroclor-1260					6	16.21	
4.76	4.78	4.80	2885808	11675.273768			1
5.05	5.07	5.09	2502576	17474.672082			2
5.23	5.25	5.27	1995965	11872.700757			3
5.40	5.41	5.44	2319640	12662.420314			4
5.63	5.65	5.67	7432894	14965.096856			5
5.83	5.85	5.87	4511928	14873.159123			6
Height Summation:			**21648811**				
Amount Avg CF:			**13920.553817**	Linear:			
Aroclor-1262					6	35.55	
E 5.23	5.25	5.27	1995965	6653.018976			1
E 5.40	5.41	5.44	2319640	8979.549931			2
E 5.63	5.65	5.67	7432894	11160.984411			3
E 5.83	5.85	5.87	4511928	11044.094056			4
5.89	5.91	5.93	710976.3	3796.586449			5
E 6.26	6.28	6.30	1640461	6785.808054			6
Height Summation:			**18611864.3**				
Amount Avg CF:			**8070.00698**	Linear:			
Aroclor-1268					6	97.32	
E 5.83	5.85	5.87	4511928	6254.556932			1
5.89	5.91	5.93	710976.3	1083.132143			2
6.03	6.04	6.07	52782.41	86.581113			3
+ 6.09	6.09	6.13	120707.2	761.145767			4
E 6.09	6.12	6.13	680016.6	4287.994057			4
E 6.26	6.28	6.30	1640461	6348.60227			5
6.47	6.48	6.51	340959.9	160.690921			6
Height Summation:			**7937124.21**				
Amount Avg CF:			**3036.926239**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:42:05
Instrument : CP25--18274B
Result file : 25PCBS17116017B.008.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	91.09	
4.18	4.20	4.22	1274549	3247.560999			1
4.24	4.26	4.28	4490372	6231.979209			2
E 4.33	4.35	4.37	7488398	22635.955471			3
4.40	4.42	4.44	3762866	7810.424583			4
+ 4.40	4.44	4.44	1659492	3444.538581			4
E 4.47	4.48	4.51	10353220	38756.042746			5
4.62	4.64	4.66	3605216	10258.534586			6
Height Summation:			**30974621**				
Amount Avg CF:			**14823.416266**	Linear:			
Aroclor-1260					6	14.17	
4.33	4.35	4.37	7488398	13955.306666			1
4.47	4.48	4.51	10353220	16843.646266			2
4.57	4.59	4.61	7112525	13479.63908			3
4.92	4.94	4.96	5594299	13232.637198			4
5.11	5.13	5.15	18064650	17327.002848			5
5.37	5.39	5.41	11394130	18220.217834			6
Height Summation:			**60007222**				
Amount Avg CF:			**15509.741649**	Linear:			
Aroclor-1262					6	40.31	
E 4.73	4.75	4.77	3661486	5418.728426			1
E 4.92	4.94	4.96	5594299	8371.453565			2
E 5.11	5.13	5.15	18064650	12917.940574			3
E 5.33	5.34	5.36	2492620	4740.489221			4
E 5.37	5.39	5.41	11394130	12483.028601			5
E 5.75	5.77	5.79	3967163	7567.710108			6
Height Summation:			**45174348**				
Amount Avg CF:			**8583.225082**	Linear:			
Aroclor-1268					6	127.92	
5.33	5.34	5.37	2492620	1500.557474			1
E 5.37	5.39	5.41	11394130	7053.039406			2
5.53	5.54	5.57	142687.9	101.521451			3
5.59	5.61	5.63	63286.5	182.860251			4
E 5.75	5.77	5.79	3967163	6776.740549			5
5.95	5.97	5.99	783947.5	157.072052			6
Height Summation:			**18843834.9**				
Amount Avg CF:			**2628.631864**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			998.043	193.7378		** 90.21	4	40	
Aroclor-1221			998.043	299.4129		** 159.52	3	5	
Aroclor-1232			998.043	240.7045		** 67.98	4	10	
Aroclor-1242			998.043	240.7045		** 90.24	4	30	
Aroclor-1248			998.043	193.7378	E	17.29	4	40	
Aroclor-1254			998.043	258.317	E	** 42.03	4	40	
Aroclor-1260			998.043	228.9628		10.80	4	40	
Aroclor-1262			998.043	193.7378	E	6.16	4	40	
Aroclor-1268			998.043	193.7378	E	14.41	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998327ACF DF20 AEA4612 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:42:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.02		890	812
2.053		11368	13554
2.09		3774	4771
2.144		3874	2694
2.212		81700	64557
2.287		1378	1463
2.339		3423	2769
2.375		1771	1178
2.396		3318	3176
2.503		3046	3770
2.551		479	426
2.576		921	699
2.599		4661	3761
2.648		3808	2256
2.664		39969	25260
2.7		769	522
2.761		2001	3542
2.819		2139	1510
2.887		1346	1075
2.914		1672	1290
2.944	TCX	220529	157972
3.052		17144	12173
3.094		4061	4163
3.144		2700	3067
3.197		7532	5273
3.224		484	213
3.249		106678	65807
3.267		136496	80203
3.333		1267	1169
3.387		396	242
3.416		4711	2962
3.433		4777	4067
3.467		1065	656
3.485		7342	7619
3.531		17839	13098
3.568		988	471
3.582		1076	422
3.606		22994	16829
3.641		4611	6515
3.71		49426	55177
3.749		55433	49612
3.805		29040	22583
3.832		3286	1760
3.876		97706	75547
3.912		32316	33103
3.924		21717	11271
3.974		1147	609
4		55262	40730
4.024		15373	9944
4.056		36247	26411
4.088		96647	108575
4.132		18257	18016
4.164		3238	1711
4.177		3035	1415

RT A	Compound A	Height A	Area A
4.191		4594	2400
4.215		26088	16486
4.251		436075	317398
4.268		107991	54409
4.294		275969	236767
4.364		209504	186598
4.406		1147143	1204223
4.441		521285	441822
4.481		44207	31054
4.502		55742	41405
4.545		440941	424404
4.596		363926	261441
4.612		75898	31587
4.625		132542	82250
4.656		2083869	1836113
4.706		912966	1000621
4.741		288871	210715
4.782		2885808	2695407
4.828		207204	185334
4.868		1874342	1776720
4.9		35201	22176
4.929		643961	628460
4.98		4465429	5429264
5.032		495811	445298
5.068		2502576	2839077
5.113		138480	89811
5.15		379872	455568
5.184		6604020	7039803
5.251		1995965	1815972
5.293		1418801	1396995
5.332		10150	6913
5.388		962178	763823
5.412		2319641	1906475
5.469		1224539	1113728
5.507		735719	710262
5.549		90816	96363
5.588		949596	1133506
5.647		7432894	7522251
5.733		13458	14355
5.766		7195	4650
5.805		8044	10616
5.85		4511928	4127973
5.88		308257	196230
5.906		710976	785334
5.948		2794	2244
5.993		1858	1186
6.016		22254	16595
6.041		52782	47370
6.092		120707	98674
6.12		680017	630156
6.157		4976	3221
6.186		4098	3314
6.224		1740	1457
6.277		1640461	1677375
6.322		108483	108729
6.365		3514	3210
6.406		2805	3269
6.48		340960	358928
6.554		767	328
6.631	DCB	208077	233883
6.666		730	281
6.688		14789	13759
6.737		802	498
6.781		2457	3502
6.832		2608	3487
6.885		1797	4366

RT A	Compound A	Height A	Area A
6.912		3579	5036
6.965		1128	1003

LANCASTER LABORATORIES

Sample Number: 8998327ACF DF20 AEA4612 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:42:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.046		1887	2724
2.114		3578	5535
2.161		9014	7640
2.215		1095	1088
2.236		2675	2681
2.29		1160	1316
2.324		4969	5594
2.368		66076	55014
2.477		1301	2439
2.497		3107	2874
2.546		2092	2916
2.574		1530	903
2.596		1368	980
2.62	TCX	306599	193846
2.669		2382	2626
2.712		2997	4945
2.766		2339	1984
2.792		29982	20550
2.855		3852	5025
2.918		241445	294259
3.019		2241	1045
3.042		6816	4199
3.115		20638	26805
3.165		2305	1260
3.188		11673	6739
3.213		5848	3014
3.237		31438	26231
3.275		45633	30940
3.322		11005	6815
3.337		6490	3222
3.366		4258	3014
3.397		83780	67958
3.418		10609	4511
3.433		56183	66682
3.486		9364	4833
3.506		58516	36830
3.541		180587	116090
3.565		179196	103017
3.583		91657	47033
3.669		124471	85661
3.692		44179	23404
3.713		82716	58127
3.743		88688	47386
3.759		128504	78323
3.797		63510	55707
3.846		64388	70579
3.871		151784	93252
3.893		1429390	944039
3.919		424306	245828
3.938		185350	97057
3.957		419040	261995
3.993		2385190	1635043
4.025		1346143	1322367
4.104		121470	92150

RT B	Compound B	Height B	Area B
4.138		736812	611356
4.167		103542	78608
4.195		1274549	954027
4.235		614137	689691
4.256		4490372	4435240
4.295		1003476	1008902
4.347		7488399	5701672
4.385		442122	365124
4.417		3762867	2566392
4.441		1659492	1150227
4.484		10353220	7992066
4.539		74339	52360
4.586		7112525	6830403
4.636		3605216	2932643
4.677		2158511	1867797
4.715		14122550	11499620
4.747		3661486	2539955
4.785		3369601	2533437
4.844		30221	16706
4.858		11392	4743
4.885		739573	476111
4.902		289239	160849
4.936		5594299	4287490
4.96		1981667	1324292
5.009		3281016	2778277
5.045		1698729	1374090
5.074		1108607	904238
5.107		814562	483898
5.129		18064650	14198720
5.17		308064	216291
5.202		395328	327258
5.246		8357	5950
5.266		25962	18464
5.3		11768	7714
5.32		106007	65610
5.343		2492620	1979966
5.387		11394130	11910900
5.486		6870	9997
5.543		142688	119910
5.588		351613	276970
5.611		63287	37731
5.633		16672	8459
5.66		1697574	1408221
5.703		10371	9514
5.74		4200	2212
5.766		3967163	3344321
5.798		232207	169259
5.876		4269	4203
5.966		783948	660380
6.014		4656	3306
6.048		2612	3349
6.125	DCB	479964	416144
6.162		6568	6929
6.258		2506	1946
6.301		34147	25714
6.329		31296	25863
6.393		3524	3075
6.477		1455	1075
6.532		931	548
6.55		4131	4383
6.607		9497	12596
6.655		3194	3327
6.755		2646	1827
6.807		1812	2409
6.907		5511	6369
6.94		1855	1238

RT B	Compound B	Height B	Area B
6.976		4398	4836

8998327ACF DF20 AEA4612 T 171390030A 10225 SW-846 8082

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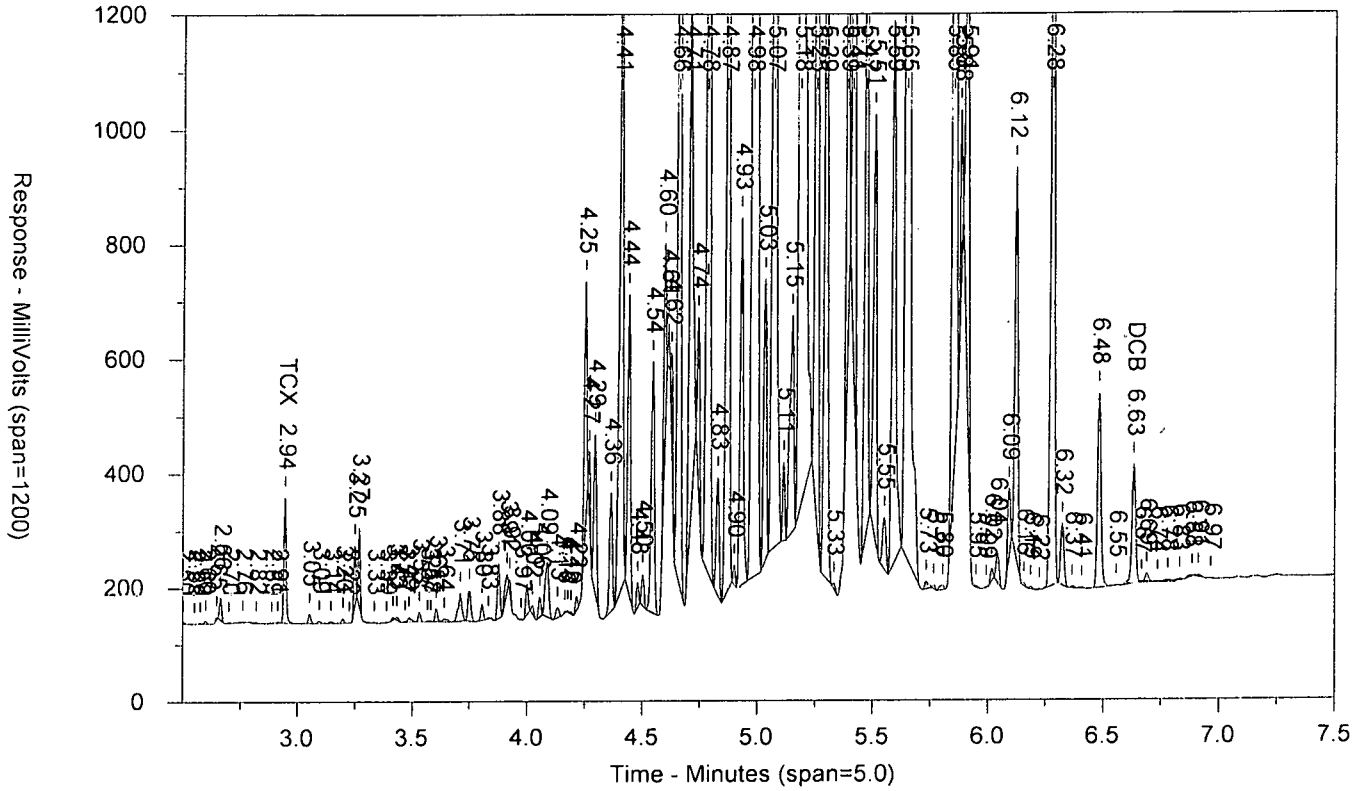

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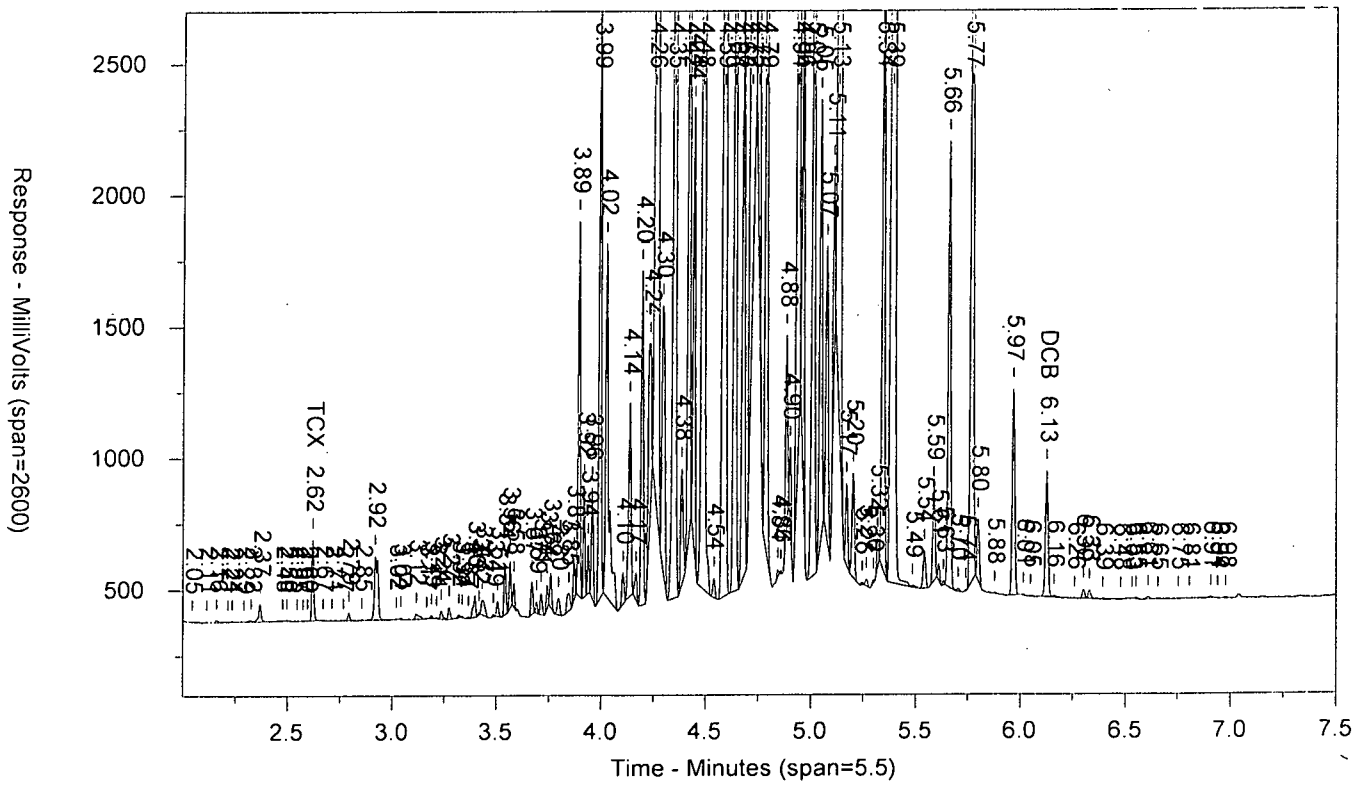

LANCASTER LABORATORIES

Sample Number: 8998327ACF DF20 AEA4612 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:42:05 PM
Sample Weight: 10.22
Dilution Factor: 200
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	220529	30.876	TCX	2.62	306599	31.508	TCX
6.631	208077	40.849	DCB	6.125	479964	39.845	DCB

Files:
Area File: 25pcbs17116017.008.RAW
Area File: 25pcbs17116017B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:50:36 PM
File Reported On: 5/22/2017 at 4:50:44 PM

8998327ACF DF20 AEA4612 T 171390030A 10225 SW-846 8082

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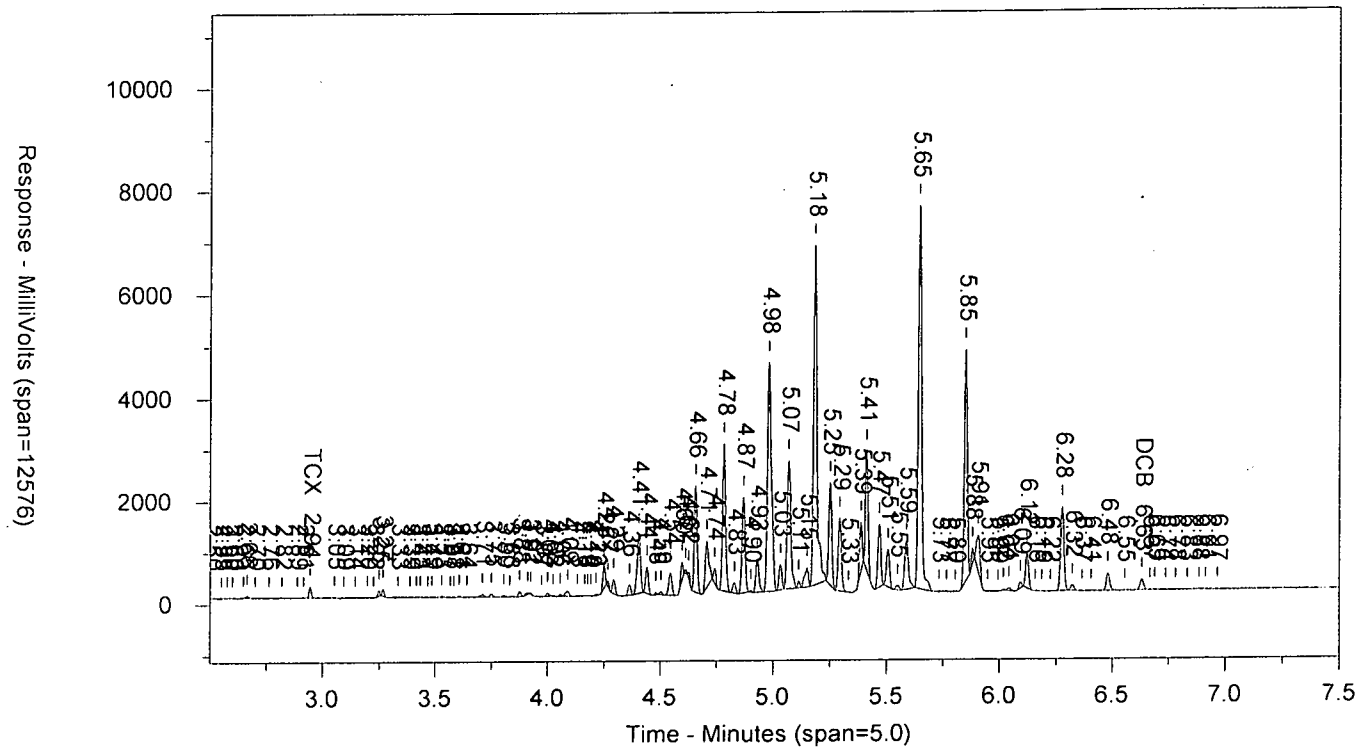

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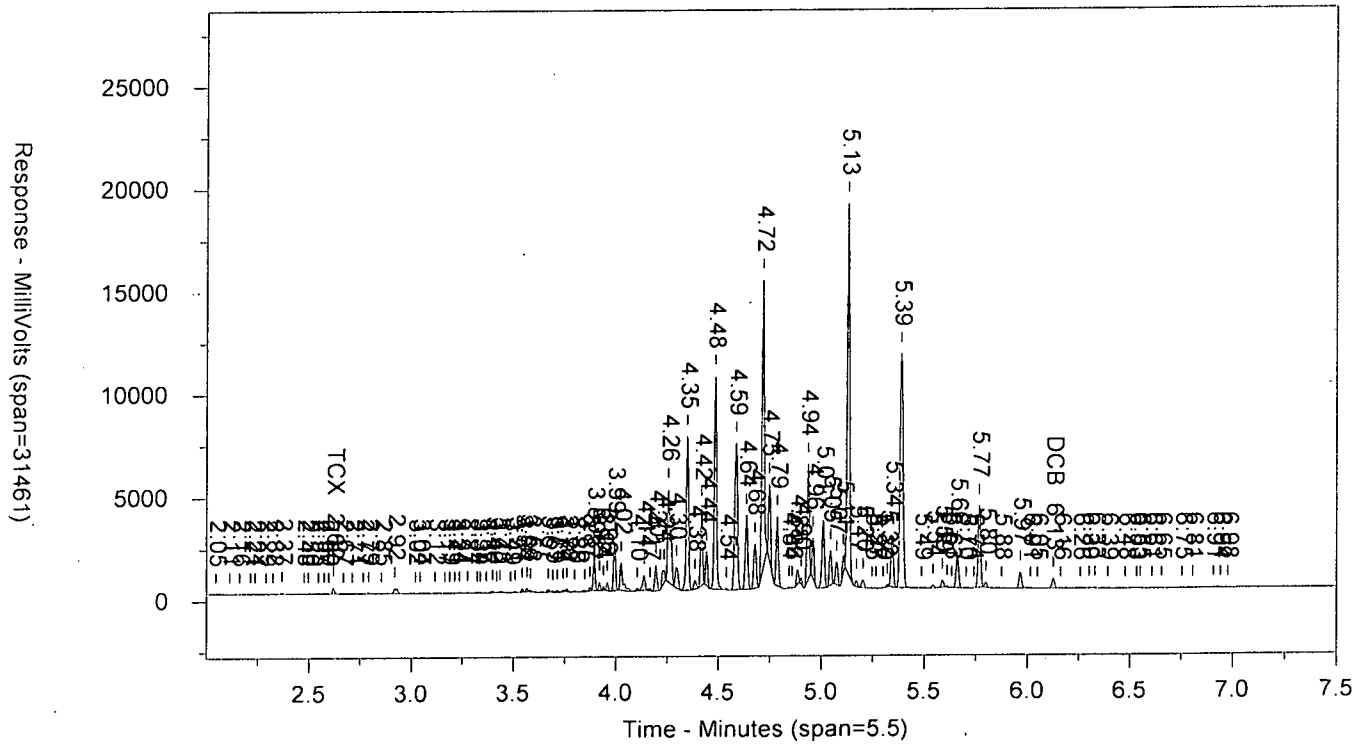

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Data Summary

Sample Name: 8998328 ACF DF50 A4613 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 16:53:23
Instrument	18274A
Result file	25PCBS17116017.009.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 98% (61 - 152) Conc: 28.33672
%SSR(DCB) 154% (48 - 164) Conc: 44.57755

Analysis Report (B)

Injected on	May 22, 2017 16:53:23
Instrument	18274B
Result file	25PCBS17116017B.009.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 28.49489
%SSR(DCB) 143% (48 - 164) Conc: 41.207

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	80245	28.33672
Decachlorobiphenyl	6.61	6.63	6.67	90028	44.57755

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	109935	28.49489
Decachlorobiphenyl	6.10	6.12	6.16	196801	41.207

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	28.33672				0.56	
☑	Decachlorobiphenyl	A	44.57755				7.86	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.55**	
4.76	4.78	4.80	2200185	22451.238247			1
5.05	5.07	5.09	2026699	35693.774188			2
5.23	5.25	5.27	1660170	24907.527655			3
5.40	5.41	5.44	1829588	25190.1584			4
5.63	5.65	5.67	6122208	31089.313497			5
5.83	5.85	5.87	3697922	30745.408602			6

Height summation: **17536772**
Concentration CF: **28346.236765** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.72**	
4.33	4.35	4.37	5687734	26734.446829			1
4.47	4.48	4.51	8201198	33652.662175			2
4.57	4.59	4.61	5800083	27724.908764			3
4.92	4.93	4.96	4750074	28338.872387			4
5.11	5.13	5.15	14690180	35538.776448			5
5.37	5.39	5.41	9702092	39130.846451			6

Height summation: **48831361**
Concentration CF: **31853.418842** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2517.2755	<488.6476			4	
☑	PCB-1221			<2517.2755	<755.1826			3	
☑	PCB-1232			<2517.2755	<607.1076			4	
☑	PCB-1242			<2517.2755	<607.1076			4	
☑	PCB-1248			<2517.2755	<488.6476			4	
☑	PCB-1254			<2517.2755	<651.5301			4	
☑	PCB-1260	B	31853.418842	2517.2755	577.4926		11.65	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998328** ACF DF50 A4613 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 16:53:23
Instrument : CP25--18274A
Result file : 25PCBS17116017.009.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (61-152) Conc.: 28.33672
%SSR(DCB) : 154% (48-164) Conc.: 44.57755

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**89.93**	
3.18	3.20	3.22	4615.777	97.826095			1
3.40	3.42	3.44	2328.698	51.998852			2
3.51	3.53	3.55	9313.077	164.153401			3
3.73	3.75	3.77	39956.73	579.655945			4
3.79	3.80	3.83	17738.84	288.10001			5
3.98	4.00	4.02	34535.65	794.802826			6
Height Summation:			**108488.772**				
Amount Avg CF:			**329.422855**	Linear:			
Aroclor-1221					**3**	**24.04**	
3.07	3.09	3.11	2602.324	113.226123			1
3.13	3.14	3.17	2365.608	112.12442			2
3.18	3.20	3.22	4615.777	71.482784			3
Height Summation:			**9583.709**				
Amount Avg CF:			**98.944442**	Linear:			
Aroclor-1232					**6**	**97.84**	
3.18	3.20	3.22	4615.777	79.998522			1
+ 3.40	3.42	3.44	2328.698	108.820469			2
3.40	3.44	3.44	3398.839	158.828347			2
3.52	3.53	3.56	9313.077	330.783105			3
3.74	3.75	3.78	39956.73	1157.242156			4
3.79	3.80	3.83	17738.84	617.488804			5
3.99	4.00	4.03	34535.65	1838.81166			6
+ 3.99	4.02	4.03	7952.197	423.405744			6
Height Summation:			**109558.913**				
Amount Avg CF:			**697.192099**	Linear:			
Aroclor-1242					**6**	**89.52**	
3.18	3.20	3.22	4615.777	115.275382			1
3.40	3.42	3.44	2328.698	62.69366			2
3.51	3.53	3.55	9313.077	196.606478			3
3.73	3.75	3.77	39956.73	696.033891			4
3.79	3.80	3.83	17738.84	360.366527			5
3.98	4.00	4.02	34535.65	955.474399			6
Height Summation:			**108488.772**				
Amount Avg CF:			**397.741723**	Linear:			
Aroclor-1248					**6**	**205.23**	
3.79	3.80	3.83	17738.84	502.410644			1
3.86	3.88	3.90	69716.95	1257.464594			2
3.98	4.00	4.02	34535.65	538.648727			3
4.07	4.09	4.11	57503.09	1042.242036			4
4.25	4.27	4.29	102662.2	1869.803585			5
4.64	4.66	4.68	1489140	33200.931347			6
Height Summation:			**1771296.73**				
Amount Avg CF:			**6401.916822**	Linear:			
Aroclor-1254					**6**	**98.67**	
4.24	4.25	4.28	219086.8	3710.18849			1
+ 4.24	4.27	4.28	102662.2	1738.562583			1
4.58	4.59	4.62	188637.6	2691.403611			2
+ 4.58	4.61	4.62	78950.44	1126.432372			2
4.64	4.66	4.68	1489140	10988.126808			3
E 4.77	4.78	4.81	2200185	50239.647519			4
4.86	4.87	4.89	1461392	14660.977217			5
5.05	5.07	5.09	2026699	27336.991086			6
Height Summation:			**7585140.4**				
Amount Avg CF:			**18271.222455**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:53:23
Instrument : CP25--18274B
Result file : 25PCBS17116017B.009.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 28.49489
%SSR(DCB) : 143% (48-164) Conc.: 41.207

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**52.26**	
2.89	2.92	2.93	51847.8	781.475106			1
3.22	3.24	3.26	17316.58	196.009518			2
3.41	3.43	3.45	48817	488.825083			3
3.49	3.51	3.53	34988	336.759868			4
3.65	3.67	3.69	78401.23	931.11253			5
3.74	3.76	3.78	74260.24	965.240494			6
Height Summation:			**305630.85**				
Amount Avg CF:			**616.570433**	Linear:			
Aroclor-1221					**3**	**59.54**	
2.77	2.79	2.81	23720.08	689.030341			1
2.84	2.85	2.88	3282.679	154.416281			2
2.89	2.92	2.93	51847.8	577.572477			3
Height Summation:			**78850.559**				
Amount Avg CF:			**473.673033**	Linear:			
Aroclor-1232					**6**	**64.17**	
2.89	2.92	2.93	51847.8	624.88863			1
3.22	3.24	3.26	17316.58	415.371858			2
3.41	3.43	3.45	48817	1089.356952			3
3.49	3.51	3.53	34988	756.01746			4
3.65	3.67	3.69	78401.23	2199.764772			5
+ 3.65	3.69	3.69	22892.87	642.3232			5
3.75	3.76	3.79	74260.24	2087.470085			6
Height Summation:			**305630.85**				
Amount Avg CF:			**1195.478293**	Linear:			
Aroclor-1242					**6**	**50.54**	
2.89	2.92	2.93	51847.8	933.094275			1
3.22	3.24	3.26	17316.58	245.444768			2
3.41	3.43	3.45	48817	608.620078			3
3.49	3.51	3.53	34988	427.536414			4
3.65	3.67	3.69	78401.23	1145.860255			5
+ 3.74	3.74	3.78	70878.55	1083.319646			6
3.74	3.76	3.78	74260.24	1135.005963			6
Height Summation:			**305630.85**				
Amount Avg CF:			**749.260292**	Linear:			
Aroclor-1248					**6**	**189.82**	
3.41	3.43	3.45	48817	1222.22375			1
3.52	3.54	3.56	129404.9	1268.202375			2
3.65	3.67	3.69	78401.23	642.447601			3
+ 3.65	3.69	3.69	22892.87	187.59233			3
3.74	3.76	3.78	74260.24	796.741404			4
3.88	3.89	3.92	844483.2	4505.505545			5
4.24	4.25	4.28	3173039	35738.921871			6
Height Summation:			**4348405.57**				
Amount Avg CF:			**7362.340424**	Linear:			
Aroclor-1254					**6**	**93.96**	
4.18	4.19	4.22	813753.1	5229.677354			1
4.24	4.25	4.28	3173039	11107.096467			2
4.33	4.35	4.37	5687734	43364.131112			3
4.40	4.42	4.44	2978506	15593.220807			4
+ 4.40	4.44	4.44	1360208	7121.027686			4
E 4.47	4.48	4.51	8201198	77432.40348			5
4.62	4.64	4.66	2879059	20662.651991			6
Height Summation:			**23733289.1**				
Amount Avg CF:			**28898.196868**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998328** ACF DF50 A4613 Sample ID: AE **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 16:53:23
Instrument : CP25--18274A
Result file : 25PCBS17116017.009.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	17.55	
4.76	4.78	4.80	2200185	22451.238247			1
5.05	5.07	5.09	2026699	35693.774188			2
5.23	5.25	5.27	1660170	24907.527655			3
5.40	5.41	5.44	1829588	25190.1584			4
5.63	5.65	5.67	6122208	31089.313497			5
5.83	5.85	5.87	3697922	30745.408602			6
Height Summation:			**17536772**				
Amount Avg CF:			**28346.236765**	Linear:			
Aroclor-1262					6	34.16	
E 5.23	5.25	5.27	1660170	13957.250124			1
E 5.40	5.41	5.44	1829588	17863.590018			2
E 5.63	5.65	5.67	6122208	23186.441533			3
E 5.83	5.85	5.87	3697922	22830.064655			4
5.89	5.90	5.93	613008.4	8256.311199			5
E 6.26	6.27	6.30	1397438	14579.736285			6
Height Summation:			**15320334.4**				
Amount Avg CF:			**16778.898969**	Linear:			
Aroclor-1268					6	97.06	
E 5.83	5.85	5.87	3697922	12929.257793			1
5.89	5.90	5.93	613008.4	2355.45171			2
6.03	6.04	6.07	45174.72	186.900678			3
+ 6.09	6.09	6.13	98636.45	1568.749328			4
6.09	6.12	6.13	559199.8	8893.713332			4
E 6.26	6.27	6.30	1397438	13640.372104			5
6.47	6.48	6.51	307575.3	365.612428			6
Height Summation:			**6620318.22**				
Amount Avg CF:			**6395.218007**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 16:53:23
Instrument : CP25--18274B
Result file : 25PCBS17116017B.009.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	15.72	
4.33	4.35	4.37	5687734	26734.446829			1
4.47	4.48	4.51	8201198	33652.662175			2
4.57	4.59	4.61	5800083	27724.908764			3
4.92	4.93	4.96	4750074	28338.872387			4
5.11	5.13	5.15	14690180	35538.776448			5
5.37	5.39	5.41	9702092	39130.846451			6
Height Summation:			**48831361**				
Amount Avg CF:			**31853.418842**	Linear:			
Aroclor-1262					6	38.60	
E 4.73	4.75	4.77	3331292	12434.66727			1
E 4.92	4.93	4.96	4750074	17928.214211			2
E 5.11	5.13	5.15	14690180	26495.511444			3
5.33	5.34	5.36	2061566	9888.850023			4
E 5.37	5.39	5.41	9702092	26809.310398			5
E 5.75	5.77	5.79	3367970	16204.443321			6
Height Summation:			**37903174**				
Amount Avg CF:			**18293.499444**	Linear:			
Aroclor-1268					6	127.93	
5.33	5.34	5.37	2061566	3130.222877			1
E 5.37	5.39	5.41	9702092	15147.535806			2
5.53	5.54	5.57	136338.3	244.663962			3
5.59	5.61	5.63	55595.36	405.161564			4
+ 5.59	5.63	5.63	17653.33	128.651938			4
E 5.75	5.77	5.79	3367970	14510.770969			5
5.95	5.97	5.99	721723.6	364.723969			6
Height Summation:			**16045285.26**				
Amount Avg CF:			**5633.846524**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2517.2755	488.6476		** 60.71	4	40	
Aroclor-1221			2517.2755	755.1826		** 130.88	3	5	
Aroclor-1232			2517.2755	607.1076		** 52.65	4	10	
Aroclor-1242			2517.2755	607.1076		** 61.29	4	30	
Aroclor-1248			2517.2755	488.6476		13.96	4	40	
Aroclor-1254			2517.2755	651.5301	E	** 45.06	4	40	
Aroclor-1260			2517.2755	577.4926		11.65	4	40	
Aroclor-1262			2517.2755	488.6476	E	8.64	4	40	
Aroclor-1268			2517.2755	488.6476	E	12.66	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998328ACF DF50 AEA4613 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:53:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		938	875
2.054		5835	6726
2.09		4212	5558
2.144		3090	2104
2.212		37699	31439
2.29		1063	1318
2.338		2527	1824
2.377		1674	1333
2.397		2817	2589
2.503		2264	3453
2.548		405	335
2.574		602	558
2.598		2796	2413
2.648		1370	800
2.664		19564	12483
2.702		958	972
2.758		2166	3218
2.792		1573	1244
2.817		1399	934
2.887		1640	1306
2.944	TCX	80245	52349
2.971		830	387
3.052		14944	10436
3.093		2602	2802
3.141		2366	2784
3.195		4616	3365
3.227		703	355
3.249		89345	53545
3.266		63294	35004
3.307		1051	598
3.336		716	598
3.386		705	488
3.415		2329	1443
3.437		3399	2776
3.467		811	591
3.485		5498	5617
3.531		9313	7424
3.582		1365	654
3.606		18750	13009
3.64		1256	585
3.71		18146	23045
3.748		39957	32532
3.804		17739	14259
3.843		1787	1921
3.875		69717	52285
3.912		52227	65285
3.949		3681	2629
3.974		999	522
4		34536	25338
4.024		7952	4546
4.056		23567	16863
4.087		57503	67289
4.131		9124	8731
4.176		3559	3246

RT A	Compound A	Height A	Area A
4.192		6432	3448
4.215		16705	10597
4.251		219087	155939
4.268		102662	56668
4.293		161798	140927
4.364		147633	128156
4.406		714985	757665
4.44		350520	300938
4.48		30786	21630
4.502		36418	26612
4.543		299199	284839
4.595		188638	140904
4.611		78950	40393
4.624		81044	46295
4.656		1489141	1358826
4.705		771908	823789
4.741		201131	141708
4.782		2200185	2110001
4.827		165224	150929
4.867		1461392	1406237
4.899		25037	15111
4.928		524076	542193
4.979		3457109	4222000
5.03		430083	380439
5.068		2026699	2276997
5.112		111406	74489
5.148		307759	381411
5.183		5222032	5341414
5.224		63529	29346
5.25		1660170	1539476
5.293		1171648	1168009
5.386		781262	602143
5.411		1829588	1581999
5.467		1011512	945272
5.506		596916	583921
5.548		66950	71270
5.587		817678	937438
5.645		6122209	6224364
5.73		15224	14627
5.764		7106	4696
5.802		6607	9908
5.849		3697922	3433781
5.878		256245	162927
5.904		613008	698307
5.946		2838	1801
5.992		1792	1348
6.015		20192	15553
6.04		45175	41633
6.091		98636	81027
6.119		559200	531460
6.155		7814	5684
6.183		4000	3181
6.223		1636	1387
6.275		1397438	1415921
6.32		94071	92937
6.372		1493	1585
6.401		2594	3328
6.478		307575	327498
6.564		876	1782
6.628	DCB	90028	106423
6.664		939	509
6.686		8831	8475
6.734		888	1078
6.779		2660	4056
6.833		2055	3396
6.878		1209	1802

RT A	Compound A	Height A	Area A
6.905		3824	6162
6.958		1236	1549

LANCASTER LABORATORIES

Sample Number: 8998328ACF DF50 AEA4613 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:53:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.07		1739	1271
2.115		1530	1663
2.161		6639	6347
2.212		1282	1368
2.238		2745	4384
2.368		32857	30087
2.478		1897	2880
2.538		843	469
2.575		2166	1279
2.62	TCX	109935	70552
2.671		2507	2676
2.765		2565	1981
2.792		23720	13715
2.854		3283	2897
2.918		51848	23565
2.929		96600	44190
3.041		3761	5878
3.116		15357	19824
3.166		1244	883
3.188		9442	9459
3.237		17317	15030
3.274		35844	24655
3.322		4524	2916
3.337		4335	2451
3.364		3840	2470
3.396		34505	29583
3.434		48817	57867
3.506		34988	24588
3.541		129405	81286
3.565		132405	104713
3.6		14542	8483
3.669		78401	53928
3.691		22893	12047
3.712		53630	35448
3.742		70879	38798
3.758		74260	42170
3.796		38063	32223
3.846		53558	56543
3.871		96208	59793
3.892		844483	564014
3.918		247031	148640
3.937		111284	60004
3.957		299874	187496
3.992		1492462	1033804
4.024		856256	707649
4.061		36907	25968
4.103		81989	61690
4.137		474135	403425
4.165		39942	34601
4.194		813753	610789
4.235		406125	457159
4.255		3173039	3282614
4.293		829880	795215
4.346		5687734	4337875

RT B	Compound B	Height B	Area B
4.383		351400	290576
4.416		2978506	1991233
4.44		1360208	931111
4.483		8201198	6230932
4.537		12490	8123
4.586		5800083	5458051
4.635		2879059	2358483
4.677		1871171	1582997
4.713		11296150	9303116
4.746		3331292	2294123
4.784		2745844	2096740
4.842		25366	14900
4.856		16960	8742
4.884		605936	414326
4.901		206115	114603
4.934		4750074	3629602
4.958		1486352	1028032
5.008		2848569	2375720
5.043		1447230	1139467
5.073		989151	785118
5.106		677659	421591
5.127		14690180	11682230
5.169		244983	176199
5.2		335486	279723
5.245		8729	5757
5.265		37442	26336
5.298		20909	14942
5.319		83355	51197
5.342		2061566	1719160
5.386		9702092	9887730
5.446		12900	17542
5.484		3790	5652
5.541		136338	116690
5.587		285755	227706
5.61		55595	33172
5.632		17653	9448
5.658		1409620	1176831
5.701		12689	11138
5.738		6114	3503
5.766		3367970	2812222
5.797		185314	142242
5.876		4422	5291
5.908		2363	2961
5.965		721724	605317
6.012		8210	7719
6.046		2656	3606
6.125	DCB	196801	178064
6.159		4974	6626
6.256		1886	1780
6.301		22593	16289
6.327		16852	14571
6.366		2052	1309
6.475		1694	1549
6.533		1514	925
6.55		4230	3946
6.606		11911	13482
6.653		3067	3260
6.751		2301	2096
6.796		2498	3879
6.856		1875	2827
6.904		6374	9901
6.976		5954	6189

8998328ACF DF50 AEA4613 T 171390030A 10225 SW-846 8082

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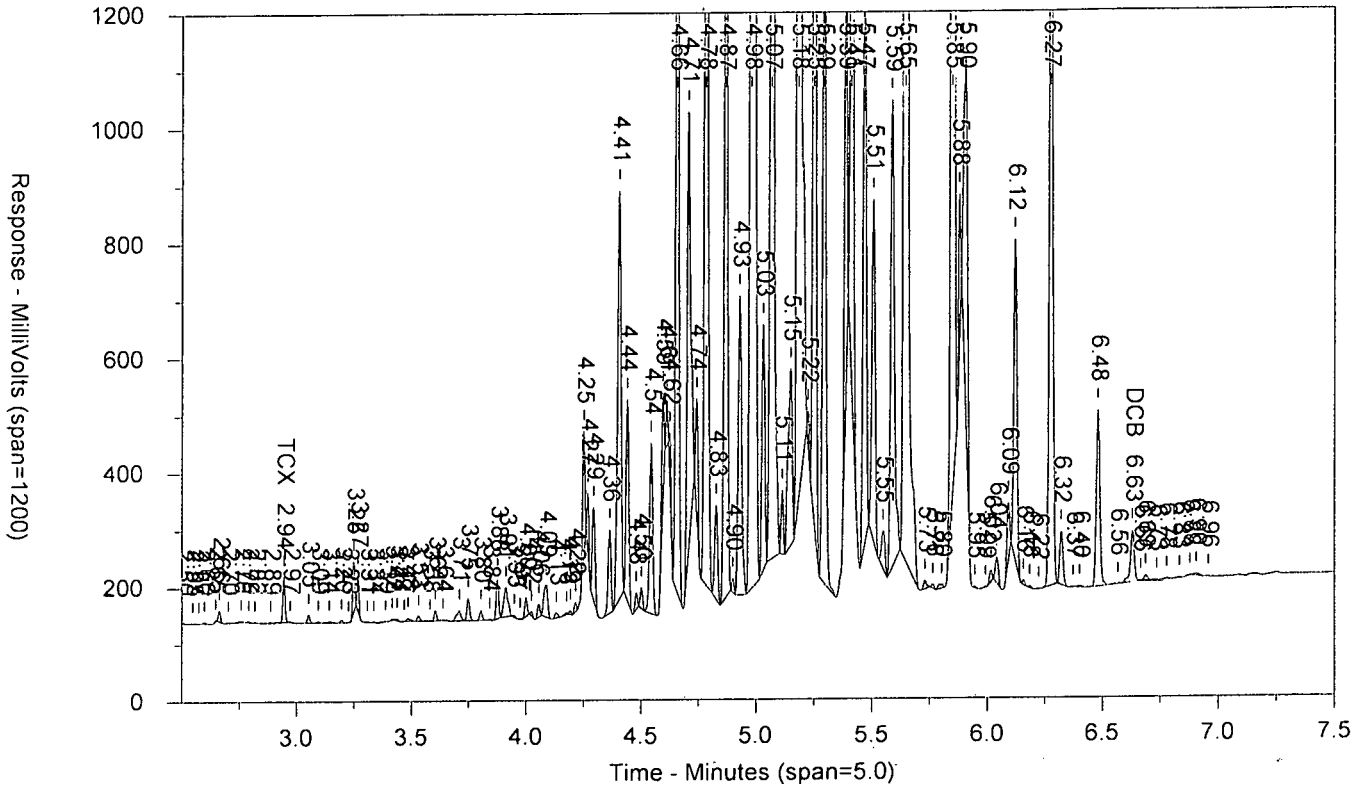

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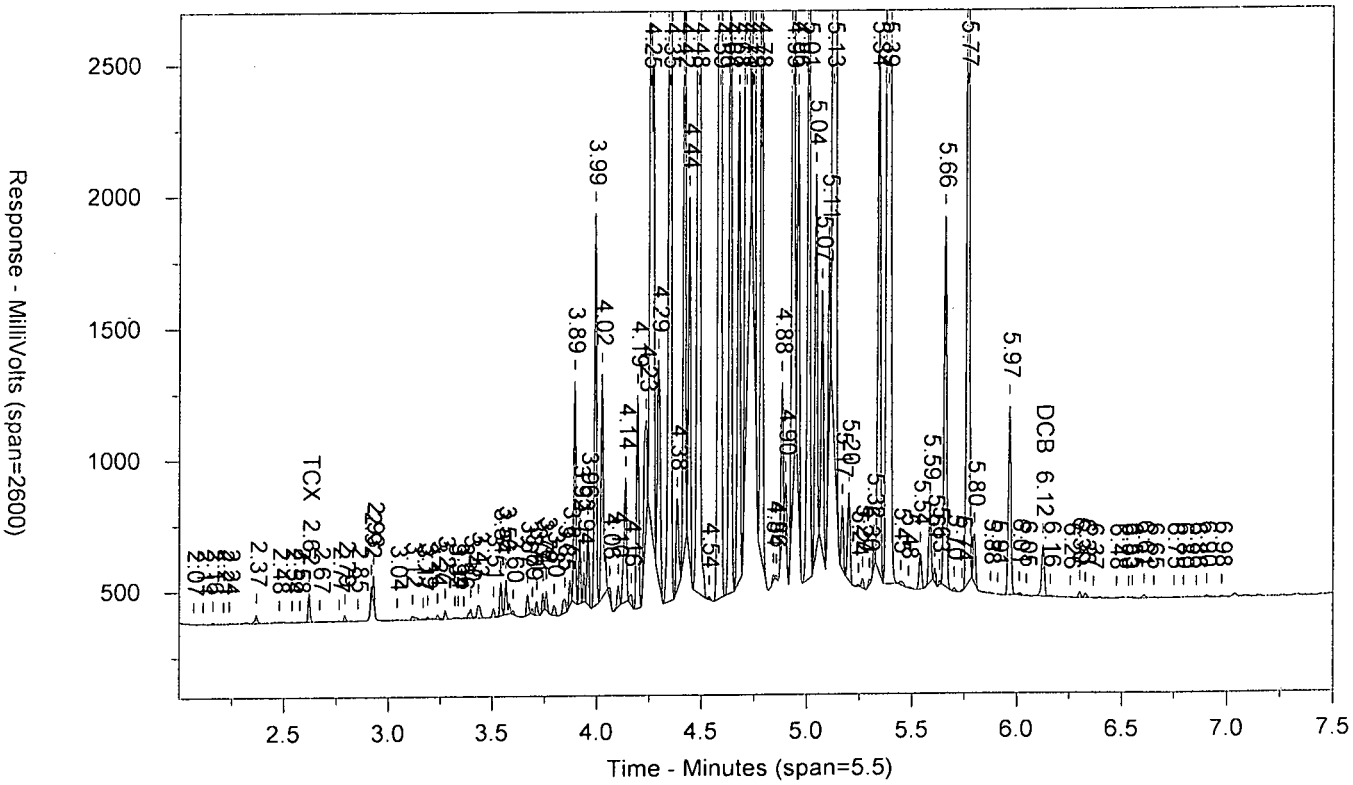

LANCASTER LABORATORIES

Sample Number: 8998328ACF DF50 AEA4613 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 4:53:23 PM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	80245	28.337	TCX	2.62	109935	28.495	TCX
6.628	90028	44.578	DCB	6.125	196801	41.207	DCB

Files:
Area File: 25pcbs17116017.009.RAW
Area File: 25pcbs17116017B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:01:55 PM
File Reported On: 5/22/2017 at 5:02:06 PM

8998328ACF DF50 AEA4613 T 171390030A 10225 SW-846 8082

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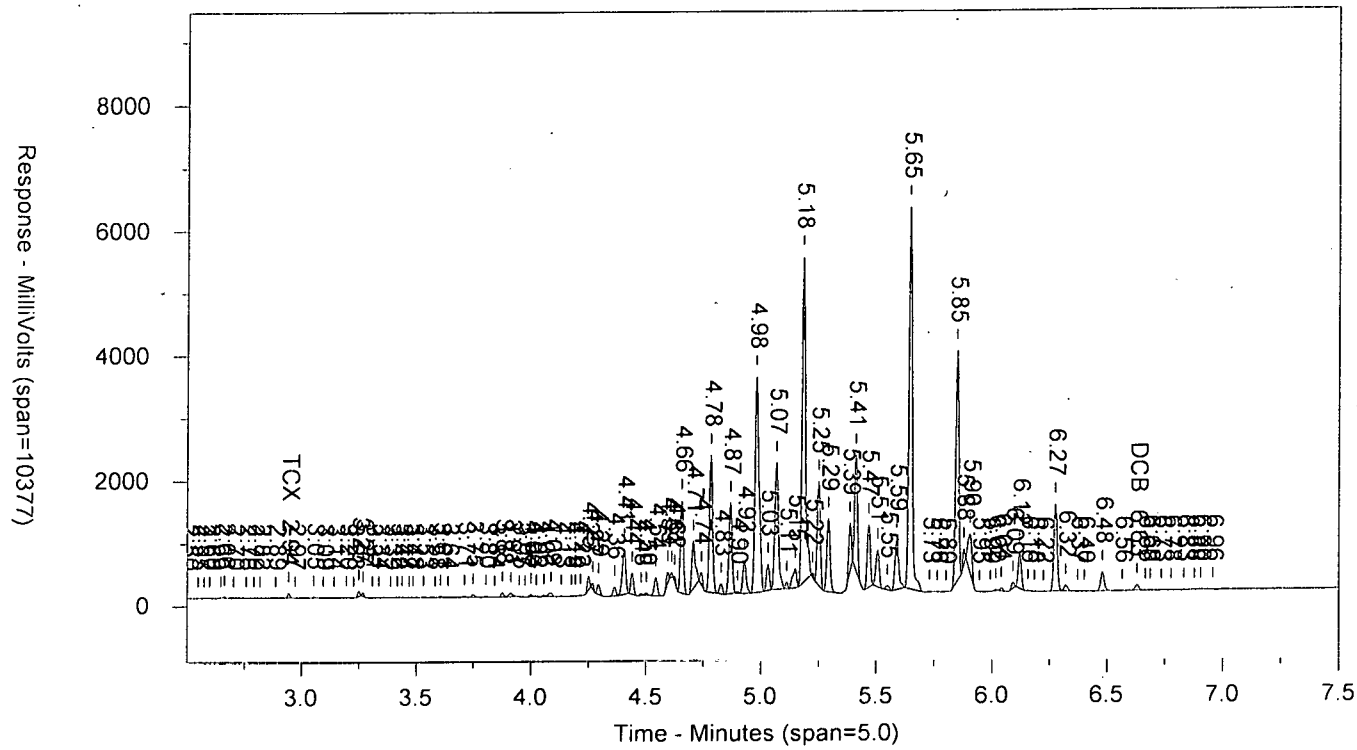

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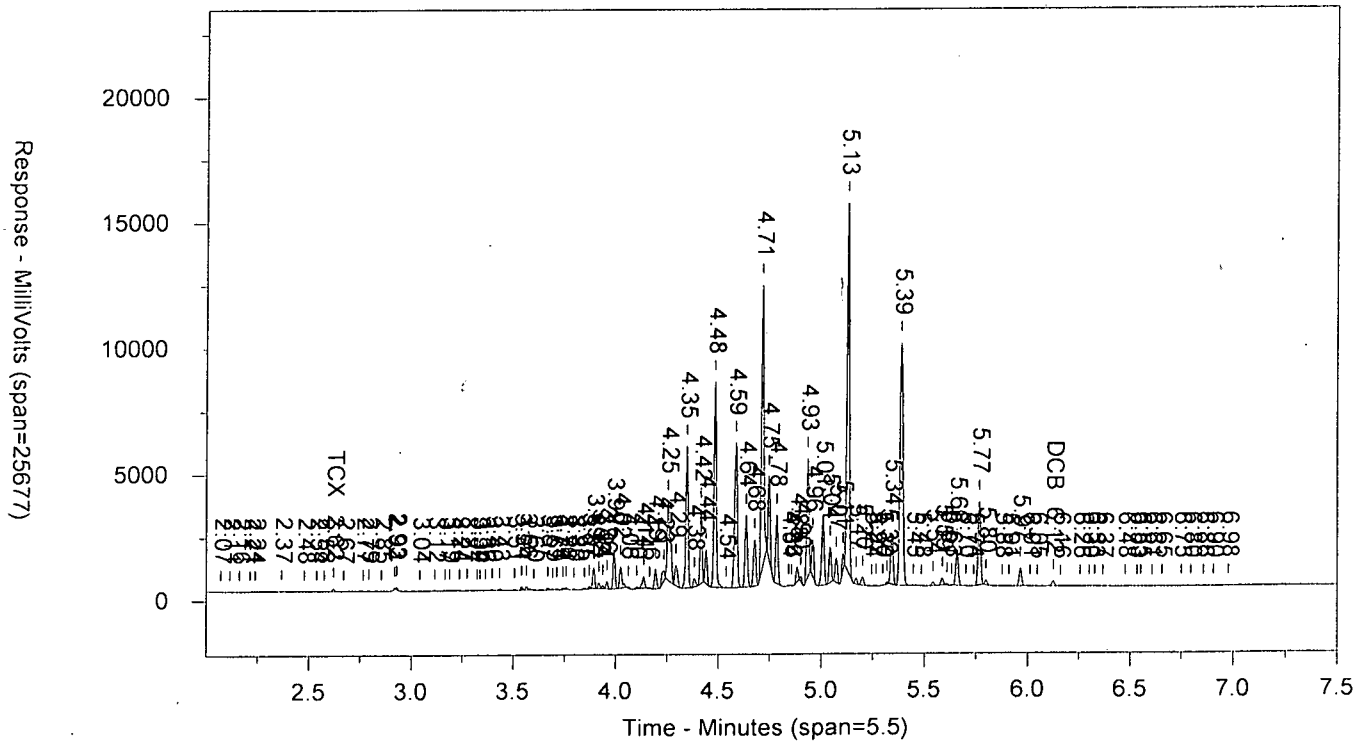

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Data Summary

Sample Name: 8998329 ACF DF20 A4614 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 08:19:01
Instrument	18274A
Result file	25PCBS17116016.080.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 28.52641
%SSR(DCB) 123% (48 - 164) Conc: 34.57033

Analysis Report (B)

Injected on	May 22, 2017 08:19:01
Instrument	18274B
Result file	25PCBS17116016B.080.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 27.87548
%SSR(DCB) 115% (48 - 164) Conc: 32.33398

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	206938	28.52641
Decachlorobiphenyl	6.61	6.63	6.67	178852	34.57033

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	275499	27.87548
Decachlorobiphenyl	6.10	6.13	6.16	395588	32.33398

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.52641				2.31	
☑ Decachlorobiphenyl	A	34.57033				6.69	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.18**	
4.76	4.78	4.80	1399014	5572.822913			1
5.05	5.07	5.09	1241447	8534.999207			2
5.23	5.25	5.27	976527.1	5719.188921			3
5.40	5.41	5.44	1076534	5785.986674			4
5.63	5.65	5.67	3408103	6755.972085			5
5.83	5.85	5.87	2114815	6863.83742			6

Height summation: **10216440.1**
Concentration CF: **6538.801203** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.50**	
4.33	4.35	4.37	3433146	6299.357863			1
4.47	4.48	4.51	4706988	7539.756199			2
4.57	4.59	4.61	3299008	6155.897347			3
4.92	4.94	4.96	2588404	6028.181719			4
5.11	5.13	5.15	7651048	7225.507631			5
5.37	5.39	5.41	5167490	8135.899624			6

Height summation: **26846084**
Concentration CF: **6897.433397** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<982.6589	<190.7514			4	
☑ PCB-1221			<982.6589	<294.7977			3	
☑ PCB-1232			<982.6589	<236.9942			4	
☑ PCB-1242			<982.6589	<236.9942			4	
☑ PCB-1248			<982.6589	<190.7514			4	
☑ PCB-1254			<982.6589	<254.3353			4	
☑ PCB-1260	B	6897.433397	982.6589	225.4335		5.34	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist
Date: MAY 23 2017

Verified by: MAY 25 2017
Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998329** ACF DF20 A4614 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 08:19:01
Instrument : CP25--18274A
Result file : 25PCBS17116016.080.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 28.52641 Bad
%SSR(DCB) : 123% (48-164) Conc.: 34.57033

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	120.72	
3.18	3.20	3.22	3867.053	31.993526			1
3.40	3.41	3.44	3661.774	31.918627			2
+ 3.40	3.43	3.44	2086.051	18.183505			2
3.51	3.53	3.55	9548.18	65.69758			3
3.73	3.75	3.77	28539.73	161.622678			4
3.79	3.80	3.83	13608.2	86.276163			5
3.98	4.00	4.02	53787.77	483.22277			6
Height Summation:			**113012.707**				
Amount Avg CF:			**143.455224**	Linear:			
Aroclor-1221					3	36.63	
3.07	3.09	3.11	2199.475	37.357378			1
3.13	3.14	3.17	2731.907	50.547005			2
3.18	3.20	3.22	3867.053	23.37808			3
Height Summation:			**8798.435**				
Amount Avg CF:			**37.094154**	Linear:			
Aroclor-1232					6	132.86	
3.18	3.20	3.22	3867.053	26.163109			1
3.40	3.41	3.44	3661.774	66.797628			2
+ 3.40	3.43	3.44	2086.051	38.053484			2
3.52	3.53	3.56	9548.18	132.386228			3
3.74	3.75	3.78	28539.73	322.668262			4
3.79	3.80	3.83	13608.2	184.916914			5
3.99	4.00	4.03	53787.77	1117.957354			6
+ 3.99	4.02	4.03	8947.771	185.975853			6
Height Summation:			**113012.707**				
Amount Avg CF:			**308.481583**	Linear:			
Aroclor-1242					6	120.27	
3.18	3.20	3.22	3867.053	37.700226			1
3.40	3.41	3.44	3661.774	38.483457			2
+ 3.40	3.43	3.44	2086.051	21.923377			2
3.51	3.53	3.55	9548.18	78.685971			3
3.73	3.75	3.77	28539.73	194.071781			4
3.79	3.80	3.83	13608.2	107.91753			5
3.98	4.00	4.02	53787.77	580.907579			6
Height Summation:			**113012.707**				
Amount Avg CF:			**172.961091**	Linear:			
Aroclor-1248					6	190.03	
3.79	3.80	3.83	13608.2	150.454916			1
3.86	3.88	3.90	105886.7	745.539887			2
3.98	4.00	4.02	53787.77	327.486669			3
4.07	4.09	4.11	54268.95	383.973192			4
4.25	4.27	4.29	80640.39	573.337204			5
4.64	4.66	4.68	1083427	9429.452449			6
Height Summation:			**1391619.01**				
Amount Avg CF:			**1935.040719**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 08:19:01
Instrument : CP25--18274B
Result file : 25PCBS17116016B.080.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 27.87548
%SSR(DCB) : 115% (48-164) Conc.: 32.33398

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.45	
2.89	2.92	2.93	143236.7	842.774147			1
3.22	3.24	3.26	20828.44	92.03306			2
3.41	3.42	3.45	33602.96	131.350586			3
+ 3.41	3.43	3.45	21456.38	83.870828			3
3.49	3.51	3.53	27196.96	102.186532			4
3.65	3.67	3.69	107739.7	499.490393			5
+ 3.74	3.74	3.78	42632.45	216.317452			6
3.74	3.76	3.78	78498.16	398.300402			6
Height Summation:			**411102.92**				
Amount Avg CF:			**344.355853**	Linear:			
Aroclor-1221					3	101.03	
2.77	2.79	2.81	15950.99	180.876407			1
2.84	2.86	2.88	3677.975	67.537585			2
2.89	2.92	2.93	143236.7	622.877361			3
Height Summation:			**162865.665**				
Amount Avg CF:			**290.430451**	Linear:			
Aroclor-1232					6	69.98	
2.89	2.92	2.93	143236.7	673.905001			1
3.22	3.24	3.26	20828.44	195.031056			2
3.41	3.42	3.45	33602.96	292.717536			3
+ 3.41	3.43	3.45	21456.38	186.9079			3
3.49	3.51	3.53	27196.96	229.406201			4
3.65	3.67	3.69	107739.7	1180.05218			5
+ 3.65	3.69	3.69	25675.3	281.216615			5
3.75	3.76	3.79	78498.16	861.381365			6
Height Summation:			**411102.92**				
Amount Avg CF:			**572.082223**	Linear:			
Aroclor-1242					6	85.05	
2.89	2.92	2.93	143236.7	1006.28635			1
3.22	3.24	3.26	20828.44	115.244573			2
3.41	3.42	3.45	33602.96	163.540306			3
+ 3.41	3.43	3.45	21456.38	104.424817			3
3.49	3.51	3.53	27196.96	129.731798			4
3.65	3.67	3.69	107739.7	614.690675			5
+ 3.74	3.74	3.78	42632.45	254.363135			6
3.74	3.76	3.78	78498.16	468.353052			6
Height Summation:			**411102.92**				
Amount Avg CF:			**416.307792**	Linear:			
Aroclor-1248					6	168.54	
3.41	3.42	3.45	33602.96	328.419738			1
+ 3.41	3.43	3.45	21456.38	209.704701			1
3.52	3.54	3.56	192074.7	734.81851			2
3.65	3.67	3.69	107739.7	344.637618			3
3.74	3.76	3.78	78498.16	328.770316			4
3.88	3.89	3.92	917351.7	1910.559061			5
4.24	4.26	4.28	2273985	9998.289689			6
Height Summation:			**3603252.22**				
Amount Avg CF:			**2274.249155**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998329** ACF DF20 A4614 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 08:19:01
Instrument : CP25--18274A
Result file : 25PCBS17116016.080.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	84.52	
4.24	4.25	4.28	285114.1	1884.822859			1
+ 4.24	4.27	4.28	80640.39	533.094822			1
4.58	4.60	4.62	250852.3	1397.142613			2
+ 4.58	4.61	4.62	29409.08	163.796301			2
4.64	4.66	4.68	1083427	3120.756408			3
4.77	4.78	4.81	1399014	12470.432844			4
4.86	4.87	4.89	1005264	3936.845819			5
5.05	5.07	5.09	1241447	6536.747726			6
Height Summation:			**5265118.4**				
Amount Avg CF:			**4891.124711**	Linear:			
Aroclor-1260					6	17.18	
4.76	4.78	4.80	1399014	5572.822913			1
5.05	5.07	5.09	1241447	8534.999207			2
5.23	5.25	5.27	976527.1	5719.188921			3
5.40	5.41	5.44	1076534	5785.986674			4
5.63	5.65	5.67	3408103	6755.972085			5
5.83	5.85	5.87	2114815	6863.83742			6
Height Summation:			**10216440.1**				
Amount Avg CF:			**6538.801203**	Linear:			
Aroclor-1262					6	33.31	
5.23	5.25	5.27	976527.1	3204.820301			1
E 5.40	5.41	5.44	1076534	4103.129967			2
E 5.63	5.65	5.67	3408103	5038.610832			3
E 5.83	5.85	5.87	2114815	5096.756205			4
5.89	5.90	5.93	347830.8	1828.772773			5
6.26	6.28	6.30	801005.4	3262.305641			6
Height Summation:			**8724815.3**				
Amount Avg CF:			**3755.73262**	Linear:			
Aroclor-1268					6	97.11	
5.83	5.85	5.87	2114815	2886.425242			1
5.89	5.90	5.93	347830.8	521.732509			2
6.03	6.04	6.07	26158.71	42.247772			3
+ 6.09	6.09	6.13	59313.7	368.250393			4
6.09	6.12	6.13	321085.1	1993.463807			4
6.26	6.28	6.30	801005.4	3052.117129			5
6.47	6.48	6.51	176989.5	82.12759			6
Height Summation:			**3787884.51**				
Amount Avg CF:			**1429.685675**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 08:19:01
Instrument : CP25--18274B
Result file : 25PCBS17116016B.080.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	83.99	
4.18	4.20	4.22	791124.5	1984.719593			1
4.24	4.26	4.28	2273985	3107.311644			2
4.33	4.35	4.37	3433146	10217.760705			3
4.40	4.42	4.44	1913614	3910.783482			4
+ 4.40	4.44	4.44	786193.1	1606.714306			4
4.47	4.48	4.51	4706988	17348.447534			5
4.62	4.64	4.66	1844176	5166.660741			6
Height Summation:			**14963033.5**				
Amount Avg CF:			**6955.947283**	Linear:			
Aroclor-1260					6	12.50	
4.33	4.35	4.37	3433146	6299.357863			1
4.47	4.48	4.51	4706988	7539.756199			2
4.57	4.59	4.61	3299008	6155.897347			3
4.92	4.94	4.96	2588404	6028.181719			4
5.11	5.13	5.15	7651048	7225.507631			5
5.37	5.39	5.41	5167490	8135.899624			6
Height Summation:			**26846084**				
Amount Avg CF:			**6897.433397**	Linear:			
Aroclor-1262					6	36.05	
4.73	4.75	4.77	1788200	2605.61137			1
4.92	4.94	4.96	2588404	3813.649734			2
E 5.11	5.13	5.15	7651048	5386.891144			3
5.33	5.34	5.36	1173372	2197.133019			4
E 5.37	5.39	5.41	5167490	5574.064406			5
5.75	5.77	5.79	1908842	3585.155251			6
Height Summation:			**20277356**				
Amount Avg CF:			**3860.417488**	Linear:			
Aroclor-1268					6	126.84	
5.33	5.34	5.37	1173372	695.481884			1
5.37	5.39	5.41	5167490	3149.403656			2
5.53	5.54	5.57	78120.7	54.725576			3
5.59	5.61	5.63	35551.03	101.137907			4
+ 5.59	5.63	5.63	9219.076	26.227033			4
5.75	5.77	5.79	1908842	3210.438378			5
5.95	5.97	5.99	396170.5	78.153353			6
Height Summation:			**8759546.23**				
Amount Avg CF:			**1214.890126**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			982.6589	190.7514		** 82.37	4	40	
Aroclor-1221			982.6589	294.7977		** 154.70	3	5	
Aroclor-1232			982.6589	236.9942		** 59.87	4	10	
Aroclor-1242			982.6589	236.9942		** 82.59	4	30	
Aroclor-1248			982.6589	190.7514		16.12	4	40	
Aroclor-1254			982.6589	254.3353		34.86	4	40	
Aroclor-1260			982.6589	225.4335		5.34	4	40	
Aroclor-1262			982.6589	190.7514	E	2.75	4	40	
Aroclor-1268			982.6589	190.7514		16.24	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998329ACF DF20 ACA4614 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:19:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.080.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.022		549	534
2.054		11608	12424
2.088		3855	4892
2.144		9108	8383
2.212		85997	66184
2.29		769	760
2.339		2089	1591
2.379		1571	1396
2.398		1804	1792
2.5		2522	3901
2.551		394	264
2.575		539	314
2.599		1987	1775
2.648		3313	1793
2.664		27658	16930
2.7		1189	988
2.755		2203	3453
2.789		1093	996
2.819		1566	1280
2.889		1369	1159
2.916		980	770
2.944	TCX	206938	144730
3.052		10304	7641
3.093		2199	2235
3.142		2732	3042
3.197		3867	2590
3.228		1133	724
3.249		43775	24959
3.267		82317	47976
3.306		1238	812
3.333		963	519
3.386		1228	869
3.415		3662	2106
3.431		2086	1753
3.467		1548	1033
3.486		3199	3613
3.532		9548	7723
3.607		11527	8951
3.641		1261	592
3.658		1411	660
3.721		23867	36155
3.751		28540	27157
3.805		13608	11074
3.845		4006	3390
3.877		105887	80221
3.904		41297	33281
3.925		20130	11384
4		53788	38789
4.024		8948	5573
4.057		22177	16275
4.09		54269	59948
4.133		12038	12357
4.166		1488	843
4.178		1242	458

RT A	Compound A	Height A	Area A
4.193		7478	4575
4.216		15112	9513
4.251		285114	208498
4.269		80640	43367
4.294		181514	153514
4.364		130175	111535
4.407		671560	716919
4.441		311729	264121
4.482		24313	17598
4.504		33664	24362
4.545		256066	246464
4.596		250852	184408
4.612		29409	12049
4.625		85531	55109
4.657		1083427	971622
4.707		459520	492757
4.741		155937	116111
4.783		1399014	1323911
4.828		115301	106266
4.869		1005265	973093
4.901		18269	11080
4.93		343590	349756
4.981		2089529	2638883
5.033		260980	234634
5.069		1241447	1432746
5.114		72638	48407
5.151		187970	236439
5.184		3046452	3119823
5.225		35409	17882
5.252		976527	901645
5.294		679761	689924
5.388		481337	384856
5.413		1076534	912767
5.469		609460	558545
5.507		370863	358287
5.549		49212	52497
5.589		478903	591242
5.647		3408103	3501053
5.734		5143	5667
5.765		2555	1894
5.804		3284	4452
5.85		2114815	1937169
5.88		158192	96928
5.905		347831	408885
6.018		11197	8355
6.042		26159	24377
6.093		59314	47932
6.121		321085	320648
6.156		1889	1363
6.186		2311	1773
6.232		595	872
6.277		801005	834324
6.323		56356	55621
6.378		1330	1055
6.403		2040	2478
6.482		176990	188137
6.561		1060	1256
6.633	DCB	178852	212396
6.668		581	289
6.69		5263	4412
6.743		1169	1562
6.787		2476	4024
6.833		1084	861
6.91		8657	26004
6.967		1020	1149

LANCASTER LABORATORIES

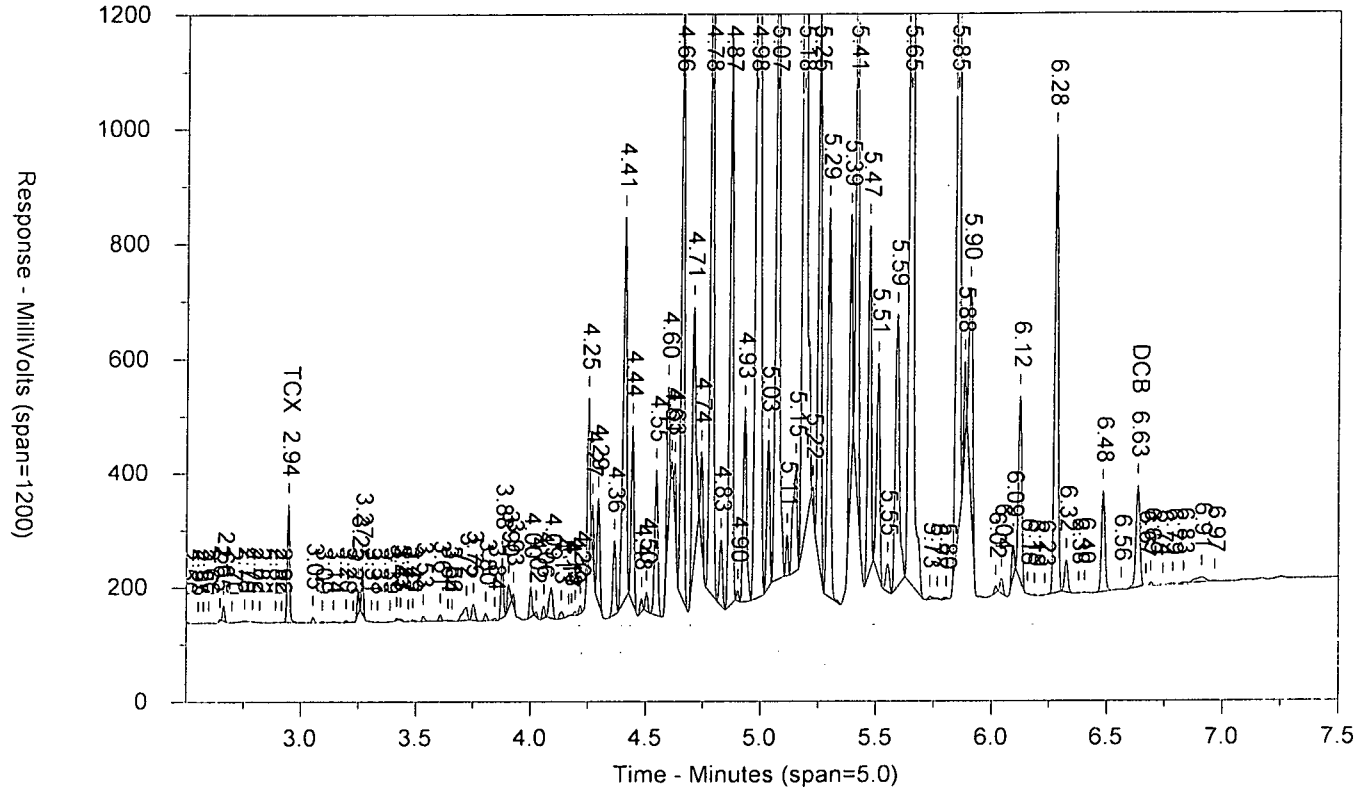
Sample Number: 8998329ACF DF20 ACA4614 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:19:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.080.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.119		2823	4551
2.16		3792	4017
2.24		2330	2554
2.324		4066	4133
2.368		42804	33918
2.477		2159	2222
2.499		2172	2135
2.576		1812	1611
2.62	TCX	275499	173613
2.67		2921	2583
2.721		2095	3802
2.765		2875	2679
2.792		15951	9322
2.815		1538	1765
2.855		3678	3043
2.918		143237	152728
3.042		3762	3010
3.116		15214	17462
3.188		5202	7152
3.237		20828	23798
3.275		28951	26971
3.324		7575	9448
3.366		4831	3203
3.397		32372	27348
3.417		33603	17070
3.432		21456	29037
3.507		27197	20830
3.541		192075	118783
3.565		135980	78455
3.583		65076	33589
3.669		107740	72544
3.692		25675	13520
3.714		49335	39759
3.743		42632	21665
3.759		78498	48421
3.798		36228	28709
3.841		38101	41130
3.871		118365	69979
3.893		917352	606861
3.919		270824	157941
3.938		109130	59791
3.958		253921	160014
3.993		1340917	945890
4.025		763620	853309
4.104		84799	73395
4.138		434525	346359
4.166		37871	33608
4.195		791125	587550
4.229		392678	359697
4.256		2273985	2162540
4.295		505200	498817
4.348		3433147	2691016
4.385		241407	199879
4.417		1913614	1333603

RT B	Compound B	Height B	Area B
4.442		786193	555203
4.484		4706989	3740645
4.539		5761	3900
4.586		3299008	3134780
4.636		1844176	1488991
4.678		1045749	900067
4.715		6073592	5147505
4.746		1788200	1238699
4.785		1494346	1161520
4.844		13225	7913
4.858		11812	6342
4.884		338864	225443
4.902		147372	82852
4.936		2588404	1961250
4.959		918132	629771
5.009		1472528	1316476
5.045		811178	642739
5.075		534733	431091
5.108		389727	247324
5.128		7651048	6207648
5.17		145336	103096
5.201		197031	163102
5.245		4400	3002
5.266		12444	7910
5.32		53837	34291
5.343		1173372	961931
5.387		5167491	5376884
5.488		3111	1985
5.542		78121	66711
5.588		170670	133995
5.611		35551	21114
5.632		9219	4796
5.66		769386	674387
5.703		6749	5923
5.74		3453	2013
5.767		1908842	1581519
5.799		113955	85893
5.966		396171	344332
6.126	DCB	395588	359743
6.163		3663	3186
6.26		1885	1507
6.302		16060	11353
6.33		40742	34388
6.397		2042	2043
6.515		1086	1339
6.553		5985	10696
6.609		5836	9397
6.656		2252	2854
6.756		1629	1928
6.818		1189	2240
6.885		1106	912
6.908		4016	3596
6.983		2021	1952

8998329ACF DF20 ACA4614 T 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.080.RAW



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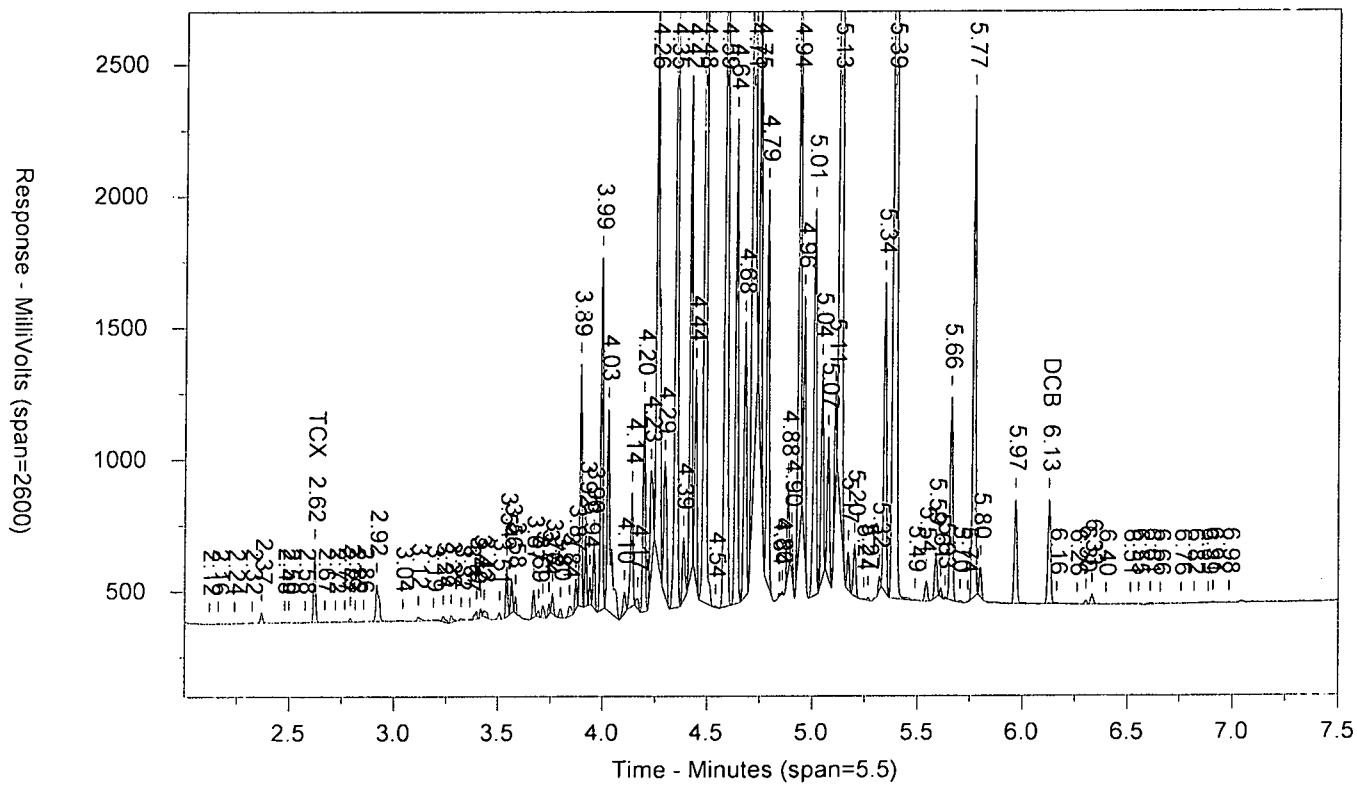

LANCASTER LABORATORIES

Sample Number: 8998329ACF DF20 ACA4614 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:19:01 AM Sample Weight: 10.38
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	206938	28.526	TCX	2.62	275499	27.875	TCX
6.633	178852	34.57	DCB	6.126	395588	32.334	DCB

Files:
Area File: 25pcbs17116016.080.RAW
Area File: 25pcbs17116016B.080.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 8:27:33 AM
File Reported On: 5/22/2017 at 8:27:40 AM

8998329ACF DF20 ACA4614 T 171390030A 10225 SW-846 8082

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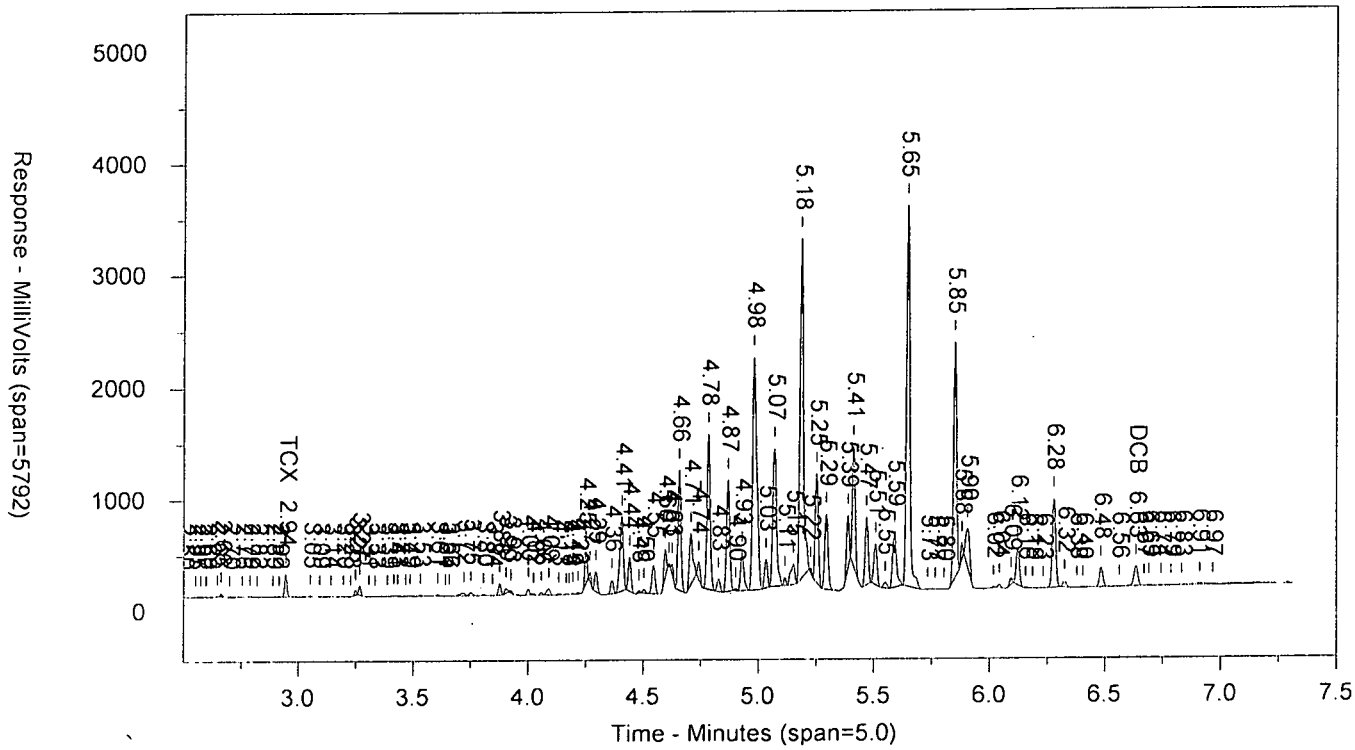

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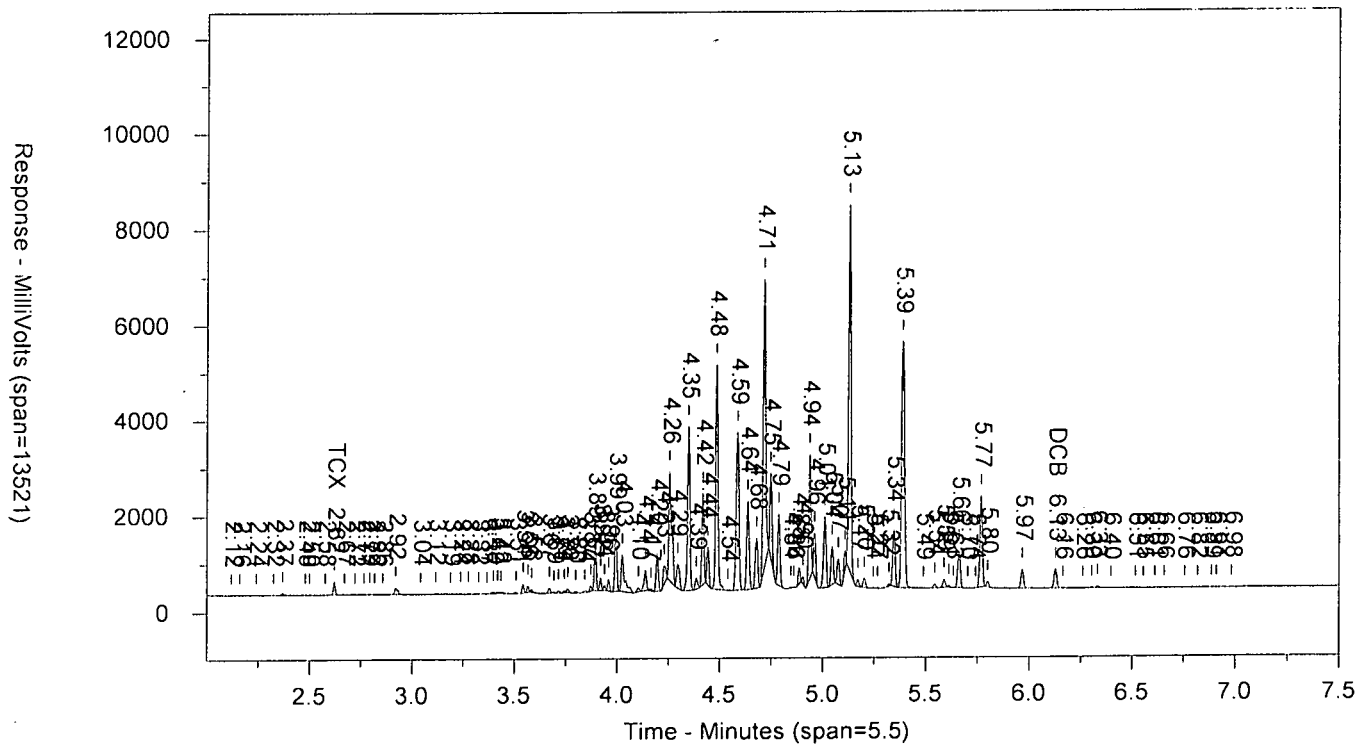

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Data Summary

Sample Name: 8998330 ACF DF200 A4615 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.45 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 08:41:34
Instrument	18274A
Result file	25PCBS17116016.082.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 122% (61 - 152) Conc: 34.02394
%SSR(DCB) * 198% (48 - 164) Conc: 55.58927

Analysis Report (B)

Injected on	May 22, 2017 08:41:34
Instrument	18274B
Result file	25PCBS17116016B.082.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 127% (61 - 152) Conc: 35.66346
%SSR(DCB) * 186% (48 - 164) Conc: 52.03505

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	24848	34.02394
Decachlorobiphenyl	6.61	6.63	6.67	28953	55.58927

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	35485	35.66346
Decachlorobiphenyl	6.10	6.13	6.16	64091	52.03505

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	34.02394				4.71	
☑ Decachlorobiphenyl	A	55.58927				6.60	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.38**	
4.76	4.78	4.80	896899	35487.694439			1
5.05	5.07	5.09	717946.1	49028.454739			2
5.23	5.25	5.27	669847.8	38967.930417			3
5.40	5.41	5.44	730008.2	38972.51923			4
5.63	5.65	5.67	2221376	43739.949101			5
5.83	5.85	5.87	1298450	41860.161515			6

Height summation: **6534527.1**
Concentration CF: **41342.784907** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.94**	
4.33	4.35	4.37	2277502	41509.14981			1
4.47	4.48	4.51	2996498	47677.038074			2
4.57	4.59	4.61	2133845	39550.495886			3
4.92	4.94	4.96	1754385	40584.503923			4
5.11	5.13	5.15	5003288	46933.614632			5
5.37	5.39	5.41	3418800	53466.369495			6

Height summation: **17584318**
Concentration CF: **44953.528637** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<9760.7652	<1894.7368			4	
☑ PCB-1221			<9760.7652	<2928.2296			3	
☑ PCB-1232			<9760.7652	<2354.0669			4	
☑ PCB-1242			<9760.7652	<2354.0669			4	
☑ PCB-1248			<9760.7652	<1894.7368			4	
☑ PCB-1254			<9760.7652	<2526.3157			4	
☑ PCB-1260	B	44953.528637	9760.7652	2239.2344		8.37	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Spectalist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998330** ACF DF200 A4615 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.45 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 08:41:34
Instrument : CP25--18274A
Result file : 25PCBS17116016.082.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 122% (61-152) Conc.: 34.02394 Pass
%SSR(DCB) : *198% (48-164) Conc.: 55.58927

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	73.90	
3.18	3.20	3.22	2002.22	164.541269			1
+ 3.40	3.40	3.44	563.1232	48.75702			2
3.40	3.42	3.44	1869.727	161.886985			2
3.51	3.53	3.55	3186.054	217.752409			3
3.73	3.75	3.77	14697.07	826.731079			4
3.79	3.80	3.83	5949.824	374.692778			5
3.98	4.00	4.02	9170.721	818.367541			6
Height Summation:			36875.616				
Amount Avg CF:			427.328677	Linear:			
Aroclor-1221					3	46.71	
3.07	3.09	3.11	1107.496	186.844614			1
3.13	3.14	3.17	1684.071	309.507356			2
3.18	3.20	3.22	2002.22	120.232417			3
Height Summation:			4793.787				
Amount Avg CF:			205.528129	Linear:			
Aroclor-1232					6	83.37	
3.18	3.20	3.22	2002.22	134.555696			1
+ 3.40	3.40	3.44	563.1232	102.036133			2
3.40	3.42	3.44	1869.727	338.788586			2
3.52	3.53	3.56	3186.054	438.78968			3
3.74	3.75	3.78	14697.07	1650.510212			4
3.79	3.80	3.83	5949.824	803.084302			5
+ 3.79	3.83	3.83	415.4384	56.074273			5
3.99	4.00	4.03	9170.721	1893.329676			6
Height Summation:			36875.616				
Amount Avg CF:			876.509692	Linear:			
Aroclor-1242					6	73.57	
3.18	3.20	3.22	2002.22	193.890572			1
+ 3.40	3.40	3.44	563.1232	58.785067			2
3.40	3.42	3.44	1869.727	195.182915			2
3.51	3.53	3.55	3186.054	260.801995			3
3.73	3.75	3.77	14697.07	992.71448			4
3.79	3.80	3.83	5949.824	468.680078			5
3.98	4.00	4.02	9170.721	983.802786			6
Height Summation:			36875.616				
Amount Avg CF:			515.845471	Linear:			
Aroclor-1248					6	212.20	
3.79	3.80	3.83	5949.824	653.417679			1
3.86	3.88	3.90	22215.21	1553.677784			2
3.98	4.00	4.02	9170.721	554.618856			3
4.07	4.09	4.11	18113.07	1272.98303			4
4.25	4.27	4.29	39919.88	2819.212386			5
4.64	4.66	4.68	628973.2	54375.094454			6
Height Summation:			724341.905				
Amount Avg CF:			10204.834032	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 08:41:34
Instrument : CP25--18274B
Result file : 25PCBS17116016B.082.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 127% (61-152) Conc.: 35.66346
%SSR(DCB) : *186% (48-164) Conc.: 52.03505

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	60.67	
3.22	3.24	3.26	5671.609	248.928411			2
3.41	3.43	3.45	18948.46	735.714748			3
3.49	3.51	3.53	12404.36	462.944279			4
3.65	3.67	3.69	23954.3	1103.102643			5
3.74	3.74	3.78	28935.75	1458.367826			6
+ 3.74	3.76	3.78	22114.3	1114.565325			6
Height Summation:			89914.479				
Amount Avg CF:			801.811581	Linear:			
Aroclor-1221					2	42.65	
2.77	2.79	2.81	10773.18	1213.44266			1
2.84	2.85	2.88	3569.894	651.138148			2
Height Summation:			14343.074				
Amount Avg CF:			932.290404	Linear:			
Aroclor-1232					5	53.75	
3.22	3.24	3.26	5671.609	527.514467			2
3.41	3.43	3.45	18948.46	1639.555748			3
3.49	3.51	3.53	12404.36	1039.298298			4
3.65	3.67	3.69	23954.3	2606.093525			5
+ 3.65	3.69	3.69	8946.104	973.285953			5
3.75	3.76	3.79	22114.3	2410.406307			6
Height Summation:			83093.029				
Amount Avg CF:			1644.573669	Linear:			
Aroclor-1242					5	58.03	
3.22	3.24	3.26	5671.609	311.71025			2
3.41	3.43	3.45	18948.46	916.014301			3
3.49	3.51	3.53	12404.36	587.734927			4
3.65	3.67	3.69	23954.3	1357.517416			5
3.74	3.74	3.78	28935.75	1714.864005			6
+ 3.74	3.76	3.78	22114.3	1310.593887			6
Height Summation:			89914.479				
Amount Avg CF:			977.56818	Linear:			
Aroclor-1248					6	188.25	
3.41	3.43	3.45	18948.46	1839.529248			1
3.52	3.54	3.56	40688.29	1546.181331			2
3.65	3.67	3.69	23954.3	761.117076			3
+ 3.65	3.69	3.69	8946.104	284.25095			3
3.74	3.76	3.78	22114.3	919.999055			4
3.88	3.89	3.92	388954.2	8046.446462			5
4.24	4.26	4.28	1212312	52946.052662			6
Height Summation:			1706971.55				
Amount Avg CF:			11009.887639	Linear:			
Aroclor-1254					6	95.41	
4.18	4.20	4.22	299789.5	7470.536703			1
4.24	4.26	4.28	1212312	16454.802878			2
4.33	4.35	4.37	2277502	67329.173715			3
4.40	4.42	4.44	1028049	20869.128378			4
+ 4.40	4.44	4.44	543374.9	11030.369706			4
4.47	4.48	4.51	2996498	109701.503843			5
4.62	4.64	4.66	935823.8	26042.503343			6
Height Summation:			8749974.3				
Amount Avg CF:			41311.27481	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998330** ACF DF200 A4615 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.45 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 08:41:34
Instrument : CP25--18274A
Result file : 25PCBS17116016.082.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	99.35	
4.24	4.25	4.28	107998.1	7091.678244			1
+ 4.24	4.27	4.28	39919.88	2621.332639			1
+ 4.58	4.60	4.62	70094.6	3877.825627			2
4.58	4.61	4.62	71928.88	3979.30303			2
4.64	4.66	4.68	628973.2	17995.893754			3
4.77	4.78	4.81	896899	79411.622657			4
4.86	4.87	4.89	571697.2	22239.007673			5
5.05	5.07	5.09	717946.1	37549.69769			6
Height Summation:			**2995442.48**				
Amount Avg CF:			**28044.533841**	Linear:			
Aroclor-1260					6	11.38	
4.76	4.78	4.80	896899	35487.694439			1
5.05	5.07	5.09	717946.1	49028.454739			2
5.23	5.25	5.27	669847.8	38967.930417			3
5.40	5.41	5.44	730008.2	38972.51923			4
5.63	5.65	5.67	2221376	43739.949101			5
5.83	5.85	5.87	1298450	41860.161515			6
Height Summation:			**6534527.1**				
Amount Avg CF:			**41342.784907**	Linear:			
Aroclor-1262					6	30.42	
5.23	5.25	5.27	669847.8	21836.175762			1
5.40	5.41	5.44	730008.2	27637.345284			2
5.63	5.65	5.67	2221376	32621.298395			3
5.83	5.85	5.87	1298450	31083.346663			4
5.89	5.90	5.93	234996.2	12272.516206			5
6.26	6.28	6.30	551203.9	22298.8542			6
Height Summation:			**5705882.1**				
Amount Avg CF:			**24624.922752**	Linear:			
Aroclor-1268					6	96.36	
5.83	5.85	5.87	1298450	17603.305472			1
5.89	5.90	5.93	234996.2	3501.239063			2
6.03	6.04	6.07	17236.04	276.506946			3
+ 6.09	6.09	6.13	42205.3	2602.772787			4
6.09	6.12	6.13	227563.8	14033.708228			4
6.26	6.28	6.30	551203.9	20862.151607			5
6.47	6.48	6.51	119722.3	551.820324			6
Height Summation:			**2449172.24**				
Amount Avg CF:			**9471.455274**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 08:41:34
Instrument : CP25--18274B
Result file : 25PCBS17116016B.082.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	11.94	
4.33	4.35	4.37	2277502	41509.14981			1
4.47	4.48	4.51	2996498	47677.038074			2
4.57	4.59	4.61	2133845	39550.495886			3
4.92	4.94	4.96	1754385	40584.503923			4
5.11	5.13	5.15	5003288	46933.614632			5
5.37	5.39	5.41	3418800	53466.369495			6
Height Summation:			**17584318**				
Amount Avg CF:			**44953.528637**	Linear:			
Aroclor-1262					6	34.24	
4.73	4.75	4.77	1304074	18874.560572			1
4.92	4.94	4.96	1754385	25675.251649			2
5.11	5.13	5.15	5003288	34990.797317			3
5.33	5.34	5.36	778497.5	14479.678387			4
5.37	5.39	5.41	3418800	36630.858405			5
5.75	5.77	5.79	1238645	23108.188516			6
Height Summation:			**13497689.5**				
Amount Avg CF:			**25626.555808**	Linear:			
Aroclor-1268					6	127.28	
5.33	5.34	5.37	778497.5	4583.406607			1
5.37	5.39	5.41	3418800	20696.811334			2
5.53	5.54	5.57	45492.11	316.5493			3
5.59	5.61	5.63	20516.57	579.759127			4
5.75	5.77	5.79	1238645	20692.94356			5
5.95	5.97	5.99	246349.4	482.723068			6
Height Summation:			**5748300.58**				
Amount Avg CF:			**7892.032166**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			9760.7662	1894.737		** 60.93	4	40	
Aroclor-1221			9760.7662	2928.2299		** 127.75	3	5	
Aroclor-1232			9760.7662	2354.0672		** 60.93	4	10	
Aroclor-1242			9760.7662	2354.0672		** 61.83	4	30	
Aroclor-1248			9760.7662	1894.737		7.59	4	40	
Aroclor-1254			9760.7662	2526.316		38.26	4	40	
Aroclor-1260			9760.7662	2239.2346		8.37	4	40	
Aroclor-1262			9760.7662	1894.737		3.99	4	40	
Aroclor-1268			9760.7662	1894.737		18.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998330ACF DF200 ADA4615 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:41:34 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.082.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		548	592
2.045		9978	12116
2.09		7230	9787
2.212		62383	49778
2.294		916	1223
2.339		26639	18652
2.377		1920	1633
2.394		1208	1228
2.503		5110	6358
2.547		1967	1784
2.575		458	254
2.599		1740	1491
2.664		12510	12007
2.758		2001	5639
2.79		22666	22040
2.852		603	360
2.883		874	661
2.912		3096	2690
2.944	TCX	24848	18839
3.052		6679	5614
3.092		1107	882
3.143		1684	1851
3.197		2002	1275
3.226		357	196
3.248		46577	27072
3.266		48694	26475
3.4		563	737
3.419		1870	3452
3.463		642	391
3.484		1853	1479
3.527		3186	3465
3.558		755	683
3.582		634	246
3.607		6585	4461
3.631		2702	2314
3.657		628	282
3.695		7498	5090
3.71		2419	1410
3.749		14697	12190
3.805		5950	5156
3.831		415	214
3.876		22215	17194
3.913		21857	26107
3.943		795	2092
4		9171	7211
4.056		8905	6160
4.087		18113	23348
4.131		3641	3444
4.192		9854	8979
4.215		6634	3997
4.251		107998	81704
4.268		39920	21624
4.294		73062	63536
4.364		71135	62846

RT A	Compound A	Height A	Area A
4.406		357795	368260
4.44		170062	143869
4.481		12385	8432
4.503		16682	12206
4.544		136404	132040
4.596		70095	51214
4.612		71929	101188
4.656		628973	554228
4.706		324004	356868
4.741		92430	65411
4.782		896899	897223
4.827		65926	58090
4.868		571697	545187
4.9		10363	6311
4.929		220213	224927
4.979		1382417	1748133
5.031		175750	169333
5.069		717946	856797
5.113		45707	29817
5.151		128599	163713
5.184		1967806	2153846
5.252		669848	626147
5.293		469455	476097
5.388		291537	239366
5.412		730008	612361
5.468		405445	384889
5.507		247991	243591
5.549		29315	31363
5.588		311089	374003
5.646		2221376	2350116
5.732		4790	5118
5.765		1822	1085
5.796		2893	3781
5.85		1298450	1283028
5.88		104647	61620
5.905		234996	267894
5.947		924	847
6.017		6520	5671
6.043		17236	15065
6.092		42205	32943
6.121		227564	218800
6.156		2132	1724
6.184		891	701
6.227		392	396
6.277		551204	556315
6.323		37366	36361
6.365		1793	1461
6.405		1276	1907
6.482		119722	124693
6.568		1690	2659
6.632	DCB	28953	38262
6.667		736	188
6.689		8248	7928
6.786		2136	4323
6.838		1846	3493
6.915		5425	12306
6.968		626	282

LANCASTER LABORATORIES

Sample Number: 8998330ACF DF200 ADA4615 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:41:34 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.082.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.115		1295	1503
2.163		4594	5107
2.21		3097	2848
2.239		2984	3393
2.368		17373	15589
2.417		2191	2890
2.489		1056	2387
2.536		3028	1420
2.553		46574	37463
2.62	TCX	35485	22846
2.709		1587	2435
2.765		1335	1264
2.792		10773	11821
2.854		3570	3280
2.929		95160	113594
3.041		2334	1952
3.116		5937	5271
3.138		2265	1182
3.194		6487	7031
3.239		5672	4122
3.275		14505	10309
3.337		14912	11227
3.369		2219	1523
3.395		9913	9196
3.434		18948	25165
3.506		12404	9878
3.541		40688	25128
3.565		54904	44849
3.599		5883	3626
3.669		23954	15874
3.692		8946	4819
3.714		17742	12262
3.743		28936	15754
3.759		22114	12864
3.797		15878	13162
3.844		22327	23959
3.871		38549	23849
3.893		388954	259675
3.918		105586	60383
3.938		51604	27822
3.958		159167	103684
3.993		721522	501215
4.024		376271	313297
4.063		23224	14493
4.104		38492	31795
4.138		218362	183410
4.166		20519	17492
4.195		299790	229997
4.236		191754	204230
4.256		1212312	1272662
4.294		340448	337850
4.347		2277502	1741591
4.385		134031	114552
4.417		1028049	710210

RT B	Compound B	Height B	Area B
4.442		543375	376682
4.484		2996498	2415208
4.539		6604	4213
4.587		2133845	2086436
4.637		935824	774092
4.677		675562	598531
4.714		4000294	3323088
4.747		1304074	876932
4.785		1033324	797314
4.843		15332	15958
4.884		232804	158000
4.902		84449	47976
4.935		1754385	1343205
4.959		531510	376762
5.009		1026075	906172
5.045		549327	437531
5.075		349450	283898
5.107		215062	127443
5.129		5003289	4156235
5.171		97705	70256
5.201		127811	108341
5.242		3845	2653
5.266		12608	8510
5.299		5568	3652
5.32		34939	21620
5.344		778498	656832
5.387		3418801	3605526
5.543		45492	38974
5.588		110473	87589
5.611		20517	12052
5.634		5114	2681
5.66		537777	455747
5.703		3378	3155
5.767		1238645	1041587
5.798		76120	57056
5.967		246349	225959
6.051		2119	1952
6.126	DCB	64091	60666
6.304		18866	15176
6.332		4649	3930
6.392		1701	1564
6.45		1837	2424
6.613		3522	4318
6.655		2972	2592
6.792		1278	562
6.906		4608	5067
6.981		1696	1616

8998330ACF DF200 ADA4615 T 171390030A 10225 SW-846 8082

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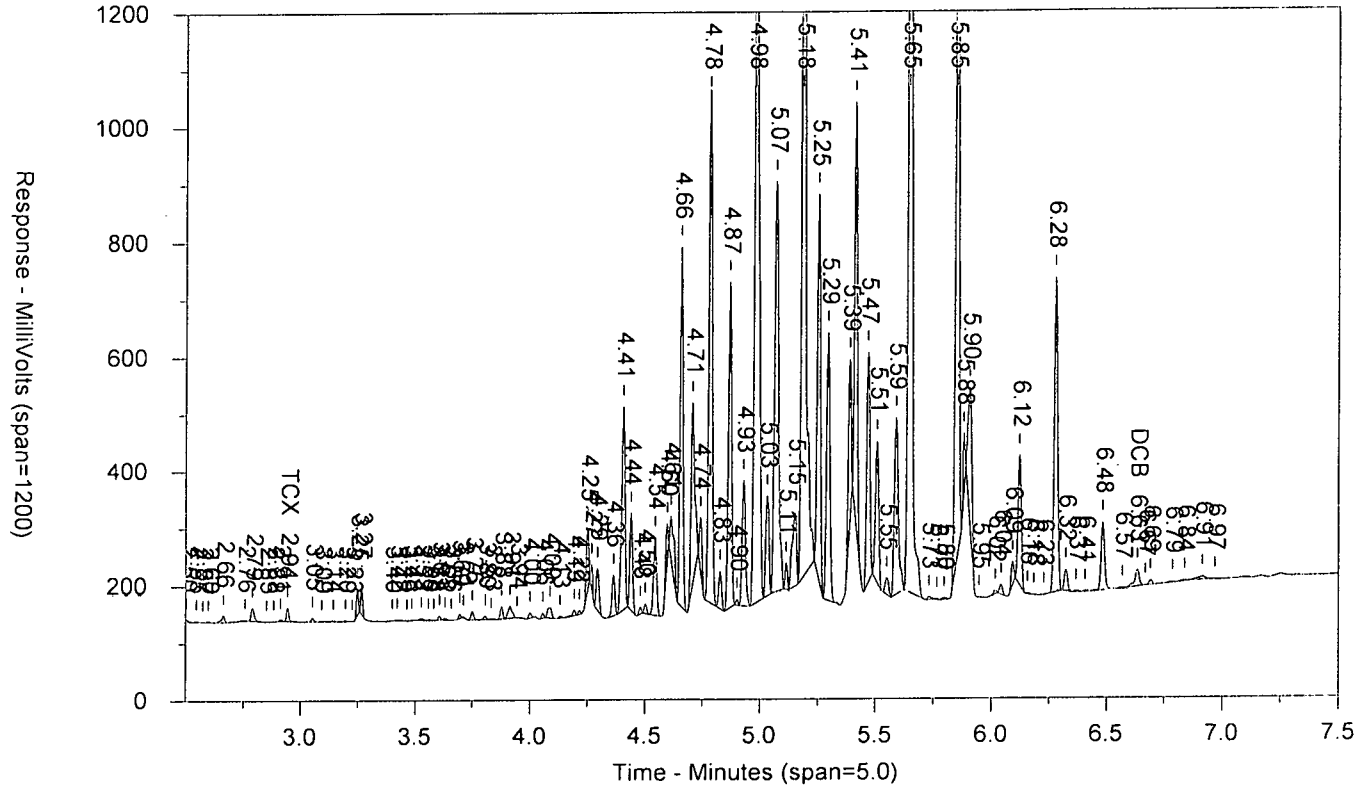

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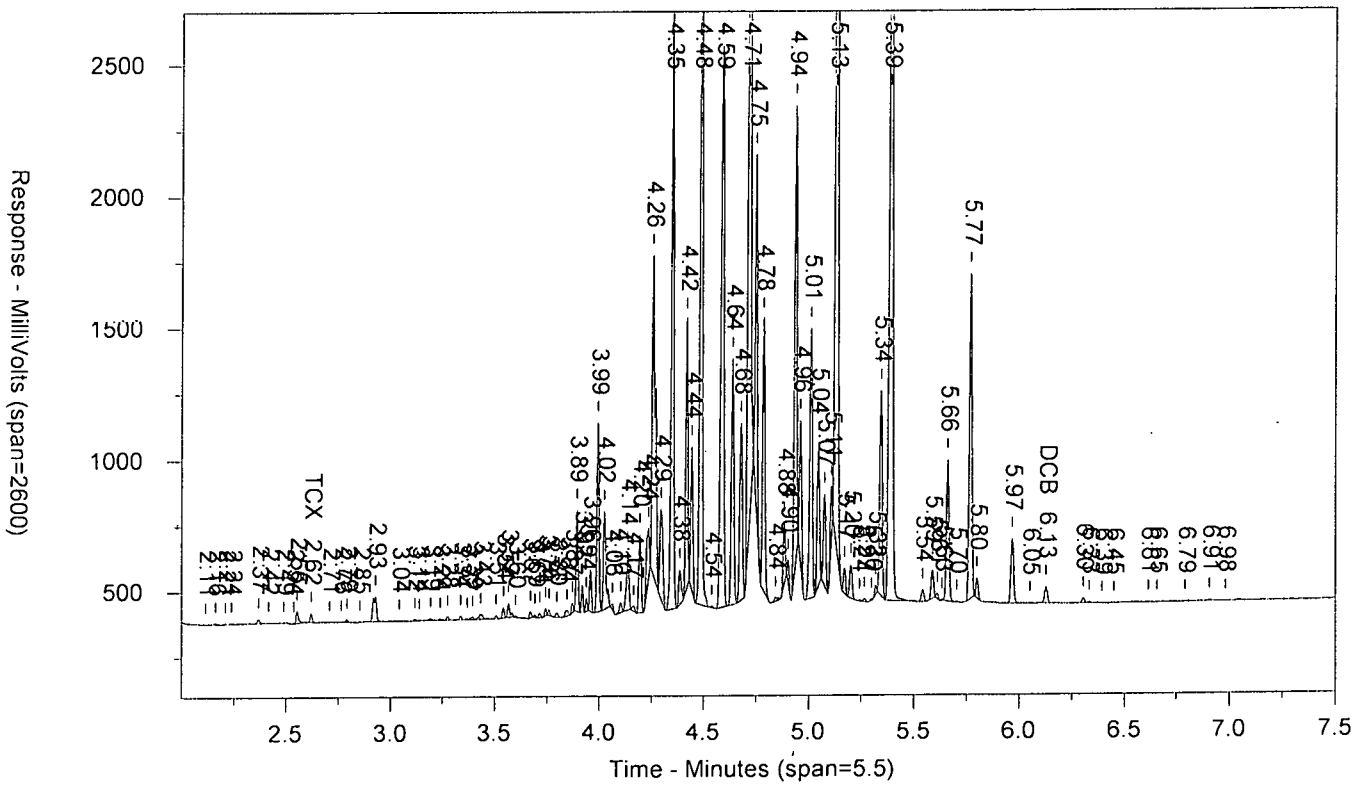

LANCASTER LABORATORIES

Sample Number: 8998330ACF DF200 ADA4615 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 8:41:34 AM Sample Weight: 10.45
Instrument ID: CP25-18274 Dilution Factor: 2000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	24848	34.024	TCX	2.62	35485	35.663	TCX
6.632	28953	55.589	DCB	6.126	64091	52.035	DCB

Files:
Area File: 25pcbs17116016.082.RAW
Area File: 25pcbs17116016B.082.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 8:50:05 AM
File Reported On: 5/22/2017 at 8:50:14 AM

8998330ACF DF200 ADA4615 T 171390030A 10225 SW-846 8082

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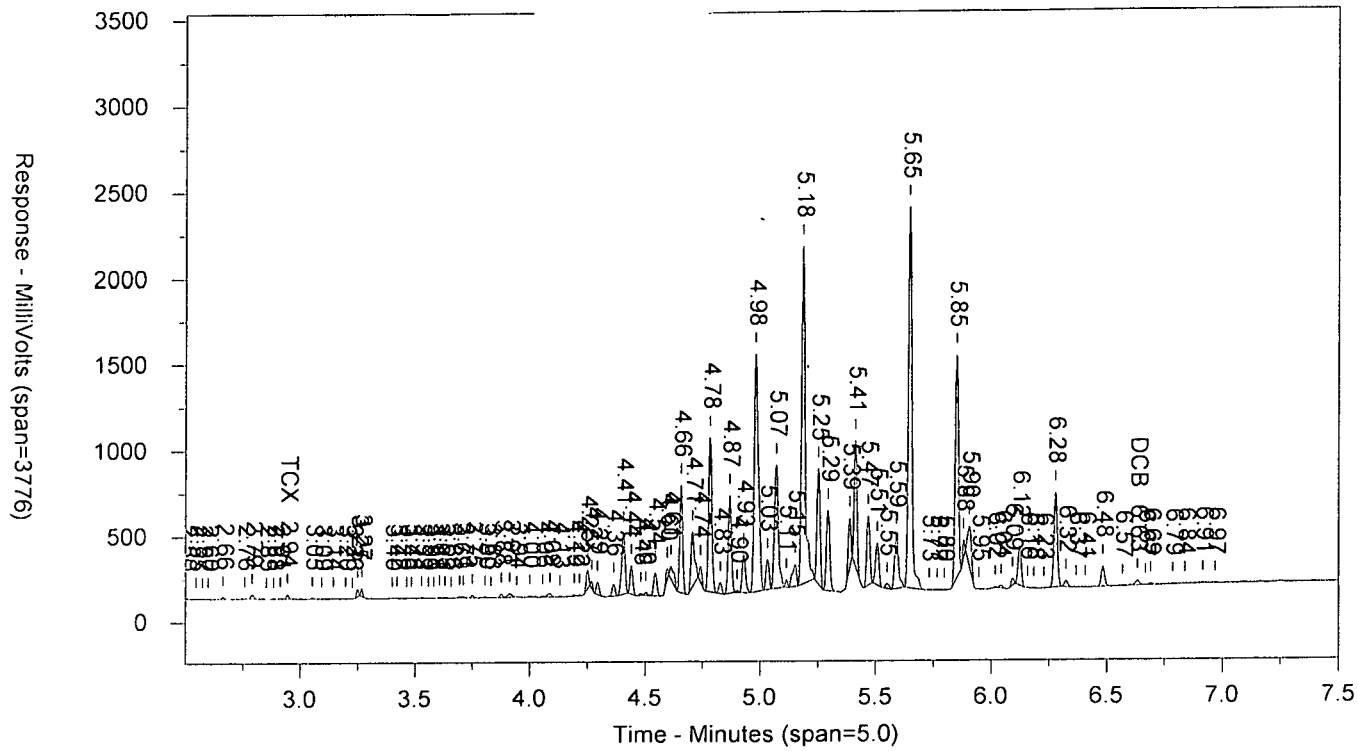

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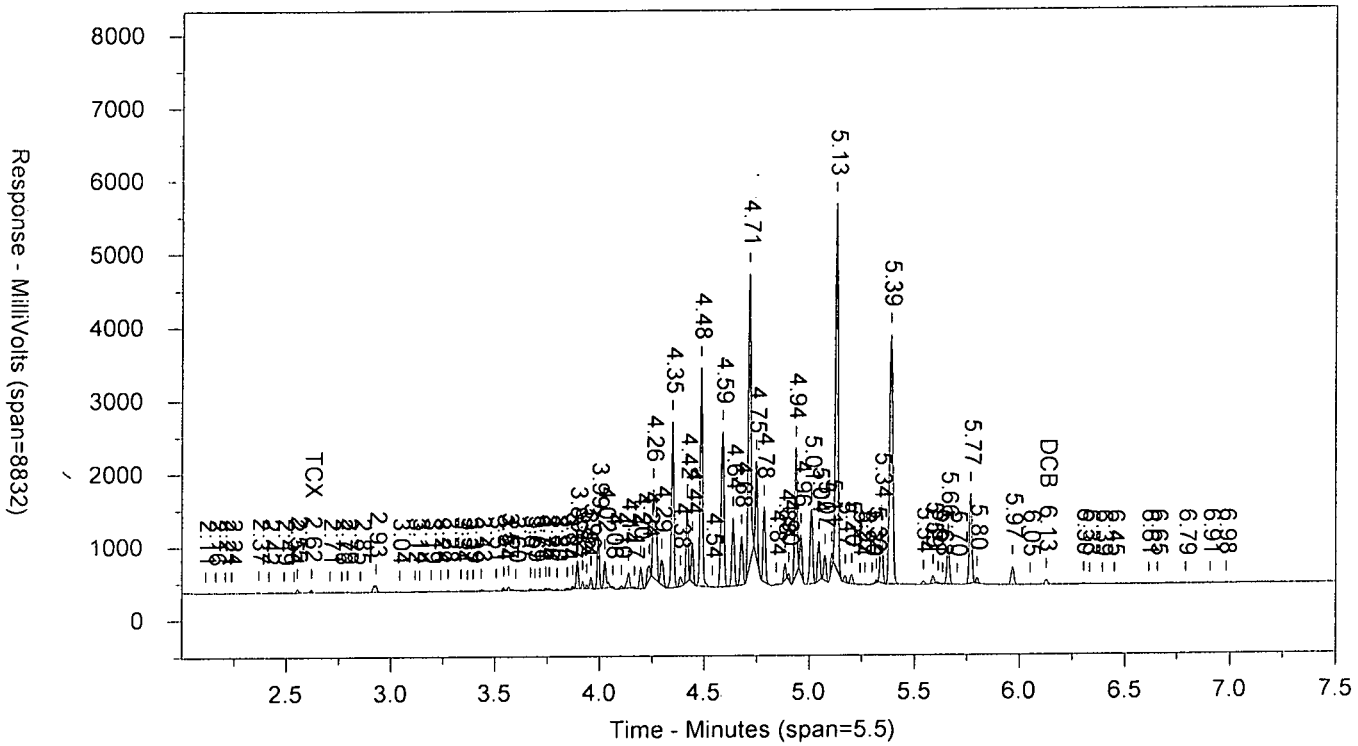

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Data Summary

Sample Name: 8998331 ACF DF200 A4616 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 09:04:10
Instrument	18274A
Result file	25PCBS17116016.084.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 120% (61 - 152) Conc: 33.84931
%SSR(DCB) * 169% (48 - 164) Conc: 47.7965

Analysis Report (B)

Injected on	May 22, 2017 09:04:10
Instrument	18274B
Result file	25PCBS17116016B.084.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 129% (61 - 152) Conc: 36.58694
%SSR(DCB) * 166% (48 - 164) Conc: 46.8708

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	24484	33.84931
Decachlorobiphenyl	6.61	6.63	6.67	24656	47.7965

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	36055	36.58694
Decachlorobiphenyl	6.10	6.13	6.16	57178	46.8708

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	33.84931				7.77	
☑ Decachlorobiphenyl	A	47.7965				1.96	

Multiple Component Data

Aroclor-1260 (%RSD 13.12)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	1094955	43742.787712			1
5.05	5.07	5.09	652054.2	44958.933667			2
5.23	5.25	5.27	641866.3	37700.900259			3
5.40	5.41	5.44	763582.1	41158.773178			4
5.63	5.65	5.67	2757242	54815.95994			5
5.83	5.85	5.87	1473213	47953.151249			6

Height summation: **7382912.6**
Concentration CF: **45055.084334** L:

Aroclor-1260 (%RSD 18.26)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	2667957	49095.290891			1
4.47	4.48	4.51	3892042	62524.284968			2
4.57	4.59	4.61	2359917	44163.321898			3
4.92	4.94	4.96	1865899	43581.222544			4
5.11	5.13	5.15	6132988	58086.680194			5
5.37	5.39	5.41	4243125	66999.068824			6

Height summation: **21161928**
Concentration CF: **54074.97822** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<9855.0724	<1913.0435			4	
☑ PCB-1221			<9855.0724	<2956.5217			3	
☑ PCB-1232			<9855.0724	<2376.8116			4	
☑ PCB-1242			<9855.0724	<2376.8116			4	
☑ PCB-1248			<9855.0724	<1913.0435			4	
☑ PCB-1254			<9855.0724	<2560.7246			4	
☑ PCB-1260	B	54074.97822	9855.0724	2260.8696		18.20	4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998331** ACF DF200 A4616 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 09:04:10
Instrument : CP25--18274A
Result file : 25PCBS17116016.084.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 120% (61-152) Conc.: 33.84931 Bcs
%SSR(DCB) : *169% (48-164) Conc.: 47.7965

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**63.98**	
3.18	3.20	3.22	1054.255	87.475142			1
+ 3.40	3.40	3.44	392.7811	34.336835			2
3.40	3.42	3.44	1202.05	105.082938			2
3.51	3.53	3.55	2271.169	156.723899			3
3.73	3.75	3.77	8144.586	462.571057			4
3.79	3.80	3.83	6847.363	435.382026			5
3.98	4.00	4.02	4389.892	395.525684			6
Height Summation:			**23909.315**				
Amount Avg CF:			**273.793458**	Linear:			
Aroclor-1221					**3**	**59.61**	
3.07	3.09	3.11	814.1653	138.684188			1
3.13	3.14	3.17	1286.26	238.679589			2
3.18	3.20	3.22	1054.255	63.919209			3
Height Summation:			**3154.6803**				
Amount Avg CF:			**147.094329**	Linear:			
Aroclor-1232					**6**	**71.53**	
3.18	3.20	3.22	1054.255	71.5339			1
+ 3.40	3.40	3.44	392.7811	71.858326			2
3.40	3.42	3.44	1202.05	219.912058			2
+ 3.40	3.44	3.44	838.7036	153.438738			2
3.52	3.53	3.56	2271.169	315.812027			3
3.74	3.75	3.78	8144.586	923.490447			4
3.79	3.80	3.83	6847.363	933.16042			5
3.99	4.00	4.03	4389.892	915.066249			6
Height Summation:			**23909.315**				
Amount Avg CF:			**563.162517**	Linear:			
Aroclor-1242					**6**	**64.72**	
3.18	3.20	3.22	1054.255	103.078124			1
+ 3.40	3.40	3.44	392.7811	41.399026			2
3.40	3.42	3.44	1202.05	126.695758			2
+ 3.40	3.44	3.44	838.7036	88.399142			2
3.51	3.53	3.55	2271.169	187.708167			3
3.73	3.75	3.77	8144.586	555.441785			4
3.79	3.80	3.83	6847.363	544.592514			5
3.98	4.00	4.02	4389.892	475.482288			6
Height Summation:			**23909.315**				
Amount Avg CF:			**332.166439**	Linear:			
Aroclor-1248					**5**	**196.38**	
3.79	3.80	3.83	6847.363	759.252191			1
3.86	3.88	3.90	10149.56	716.693868			2
3.98	4.00	4.02	4389.892	268.053157			3
4.07	4.08	4.11	18843.99	1337.147616			4
4.64	4.66	4.68	325896.6	28446.160342			6
Height Summation:			**366127.405**				
Amount Avg CF:			**6305.461435**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 09:04:10
Instrument : CP25--18274B
Result file : 25PCBS17116016B.084.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 129% (61-152) Conc.: 36.58694
%SSR(DCB) : *166% (48-164) Conc.: 46.8708

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**126.11**	
2.89	2.92	2.93	73891	4360.190313			1
3.22	3.24	3.26	3470.745	153.803717			2
+ 3.41	3.42	3.45	3890.154	152.502961			3
3.41	3.44	3.45	8838.002	346.469954			3
3.49	3.51	3.53	12623.72	475.683025			4
3.65	3.67	3.69	10150.62	471.955391			5
3.74	3.74	3.78	39083.68	1988.857742			6
Height Summation:			**148057.767**				
Amount Avg CF:			**1299.493357**	Linear:			
Aroclor-1221					**2**	**114.84**	
2.84	2.86	2.88	1815.058	334.259891			2
2.89	2.92	2.93	73891	3222.528651			3
Height Summation:			**75706.058**				
Amount Avg CF:			**1778.394271**	Linear:			
Aroclor-1232					**5**	**91.11**	
2.89	2.92	2.93	73891	3486.526099			1
3.22	3.24	3.26	3470.745	325.931803			2
+ 3.41	3.42	3.45	3890.154	339.856049			3
3.41	3.44	3.45	8838.002	772.115561			3
3.49	3.51	3.53	12623.72	1067.896462			4
3.65	3.67	3.69	10150.62	1115.0004			5
+ 3.65	3.69	3.69	6806.982	747.716657			5
Height Summation:			**108974.087**				
Amount Avg CF:			**1353.494065**	Linear:			
Aroclor-1242					**6**	**124.77**	
2.89	2.92	2.93	73891	5206.139758			1
3.22	3.24	3.26	3470.745	192.594308			2
+ 3.41	3.42	3.45	3890.154	189.876435			3
3.41	3.44	3.45	8838.002	431.378376			3
3.49	3.51	3.53	12623.72	603.907513			4
3.65	3.67	3.69	10150.62	580.80512			5
3.74	3.74	3.78	39083.68	2338.655923			6
Height Summation:			**148057.767**				
Amount Avg CF:			**1558.9135**	Linear:			
Aroclor-1248					**5**	**143.43**	
+ 3.41	3.42	3.45	3890.154	381.307645			1
3.41	3.44	3.45	8838.002	866.289029			1
3.52	3.54	3.56	20219.01	775.758985			2
3.65	3.67	3.69	10150.62	325.63906			3
3.88	3.89	3.92	512832.5	10711.668931			5
+ 4.24	4.26	4.28	260115.5	11469.945544			6
4.24	4.27	4.28	588518.9	25951.086094			6
Height Summation:			**1140559.032**				
Amount Avg CF:			**7726.08842**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998331** ACF DF200 A4616 Sample ID: AD **Batchnumber: 171390030A**
Sample Amount: 10.35 g Total Volume: 2000 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 09:04:10
Instrument : CP25--18274A
Result file : 25PCBS17116016.084.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	124.36	
4.24	4.25	4.28	257739.4	17087.938087			1
+ 4.58	4.60	4.62	11225.59	627.030738			2
4.58	4.61	4.62	144397.3	8065.638032			2
4.64	4.66	4.68	325896.6	9414.495448			3
4.77	4.78	4.81	1094955	97884.233018			4
4.86	4.87	4.89	120520.8	4733.553456			5
5.05	5.07	5.09	652054.2	34432.950756			6
Height Summation:			2595563.3				
Amount Avg CF:			28603.1348	Linear:			
Aroclor-1260					6	13.12	
4.76	4.78	4.80	1094955	43742.787712			1
5.05	5.07	5.09	652054.2	44958.933667			2
5.23	5.25	5.27	641866.3	37700.900259			3
5.40	5.41	5.44	763582.1	41158.773178			4
5.63	5.65	5.67	2757242	54815.95994			5
5.83	5.85	5.87	1473213	47953.151249			6
Height Summation:			7382912.6				
Amount Avg CF:			45055.084334	Linear:			
Aroclor-1262					6	40.19	
5.23	5.25	5.27	641866.3	21126.179287			1
5.40	5.41	5.44	763582.1	29187.726333			2
E 5.63	5.65	5.67	2757242	40881.798511			3
5.83	5.85	5.87	1473213	35607.708376			4
5.89	5.91	5.93	213717.6	11269.094061			5
6.26	6.28	6.30	543086.1	22182.724947			6
Height Summation:			6392707.1				
Amount Avg CF:			26709.205253	Linear:			
Aroclor-1268					6	98.43	
5.83	5.85	5.87	1473213	20165.568866			1
5.89	5.91	5.93	213717.6	3214.971703			2
6.03	6.04	6.07	9827.59	159.181108			3
+ 6.09	6.09	6.13	49152.57	3060.493326			4
6.09	6.12	6.13	236664.3	14735.943829			4
6.26	6.28	6.30	543086.1	20753.504497			5
6.47	6.48	6.51	92966.87	432.64012			6
Height Summation:			2569475.46				
Amount Avg CF:			9910.301687	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 09:04:10
Instrument : CP25--18274B
Result file : 25PCBS17116016B.084.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	135.27	
4.18	4.20	4.22	122620.4	3085.134165			1
+ 4.24	4.26	4.28	260115.5	3564.679206			2
4.24	4.27	4.28	588518.9	8065.190598			2
4.33	4.35	4.37	2667957	79634.138114			3
+ 4.40	4.42	4.44	94856.74	1944.171763			4
4.40	4.44	4.44	575735.1	11800.193898			4
4.47	4.48	4.51	3892042	143863.97236			5
4.62	4.64	4.66	297535.5	8359.944102			6
Height Summation:			8144408.9				
Amount Avg CF:			42468.095539	Linear:			
Aroclor-1260					6	18.26	
4.33	4.35	4.37	2667957	49095.290891			1
4.47	4.48	4.51	3892042	62524.284968			2
4.57	4.59	4.61	2359917	44163.321898			3
4.92	4.94	4.96	1865899	43581.222544			4
5.11	5.13	5.15	6132988	58086.680194			5
5.37	5.39	5.41	4243125	66999.068824			6
Height Summation:			21161928				
Amount Avg CF:			54074.97822	Linear:			
Aroclor-1262					6	48.06	
4.73	4.75	4.77	1181644	17267.807873			1
4.92	4.94	4.96	1865899	27571.086199			2
E 5.11	5.13	5.15	6132988	43305.832492			3
5.33	5.34	5.36	655176.3	12303.702266			4
E 5.37	5.39	5.41	4243125	45902.376139			5
5.75	5.77	5.79	1276250	24039.794104			6
Height Summation:			15355082.3				
Amount Avg CF:			28398.433179	Linear:			
Aroclor-1268					6	135.24	
5.33	5.34	5.37	655176.3	3894.621742			1
5.37	5.39	5.41	4243125	25935.314106			2
5.53	5.54	5.57	23328.04	163.892647			3
5.59	5.61	5.63	14357.86	409.645787			4
5.75	5.77	5.79	1276250	21527.178655			5
5.95	5.97	5.99	196833.2	389.422319			6
Height Summation:			6409070.4				
Amount Avg CF:			8720.012543	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			9855.0724	1913.0435		** 130.39	4	40	
Aroclor-1221			9855.0724	2956.5217		** 169.44	3	5	
Aroclor-1232			9855.0724	2376.8116		** 82.47	4	10	
Aroclor-1242			9855.0724	2376.8116		** 129.74	4	30	
Aroclor-1248			9855.0724	1913.0435		20.25	4	40	
Aroclor-1254			9855.0724	2550.7246		39.02	4	40	
Aroclor-1260			9855.0724	2260.8696		18.20	4	40	
Aroclor-1262			9855.0724	1913.0435	E	6.13	4	40	
Aroclor-1268			9855.0724	1913.0435		12.78	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998331ACF DF200 ADA4616 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 9:04:10 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.084.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.01		580	389
2.044		4316	4880
2.09		8862	12963
2.144		972	856
2.212		1776	1666
2.296		1018	1570
2.338		32441	22908
2.376		2070	1943
2.448		543	419
2.502		2676	3983
2.545		2034	2528
2.6		1878	1268
2.648		860	393
2.663		1444	962
2.757		2048	4897
2.79		29547	29479
2.86		512	387
2.886		1091	920
2.913		1547	1304
2.943	TCX	24484	18160
3.033		785	1486
3.094		814	593
3.142		1286	1507
3.197		1054	693
3.249		1338	692
3.267		43788	30001
3.343		356	245
3.401		393	338
3.418		1202	911
3.436		839	591
3.486		1912	1347
3.529		2271	2570
3.559		697	491
3.607		5335	3641
3.629		1261	1044
3.694		6069	4420
3.723		1640	1024
3.749		8145	6953
3.804		6847	6789
3.877		10150	7966
3.913		27905	23955
3.943		2738	3295
4.001		4390	5471
4.057		3442	2289
4.08		18844	16738
4.131		1407	1280
4.194		10024	7652
4.215		5224	3053
4.252		257739	233974
4.297		11376	12265
4.363		53281	47367
4.407		300386	281096
4.441		23796	19191
4.482		879	678

RT A	Compound A	Height A	Area A
4.502		5188	3920
4.542		75715	75227
4.596		11226	9558
4.612		144397	119580
4.656		325897	304421
4.706		401997	443736
4.743		102831	72428
4.782		1094955	1080661
4.825		12362	10996
4.866		120521	128296
4.9		12202	8266
4.928		213319	206897
4.98		1762446	2113706
5.032		188496	181145
5.071		652054	691182
5.113		8339	4026
5.15		137409	163176
5.184		2146707	2310379
5.252		641866	615455
5.293		553456	547933
5.386		251572	198168
5.411		763582	674511
5.468		446586	419068
5.507		327044	318071
5.548		38907	40276
5.59		219720	248280
5.647		2757242	2549802
5.681		16973	12323
5.738		747	633
5.798		1979	1900
5.849		1473213	1463282
5.88		93844	65726
5.906		213718	240383
5.948		1108	1063
6.018		3198	3220
6.042		9828	9267
6.092		49153	41871
6.12		236664	230762
6.226		438	346
6.277		543086	578697
6.322		39106	36002
6.363		1214	969
6.402		1336	1694
6.481		92967	97425
6.572		760	1718
6.632	DCB	24656	32482
6.69		3115	2668
6.738		726	1157
6.781		2171	3554
6.835		1917	3581
6.912		5559	11485
6.988		481	148

LANCASTER LABORATORIES

Sample Number: 8998331ACF DF200 ADA4616 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 9:04:10 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.084.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.134		682	1491
2.161		3364	3835
2.21		2672	2850
2.238		3743	3911
2.326		1448	4891
2.367		2826	2577
2.417		2339	2058
2.47		1545	1934
2.553		66435	60983
2.62	TCX	36055	22241
2.674		1232	758
2.714		1774	2915
2.821		1636	2853
2.858		1815	1836
2.918		73891	52688
3.019		1199	724
3.041		1919	1698
3.115		4015	5070
3.192		4188	5096
3.238		3471	2496
3.275		11655	8207
3.338		10620	7759
3.366		2316	1367
3.392		3234	2261
3.418		3890	2314
3.438		8838	7269
3.507		12624	8872
3.542		20219	12496
3.566		61004	39678
3.599		9040	6592
3.671		10151	7578
3.693		6807	4866
3.717		8595	6865
3.743		39084	25938
3.797		7928	6637
3.844		24777	25709
3.892		512833	385897
3.939		9929	5121
3.958		130615	90819
3.993		615264	422718
4.025		50355	30775
4.042		41073	22289
4.104		8263	11280
4.128		93120	115880
4.195		122620	88025
4.238		250261	153942
4.256		260116	129277
4.269		588519	316113
4.296		374371	393956
4.347		2667957	1976849
4.395		37946	40225
4.417		94857	59166
4.441		575735	430876
4.484		3892042	2996924

RT B	Compound B	Height B	Area B
4.586		2359917	2331212
4.64		297536	246388
4.678		642786	559242
4.714		4530982	3710471
4.747		1181644	831188
4.785		1217140	963757
4.857		6137	5483
4.884		232893	163087
4.902		75580	44202
4.936		1865899	1431660
4.959		415016	275310
5.01		1042730	925225
5.045		680140	558525
5.075		372931	301894
5.107		43156	27727
5.129		6132989	5096086
5.17		120150	92521
5.202		104050	84554
5.241		4399	3192
5.32		29888	18506
5.344		655176	542521
5.387		4243125	4290065
5.543		23328	20499
5.589		133992	109988
5.611		14358	8848
5.661		553836	483424
5.767		1276250	1084860
5.799		73966	55021
5.879		2002	2509
5.967		196833	182791
6.127	DCB	57178	51784
6.238		1119	1164
6.304		8076	9480
6.443		2231	3701
6.539		1554	1950
6.656		2443	2657
6.719		1327	1664
6.804		1025	2285
6.907		4581	8116

8998331ACF DF200 ADA4616 T 171390030A 10225 SW-846 8082

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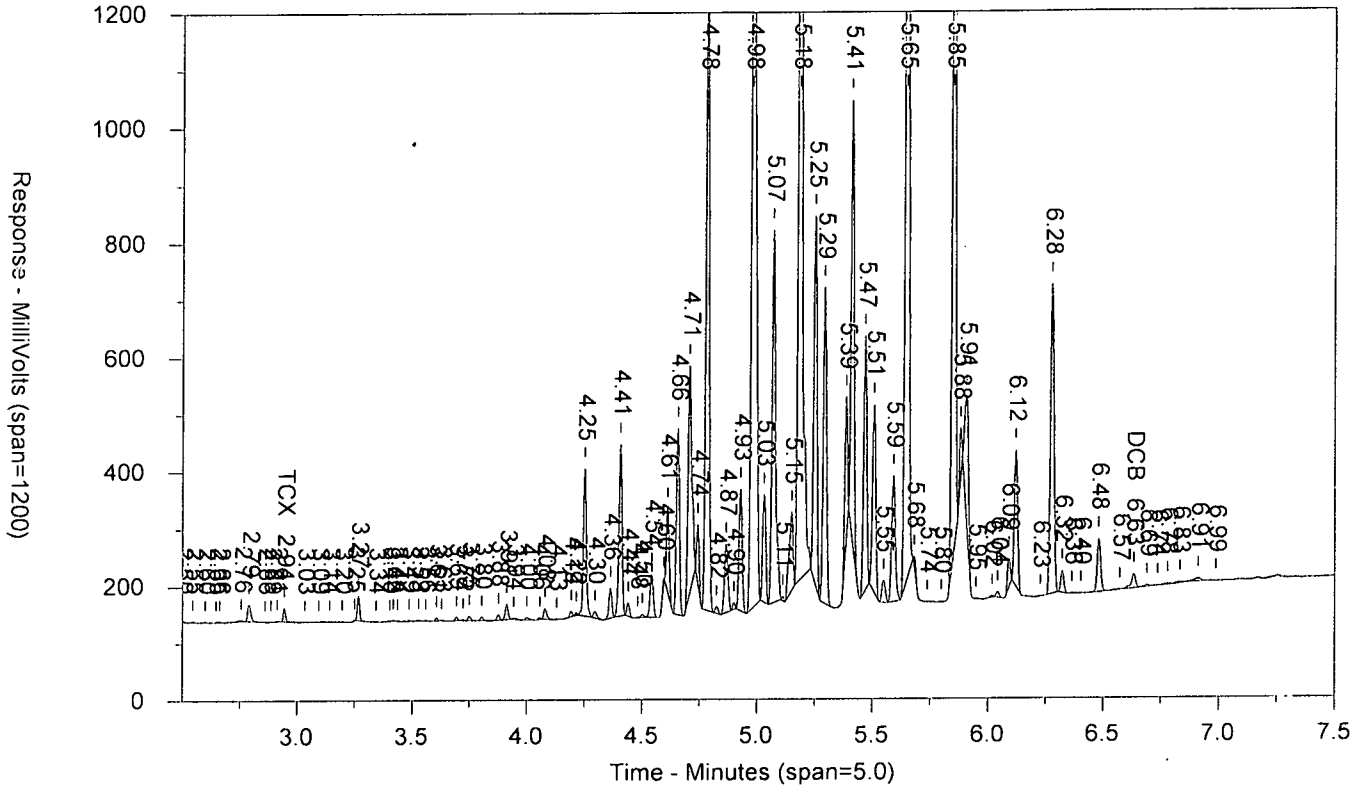

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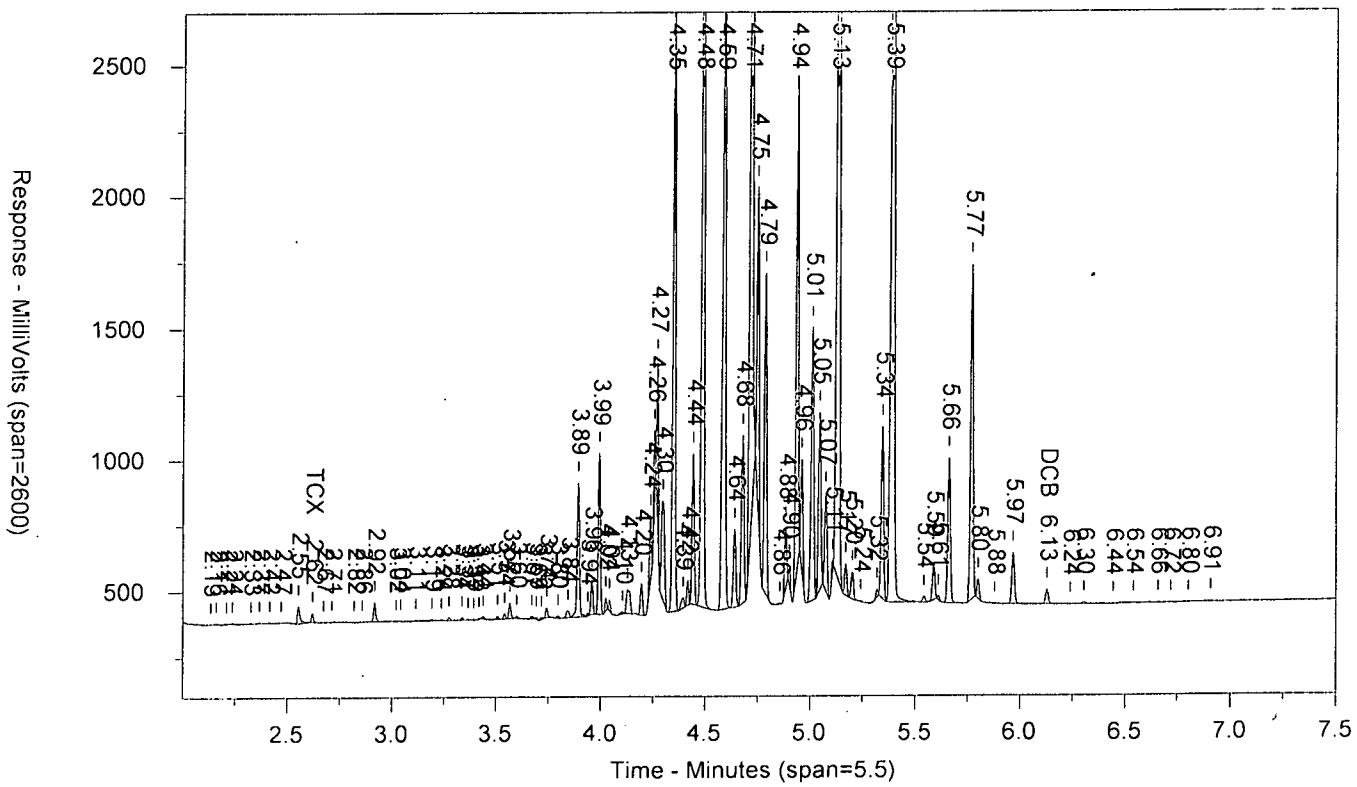

LANCASTER LABORATORIES

Sample Number: 8998331ACF DF200 ADA4616 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 9:04:10 AM Sample Weight: 10.35
Instrument ID: CP25-18274 Dilution Factor: 2000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.943	24484	33.849	TCX	2.62	36055	36.587	TCX
6.632	24656	47.797	DCB	6.127	57178	46.871	DCB

Files:
Area File: 25pcbs17116016.084.RAW
Area File: 25pcbs17116016B.084.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 9:12:42 AM
File Reported On: 5/22/2017 at 9:12:52 AM

8998331ACF DF200 ADA4616 T 171390030A 10225 SW-846 8082

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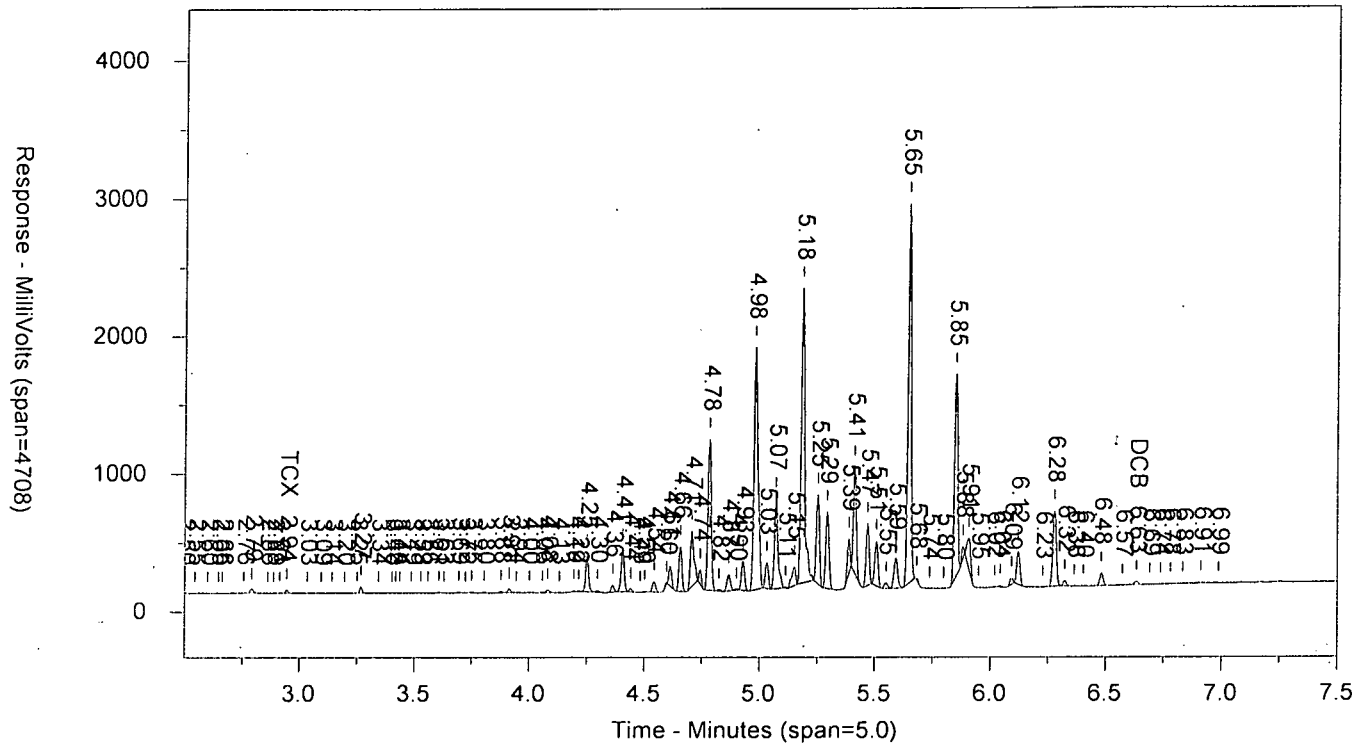

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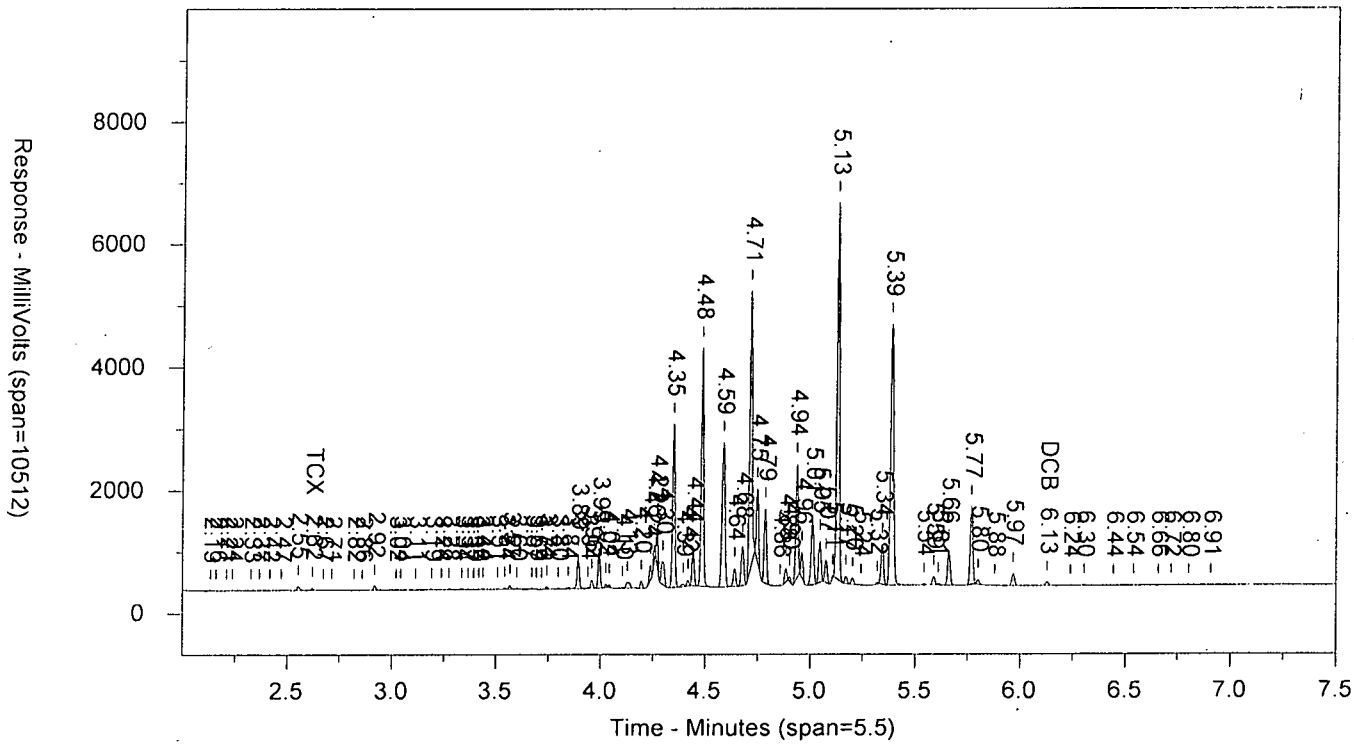

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 61

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	
5 IBLKX1724A	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
6 EVALX1624B	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
7 AR1611724A	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1711599999	10736
8 AR1621724A	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1711599999	10736
9 AR1631724A	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1711599999	10736
10 AR1641724A	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1711599999	10736
11 AR1651724A	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1711599999	10736
12 AR4811724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
13 AR4821724A	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
14 AR4831724A	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
15 AR4841724A	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
16 AR4851724A	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
17 AR5411724A	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
18 AR5421724A	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
19 AR5431724A	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
20 AR5441724A	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
21 AR5451724A	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
22 AR6231624B	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
23 AR6831724A	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
24 AR2131724A	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
25 AR3231724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
26 AR4231724A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
27 AR16XX1724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
28 MD16X1724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
29 IC16X1724A	29	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
30 IC48X1724A	30	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
31 IC54X1724A	31	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
32 BLANKA 4/25/17 ACF	32	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
33 LCSA 4/25/17 ACF	33	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
34 8948180 RI ACF	34	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	171140043A	10736
35 8952554 RI ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	17	10	1	0	171140043A	10736
36 8952555 RI ACF	36	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	10	1	0	171140043A	10736
37 8952556 RI ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	171140043A	10736
38 8952558 RI ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	171140043A	10736
39 8953175 RI ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
40 8953325 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	10	1	0	171140043A	10736
41 8953330 RI ACF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
42 AR1631724A	42	CCAL	TQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
43 IBLKX1724A	43	PIBLK	ID	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
44 8953507 RI ACF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	171140043A	10736
45 8953508 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	10	1	0	171140043A	10736
46 8953508MSACF	46	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.18	10	1	0	171140043A	10736
47 8953508MSDACF	47	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	171140043A	10736
48 8953509 RI ACF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	171140043A	10736
49 8953510 RI ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	171140043A	10736
50 8953511 RI ACF	50	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	171140043A	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 61

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8953512 RI ACF	51	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	10	1	0	171140043A	10736
52 8953513 RI ACF	52	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.08	10	1	0	171140043A	10736
53 8953514 RI ACF	53	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	171140043A	10736
54 AR1631724A	54	CCAL	TR	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
55 IBLKX1724A	55	PIBLK	IE	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736
56 8953515 RI ACF	56	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	10	1	0	171140043A	10736
57 8953516 RI ACF	57	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	171140043A	10736
58 8953517 RI ACF	58	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.29	10	1	0	171140043A	10736
59 8953518 RI ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	10	1	0	171140043A	10736
60 AR1631724A	60	CCAL	TS	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1711599999	10736
61 IBLKX1724A	61	PIBLK	IF	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1711599999	10736

2855, 26 APR 17

Set-up by: 4/26/2017

Date: 4/26/17

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116016.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 97

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
5 AR1631724A	5	CCAL	CU	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
6 IBLKX1724A	6	PIBLK	VO	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
7 CONDITIONER	7	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
8 CONDITIONER	8	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
9 CONDITIONER	9	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
10 CONDITIONER	10	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	
11 AR1631724A	11	CCAL	CV	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
12 IBLKX1724A	12	PIBLK	VP	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
13 BLANKA 5/20/17 AF	13	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
14 LCSA 5/20/17 AF	14	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
15 LCSDA 5/20/17 AF	15	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
16 9000808 RI AF	16	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
17 9002138 RI AF	17	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	171390021A	06030
18 9002171 RI AF	18	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	171390021A	06030
19 9002172 RI AF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
20 9002188 RI AF	20	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
21 9002190 RI AF	21	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390021A	06030
22 BLANKA 5/20/17 AF	22	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390022A	10591
23 AR1631724A	23	CCAL	CW	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
24 IBLKX1724A	24	PIBLK	VQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
25 LCSA 5/20/17 AF	25	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390022A	10591
26 LCSDA 5/20/17 AF	26	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	171390022A	10591
27 8999397 RI AF	27	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	246	2	1	0	171390022A	10591
28 9000469 RI AF	28	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	229	2	1	0	171390022A	10591
29 9000672 RI AF	29	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	171390022A	10591
30 9000680 RI AF	30	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	171390022A	10591
31 BLANKA 5/19/17 ACF	31	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171390002A	10225
32 LCSA 5/19/17 ACF	32	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171390002A	10225
33 AR1631724A	33	CCAL	CX	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
34 IBLKX1724A	34	PIBLK	VR	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
35 8998298 RI ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	10	1	0	171390002A	10225
36 8998298ACF DF5	36	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	50	1	0	171390002A	10225
37 8998299 RI ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	10	1	0	171390002A	10225
38 8998300ACF DF5	38	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	50	1	0	171390002A	10225
39 8998301ACF DF20	39	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	200	1	0	171390002A	10225
40 8998302ACF DF10	40	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	100	1	0	171390002A	10225
41 8998303ACF DF5	41	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.24	50	1	0	171390002A	10225
42 8998304ACF DF5	42	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	50	1	0	171390002A	10225
43 8998305 RI ACF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.47	10	1	0	171390002A	10225
44 8998306ACF DF200	44	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.26	2000	1	0	171390002A	10225
45 8998306ACF DF500	45	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.26	5000	1	0	171390002A	10225
46 8998307ACF DF5	46	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	50	1	0	171390002A	10225
47 8998308ACF DF50	47	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	500	1	0	171390002A	10225
48 8998308ACF DF100	48	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	1000	1	0	171390002A	10225
49 8998309 RI ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	10	1	0	171390002A	10225
50 8998310ACF DF5	50	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	50	1	0	171390002A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116016.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 97

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 8998311ACF DF10	51	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	100	1	0	171390002A	10225
52 8998312ACF DF10	52	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	100	1	0	171390002A	10225
53 8998313 RI ACF	53	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	10	1	0	171390002A	10225
54 8998314ACF DF5	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	50	1	0	171390002A	10225
55 AR1631724A	55	CCAL	CY	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
56 IBLKX1724A	56	PIBLK	VS	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
57 8998315MSACF DF5	57	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.49	50	1	0	171390002A	10225
58 8998316MSDACF DF5	58	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.16	50	1	0	171390002A	10225
59 8998317 RI ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.48	10	1	0	171390002A	10225
60 8998317ACF DF5	60	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.48	50	1	0	171390002A	10225
61 8998318ACF DF5	61	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.43	50	1	0	171390002A	10225
62 8998319ACF DF10	62	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.34	100	1	0	171390002A	10225
63 BLANKA 5/21/17 ACF	63	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171390030A	10225
64 LCSA 5/21/17 ACF	64	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	171390030A	10225
65 8998320ACF	65	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.42	10	1	0	171390030A	10225
66 8998321ACF DF10	66	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	100	1	0	171390030A	10225
67 8998321ACF DF20	67	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	200	1	0	171390030A	10225
68 8998322ACF DF10	68	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	100	1	0	171390030A	10225
69 8998322ACF DF20	69	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	200	1	0	171390030A	10225
70 8998323ACF DF5	70	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	50	1	0	171390030A	10225
71 8998324ACF DF5	71	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.48	50	1	0	171390030A	10225
72 8998325ACF DF10	72	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.27	100	1	0	171390030A	10225
73 8998325ACF DF20	73	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.27	200	1	0	171390030A	10225
74 8998326ACF DF100	74	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	1000	1	0	171390030A	10225
75 8998327ACF DF5	75	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	50	1	0	171390030A	10225
76 8998328ACF DF10	76	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	100	1	0	171390030A	10225
77 AR1631724A	77	CCAL	CZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
78 IBLKX1724A	78	PIBLK	VT	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736
79 8998328ACF DF20	79	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	200	1	0	171390030A	10225
80 8998329ACF DF20	80	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	200	1	0	171390030A	10225
81 8998329ACF DF50	81	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.38	500	1	0	171390030A	10225
82 8998330ACF DF200	82	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.45	2000	1	0	171390030A	10225
83 8998330ACF DF500	83	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.45	5000	1	0	171390030A	10225
84 8998331ACF DF200	84	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	2000	1	0	171390030A	10225
85 8998331ACF DF500	85	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	5000	1	0	171390030A	10225
86 8998330ACF DF100	86	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.45	1000	1	0	171390030A	10225
87 8998333MSACF DF100	87	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	1000	1	0	171390030A	10225
88 8998334MSDACF DF100	88	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	1000	1	0	171390030A	10225
89 8998335ACF DF100	89	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	1000	1	0	171390030A	10225
90 8998336ACF DF5	90	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	50	1	0	171390030A	10225
91 8998337ACF DF20	91	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.29	200	1	0	171390030A	10225
92 8998338ACF DF50	92	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	500	1	0	171390030A	10225
93 8998339ACF DF50	93	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	500	1	0	171390030A	10225
94 8998340ACF DF5	94	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.16	50	1	0	171390030A	10225
95 8998342ACF	95	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.24	10	1	0	171390030A	10225
96 AR1631724A	96	CCAL	DA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714099999	10736
97 IBLKX1724A	97	PIBLK	VU	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714099999	10736

5/22/17

Set-up by: 2855 Date: 22 May 17

5/22/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17116017.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 14

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	
5	AR1631724A	5	CCAL	DE	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	10736
6	IBLKX1724A	6	PIBLK	WL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714199999	10736
7	8998327ACF DF10	7	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	100	1	0	171390030A	10225
8	8998327ACF DF20	8	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.22	200	1	0	171390030A	10225
9	8998328ACF DF50	9	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	171390030A	10225
10	8998332 RI ACF DF100	10	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.36	1000	1	0	171390030A	10225
11	8998333MS RI ACF DF100	11	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	1000	1	0	171390030A	10225
12	8998334MSD RI ACF DF100	12	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	1000	1	0	171390030A	10225
13	AR1631724A	13	CCAL	DF	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1714199999	10736
14	IBLKX1724A	14	PIBLK	WM	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1714199999	10736

2334 5/22/17

Set-up by: 2855 Date: 22may17

5/22/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		901	610
2.044		5784	6218
2.087		4441	6568
2.166		706	666
2.194		588	365
2.24		12287	9638
2.306		804	485
2.34		18312	15685
2.378		1141	2484
2.448		325	218
2.507		1779	1529
2.52		1357	766
2.545		1316	1391
2.604		1293	1862
2.718		1065	1561
2.763		2322	2985
2.791		13605	13340
2.891		1413	1544
2.918		682	643
2.945	TCX	2759522	1921605
3.043		1244	851
3.066		1382	919
3.091		401	269
3.143		36293	25279
3.239		1575	1518
3.276		6489	5440
3.344		340	194
3.373		366	127
3.401		2302	3594
3.478		1305	2170
3.524		1639	1053
3.555		2069	2015
3.59		9645	6354
3.635		3156	3369
3.697		10578	10203
3.742		924	861
3.777		1420	1036
3.8		671	607
3.851		1039	900
3.877		4068	2909
3.927		1610	1720
3.968		1739	1520
4.002		1119	1597
4.058		335	405
4.076		901	947
4.144		379	69
4.196		14908	18774
4.304		8085	10103
4.372		431	1979
4.388		933	840
4.411		554	396
4.459		1049	1245
4.548		1389	2382
4.603		1305	1960

RT A	Compound A	Height A	Area A
4.661		2697	4461
4.753		475	597
4.805		414	360
4.869		1138	2380
4.907		5861	8507
5.022		3713	8054
5.08		179	418
5.094		773	745
5.149		9188	8931
5.23		675	894
5.262		435	209
5.332		561	1503
5.378		2116	3466
5.441		1191	1386
5.478		983	660
5.551		7597	7922
5.603		553	352
5.675		12566	11173
5.703		1334	1114
5.807		297	1740
5.855		1633	2800
5.918		1283	1997
5.964		798	1000
6.013		1981	2481
6.047		21155	19649
6.11		23917	26847
6.17		530	520
6.272		362	2798
6.314		2341	4887
6.361		806	688
6.419		1494	2411
6.487		19734	21630
6.525		445	202
6.574		551	622
6.637	DCB	1890142	2052399
6.709		617	340
6.726		947	291
6.791		1451	2748
6.86		677	4161
6.916		3027	7829
6.973		605	293
6.988		869	224

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		5011	5537
2.162		2312	2605
2.211		4013	3641
2.298		1630	3237
2.364		1725	2544
2.498		6751	7192
2.54		2295	5094
2.554		22679	17933
2.598		1699	1254
2.621	TCX	3705380	2263602
2.786		2852	2696
2.84		49747	28983
2.957		9947	6651
2.984		1430	2940
3.049		2378	3757
3.129		1663	984
3.16		1305	1103
3.22		2114	2858
3.282		2830	1414
3.303		19140	11618
3.34		14735	10484
3.391		4855	5474
3.424		3496	3692
3.466		4148	3676
3.497		1536	1664
3.562		9237	8861
3.696		10768	15885
3.742		5255	13147
3.777		2541	4041
3.923		3741	14350
3.963		33038	30919
4.009		2496	5746
4.096		10443	9378
4.172		7172	16569
4.253		7973	23817
4.461		13732	13593
4.544		2587	10571
4.59		1827	2807
4.691		18446	17210
4.763		2603	3319
4.807		1864	2442
4.868		4448	6460
5.084		12420	10257
5.206		30335	26522
5.242		1646	1269
5.27		2449	1794
5.316		1413	1777
5.403		2520	3087
5.468		1151	998
5.548		44917	40666
5.615		49346	43490
5.665		8609	6705
5.824		2112	6842
5.86		1669	1791

RT B	Compound B	Height B	Area B
5.92		1247	1202
5.97		44350	37693
6.003		2153	2810
6.131	DCB	4486753	3969657
6.464		1831	3369
6.589		4558	4488
6.619		1408	868
6.693		1182	1054
6.766		1352	2710
6.88		863	798

IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082

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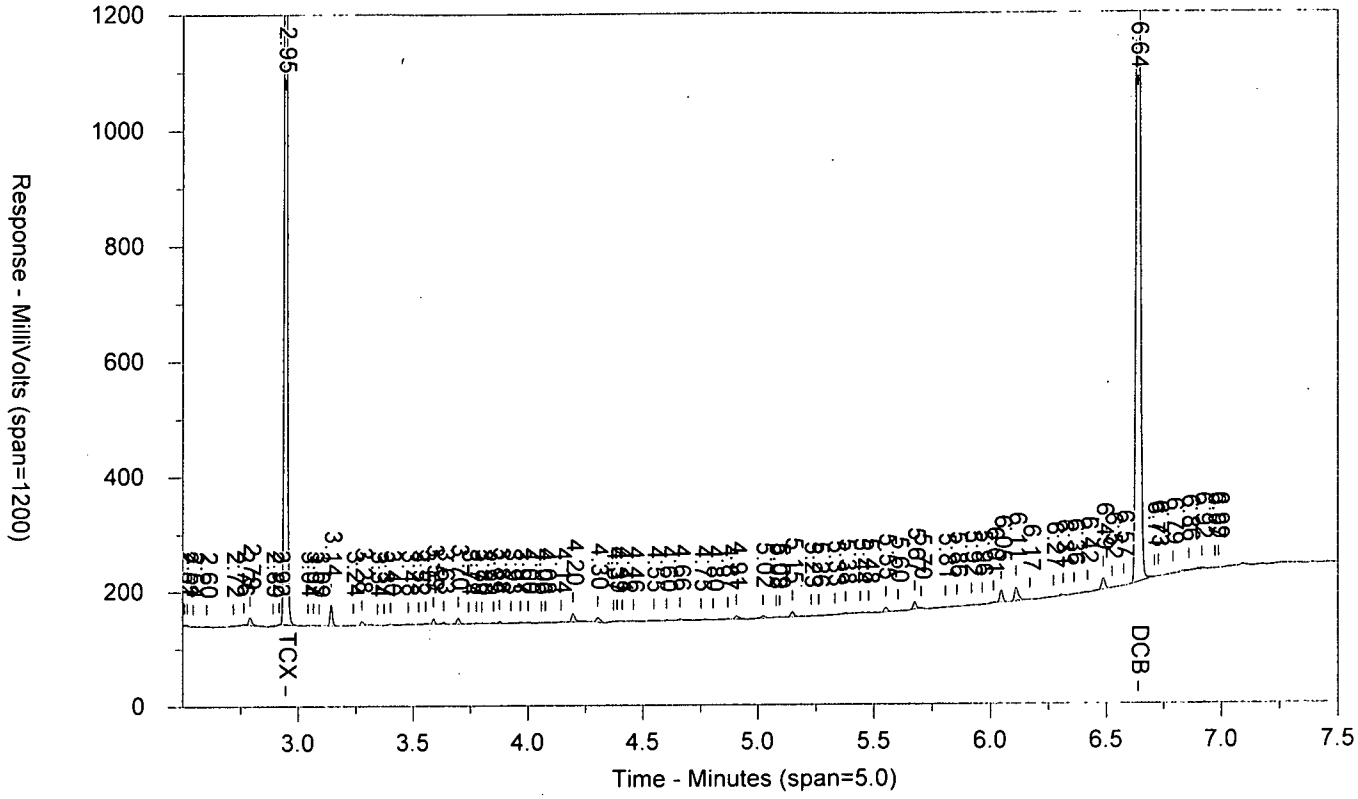

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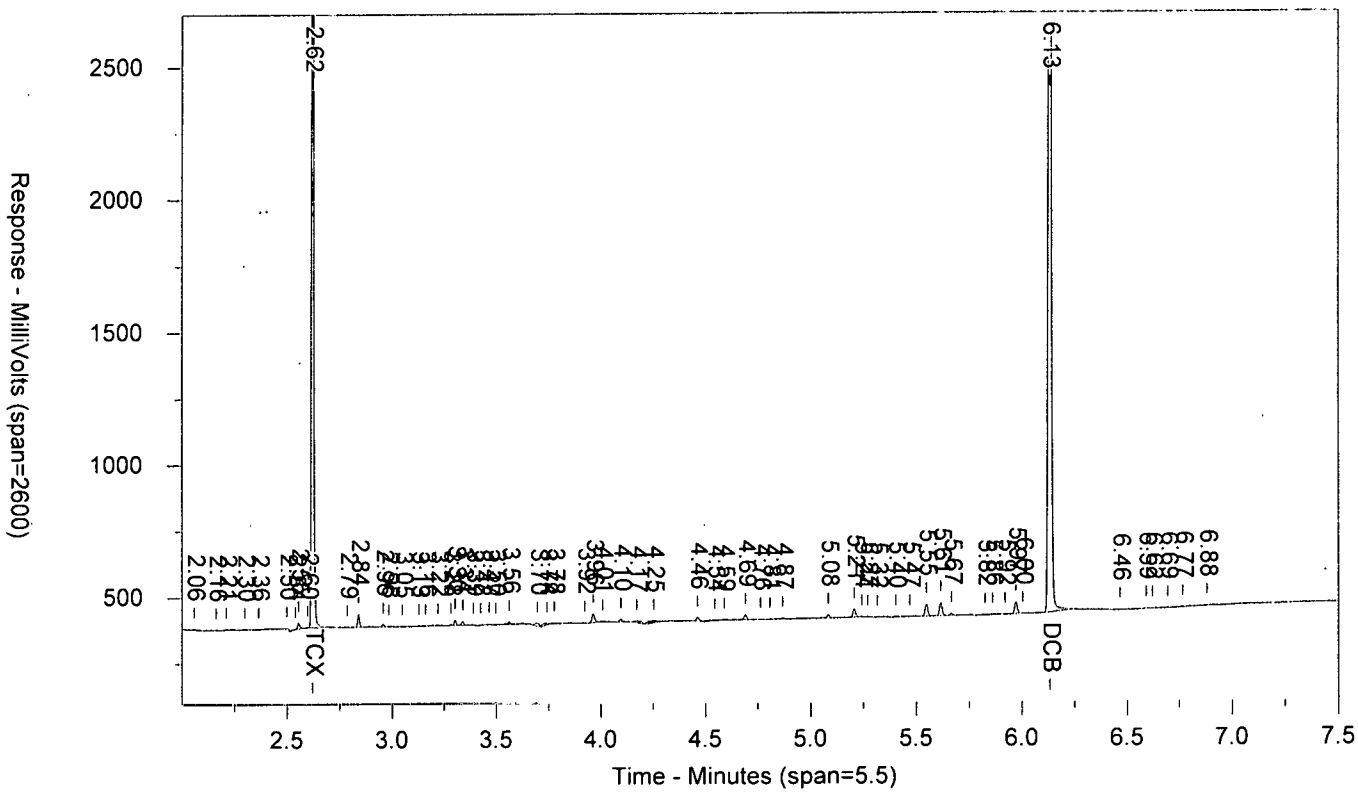

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:26:00 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2759522	.197	TCX	2.621	3705380	.195	TCX
6.637	1890142	.19	DCB	6.131	4486753	.19	DCB

Files:
Area File: 25pcbs17116001.005.RAW
Area File: 25pcbs17116001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:34:31 PM
File Reported On: 4/26/2017 at 6:11:15 PM

IBLKX1724A AAPIBLKAA PIBLK1711599999 10736 SW-846 8082

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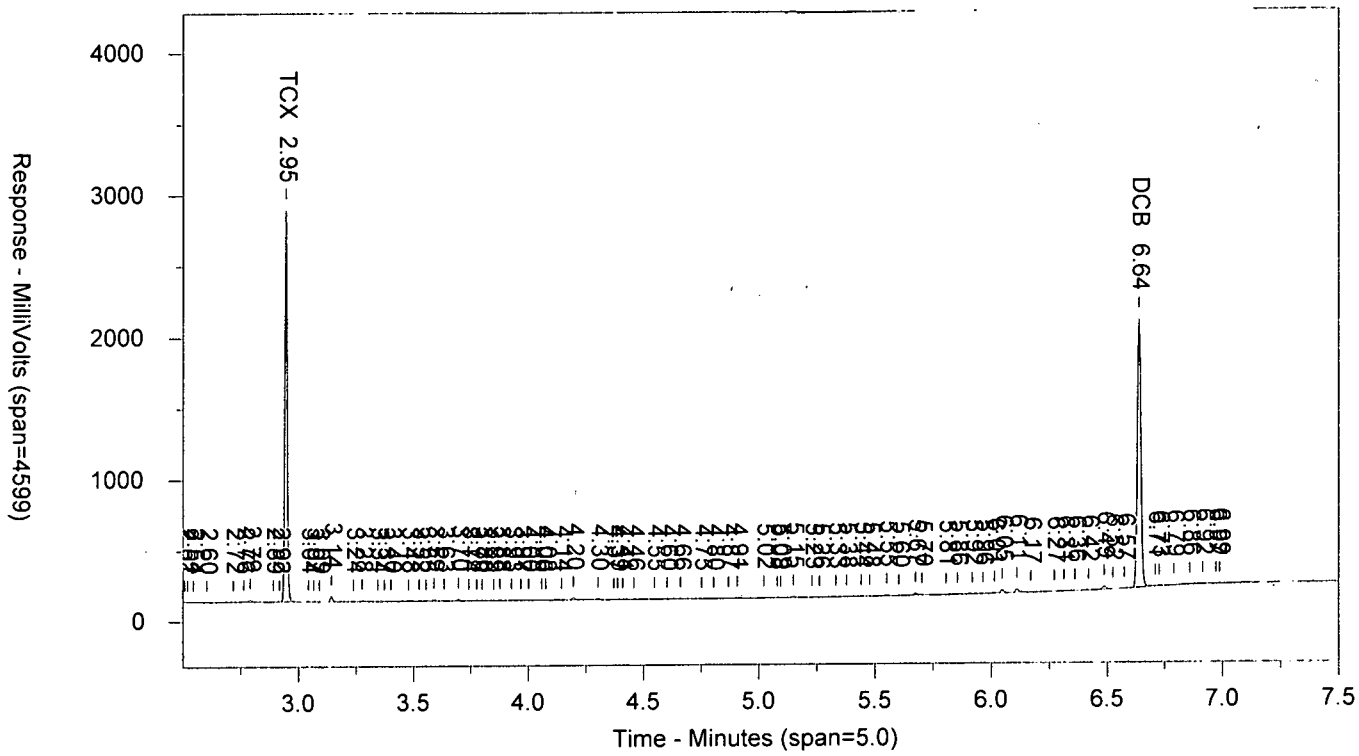

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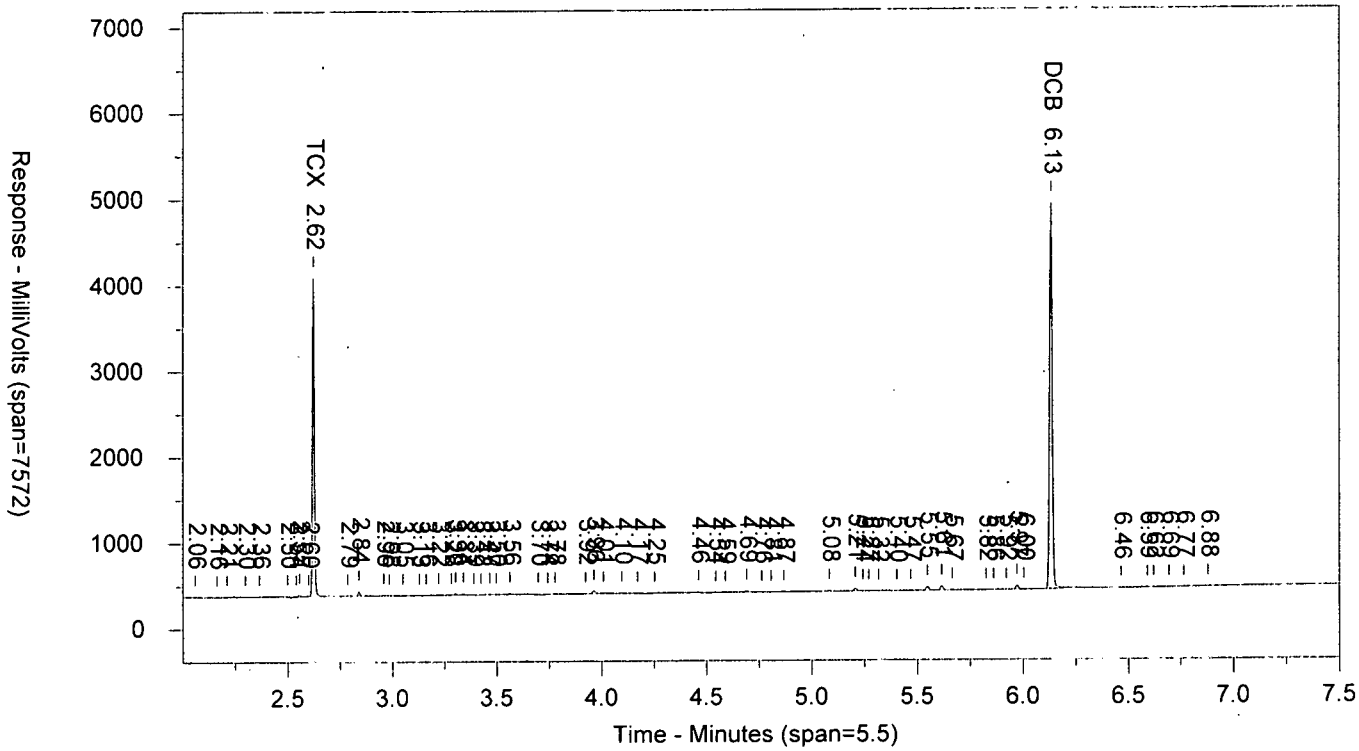

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7303	9088
2.09		4078	5893
2.138		9890	8816
2.217		1232	764
2.24		12580	10519
2.309		588	1197
2.344		64758	55376
2.46		1252	937
2.514		71519	51034
2.552		2009	1876
2.607		617	828
2.668		879	895
2.725		443	1083
2.762		2028	2135
2.791		34588	37535
2.891		1173	1028
2.915		2403	1474
2.945	TCX	2846133	2019818
3.036		1471	1218
3.063		912	641
3.095		492	378
3.143		37760	26547
3.224		2073042	1380046
3.277		7423	7284
3.325		5181	3895
3.383		946	908
3.424		1598120	1098673
3.462		15349	11610
3.507		993	628
3.536		675521	480969
3.591		7418	4763
3.633		3469	4561
3.697		3074	1744
3.715		47215	32654
3.739		3325	2051
3.779		3937	3431
3.835		96245	75477
3.864		6293	3440
3.881		3554	1894
3.924		1161	1127
3.951		1494	854
3.971		2000	2020
4.026		4185	3417
4.073		18025	13471
4.107		17305	15270
4.153		11417	9317
4.196		136606	111349
4.249		42750	38629
4.279		3157	1779
4.305		1974	1319
4.37		6195	6874
4.409		89406	80113
4.466		776	579
4.494		3546	2397

RT A	Compound A	Height A	Area A
4.528		7142	9086
4.558		83620	77068
4.603		73477	61898
4.666		6090	9026
4.726		92400	88472
4.828		80400	72246
4.866		2509406	2286532
4.915		69249	61614
4.97		451198	421484
5.027		1307	1493
5.057		163343	199005
5.118		340492	325987
5.149		3973	2264
5.174		4512	2673
5.207		5783038	5358001
5.283		12467	10221
5.306		30911	24561
5.379		3307	3880
5.423		355941	353265
5.467		5471	3621
5.479		3214	2336
5.515		12993	9986
5.564		7133040	6854288
5.604		168984	138074
5.643		762761	701055
5.675		8575	5478
5.706		2167	2282
5.749		427	199
5.783		1179	978
5.826		2367	4661
5.905		1454	1868
5.973		599	435
6.01		2402	2708
6.047		23018	22094
6.111		26193	34691
6.266		578	2696
6.307		2504	4464
6.365		1191	1439
6.416		1357	1994
6.487		22616	25016
6.568		706	414
6.637	DCB	2118446	2194086
6.712		421	366
6.756		640	544
6.776		885	726
6.835		2498	4443
6.896		382	502
6.914		1605	1763
6.96		1131	1076

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		5429	6586
2.159		52490	38872
2.212		3071	2565
2.243		1896	2438
2.299		876	1355
2.326		79201	50105
2.377		1715	1255
2.501		4431	13054
2.554		79587	75393
2.621	TCX	3921121	2408330
2.71		2012	928
2.784		3204	2810
2.839		54264	31931
2.869		897	554
2.898		2878	2872
2.969		2988118	1695993
3.051		1479	2109
3.088		7951	5049
3.124		26446	18271
3.18		2508644	1425530
3.25		2710	2588
3.28		6768	5435
3.304		12496	8574
3.34		11254	6155
3.362		1073258	648273
3.423		8435	5648
3.447		7144	3327
3.465		19479	10784
3.487		198624	137523
3.519		5295	3002
3.561		17383	14505
3.581		3717	1838
3.6		5478	17927
3.664		4696	2640
3.687		13358	13212
3.734		3461	3020
3.78		206169	145451
3.812		23362	11513
3.828		8208	3868
3.86		13340	7619
3.88		72706	46941
3.902		6313	3186
3.963		34059	30268
3.993		8126	4345
4.014		159136	112305
4.044		12996	8622
4.09		16082	16009
4.13		2918	1332
4.146		9239	5039
4.171		133738	110109
4.217		11351	8437
4.266		166283	144919
4.318		4573	5797
4.392		163668	135903

RT B	Compound B	Height B	Area B
4.449		4506743	3423921
4.49		148903	120430
4.544		1058664	788519
4.584		27474	20927
4.604		7440	5781
4.656		198074	157924
4.687		15687	12102
4.723		14022650	10854480
4.781		678346	540524
4.812		6737	4479
4.867		4750	3507
4.896		31888	30190
4.932		67774	56800
4.969		1150	542
5.001		3195	4920
5.052		532807	640889
5.154		16323090	13540980
5.209		106814	161197
5.282		15241	24638
5.328		2087463	1766584
5.382		63618	48217
5.478		3031	3352
5.548		48276	44962
5.616		52197	48023
5.664		7906	8161
5.727		1993	2008
5.846		1395	1615
5.971		47857	43743
6.131	DCB	4722269	4225265
6.301		1419	3079
6.474		1309	3078
6.548		1297	660
6.59		3928	3287
6.661		622	731
6.692		1077	1410
6.758		1784	2704
6.825		4628	5258
6.949		1205	4409

EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082

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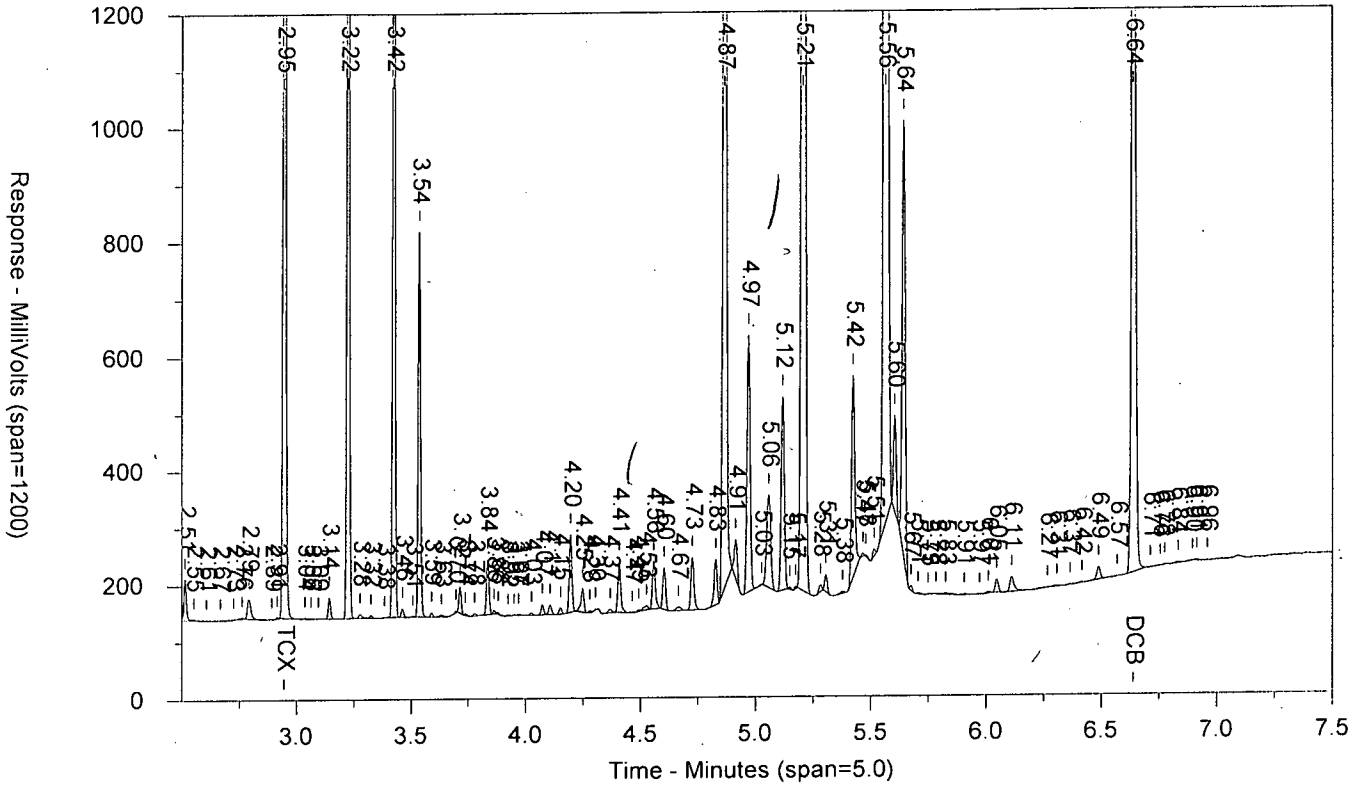

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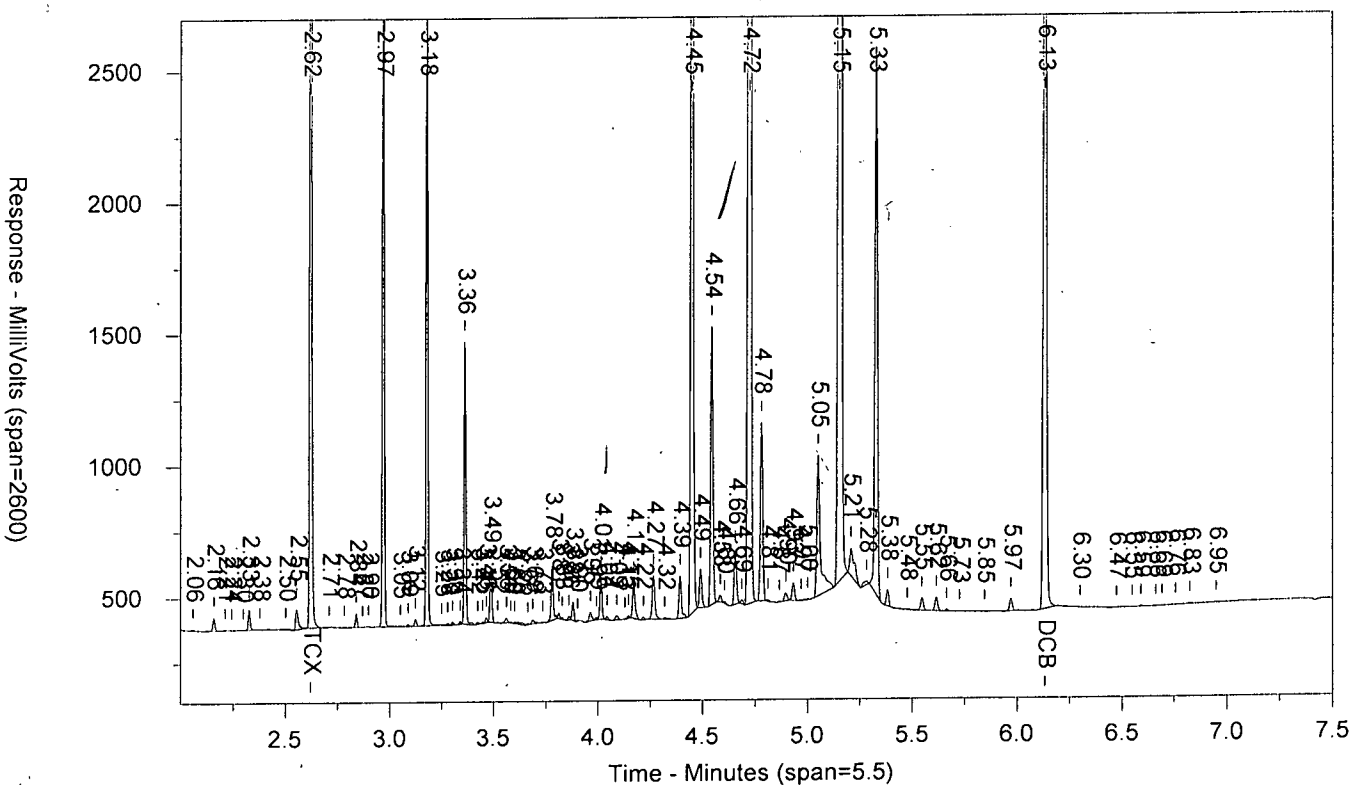

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:37:19 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2846133	22.318	TCX	2.621	3921121	21.171	TCX
6.637	2118446	25.458	DCB	6.131	4722269	24.358	DCB

Files:
Area File: 25pcbs17116001.006.RAW
Area File: 25pcbs17116001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:45:50 PM
File Reported On: 4/26/2017 at 2:45:56 PM

EVALX1624B AAEVALXAA ICAL 1711599999 10736 SW-846 8082

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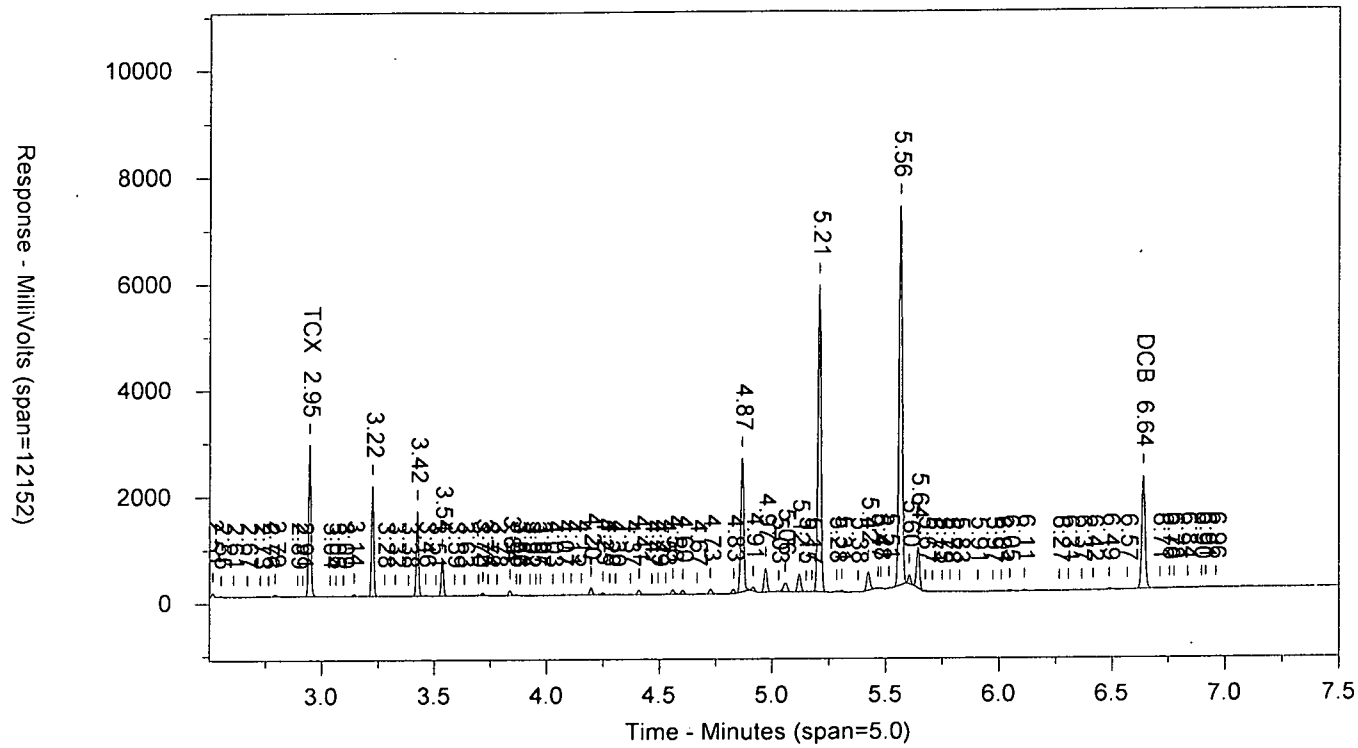

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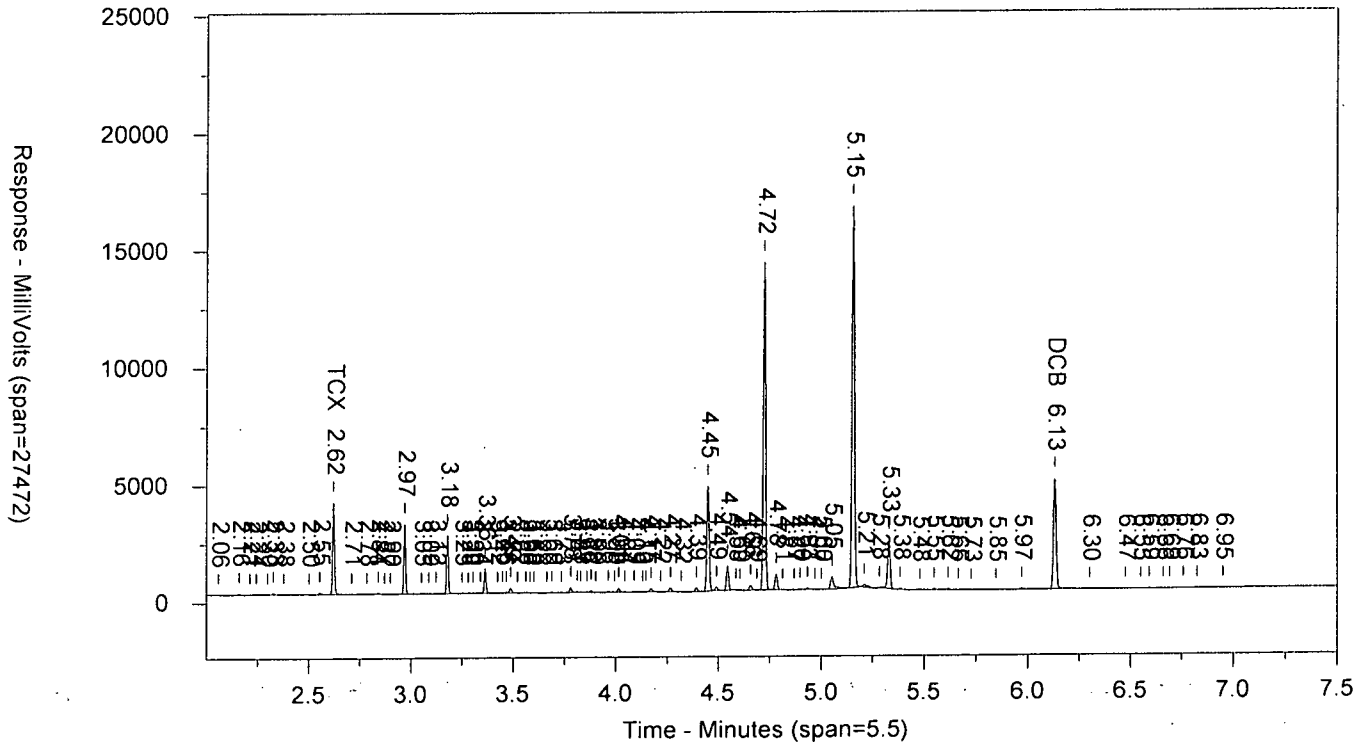


LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.048		18825	19922
2.095		4637	10119
2.169		526	193
2.241		2784	3070
2.319		325	291
2.342		49509	36535
2.375		956	2217
2.453		477	436
2.507		9949	11459
2.546		2123	1754
2.582		1367	883
2.604		9179	6370
2.677		420	541
2.721		410	655
2.761		2829	3263
2.793		31382	31884
2.858		564	313
2.891		804	502
2.918		6109	4700
2.947	TCX	570418	410239
2.984		2300	1545
3.01		758	584
3.048		974	791
3.096		22258	20189
3.153		30447	25490
3.201		137247	99109
3.295		21288	20624
3.42		130254	82640
3.437		61042	32718
3.474		15119	8991
3.501		11590	9561
3.537		163191	131316
3.574		871	324
3.594		1853	1138
3.613		5201	3303
3.648		34677	20789
3.664		16095	8288
3.707		70985	43202
3.718		160153	82037
3.756		192301	151864
3.813		174073	131354
3.855		12576	9136
3.883		117664	87062
3.911		73831	64182
3.931		16443	8784
3.973		3380	3251
4.008		127759	95085
4.032		45500	29209
4.063		48520	34357
4.096		136818	130853
4.137		39944	33042
4.199		15857	15409
4.224		5865	3801
4.259		119752	90353

RT A	Compound A	Height A	Area A
4.276		18601	9682
4.302		39334	41441
4.372		22456	26392
4.415		135441	135565
4.449		4161	2957
4.512		1523	1232
4.551		16692	16844
4.603		16788	11345
4.62		32308	22608
4.664		98975	89935
4.714		122721	138022
4.75		26701	17883
4.79		275828	268896
4.834		2782	2185
4.875		57379	55511
4.908		3850	2667
4.936		57702	52635
4.989		335140	443672
5.04		68010	62957
5.079		157091	179963
5.122		2564	1263
5.158		35172	38913
5.192		413219	439129
5.233		5981	2654
5.259		190135	185724
5.301		126152	124165
5.395		58675	47544
5.42		201645	186115
5.476		117988	111127
5.514		70147	68799
5.555		11676	11993
5.596		76349	89226
5.654		533998	568939
5.76		838	1353
5.806		299	237
5.858		323917	326174
5.888		24277	15516
5.914		77379	89318
5.962		1142	1108
6.013		3439	4332
6.051		10401	9482
6.102		4423	3248
6.13		60438	60802
6.246		1087	4784
6.287		141790	149162
6.332		7925	7492
6.374		2416	2200
6.425		1472	2323
6.492		40372	44083
6.574		1950	2915
6.643	DCB	458502	512201
6.696		666	329
6.743		599	603
6.759		570	295
6.807		746	2844
6.84		2865	4446
6.893		784	963
6.92		1458	1556
6.954		815	167
6.972		765	426

LANCASTER LABORATORIES

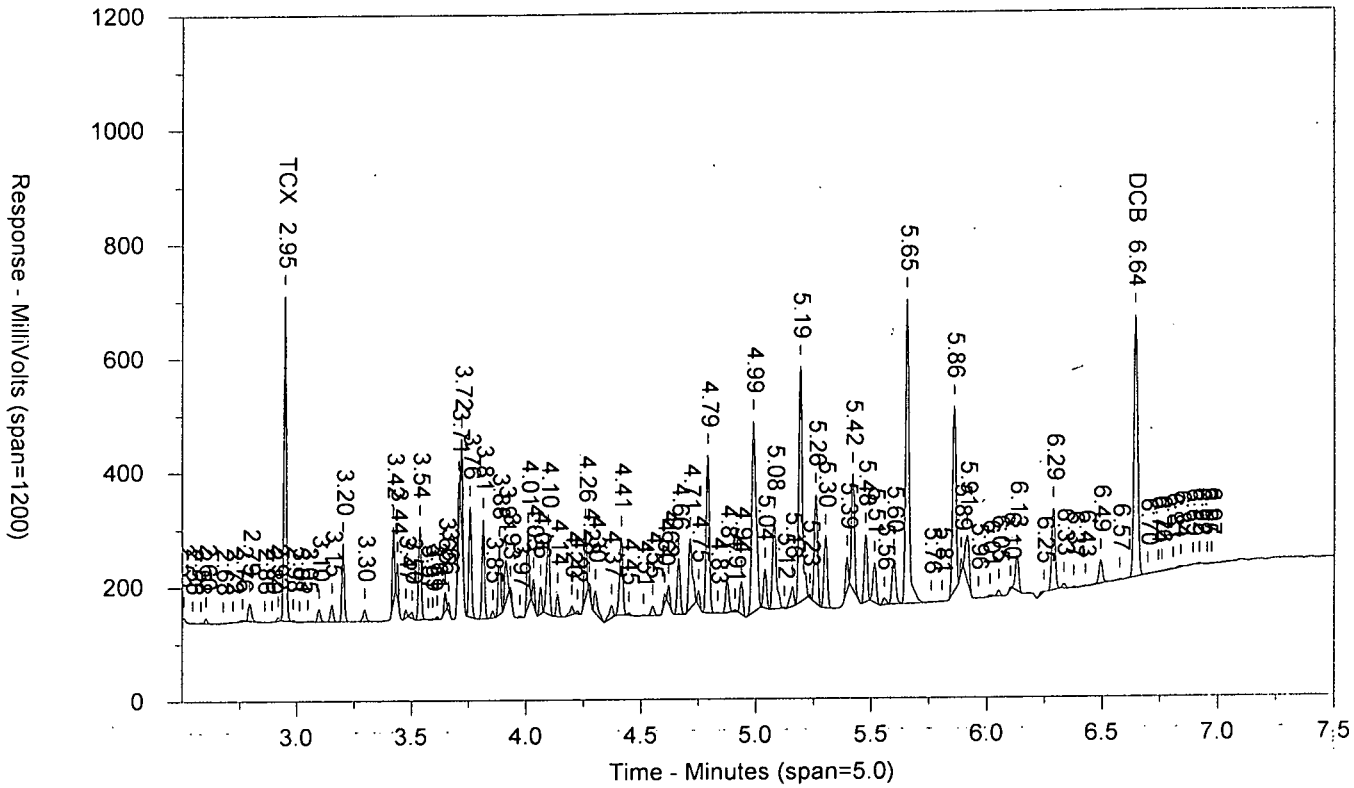
Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.162		12356	12466
2.209		4238	5186
2.235		1514	1582
2.28		2046	1660
2.304		2111	1469
2.37		1211	1412
2.416		1741	1973
2.501		14158	15201
2.526		5383	3577
2.554		67804	64863
2.621	TCX	708303	447541
2.665		14950	11268
2.794		35530	25426
2.84		8269	3650
2.855		37828	21805
2.908		187039	120269
2.956		2475	2639
2.998		2639	1572
3.019		26063	16650
3.116		245583	249401
3.168		30097	18934
3.19		15316	9680
3.216		21916	11950
3.239		241595	167403
3.277		10540	9026
3.324		64172	34727
3.34		49704	25976
3.4		466522	497563
3.434		264957	216140
3.51		269433	178816
3.546		198863	128897
3.569		203228	121056
3.588		68249	35488
3.675		232043	153642
3.698		112053	69990
3.721		60822	35658
3.748		64404	33919
3.766		201732	129798
3.806		82810	59164
3.854		13190	12295
3.876		56998	35835
3.898		280809	194300
3.924		64918	40220
3.945		8188	3573
3.964		68106	48099
3.999		243733	173190
4.033		12456	7356
4.048		22017	13710
4.099		10661	8527
4.144		25056	25849
4.199		79844	50372
4.244		68909	41456
4.262		68841	33334
4.275		159685	89646

RT B	Compound B	Height B	Area B
4.301		111799	109197
4.353		561898	435538
4.4		8378	7972
4.423		63862	43692
4.447		133968	100655
4.49		634489	509634
4.592		531772	528708
4.646		76850	63220
4.684		161749	145240
4.721		691551	590292
4.754		330899	239667
4.792		215822	180544
4.891		86032	95331
4.942		433398	354944
4.966		66956	43523
5.016		240229	226773
5.051		128251	103724
5.081		92233	74691
5.113		37654	22212
5.135		1014630	846166
5.177		23188	17410
5.208		46582	40550
5.326		12802	8217
5.35		222489	187982
5.393		614824	668508
5.549		25580	23718
5.595		22257	16218
5.617		18102	12660
5.667		128579	118809
5.774		286478	253657
5.804		18641	13846
5.945		2396	1564
5.973		89396	77403
6.134	DCB	1045903	958340
6.29		1277	2682
6.313		2034	2507
6.464		1519	2778
6.517		1201	1314
6.592		1895	1990
6.706		2808	4941
6.814		1212	7870
6.878		1416	1363
6.922		2832	5784

AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.007.RAW



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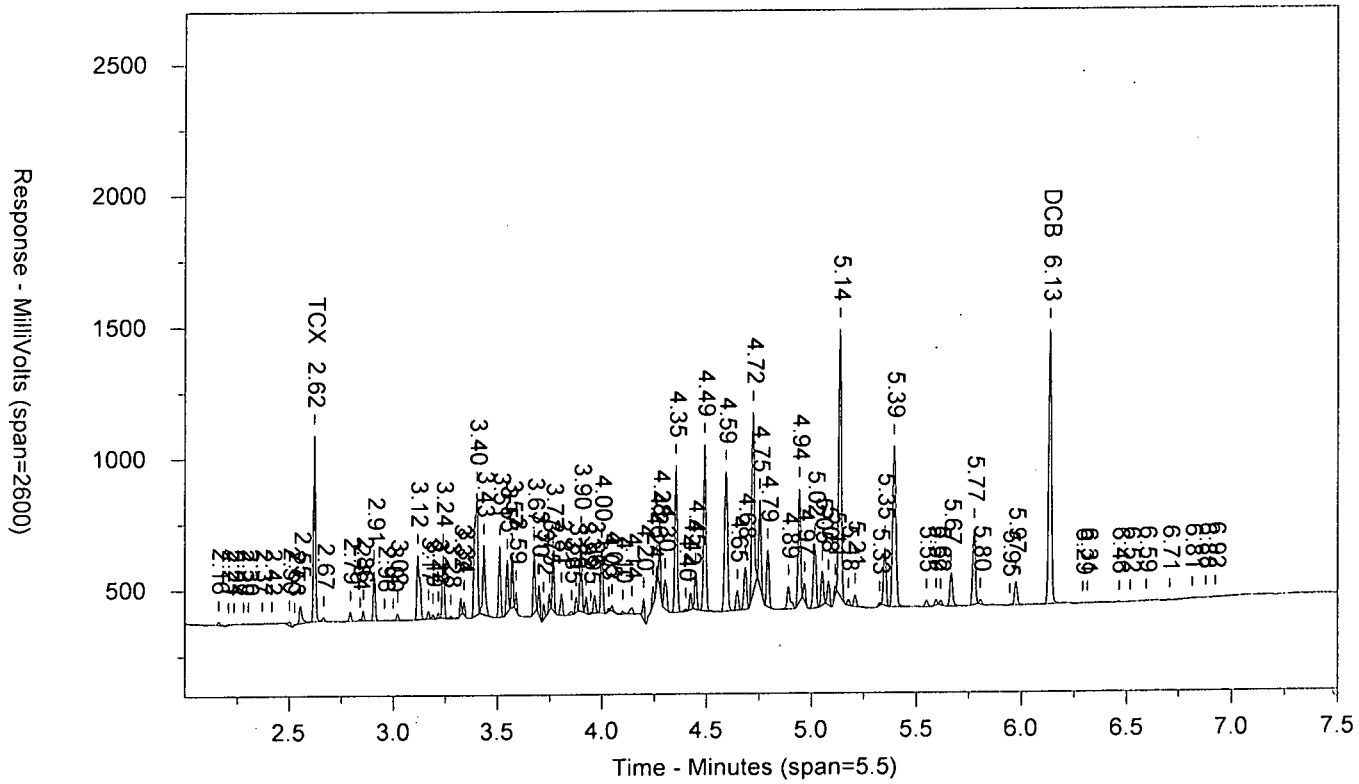

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	570418	4.473	TCX	2.621	708303	3.824	TCX
6.643	458502	5.51	DCB	6.134	1045903	5.395	DCB

Files:
Area File: 25pcbs17116001.007.RAW
Area File: 25pcbs17116001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 2:57:35 PM
File Reported On: 4/26/2017 at 2:57:45 PM

AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082

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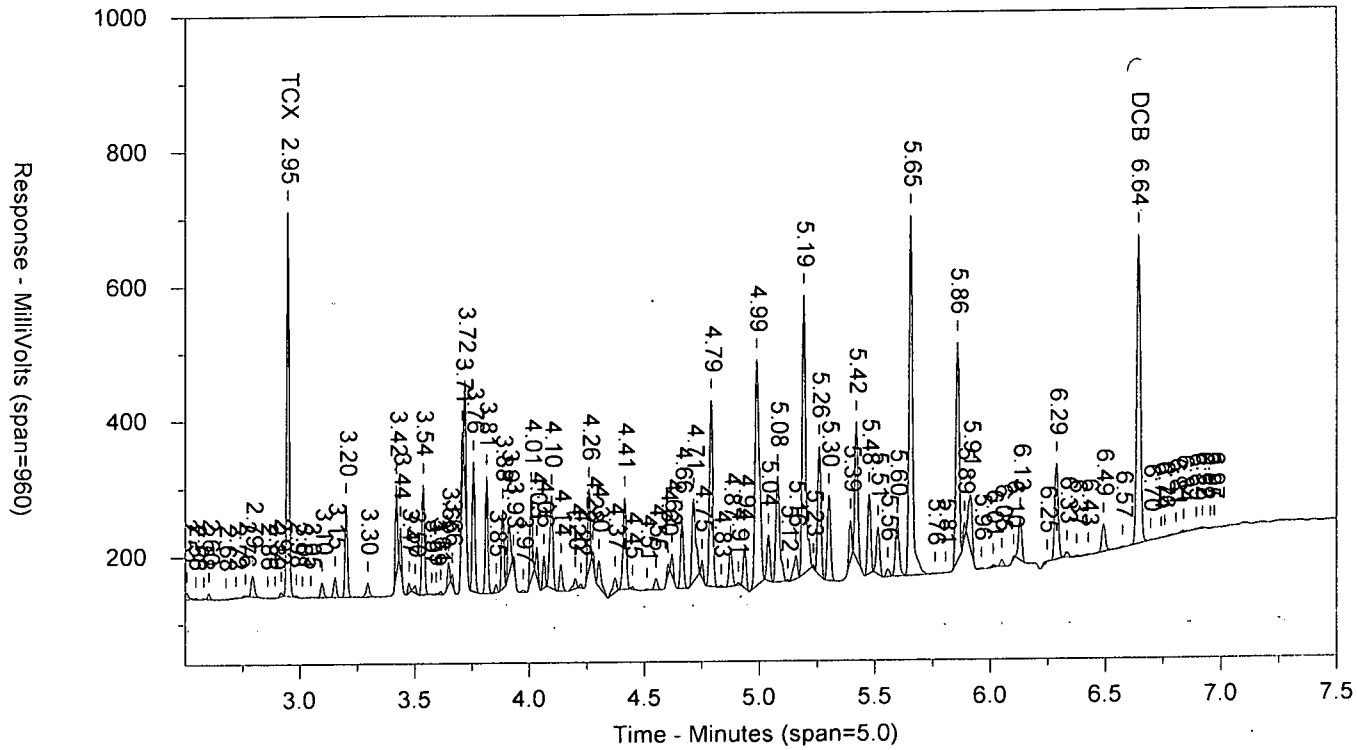

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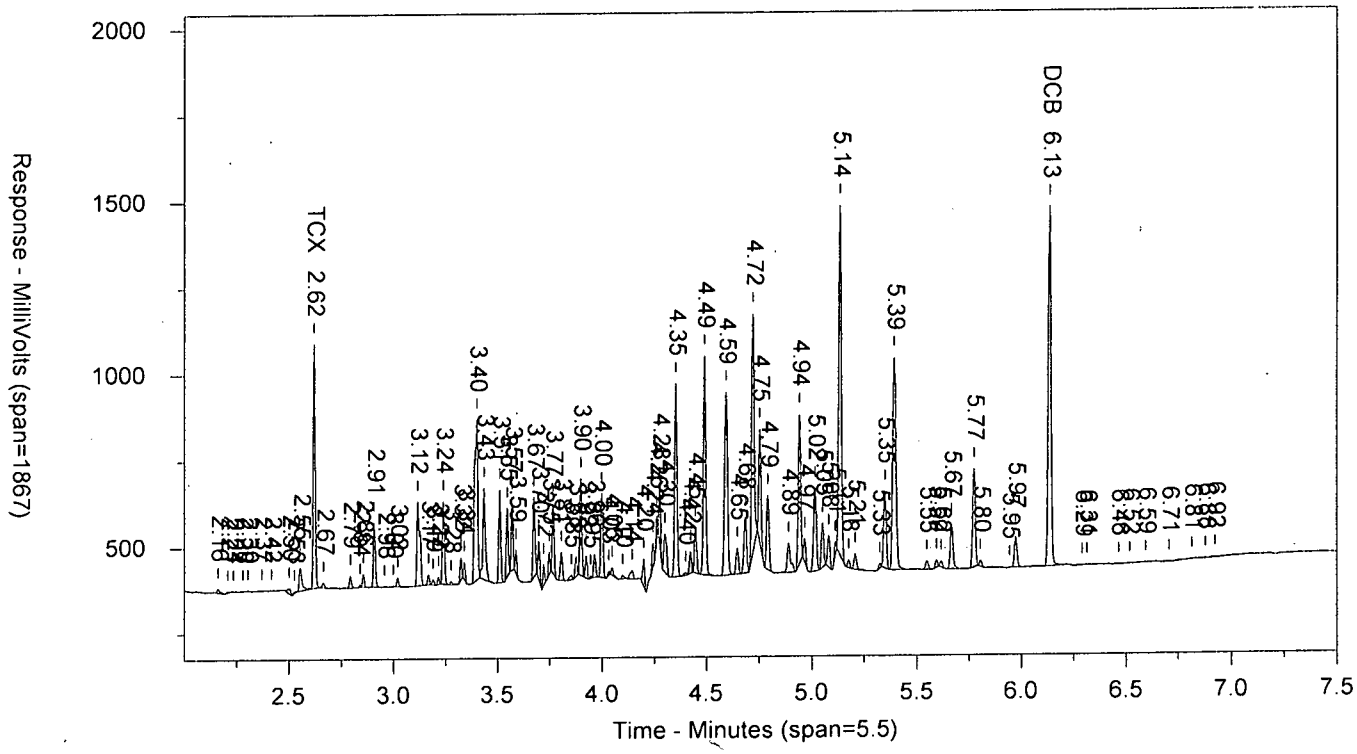

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		10477	10686
2.091		3962	5775
2.168		972	1121
2.24		12583	9879
2.307		410	237
2.34		54971	42167
2.373		880	681
2.505		3413	3023
2.544		1556	1227
2.579		2512	1679
2.601		7318	5116
2.662		767	918
2.73		414	1352
2.762		1792	2267
2.791		35724	37807
2.89		847	821
2.915		2112	1539
2.945	TCX	2693565	1897662
3.009		1545	1055
3.043		1325	1150
3.094		39974	35851
3.148		61222	59756
3.198		234898	176490
3.276		2895	1498
3.292		27600	18970
3.334		702	587
3.416		228118	141800
3.433		105186	55210
3.47		27053	15882
3.486		2411	941
3.496		13865	7788
3.531		276401	228789
3.57		1360	630
3.589		8828	5254
3.608		8648	5343
3.643		62430	36973
3.658		32102	15426
3.702		112590	63227
3.712		281418	147164
3.75		332492	268377
3.807		296402	233416
3.849		22717	16510
3.878		193985	151562
3.906		123416	110151
3.926		30457	16076
3.96		708	643
4.002		213983	163014
4.027		76341	50750
4.058		85785	61860
4.092		233853	231086
4.132		76357	61670
4.18		4465	2703
4.194		8532	5297
4.218		13240	8643

RT A	Compound A	Height A	Area A
4.253		201295	155999
4.271		37407	18723
4.295		65209	54234
4.366		38228	38996
4.409		228793	237010
4.443		8159	5759
4.506		2827	2274
4.546		29347	29036
4.598		31906	21644
4.615		54633	39134
4.659		164415	152566
4.709		210978	244571
4.746		49959	34376
4.785		479640	465324
4.829		4920	4154
4.87		98299	100066
4.905		8969	6028
4.932		98959	88304
4.984		588375	765543
5.035		118581	109109
5.073		280617	315784
5.116		2759	1266
5.153		62790	75724
5.187		723714	763581
5.228		10046	4575
5.254		331666	317867
5.297		217111	216070
5.39		101292	82823
5.415		347404	320357
5.471		206815	191328
5.509		124381	123366
5.551		24419	25116
5.593		133753	158162
5.65		915333	1006144
5.749		1421	1467
5.798		446	512
5.854		564931	562911
5.883		41925	24445
5.91		125666	145927
5.955		1520	1552
6.014		1462	2329
6.047		31991	30705
6.125		122914	178363
6.243		4113	10847
6.281		242624	256602
6.326		17199	16012
6.366		1668	1883
6.417		1297	2196
6.485		84108	90577
6.576		1259	2235
6.637	DCB	1877519	2023006
6.698		529	252
6.726		746	643
6.751		738	416
6.787		1981	2893
6.829		1521	1475
6.869		635	376
6.898		474	994
6.916		1477	1487
6.949		728	308
6.987		773	1031

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		5178	5885
2.162		9305	8150
2.211		2450	2729
2.24		3474	4491
2.281		3020	3871
2.304		3389	2174
2.383		1322	3155
2.503		13858	23714
2.537		3985	6867
2.554		79412	70327
2.621	TCX	3751281	2240357
2.665		26973	18102
2.793		64785	44893
2.84		36556	17800
2.854		58723	31175
2.907		327207	213470
2.957		9615	6546
2.996		1845	1016
3.018		45576	30445
3.115		441294	441151
3.167		55907	33930
3.189		26518	16318
3.214		40857	22120
3.238		429603	296634
3.276		18374	11249
3.303		15421	7938
3.322		133793	138865
3.389		244593	115370
3.398		463368	198402
3.432		482583	372483
3.507		497275	317656
3.543		349559	222293
3.566		373513	210331
3.584		116076	61857
3.671		413300	280185
3.694		181410	105462
3.716		127650	77710
3.744		103963	55695
3.762		365623	225398
3.803		141884	104271
3.85		22710	20605
3.873		103448	63111
3.895		529265	342649
3.92		109710	68309
3.941		17231	8361
3.96		91641	61771
3.995		433501	304260
4.028		23873	13432
4.044		38620	24497
4.094		10319	10610
4.139		41744	44489
4.196		123384	78137
4.24		117828	71475
4.258		108057	56194

RT B	Compound B	Height B	Area B
4.271		276144	158504
4.297		185805	187218
4.349		977510	771312
4.397		15551	14426
4.419		113577	77534
4.444		231626	170087
4.486		1156651	912035
4.589		995262	948567
4.642		132215	109911
4.681		283898	254717
4.717		1290953	1083788
4.75		588510	424858
4.788		404715	331351
4.864		2209	1315
4.888		153931	161093
4.939		791451	630651
4.962		119296	78678
5.013		433399	397763
5.048		226960	181043
5.078		164851	137858
5.11		69121	41911
5.131		1860200	1540901
5.173		43002	32280
5.205		94658	81328
5.323		23044	14307
5.346		396616	327500
5.389		1021071	1155583
5.492		2759	2920
5.546		67872	60638
5.592		37462	27377
5.614		60164	46611
5.664		237681	207504
5.77		500105	441808
5.801		34362	25087
5.97		171247	162457
6.129	DCB	4432207	3950408
6.272		1878	2119
6.308		3240	4862
6.455		2562	4967
6.586		5372	6432
6.774		2149	8270
6.825		1757	2513
6.866		1888	2249
6.927		2205	5543

AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082

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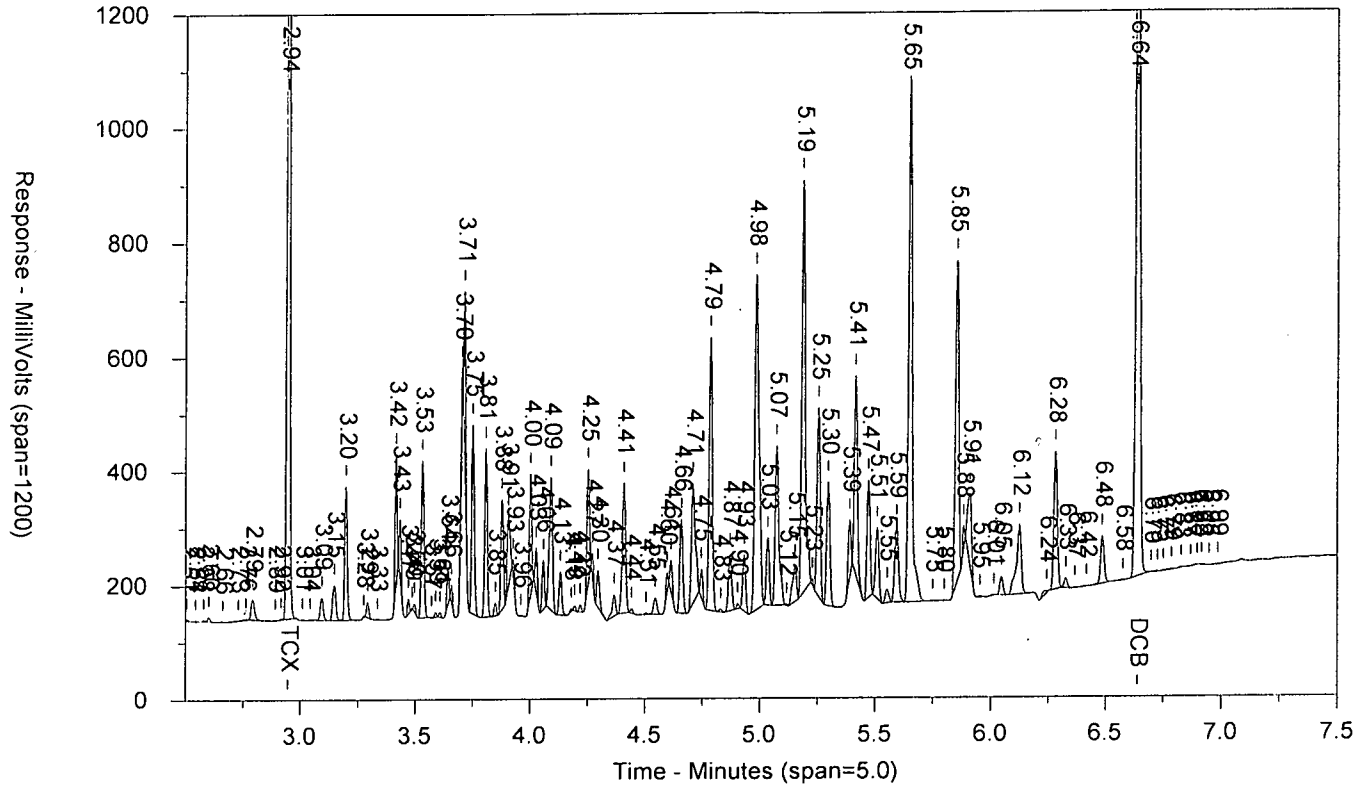

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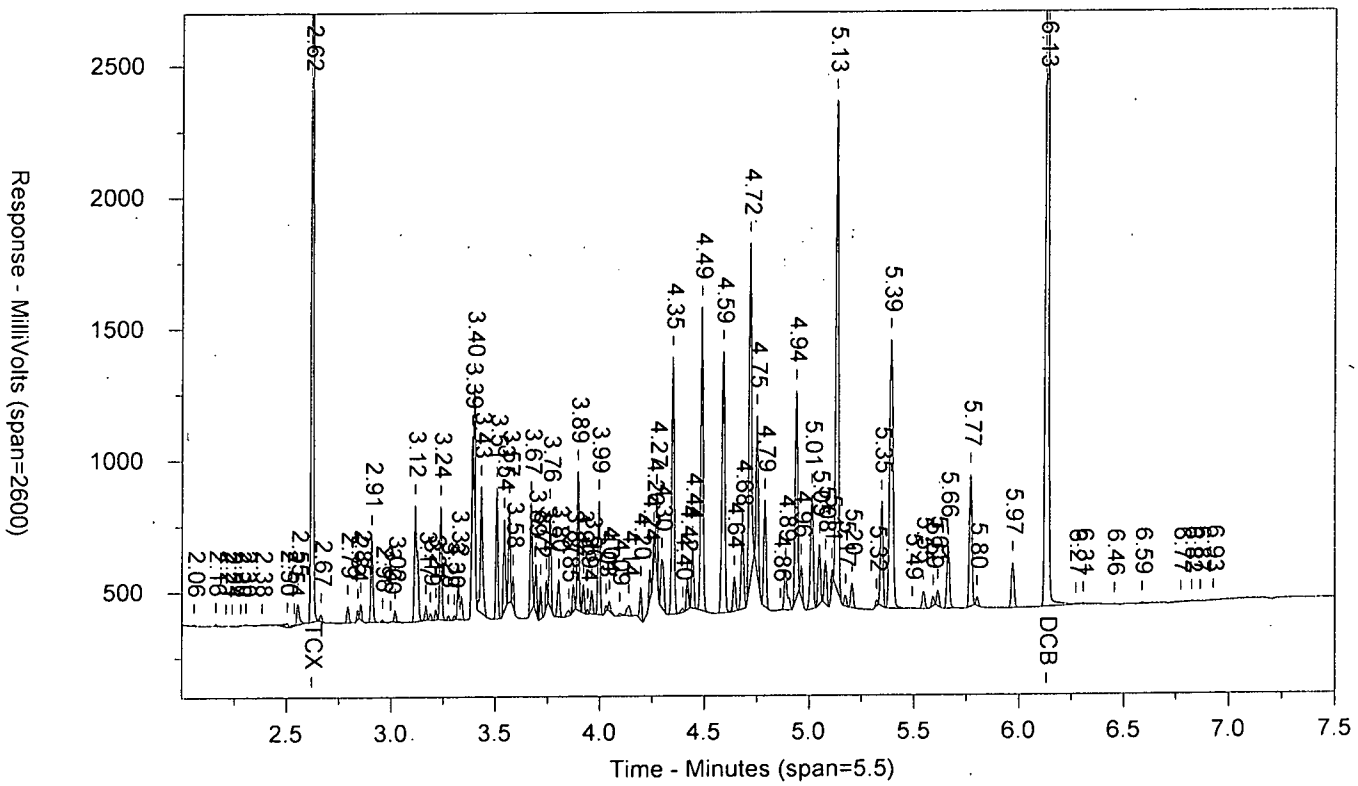

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:00:21 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2693565	20.724	TCX	2.621	3751281	20.196	TCX
6.637	1877519	21.509	DCB	6.129	4432207	21.841	DCB

Files:
Area File: 25pcbs17116001.008.RAW
Area File: 25pcbs17116001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:08:51 PM
File Reported On: 4/26/2017 at 3:09:01 PM

AR1621724A AAAR162AA ICAL 1711599999 10736 SW-846 8082

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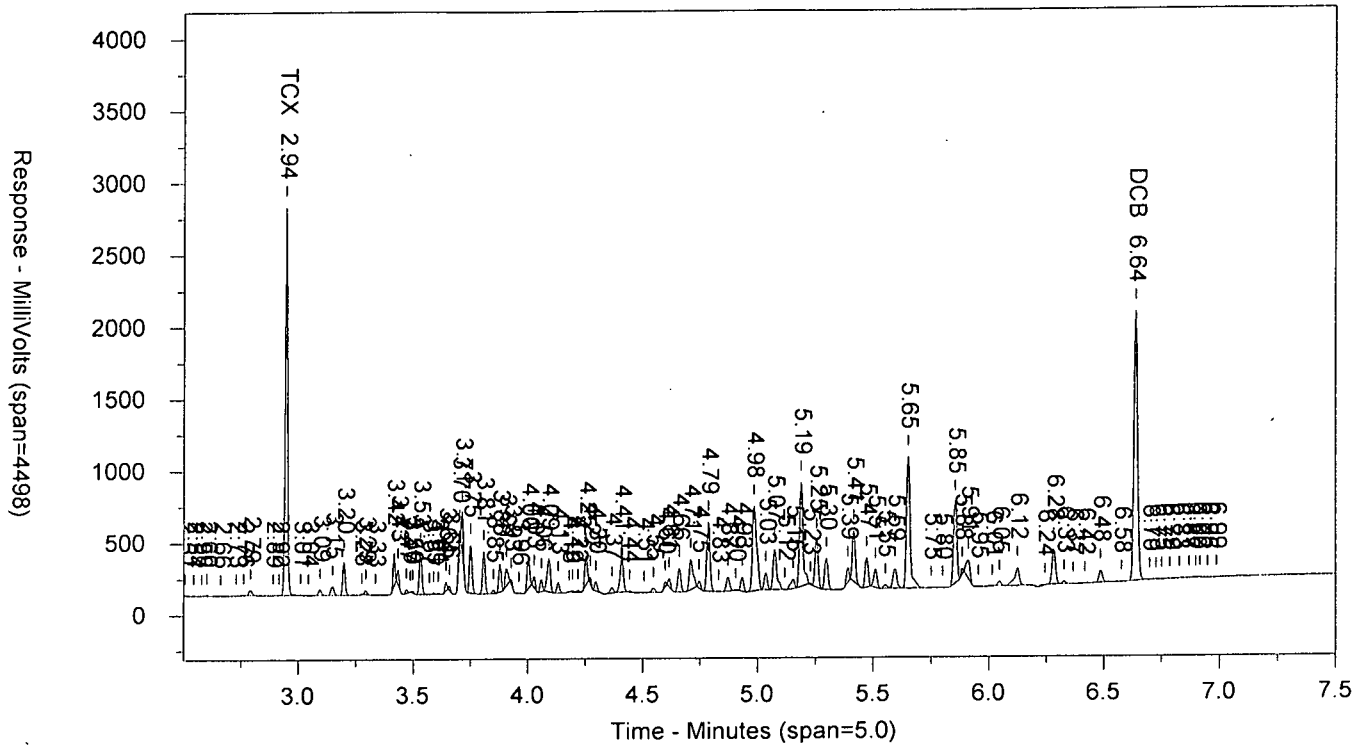

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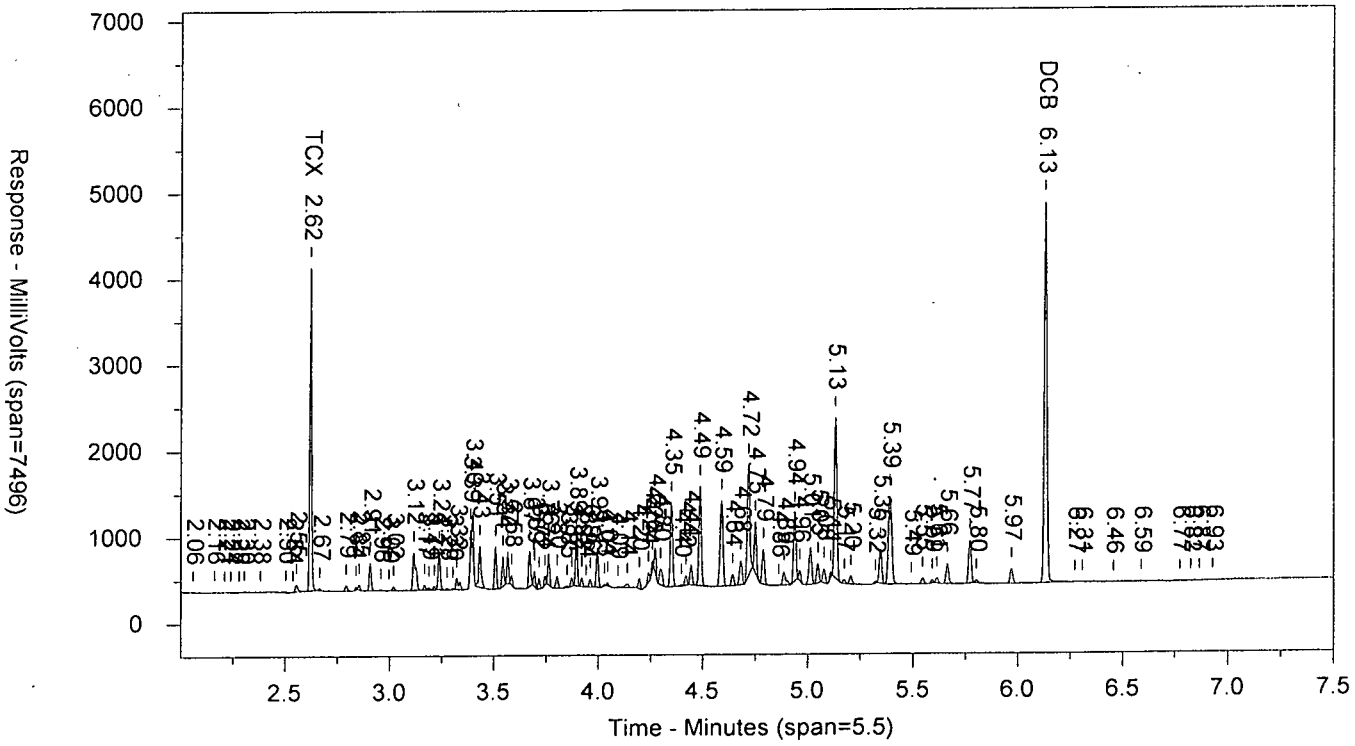

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7648	9067
2.089		2158	3323
2.123		505	242
2.15		1167	650
2.168		883	971
2.24		24952	19355
2.34		30326	27241
2.444		493	424
2.505		4676	5836
2.544		2062	1928
2.58		5709	4035
2.668		714	998
2.719		1350	1091
2.759		2601	3474
2.791		6741	6725
2.853		1078	627
2.889		790	724
2.916		1622	1071
2.945	TCX	5584748	3916169
3.043		2335	1869
3.066		1021	586
3.093		80411	71523
3.148		125628	118909
3.197		456256	336252
3.275		6171	3240
3.292		53320	35245
3.334		980	554
3.415		419215	265637
3.432		206584	109550
3.47		54156	31939
3.486		3864	1630
3.496		28682	15137
3.531		550934	436048
3.569		1973	962
3.589		17600	10928
3.608		18455	11466
3.642		119982	70556
3.657		55244	28536
3.701		203720	122561
3.712		545402	293241
3.749		670860	517689
3.807		590422	455046
3.849		45092	33130
3.878		383153	285851
3.906		244255	207404
3.927		64020	34754
4.001		404757	307693
4.026		146255	96062
4.057		158515	118799
4.091		453831	444865
4.131		138898	120861
4.179		12727	8138
4.193		5414	2902
4.218		26743	18789

RT A	Compound A	Height A	Area A
4.253		378141	289938
4.269		53753	30238
4.295		125004	98587
4.366		70791	60879
4.408		438567	450673
4.442		14586	10430
4.484		309	144
4.504		5635	4609
4.545		56222	54794
4.597		67978	44318
4.614		105813	74337
4.658		304068	290665
4.708		398765	457042
4.745		89902	64198
4.784		927678	905067
4.827		8262	7144
4.87		188984	193690
4.904		14847	10152
4.93		180254	173324
4.983		1136289	1482520
5.034		219291	207179
5.073		551284	617270
5.114		3605	1672
5.153		120011	146641
5.186		1489058	1525898
5.228		15658	7167
5.253		640896	607555
5.296		408376	416473
5.389		190556	156347
5.415		699881	633912
5.47		388479	361412
5.509		227017	232745
5.55		47268	50062
5.591		260018	305778
5.649		1854117	2019383
5.742		1735	2075
5.853		1163676	1108007
5.882		82558	50185
5.908		250529	286301
5.977		506	124
6.012		1831	2820
6.044		56555	54281
6.124		232548	332062
6.238		2514	4776
6.28		471035	495332
6.325		34994	32031
6.375		538	738
6.416		1872	2634
6.455		541	497
6.484		156171	167941
6.576		1708	2843
6.635	DCB	3765898	4096282
6.707		751	314
6.736		894	947
6.783		2268	3372
6.829		2798	3283
6.91		3148	6638
6.975		517	382

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9457	8537
2.159		2680	5190
2.209		3257	3472
2.304		6355	5202
2.362		1719	2391
2.417		2803	3483
2.503		7590	6437
2.526		4442	3209
2.555		9960	8236
2.596		1880	1026
2.621	TCX	7793176	4689211
2.665		49480	35669
2.794		127041	87588
2.84		69102	34127
2.855		106507	57339
2.907		627991	411270
2.957		20252	12632
3.019		87793	60447
3.115		858802	847092
3.167		105420	66377
3.188		49996	29392
3.215		74984	43428
3.238		850135	573246
3.275		36829	22386
3.303		30827	15938
3.322		252149	274690
3.388		523256	243348
3.398		1004155	418632
3.432		961811	730487
3.507		1000944	630607
3.542		671521	428499
3.566		737024	411677
3.584		218062	114903
3.671		784432	543268
3.694		320277	176190
3.715		301136	181269
3.744		209803	107213
3.762		736975	449516
3.802		258224	196919
3.85		42159	38379
3.873		190050	117362
3.894		1010825	669518
3.92		205998	126799
3.94		32082	15488
3.96		145743	97106
3.994		846754	590343
4.028		40347	23899
4.044		71384	46236
4.104		10640	13628
4.139		74913	77086
4.172		4717	2428
4.197		248847	177569
4.239		227483	134636
4.257		229586	112596

RT B	Compound B	Height B	Area B
4.271		569427	314613
4.297		363033	360036
4.349		2044882	1539924
4.396		28020	25768
4.418		226988	147220
4.443		443408	330244
4.486		2376417	1815695
4.589		2012222	1914543
4.642		251847	216548
4.68		564110	490375
4.717		2691214	2218572
4.749		1165437	831965
4.787		790839	647474
4.859		3032	3759
4.886		300529	314618
4.938		1624706	1268621
4.962		230409	151042
5.013		859784	780065
5.048		446473	349904
5.077		314430	264592
5.109		125946	76374
5.131		3918283	3242776
5.172		81590	63075
5.204		170289	146074
5.322		44790	28802
5.346		787917	641831
5.391		2574270	2829560
5.507		1996	1223
5.546		115665	97830
5.591		71640	51483
5.614		98118	72570
5.662		440638	392544
5.77		1031160	873309
5.802		63780	47352
5.97		335901	295339
6.074		1027	1456
6.13	DCB	9210380	8074176
6.241		2325	4471
6.308		5468	7358
6.454		1462	2635
6.585		9954	9162
6.691		1105	1494
6.741		861	583
6.761		1947	1072
6.823		2126	4360
6.907		576	443

AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082

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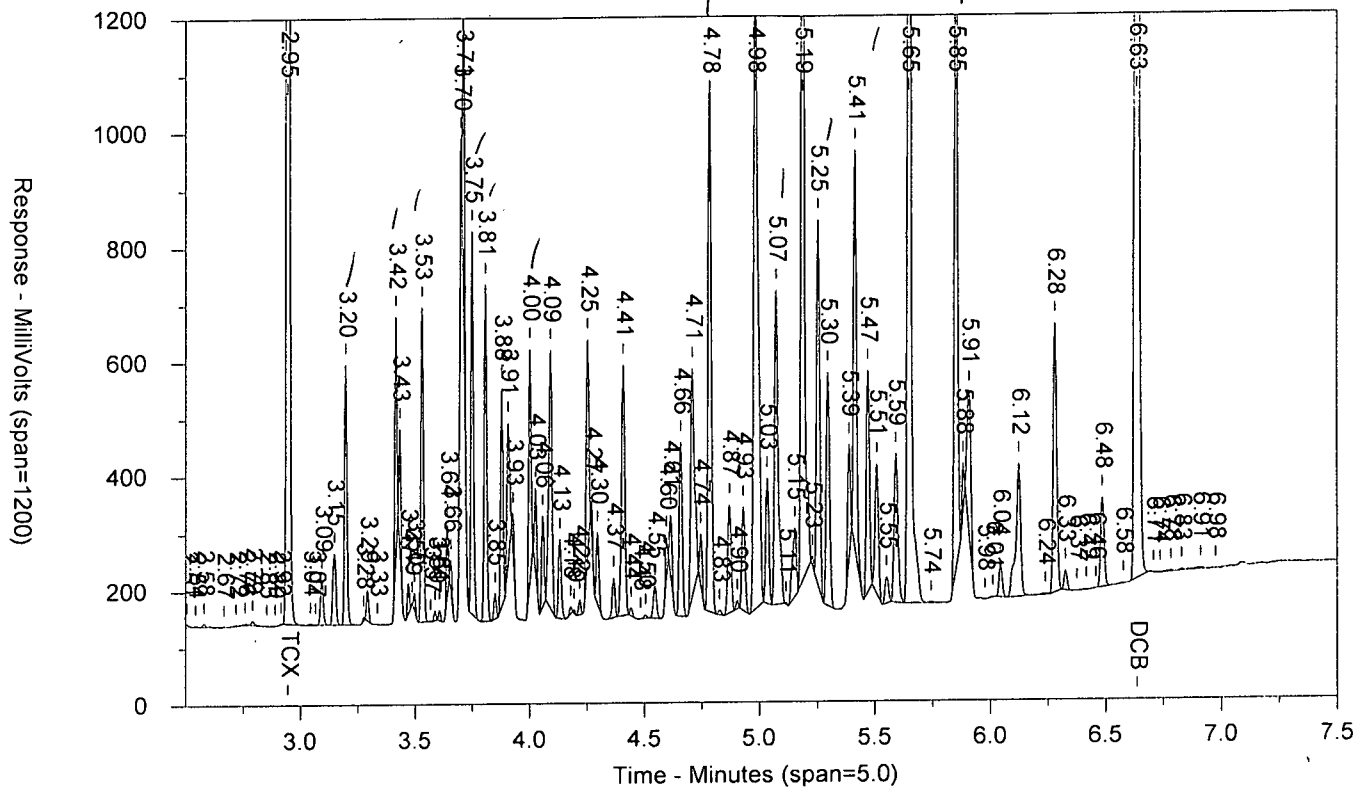

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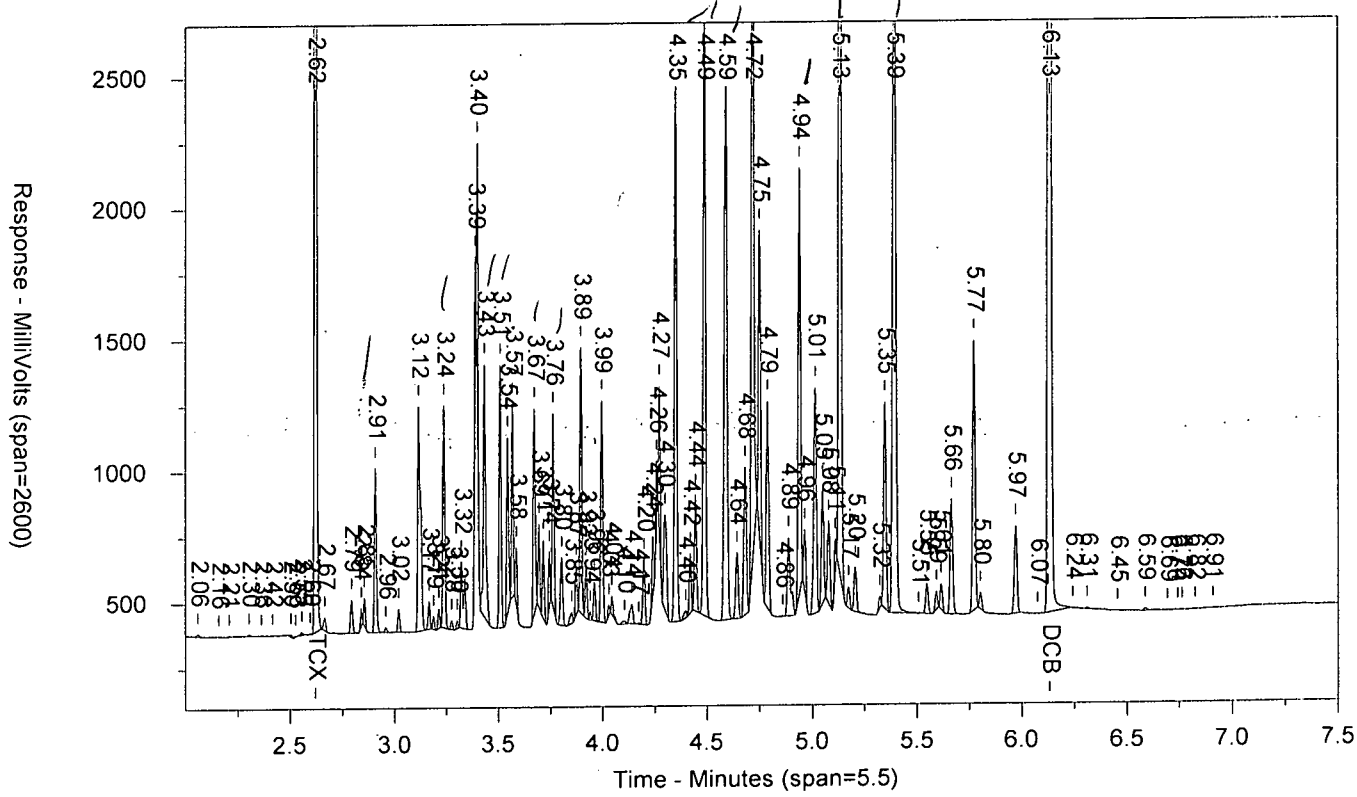

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:11:36 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5584748	42.362	TCX	2.621	7793176	41.707	TCX
6.635	3765898	41.557	DCB	6.13	9210380	43.673	DCB

Files:
Area File: 25pcbs17116001.009.RAW
Area File: 25pcbs17116001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:20:06 PM
File Reported On: 4/26/2017 at 3:20:13 PM

AR1631724A AAAR163AA ICAL 1711599999 10736 SW-846 8082

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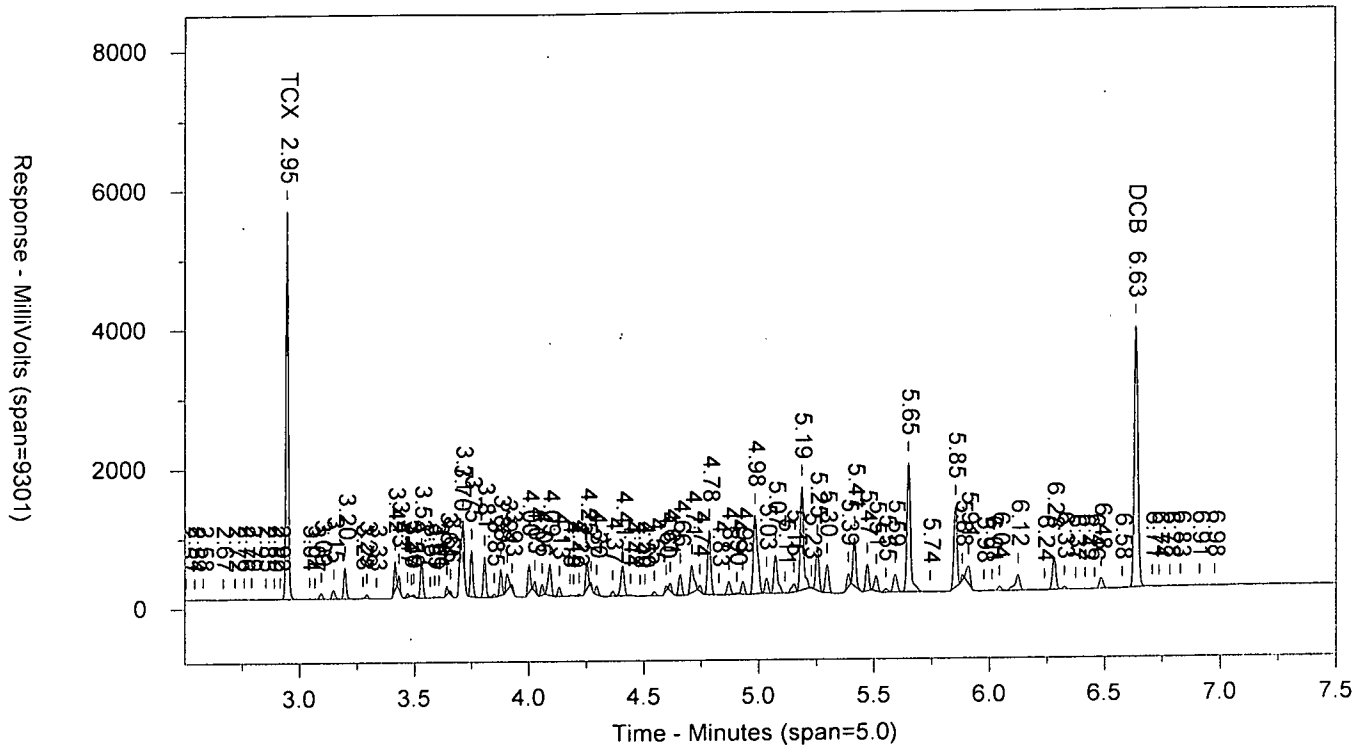

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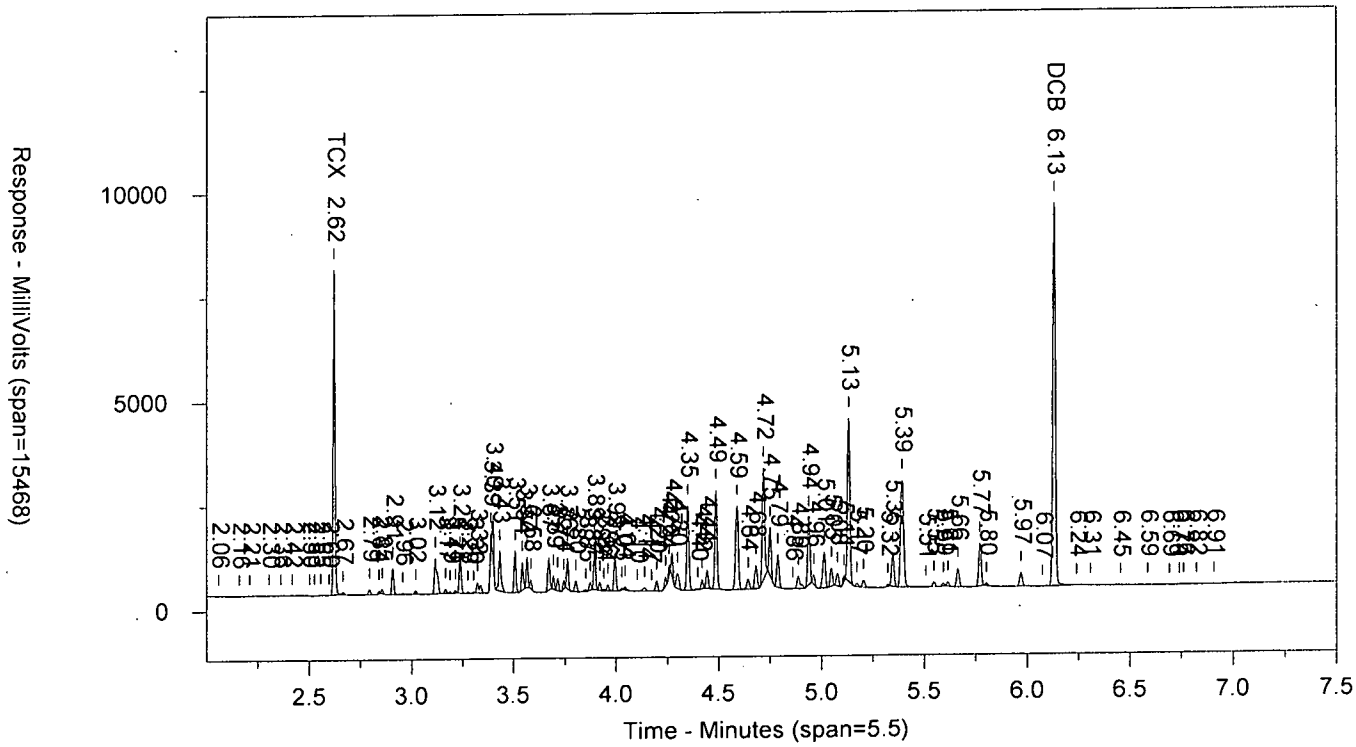

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		910	658
2.045		12851	12191
2.092		6524	16714
2.175		1623	1749
2.195		667	681
2.24		37054	29654
2.309		626	462
2.34		71530	62404
2.409		704	481
2.443		909	1291
2.506		6036	7825
2.544		1892	1441
2.58		13132	8537
2.601		9268	6116
2.669		1239	1280
2.716		893	1503
2.76		2384	2666
2.791		34165	36205
2.856		2923	2013
2.889		1565	1256
2.914		2661	1620
2.945	TCX	8685794	6207008
3.043		3295	2207
3.065		1887	1213
3.093		192597	171711
3.149		264447	241457
3.198		1098147	816380
3.276		8152	4275
3.292		134000	91295
3.334		3096	1983
3.415		1048765	651950
3.433		489310	267133
3.47		129131	77049
3.486		11518	4038
3.496		70630	37119
3.531		1339253	1069338
3.57		5506	2709
3.589		27059	16219
3.608		45884	29041
3.643		280120	167499
3.658		143140	72641
3.701		573609	339560
3.712		1379073	757887
3.75		1659659	1290822
3.808		1471728	1141260
3.849		106305	79357
3.878		897829	673025
3.905		622518	509345
3.927		143553	78636
4.002		1044978	755206
4.026		333123	218361
4.058		383895	275188
4.091		1144607	1086145
4.132		331498	286293

RT A	Compound A	Height A	Area A
4.179		51078	49793
4.218		70934	50980
4.253		979491	728232
4.271		146953	73516
4.295		273903	216725
4.366		166740	154374
4.409		1096435	1080495
4.443		37079	26416
4.482		675	334
4.505		13201	10510
4.547		131584	128699
4.598		147555	104048
4.614		235520	167479
4.659		729918	686391
4.708		1005143	1099480
4.745		202006	150668
4.785		2379337	2243218
4.828		20862	17343
4.87		435897	459171
4.904		36055	23254
4.931		419179	401001
4.983		3002235	3706481
5.034		510450	475143
5.074		1355198	1525317
5.116		15256	6929
5.153		270978	328199
5.186		3915615	4065435
5.253		1559884	1495122
5.296		1039134	1002928
5.389		480149	382818
5.415		1788332	1581214
5.471		918355	855453
5.509		515004	543914
5.551		99554	107990
5.592		617460	735431
5.649		4970026	5154054
5.741		5408	7194
5.793		1604	2117
5.852		3034028	2815283
5.883		176395	116027
5.907		592153	663641
5.95		3240	2940
6.018		1444	3316
6.045		105798	105380
6.097		19686	23850
6.124		472469	471889
6.237		7118	13053
6.28		1145287	1191833
6.325		86620	81796
6.366		1530	1332
6.413		2457	2713
6.484		349716	373283
6.573		1260	2653
6.634	DCB	6335256	6376517
6.692		4177	4055
6.744		839	487
6.763		1337	866
6.777		878	402
6.826		3547	4566
6.873		1118	991
6.897		750	345
6.906		1464	1331
6.97		611	487

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		14537	12702
2.162		12931	11743
2.215		1942	2598
2.279		2865	2864
2.305		15448	12585
2.362		2589	2989
2.417		2056	1458
2.501		12851	14821
2.537		3829	5875
2.554		72525	64180
2.621	TCX	12293550	7531860
2.665		117185	89686
2.793		284310	201895
2.839		98870	46769
2.854		263965	145926
2.906		1600751	1006790
2.956		30797	19542
2.996		1571	724
3.018		201192	133465
3.049		2407	1584
3.115		2122083	2088115
3.167		241592	152897
3.188		117904	68715
3.214		172324	99303
3.238		2194127	1431374
3.275		84309	50953
3.303		47439	23687
3.322		520381	275851
3.337		304568	145693
3.363		3097	1475
3.398		4799354	4853776
3.431		2524293	1836926
3.507		2614001	1622222
3.542		1686171	1062967
3.566		1913605	1044887
3.584		550646	280730
3.67		2114367	1371079
3.693		795271	441232
3.715		638428	380166
3.744		486974	255022
3.761		1919641	1148783
3.802		635703	466508
3.85		99069	86384
3.872		462709	281156
3.894		2641023	1715549
3.92		517847	306164
3.94		75090	36678
3.959		320128	202081
3.994		2178652	1474289
4.028		95144	57079
4.044		159509	105179
4.105		20931	22094
4.14		171360	175748
4.171		7353	3890

RT B	Compound B	Height B	Area B
4.196		564593	379494
4.239		531032	314505
4.258		581578	287738
4.271		1456375	818643
4.297		889288	886900
4.349		5395685	3945877
4.396		64322	58937
4.418		537099	356628
4.443		1113272	807242
4.485		6149306	4705925
4.588		5344055	4941561
4.641		615120	515887
4.68		1351371	1191017
4.716		7391443	5923665
4.748		3080757	2163670
4.787		2128220	1643027
4.857		7421	8756
4.886		727532	761103
4.937		4265864	3298980
4.961		576786	373411
5.012		2133981	1933339
5.046		1100560	879495
5.077		807533	656435
5.109		372793	215841
5.131		11001540	8709025
5.171		207452	156768
5.204		383354	323988
5.321		103753	66933
5.345		1938858	1602727
5.389		5986446	6544630
5.486		4017	8021
5.545		221911	192748
5.59		181909	132094
5.613		180556	133014
5.662		1121328	975229
5.769		2632578	2204750
5.8		150684	115526
5.921		2663	1348
5.969		742141	673255
6.089		2513	1382
6.129	DCB	14401470	12686460
6.306		9749	19625
6.586		13975	13610
6.686		877	1823
6.761		4541	9079
6.828		1361	1941
6.866		2059	1307
6.925		2346	5097
6.982		2221	2689

AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082

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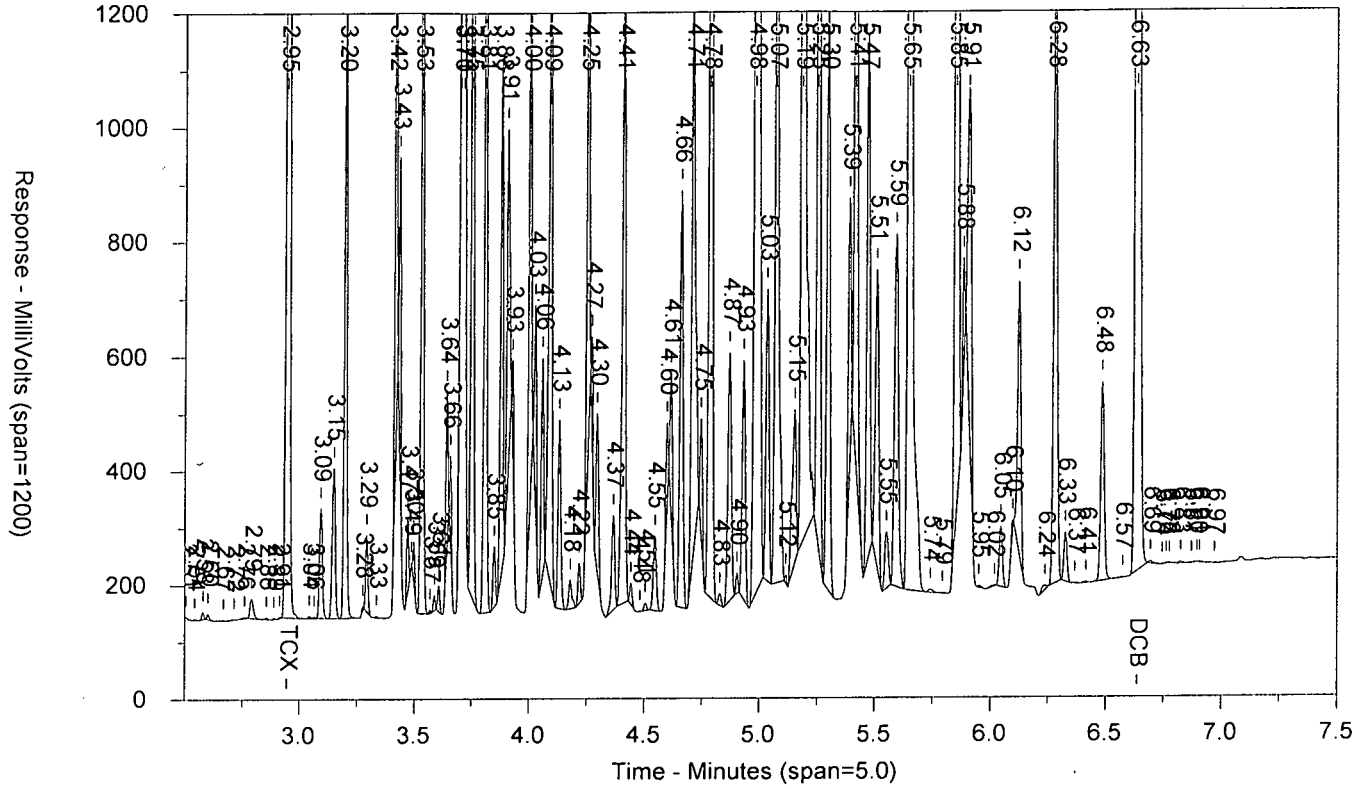

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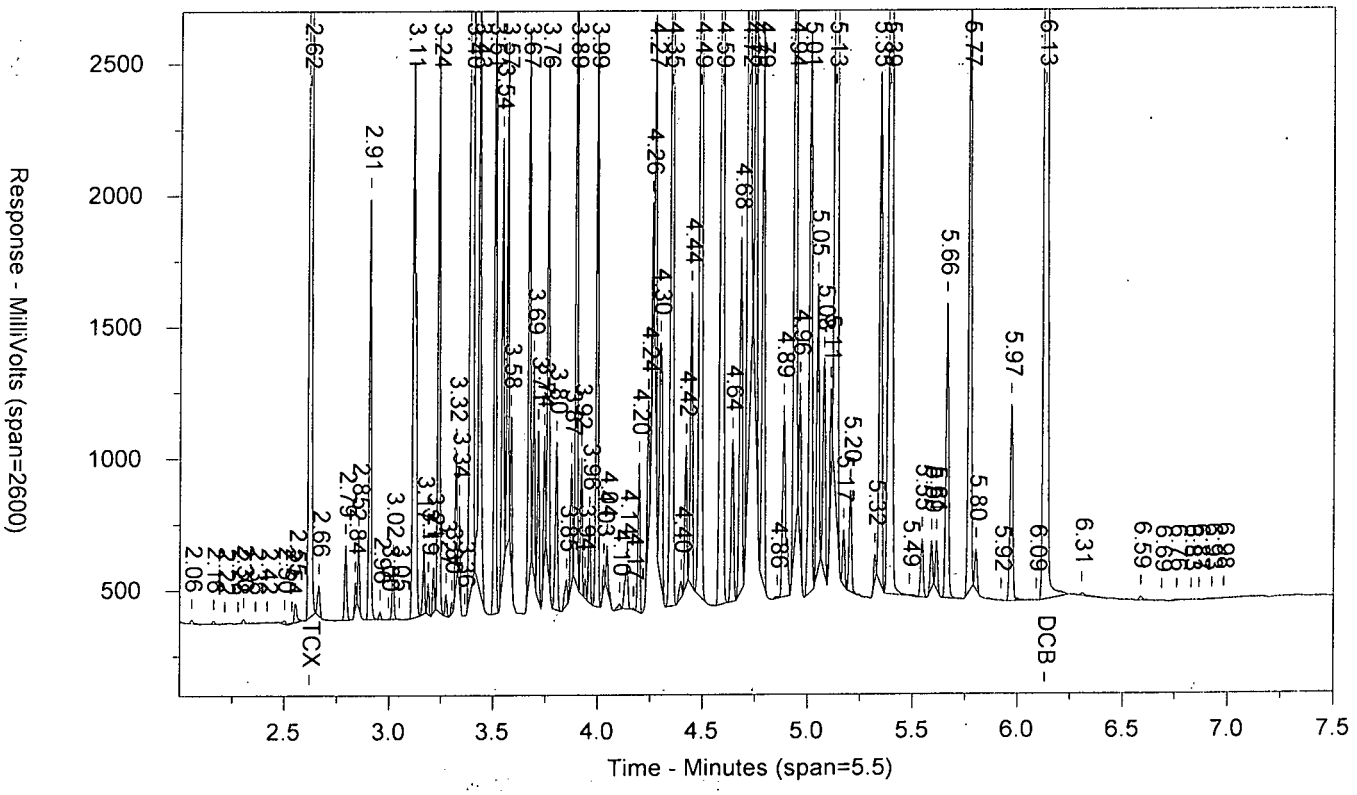

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:22:52 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	8685794	64.529	TCX	2.621	12293550	65.159	TCX
6.634	6335256	67.322	DCB	6.129	14401470	65.455	DCB

Files:
Area File: 25pcbs17116001.010.RAW
Area File: 25pcbs17116001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:31:25 PM
File Reported On: 4/26/2017 at 3:31:32 PM

AR1641724A AAAR164AA ICAL 1711599999 10736 SW-846 8082

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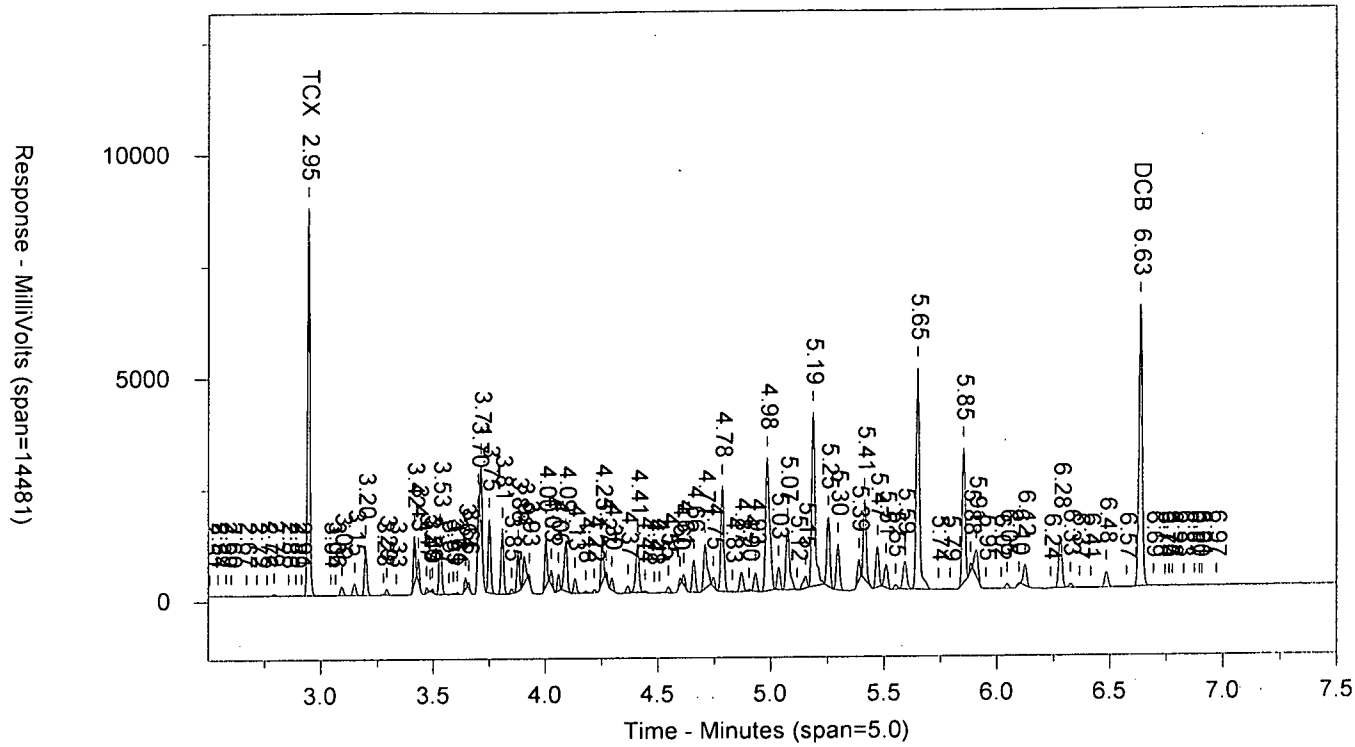

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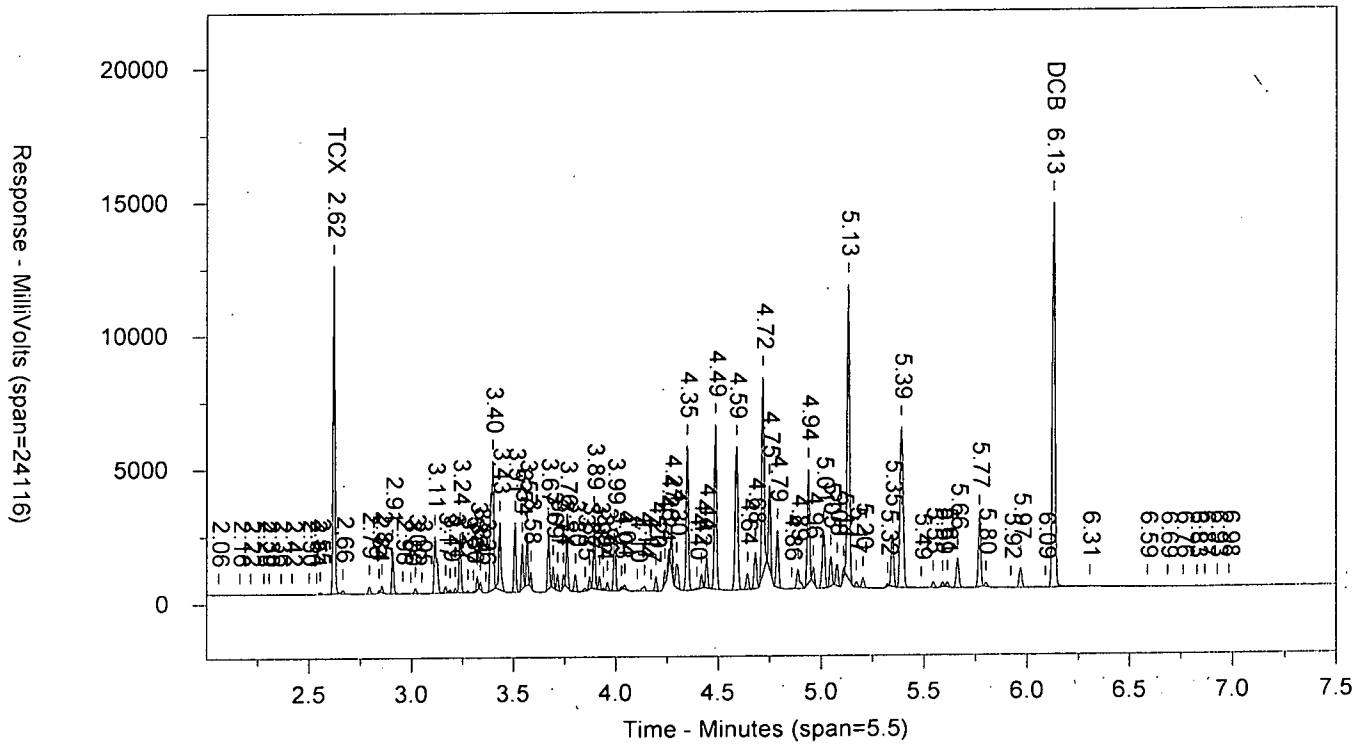

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.046		9992	11546
2.08		881	488
2.15		1082	543
2.215		515	274
2.24		47150	36101
2.341		44395	43394
2.442		1020	1190
2.506		6167	7851
2.545		2232	1887
2.58		26146	20891
2.669		1077	911
2.715		1725	1666
2.763		1808	1906
2.791		9848	10204
2.856		5229	3748
2.891		561	497
2.915		2973	1753
2.946	TCX	11246010	7847529
3.043		4311	2823
3.061		877	563
3.094		340989	308604
3.15		451348	389767
3.198		2075330	1485184
3.276		9085	4624
3.292		231666	166989
3.335		6316	4506
3.365		625	391
3.416		1974577	1196754
3.432		909369	479515
3.47		219385	131726
3.486		18213	6929
3.496		120755	64802
3.531		2543272	1956171
3.569		10484	5173
3.588		35673	20713
3.608		91965	59683
3.643		492480	293957
3.657		258527	129990
3.702		768745	523641
3.712		2864732	1499509
3.749		3170642	2387440
3.807		2857406	2122569
3.849		189022	140319
3.878		1656307	1233159
3.906		1100139	942860
3.927		267263	139119
4.002		1916949	1398229
4.026		620215	403414
4.058		679280	492306
4.092		2141443	2009395
4.132		579779	511216
4.179		98707	87468
4.219		118906	93753
4.253		1771128	1325818

RT A	Compound A	Height A	Area A
4.271		293560	146849
4.295		503413	385911
4.366		291594	256606
4.409		2020628	1969026
4.443		67527	48269
4.484		1125	625
4.505		23070	19375
4.546		225493	231260
4.597		293640	183462
4.614		429998	299194
4.659		1331523	1236067
4.709		1805617	2010966
4.745		381746	280107
4.784		4499349	4165819
4.829		41375	34327
4.87		789597	817938
4.904		54692	36930
4.931		759377	723696
4.983		5510528	6902032
5.034		939194	839391
5.074		2612085	2821641
5.116		22076	9150
5.153		479678	568326
5.186		7362606	7668623
5.254		3022334	2770692
5.296		1864451	1825973
5.389		931011	708255
5.415		3359661	2952050
5.471		1687504	1552346
5.51		977452	976638
5.55		169285	177467
5.591		1145126	1335661
5.649		9603692	9680995
5.742		9672	12794
5.798		3396	3242
5.853		5698614	5304725
5.883		320445	207674
5.909		1105572	1243180
5.949		3818	3081
6.045		162860	184290
6.097		52520	50116
6.123		846355	832857
6.193		563	182
6.227		2729	3555
6.279		2222094	2173657
6.324		141666	143243
6.41		2187	2231
6.483		602699	632226
6.564		3057	4866
6.634	DCB	7409686	8038436
6.691		4058	2948
6.753		445	295
6.773		1975	2339
6.823		2590	5403
6.882		883	1113
6.947		1297	1133
6.972		442	215

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		18626	16057
2.121		1145	1491
2.162		3807	7184
2.212		2718	3646
2.246		1919	2366
2.276		1176	1000
2.305		28561	20550
2.365		1972	2108
2.417		2757	3208
2.471		1669	1588
2.502		2610	1919
2.522		3524	1747
2.554		14284	9938
2.578		5523	2960
2.621	TCX	15396810	9573545
2.665		203718	161295
2.793		533134	364273
2.84		103447	48698
2.854		479837	276104
2.907		3022627	1889085
2.957		37311	22317
3.019		363139	240589
3.115		4070761	3898950
3.167		435752	275650
3.188		202437	117754
3.214		302517	172551
3.238		4040465	2699658
3.275		146722	91719
3.303		54492	26856
3.322		1151667	1174276
3.363		6137	2705
3.388		2221835	1103352
3.398		5480124	2366541
3.431		4668416	3496061
3.507		5051665	3131070
3.543		3246891	1996564
3.566		3607158	2002980
3.584		1058228	531545
3.67		3859676	2580500
3.693		1509289	811725
3.714		1402471	827546
3.743		968384	494770
3.761		3775553	2235879
3.802		1177038	862584
3.85		169170	155462
3.873		892298	526605
3.894		5139949	3293311
3.92		950168	572405
3.94		127658	61301
3.959		552871	345060
3.994		4174397	2808845
4.028		175789	104235
4.044		305550	194715
4.105		37399	32660

RT B	Compound B	Height B	Area B
4.14		317079	318269
4.172		10073	4484
4.196		1127116	798609
4.24		978776	588918
4.258		1141632	541438
4.27		2723112	1561151
4.297		1693807	1683840
4.349		10528420	7577528
4.396		113585	106195
4.419		1011862	671438
4.443		2143199	1535529
4.486		11766620	8986172
4.588		10343470	9567719
4.642		1151816	967994
4.68		2758774	2253817
4.716		14441890	11551790
4.749		5968262	4185670
4.787		4081057	3113773
4.857		15071	16767
4.887		1424146	1434181
4.937		8170101	6330094
4.961		1082559	695776
5.012		4165702	3664030
5.048		2076252	1633686
5.077		1518459	1209245
5.109		766419	423156
5.131		21625850	17068190
5.172		385640	289414
5.204		678891	565015
5.244		7036	4469
5.282		5620	3383
5.322		188634	117406
5.346		3795953	3021752
5.39		13899230	14196930
5.488		3673	2219
5.509		6907	4737
5.546		318539	286466
5.591		330164	245236
5.614		266935	196982
5.663		2081444	1779949
5.769		5046484	4172086
5.801		261921	198390
5.969		1332472	1171779
6.024		2966	2038
6.065		2488	1132
6.129	DCB	18473880	16254340
6.266		3813	2852
6.308		18432	25639
6.584		16591	16889
6.659		2518	3278
6.757		4229	4254
6.869		1967	2988
6.909		2052	2685
6.947		1402	1204
6.986		2815	2938

AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082

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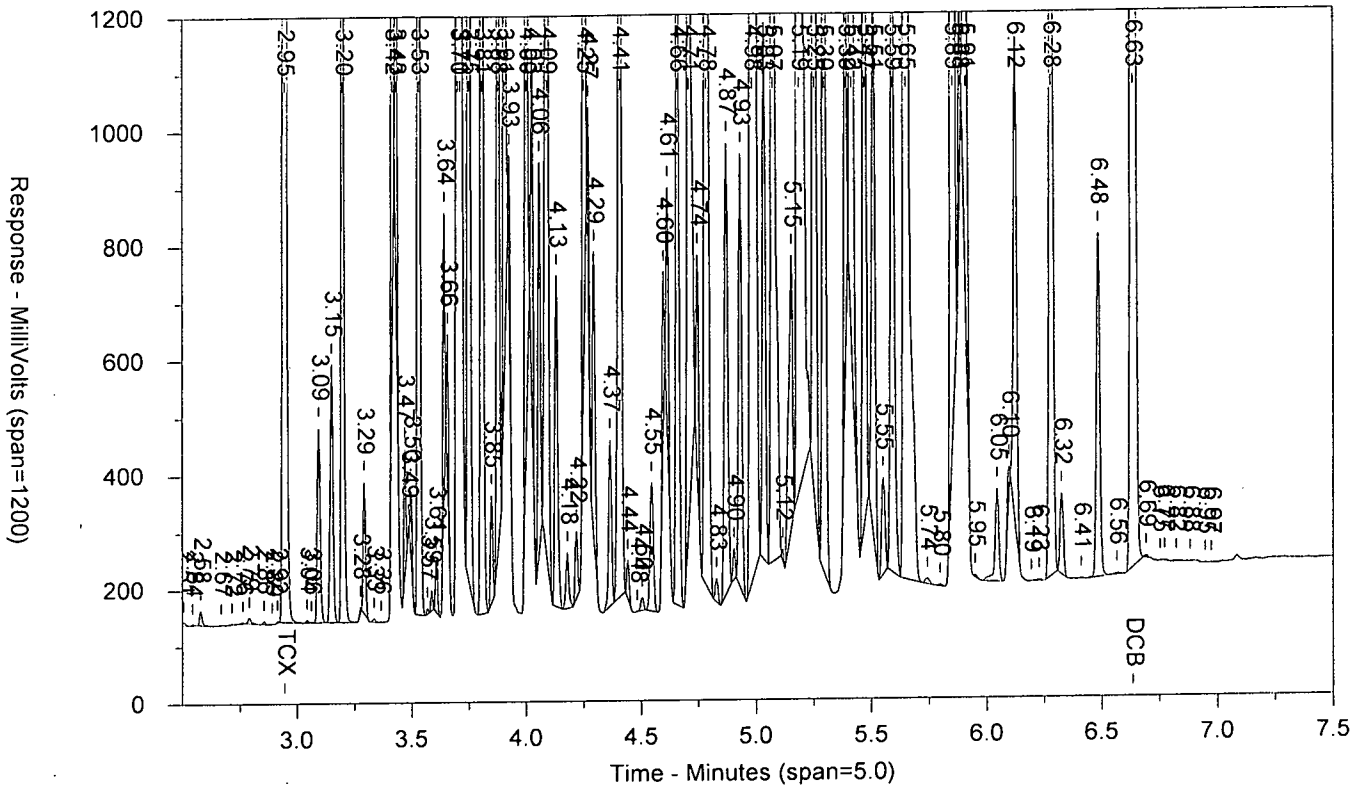

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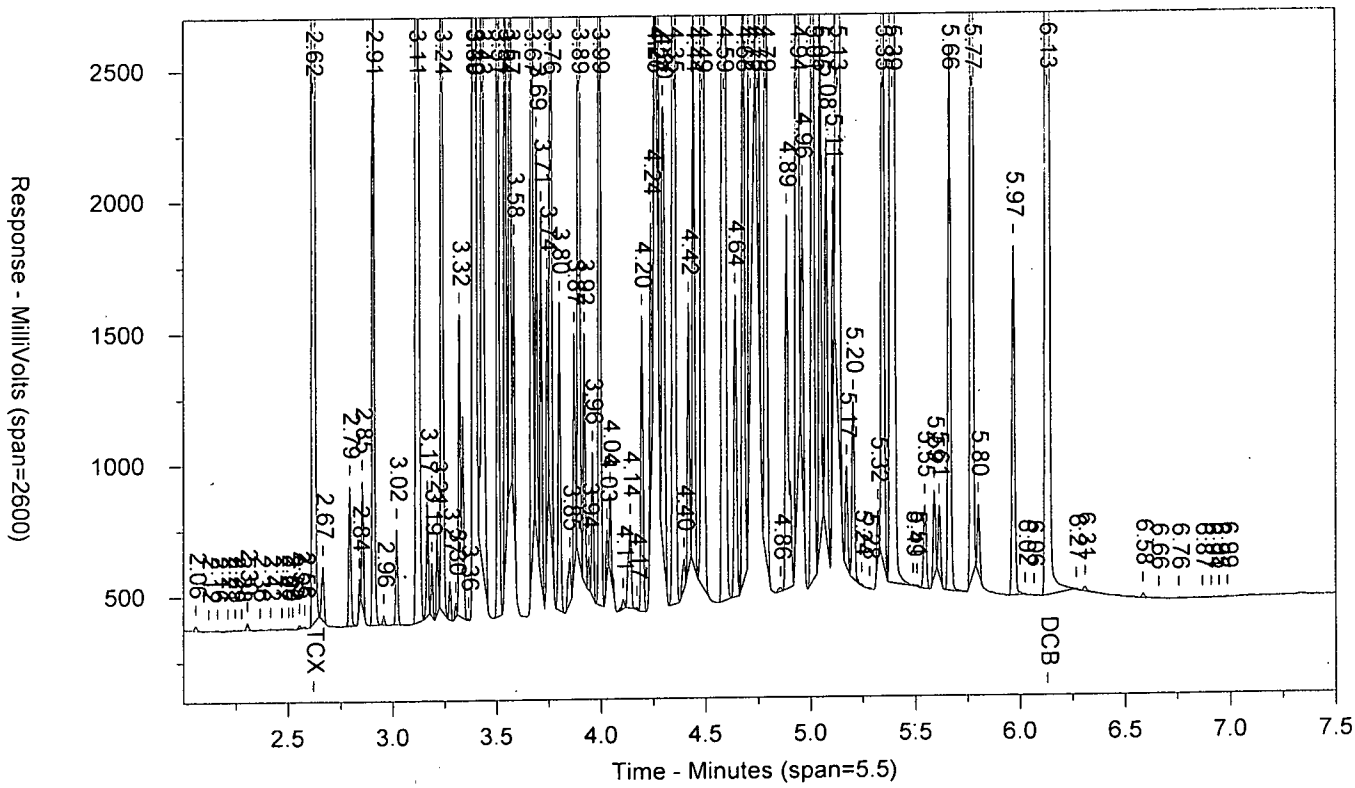

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:34:13 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	11246010	82.373	TCX	2.621	15396810	81.181	TCX
6.634	7409686	75.617	DCB	6.129	18473880	81.13	DCB

Files:
Area File: 25pcbs17116001.011.RAW
Area File: 25pcbs17116001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:42:44 PM
File Reported On: 4/26/2017 at 3:42:54 PM

AR1651724A AAAR165AA ICAL 1711599999 10736 SW-846 8082

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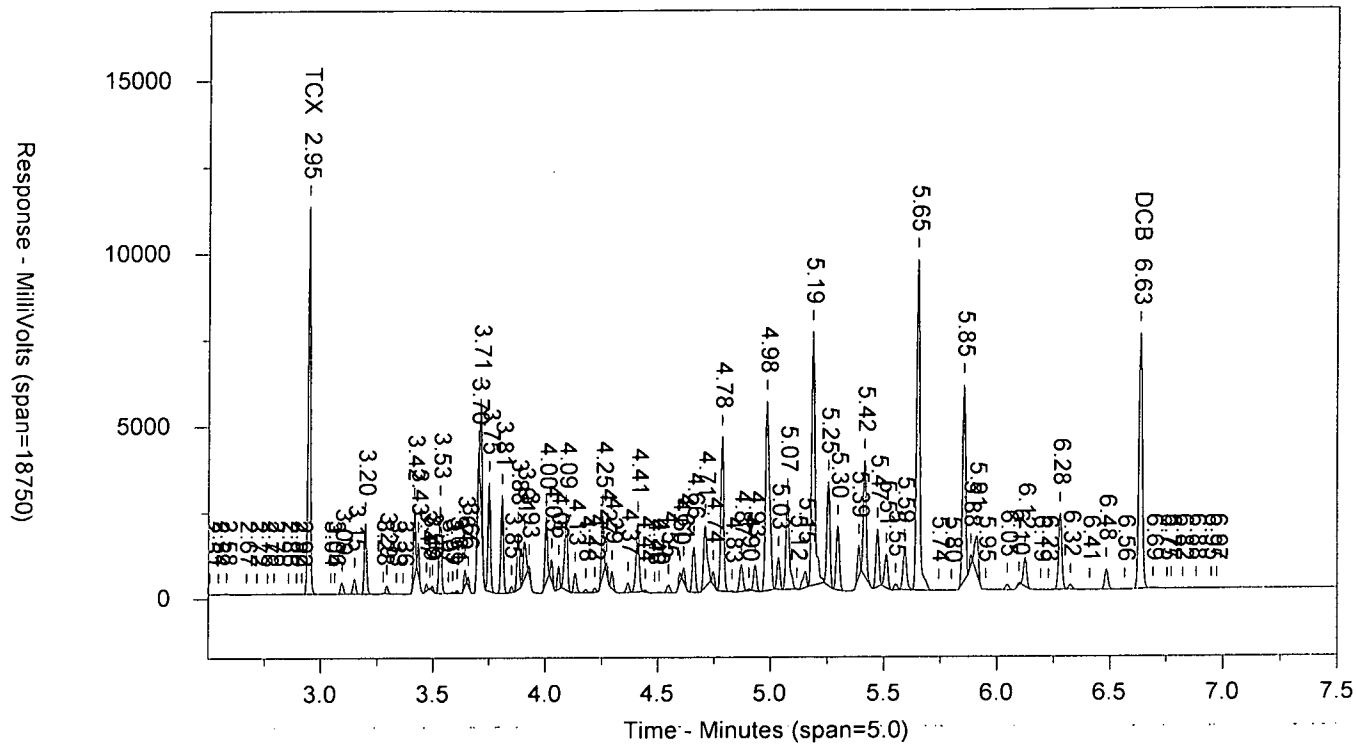

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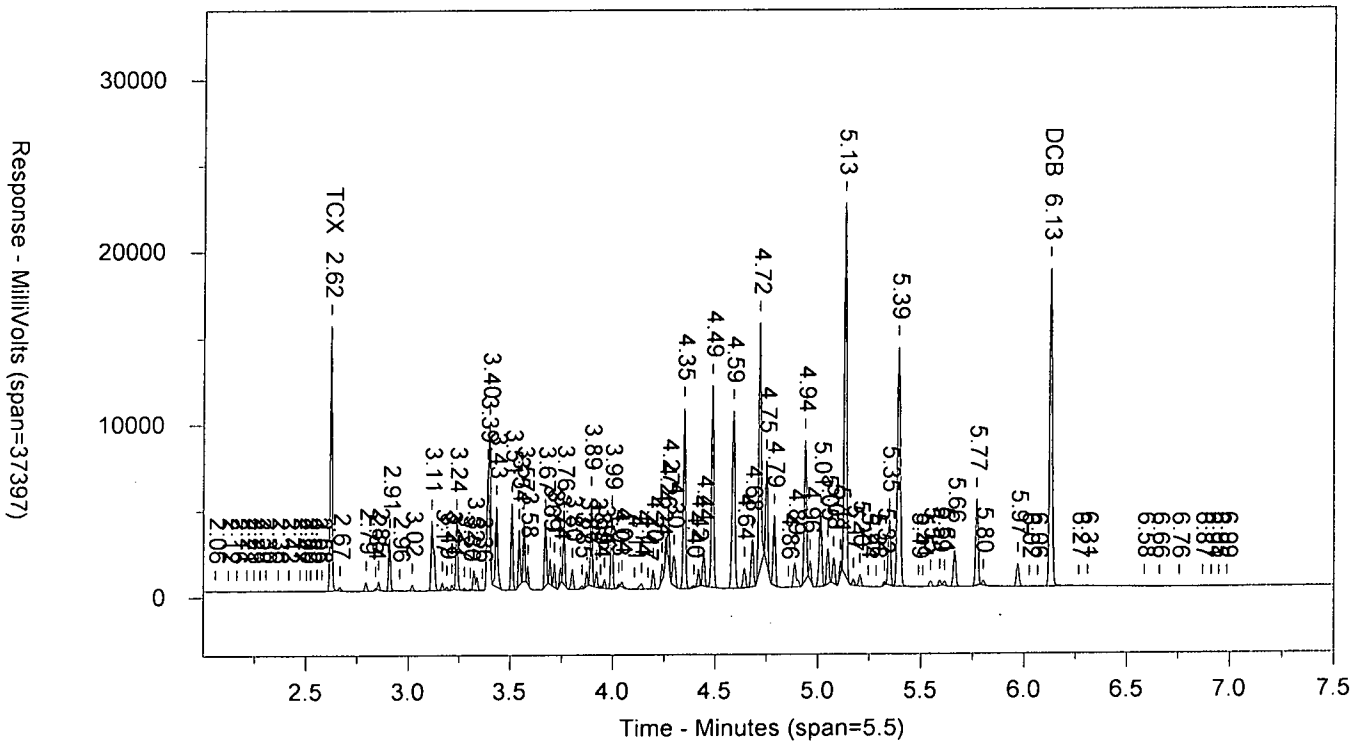

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		10969	12565
2.094		7668	19541
2.179		2262	4045
2.24		2991	3415
2.304		610	555
2.339		36398	26210
2.377		1020	2056
2.448		475	284
2.505		6275	6733
2.544		2051	1686
2.579		326	157
2.602		1411	1012
2.669		704	666
2.72		632	508
2.761		3275	5110
2.791		14839	13722
2.854		906	424
2.888		892	875
2.916		4062	3061
2.945	TCX	567301	406921
3.007		569	365
3.042		796	880
3.094		5627	5188
3.144		9664	9035
3.198		25290	18674
3.261		365	179
3.291		8935	10895
3.38		422	216
3.417		67659	42314
3.433		18650	9996
3.471		4827	2944
3.488		1460	1943
3.532		68400	53413
3.59		1933	1054
3.61		2601	1602
3.643		14116	10113
3.659		3630	1733
3.702		57722	30695
3.713		57190	29100
3.751		89151	68763
3.808		99929	74377
3.85		12667	9021
3.879		157996	118235
3.907		94288	76686
3.928		26388	14073
3.968		3493	3299
4.003		175202	133051
4.028		48497	31574
4.059		63316	44727
4.092		151810	140927
4.133		51064	41082
4.181		1591	874
4.197		11653	8183
4.22		11409	7332

RT A	Compound A	Height A	Area A
4.253		107576	75010
4.272		143034	92866
4.296		174854	139984
4.367		17222	19051
4.401		105077	89432
4.419		29562	16491
4.445		44399	32114
4.484		2366	1483
4.508		9007	7078
4.548		49513	45079
4.598		71389	61048
4.63		38581	29461
4.66		129029	115963
4.711		2190	1528
4.743		45348	42544
4.787		11376	13350
4.832		11380	10506
4.872		83396	79561
4.909		1107	780
4.936		1257	1109
4.952		2732	1890
4.985		11382	15445
5.026		5188	5450
5.068		84263	85060
5.117		2030	1685
5.147		3368	4089
5.188		21074	18966
5.21		1061	394
5.229		1524	775
5.256		3328	3033
5.298		1991	2802
5.37		2083	1921
5.393		5787	4268
5.416		3231	2450
5.447		810	427
5.473		2085	2127
5.55		2133	2348
5.59		4463	5548
5.65		6977	6414
5.676		1576	977
5.703		3400	3875
5.753		1716	2216
5.856		6513	7573
5.915		2322	4093
5.954		460	289
5.975		274	137
6.013		3352	5646
6.047		4580	4446
6.113		5554	9367
6.239		11086	19225
6.3		9536	28470
6.354		532	287
6.369		935	555
6.415		1399	1971
6.487		5730	6365
6.52		396	320
6.541		638	358
6.572		2183	2490
6.638	DCB	455924	499267
6.692		527	197
6.749		624	1526
6.797		1188	3346
6.836		2648	4222
6.89		547	476
6.914		2818	4281
6.967		1099	1035

RT A	Compound A	Height A	Area A
6.987		609	253

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.006		1604	1151
2.16		3391	6212
2.213		2655	3989
2.238		1813	1858
2.417		2675	4781
2.479		893	906
2.499		3423	3591
2.523		3069	1422
2.554		25923	22557
2.597		1550	671
2.621	TCX	710724	447130
2.71		1738	2530
2.793		7546	6059
2.839		11391	6078
2.855		6013	4191
2.907		37019	26861
2.956		2169	2403
2.997		3707	2121
3.019		7801	4451
3.084		917	1034
3.115		129327	115246
3.167		9575	6045
3.189		3850	2579
3.216		2996	1850
3.238		104230	71803
3.276		5545	3896
3.303		3771	2023
3.322		23885	12148
3.338		15355	7984
3.398		227642	265813
3.419		20772	9045
3.432		103474	66313
3.508		154415	103566
3.543		264361	169514
3.567		236556	136050
3.585		80680	41726
3.672		300428	201702
3.695		113577	65999
3.717		90866	52450
3.745		55221	27366
3.762		236585	143085
3.803		97555	69225
3.849		22424	22250
3.874		183376	118120
3.897		454587	294177
3.921		314711	200368
3.941		26557	12828
3.961		54490	35836
3.995		140156	97109
4.03		239661	184892
4.059		120260	69496
4.106		21313	22113
4.141		90692	68335
4.198		144837	103007

RT B	Compound B	Height B	Area B
4.231		95309	67948
4.259		228542	171555
4.297		4977	4605
4.352		98916	94709
4.388		24598	18573
4.42		149957	115378
4.445		4700	2699
4.487		18056	11341
4.513		13526	10397
4.532		4622	2922
4.587		25428	25430
4.639		148015	112186
4.677		15401	17921
4.718		51338	85766
4.8		2584	3885
4.866		6066	5916
4.941		7248	5333
4.963		14835	11902
5.013		4379	4839
5.05		3715	8265
5.111		7399	5492
5.132		14580	12555
5.204		7044	5913
5.242		1981	1986
5.317		1484	1316
5.346		10306	30548
5.414		12457	21155
5.462		4213	3734
5.502		2905	2386
5.547		12545	11018
5.588		2882	2479
5.615		20267	36293
5.682		9604	26519
5.717		3244	3822
5.769		6581	8161
5.837		1754	2634
5.879		2049	4597
5.972		15341	16426
6.093		983	3271
6.131	DCB	1014013	957039
6.307		3397	13241
6.401		1371	1859
6.555		1209	3419
6.584		1692	2073
6.684		991	1107
6.87		1232	20600
6.987		967	1003

AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082

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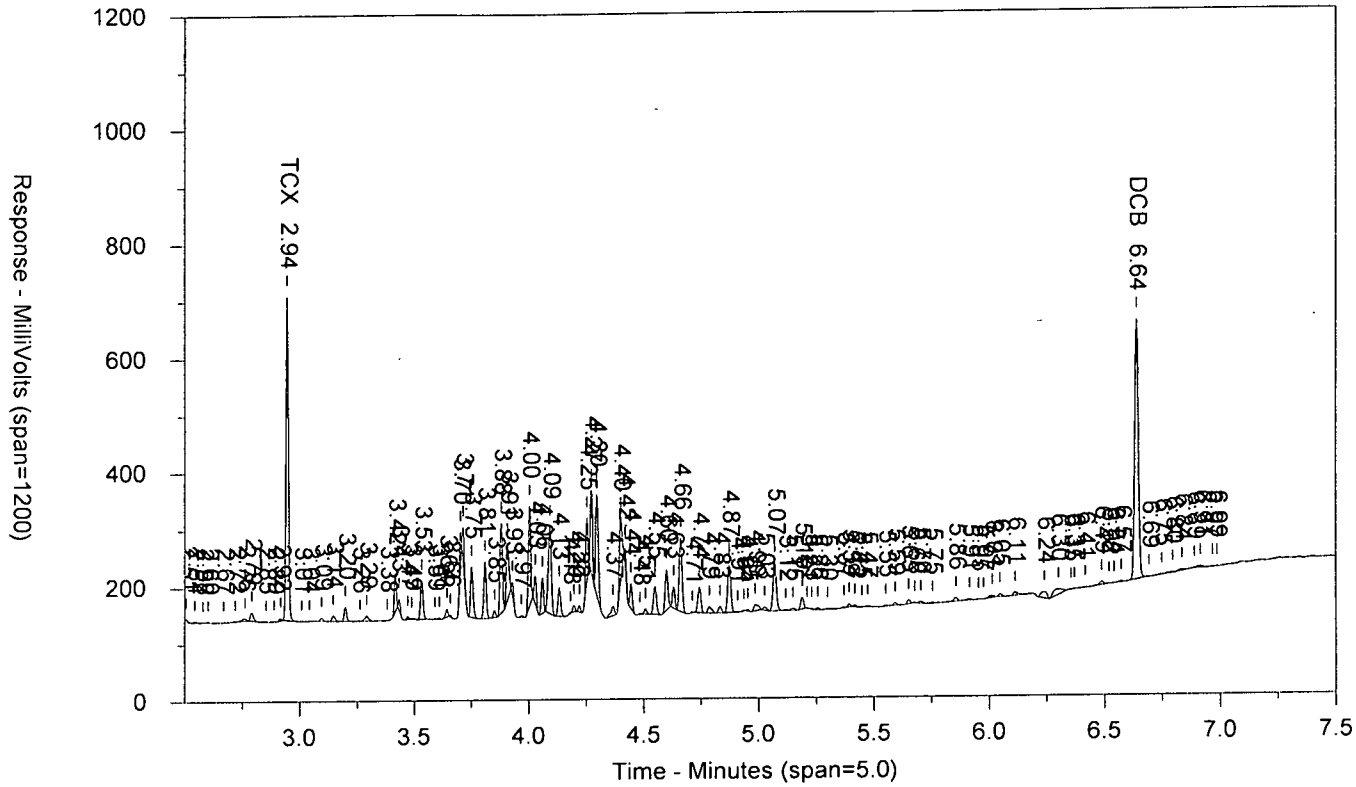

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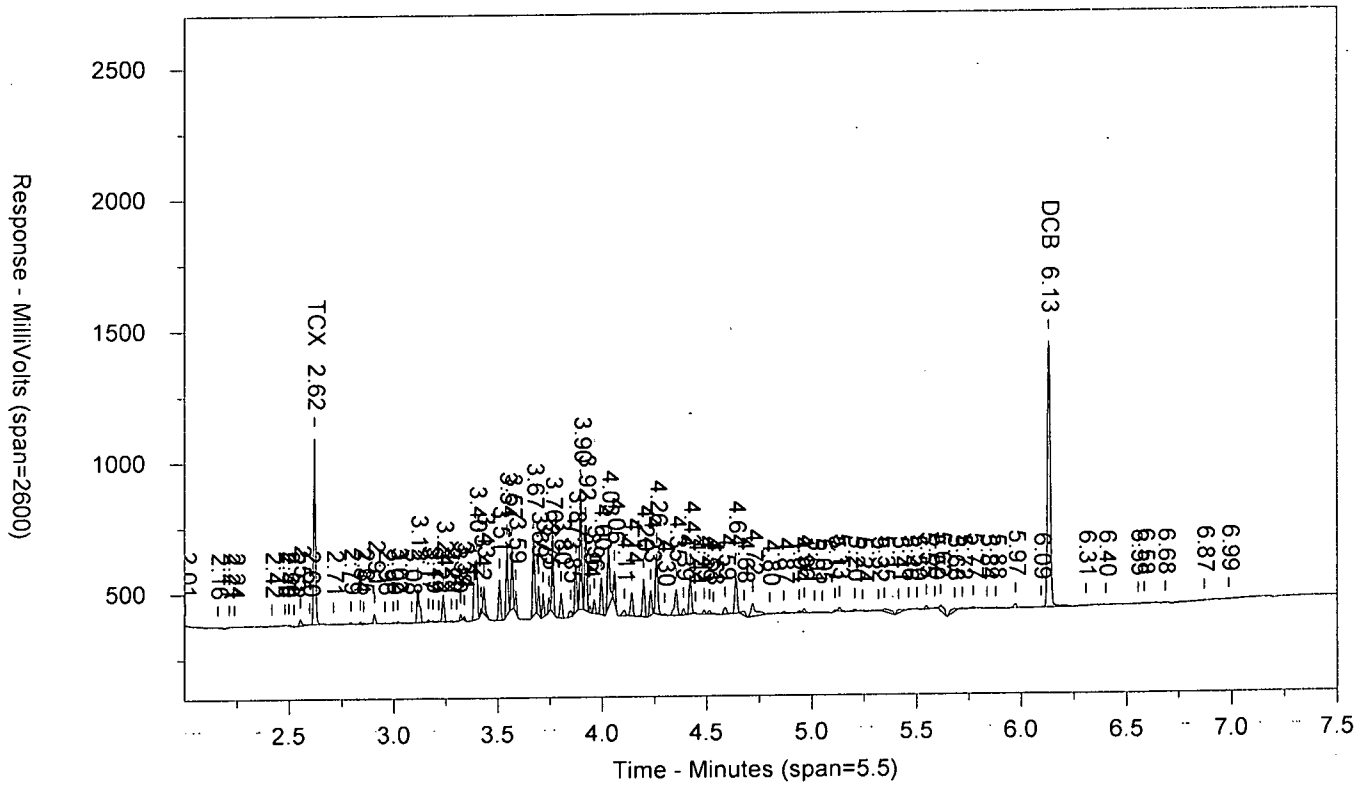

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:45:34 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	567301	4.059	TCX	2.621	710724	3.732	TCX
6.638	455924	4.574	DCB	6.131	1014013	4.302	DCB

Files:
Area File: 25pcbs17116001.012.RAW
Area File: 25pcbs17116001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 3:54:04 PM
File Reported On: 4/26/2017 at 3:54:42 PM

AR4811724A AAAR481AA ICAL 1711599999 10736 SW-846 8082

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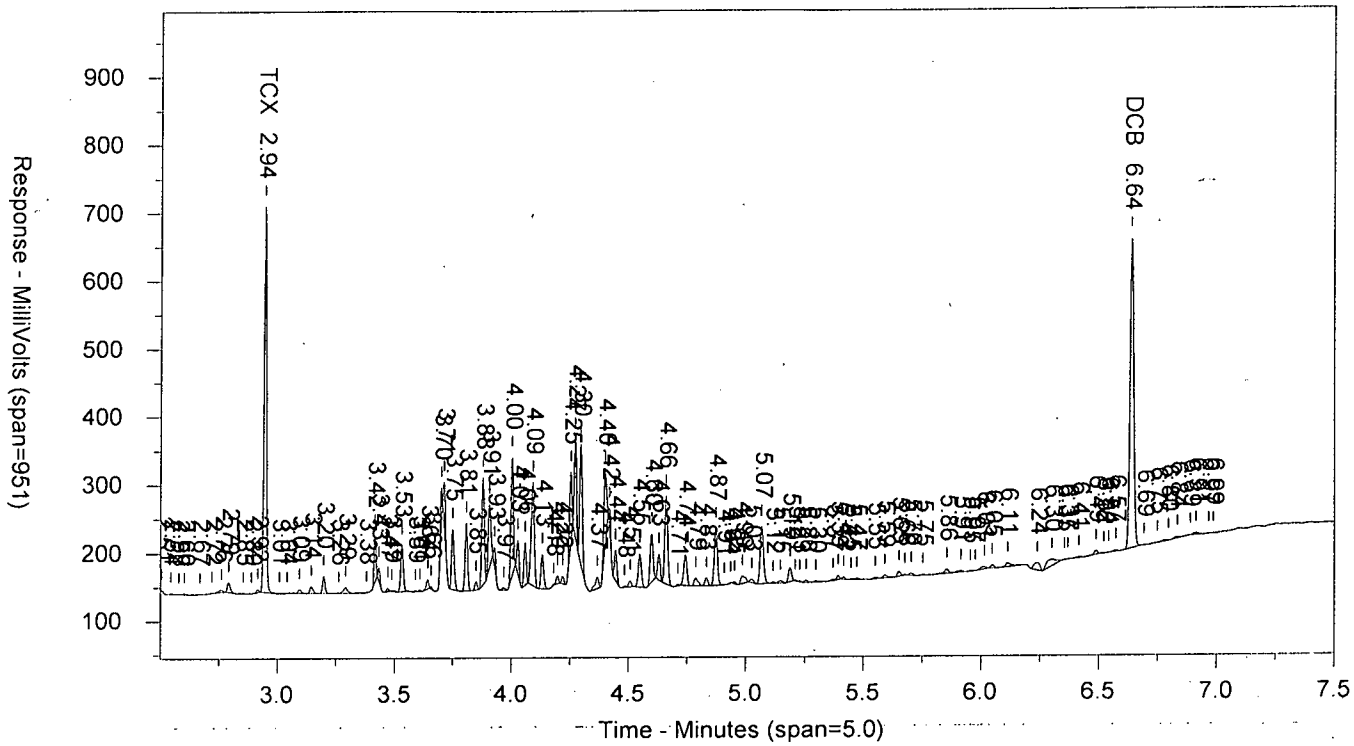

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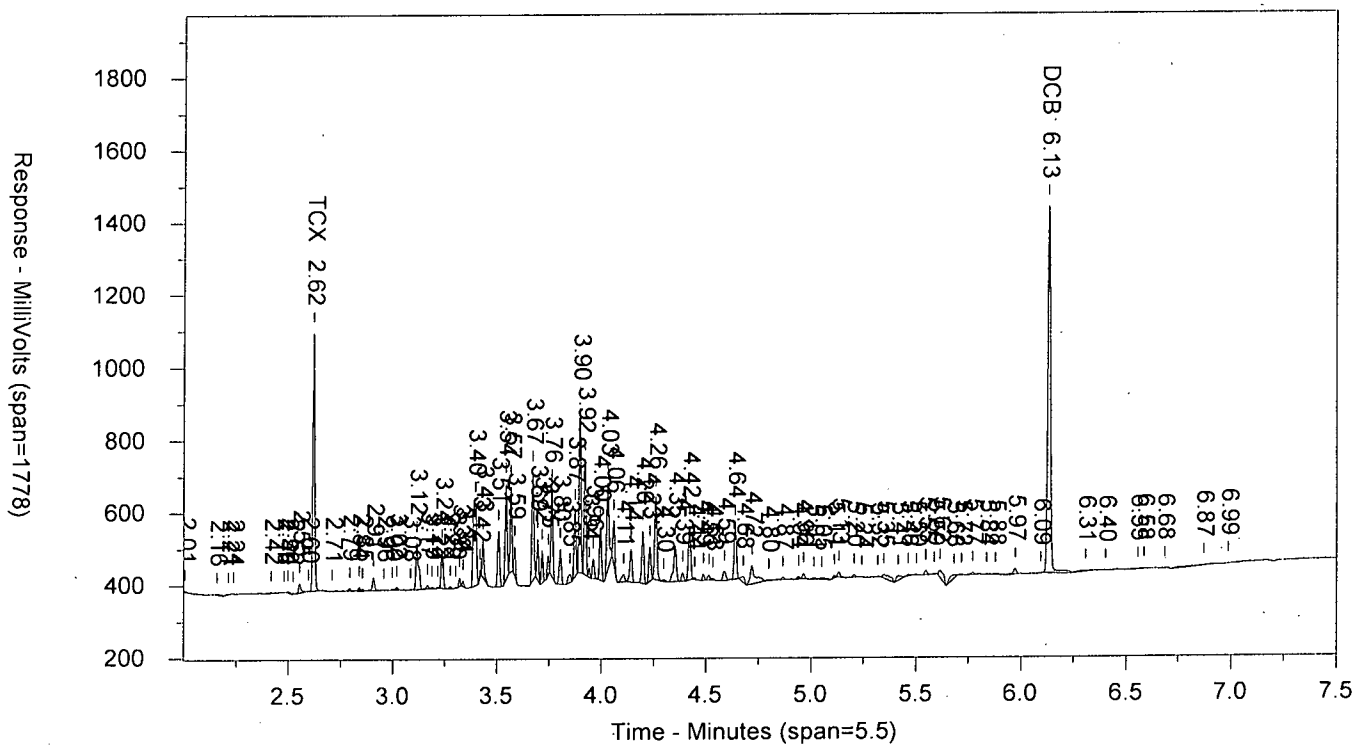

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.019		836	920
2.047		7688	8027
2.097		7035	19950
2.181		2999	4140
2.213		537	276
2.241		13730	11464
2.307		605	448
2.342		47284	37063
2.377		683	1240
2.507		4017	4677
2.546		2501	2128
2.581		839	528
2.604		1942	1287
2.673		802	828
2.703		427	444
2.718		387	184
2.761		3625	4432
2.793		22092	20842
2.836		310	160
2.89		704	490
2.917		2305	1538
2.947	TCX	2981250	2049103
3.045		1605	1590
3.096		10827	10028
3.146		39893	32663
3.2		51463	36875
3.257		417	189
3.279		4130	2216
3.295		8867	5438
3.383		568	398
3.42		131130	85520
3.437		40429	20788
3.475		10019	6103
3.492		2909	3548
3.536		137126	106698
3.594		10193	6197
3.613		4587	2711
3.648		25758	16065
3.663		7045	3358
3.707		112111	60269
3.718		116768	59342
3.755		168697	138087
3.813		191464	148600
3.854		25760	18816
3.883		306897	227099
3.91		180674	148118
3.933		55281	30389
3.973		1956	1427
4.008		349033	255899
4.032		98607	63797
4.063		124211	89466
4.097		296263	278081
4.137		103267	85453
4.185		4177	2785

RT A	Compound A	Height A	Area A
4.2		11357	6494
4.224		28848	21444
4.258		216008	151538
4.277		277771	178853
4.3		330260	257492
4.372		30636	30272
4.406		201560	174284
4.423		46667	33315
4.448		83147	61416
4.488		4796	3179
4.511		19341	14815
4.552		102336	92863
4.603		141442	125249
4.634		83902	62534
4.664		244483	218121
4.714		4098	2894
4.746		90248	88370
4.791		22665	27539
4.836		24527	21874
4.876		168990	158344
4.911		4239	3221
4.954		14453	19352
4.989		23277	34749
5.032		3796	4005
5.072		161689	163494
5.121		4192	3038
5.153		10623	12043
5.192		43444	38740
5.215		1914	943
5.23		2376	1590
5.259		6624	5828
5.301		3591	3699
5.336		644	511
5.395		13967	13789
5.419		6090	4544
5.446		786	527
5.476		3202	2749
5.512		1292	1528
5.556		7406	7257
5.593		7968	7156
5.654		13472	10562
5.678		11674	8764
5.704		1282	1317
5.765		723	869
5.858		12772	13261
5.915		5248	8413
5.973		559	960
6.016		2166	4115
6.051		21141	21049
6.114		25371	32586
6.183		2093	4371
6.254		2251	6345
6.287		5173	4741
6.342		475	179
6.377		521	1140
6.417		2179	3163
6.49		23909	26349
6.577		897	1081
6.64	DCB	1985707	2186373
6.715		631	688
6.742		1020	526
6.788		2695	4440
6.818		779	280
6.84		1651	2429
6.92		3289	8628
6.972		686	390

RT A	Compound A	Height A	Area A
6.982		643	359

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.003		987	535
2.056		4667	4487
2.162		3272	4057
2.21		2490	2355
2.243		1431	1597
2.414		4391	8707
2.501		6184	9897
2.524		2661	1181
2.554		42619	37940
2.621	TCX	4028564	2449913
2.794		16036	11745
2.84		54104	37669
2.907		73584	47298
2.957		10041	6642
2.998		1804	1079
3.019		15778	9999
3.116		242256	226097
3.168		19495	12013
3.19		7445	4763
3.215		7760	4195
3.239		199452	141339
3.278		10200	6551
3.305		19347	10045
3.324		46368	24292
3.34		26848	13884
3.4		462331	531176
3.421		39948	17391
3.434		195450	128164
3.51		307278	203139
3.546		535504	334753
3.569		483833	272462
3.588		156150	82369
3.674		649016	421516
3.698		206240	116128
3.719		209934	129907
3.749		106439	55568
3.766		478068	293052
3.807		191909	137188
3.855		36915	32229
3.876		368257	236556
3.899		935955	603345
3.924		655064	404071
3.944		54313	26076
3.965		81257	50353
3.999		276709	195703
4.034		486086	371649
4.062		243974	140898
4.109		41048	35367
4.144		174810	135857
4.202		305616	224446
4.235		178473	126714
4.262		463314	340393
4.301		10472	9208
4.356		192751	186719

RT B	Compound B	Height B	Area B
4.391		50261	35719
4.423		301331	242922
4.466		5067	2732
4.49		39717	25612
4.516		26137	19547
4.591		52265	52925
4.643		290791	235007
4.688		18146	23046
4.722		85781	73924
4.754		9591	11146
4.793		5914	4777
4.836		1181	671
4.87		4388	3350
4.892		1774	763
4.909		3248	2223
4.943		14558	10981
4.967		29623	22627
5.016		8289	8468
5.051		3452	2582
5.086		12945	9451
5.115		11666	7856
5.136		28536	24457
5.209		33110	32293
5.297		1487	1015
5.349		13555	12359
5.392		8621	6852
5.465		5678	5498
5.502		2626	3021
5.55		47680	42567
5.596		1602	1421
5.618		48962	44161
5.669		12878	13526
5.716		1913	2034
5.774		13928	16275
5.883		2293	6486
5.974		52532	47118
6.004		1667	1136
6.134	DCB	4745610	4398816
6.286		2846	8536
6.453		2009	2128
6.521		1576	743
6.589		5081	8077
6.749		1274	1486
6.853		1068	1413
6.934		1369	3852

AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082

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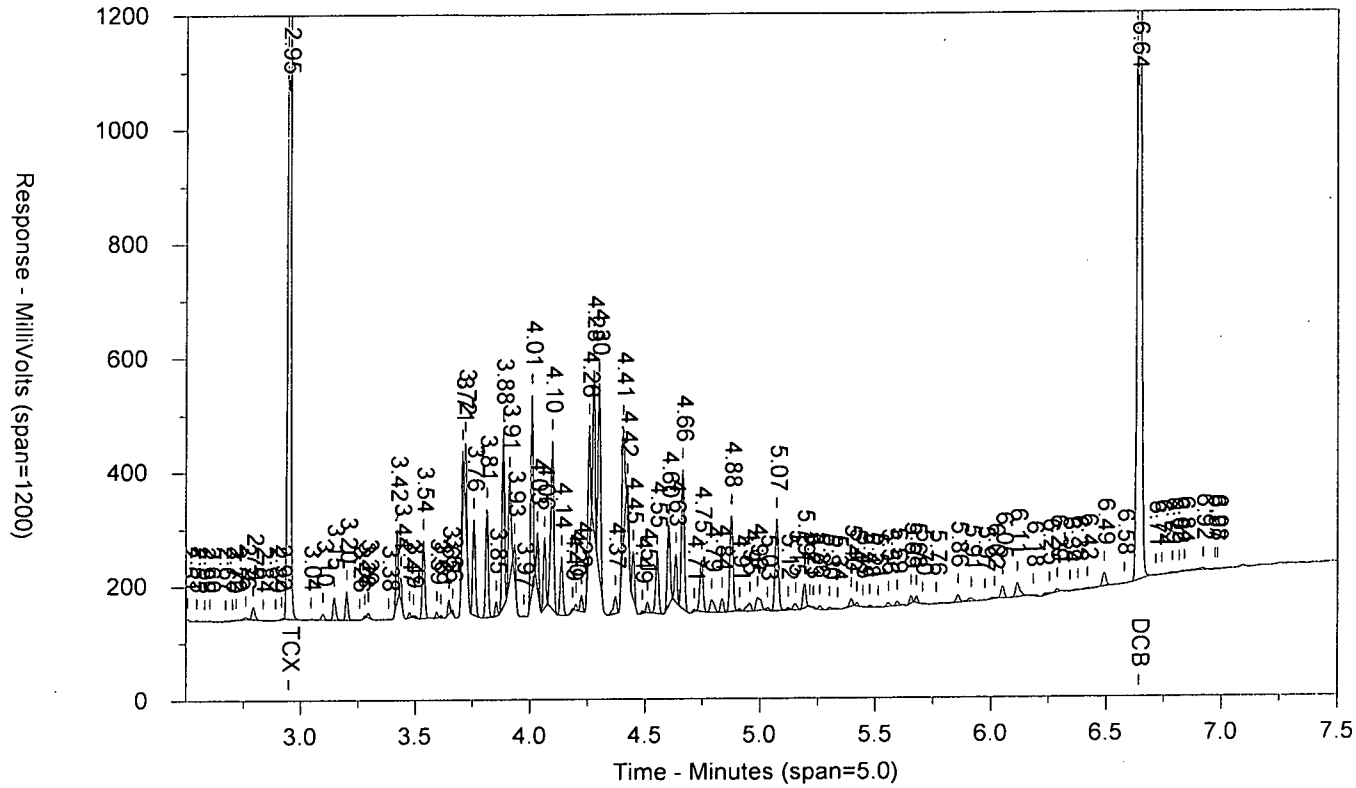

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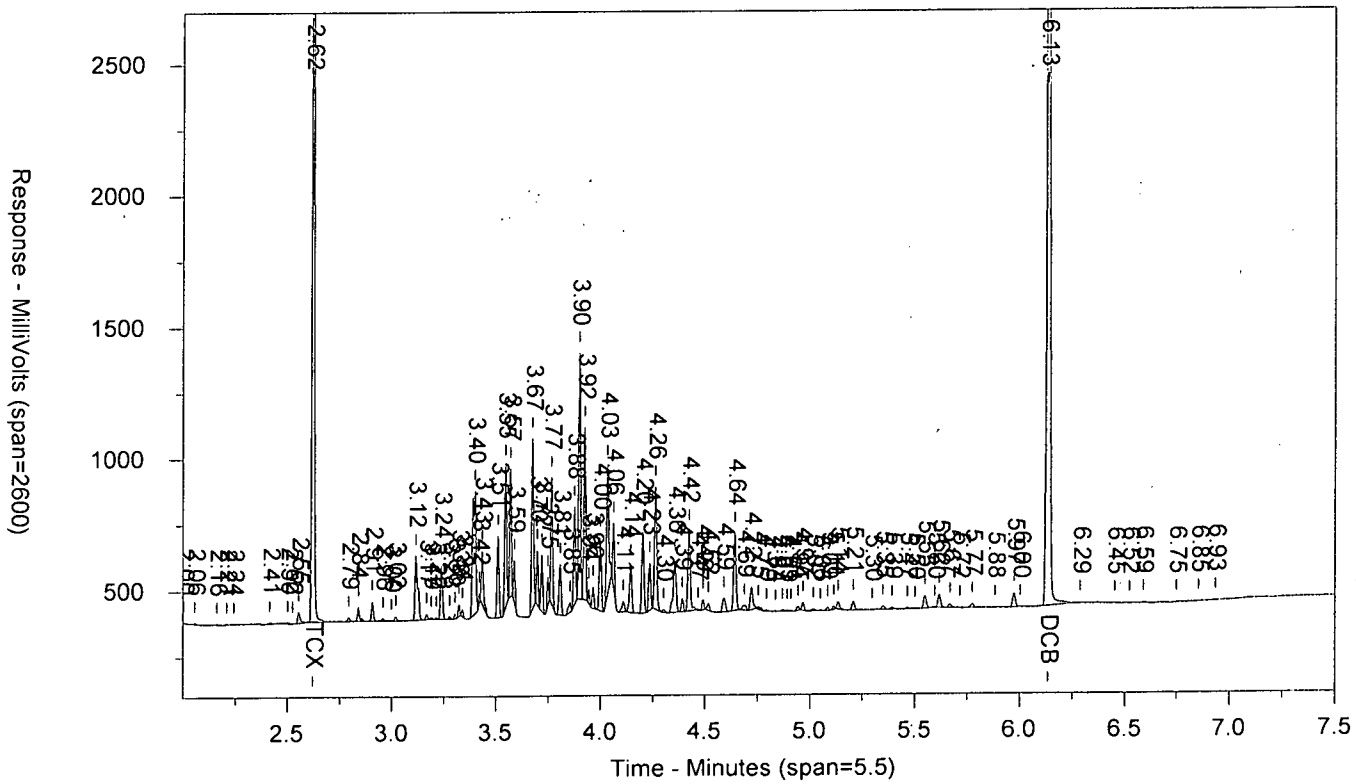

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 3:57:16 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2981250	21.329	TCX	2.621	4028564	21.155	TCX
6.64	1985707	19.92	DCB	6.134	4745610	20.131	DCB

Files:
Area File: 25pcbs17116001.013.RAW
Area File: 25pcbs17116001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:05:49 PM
File Reported On: 4/26/2017 at 4:05:58 PM

AR4821724A AAAR482AA ICAL 1711599999 10736 SW-846 8082

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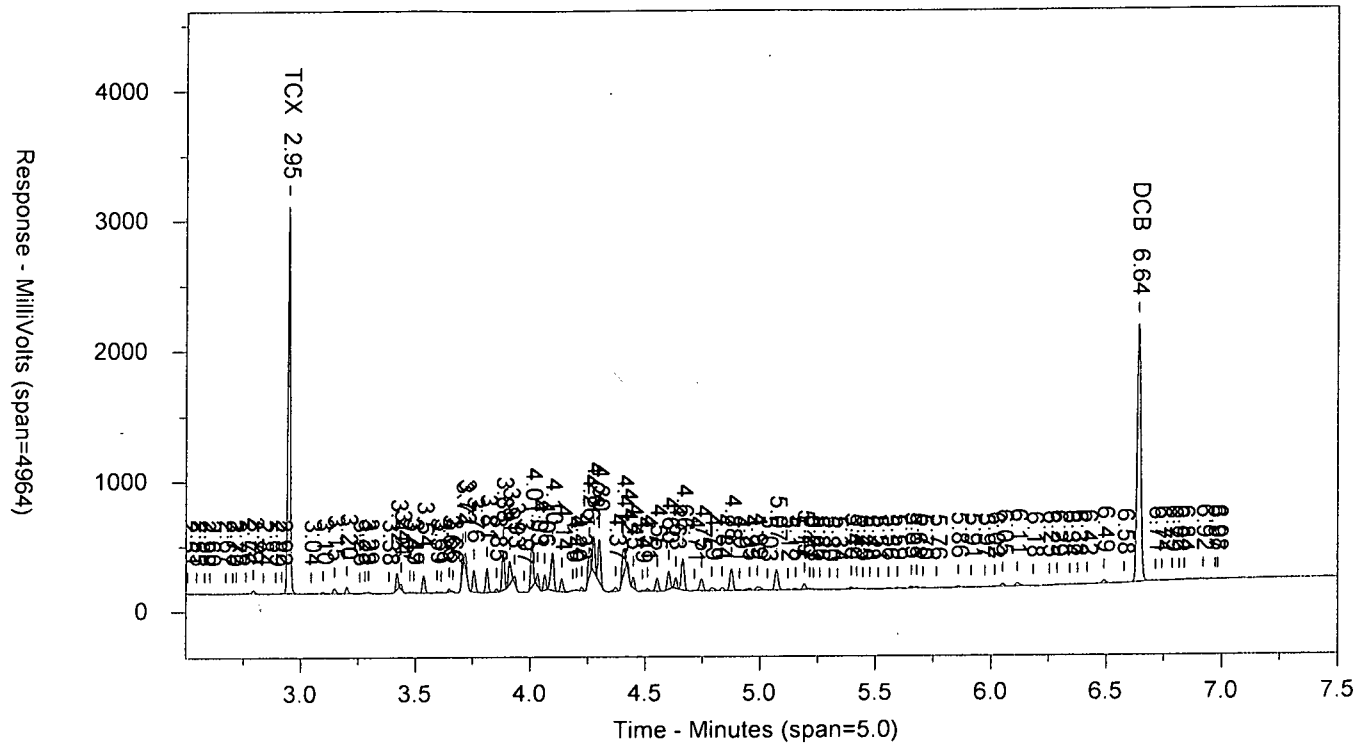

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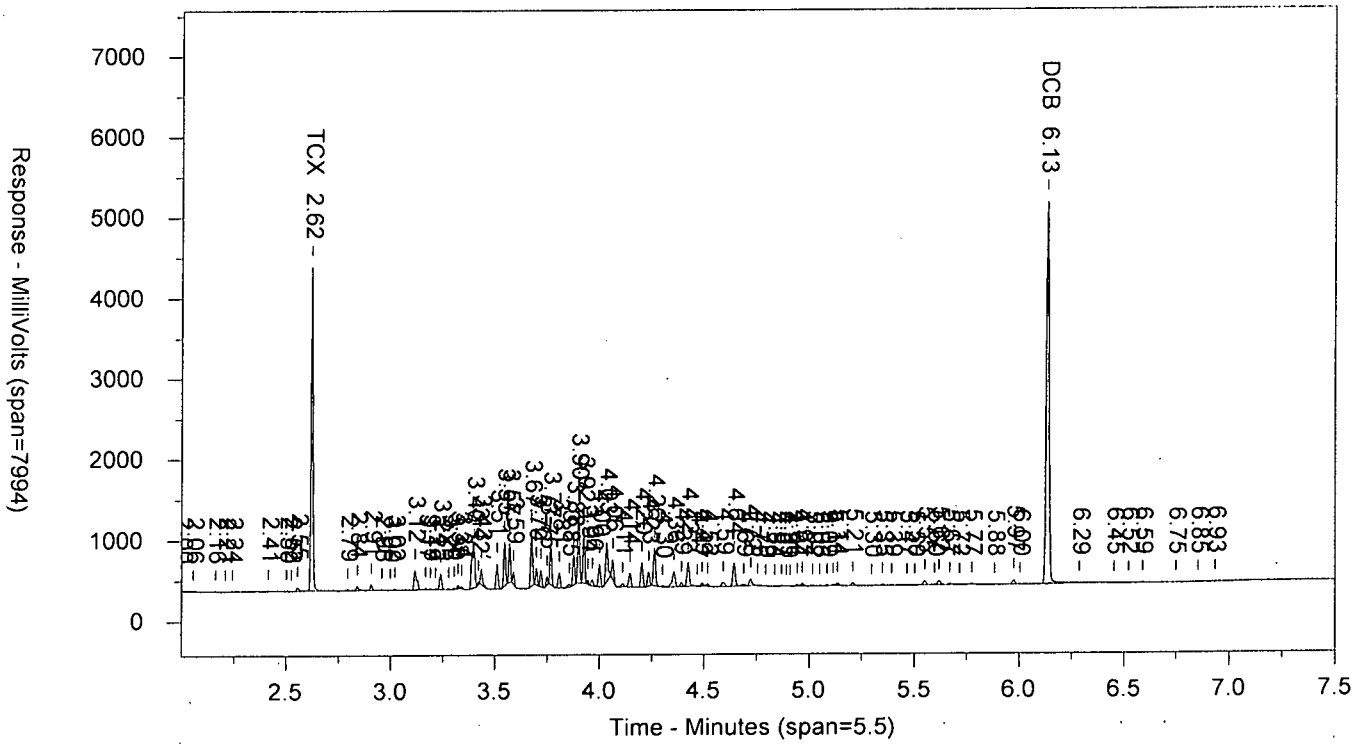


LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		7745	9296
2.092		2020	3179
2.177		3159	4406
2.239		25130	20762
2.288		489	477
2.34		42445	39838
2.441		669	651
2.474		509	228
2.505		4165	4269
2.544		2755	2442
2.581		1799	1198
2.602		726	338
2.72		986	849
2.759		2916	3464
2.791		12098	11027
2.889		864	592
2.914		1939	1351
2.945	TCX	5823421	3963737
3.045		1993	1598
3.067		938	639
3.095		19374	17568
3.144		77252	60423
3.198		90103	66544
3.277		8566	4740
3.292		15293	9328
3.417		229977	146421
3.434		68348	36006
3.472		17866	10612
3.487		2447	873
3.498		3580	1641
3.533		233086	188227
3.591		18082	11204
3.61		8936	5410
3.644		46505	27859
3.659		12043	5728
3.702		209079	118068
3.714		208246	99626
3.752		296773	240922
3.809		326974	259673
3.85		49567	34525
3.879		507379	388606
3.906		297927	247976
3.929		85235	49491
3.967		1215	774
4.003		594382	442228
4.028		155708	103275
4.059		206042	154054
4.093		500965	485935
4.133		177650	149564
4.181		11775	7497
4.196		6468	3140
4.22		57395	41758
4.253		387378	266577
4.273		487537	315389

RT A	Compound A	Height A	Area A
4.297		584507	447735
4.368		54229	53351
4.401		569577	852434
4.444		139437	103904
4.485		8310	5535
4.507		33497	25360
4.549		171423	160163
4.599		244180	212721
4.63		137144	105169
4.66		418167	370010
4.709		7463	5134
4.743		157194	153772
4.786		41790	48210
4.832		42491	38445
4.872		279303	269677
4.907		10307	7771
4.952		25890	34176
4.985		41189	64778
5.033		3915	3813
5.068		285345	281584
5.118		7144	4938
5.148		22497	24405
5.188		75333	67464
5.21		3191	1528
5.227		4675	2802
5.255		11861	10708
5.298		6628	9175
5.392		24607	21842
5.416		10543	7816
5.473		5640	4661
5.508		3302	3853
5.551		15279	14967
5.59		13149	12002
5.615		2412	1490
5.65		22001	17569
5.675		24534	20008
5.736		776	549
5.754		1184	834
5.854		21617	21677
5.912		8650	12543
5.996		4165	5718
6.047		44027	41585
6.083		836	560
6.111		48816	60861
6.172		834	1052
6.249		1490	2798
6.283		10887	14472
6.371		955	1253
6.414		2317	3540
6.456		750	376
6.487		47337	48240
6.573		350	624
6.582		423	121
6.637	DCB	3650685	4018157
6.73		1397	949
6.771		2577	4198
6.827		876	449
6.868		423	157
6.894		902	236
6.948		693	517

LANCASTER LABORATORIES

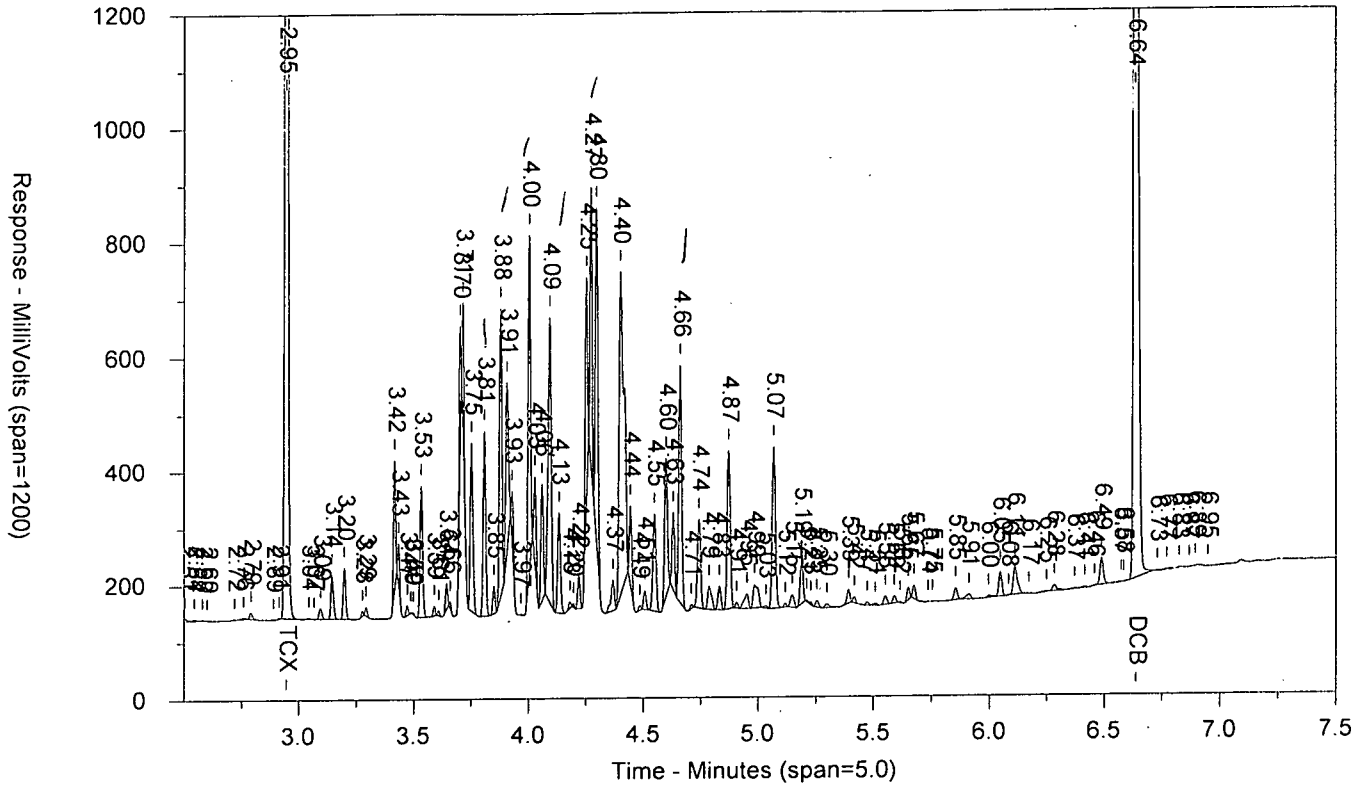
Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		12764	17921
2.151		831	9388
2.276		1883	11401
2.306		1223	2103
2.365		1696	1396
2.418		2649	2785
2.469		1129	1215
2.522		1830	726
2.554		18496	12404
2.597		1225	554
2.621	TCX	7867783	4752131
2.71		1691	1918
2.794		30303	21218
2.84		95373	69822
2.907		126543	81629
2.957		19534	11575
3.018		28027	17780
3.116		417884	386056
3.168		34136	20783
3.189		13651	8135
3.215		12316	6990
3.238		347445	239887
3.276		19587	11746
3.303		32801	17607
3.323		78866	42455
3.339		39672	19695
3.398		849199	932639
3.419		66566	28107
3.433		364830	224720
3.508		529141	349517
3.544		934041	576102
3.567		828211	470883
3.585		261101	138116
3.672		1130774	733080
3.695		354714	195078
3.716		367054	223624
3.745		176980	92973
3.763		859677	510592
3.803		327861	234751
3.852		64290	55532
3.874		657958	409031
3.896		1730835	1078349
3.921		1175633	726230
3.941		88146	42870
3.961		111307	66658
3.996		474133	337748
4.03		865833	653326
4.059		449377	252729
4.106		68741	55114
4.141		303113	229660
4.173		4366	2506
4.198		497653	383387
4.231		304307	211725
4.259		787379	585702

RT B	Compound B	Height B	Area B
4.296		16994	16538
4.352		326590	315100
4.388		84286	61310
4.42		513682	385244
4.443		14110	7130
4.461		13289	7446
4.488		64035	42725
4.513		44802	32734
4.587		90825	90157
4.638		515312	408589
4.689		37691	44957
4.718		137652	120622
4.75		14588	18395
4.789		10051	7063
4.847		1473	527
4.867		2717	1937
4.887		3117	1791
4.906		5558	3884
4.939		25239	18279
4.963		48851	37270
5.012		14443	18329
5.049		5625	4304
5.083		28113	23018
5.111		19855	12789
5.132		47160	39667
5.206		65386	63993
5.311		4864	6194
5.347		23586	22831
5.393		41009	39776
5.445		1937	938
5.461		5875	4493
5.547		89977	80315
5.615		98007	85310
5.664		26817	23124
5.771		23653	25018
5.921		2564	8209
5.97		95351	83957
6		3243	3557
6.065		1300	918
6.131	DCB	9104069	7892998
6.317		3992	14915
6.588		8754	7697
6.708		1102	456
6.763		1630	1268
6.851		1458	2270
6.904		1231	2001

AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.014.RAW



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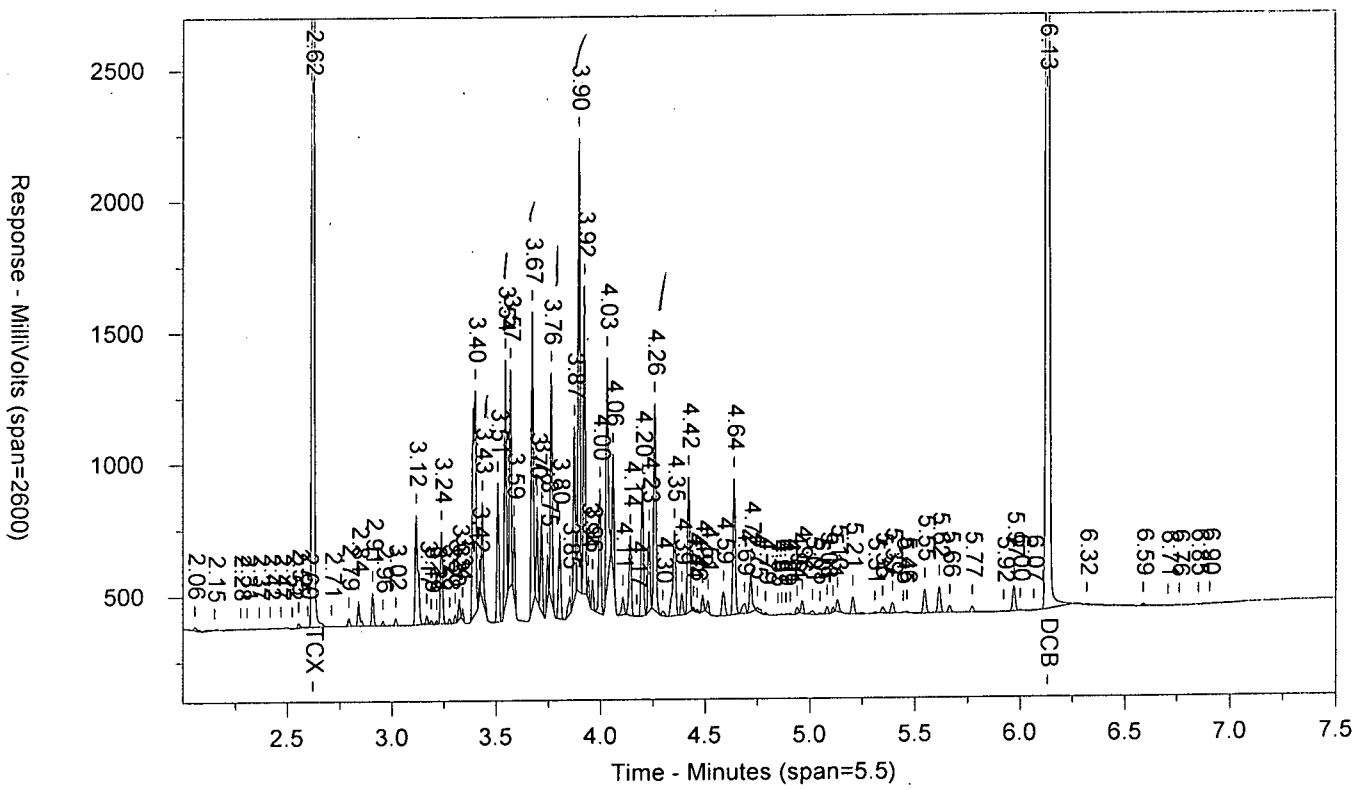

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5823421	41.663	TCX	2.621	7867783	41.316	TCX
6.637	3650685	36.623	DCB	6.131	9104069	38.621	DCB

Files:
Area File: 25pcbs17116001.014.RAW
Area File: 25pcbs17116001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:17:07 PM
File Reported On: 4/26/2017 at 4:17:17 PM

AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082

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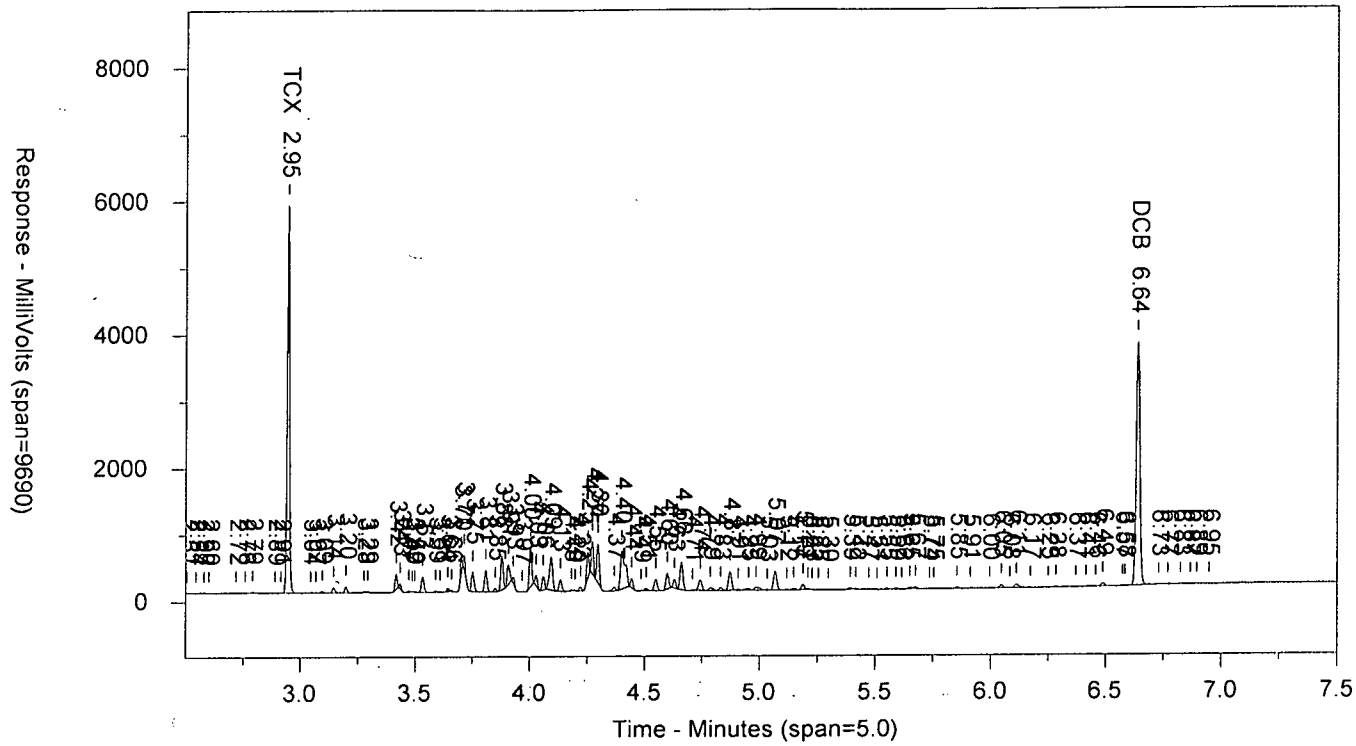

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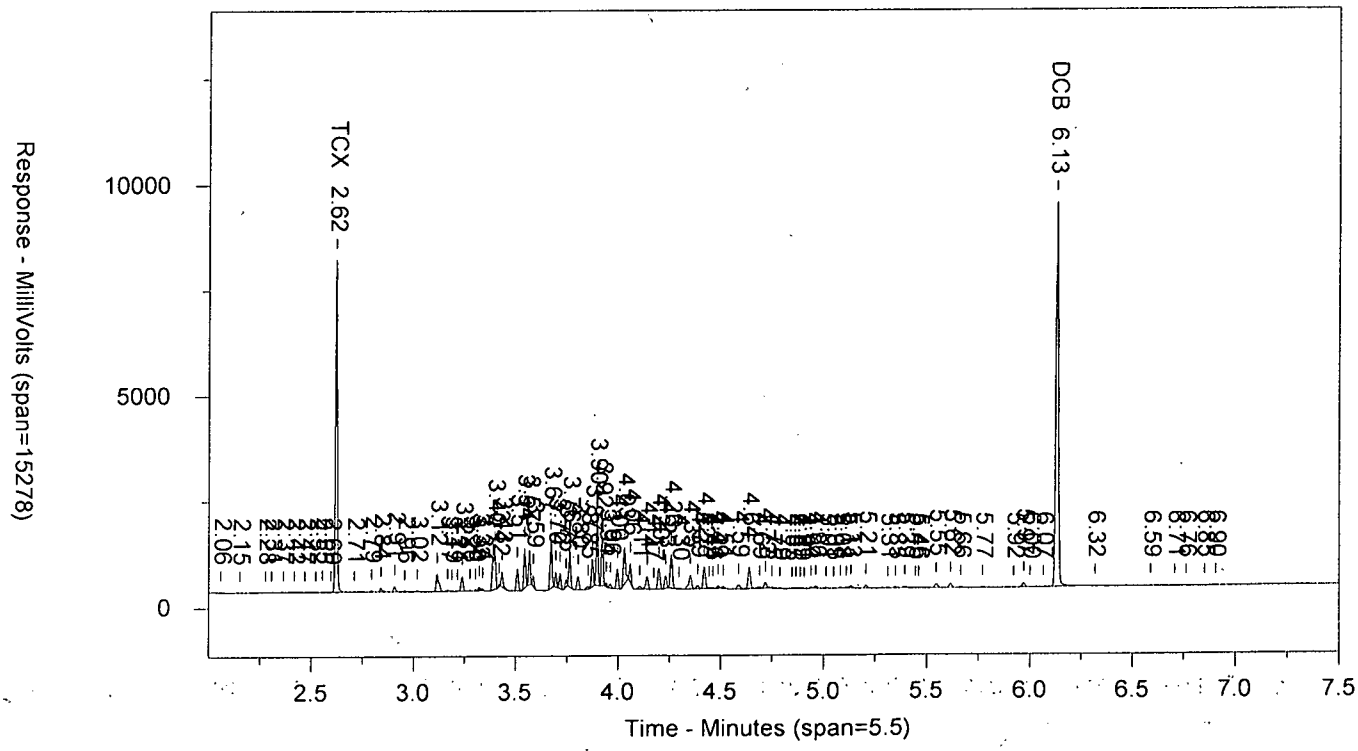

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		940	909
2.044		11147	11955
2.094		6238	7887
2.15		1336	658
2.178		1167	768
2.239		39914	31716
2.284		587	286
2.307		710	673
2.34		49030	43176
2.442		887	933
2.504		6354	7198
2.544		2848	2513
2.579		3502	2354
2.602		1622	952
2.722		1083	1049
2.752		6169	8086
2.791		16120	14612
2.855		1249	658
2.885		761	554
2.915		3241	2201
2.945	TCX	9355460	6503612
3.043		3827	2657
3.065		1068	709
3.094		47347	42088
3.143		129097	107517
3.198		218862	164056
3.276		12762	6747
3.292		40456	26017
3.335		994	634
3.38		937	563
3.416		553702	350214
3.433		165339	88375
3.47		45884	27389
3.487		4876	1752
3.496		7086	3413
3.533		572527	462567
3.57		1713	748
3.59		30380	18329
3.609		22675	13958
3.644		118389	71406
3.658		30908	14150
3.702		410643	244706
3.713		544907	277811
3.75		727035	591124
3.808		839485	654320
3.85		112582	84142
3.879		1271324	968168
3.906		773619	632471
3.928		213647	111581
4.003		1531453	1143512
4.027		390084	263827
4.06		508088	372337
4.092		1326735	1236076
4.133		435971	367153

RT A	Compound A	Height A	Area A
4.18		49127	48765
4.22		147911	111653
4.253		1019775	687404
4.272		1411254	881582
4.296		1580894	1188572
4.367		138040	135162
4.402		951308	811303
4.42		321447	169285
4.445		332026	242077
4.485		21405	14097
4.507		84951	66512
4.548		414896	390909
4.598		599606	535111
4.63		328893	253112
4.66		1019302	921895
4.71		17187	12861
4.742		382929	379891
4.786		100083	125765
4.832		114191	101315
4.872		709183	684394
4.906		14251	10059
4.951		73087	94791
4.985		106645	168936
5.032		8715	7937
5.067		738152	733025
5.116		18865	14303
5.148		36001	42304
5.187		194459	204007
5.227		10709	6637
5.255		31641	27488
5.297		15573	14983
5.327		1861	1420
5.392		68347	56330
5.416		30170	21530
5.472		14540	12868
5.508		7929	8704
5.55		20072	20472
5.589		37966	34228
5.615		5699	3772
5.65		67009	55490
5.675		32642	24418
5.756		1367	1709
5.803		416	361
5.853		57055	55874
5.91		22894	34605
5.974		238	667
5.996		8172	10196
6.047		63243	65587
6.111		73511	98458
6.171		2439	8119
6.241		6626	13093
6.283		30364	35285
6.371		820	595
6.417		3692	4555
6.456		652	420
6.486		79060	84389
6.539		650	408
6.575		2129	3411
6.636	DCB	6172860	6608836
6.689		1526	639
6.73		1843	1881
6.765		1191	735
6.785		1589	1527
6.813		662	244
6.834		1441	1314
6.864		1348	631

RT A	Compound A	Height A	Area A
6.885		522	192
6.906		1826	2994
6.994		390	428

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		14930	12455
2.16		4145	6613
2.213		3030	3924
2.238		1559	1735
2.277		1129	1056
2.305		4127	2663
2.37		1920	2388
2.416		3742	3739
2.474		1486	1893
2.554		29926	25917
2.621	TCX	12627020	7939204
2.664		16920	9160
2.71		1798	2319
2.794		73419	53869
2.839		151976	125498
2.907		307947	196872
2.956		31741	20560
2.997		1969	1370
3.019		73109	47594
3.078		1300	969
3.115		1110985	961782
3.167		84082	52767
3.189		34165	20552
3.215		31460	17627
3.238		904171	607414
3.276		46268	28334
3.303		52980	28520
3.322		215219	213667
3.364		2199	896
3.398		2243070	2539351
3.419		161656	63717
3.432		987072	598129
3.507		1427709	926981
3.543		2572300	1559421
3.567		2370624	1295715
3.585		703176	359492
3.671		3093358	1949121
3.695		933963	514237
3.716		952778	570791
3.745		461449	238768
3.762		2386070	1416141
3.803		829171	594621
3.852		155371	136753
3.873		1831097	1127436
3.896		5028161	3051214
3.921		3403349	2068610
3.941		225327	109897
3.96		242919	142089
3.995		1290272	891072
4.03		2462243	1827457
4.059		1311470	742214
4.106		163323	126171
4.141		754638	583671
4.173		6190	3345

RT B	Compound B	Height B	Area B
4.198		1388778	1008238
4.231		798534	558063
4.259		2250080	1599270
4.297		43968	41594
4.352		843066	812644
4.388		215346	156081
4.42		1447505	1044629
4.444		39591	20670
4.487		158879	103645
4.512		109464	80935
4.587		230078	220583
4.638		1460535	1137639
4.68		70914	79456
4.718		349838	310914
4.75		34156	43417
4.789		26031	18602
4.864		9352	11142
4.887		8064	4371
4.906		14513	9277
4.939		61887	45173
4.963		122144	97787
5.012		34638	35520
5.048		14559	11894
5.083		37698	29711
5.11		54851	36582
5.132		121544	101662
5.205		92308	78124
5.241		2579	2159
5.325		3067	2067
5.347		57535	48699
5.391		69204	76545
5.462		19815	17042
5.499		3680	3629
5.547		132769	117212
5.589		2771	2290
5.614		139980	129328
5.665		46421	43185
5.712		3296	3283
5.771		57914	52285
5.802		4479	3313
5.835		1832	2286
5.881		5215	4723
5.921		3181	2885
5.97		165117	143001
6.002		4402	2668
6.024		2689	1607
6.13	DCB	15547110	13308680
6.258		2081	1492
6.277		2887	2919
6.3		3823	3439
6.326		3152	8336
6.541		1830	1644
6.587		14983	15893
6.69		4731	8800
6.761		4793	11319
6.832		1112	2172

AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082

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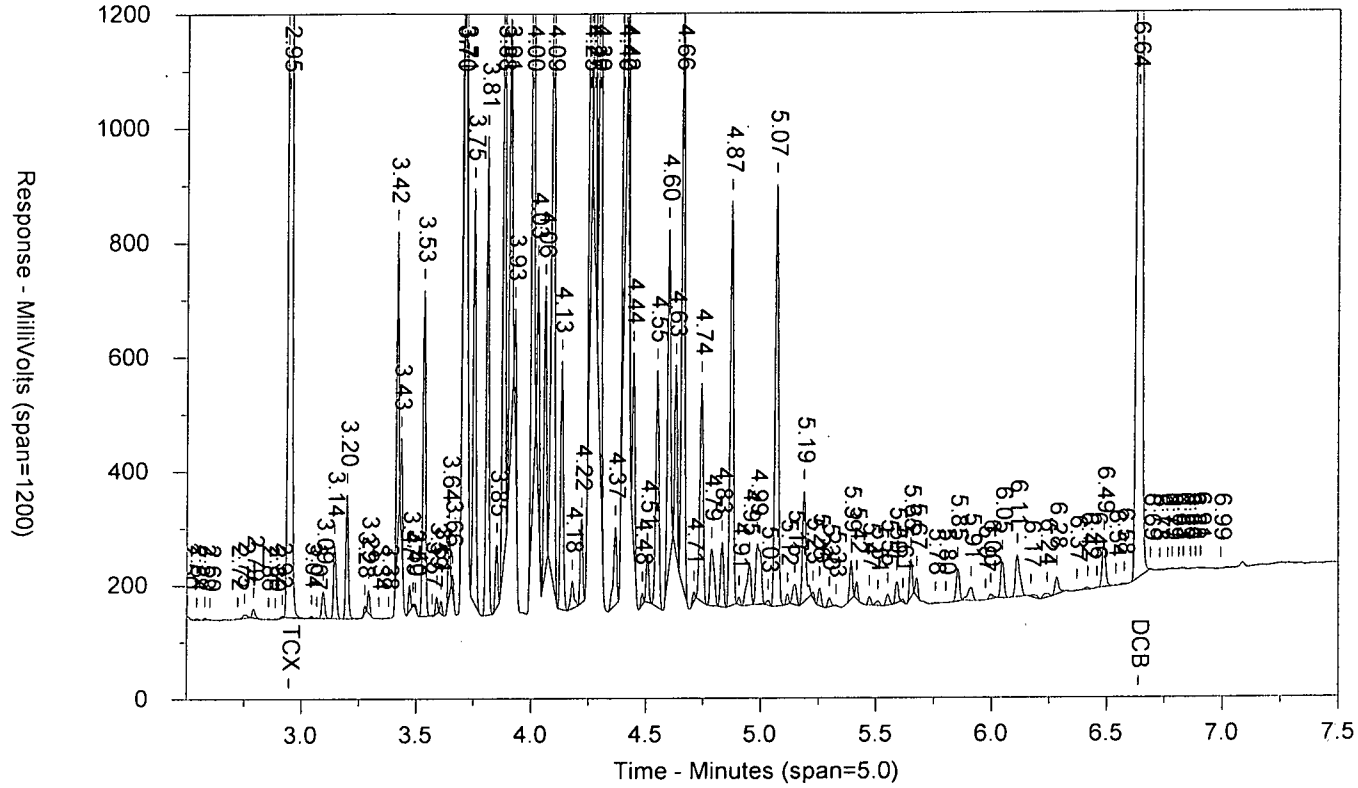

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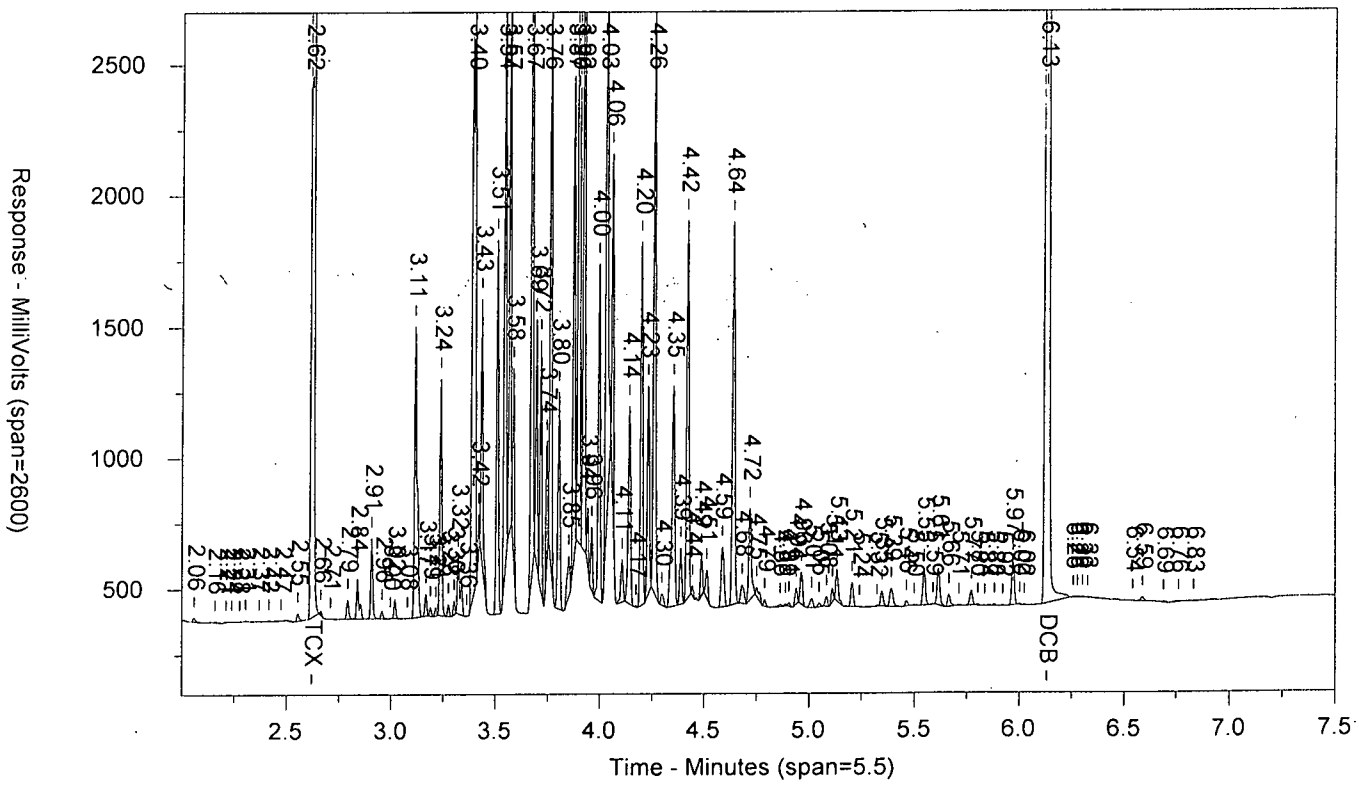

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:19:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	9355460	66.933	TCX	2.621	12627020	66.309	TCX
6.636	6172860	61.925	DCB	6.13	15547110	65.953	DCB

Files:
Area File: 25pcbs17116001.015.RAW
Area File: 25pcbs17116001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:28:23 PM
File Reported On: 4/26/2017 at 4:28:35 PM

AR4841724A AAAR484AA ICAL 1711599999 10736 SW-846 8082

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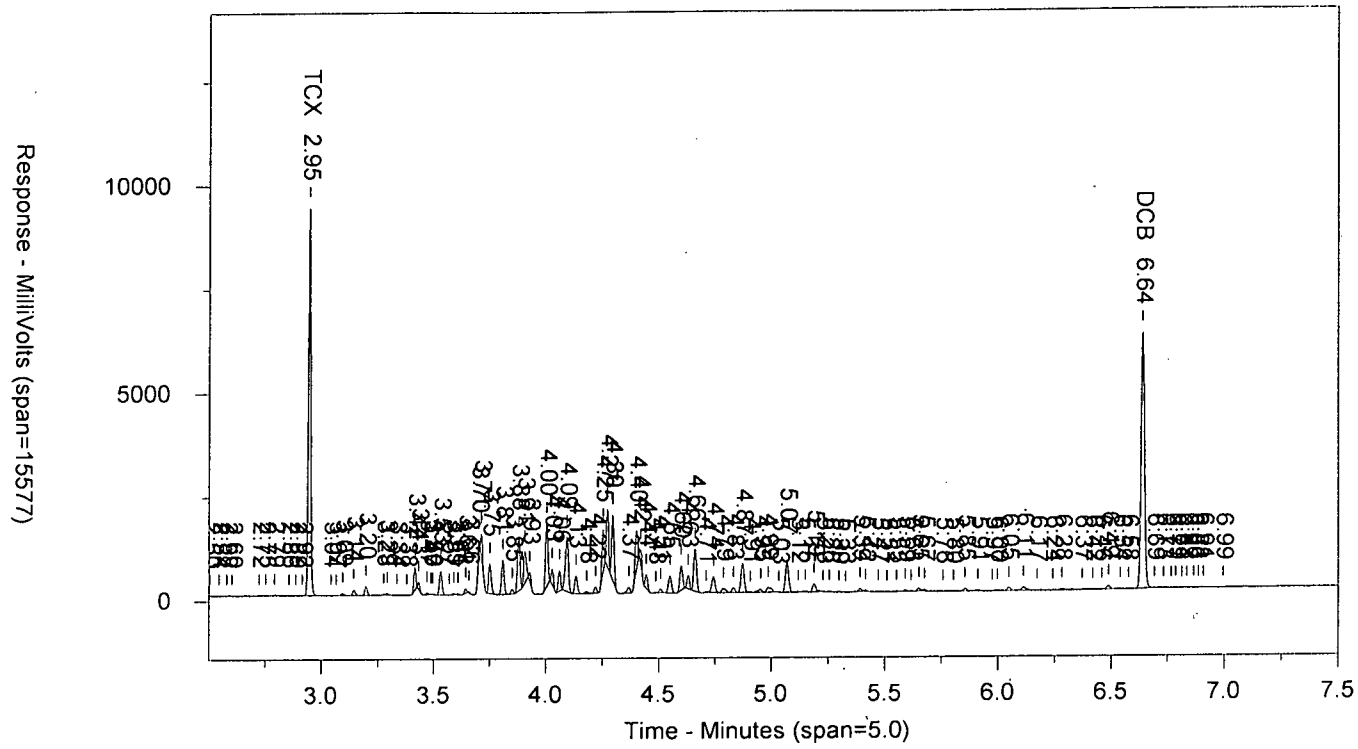

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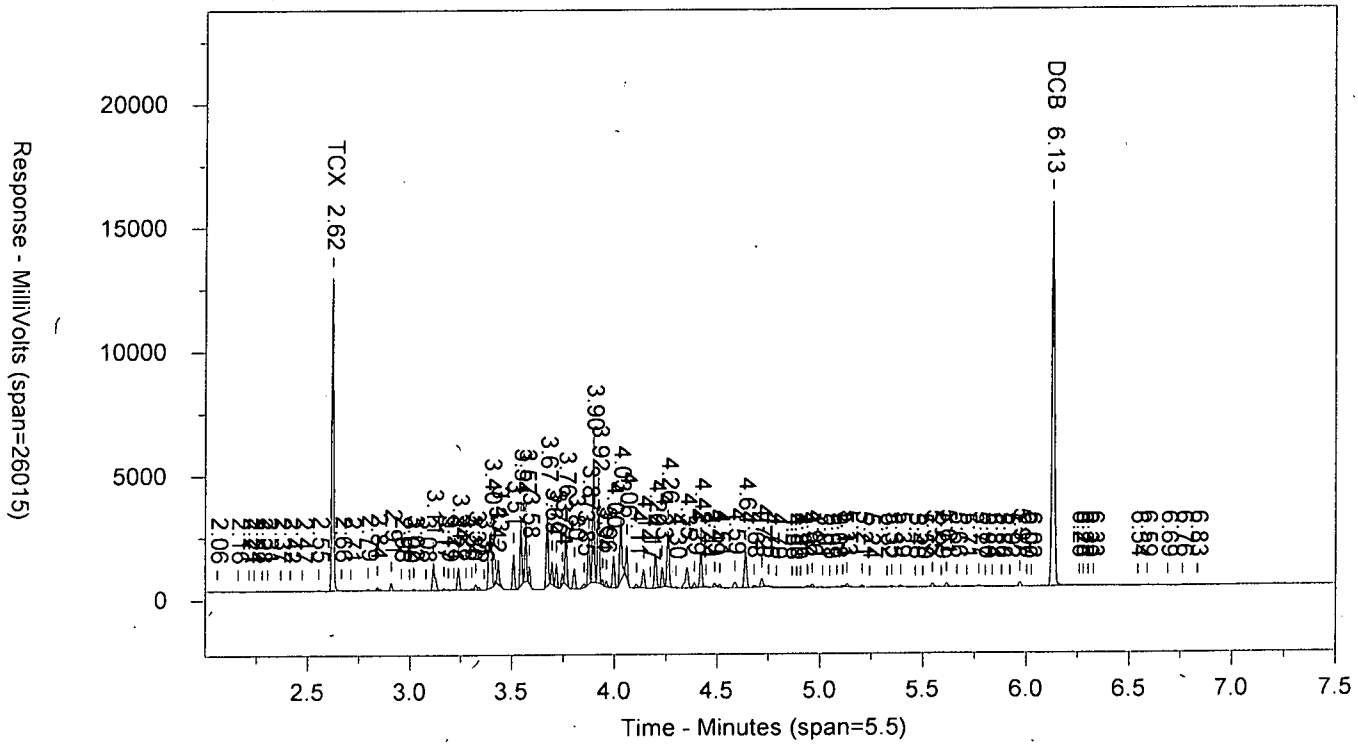


LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		7780	9352
2.094		8025	13495
2.149		1238	1415
2.212		465	288
2.239		49764	38542
2.34		49779	51218
2.443		890	751
2.506		4262	5503
2.544		2184	1778
2.58		6808	4540
2.602		1456	930
2.667		860	791
2.719		989	922
2.759		3627	4619
2.791		30168	29937
2.856		1723	1013
2.89		709	627
2.915		2017	1303
2.946	TCX	11770730	8163957
3.044		4382	2993
3.063		1012	589
3.094		88443	78330
3.145		159024	149215
3.198		392468	290767
3.276		15076	7756
3.292		78673	50402
3.335		1406	1100
3.384		653	352
3.416		1027189	637937
3.433		294381	159304
3.471		84722	50475
3.487		16447	22143
3.532		1054229	829226
3.57		2620	1257
3.59		36002	21471
3.609		45395	27969
3.643		203606	124953
3.658		55380	26553
3.702		980789	500772
3.713		1109933	540782
3.75		1387502	1084905
3.807		1514410	1203571
3.85		200982	150845
3.879		2418095	1791454
3.907		1512711	1179756
3.928		376874	211825
4.003		2844586	2116306
4.027		728883	474007
4.059		914551	669117
4.092		2502561	2300001
4.132		778933	654817
4.18		92752	87547
4.22		256827	201357
4.253		1941866	1280758

RT A	Compound A	Height A	Area A
4.272		2694961	1658279
4.296		2998523	2253282
4.367		237742	234774
4.4		1823770	1495016
4.42		672101	363102
4.444		595587	422303
4.484		41318	26794
4.506		144828	116835
4.548		757031	692071
4.598		1130393	979837
4.629		618222	461646
4.66		1949762	1689938
4.71		32534	24299
4.741		683438	671516
4.786		170749	220294
4.831		192384	179580
4.871		1351625	1241513
4.906		18717	12701
4.951		136147	175746
4.984		186584	300705
5.034		15374	11930
5.067		1383356	1354209
5.117		36346	27157
5.147		51383	65509
5.187		342889	357205
5.227		22462	13040
5.255		60851	52426
5.297		29401	27946
5.327		3764	2593
5.391		115580	100024
5.415		52908	38783
5.471		26241	22911
5.509		13600	14876
5.55		26797	26810
5.588		71512	63689
5.614		10388	6449
5.65		113585	102439
5.673		36018	26568
5.757		1113	1335
5.796		601	133
5.854		100486	98085
5.91		40932	62297
5.955		705	552
5.995		14497	15157
6.046		81596	82978
6.109		90398	127655
6.236		1133	2316
6.281		52364	53356
6.326		2446	1934
6.348		465	155
6.367		1155	1043
6.415		3355	4376
6.459		1068	753
6.485		103488	111089
6.55		436	644
6.588		901	1541
6.635	DCB	7882568	8286689
6.732		1965	1338
6.767		3126	3909
6.799		425	318
6.835		2162	2090
6.863		998	449
6.888		829	409
6.911		1916	1423

LANCASTER LABORATORIES

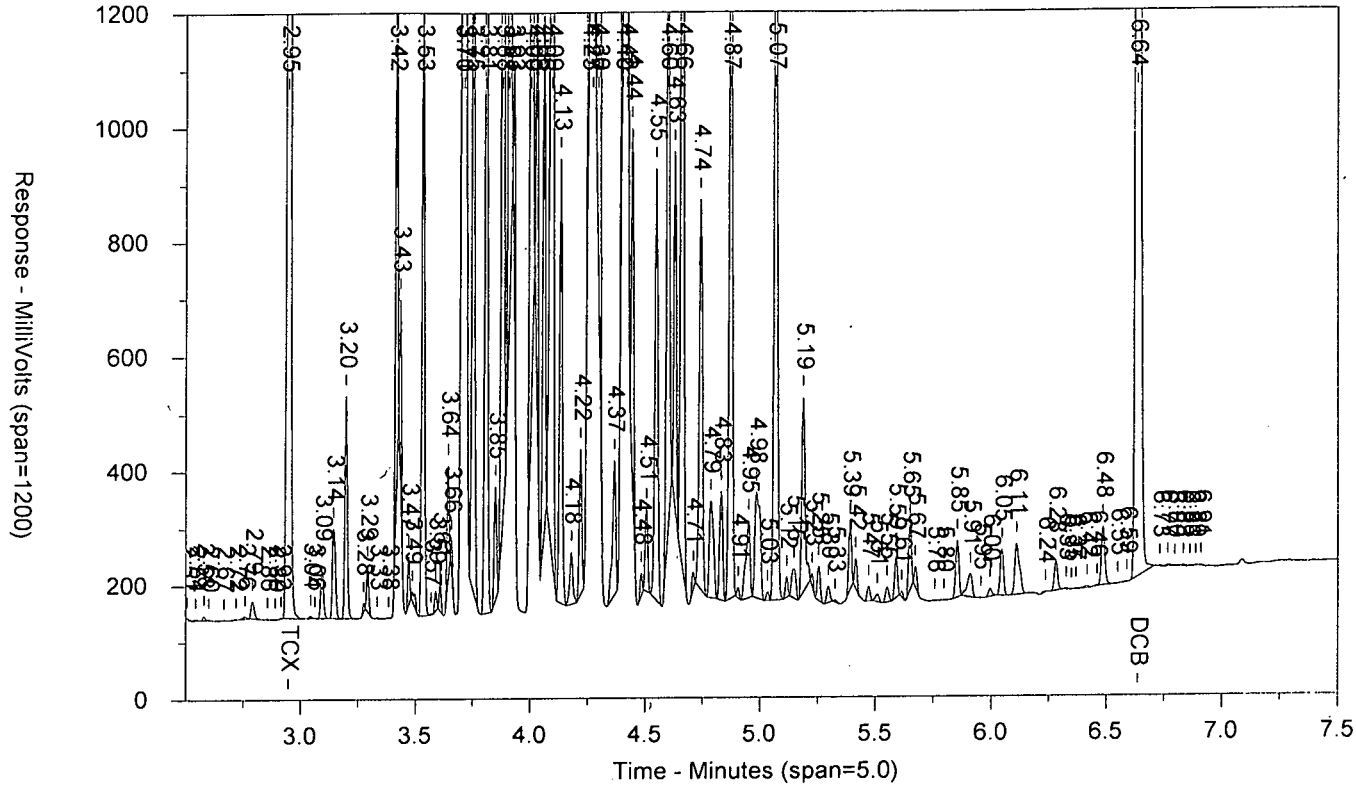
Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.002		1222	619
2.058		19171	15037
2.162		3467	4988
2.244		2129	7133
2.304		7607	6392
2.417		2288	2299
2.503		4949	8419
2.538		3253	3334
2.554		63920	55770
2.621	TCX	16179610	10018440
2.665		33264	20628
2.794		131806	96815
2.84		184123	175277
2.907		542572	352411
2.957		40115	24525
2.996		1222	671
3.019		127200	83917
3.115		1979704	1751568
3.167		151031	91733
3.189		59949	34530
3.215		54970	30562
3.238		1635207	1107416
3.275		81956	50243
3.303		63447	33312
3.322		397109	365341
3.363		3547	1702
3.398		4464540	4870480
3.432		2066409	1695643
3.507		2805229	1732642
3.543		4805663	2910080
3.566		4356128	2445282
3.585		1316356	679174
3.671		5874348	3739116
3.694		1792538	955408
3.715		1861135	1089887
3.744		891400	453001
3.761		4492911	2715662
3.802		1555912	1089096
3.851		284829	238085
3.873		3609044	2147685
3.896		9243298	5782622
3.92		6735112	4312801
3.959		423286	245021
3.994		2399137	1651710
4.029		4650492	3454649
4.058		2584069	1455476
4.105		302726	219719
4.14		1406613	1064911
4.197		2601085	1916385
4.23		1495054	1034459
4.258		4340198	3033350
4.297		77879	74327
4.351		1573998	1478632
4.387		382969	275985

RT B	Compound B	Height B	Area B
4.419		2687571	1951677
4.443		66346	37021
4.486		291940	191021
4.512		203562	141258
4.586		392038	393856
4.638		2864086	2167755
4.679		121715	129609
4.717		643496	561182
4.749		41603	20076
4.763		35879	18581
4.788		47597	33354
4.846		4621	3854
4.862		9000	5591
4.887		14415	8841
4.904		24432	16054
4.938		107379	77970
4.962		222603	170011
5.012		59685	60513
5.048		24723	19110
5.081		49820	41107
5.109		90727	62467
5.131		216327	176126
5.204		115629	102730
5.323		5911	3782
5.346		101413	83375
5.391		162945	173776
5.462		32988	28888
5.502		2487	2906
5.546		165218	141844
5.592		2184	1927
5.614		163471	144001
5.663		66666	60477
5.77		101572	89216
5.802		6392	4513
5.921		3980	3387
5.97		213080	184558
6		5538	3462
6.073		737	948
6.129	DCB	18801180	16651240
6.274		2229	1435
6.35		2459	8094
6.536		2464	2241
6.585		18307	15933
6.672		1970	4204
6.76		4426	10909
6.917		964	1604

AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.016.RAW



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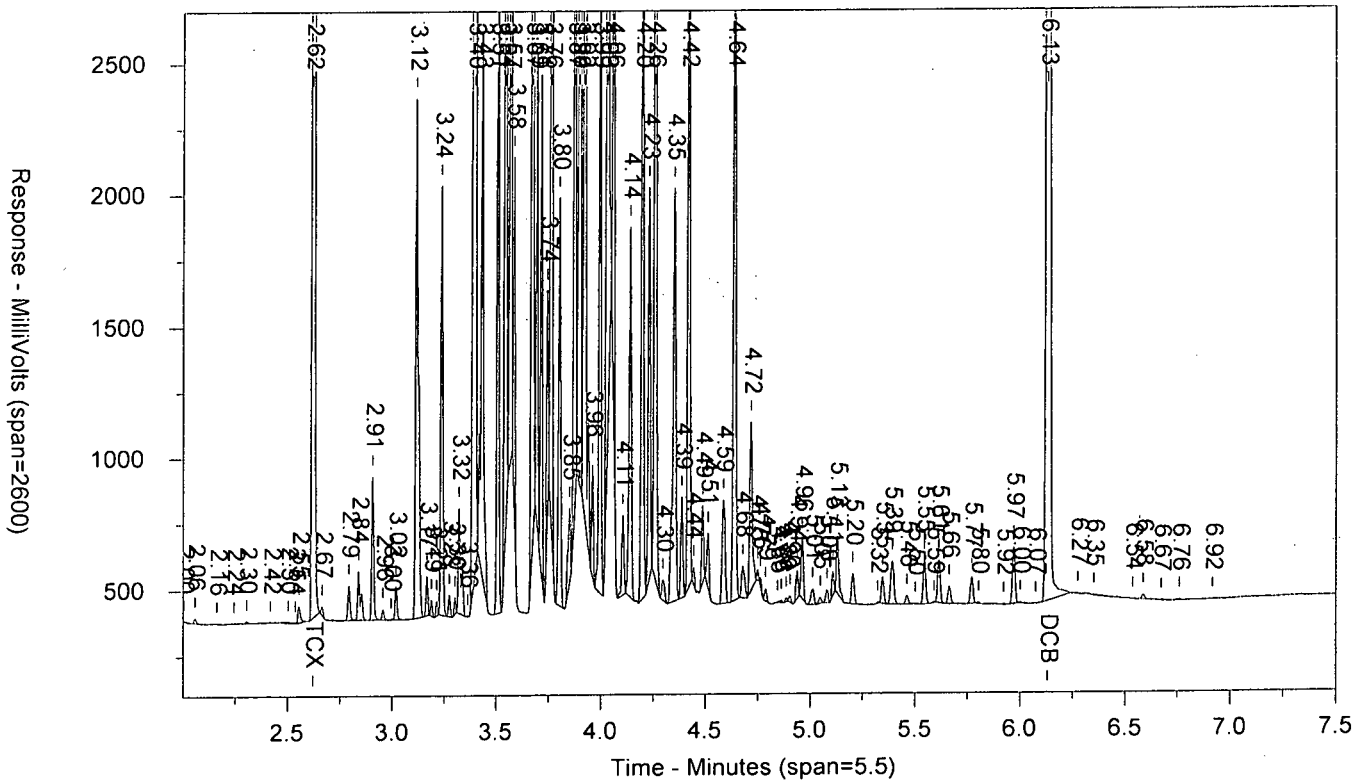


LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

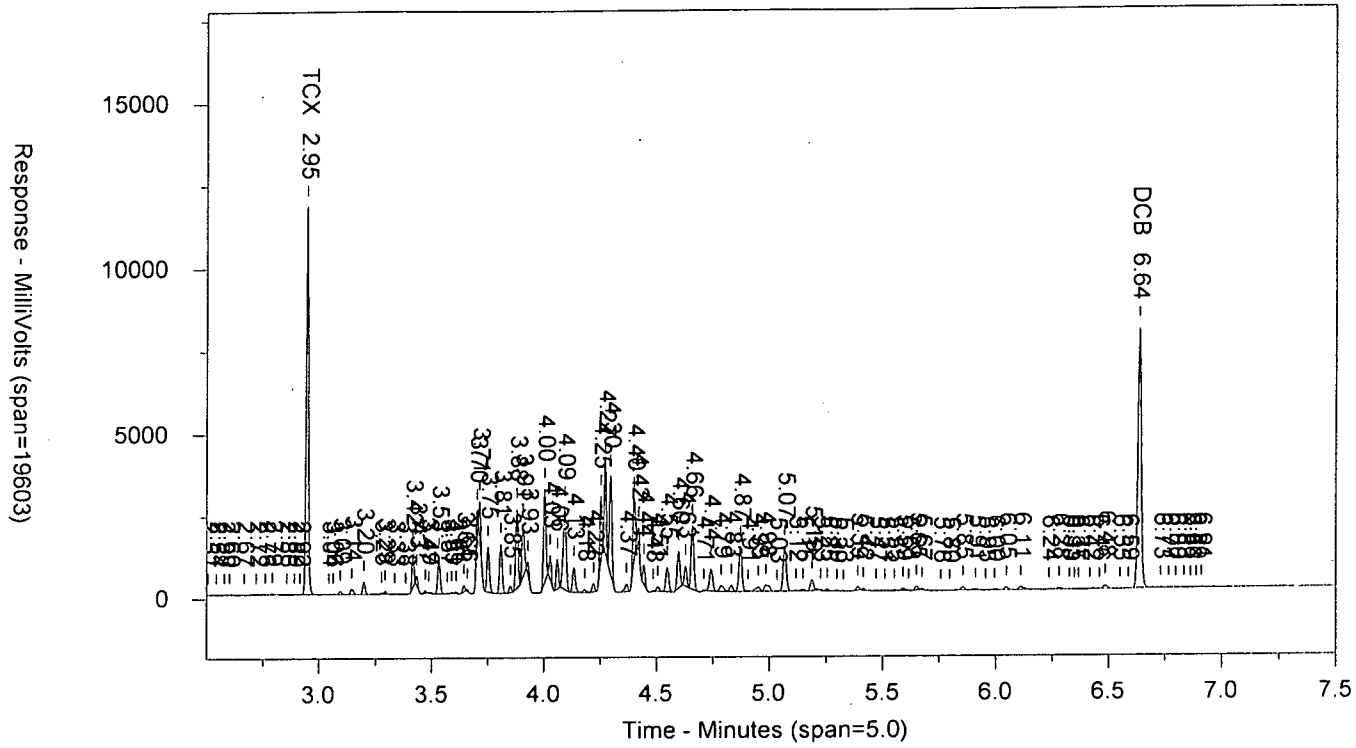
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	11770730	84.213	TCX	2.621	16179610	84.965	TCX
6.635	7882568	79.076	DCB	6.129	18801180	79.757	DCB

Files:
Area File: 25pcbs17116001.016.RAW
Area File: 25pcbs17116001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:39:42 PM
File Reported On: 4/26/2017 at 4:39:51 PM

AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.016.RAW



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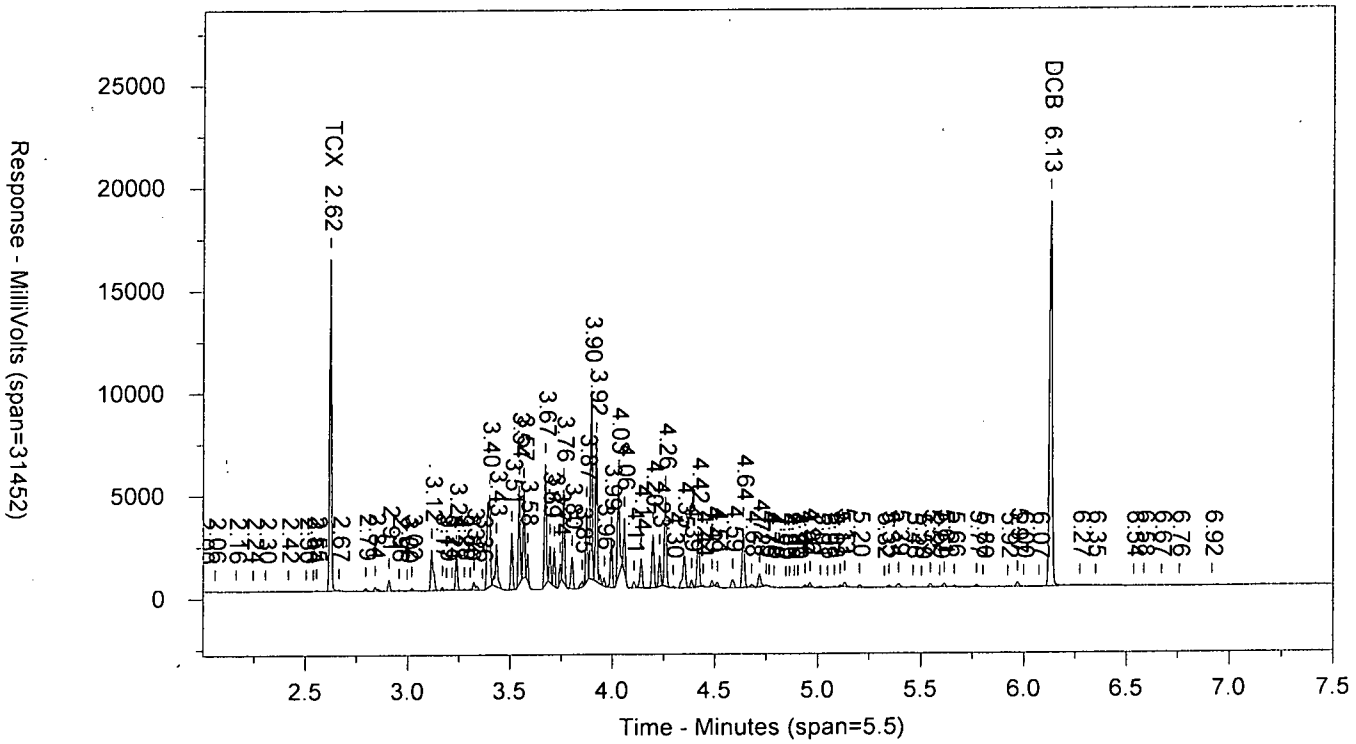


LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		807	898
2.045		12679	13073
2.076		777	306
2.092		2173	2255
2.17		1219	1434
2.239		2809	2699
2.339		34098	25174
2.505		7961	8500
2.542		1126	888
2.6		1793	1350
2.761		2967	4920
2.79		20369	19077
2.891		296	236
2.914		5191	4010
2.945	TCX	565847	400110
3.043		874	955
3.063		612	351
3.092		1033	790
3.143		8743	6495
3.198		2820	2720
3.285		6109	7809
3.416		3866	2555
3.433		1342	771
3.488		1536	1383
3.53		4884	5125
3.558		861	807
3.588		2170	1193
3.608		2089	1227
3.633		5147	5454
3.696		23150	25147
3.749		10103	7811
3.778		528	278
3.806		5824	4976
3.848		685	242
3.877		127177	100009
3.904		31787	28653
3.966		4271	4328
4.001		81092	63266
4.026		4203	2282
4.057		8373	6280
4.091		33708	30840
4.131		6478	4969
4.194		14094	10621
4.217		4806	2821
4.252		157116	116313
4.27		54730	29948
4.297		61563	53446
4.366		57969	46913
4.408		264920	308274
4.442		114338	93353
4.482		3709	2355
4.505		18856	14934
4.546		111597	98864
4.597		188601	166744

RT A	Compound A	Height A	Area A
4.627		45984	31083
4.658		375994	344170
4.708		16202	12264
4.722		3666	1418
4.741		52191	38432
4.784		126332	134126
4.829		26024	23438
4.87		270183	262772
4.901		4475	2931
4.93		29928	36843
4.982		159029	248035
5.03		3045	2494
5.067		197988	212186
5.115		22589	17806
5.139		19766	29710
5.185		270092	247167
5.208		15966	7151
5.224		7944	4986
5.254		9758	7943
5.296		12051	14368
5.342		472	141
5.39		89899	77573
5.414		20700	14140
5.447		862	500
5.47		11051	9662
5.508		9848	9243
5.55		3353	3391
5.587		61852	54900
5.613		7193	4997
5.649		46218	42245
5.698		2854	3998
5.782		782	1030
5.818		393	98
5.852		41293	38475
5.883		4953	3645
5.91		922	833
5.979		185	842
6.006		3979	5264
6.045		4467	3710
6.083		1478	1159
6.11		2733	3742
6.243		692	1388
6.299		4078	9736
6.366		1037	1508
6.413		456	850
6.483		5399	6299
6.509		591	201
6.565		2303	2765
6.634	DCB	438832	504448
6.713		628	165
6.724		922	346
6.757		1976	2284
6.789		784	532
6.834		2074	4010
6.883		831	521
6.911		2374	3640
6.962		553	543
6.994		744	322

LANCASTER LABORATORIES

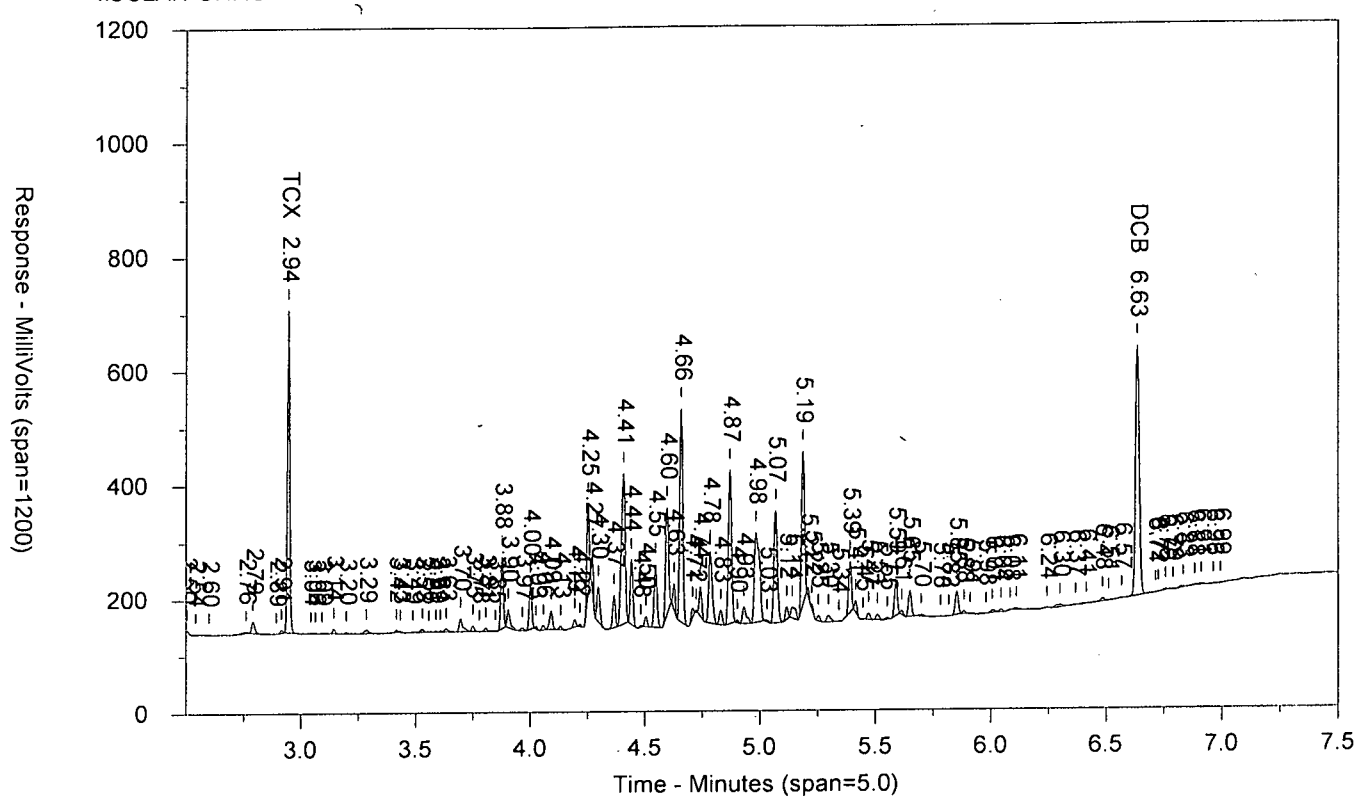
Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.164		4467	8144
2.24		4042	15055
2.276		2012	2441
2.416		2102	2759
2.473		1421	1044
2.554		39128	36215
2.621	TCX	707576	453979
2.712		2073	2878
2.796		1298	931
2.839		11770	6525
2.859		2526	1857
2.908		3735	3061
2.959		2285	3326
3.066		1274	1433
3.116		10478	10887
3.168		1785	4685
3.193		5334	4478
3.239		7438	4893
3.276		4781	3087
3.303		3324	1899
3.339		29790	20727
3.389		16177	18357
3.432		17050	22752
3.465		3117	2109
3.507		10168	7185
3.542		222877	142877
3.566		73648	48958
3.633		1542	1353
3.67		131231	84947
3.694		12887	7043
3.715		14157	9538
3.744		8727	4235
3.761		57053	35899
3.801		15518	11734
3.841		11885	10358
3.872		49953	30480
3.894		530283	362373
3.92		63777	36214
3.94		49684	28150
3.959		123089	81232
3.994		489484	340078
4.026		194229	119995
4.043		115691	63113
4.104		44608	36898
4.139		192735	150900
4.196		400736	289918
4.229		119289	90242
4.257		711782	532663
4.295		56214	55046
4.349		350594	305818
4.385		56490	44221
4.418		478180	348470
4.442		77003	50316
4.485		286254	219309

RT B	Compound B	Height B	Area B
4.51		17215	10581
4.584		269569	276475
4.637		340364	282926
4.677		98675	84773
4.716		559541	556643
4.763		44783	28572
4.787		18450	13020
4.844		7259	8234
4.904		31201	28083
4.937		30633	21536
4.961		179924	148169
5.012		24878	21062
5.047		21194	16862
5.077		13194	10842
5.109		97055	68003
5.131		67027	55782
5.205		8101	10431
5.347		4092	3984
5.387		77378	80190
5.544		14288	16372
5.593		3468	2359
5.612		8642	7978
5.77		5234	5693
5.87		2394	5374
5.969		11622	12521
6.032		913	777
6.091		8447	7029
6.128	DCB	1046520	943133
6.198		1837	2700
6.3		3017	4794
6.451		2790	3724
6.583		1348	781
6.783		866	3124
6.976		994	916

AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.017.RAW



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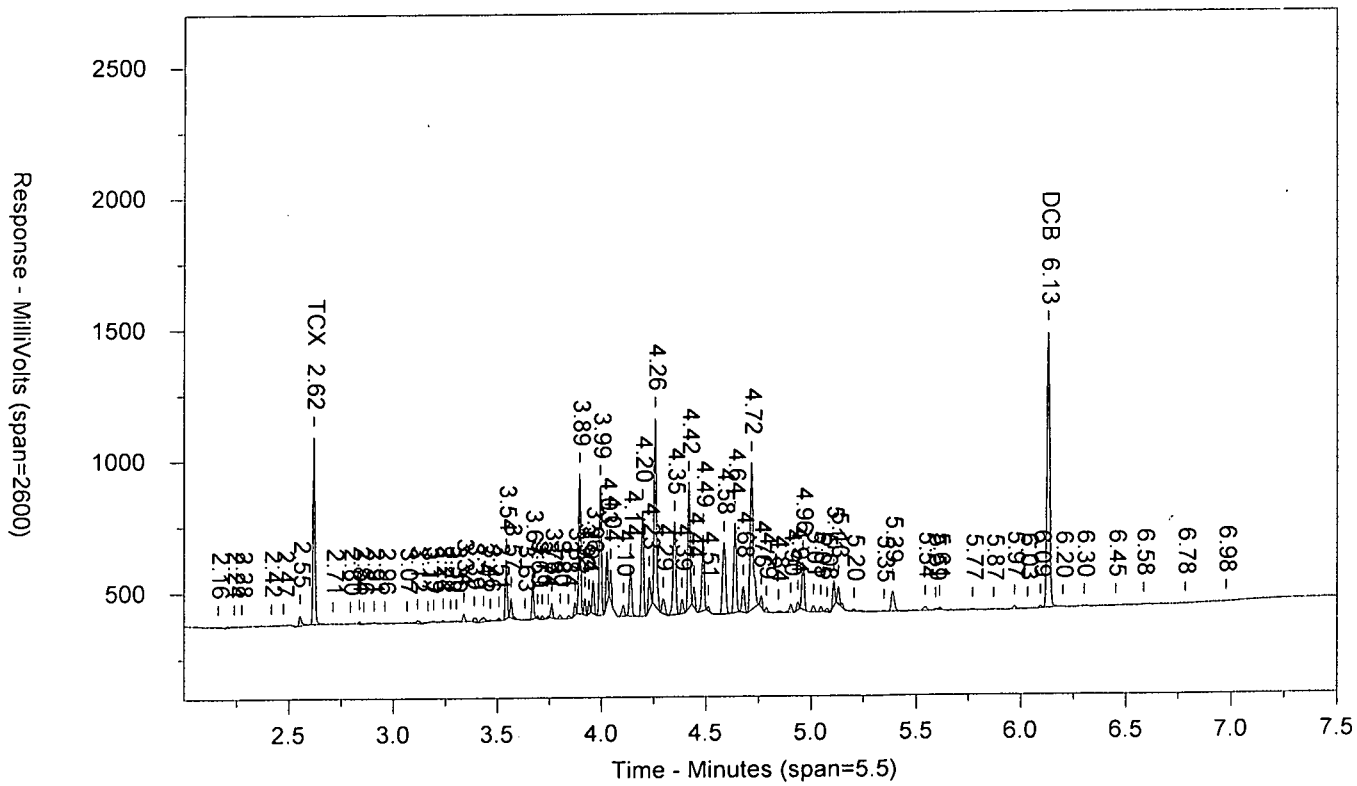

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:42:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	565847	4.048	TCX	2.621	707576	3.716	TCX
6.634	438832	4.402	DCB	6.128	1046520	4.439	DCB

Files:
Area File: 25pcbs17116001.017.RAW
Area File: 25pcbs17116001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 4:50:59 PM
File Reported On: 4/26/2017 at 4:51:09 PM

AR5411724A AAAR541AA ICAL 1711599999 10736 SW-846 8082

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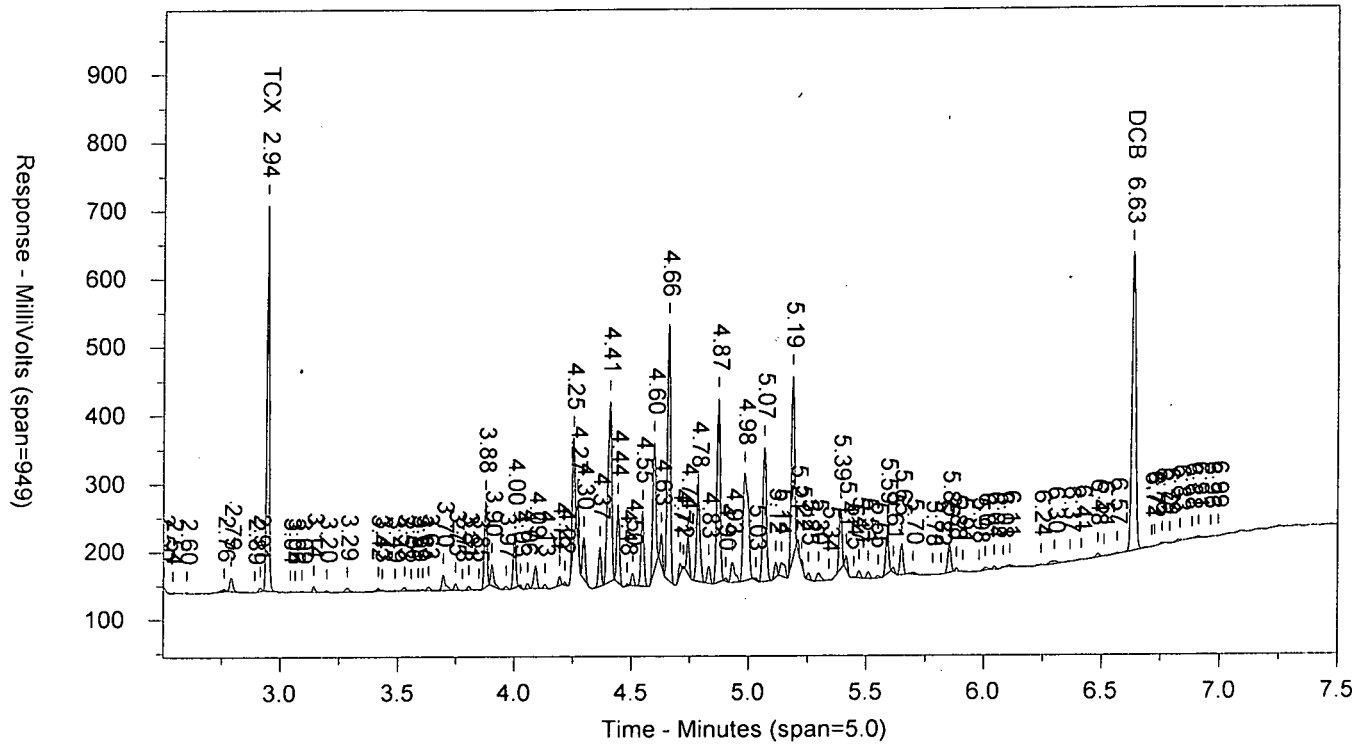

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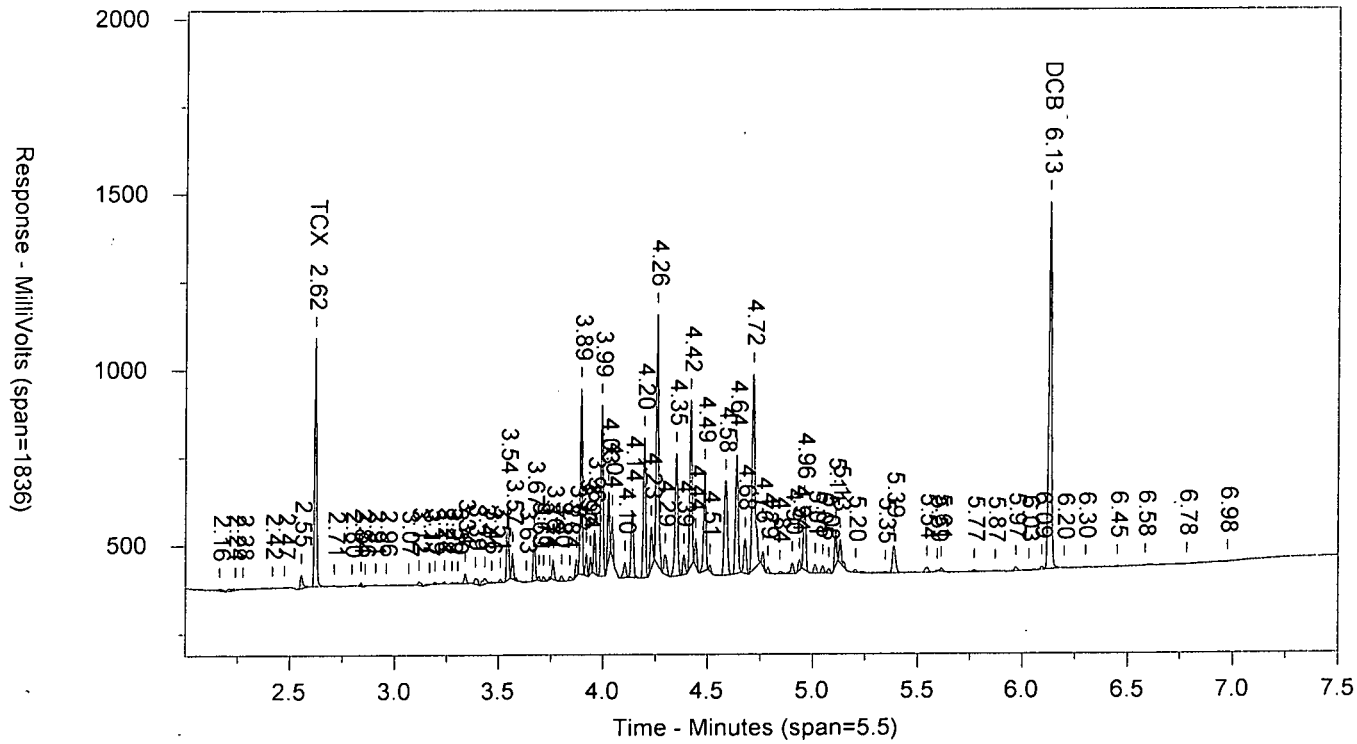

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		11181	11997
2.09		3116	4651
2.169		1017	933
2.24		5623	5412
2.291		908	1150
2.339		31372	23344
2.452		398	242
2.504		6955	7423
2.543		926	811
2.601		1340	1060
2.641		354	155
2.76		3218	5552
2.79		21542	21875
2.89		823	988
2.914		4223	3088
2.945	TCX	1160538	814143
3.01		879	639
3.045		896	714
3.064		1268	962
3.095		1880	2180
3.143		17252	12694
3.197		5116	3942
3.232		560	557
3.286		5545	9113
3.376		306	162
3.4		678	501
3.416		7448	4529
3.433		2098	1193
3.487		2543	2770
3.531		9059	8134
3.56		843	503
3.589		4159	2596
3.608		3796	2261
3.635		4262	4480
3.698		25958	33491
3.75		18298	13812
3.807		11498	9838
3.848		1713	1056
3.878		239008	186156
3.905		63394	56422
3.966		3550	3392
4.002		154553	122547
4.026		7506	4527
4.058		15740	11328
4.092		65232	60930
4.132		12798	10842
4.195		11472	9241
4.217		10754	7128
4.254		311719	219769
4.271		100555	60049
4.298		111979	95833
4.366		106580	90423
4.408		501385	580532
4.442		205410	175585

RT A	Compound A	Height A	Area A
4.484		6803	4583
4.505		36193	28908
4.547		202886	187646
4.597		361456	320662
4.628		87945	60848
4.658		703560	647111
4.709		35014	24839
4.723		7450	2710
4.742		95446	75294
4.784		236071	251750
4.83		52093	46726
4.87		514933	502936
4.903		9664	6044
4.931		62280	73604
4.984		295264	468392
5.033		5744	4207
5.067		379350	411207
5.116		46987	36623
5.14		16751	10674
5.151		13335	8538
5.187		517250	470034
5.209		25597	11293
5.226		19553	9883
5.254		19045	15134
5.297		22375	28230
5.391		162478	148338
5.415		42859	28908
5.445		1576	815
5.471		22740	20357
5.509		19480	18439
5.55		6164	5371
5.588		120853	107975
5.614		15443	9996
5.649		90695	98571
5.755		1004	1332
5.853		80339	76320
5.883		10225	8156
5.964		492	636
6.009		3460	4685
6.045		9049	7886
6.108		9909	18254
6.198		1047	1816
6.244		2082	3718
6.284		5220	10909
6.37		961	1511
6.411		1306	1699
6.484		10205	13176
6.571		2098	2755
6.634	DCB	867749	946628
6.731		609	817
6.782		1555	3498
6.831		2498	3401
6.884		514	932
6.911		2197	3945
6.967		447	129

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		2373	3002
2.161		3361	6215
2.239		3514	12507
2.301		1461	3996
2.417		1805	1791
2.501		11338	24025
2.526		3770	2537
2.554		42284	40381
2.621	TCX	1506094	943283
2.711		1632	1787
2.795		1983	1653
2.839		22529	12481
2.887		1431	4156
2.908		6963	4976
2.957		4295	2744
2.999		1790	3144
3.116		16702	15900
3.167		1573	3376
3.194		7263	6609
3.239		12672	8654
3.276		7896	4642
3.303		8326	4915
3.323		1676	804
3.339		27338	16402
3.389		27337	30044
3.419		7937	3710
3.433		19645	14090
3.465		4975	3621
3.508		19510	13340
3.543		435199	269069
3.566		136884	90123
3.671		250756	165739
3.695		23462	12521
3.715		28115	18975
3.745		16207	7716
3.761		106827	66428
3.802		28982	22037
3.842		24162	21044
3.873		97509	58008
3.895		1042093	707625
3.92		118324	66258
3.94		96535	53907
3.96		203549	132169
3.995		940879	658332
4.027		363741	228052
4.044		209575	115544
4.105		79024	63374
4.14		371979	282299
4.197		772118	569818
4.231		221059	163841
4.258		1400221	1048565
4.296		106559	103055
4.35		663870	577124
4.387		105977	80933

RT B	Compound B	Height B	Area B
4.419		959628	682771
4.443		144541	93980
4.486		542513	420034
4.512		32393	19583
4.586		523740	521508
4.638		685802	551031
4.678		179031	152822
4.717		1130950	1064775
4.763		85275	54500
4.788		33771	23931
4.848		13005	15106
4.886		3806	1705
4.905		55304	42324
4.939		59587	41128
4.962		355299	285259
5.012		50311	41759
5.048		41322	33776
5.078		26651	21528
5.11		171673	127902
5.131		123080	106009
5.204		15448	13128
5.347		6486	4999
5.388		152392	151128
5.545		24018	22571
5.591		6593	4116
5.614		19195	13919
5.662		6390	4831
5.77		9575	8439
5.855		2289	7413
5.947		1266	631
5.969		21984	19307
6.092		1991	1849
6.129	DCB	1969397	1839893
6.314		2177	3077
6.459		1747	3167
6.507		1484	835
6.583		2121	1599
6.604		1720	1914
6.758		1202	1731

AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082

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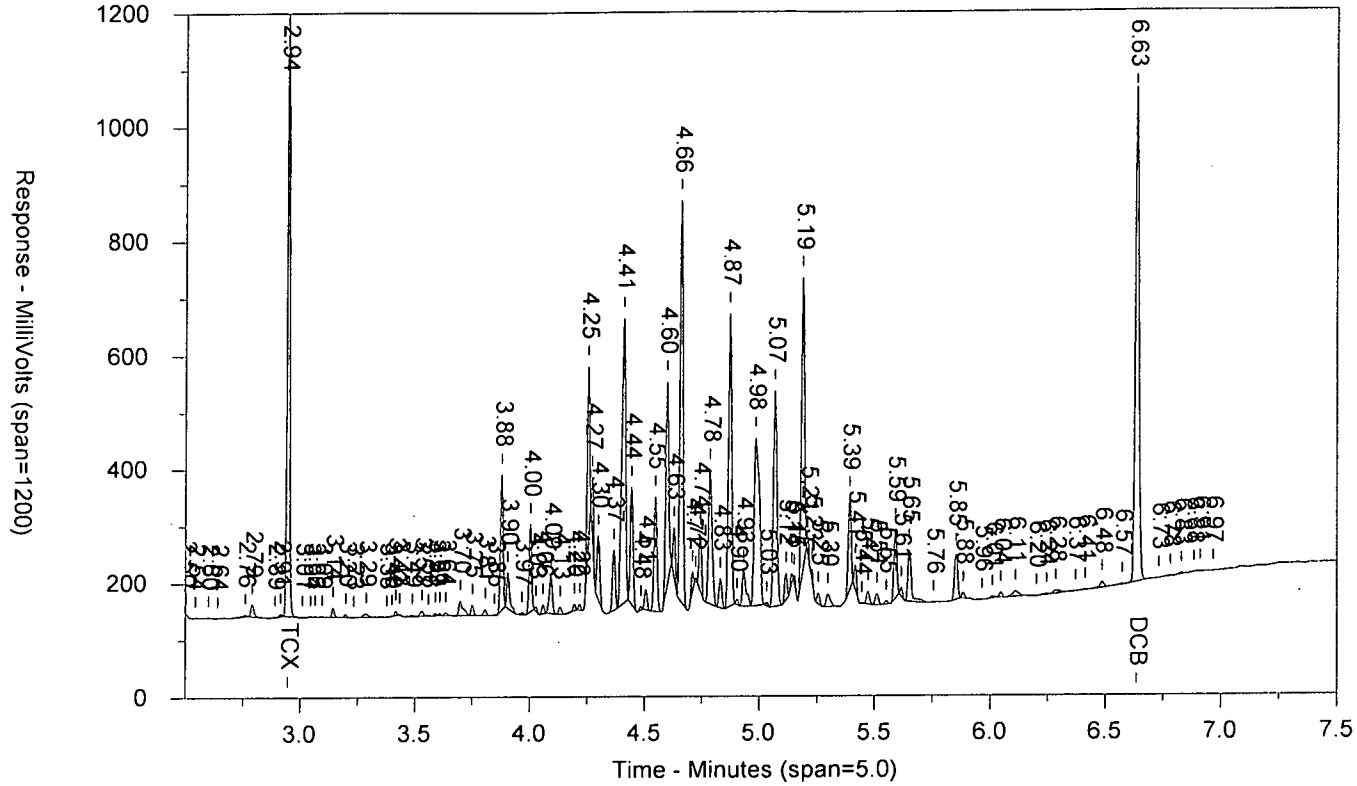

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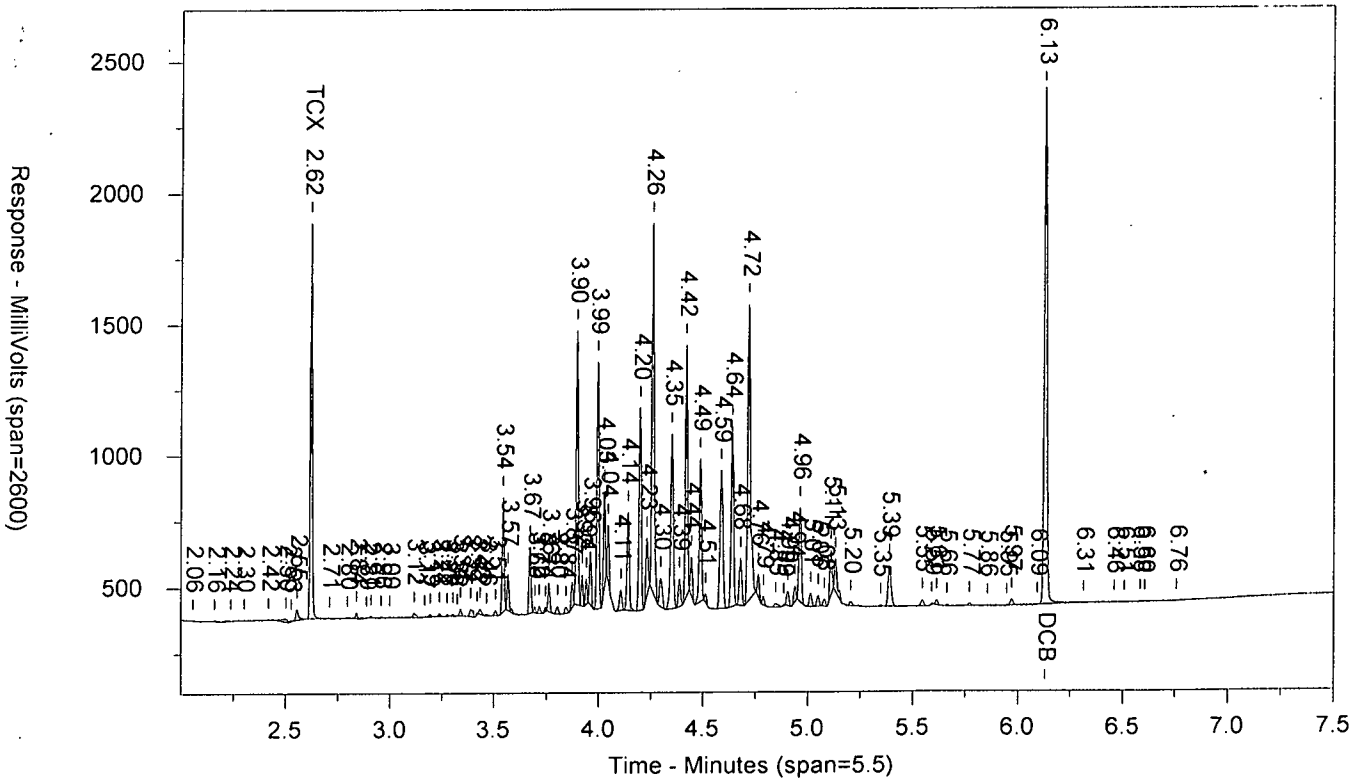

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:53:45 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	1160538	8.303	TCX	2.621	1506094	7.909	TCX
6.634	867749	8.705	DCB	6.129	1969397	8.354	DCB

Files:
Area File: 25pcbs17116001.018.RAW
Area File: 25pcbs17116001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:02:15 PM
File Reported On: 4/26/2017 at 5:02:25 PM

AR5421724A AAAR542AA ICAL 1711599999 10736 SW-846 8082

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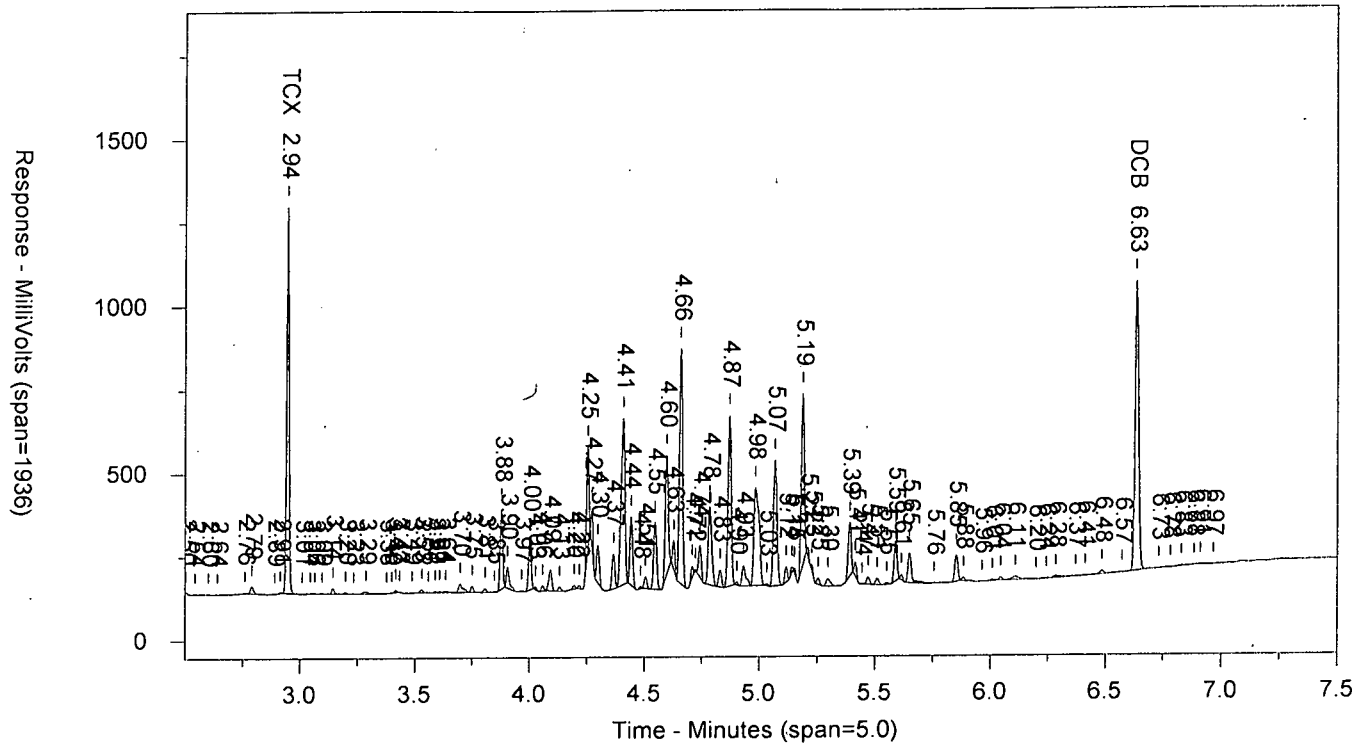

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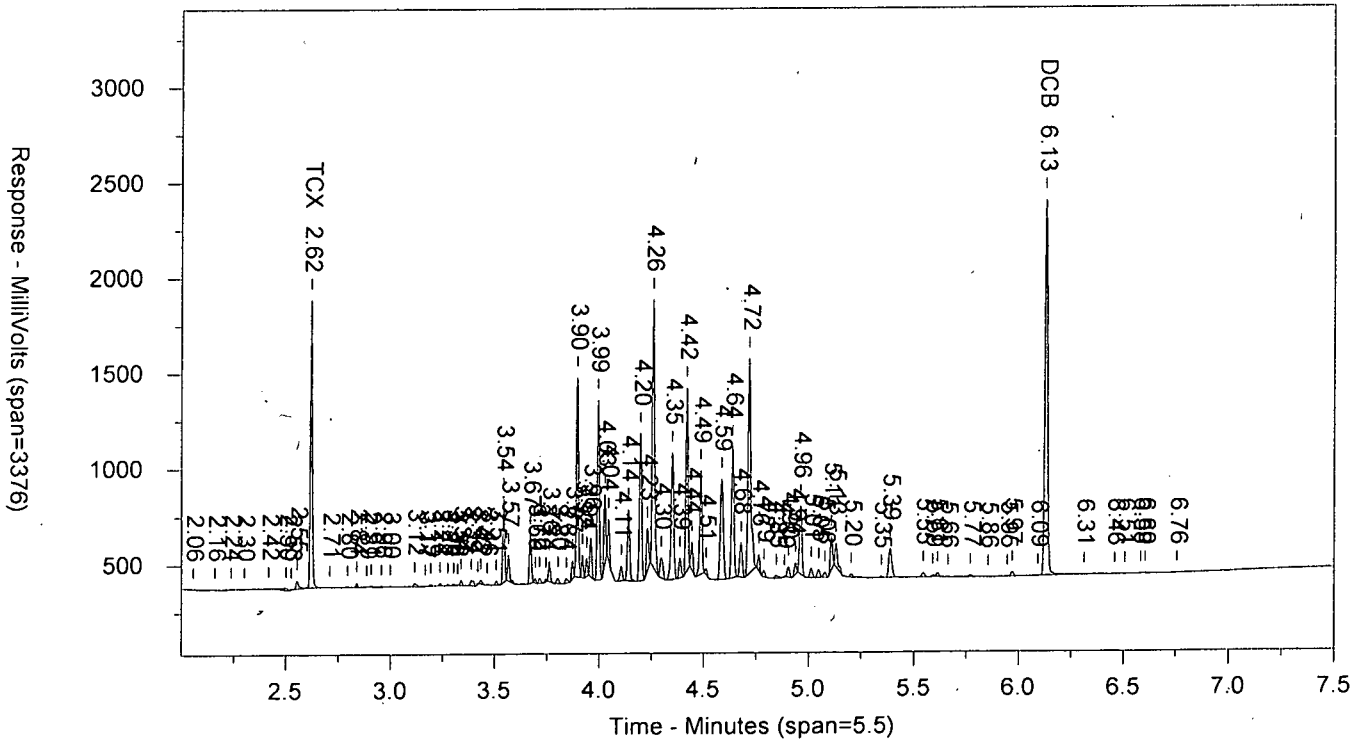

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		963	811
2.047		9302	9459
2.094		3684	5142
2.177		2312	3559
2.242		13548	11967
2.295		698	903
2.342		38246	30063
2.507		5527	6592
2.547		1286	1075
2.604		1459	1133
2.674		785	971
2.725		409	816
2.764		2700	3515
2.793		24766	23639
2.888		863	700
2.917		3608	2288
2.947	TCX	2795447	1990401
3.046		1495	1545
3.068		868	620
3.096		3856	3900
3.146		38776	28213
3.2		11853	8764
3.279		8097	11719
3.384		371	202
3.419		18466	11086
3.437		5680	3444
3.473		896	438
3.49		4630	3813
3.535		19758	17488
3.594		10912	6660
3.613		10726	6264
3.645		4996	4501
3.662		1729	805
3.705		41747	61181
3.756		41344	32242
3.812		24343	18989
3.853		2985	1880
3.882		538605	413631
3.91		142281	128204
3.972		1721	1250
4.007		343870	271626
4.031		16978	9962
4.062		36013	25764
4.096		153289	141050
4.137		29860	24870
4.199		13707	13033
4.223		26252	19599
4.258		719156	506937
4.275		243538	126339
4.302		217681	194464
4.371		234865	201386
4.414		1126391	1319774
4.448		460343	385761
4.489		16622	10853

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RT A	Compound A	Height A	Area A
4.511		86524	68350
4.552		440812	415766
4.603		844623	735550
4.633		190368	131233
4.663		1632589	1496539
4.713		72947	55407
4.728		9623	3261
4.746		211135	164844
4.789		525496	558287
4.835		123216	110490
4.875		1205207	1161638
4.907		22938	14774
4.936		138486	173288
4.988		657157	991961
5.03		57975	49807
5.072		883277	960409
5.12		103644	83276
5.143		41251	27020
5.156		28707	18431
5.191		1297583	1332191
5.229		38481	25977
5.258		45756	37445
5.3		53499	64574
5.35		540	368
5.395		365549	328434
5.419		89628	65342
5.449		2891	1592
5.474		53098	48316
5.513		48746	44639
5.553		13467	11857
5.591		261198	243947
5.617		37995	25738
5.653		196964	183336
5.678		4298	3478
5.757		3111	4232
5.855		174764	170706
5.886		26364	23608
5.955		2039	2372
6.027		852	2619
6.049		21675	19815
6.112		25932	49796
6.249		2403	5280
6.284		11086	13125
6.374		1125	1098
6.414		1660	2048
6.489		25145	28557
6.578		978	1501
6.639	DCB	1996524	2153973
6.703		810	465
6.738		439	663
6.761		4377	7666
6.834		2403	3419
6.917		2941	6323
6.981		809	887

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		4683	3142
2.162		2577	3999
2.245		2803	10205
2.415		2478	2775
2.473		1357	810
2.501		2727	3861
2.554		48108	40047
2.621	TCX	3865338	2369031
2.712		1879	2694
2.793		5216	5038
2.84		51415	31302
2.908		17000	11239
2.957		10066	6837
2.996		1280	924
3.019		2353	2573
3.116		36558	34917
3.169		2612	1534
3.191		9759	6823
3.24		30132	20887
3.277		18804	11294
3.304		19655	10928
3.325		6051	2998
3.341		27382	16304
3.39		55506	60395
3.421		16675	7737
3.435		46714	32976
3.51		42196	27971
3.545		968882	608796
3.569		298230	194033
3.674		585269	384721
3.697		50115	26849
3.719		67938	45288
3.748		35464	17714
3.765		242758	149811
3.805		66349	50127
3.845		52016	45038
3.876		210237	126108
3.898		2630759	1705244
3.923		254355	143262
3.943		221598	123223
3.963		444519	280213
3.998		2280277	1563546
4.03		851360	525536
4.047		508029	268168
4.108		171152	131114
4.143		858357	645802
4.2—		1936379	1386784
4.234		524383	380686
4.261—		3606498	2587074
4.299		244626	231478
4.353—		1606644	1349108
4.39		235285	181353
4.423—		2319028	1645597
4.446		317315	208097

RT B	Compound B	Height B	Area B
4.489		1330287	989780
4.514		67714	40254
4.589		1161339	1152080
4.618		87230	50879
4.641		1674538	1272508
4.681		412683	345765
4.72		2710009	2589825
4.767		195659	123297
4.791		83101	57161
4.85		30722	34063
4.89		5983	3311
4.907		118639	95067
4.94		128659	88426
4.965		814085	653037
5.015		106914	91994
5.05		90866	73143
5.081		57941	48097
5.112		427128	297834
5.134		283984	239651
5.207		35216	33537
5.272		1958	1144
5.348		13008	10380
5.39		343520	352395
5.496		2945	3263
5.548		51842	51869
5.594		16504	11628
5.617		43689	32971
5.666		20789	17817
5.772		22439	19978
5.861		3399	4378
5.972		52267	45145
6.003		2622	2138
6.097		9259	8154
6.132	DCB	4580828	4289372
6.3		11612	15729
6.566		1142	553
6.589		5498	10428
6.819		1247	727
6.974		875	2114

AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082

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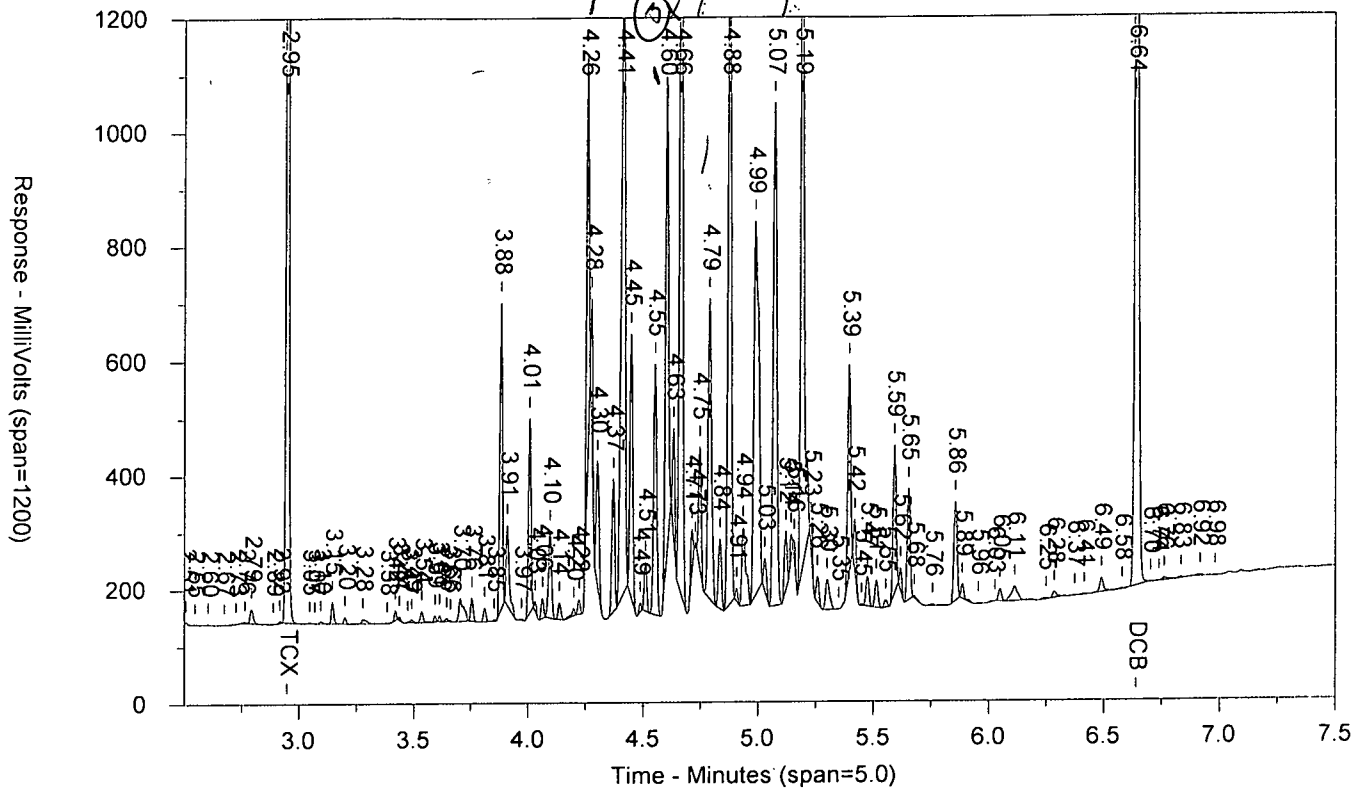

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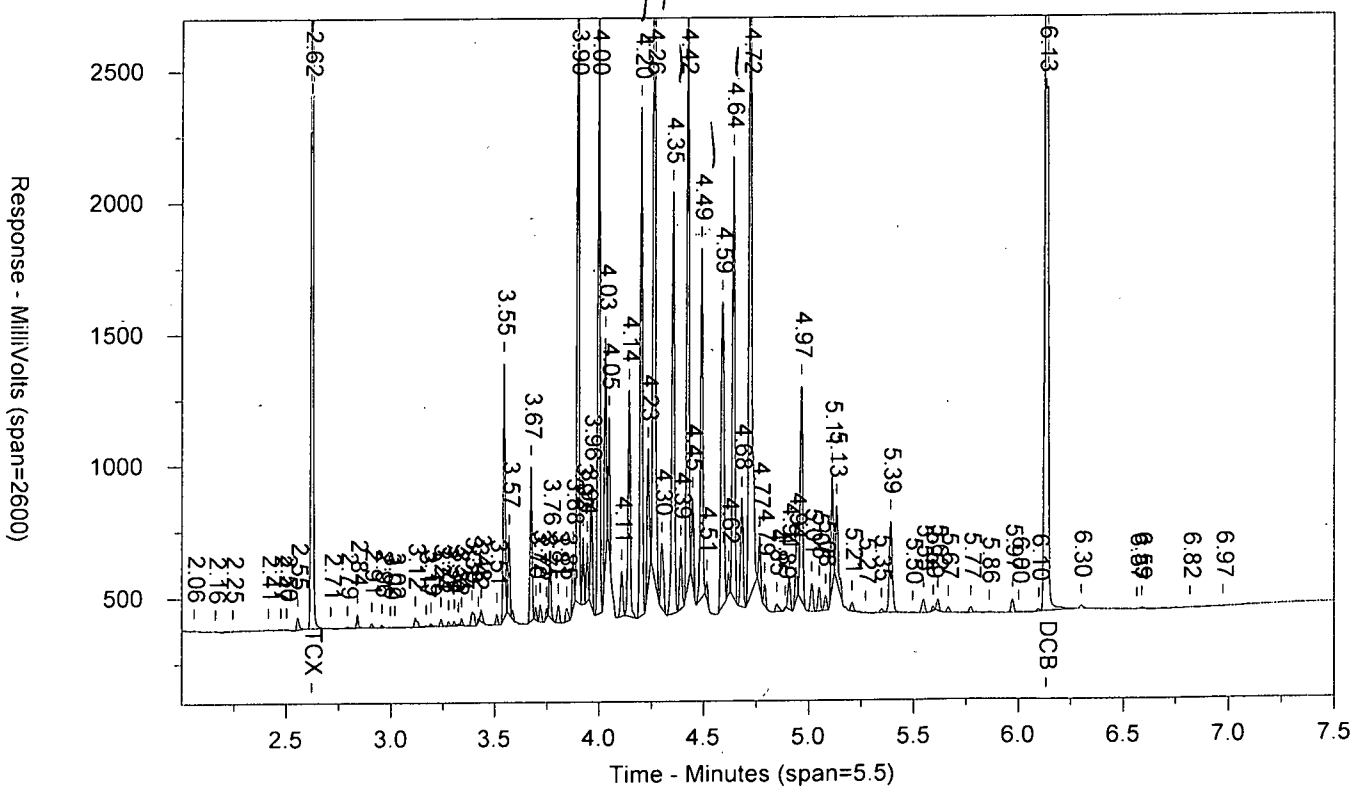

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:05:29 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2795447	20	TCX	2.621	3865338	20.298	TCX
6.639	1996524	20.029	DCB	6.132	4580828	19.432	DCB

Files:
Area File: 25pcbs17116001.019.RAW
Area File: 25pcbs17116001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:13:59 PM
File Reported On: 4/26/2017 at 5:14:09 PM

AR5431724A AAAR543AA ICAL 1711599999 10736 SW-846 8082

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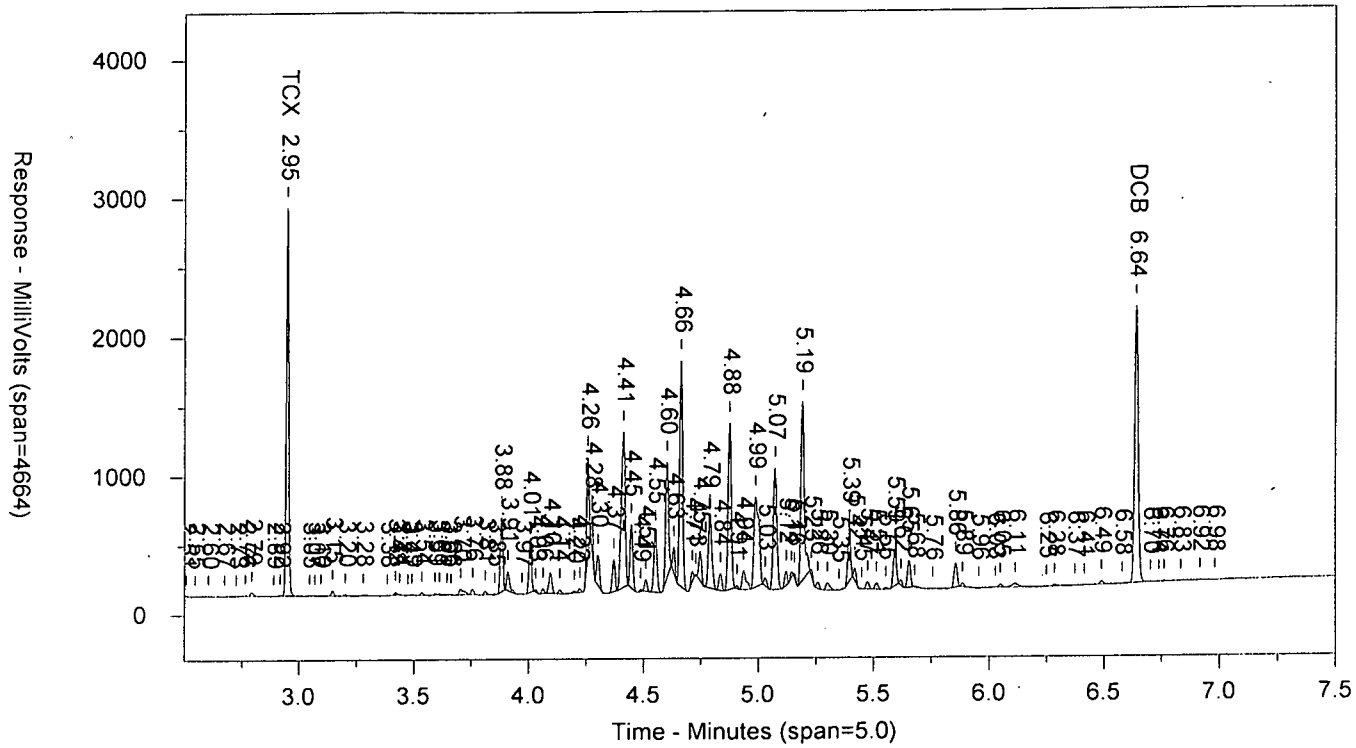

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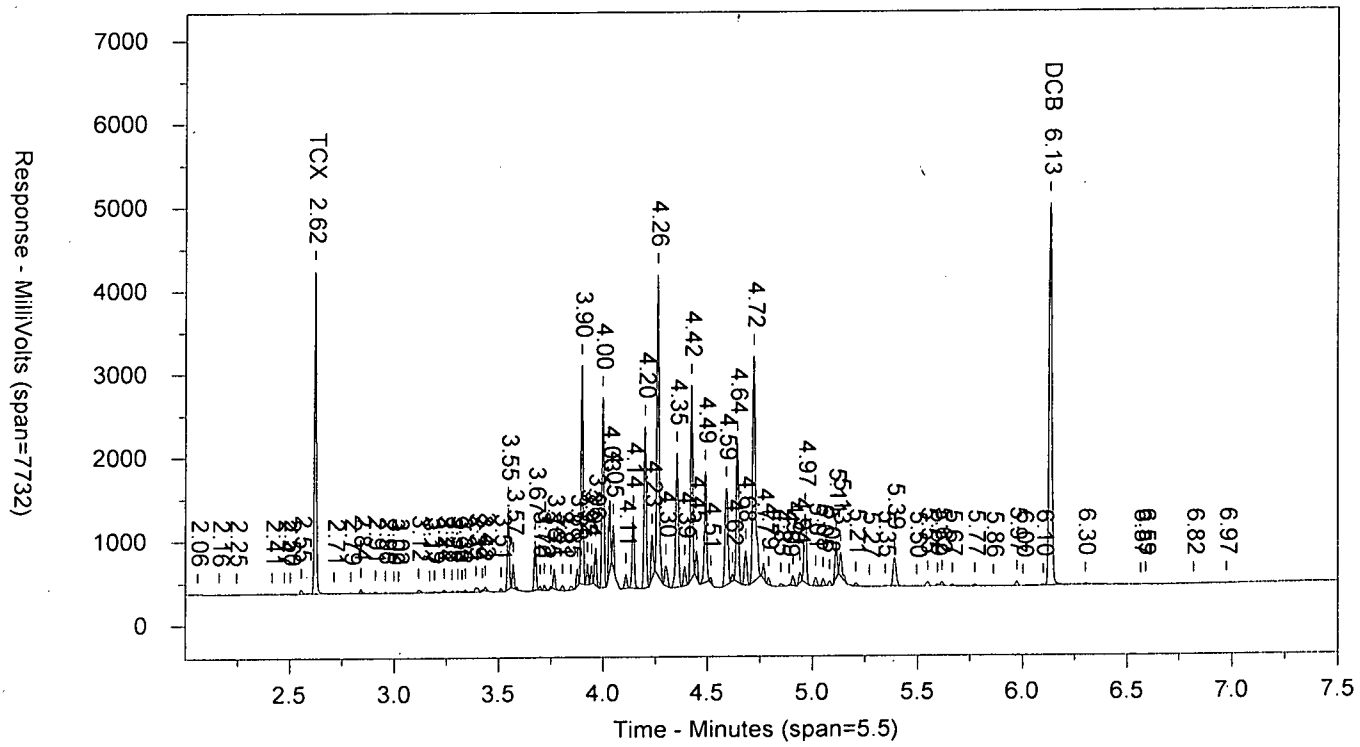


LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		946	910
2.044		7944	7968
2.096		3100	4397
2.174		2485	3562
2.239		24964	19892
2.34		35371	35249
2.444		798	815
2.504		4696	6032
2.543		1346	1101
2.577		545	346
2.601		2214	1583
2.669		660	711
2.718		688	591
2.759		2778	4044
2.791		18931	17814
2.89		494	418
2.915		2270	1497
2.945	TCX	5710501	3990805
3.043		2509	1967
3.063		1045	757
3.092		7082	6911
3.143		74135	53679
3.198		22415	16291
3.275		14772	17725
3.416		34601	21164
3.432		11055	6793
3.469		1404	743
3.486		9123	6846
3.531		35716	28817
3.588		20246	12318
3.608		18945	11954
3.641		8099	5357
3.657		2762	1322
3.699		35213	20518
3.712		13979	13290
3.749		79421	62944
3.806		46161	35934
3.848		6787	4464
3.877		988051	759708
3.904		247822	226912
4.001		649858	502719
4.026		37033	20156
4.057		65635	49000
4.091		279605	261732
4.131		57633	48499
4.178		4772	6172
4.193		9567	5193
4.216		56244	40849
4.252		1411910	985465
4.27		437250	248014
4.296		424305	352183
4.365		429262	366268
4.407		2293835	2519216
4.442		847009	711772

RT A	Compound A	Height A	Area A
4.482		31815	21036
4.504		153112	125555
4.546		830512	768918
4.596		1668932	1433108
4.627		351824	236191
4.657		3269799	2883894
4.707		132001	98719
4.722		24791	8630
4.741		381891	301648
4.783		963052	1023229
4.828		223269	201494
4.869		2410578	2231513
4.901		43870	27885
4.93		245912	314696
4.982		1263544	1976580
5.032		29927	20767
5.066		1738884	1863016
5.114		187327	149437
5.139		159110	234978
5.186		2571101	3085665
5.252		79231	65243
5.295		100167	123383
5.39		714781	612235
5.413		164791	116755
5.445		4888	2477
5.469		98453	90350
5.508		88944	85515
5.548		25507	22830
5.586		503946	450050
5.612		61997	42727
5.647		344382	331530
5.673		5709	6066
5.748		2195	2283
5.851		331604	309640
5.88		52532	39438
5.949		2015	2141
6.02		650	896
6.044		42236	40153
6.108		49453	87646
6.236		2845	5102
6.279		21402	21552
6.319		1064	835
6.367		1173	1473
6.411		2072	2406
6.455		694	662
6.484		46157	50492
6.562		647	435
6.633	DCB	3943110	4160819
6.695		1307	1109
6.735		763	732
6.768		2625	3671
6.83		2125	3729
6.891		332	1255
6.908		2241	2831
6.963		701	185
6.983		708	353

LANCASTER LABORATORIES

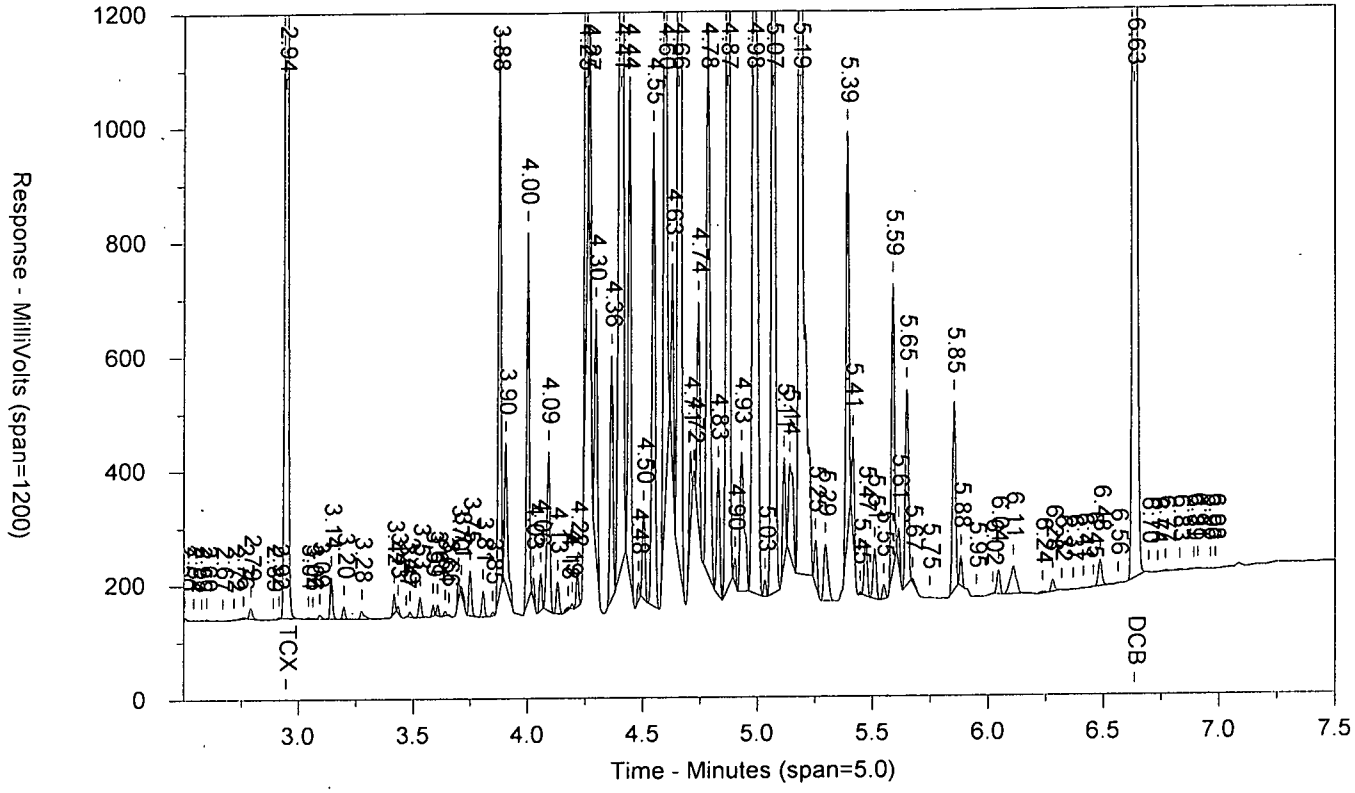
Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9648	8906
2.161		3869	5890
2.214		1686	2196
2.278		1262	1181
2.308		936	553
2.393		1466	859
2.417		2613	2454
2.498		2869	4959
2.54		1547	688
2.554		33774	27096
2.621	TCX	7723379	4769743
2.709		1759	2147
2.794		9992	8100
2.84		96968	61188
2.907		33027	21693
2.956		20394	12688
3.018		4409	4362
3.115		67124	67082
3.166		4284	2479
3.19		17141	11545
3.213		2827	1498
3.238		56840	39147
3.275		36658	22120
3.302		37599	20234
3.322		11865	5652
3.338		23214	13073
3.388		99593	104491
3.418		30314	13590
3.432		82073	59833
3.507		77614	52237
3.542		1883729	1145774
3.565		545029	311147
3.583		53426	24337
3.67		1133011	725707
3.693		88618	47567
3.714		120721	82751
3.743		67705	33304
3.76		449437	271435
3.801		118075	88930
3.841		90745	81326
3.871		396014	230331
3.894		5187131	3335942
3.919		476697	267360
3.939		402302	226894
3.958		791860	497893
3.993		4559108	3047252
4.025		1645232	1012064
4.042		961105	518877
4.104		319588	232333
4.139		1661403	1215255
4.195		3898232	2685964
4.228		986523	729496
4.256		7197296	5110851
4.295		433468	422555

RT B	Compound B	Height B	Area B
4.348		3175556	2589566
4.385		435687	334681
4.417		4670518	3304750
4.442		603967	394232
4.484		2529463	1908573
4.51		135128	78807
4.584		2451778	2351848
4.636		3635116	2743564
4.676		775003	653360
4.715		5530995	5108664
4.762		359464	228972
4.785		141394	96593
4.845		58744	66378
4.903		244039	224992
4.936		244445	165838
4.96		1583960	1262723
5.011		195819	165485
5.046		163277	132872
5.076		107670	91536
5.108		848319	603882
5.129		524877	451622
5.202		63493	57638
5.263		2301	1708
5.32		2016	1109
5.344		26231	22103
5.386		663618	660797
5.487		3968	4668
5.544		87934	84121
5.59		31043	22270
5.612		77582	59710
5.661		42192	36226
5.708		1315	930
5.768		42822	35381
5.804		2699	2442
5.863		3985	5535
5.918		2052	2102
5.968		98330	81886
5.998		4176	2784
6.021		1569	859
6.091		2124	1250
6.128	DCB	9280373	8317477
6.303		4406	6105
6.44		2201	4906
6.515		2058	2989
6.582		10089	14235
6.758		1242	908
6.793		1041	783
6.869		1061	1059
6.981		838	773

AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.020.RAW



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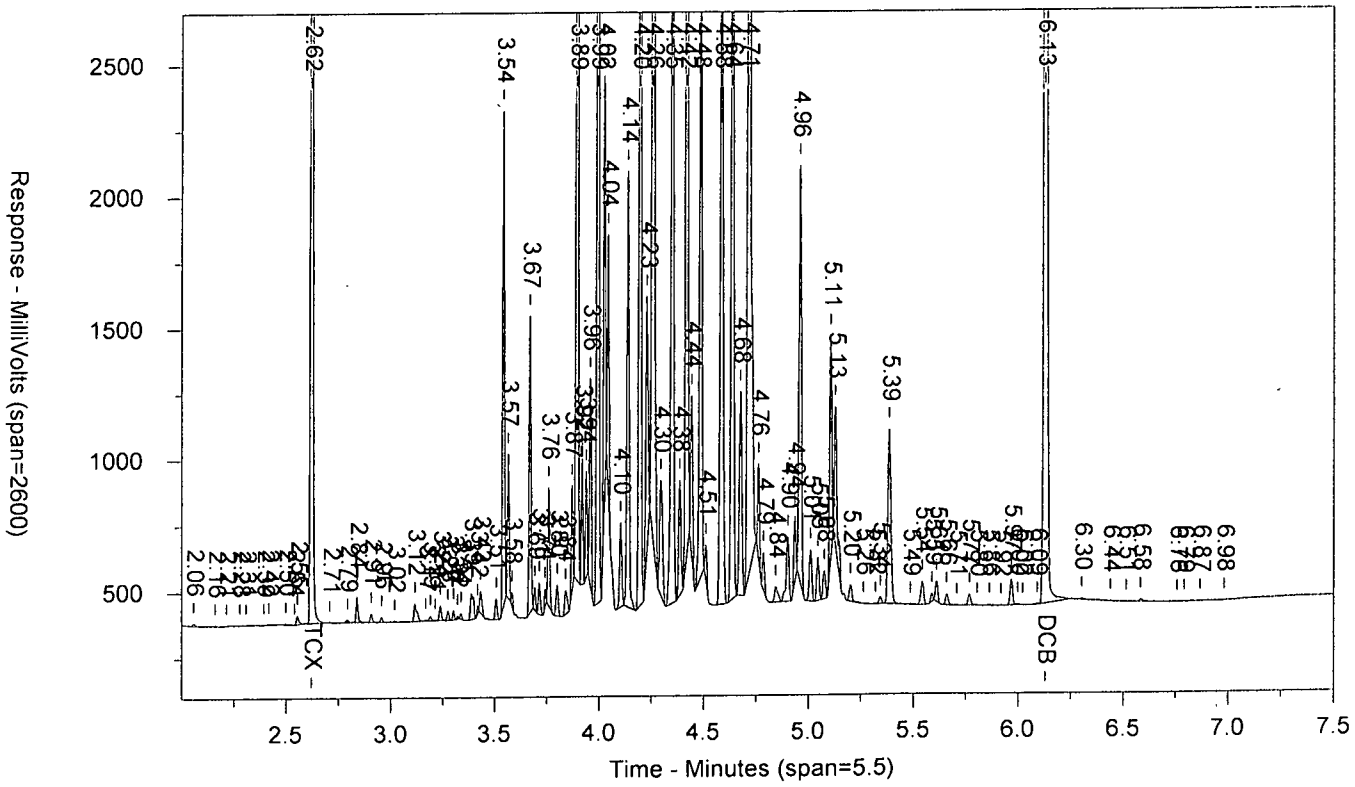

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5710501	40.855	TCX	2.621	7723379	40.558	TCX
6.633	3943110	39.556	DCB	6.128	9280373	39.369	DCB

Files:
Area File: 25pcbs17116001.020.RAW
Area File: 25pcbs17116001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:25:17 PM
File Reported On: 4/26/2017 at 5:25:28 PM

AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082

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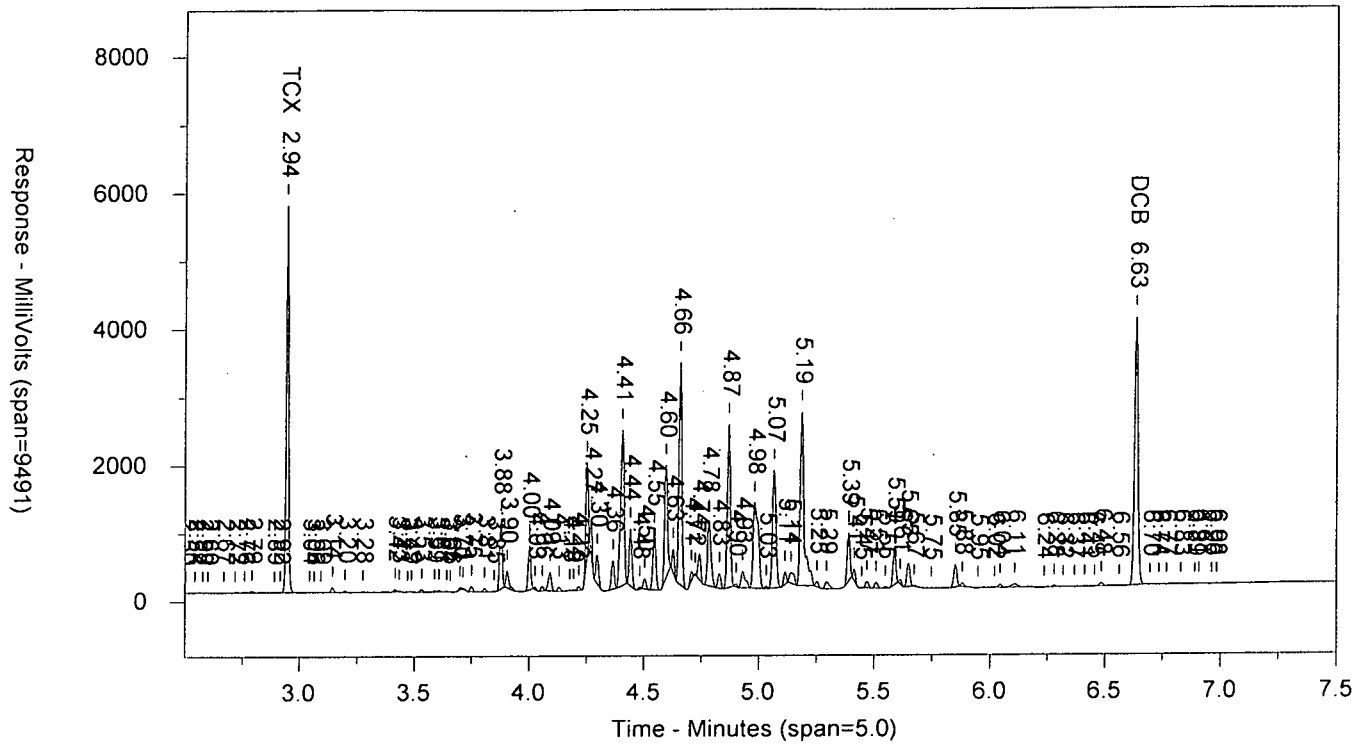

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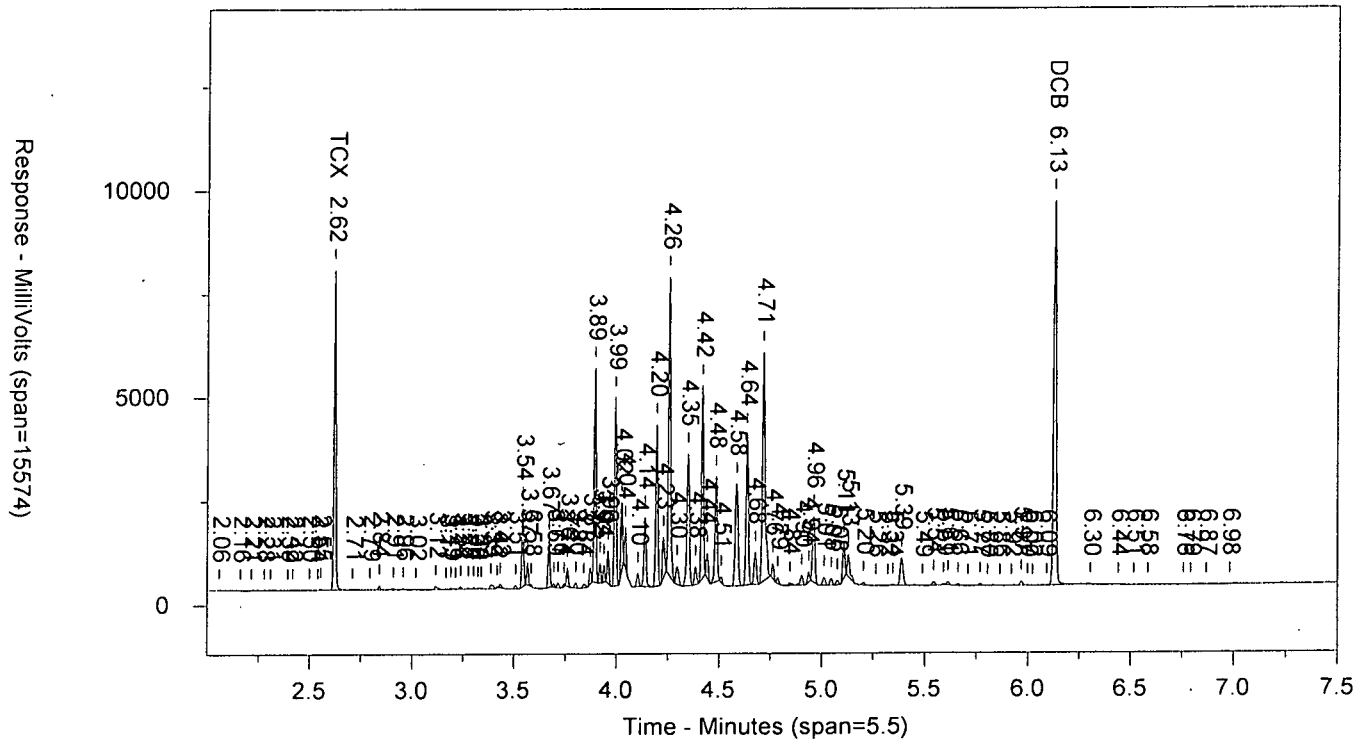

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		959	866
2.044		13085	12808
2.093		2269	3248
2.146		1623	1977
2.171		1378	1612
2.239		48093	37266
2.341		34254	40434
2.442		897	1018
2.504		7965	8732
2.547		1269	1027
2.578		856	485
2.6		1584	1039
2.64		496	309
2.666		764	702
2.759		3049	4576
2.791		15512	13913
2.915		4269	2904
2.945	TCX	11351310	7902222
3.043		4273	2744
3.063		1391	890
3.093		13196	12044
3.143		142717	102709
3.197		42328	31043
3.275		22005	13471
3.338		602	294
3.416		66800	40738
3.433		20951	12276
3.471		2867	1382
3.486		16534	12292
3.531		69558	54562
3.589		37446	22967
3.608		36992	22646
3.643		15527	10047
3.658		5224	2664
3.701		57602	32033
3.713		29022	25864
3.75		154958	119278
3.807		87073	68373
3.849		12865	8302
3.878		1923006	1438120
3.905		445186	417723
4.002		1208879	934480
4.027		60525	33116
4.058		123232	92241
4.091		519788	485380
4.132		110757	93999
4.179		13495	16024
4.195		6466	2961
4.218		108432	78033
4.254		2700546	1905274
4.271		957383	514085
4.297		780347	654422
4.367		825602	673406
4.409		4381222	4859338

RT A	Compound A	Height A	Area A
4.443		1605439	1339689
4.484		61744	40180
4.505		274423	225489
4.548		1634180	1440552
4.598		3298215	2816863
4.629		717271	467380
4.659		6021111	5556252
4.709		269893	191909
4.724		40773	14123
4.743		724118	575261
4.785		1957356	1942091
4.83		399774	368278
4.871		4552584	4334361
4.904		77269	49274
4.932		452906	563334
4.984		2451185	3749559
5.035		52997	38009
5.068		3642189	3637267
5.116		359390	279950
5.141		100487	79790
5.152		89788	46440
5.187		4660141	4076735
5.208		170942	87257
5.254		146614	119914
5.297		182660	227911
5.391		1318448	1141808
5.414		258839	190535
5.446		9655	4875
5.471		173158	160299
5.51		159297	155484
5.55		51132	44559
5.588		923339	854310
5.613		116725	79214
5.649		676732	735774
5.748		3321	4349
5.803		1302	1272
5.853		586541	558749
5.883		88579	83340
5.951		2859	2855
6.045		81216	96656
6.109		92015	165864
6.232		1869	3103
6.279		37491	41745
6.319		1512	1538
6.365		592	180
6.411		3078	3471
6.457		886	718
6.485		82695	88205
6.57		836	941
6.634	DCB	7859145	8088168
6.727		1693	778
6.767		3234	6172
6.827		3801	6127
6.87		533	176
6.886		1134	813
6.908		2641	3208
6.985		910	566

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		18069	15322
2.162		4975	8520
2.213		3018	4270
2.282		1252	1481
2.303		1668	1455
2.395		1109	1118
2.486		1180	1738
2.502		3560	6754
2.554		27583	27642
2.62	TCX	15448340	9489674
2.793		19567	14860
2.818		1496	731
2.839		177978	111400
2.906		60144	39418
2.956		37761	21607
2.996		919	571
3.019		8401	5068
3.08		1508	1270
3.115		120828	119995
3.167		9411	5250
3.189		31935	21271
3.214		5080	2909
3.239		102133	73061
3.275		66894	41467
3.302		67517	38494
3.322		25233	12298
3.338		30213	16399
3.388		175502	187396
3.418		51475	24440
3.432		149363	111515
3.507		141475	93966
3.542		3679912	2217566
3.566		1045315	663382
3.67		2119682	1341540
3.694		158279	85241
3.715		206561	143621
3.744		123077	61071
3.76		832546	509511
3.801		208249	161376
3.842		162760	146037
3.872		732816	438065
3.894		10134890	6525132
3.92		932027	517338
3.94		746823	413504
3.959		1521846	932319
3.994		8830456	5916243
4.026		3308222	2025967
4.044		1958102	1009677
4.105		582413	419554
4.139		3272794	2343252
4.196		7354041	5266429
4.23		2019316	1431115
4.257		13867230	10154360
4.296		817876	799466

RT B	Compound B	Height B	Area B
4.349		6135689	5062812
4.386		873776	646800
4.418		9646209	6620412
4.443		1149719	749805
4.485		4765321	3613107
4.511		240028	146019
4.586		4750742	4537846
4.638		6959701	5446889
4.678		1464036	1227648
4.717		10858040	10005240
4.763		688602	443187
4.787		256033	177689
4.847		103202	117812
4.887		16803	9775
4.905		429290	322123
4.938		455441	307543
4.961		3266389	2476609
5.012		354913	307739
5.047		299700	245283
5.077		190326	155082
5.109		1665732	1206309
5.131		1097249	899464
5.172		26241	14792
5.204		115599	104462
5.268		4590	4374
5.322		3640	2182
5.346		51288	41086
5.387		1226052	1264629
5.488		5113	5404
5.546		148846	137069
5.592		54110	39321
5.614		141172	110182
5.663		77102	65374
5.77		75373	63723
5.801		4583	3769
5.863		2098	2029
5.917		2937	2334
5.969		165708	144831
6		4931	2999
6.02		2141	1529
6.091		3388	2325
6.128	DCB	18378780	16045520
6.311		6811	6346
6.444		1637	1399
6.563		1304	590
6.585		17009	20282
6.757		2507	2100
6.847		1143	1216
6.868		1217	1320
6.907		952	1218

AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082

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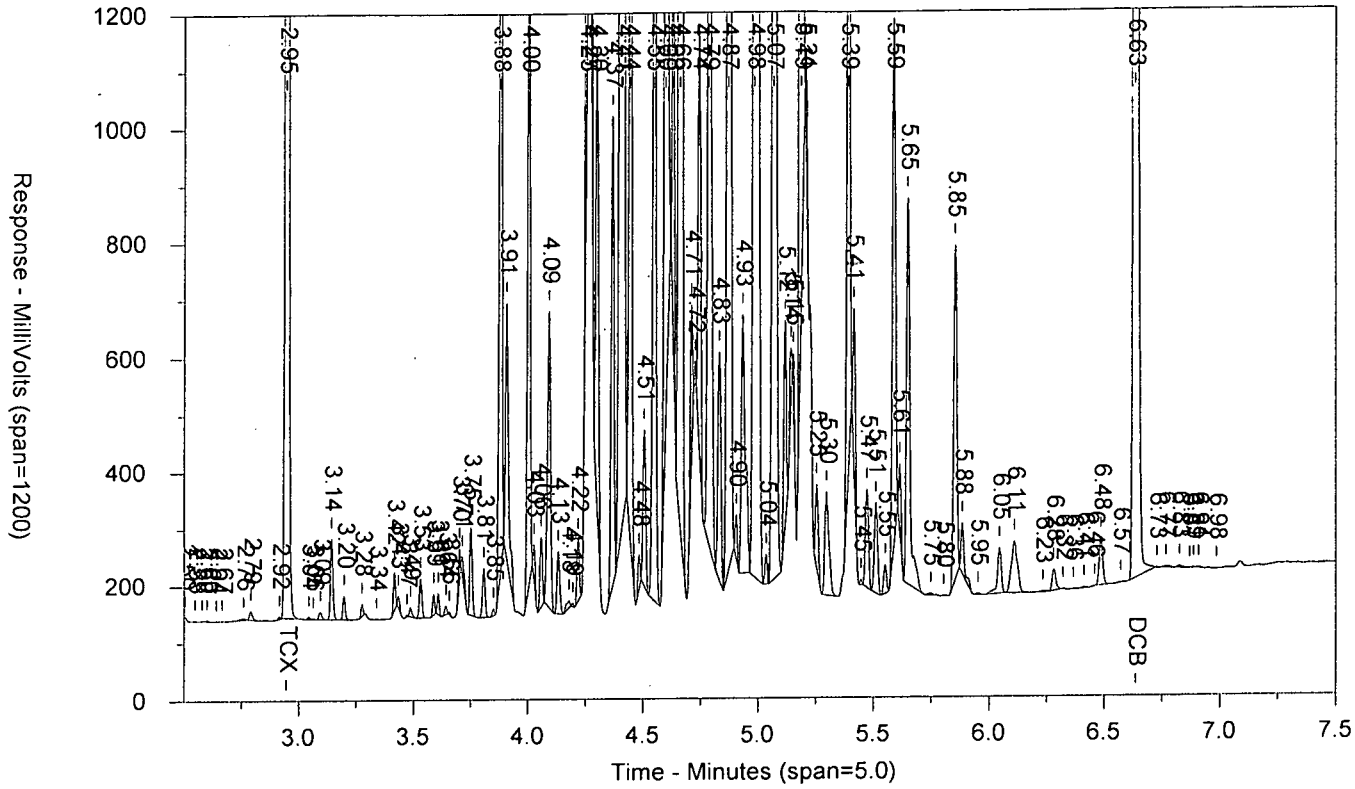

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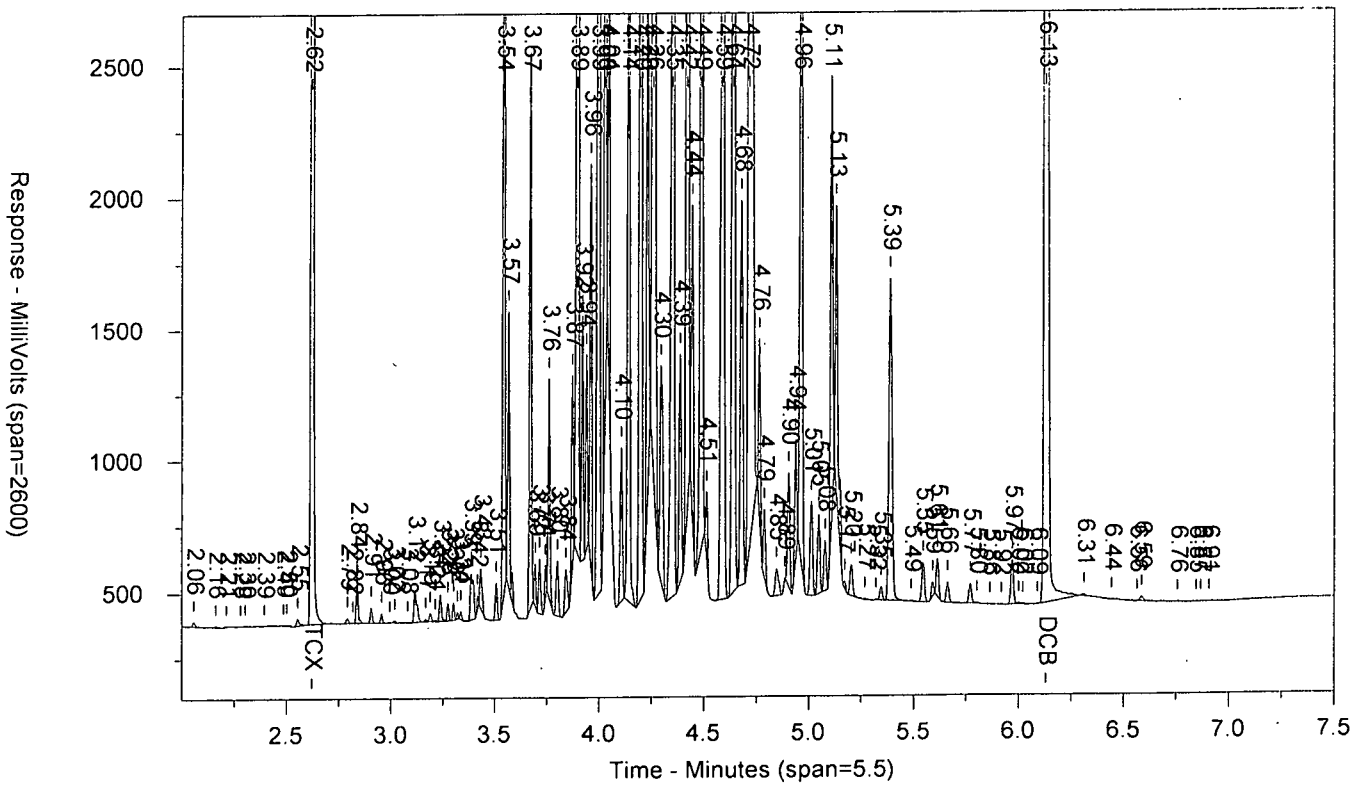

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:28:06 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	11351310	81.212	TCX	2.62	15448340	81.124	TCX
6.634	7859145	78.841	DCB	6.128	18378780	77.965	DCB

Files:
Area File: 25pcbs17116001.021.RAW
Area File: 25pcbs17116001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:36:37 PM
File Reported On: 4/26/2017 at 5:36:44 PM

AR5451724A AAAR545AA ICAL 1711599999 10736 SW-846 8082

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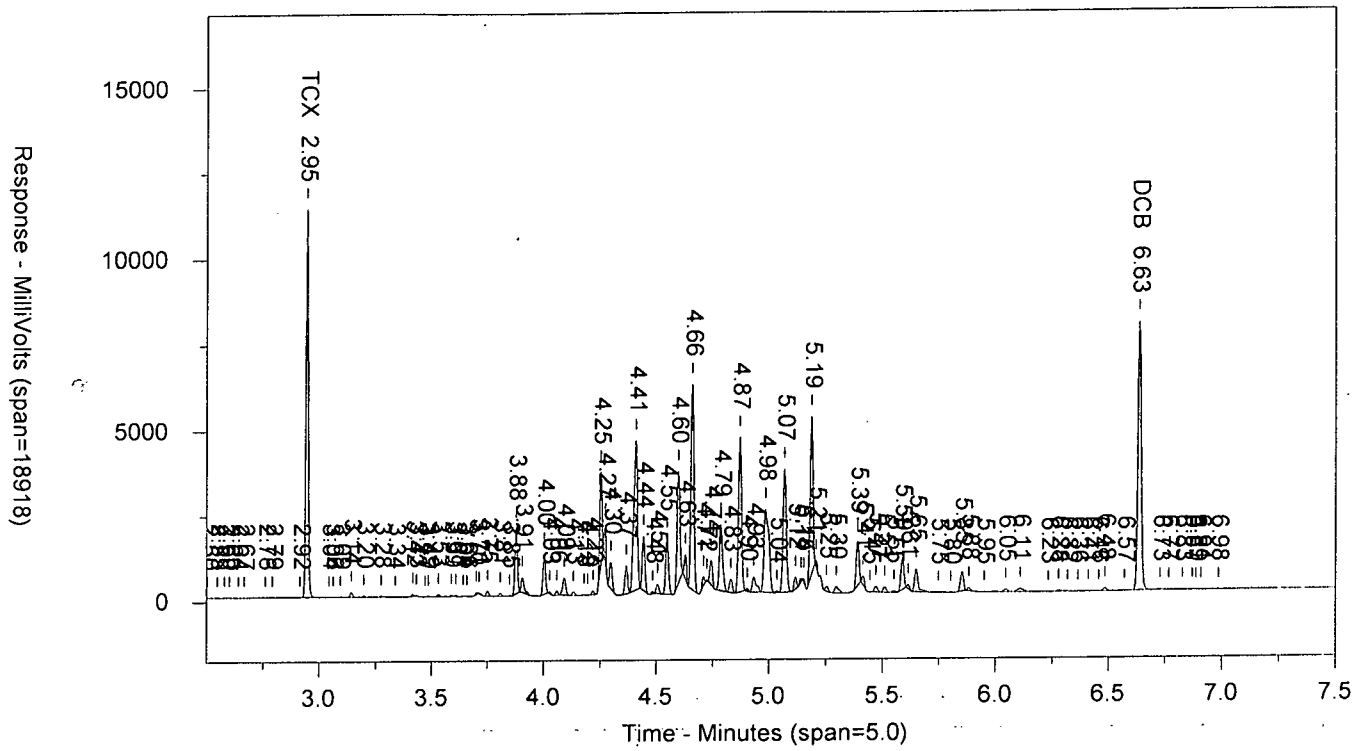

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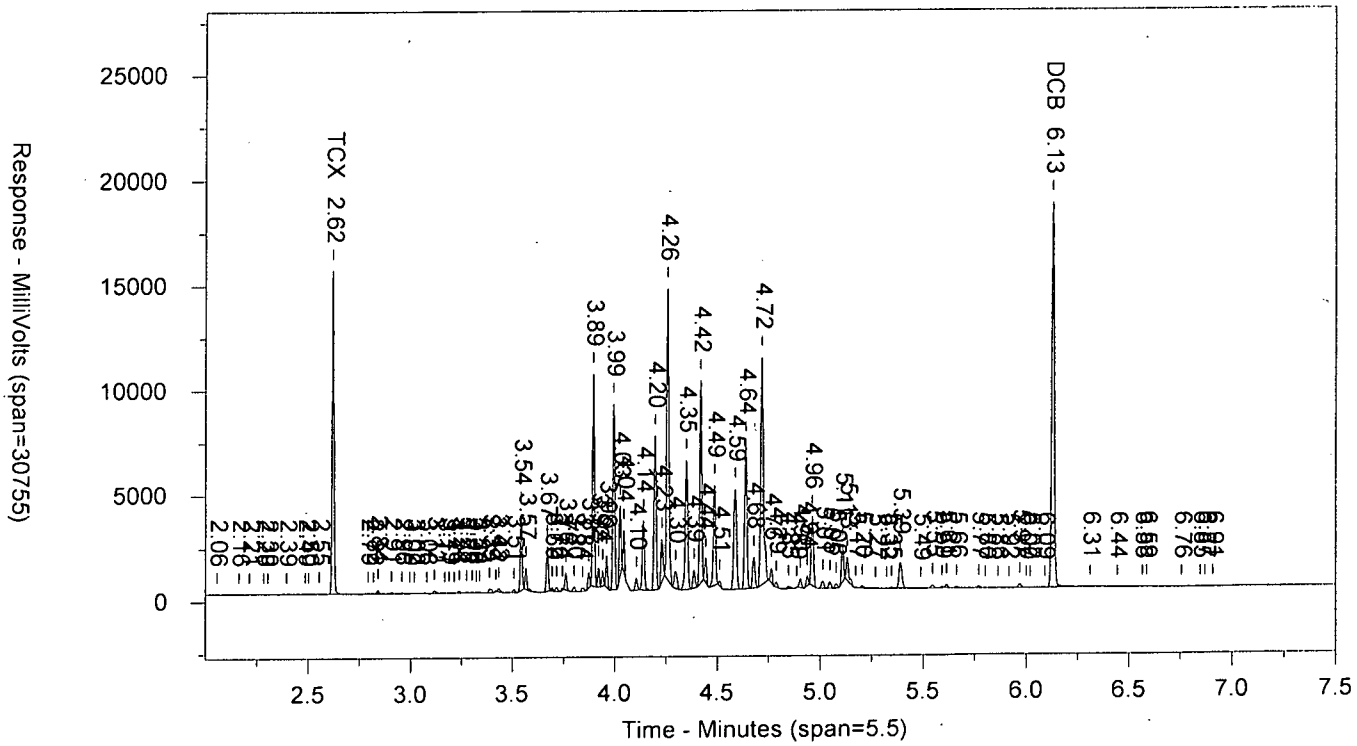

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.012		1180	1050
2.045		11793	11933
2.093		3187	13168
2.178		2969	4591
2.209		665	2325
2.304		316	180
2.34		18912	13120
2.37		681	1839
2.45		674	483
2.504		6348	7761
2.545		1616	1741
2.645		311	200
2.693		269	129
2.718		1073	998
2.76		2278	2924
2.791		8915	8177
2.89		884	987
2.915		4731	4084
2.941	TCX	1116	1192
2.982		1476	973
3.043		631	529
3.066		738	424
3.095		2044	2538
3.15		3329	2561
3.198		14928	11094
3.237		436	281
3.29		5318	7398
3.381		391	205
3.416		15943	9700
3.433		7232	3899
3.471		1256	780
3.486		1491	1818
3.531		20103	16846
3.608		2861	1782
3.641		5101	4730
3.657		1531	857
3.7		18283	11670
3.712		14823	6907
3.75		25426	20179
3.807		21570	16916
3.848		1591	1116
3.878		24140	18173
3.914		17122	21847
3.965		2157	1819
4.002		18683	14226
4.026		4486	2869
4.058		5451	4002
4.091		17783	19206
4.132		4621	3510
4.195		14281	10972
4.218		3280	1851
4.254		140798	139271
4.297		21621	26937
4.366		16474	20006

RT A	Compound A	Height A	Area A
4.409		166398	164684
4.443		14451	10759
4.482		553	246
4.504		4639	4002
4.545		44763	43063
4.615		138772	165318
4.659		88594	77805
4.709		458334	486021
4.745		74015	52674
4.784		775578	739755
4.828		12553	10723
4.869		63616	63941
4.905		5526	3901
4.931		106491	97683
4.983		889828	1024757
5.035		407783	398512
5.074		382549	498102
5.153		49918	45439
5.187		811254	846677
5.23		13213	6917
5.254		1178901	1157305
5.297		538481	526804
5.387		218597	173378
5.415		1015100	1041650
5.471		444023	411003
5.506		183253	220723
5.555		43879	49772
5.594		182132	195525
5.649		2616967	2730606
5.794		1022	911
5.853		1605369	1544002
5.909		735876	1130969
6.016		1037	2522
6.045		79352	80780
6.122		381215	482570
6.194		589	543
6.234		1129	1558
6.279		949964	972468
6.325		57592	56191
6.358		803	941
6.409		905	1054
6.482		374415	396070
6.569		1460	2212
6.613		224	603
6.634	DCB	12696	14014
6.694		2440	2544
6.738		678	840
6.783		1907	3295
6.834		2183	3618
6.872		753	491
6.911		3148	5280
6.947		799	379
6.977		884	230
6.989		383	187

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.12		829	600
2.212		3478	4437
2.277		1456	2267
2.397		823	458
2.414		2228	1439
2.501		9522	15040
2.525		4065	2203
2.554		16717	29630
2.665		1910	2219
2.718		1749	3091
2.792		3418	7434
2.856		5140	5460
2.907		21330	13007
2.964		945	721
2.997		1339	857
3.019		3451	2361
3.05		1190	1352
3.115		32817	31718
3.168		3286	3132
3.194		4597	3475
3.214		2103	1189
3.238		30895	20956
3.276		5458	5266
3.322		7050	3409
3.338		26791	16075
3.398		60256	62760
3.432		38343	35355
3.463		3761	2538
3.507		37246	24561
3.543		41712	25400
3.567		45370	32481
3.6		4612	2683
3.671		30968	20803
3.694		24198	20464
3.744		20334	38073
3.761		25270	15438
3.801		11618	9365
3.847		15231	15271
3.875		13976	8554
3.894		253345	175945
3.92		31190	18398
3.942		5694	2937
3.961		57333	40684
3.994		293720	206047
4.028		35369	22890
4.044		14992	10971
4.095		9515	11175
4.13		51965	61340
4.17		2948	1682
4.195		63852	40605
4.239		208010	137559
4.271		890422	675270
4.298		228908	235761
4.349		1595405	1225232

RT B	Compound B	Height B	Area B
4.389		26236	23568
4.419		60316	40439
4.443		230254	175965
4.486		1765175	1404473
4.59		1763720	1530187
4.642		309349	255347
4.682		539061	440752
4.716		1182004	990323
4.749		2655234	2004225
4.787		1068301	851651
4.886		541439	453693
4.937		2625957	2253919
5.012		1051495	1042730
5.048		326260	254869
5.076		299340	236813
5.131		5495144	4670696
5.172		64017	46836
5.204		348736	290046
5.282		2368	1593
5.321		89663	59162
5.345		2066216	1730685
5.392		3586774	3608975
5.545		168698	158427
5.591		23973	16272
5.613		101972	81977
5.662		792197	699853
5.769		2059958	1739962
5.801		107150	78099
5.968		792752	717273
6.129	DCB	30571	26941
6.307		5441	5819
6.511		946	816
6.62		1402	1605
6.656		1659	1685
6.855		953	3134

AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082

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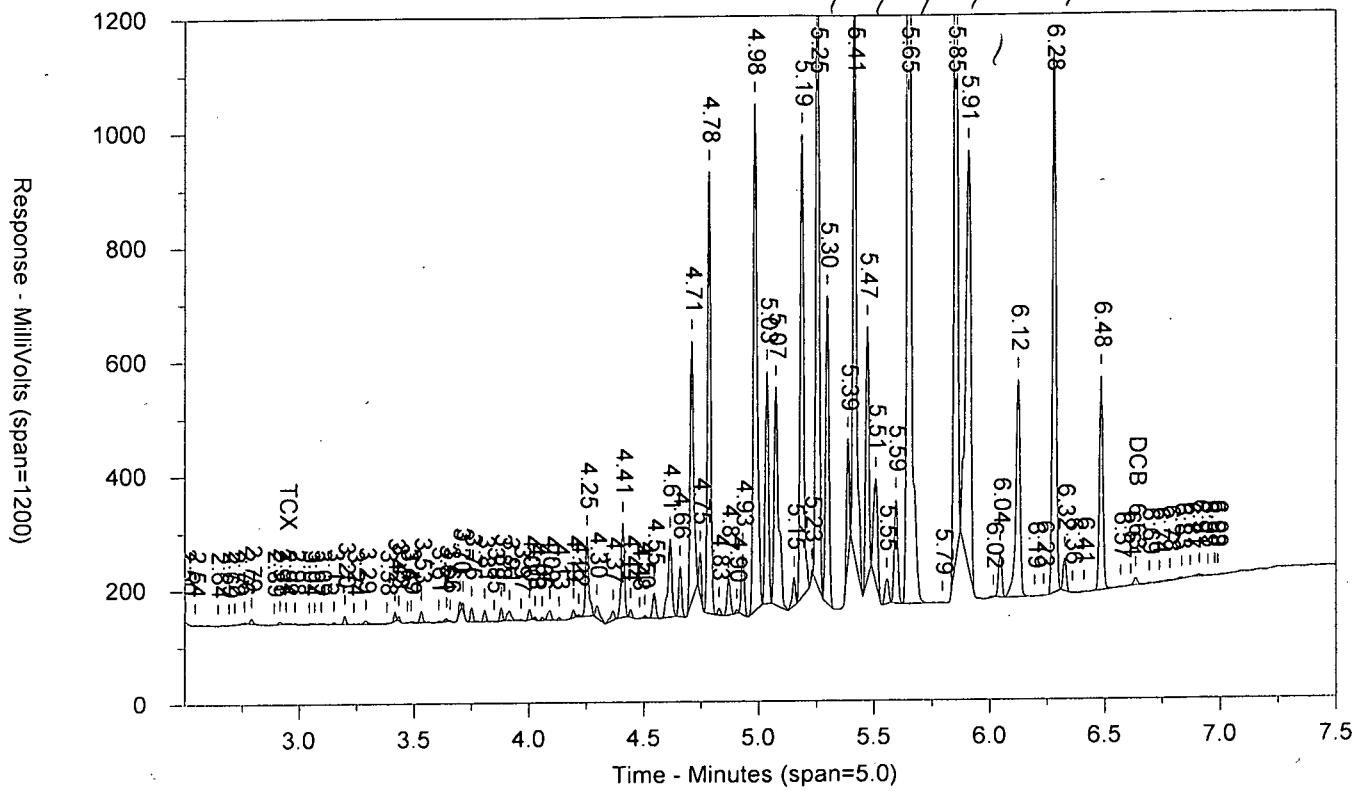

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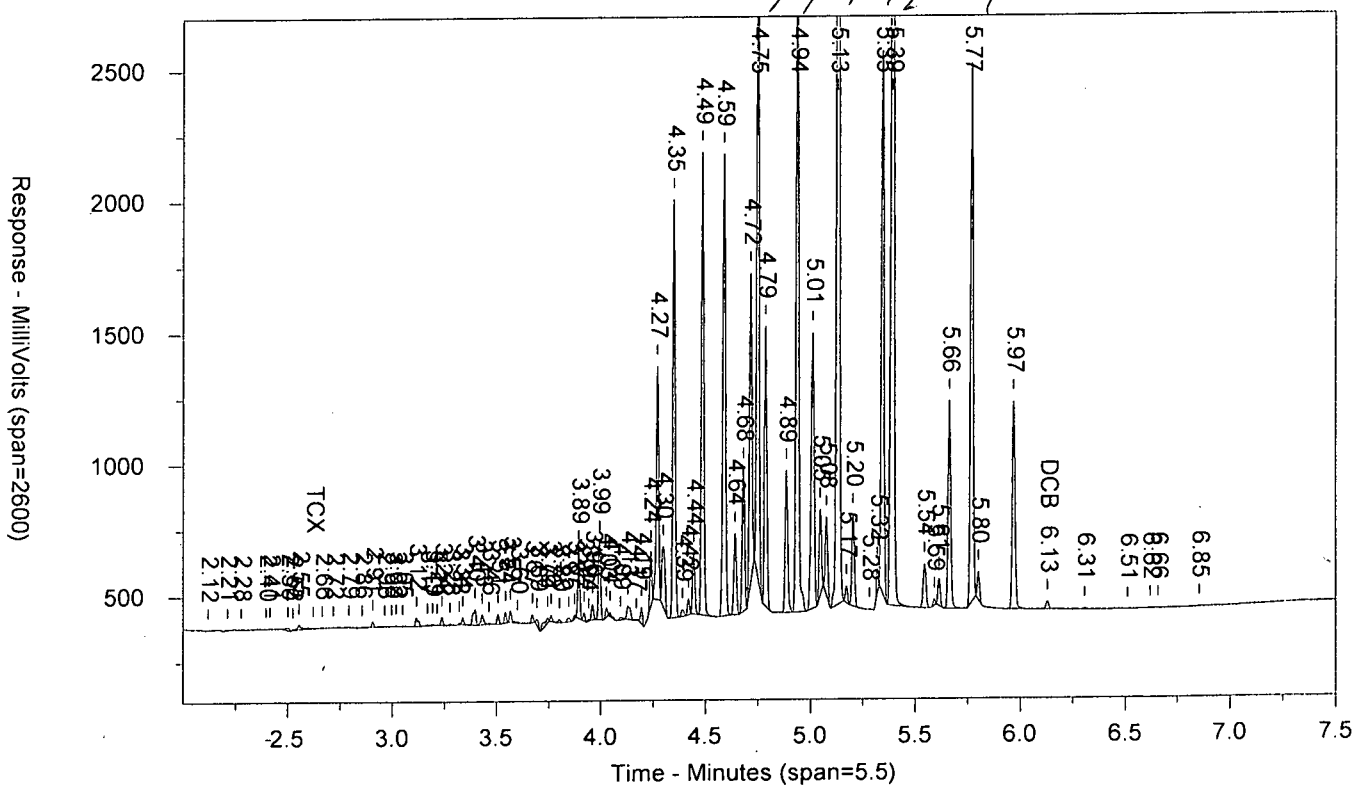

LANCASTER LABORATORIES

Sample Number: AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:39:25 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.941	1116	.008	TCX		0		TCX
6.634	12696	.127	DCB	6.129	30571	.13	DCB

Files:
Area File: 25pcbs17116001.022.RAW
Area File: 25pcbs17116001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:47:57 PM
File Reported On: 4/26/2017 at 5:48:06 PM

AR6231624B AAAR623AA ICAL 1711599999 10736 SW-846 8082

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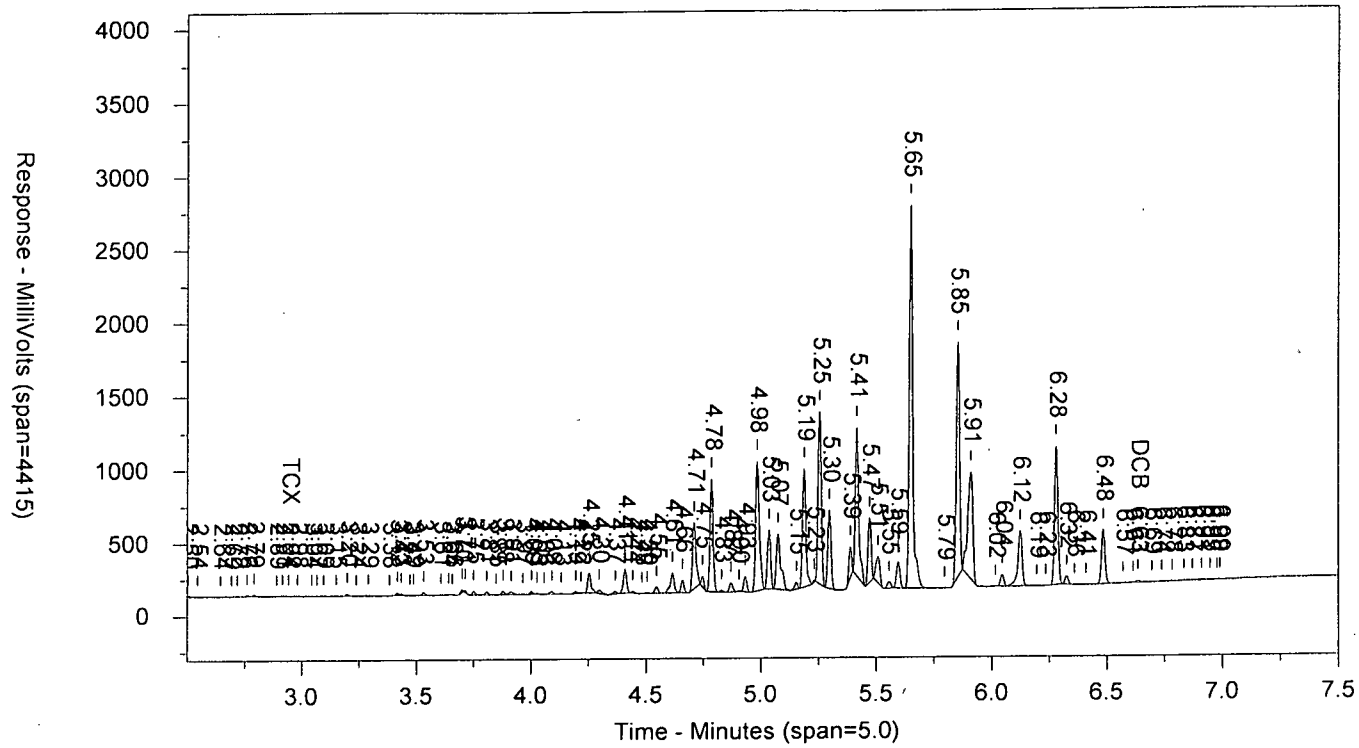

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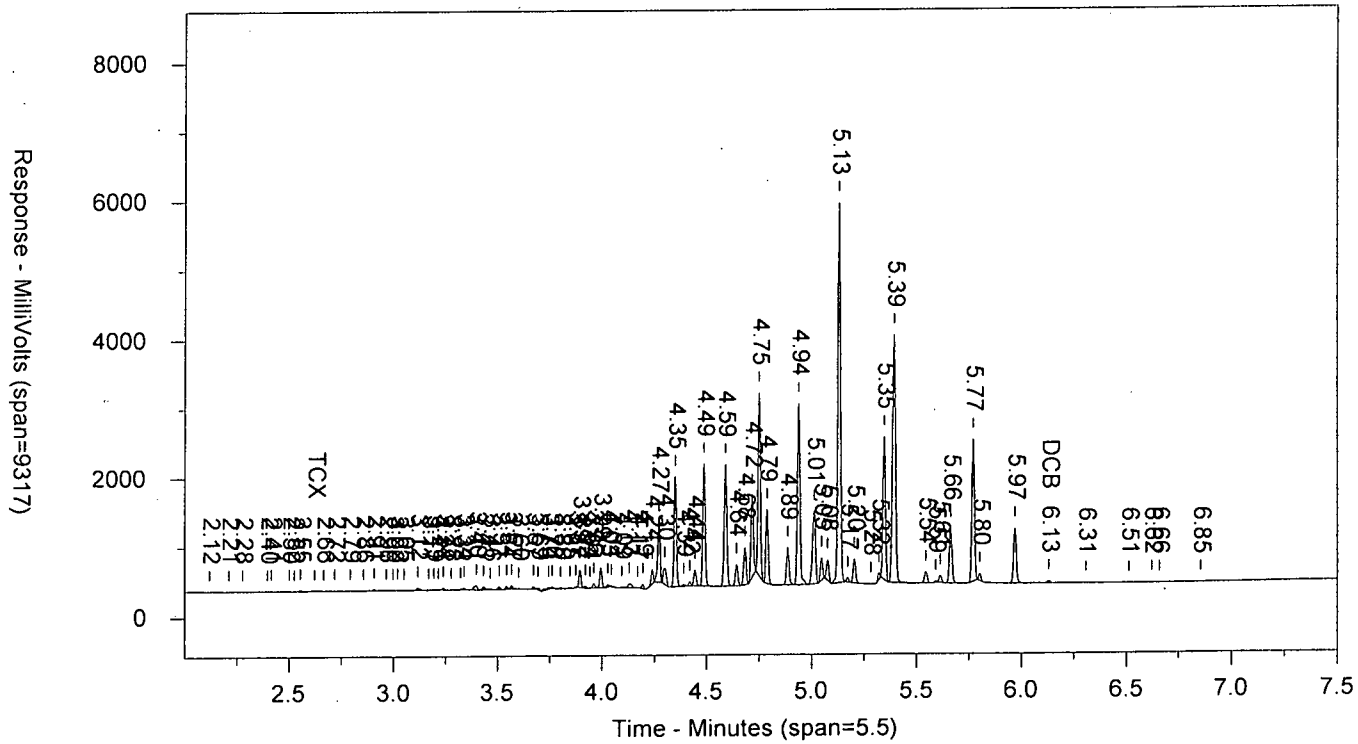

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		974	849
2.044		8526	8465
2.084		52022	72078
2.171		1877	2363
2.25		1328	1434
2.339		19328	13627
2.372		1549	1483
2.446		476	412
2.487		1311	731
2.505		2563	1549
2.544		3427	4377
2.599		751	436
2.719		801	683
2.762		3108	4128
2.791		12182	10810
2.887		933	1165
2.917		3414	3309
2.962	TCX	853	687
2.981		1267	841
3.044		848	934
3.066		1054	726
3.093		723	470
3.117		409	367
3.15		767	450
3.166		736	511
3.198		2033	1540
3.288		3032	4559
3.343		516	443
3.399		1238	679
3.417		2923	1690
3.434		1429	830
3.469		731	469
3.49		1369	1311
3.531		5206	4822
3.56		1011	789
3.611		621	231
3.635		2387	2488
3.698		16561	11448
3.751		7964	6289
3.779		919	520
3.807		6624	5612
3.835		469	260
3.851		757	427
3.878		7537	5805
3.913		4720	7278
3.948		478	284
3.966		1228	855
4.003		7881	5923
4.026		2707	1851
4.058		3229	2372
4.092		7849	7777
4.132		3289	2597
4.195		14802	13217
4.249		10050	10978

RT A	Compound A	Height A	Area A
4.272		9949	6350
4.297		16148	21447
4.362		3347	6939
4.399		9099	6846
4.42		3801	2461
4.446		1744	1267
4.503		3246	3823
4.544		23137	22672
4.6		8449	7625
4.629		1603	1023
4.66		9739	9399
4.709		4507	3754
4.741		6137	5544
4.785		9481	8764
4.828		16047	14898
4.87		13547	12776
4.907		27222	31869
4.983		11061	15549
5.035		44467	42998
5.068		9816	8767
5.093		2688	1803
5.147		10743	10357
5.187		20217	18497
5.227		17381	11749
5.254		468576	459147
5.297		42026	37019
5.388		31426	25874
5.436		588985	674935
5.472		5925	3254
5.498		184355	190542
5.551		28787	32922
5.594		6347	6201
5.649		251502	209587
5.673		138762	110316
5.75		1986	1954
5.789		462	280
5.816		461	210
5.854		2837533	2899510
5.911		2581956	2816218
6.045		2397956	2407823
6.109		623793	714310
6.238		681	1299
6.28		1016396	1060203
6.325		5078	3864
6.361		6194	7107
6.42		1203	2092
6.485		8346168	8349905
6.558		2042	1820
6.589		814	195
6.635	DCB	1583848	1692636
6.693		6814	6734
6.732		1488	1422
6.763		675	317
6.779		2736	2980
6.819		1084	551
6.832		1162	784
6.876		881	859
6.902		2022	2494
6.948		4138	4588

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.12		1746	2471
2.211		3755	3642
2.235		2317	2445
2.363		3345	2985
2.415		3045	3772
2.476		913	510
2.502		10381	7824
2.553		30060	69486
2.687		1117	2155
2.815		1679	3566
2.906		4089	8767
2.996		2112	2243
3.115		7260	7765
3.195		3481	4682
3.238		6929	4941
3.284		2956	4241
3.339		27355	18845
3.397		19285	22380
3.431		12322	13739
3.464		3359	2496
3.507		11570	8399
3.542		11657	7035
3.567		14826	9506
3.599		4093	2528
3.671		12347	7588
3.695		20761	18720
3.744		12106	34838
3.762		13970	8394
3.802		7539	5458
3.85		13854	11403
3.874		13547	10017
3.896		27726	17008
3.92		25410	16336
3.961		36851	32195
3.994		6072	3900
4.03		20320	14861
4.058		11368	6808
4.095		9455	9577
4.129		33766	29717
4.172		17269	35019
4.229		16094	25970
4.258		10098	5741
4.271		5664	2773
4.35		29987	28591
4.389		33914	24458
4.419		12094	8412
4.442		7972	4482
4.461		42304	29964
4.486		13896	8298
4.559		1038	1249
4.589		101020	85895
4.639		28596	24055
4.685		46899	45702
4.718		14482	11136

RT B	Compound B	Height B	Area B
4.749		961358	837342
4.788		70672	53657
4.887		74091	64257
4.937		1394346	1210034
5.003		389148	355015
5.064		9680	5768
5.082		35869	25351
5.131		587137	521013
5.205		392531	350498
5.285		3539	2817
5.322		48884	30254
5.346		6533992	5358782
5.394		6354480	5294100
5.545		5528465	4632010
5.613		1361341	1174482
5.663		160021	142760
5.769		2302684	2001710
5.893		13036	18262
5.968		19631940	16503600
6.13	DCB	3780704	3326205
6.307		17719	20160
6.469		10306	9575
6.862		1443	1273
6.938		1504	2634

AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082

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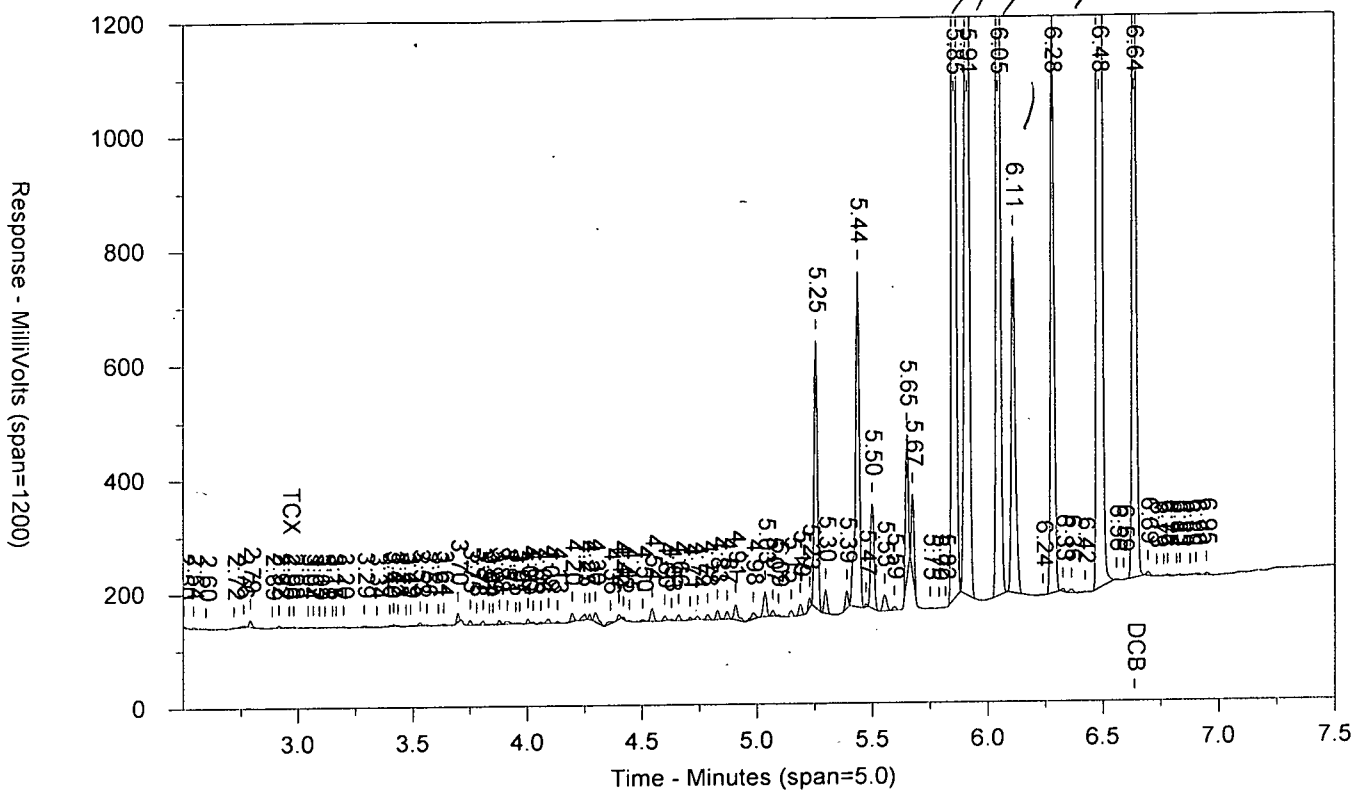

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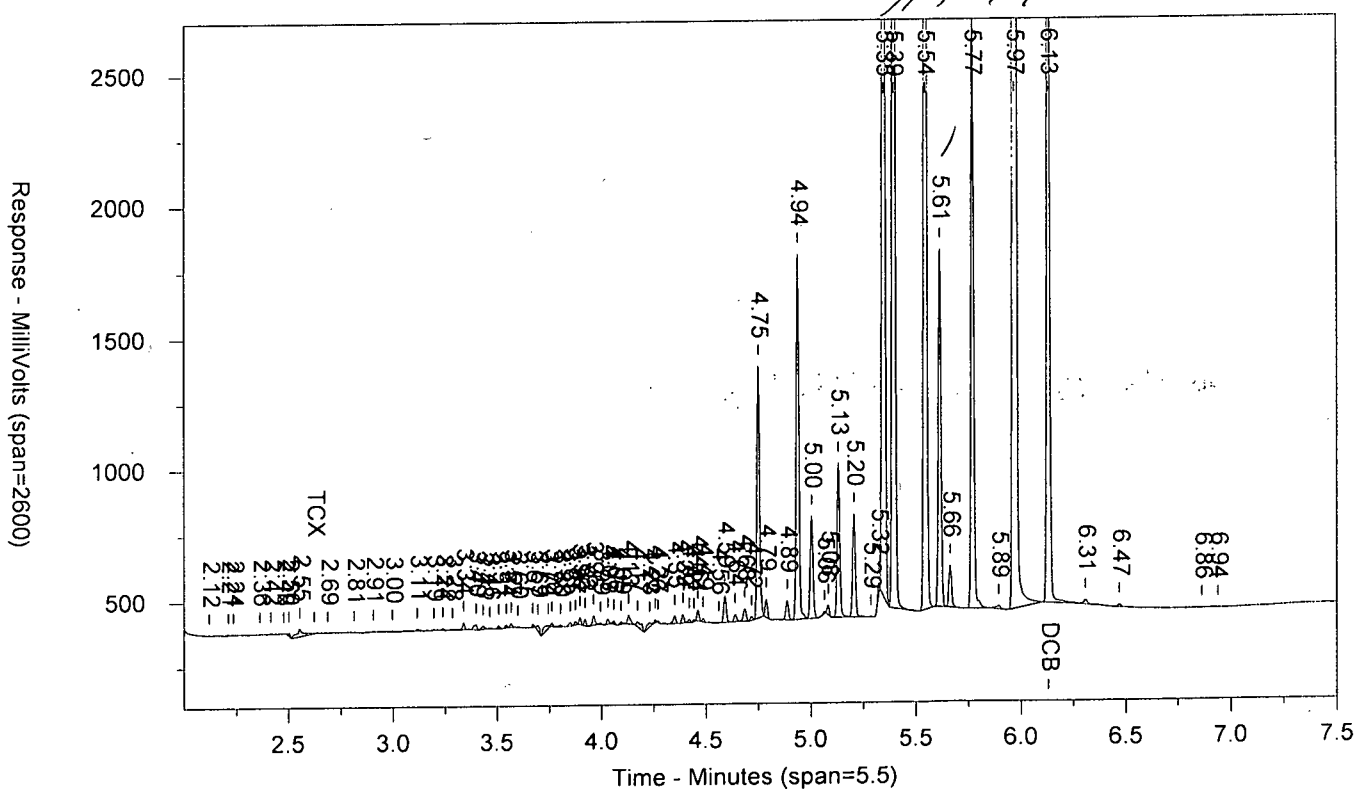

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:50:45 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.962	853	.006	TCX		0		TCX
6.635	1583848	15.889	DCB	6.13	3780704	16.038	DCB

Files:
Area File: 25pcbs17116001.023.RAW
Area File: 25pcbs17116001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 5:59:17 PM
File Reported On: 4/26/2017 at 5:59:28 PM

AR6831724A AAAR683AA ICAL 1711599999 10736 SW-846 8082

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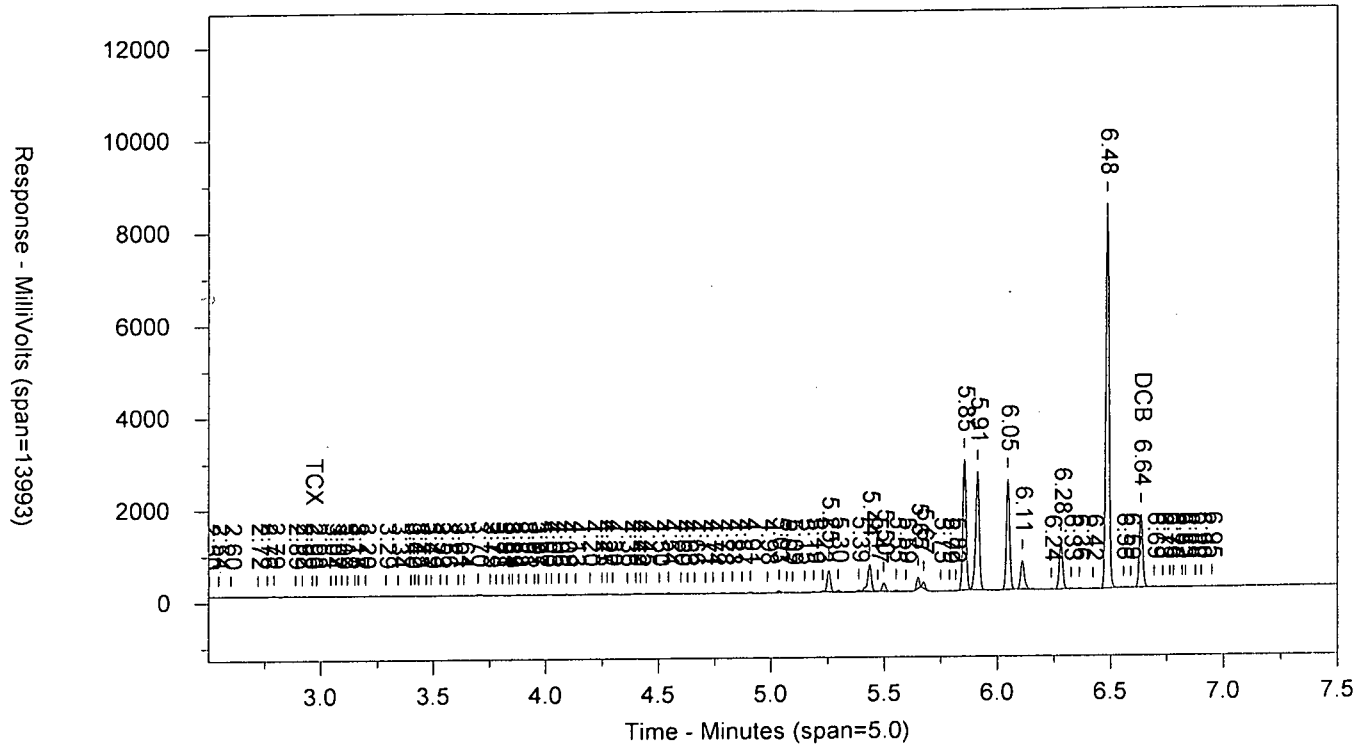

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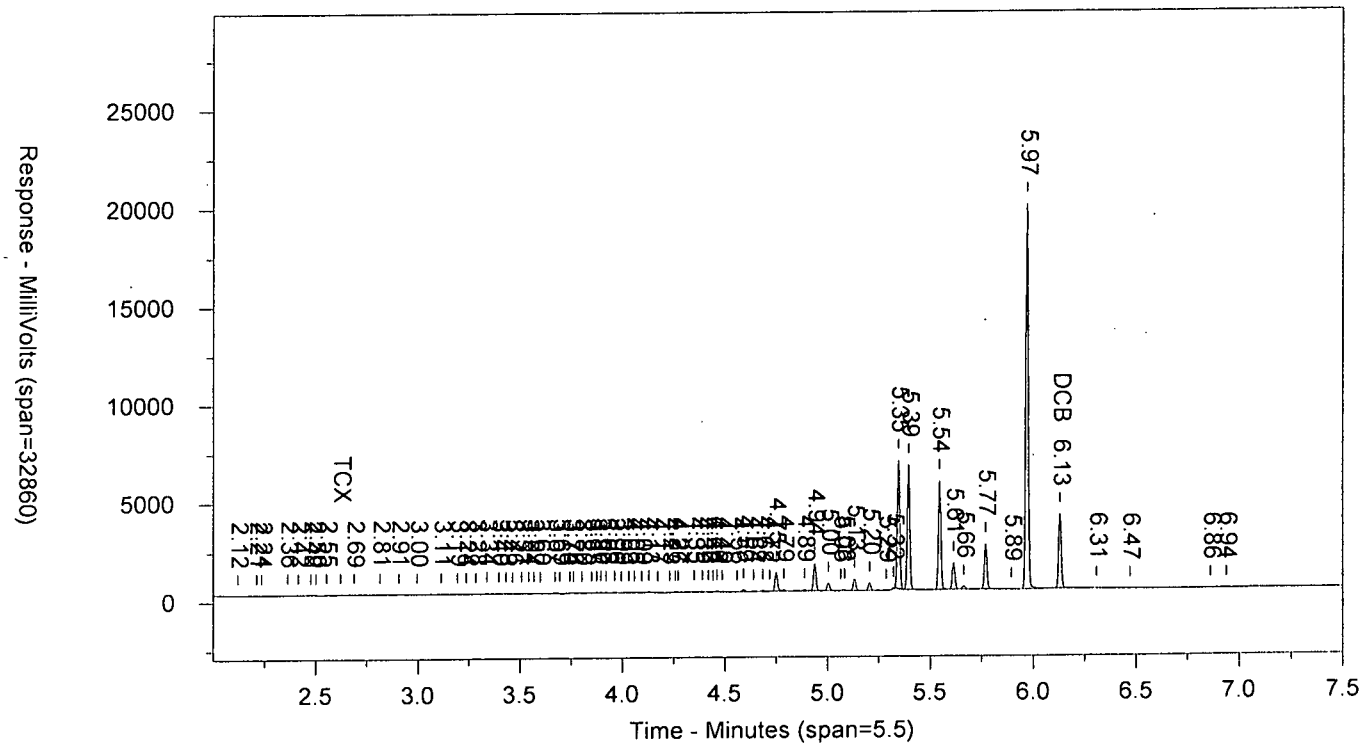


LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		6779	8883
2.09		2668	3654
2.156		1465	4042
2.24		26897	21722
2.304		785	482
2.34		21498	20879
2.439		474	579
2.504		2074	1356
2.522		4011	2287
2.544		2646	2176
2.579		185199	143751
2.666		637	651
2.718		1123	1103
2.76		2126	2639
2.791		13701	10988
2.819		2173	1275
2.855		58696	41426
2.916		1641	1095
2.945	TCX	5803366	4099016
3.044		2781	2920
3.094		227157	199979
3.149		208523	182200
3.198		638197	467012
3.276		11217	6797
3.291		2633	1235
3.381		510	328
3.416		29212	16982
3.437		32152	37736
3.47		4021	1884
3.497		81754	58492
3.532		42555	32911
3.589		20944	13162
3.609		2642	1534
3.643		10034	6137
3.658		10206	5154
3.68		3113	1689
3.701		20480	12049
3.712		39480	20496
3.75		58849	44276
3.777		1043	449
3.808		37871	28862
3.849		1457	931
3.878		21503	16542
3.905		6345	4688
3.967		2420	2184
4.003		13373	9662
4.027		5021	3444
4.058		3441	2493
4.092		20344	18141
4.132		2927	2646
4.195		16082	16290
4.254		18325	12586
4.271		9648	5426
4.297		15421	16544

RT A	Compound A	Height A	Area A
4.365		4290	4696
4.408		22254	32279
4.443		6652	4672
4.481		2816	2280
4.51		3275	2957
4.547		9153	8127
4.598		16306	14585
4.627		2726	1718
4.658		30919	27681
4.706		2758	2643
4.74		4212	3505
4.783		9452	9771
4.83		1894	1496
4.87		16262	15891
4.906		9833	8574
4.931		1182	694
4.984		8243	11213
5.023		6342	6571
5.067		11768	13583
5.116		1248	777
5.147		18211	17583
5.186		14106	14787
5.227		1277	794
5.254		1698	1415
5.293		2200	2805
5.375		740	884
5.389		2901	2198
5.414		1864	1386
5.443		595	529
5.476		1922	1650
5.506		1042	1090
5.549		14964	14828
5.589		1713	1480
5.648		2371	1838
5.673		26851	23321
5.753		855	927
5.852		4880	5309
5.901		650	320
5.954		898	954
6.008		2598	3166
6.045		44773	43820
6.109		51121	62279
6.243		2743	6989
6.308		2716	5875
6.387		784	538
6.41		1547	1489
6.457		635	654
6.483		48804	52141
6.541		431	345
6.558		1432	1231
6.634	DCB	4104335	4220476
6.697		1119	545
6.728		1011	591
6.785		2351	4465
6.821		668	125
6.832		1370	799
6.873		583	200
6.883		664	293
6.909		2738	3753

LANCASTER LABORATORIES

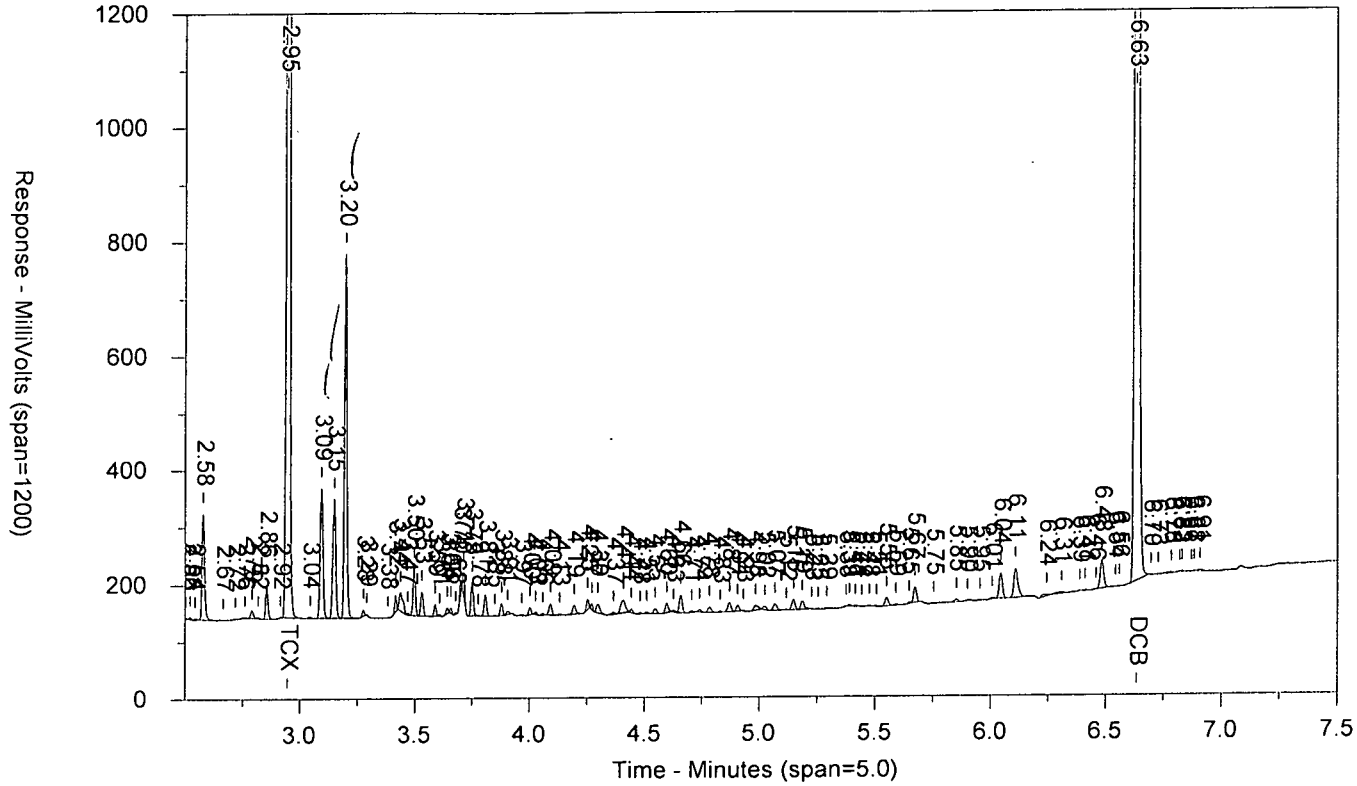
Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9536	7415
2.159		2535	4842
2.211		7343	6475
2.304		194225	144486
2.417		2517	2703
2.54		3127	6648
2.554		20870	13114
2.578		66866	41768
2.621	TCX	7994939	4846899
2.664		78741	67437
2.793		340243	231153
2.84		65089	31243
2.855		210110	117929
2.907		887228	564403
2.957		19843	13076
3.019		6821	5344
3.097		2931	1725
3.115		62355	89817
3.158		35137	26072
3.188		7311	4545
3.215		122392	75082
3.238		67923	43209
3.277		7217	4491
3.303		36709	19837
3.322		18925	9146
3.338		36929	20841
3.364		2222	1420
3.389		25837	12653
3.398		72749	33105
3.433		78594	68675
3.507		65401	45154
3.543		27657	15716
3.565		23026	15482
3.585		4735	2310
3.606		2271	3807
3.671		20756	12598
3.694		10189	6297
3.717		6841	4215
3.745		4585	2201
3.762		35777	22633
3.802		7149	5084
3.857		3027	2403
3.872		12358	6987
3.895		63151	40919
3.92		24419	15211
3.961		40929	36652
3.995		40045	27667
4.028		19874	11979
4.044		9426	10873
4.094		12745	14524
4.14		15873	11942
4.172		5565	3772
4.196		32484	22108
4.23		10898	8734

RT B	Compound B	Height B	Area B
4.257		54469	42650
4.297		4272	4240
4.349		29554	25887
4.388		3176	2306
4.419		28382	20769
4.444		3720	2126
4.46		17554	11932
4.486		15270	9584
4.511		2190	1836
4.542		1478	1059
4.585		17873	16960
4.615		4320	2857
4.639		17365	15554
4.688		32633	28309
4.717		27849	23449
4.865		7851	10873
4.94		6487	5291
4.961		7280	5449
5.011		4485	5525
5.081		24470	23789
5.11		2492	1627
5.132		7123	5287
5.204		59912	54730
5.266		3397	3176
5.328		2967	1994
5.347		4029	15437
5.415		8766	15684
5.464		1792	1745
5.495		3057	3249
5.545		89699	79610
5.613		101299	88377
5.663		18142	15396
5.751		3834	4355
5.801		2745	5943
5.864		1709	2634
5.926		1683	2439
5.968		100730	87683
6.003		5730	6292
6.129	DCB	9220669	8194096
6.325		3039	4297
6.447		2067	4368
6.583		9972	10115
6.646		1427	1412
6.76		2282	3864
6.845		1035	3313

AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.024.RAW



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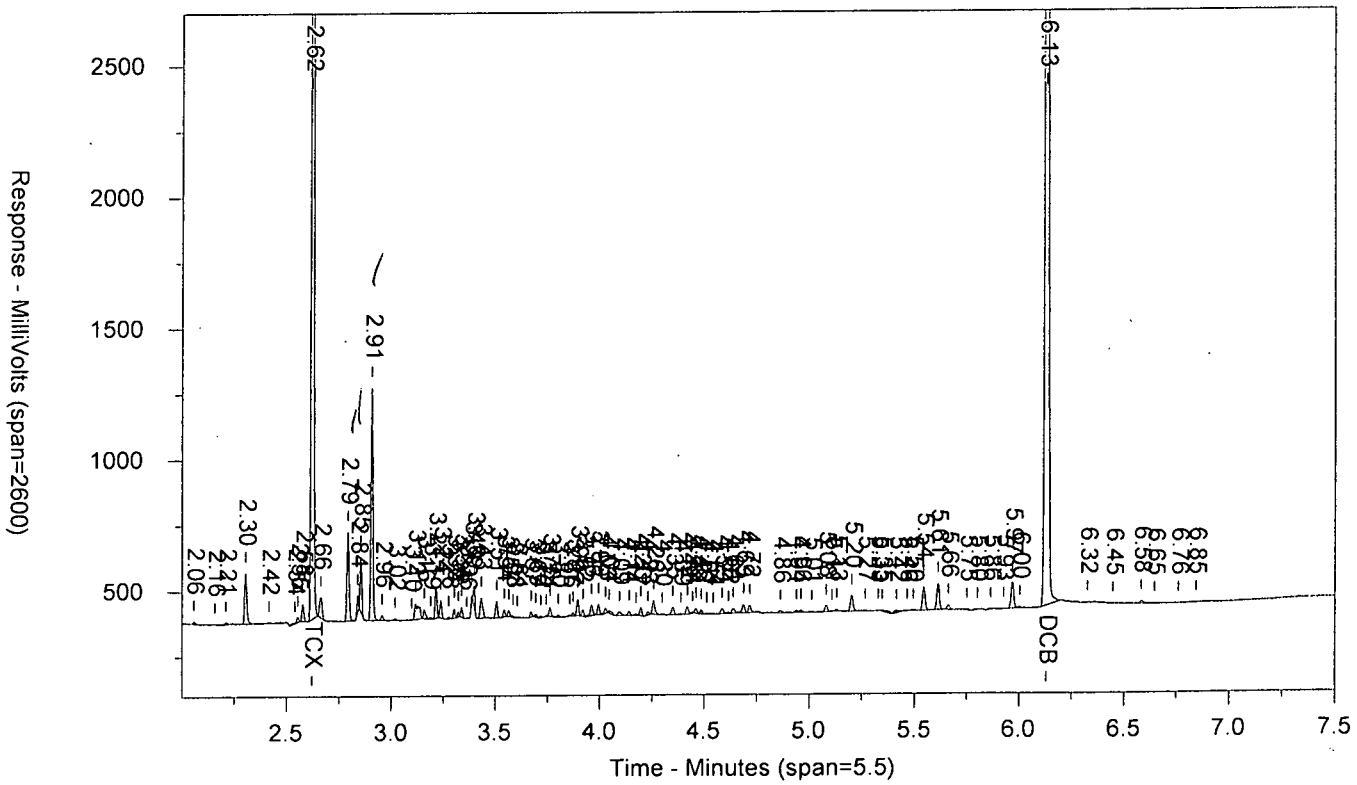

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5803366	41.52	TCX	2.621	7994939	41.984	TCX
6.634	4104335	41.174	DCB	6.129	9220669	39.115	DCB

Files:
Area File: 25pcbs17116001.024.RAW
Area File: 25pcbs17116001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:10:35 PM
File Reported On: 4/26/2017 at 6:10:44 PM

AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082

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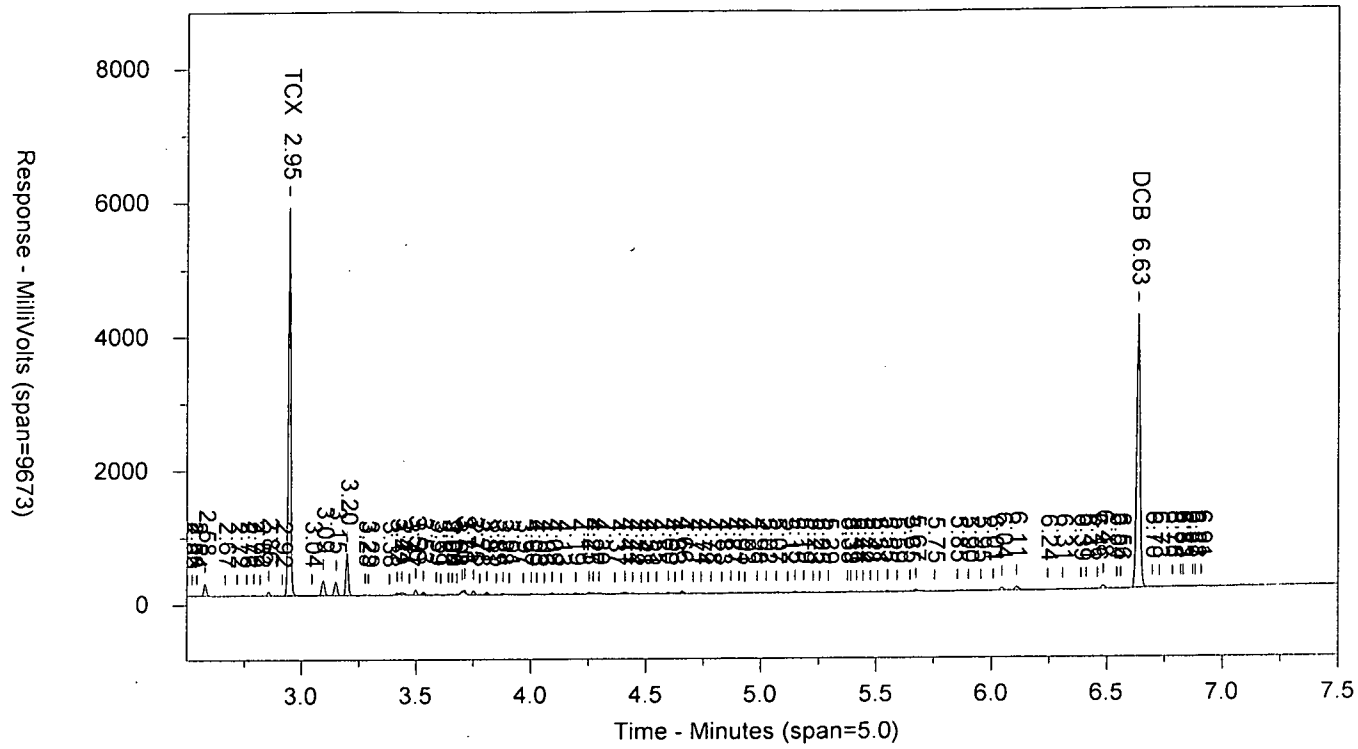

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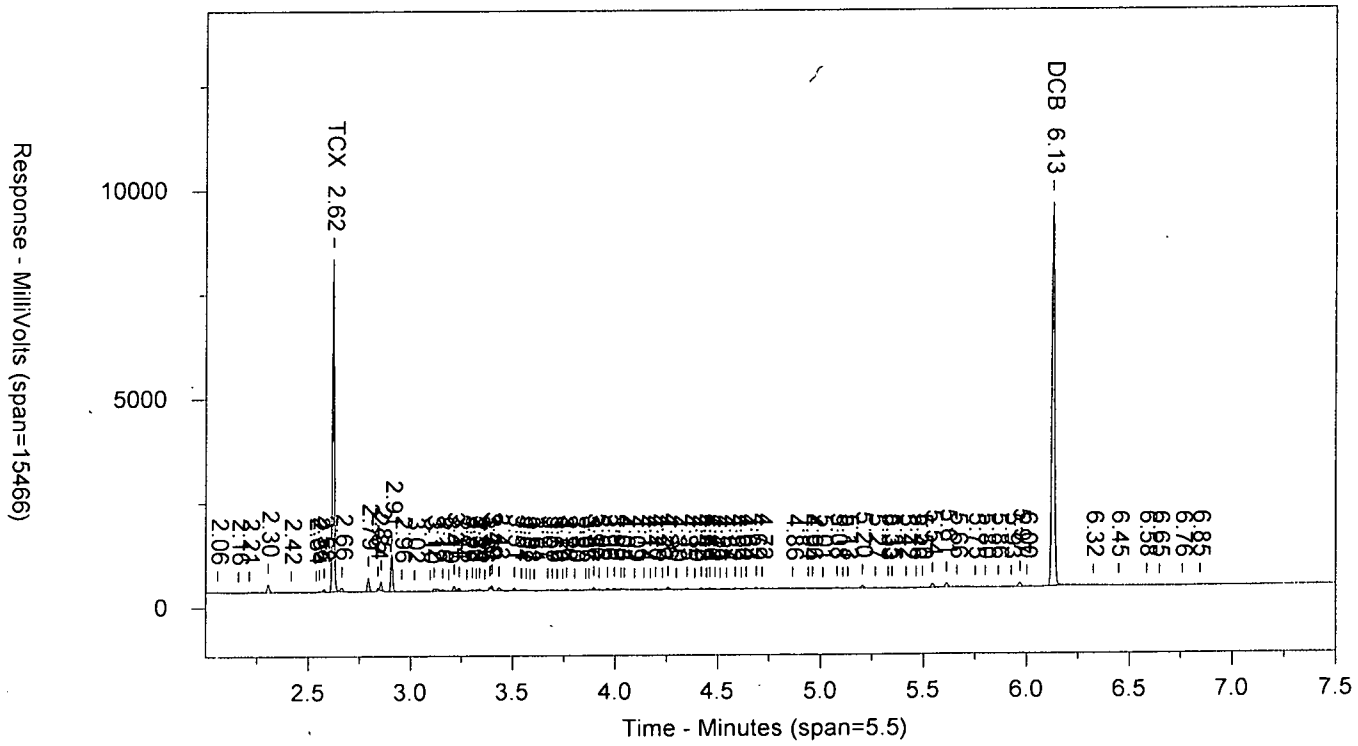

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		801	758
2.046		7968	7813
2.094		3319	4022
2.178		1608	1637
2.241		26971	22032
2.341		45371	41641
2.45		588	626
2.507		4301	5438
2.547		5297	4446
2.58		123075	92511
2.669		596	496
2.72		1716	2026
2.754		5407	7248
2.792		19779	16838
2.857		35651	25132
2.917		2365	1691
2.947	TCX	6042044	4228550
3.045		2578	2023
3.065		758	469
3.096		177006	154472
3.151		175119	163158
3.2		571287	427162
3.278		9182	4928
3.294		25516	16244
3.338		766	632
3.385		646	567
3.419		211882	132839
3.436		103107	59377
3.474		26720	15121
3.5		59686	44168
3.535		278767	221717
3.573		1154	574
3.593		21728	13308
3.613		9314	5488
3.647		63948	38133
3.662		34245	17133
3.707		78010	58153
3.717		269124	140487
3.755		341867	266805
3.812		284438	221528
3.854		19281	14263
3.882		158762	121593
3.91		114657	98038
3.931		31878	16587
3.972		2022	1717
4.007		185961	141641
4.031		71841	46422
4.063		78902	55903
4.096		220369	214150
4.136		66452	55818
4.184		7119	4512
4.199		10298	6207
4.224		14966	10793
4.256		117799	81770

RT A	Compound A	Height A	Area A
4.275		150965	101547
4.299		201790	162268
4.356		7147	5231
4.37		4815	2722
4.404		125906	94087
4.424		79692	48408
4.447		22169	14660
4.488		1676	1138
4.511		5974	4585
4.552		31453	30567
4.602		47314	40229
4.633		25814	18977
4.663		78252	70112
4.713		2581	1870
4.745		38504	37867
4.79		9418	10861
4.835		7581	6885
4.875		51780	47923
4.91		9474	7939
4.938		885	515
4.955		1787	1186
4.988		9350	12236
5.028		3417	3619
5.071		54111	53576
5.151		18832	18027
5.191		14223	12995
5.229		1110	793
5.258		3576	3229
5.302		2362	2793
5.346		343	293
5.374		1221	1145
5.393		2618	1835
5.42		4194	3356
5.477		3094	2966
5.51		1830	1751
5.553		14301	15053
5.597		2033	1937
5.62		799	509
5.653		6307	4825
5.677		27175	23184
5.757		1400	2143
5.856		8506	9710
5.911		2501	3725
5.96		1151	1553
6.015		2273	3044
6.049		48319	46875
6.113		55449	68031
6.244		5128	9012
6.31		4273	14873
6.37		1706	2169
6.414		1866	2637
6.46		683	489
6.488		49966	54199
6.638	DCB	4334713	4429199
6.725		1037	1083
6.739		715	434
6.781		2484	3785
6.834		2165	3500
6.884		579	270
6.913		2678	3479
6.951		565	505
6.984		477	114

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		10038	8469
2.161		4963	7847
2.212		2449	2966
2.279		1499	1131
2.303		128197	91327
2.417		4897	5296
2.474		1138	1431
2.501		6464	5462
2.524		2818	1779
2.553		34400	22458
2.577		40678	24024
2.62	TCX	8534095	5093492
2.664		73014	58209
2.793		261484	181449
2.839		72487	34565
2.854		171851	96303
2.907		821522	523359
2.956		21399	13609
3.019		46128	29791
3.097		1666	759
3.116		417191	433672
3.167		57504	45836
3.189		25774	15641
3.215		98830	57865
3.239		412778	281513
3.276		19576	11270
3.304		36254	19073
3.323		108285	58697
3.339		81048	41583
3.4		842442	863437
3.434		443703	317275
3.509		458225	299288
3.545		276403	177499
3.568		314950	179784
3.587		102488	54348
3.674		352889	243705
3.697		150849	87820
3.719		124476	74227
3.747		93714	50028
3.765		352231	219862
3.806		127594	98697
3.854		25294	16367
3.875		233119	148306
3.898		446016	289324
3.923		410763	260890
3.944		14041	6040
3.964		43654	27078
3.982		8883	3474
3.998		86981	55556
4.033		273709	190613
4.06		185531	115258
4.108		15416	17903
4.143		57953	45560
4.175		3475	2103

RT B	Compound B	Height B	Area B
4.2		101144	69140
4.233		62179	45658
4.261		145482	106694
4.297		3131	3640
4.354		72415	80395
4.39		15574	10942
4.422		94785	71460
4.446		3164	1157
4.464		20134	13678
4.489		16192	9997
4.515		10799	8484
4.59		20466	20438
4.641		95577	75113
4.691		29731	26924
4.72		26200	22086
4.752		6574	6944
4.793		4119	4141
4.868		6596	9441
4.94		10758	8509
4.965		6660	4880
5.014		7466	8736
5.053		2499	1734
5.085		24854	19223
5.113		1998	1271
5.135		19978	16000
5.207		65194	62047
5.32		1323	1250
5.349		6049	7403
5.391		9943	9632
5.5		2425	4451
5.549		99497	87921
5.617		111937	107810
5.666		23064	27938
5.772		6376	5992
5.834		1158	1074
5.887		1343	2874
5.922		2167	1741
5.972		103720	92860
6.004		3366	2573
6.027		1828	2782
6.133	DCB	9767917	8774879
6.259		1667	1279
6.324		2252	2892
6.474		2147	1520
6.588		11850	19484
6.68		2135	2678
6.849		1638	9125

AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082

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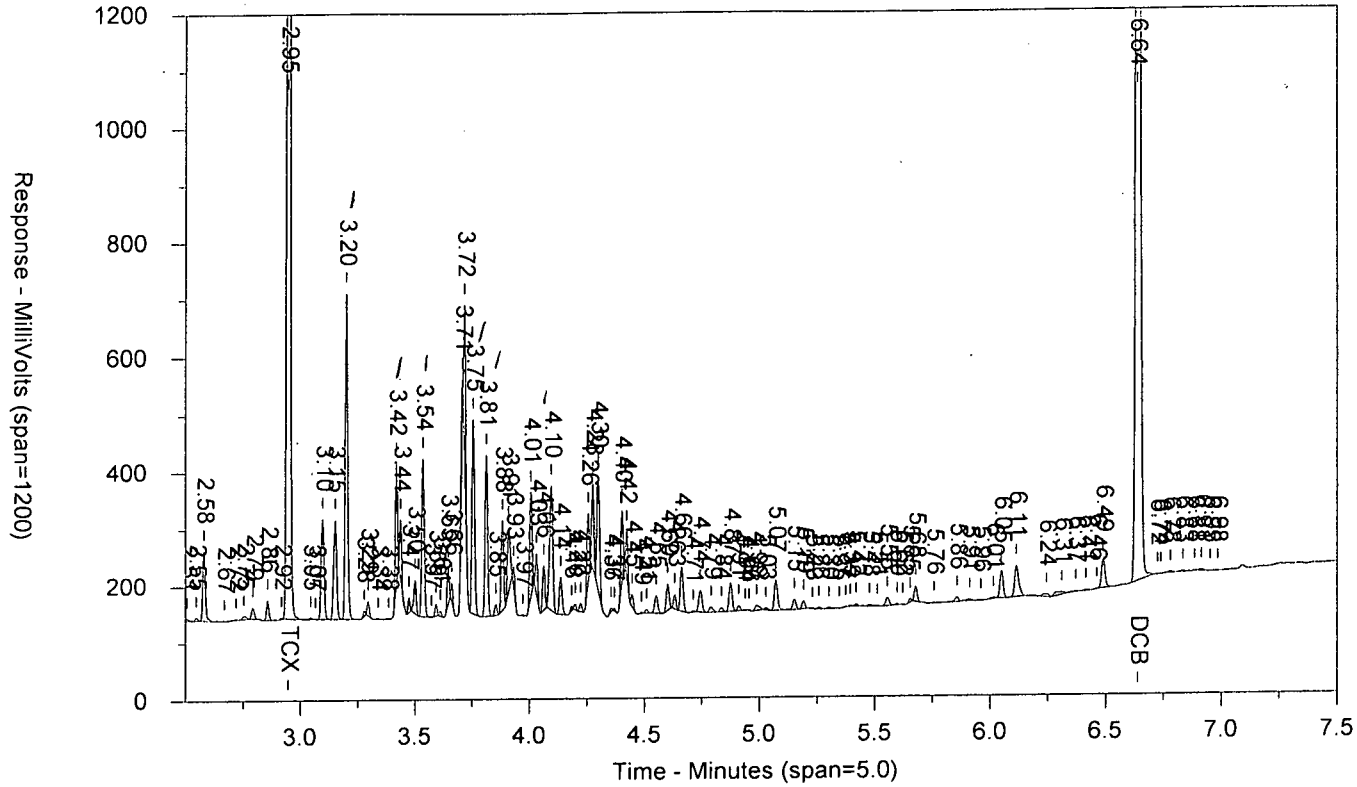

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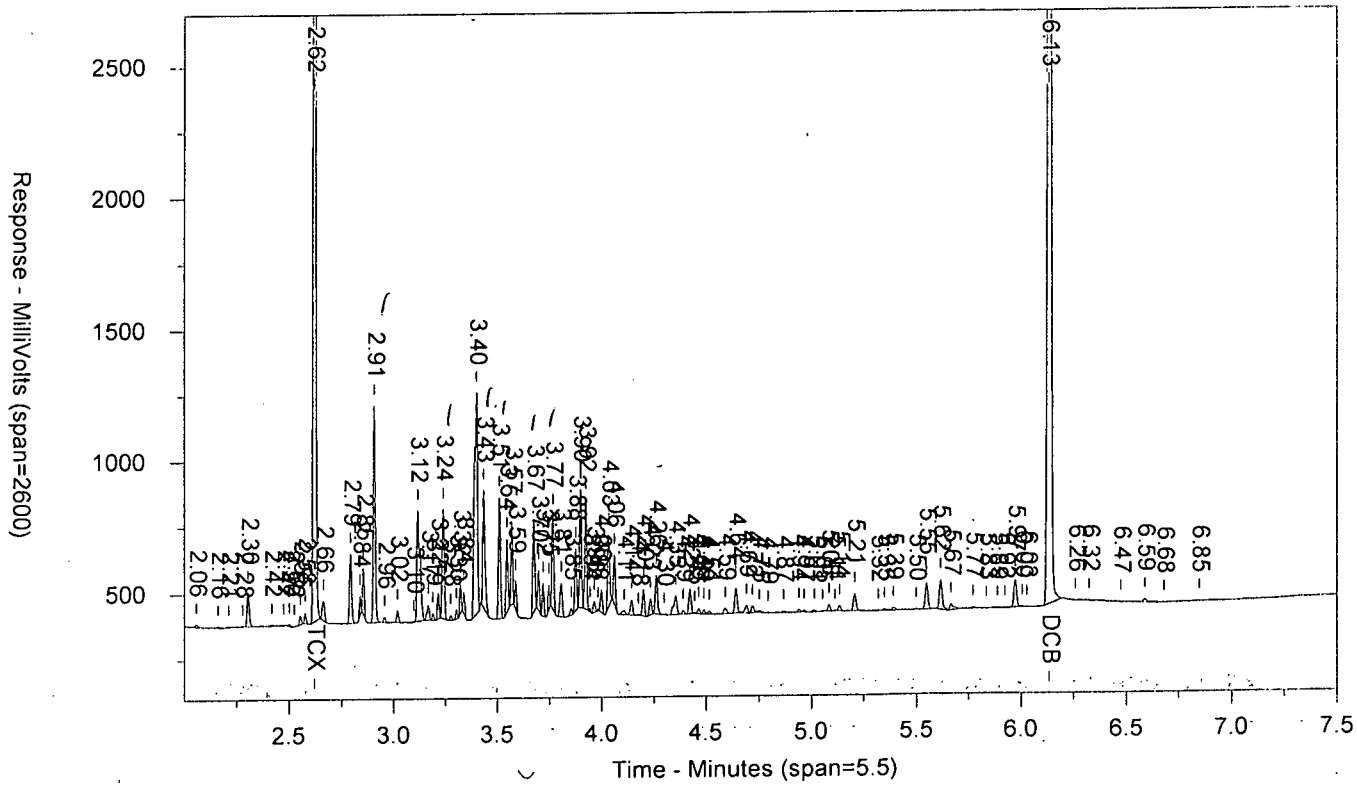

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:13:50 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	6042044	43.227	TCX	2.62	8534095	44.815	TCX
6.638	4334713	43.485	DCB	6.133	9767917	41.437	DCB

Files:
Area File: 25pcbs17116001.025.RAW
Area File: 25pcbs17116001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:22:21 PM
File Reported On: 4/26/2017 at 6:22:31 PM

AR3231724A AAAR323AA ICAL 1711599999 10736 SW-846 8082

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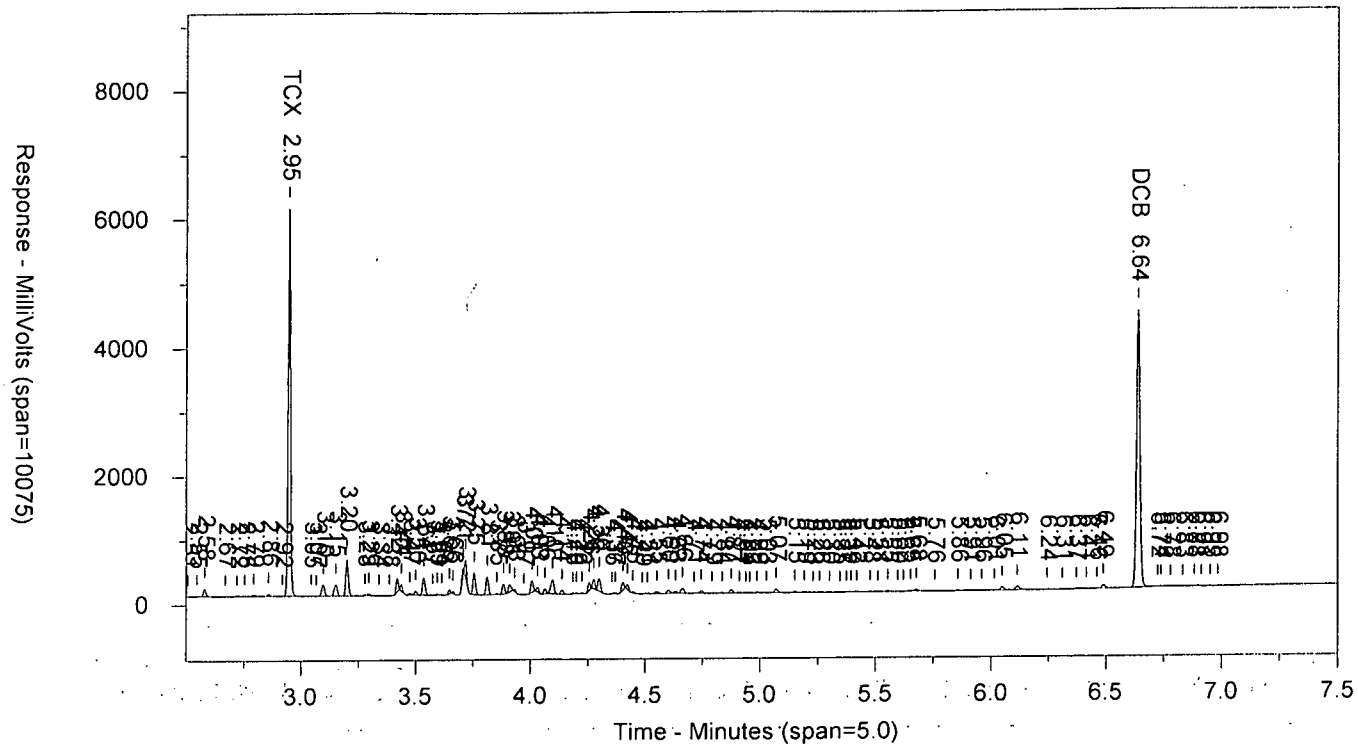

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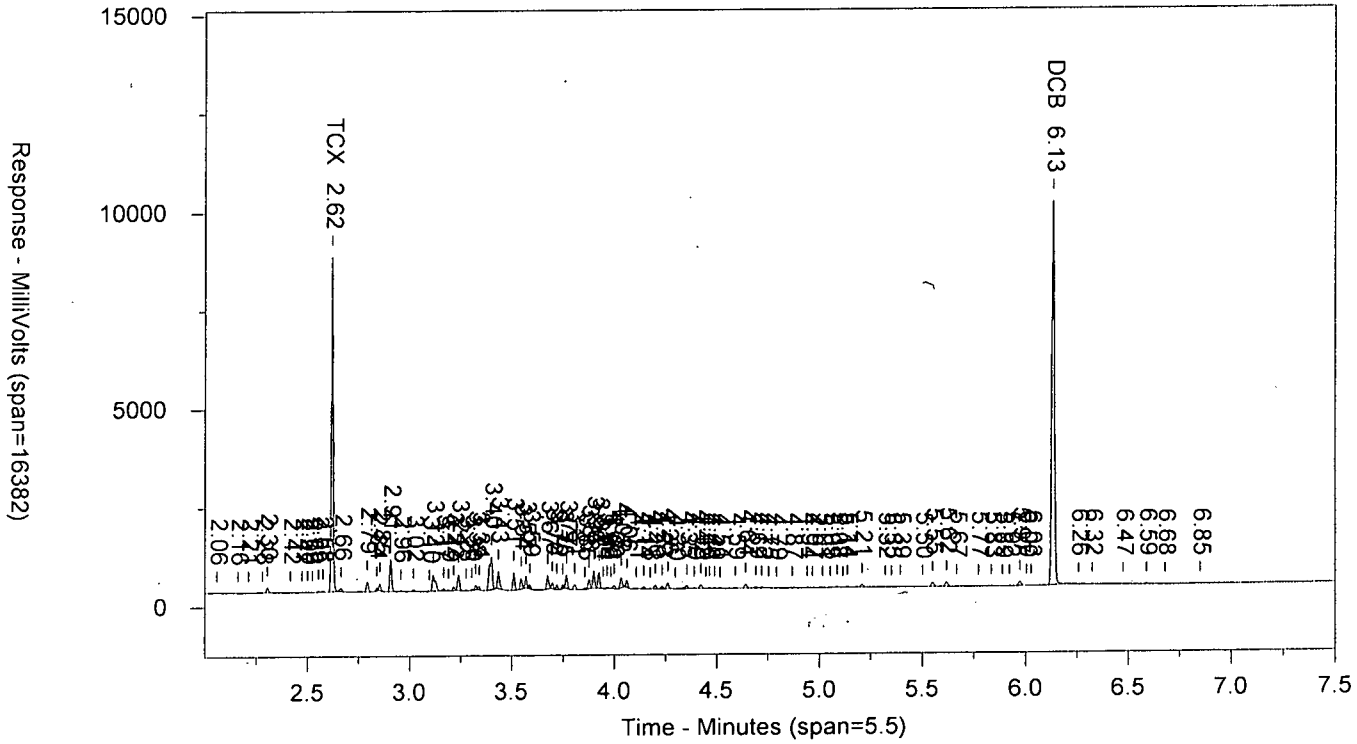

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		8479	10322
2.09		3464	11153
2.239		26164	20769
2.306		662	556
2.34		21341	23149
2.407		736	718
2.442		613	699
2.505		3271	2443
2.521		2261	1032
2.546		2989	2699
2.58		5795	5105
2.675		683	612
2.719		796	1149
2.761		2146	2992
2.791		14586	13973
2.891		1133	1139
2.915		2609	1681
2.945	TCX	5905994	4118459
3.043		2493	2122
3.066		1658	918
3.094		73654	64914
3.148		114326	113487
3.198		395986	292096
3.235		898	596
3.276		6754	3483
3.292		45585	29648
3.335		1070	583
3.379		392	280
3.416		367334	227812
3.433		164327	94758
3.47		47336	27436
3.487		3251	1282
3.497		24571	13003
3.532		468454	373655
3.569		1876	811
3.589		20471	12202
3.608		16495	10070
3.643		104014	60807
3.658		48943	25433
3.702		181802	109697
3.712		482659	256771
3.75		567716	448963
3.807		486802	384903
3.85		38944	28508
3.878		300025	231061
3.905		216876	180173
3.927		63371	35123
3.965		2173	1875
4.002		357454	266799
4.026		124771	83975
4.059		142114	104101
4.092		410804	397122
4.132		125655	106566
4.18		17027	10899

RT A	Compound A	Height A	Area A
4.194		4253	2036
4.219		34406	25389
4.252		233756	163117
4.272		315705	194935
4.295		372342	300982
4.352		9980	6487
4.365		10646	6933
4.399		225851	172025
4.419		123593	81079
4.443		58179	39331
4.484		4277	2934
4.507		14340	10578
4.548		75857	69283
4.597		109740	94225
4.629		63453	47464
4.66		169501	155110
4.708		1468	947
4.741		80883	80159
4.786		12130	16428
4.831		19474	17573
4.871		133468	124271
4.907		9193	7253
4.951		12304	15334
4.984		14501	20745
5.023		6581	5905
5.067		131509	127245
5.117		3449	2567
5.147		18594	18993
5.187		33167	28622
5.209		2029	915
5.226		1844	1285
5.255		687	419
5.327		1270	3030
5.391		13907	15080
5.415		1836	983
5.446		1038	919
5.473		855	523
5.501		1389	1621
5.551		14410	14629
5.587		8241	7307
5.612		1413	1032
5.65		1390	882
5.674		27662	24534
5.704		1844	1358
5.744		474	122
5.774		652	326
5.8		470	292
5.829		545	195
5.854		4702	5083
5.902		1924	3140
6.009		3120	3751
6.046		46197	45000
6.108		54830	63428
6.165		636	321
6.246		1600	3410
6.3		3209	5971
6.377		623	1001
6.412		1748	2186
6.437		511	241
6.484		51377	54508
6.533		577	451
6.574		890	1430
6.634	DCB	4011813	4250139
6.736		875	640
6.776		627	949
6.802		840	180

RT A	Compound A	Height A	Area A
6.824		2926	4387
6.904		2868	6054

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9031	8273
2.211		6161	5565
2.304		6167	6607
2.359		1536	2372
2.417		2728	2722
2.499		11569	12199
2.554		25686	34278
2.598		2041	1057
2.621	TCX	7995129	4867787
2.665		42975	29989
2.793		110400	79459
2.84		74711	37760
2.855		96503	49353
2.907		549511	350618
2.957		20272	13161
3.018		75823	50384
3.046		1582	1912
3.115		711672	714054
3.167		87448	55143
3.188		41722	24337
3.214		64464	36892
3.238		697718	476604
3.275		32412	19560
3.303		35026	18065
3.322		179156	94471
3.337		109823	54604
3.398		1453095	1496200
3.432		793225	616080
3.507		809315	519239
3.542		522761	330890
3.566		607996	337942
3.584		198004	100831
3.67		676648	451737
3.694		263924	148148
3.715		251545	151423
3.744		162668	85037
3.761		647038	394129
3.802		226746	175983
3.851		47182	33014
3.872		451712	280557
3.895		847301	566200
3.92		793897	518636
3.96		59129	34851
3.979		13772	5972
3.994		181480	119407
4.03		518416	371378
4.058		353673	216172
4.104		32812	31059
4.14		126308	101414
4.172		4760	2593
4.196		213497	162250
4.23		138706	97909
4.258		308150	232054
4.295		5871	5335

RT B	Compound B	Height B	Area B
4.336		18470	10773
4.351		107419	69788
4.387		39689	29403
4.419		235344	184405
4.46		16810	10738
4.486		21749	13540
4.511		25183	18858
4.586		32531	30437
4.613		5492	2982
4.637		224529	177046
4.689		32750	31141
4.717		68364	63234
4.763		10945	8059
4.803		1802	3069
4.863		3875	4686
4.905		4175	3408
4.939		3842	2556
4.962		27861	22532
5.004		4476	4817
5.047		1974	1026
5.082		24019	19434
5.11		16567	12498
5.131		4173	2425
5.204		62882	58345
5.326		1252	1288
5.345		2905	3500
5.389		7003	9531
5.488		1194	960
5.546		91981	82029
5.614		106135	92922
5.663		16743	14150
5.968		99800	87260
5.999		3518	2418
6.09		1346	1034
6.129	DCB	9405707	8393043
6.308		2749	14830
6.583		9565	10619
6.844		1302	1911

AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082

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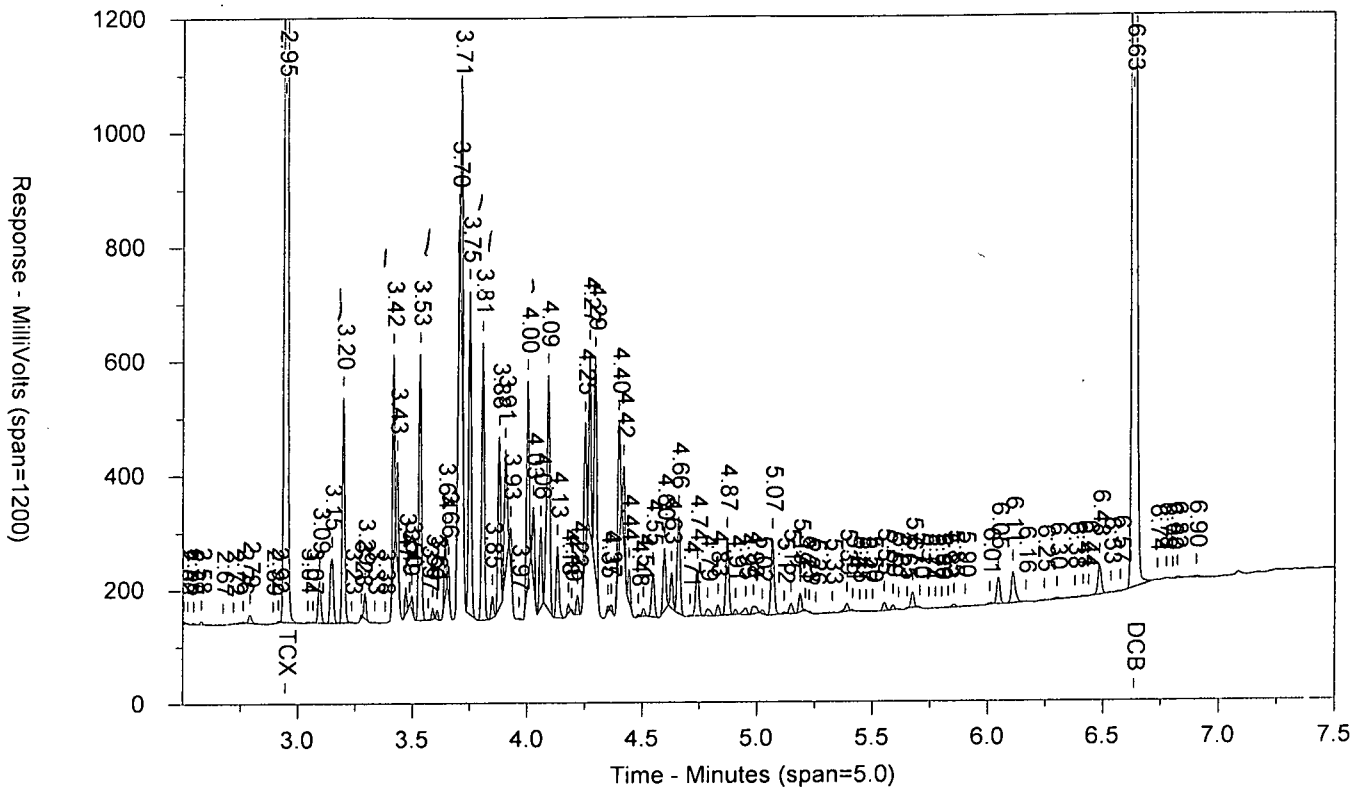

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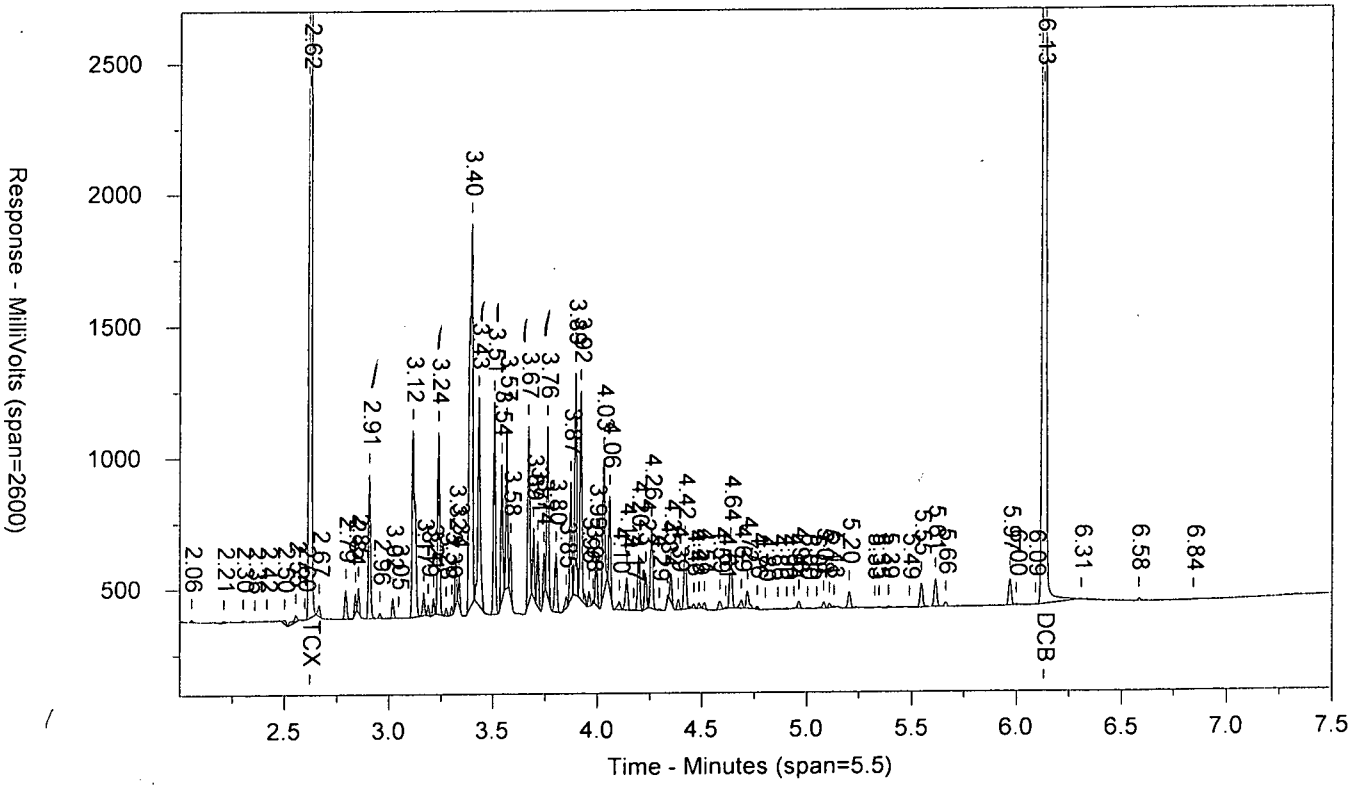

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5905994	42.254	TCX	2.621	7995129	41.985	TCX
6.634	4011813	40.246	DCB	6.129	9405707	39.9	DCB

Files:
Area File: 25pcbs17116001.026.RAW
Area File: 25pcbs17116001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:33:39 PM
File Reported On: 4/26/2017 at 6:33:49 PM

AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082

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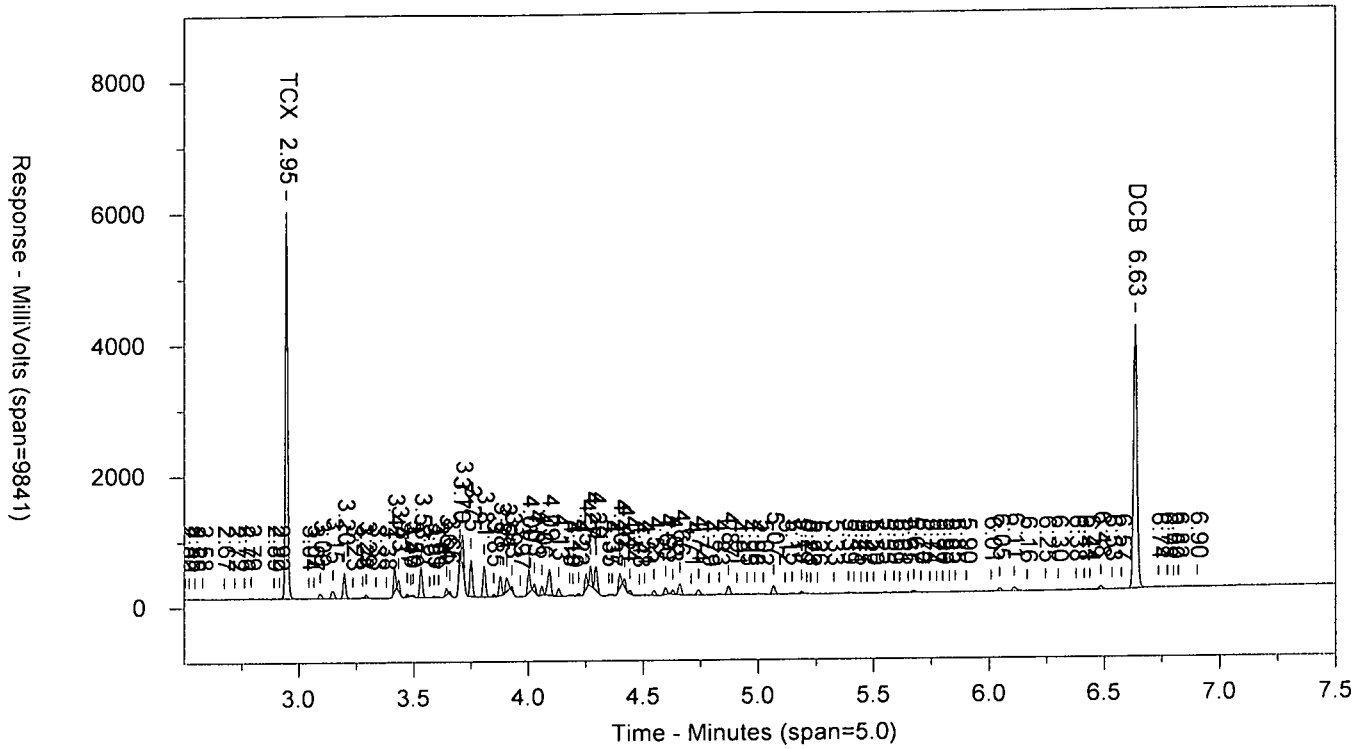

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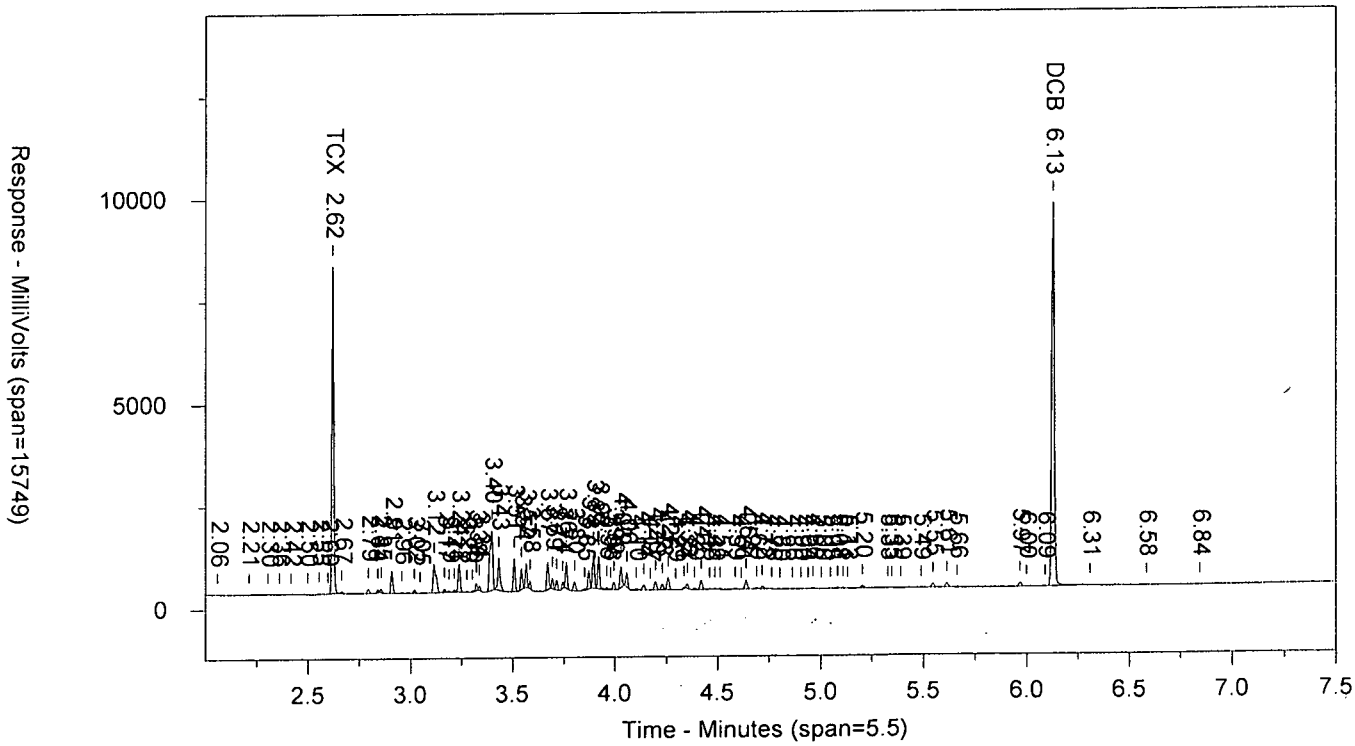

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		647	505
2.045		11370	12070
2.091		4533	9710
2.168		1176	1051
2.239		29151	22806
2.339		34429	31063
2.445		627	706
2.505		4981	4124
2.544		3690	2906
2.579		5761	3810
2.643		314	224
2.666		1201	1203
2.713		2695	2248
2.755		4459	6139
2.79		25436	25487
2.858		1414	954
2.889		1078	719
2.914		3374	2140
2.945	TCX	6310038	4462720
3.045		3134	2782
3.066		1637	900
3.093		89267	78448
3.148		134777	132321
3.197		499464	365172
3.233		773	414
3.275		6969	3510
3.291		60842	40002
3.334		1273	838
3.364		914	818
3.415		466225	291319
3.432		211834	118999
3.47		58867	34754
3.485		5437	1897
3.496		29397	15761
3.531		601188	477790
3.568		2376	1091
3.588		22078	13026
3.607		17862	10468
3.642		129296	76112
3.657		61517	31716
3.701		228098	148347
3.711		624980	313796
3.749		726004	560949
3.807		633897	494726
3.849		49687	36214
3.878		376694	286260
3.905		277128	232415
3.927		71906	39094
3.967		2024	1742
4.002		452531	330882
4.026		152548	102818
4.058		174389	129218
4.091		488678	478359
4.131		153557	130602

RT A	Compound A	Height A	Area A
4.179		13442	8831
4.194		5895	3046
4.218		23819	16739
4.252		142374	101512
4.271		125474	79539
4.295		134828	107239
4.354		1247	1566
4.366		2596	1639
4.399		44394	54961
4.442		3365	2396
4.512		467	503
4.547		2761	3652
4.6		3787	5728
4.658		5899	7319
4.742		1214	1493
4.837		336	381
4.87		3187	3043
4.906		12376	15445
4.962		1459	1349
5.021		4278	7187
5.064		5391	5075
5.093		813	583
5.147		19841	18977
5.189		1321	1183
5.23		934	834
5.275		399	253
5.317		563	996
5.368		1996	1934
5.392		954	550
5.415		535	449
5.444		1217	1169
5.477		2385	2316
5.55		15908	16889
5.601		440	502
5.624		3779	4035
5.673		33209	31033
5.701		1494	1374
5.755		629	566
5.82		448	191
5.853		2278	3017
5.901		934	916
5.914		470	276
5.954		1063	1275
6.009		2666	3208
6.045		48699	45454
6.081		16077	12681
6.108		51114	55404
6.238		8693	15009
6.299		5828	16779
6.372		994	1798
6.411		1875	2231
6.457		786	816
6.483		49917	53858
6.536		441	333
6.577		497	1151
6.633	DCB	4471933	4696004
6.685		1435	659
6.714		829	288
6.766		654	1039
6.78		1447	1558
6.812		895	229
6.828		1806	2267
6.873		547	296
6.906		2556	3639
6.96		588	625

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		11085	10219
2.21		2848	3044
2.242		1377	1454
2.278		2576	1664
2.305		6562	4795
2.418		4626	6875
2.47		3224	2103
2.5		19082	15943
2.537		6042	15019
2.554		47423	42946
2.62	TCX	8697364	5323722
2.665		54489	38579
2.71		1826	1479
2.792		132803	93318
2.839		74963	36323
2.854		116742	62505
2.906		686782	441792
2.956		21592	13463
2.997		3144	1830
3.018		94126	60980
3.115		910100	913721
3.166		112429	71110
3.188		52280	30384
3.214		80056	45513
3.237		920097	620426
3.275		32919	18888
3.302		34890	17505
3.321		229272	121641
3.337		139708	70893
3.367		1920	1164
3.397		1961090	1967774
3.431		977997	660837
3.507		1062607	676741
3.542		646589	420060
3.566		763046	428461
3.584		241884	127295
3.67		863451	580785
3.694		344819	190709
3.715		305908	179793
3.744		205832	104839
3.761		792294	479879
3.802		281135	208995
3.85		38280	35590
3.872		219209	137751
3.895		462352	299091
3.92		228836	140444
3.94		33933	17310
3.96		33303	22233
3.994		20209	12168
4.029		28485	15541
4.043		24827	21669
4.093		11015	9723
4.172		4894	3380
4.233		4813	10270

RT B	Compound B	Height B	Area B
4.257		5762	6356
4.333		2067	1846
4.386		1119	926
4.42		5101	4174
4.46		25320	23370
4.513		4406	7357
4.571		1873	1383
4.588		2116	1659
4.64		5249	3941
4.666		7844	5325
4.689		28514	21177
4.743		1595	3113
4.763		3416	2759
4.829		4176	6142
4.865		6497	5345
4.939		2988	2609
4.963		2110	1350
5.004		4183	5941
5.081		32974	28995
5.121		2863	3376
5.16		1465	953
5.204		69790	69213
5.344		6381	25567
5.448		6858	34111
5.496		2301	2230
5.544		119971	129480
5.614		123335	125883
5.663		30232	59673
5.772		1655	1590
5.828		868	706
5.863		3446	4280
5.968		103421	89754
6.002		3852	2545
6.025		2241	1623
6.094		1564	1129
6.128	DCB	10351090	9317611
6.352		1732	1771
6.47		2013	1144
6.506		1744	3087
6.583		11591	16107
6.686		1682	3544
6.758		2383	3633
6.87		1311	930
6.896		1288	1213

AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082

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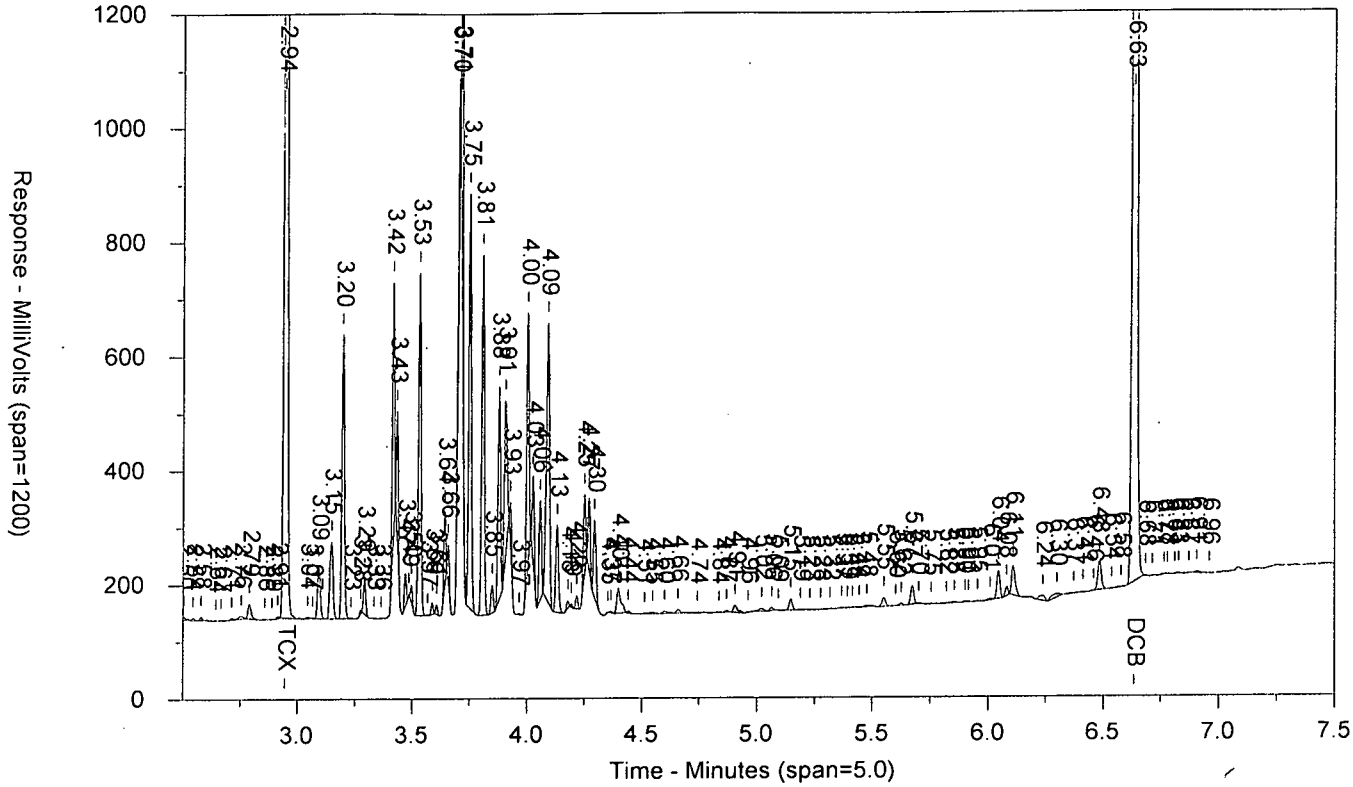

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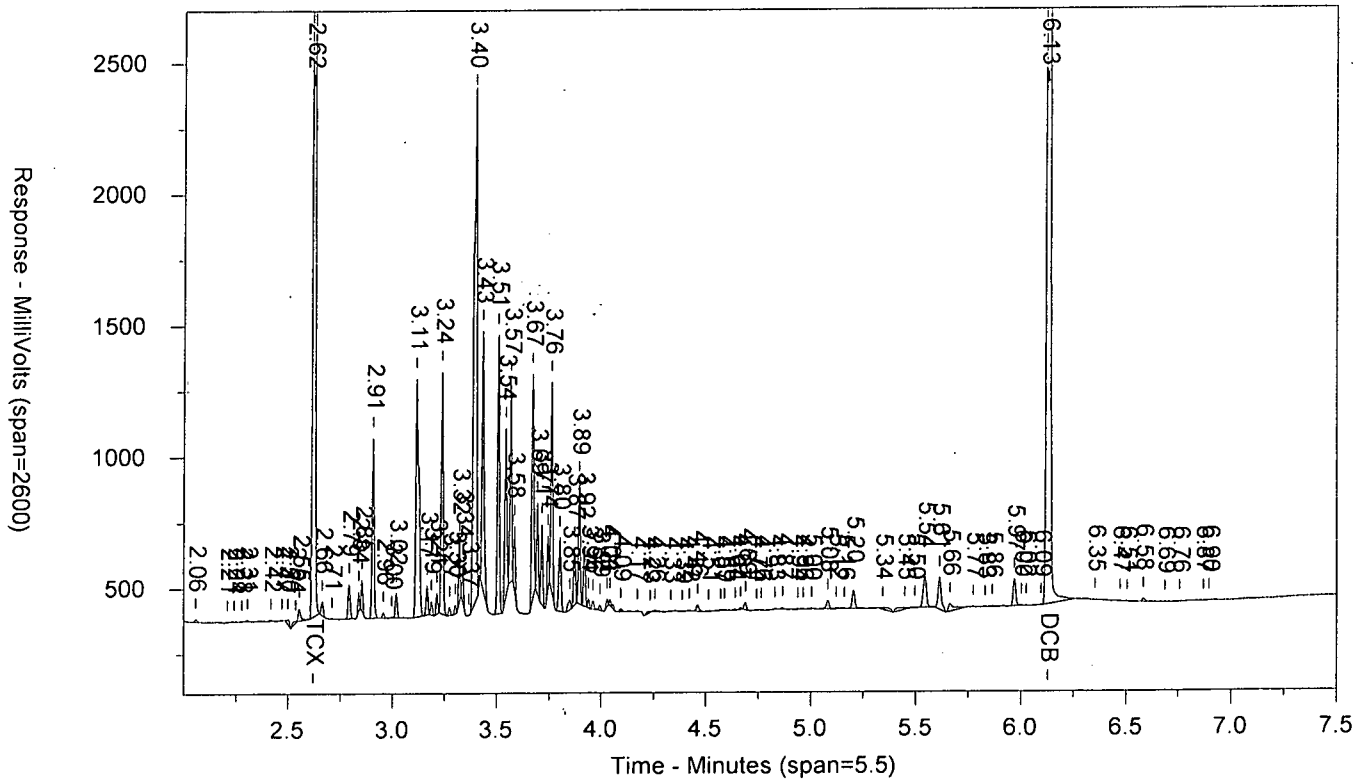

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:36:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	6310038	45.145	TCX	2.62	8697364	45.673	TCX
6.633	4471933	44.861	DCB	6.128	10351090	43.911	DCB

Files:
Area File: 25pcbs17116001.027.RAW
Area File: 25pcbs17116001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:44:58 PM
File Reported On: 4/26/2017 at 6:45:05 PM

AR16XX1724A AAAR16XAA ICAL 1711599999 10736 SW-846 8082

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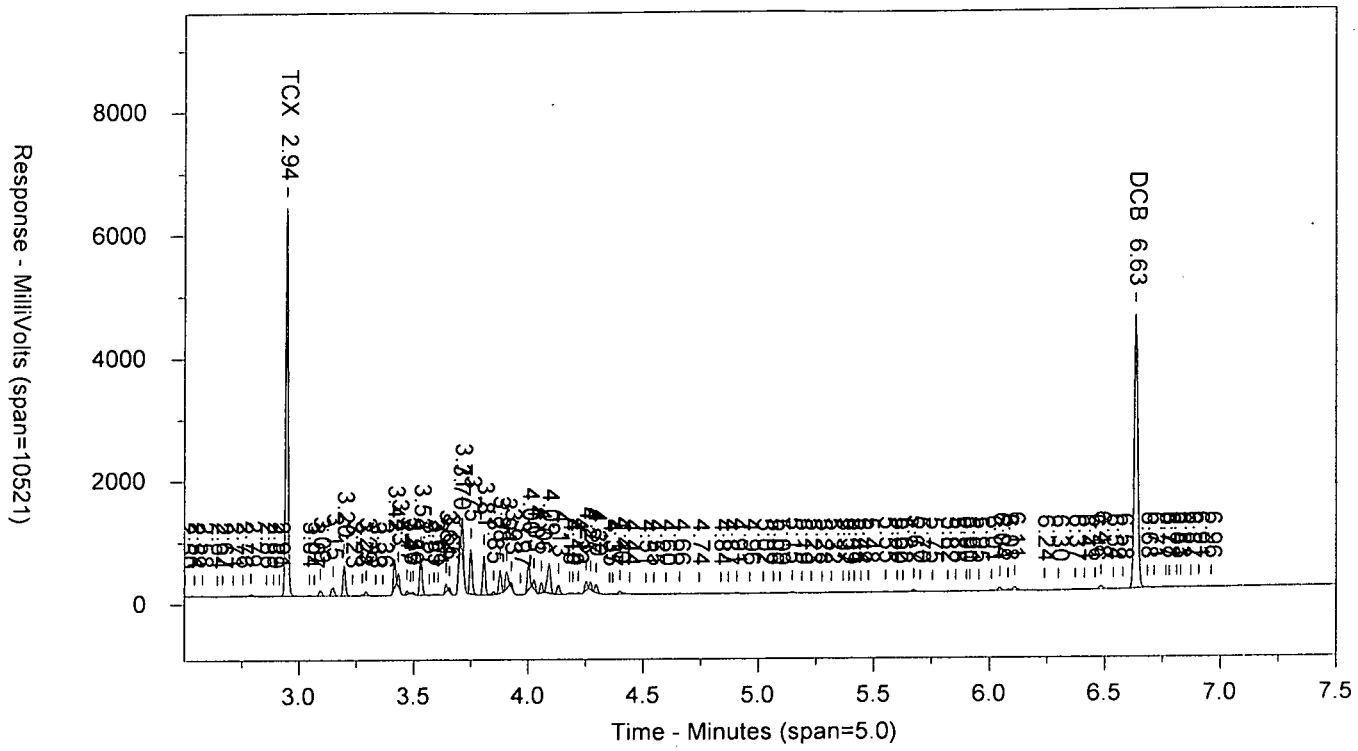

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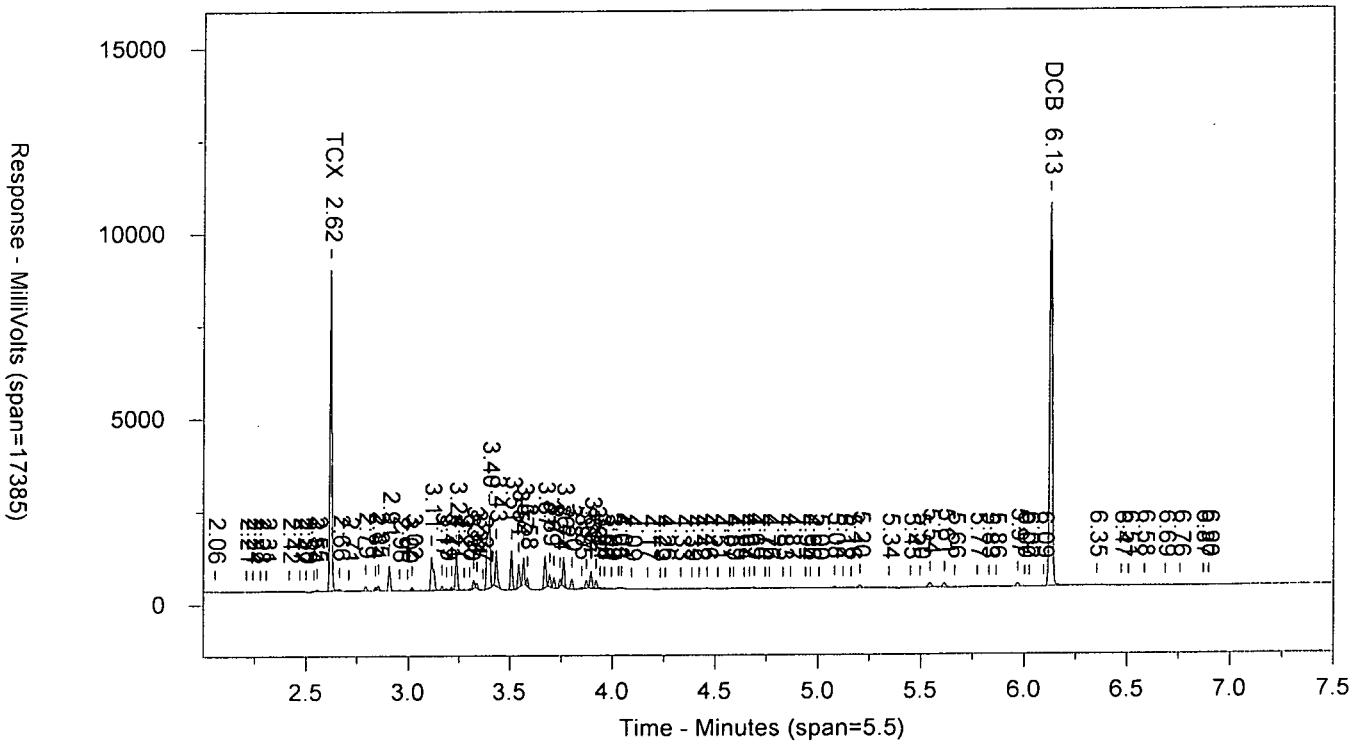

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		1132	1061
2.044		10567	10493
2.094		11925	24275
2.166		1053	1657
2.306		413	458
2.339		49072	35302
2.401		446	115
2.414		675	377
2.505		5650	5830
2.543		3388	3068
2.601		1875	1304
2.647		370	157
2.718		1190	1096
2.752		5354	6589
2.79		15727	13733
2.888		715	582
2.914		3936	3068
2.944	TCX	121328	85905
2.982		1216	730
3.009		782	482
3.044		1022	1312
3.094		4954	5208
3.149		6531	5612
3.197		30217	20980
3.29		6636	8298
3.381		777	598
3.415		27658	16911
3.432		13459	7270
3.469		3248	1972
3.495		3134	2745
3.53		36183	28101
3.59		537	280
3.607		1069	627
3.641		7696	6237
3.656		3566	1781
3.679		1272	492
3.7		19337	12391
3.711		34196	16238
3.748		41599	32088
3.806		36798	32258
3.877		27058	20915
3.905		16298	14244
3.926		4287	2038
3.966		3266	2949
4.001		29194	20622
4.025		9596	6166
4.056		10608	7568
4.09		28947	27257
4.13		8091	6150
4.194		16271	18199
4.252		26752	20079
4.269		3926	2057
4.297		16499	19443
4.365		4715	5898

RT A	Compound A	Height A	Area A
4.408		29775	29288
4.442		830	379
4.519		377	677
4.543		3874	3963
4.596		3694	2529
4.613		7572	5220
4.657		23638	22456
4.707		27373	29654
4.743		5982	4272
4.783		67029	62920
4.831		674	515
4.868		12265	12526
4.902		849	475
4.93		12772	11964
4.982		80615	95001
5.031		13905	13873
5.072		36165	41974
5.152		7285	8432
5.185		97063	100895
5.252		43907	41229
5.295		27192	26761
5.388		13007	10859
5.414		48502	43050
5.47		29416	26679
5.507		14589	13041
5.552		2754	2814
5.59		16465	19133
5.648		122149	136233
5.75		5000	5432
5.851		84144	77932
5.881		5441	3320
5.909		17712	19231
5.951		1569	2086
6.007		2758	3376
6.045		2151	2405
6.122		16678	27222
6.165		6115	21077
6.237		10660	20872
6.278		34800	37084
6.325		1894	1911
6.371		755	611
6.407		6977	8555
6.482		7886	7506
6.507		2928	1886
6.568		4110	4834
6.633	DCB	118856	127645
6.675		883	313
6.688		533	215
6.757		652	1301
6.784		1336	2446
6.825		2281	2973
6.909		3975	11021
6.969		1226	1257

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.003		2339	1759
2.127		1352	2159
2.161		3964	5666
2.215		2133	3664
2.246		1524	1779
2.281		847	870
2.366		1801	1628
2.416		3445	3550
2.462		1026	679
2.503		6070	6162
2.524		3304	1831
2.554		25103	20188
2.62	TCX	148620	93935
2.665		3405	3340
2.71		2327	3096
2.793		6155	3976
2.837		2589	1709
2.855		8680	5462
2.907		41599	26521
2.998		3620	2373
3.019		4885	6057
3.092		1703	2722
3.115		58774	57315
3.167		6382	5037
3.191		3342	2387
3.214		3972	2224
3.237		58313	38283
3.274		9054	9813
3.321		15576	18997
3.338		26094	15305
3.397		105215	116359
3.432		64713	52552
3.467		1883	803
3.507		62951	40647
3.542		46799	29662
3.566		50595	28702
3.583		14445	7420
3.67		50109	33076
3.693		27077	17309
3.716		15535	8049
3.743		15245	7350
3.76		46203	27596
3.801		17519	12756
3.842		8824	7349
3.872		13078	7648
3.894		67663	44902
3.919		15521	9597
3.96		43141	36171
3.993		56408	39087
4.029		3016	1968
4.042		3827	2100
4.093		11213	9047
4.139		8890	8405
4.167		3033	2617

RT B	Compound B	Height B	Area B
4.194		20291	14150
4.239		15743	13133
4.257		15623	7984
4.27		36290	21088
4.296		24221	23950
4.348		130022	102188
4.418		15149	10337
4.442		31007	22594
4.485		145789	116288
4.587		118577	114202
4.612		5790	3223
4.641		16058	11560
4.679		38642	41968
4.715		152291	132470
4.748		75914	56797
4.787		52149	43491
4.863		14893	11484
4.886		14757	12995
4.937		102193	82274
4.961		15325	10329
5.011		58376	52596
5.046		29456	23502
5.075		19040	14873
5.108		9853	5880
5.13		212125	187482
5.173		6332	5174
5.203		9824	7598
5.24		2052	1718
5.27		1297	1050
5.295		1781	1000
5.322		3590	2306
5.345		49297	43675
5.385		73291	69493
5.414		8649	14884
5.497		9999	24064
5.543		8603	8303
5.588		9969	9444
5.663		30700	34189
5.714		4931	3732
5.769		63902	56065
5.798		6717	5553
5.835		1119	761
5.878		14163	13638
5.94		2072	1898
5.968		25868	25587
6.063		1109	3522
6.127	DCB	251629	223512
6.197		14709	54847
6.286		5644	19621
6.311		1832	1259
6.364		2298	7066
6.453		5947	9443
6.593		5992	41448
6.633		6776	10409
6.691		12130	24657
6.758		7197	22067
6.816		3076	7039
6.865		2919	2159
6.922		6669	16070

MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082

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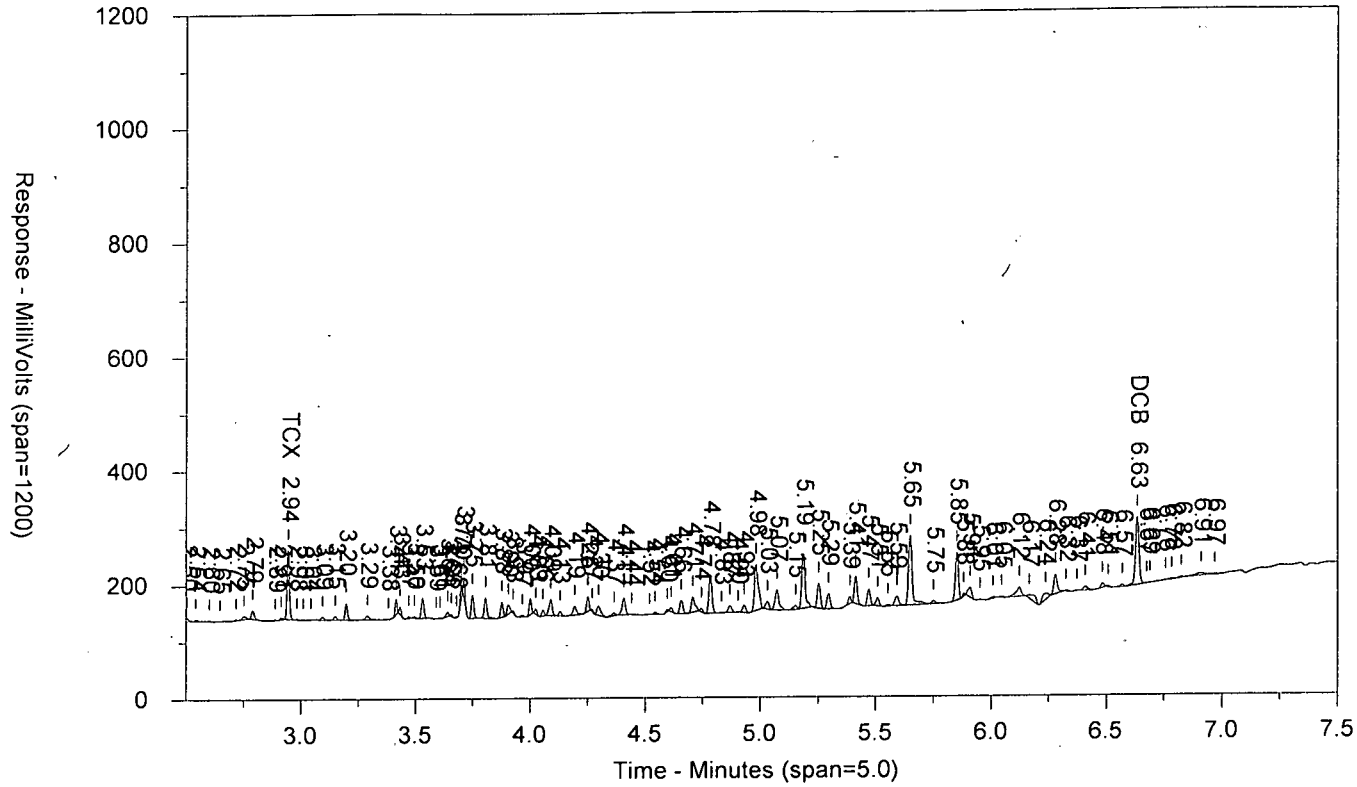

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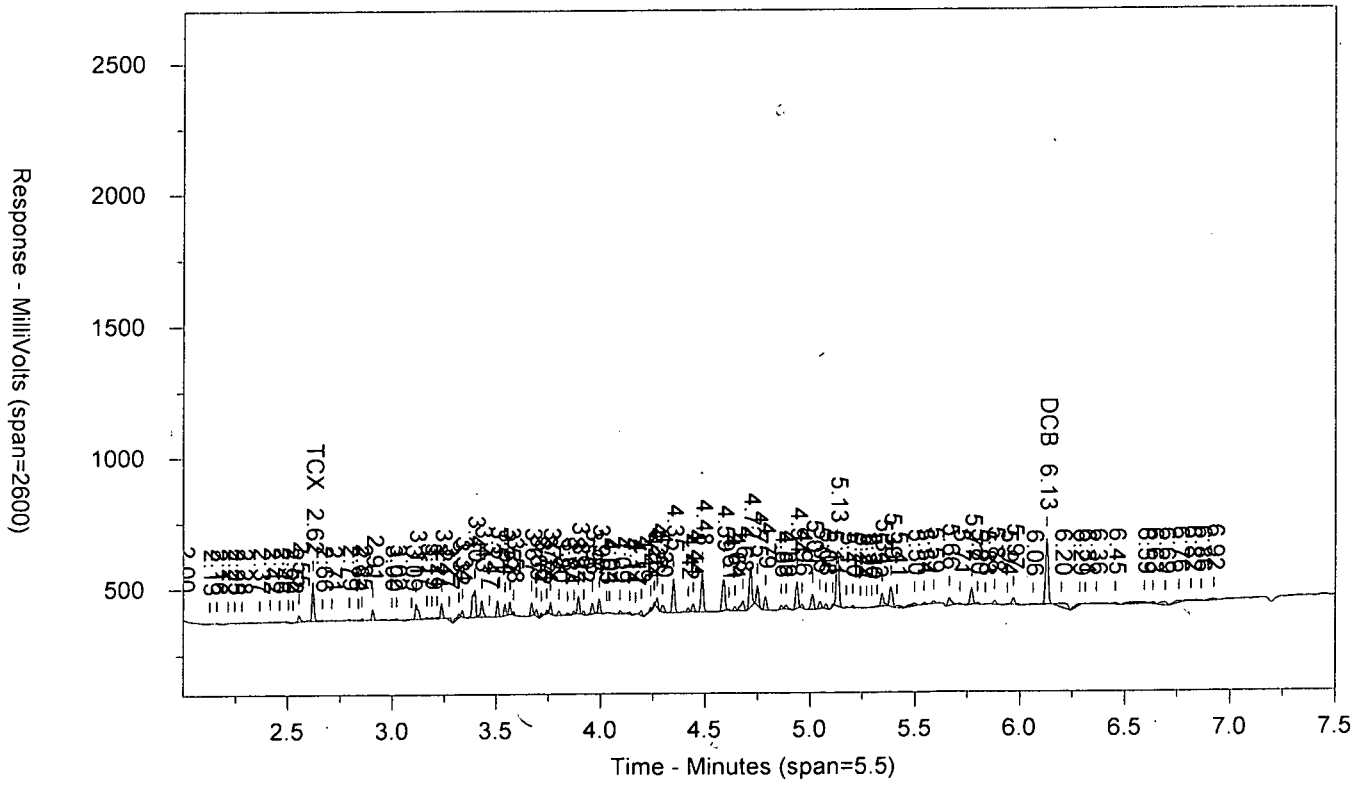

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	121328	.868	TCX	2.62	148620	.78	TCX
6.633	118856	1.192	DCB	6.127	251629	1.067	DCB

Files:
Area File: 25pcbs17116001.028.RAW
Area File: 25pcbs17116001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 6:56:18 PM
File Reported On: 4/26/2017 at 6:56:25 PM

MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082

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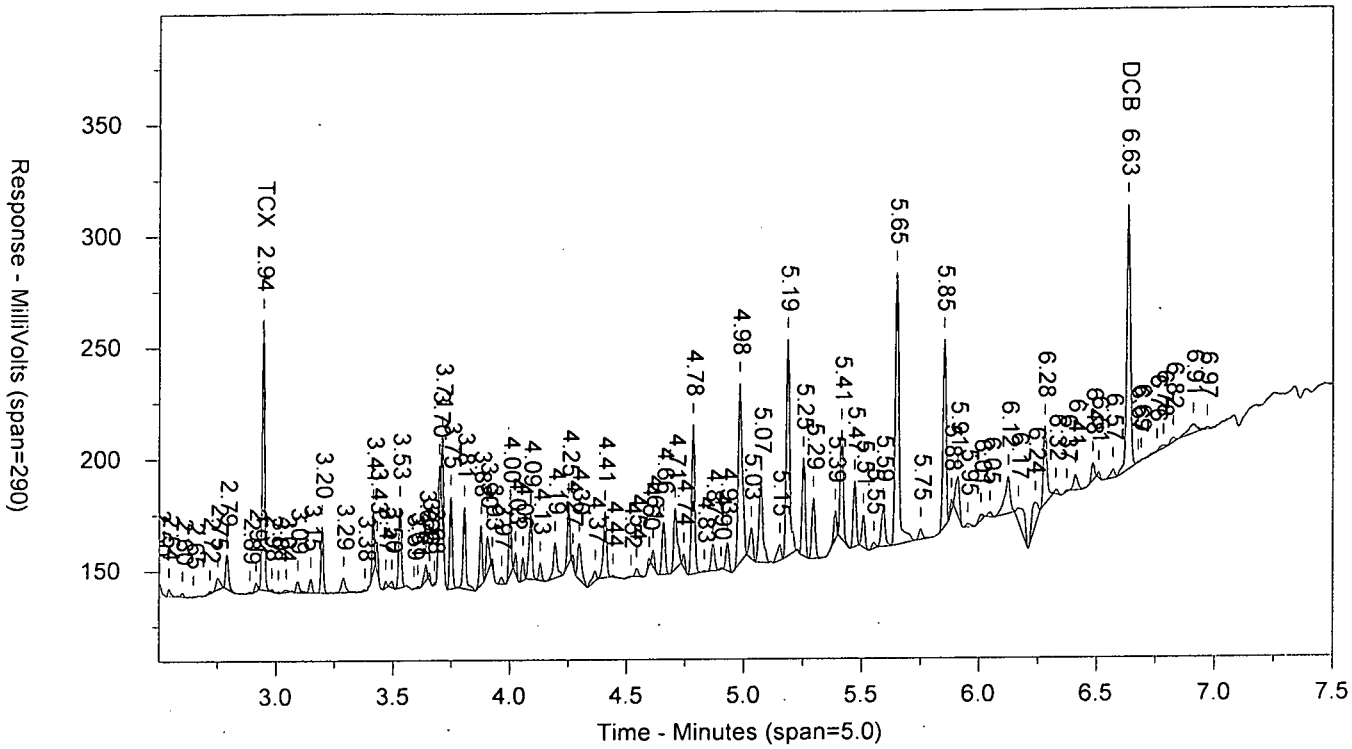

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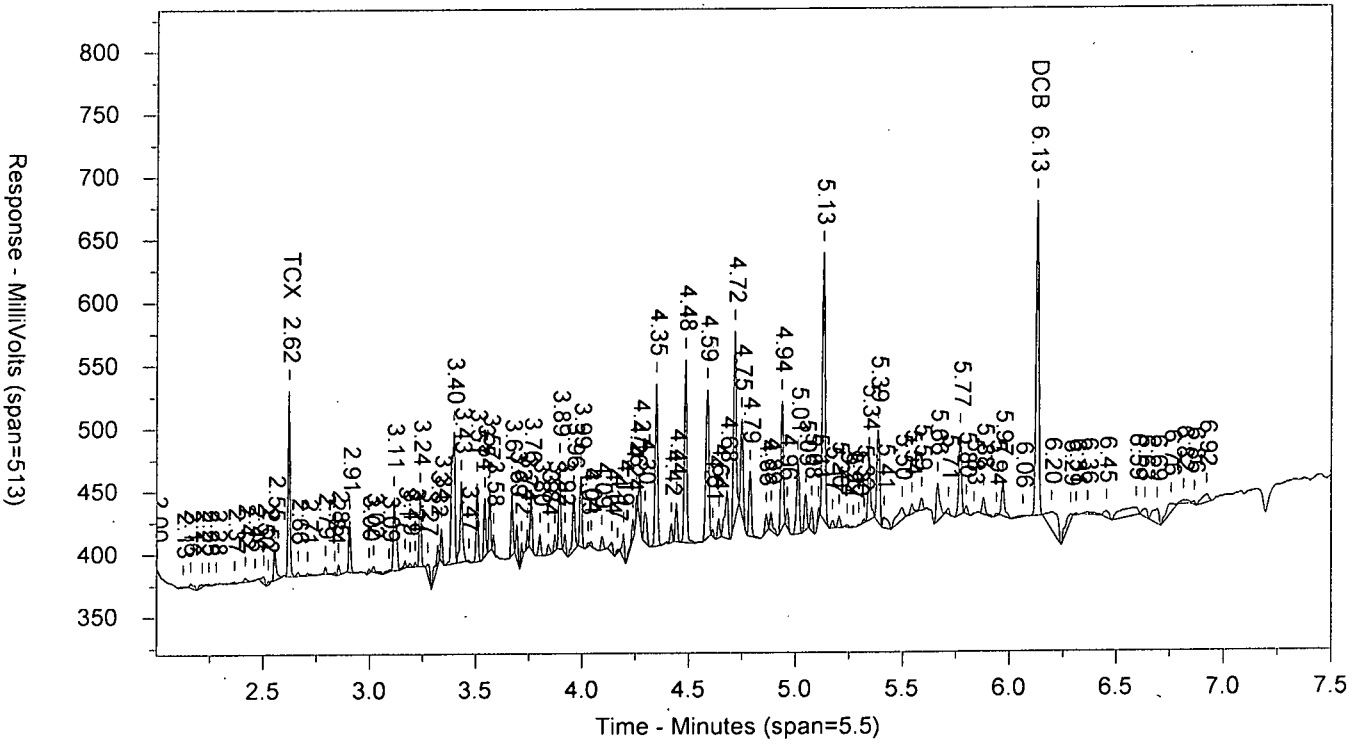

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.043		5489	6744
2.09		1773	2978
2.153		2073	2815
2.239		25558	20565
2.346		11942	12993
2.44		612	575
2.492		255	482
2.503		2167	1604
2.542		893	819
2.578		5694	3915
2.669		589	616
2.725		331	510
2.758		1976	2459
2.856		1295	1085
2.912		1477	1091
2.944	TCX	5723333	3979629
3.043		2407	2509
3.091		85137	73744
3.147		123480	118451
3.195		460315	340155
3.273		6521	3257
3.29		56507	37244
3.33		1456	1233
3.371		156	248
3.413		457032	285031
3.43		216220	116422
3.467		55683	32997
3.483		5536	2173
3.493		27461	14085
3.529		579228	458749
3.566		2228	1122
3.585		19161	11164
3.605		19413	11506
3.639		121657	72534
3.654		61890	30999
3.698		172427	124736
3.708		586866	316886
3.746		696301	536947
3.804		612519	475892
3.845		48486	35192
3.875		384638	289729
3.902		262129	227913
3.924		60201	33743
3.998		409659	312152
4.022		141381	93657
4.055		156931	114208
4.087		378512	380135
4.128		112664	92718
4.176		5142	2992
4.19		6975	4184
4.215		14652	9970
4.25		373212	389599
4.291		66275	53451
4.362		57250	50185

RT A	Compound A	Height A	Area A
4.405		397184	395740
4.439		10432	7204
4.5		4579	3784
4.541		52501	51685
4.594		40934	27717
4.61		114587	83868
4.655		252697	235527
4.705		424550	464801
4.741		86169	62263
4.78		906286	900984
4.825		9380	7815
4.865		146730	152010
4.901		14471	10347
4.927		173721	166667
4.979		1110259	1437335
5.031		224115	215375
5.069		532858	613334
5.148		123637	143636
5.183		1394159	1439619
5.225		17324	7999
5.251		656069	629681
5.292		398921	414465
5.386		176399	142872
5.411		741759	666463
5.467		394664	375719
5.506		224472	230280
5.547		49229	51923
5.588		237747	280205
5.645		1947349	2055737
5.746		1279	1626
5.793		1094	1066
5.849		1158314	1127538
5.879		74681	48272
5.905		245240	278746
5.946		2141	2177
5.998		1319	962
6.042		90215	90164
6.12		242900	359679
6.239		4379	12195
6.276		498886	526278
6.321		36642	34575
6.365		1116	1099
6.408		1967	2142
6.48		226363	240765
6.547		658	310
6.63	DCB	3995764	4110999
6.691		2427	2274
6.726		744	657
6.741		579	156
6.758		671	335
6.777		2242	2425
6.828		1593	2126
6.865		248	438
6.881		685	535
6.899		1373	2100
6.982		349	989

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9634	7953
2.244		1395	3266
2.305		5569	4036
2.417		1424	2180
2.577		2305	5393
2.621	TCX	7635530	4683940
2.665		48727	33701
2.793		125862	89411
2.839		68601	33766
2.854		106944	56586
2.906		635633	407419
2.956		19016	12211
3.017		91706	59542
3.081		1089	1032
3.114		894555	880683
3.166		106822	67542
3.187		52474	29728
3.213		72443	41689
3.237		886110	590961
3.273		36358	21365
3.301		30352	15195
3.32		221213	116520
3.336		120631	58493
3.386		475250	227306
3.396		1034233	459610
3.43		1015851	749943
3.505		1052205	649229
3.54		688117	427267
3.564		773775	428047
3.582		239614	121231
3.668		842024	562539
3.691		309574	171896
3.712		277532	169517
3.741		194251	101793
3.758		599665	354272
3.8		197144	144752
3.847		29430	28616
3.87		94643	56635
3.892		757786	493069
3.917		114368	68346
3.937		16316	7447
3.957		126300	85244
3.991		728499	523320
4.026		36025	21848
4.041		42909	31581
4.092		9174	11111
4.136		58328	72261
4.169		5774	3223
4.194		188458	135227
4.236		225046	137368
4.254		158437	76839
4.268		621164	362344
4.294		354716	346507
4.346		2023290	1509109

RT B	Compound B	Height B	Area B
4.394		28028	26325
4.416		143597	95646
4.44		424696	315510
4.483		2284273	1785995
4.586		2034442	1857170
4.639		235545	196986
4.677		531108	474277
4.713		2492175	2068604
4.746		1257391	894194
4.784		838641	660389
4.884		301025	308474
4.935		1694020	1320024
4.959		177898	113443
5.009		859915	795561
5.045		425098	340519
5.074		328169	272275
5.107		105846	62659
5.128		4167328	3305464
5.17		82110	62612
5.201		182660	154145
5.281		2416	1461
5.319		44928	27438
5.343		802045	666098
5.387		2076658	2308066
5.489		4140	6351
5.543		173495	153193
5.588		64798	45900
5.611		136719	104947
5.66		471311	408255
5.767		1096752	907453
5.798		63572	49090
5.919		2526	1639
5.966		463107	415312
6.088		1157	1173
6.126	DCB	9365008	8139835
6.267		1193	1095
6.302		7007	11468
6.514		1326	839
6.581		10114	9782
6.634		1831	1132
6.754		3076	5631
6.928		1929	4799

IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082

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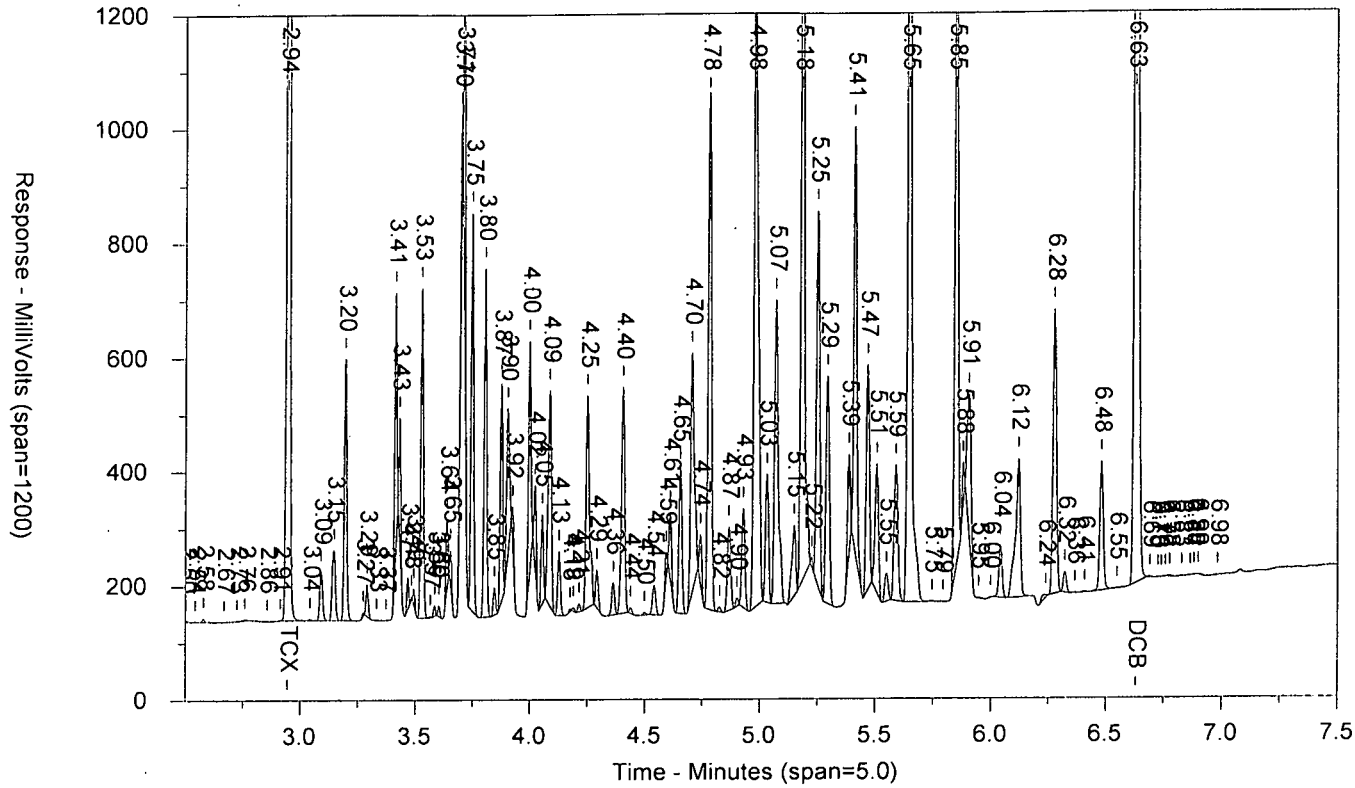

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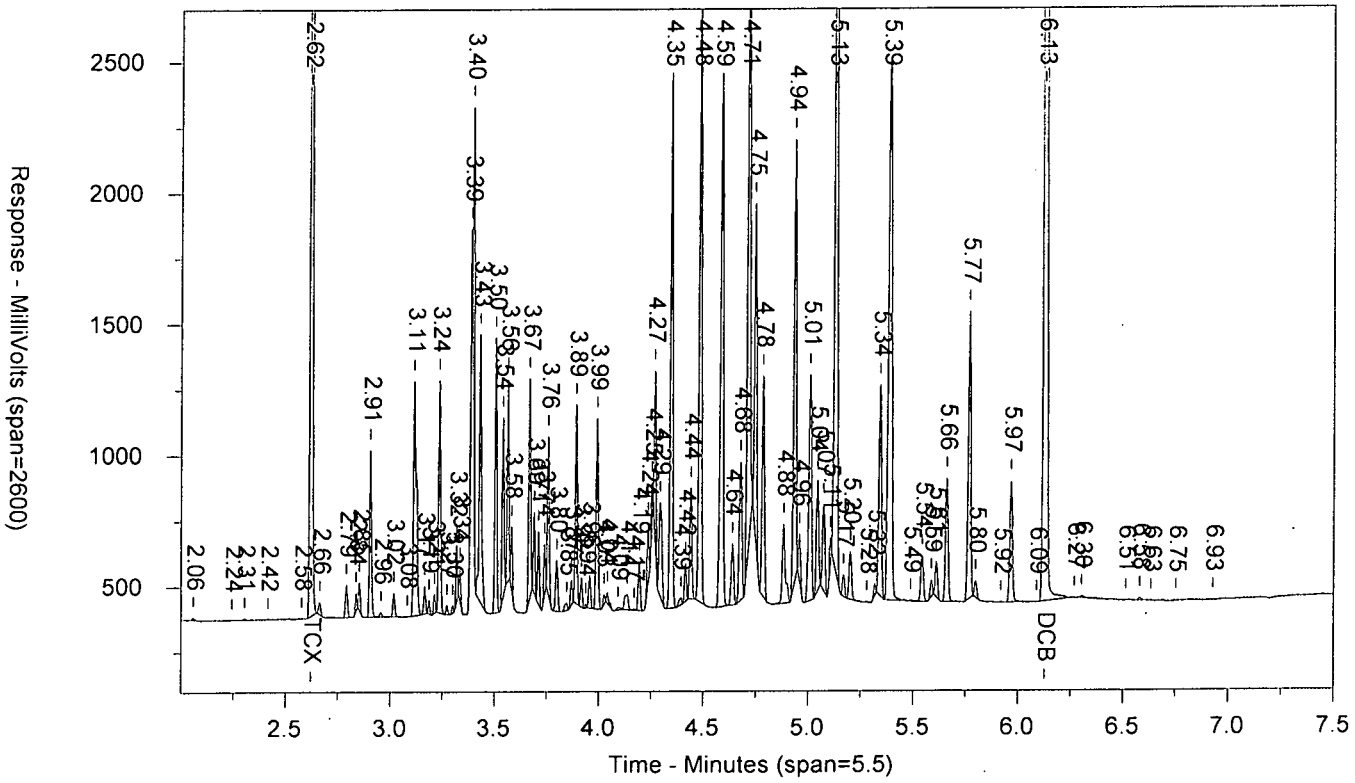

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:58:56 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	5723333	40.947	TCX	2.621	7635530	40.097	TCX
6.63	3995764	40.085	DCB	6.126	9365008	39.728	DCB

Files:
Area File: 25pcbs17116001.029.RAW
Area File: 25pcbs17116001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:07:26 PM
File Reported On: 4/26/2017 at 7:07:35 PM

IC16X1724A AAIC16XAA CCAL 1711599999 10736 SW-846 8082

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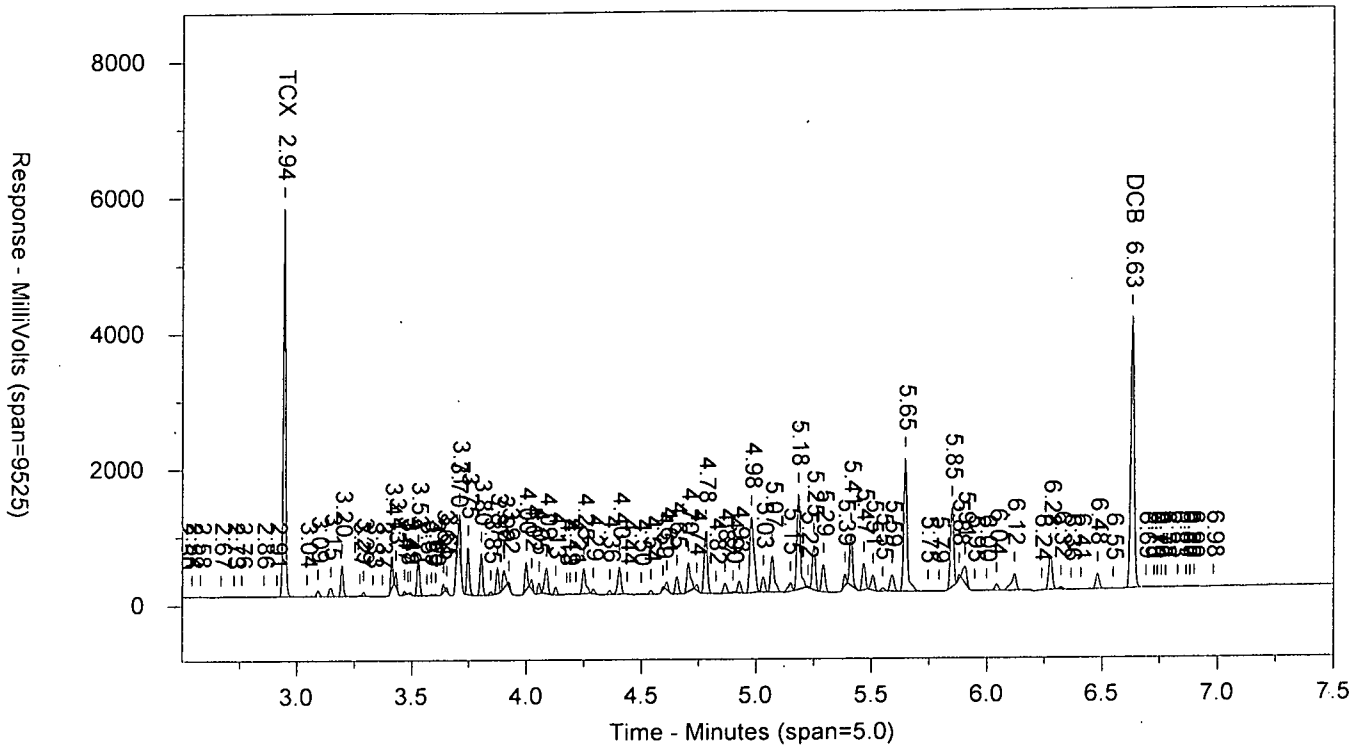

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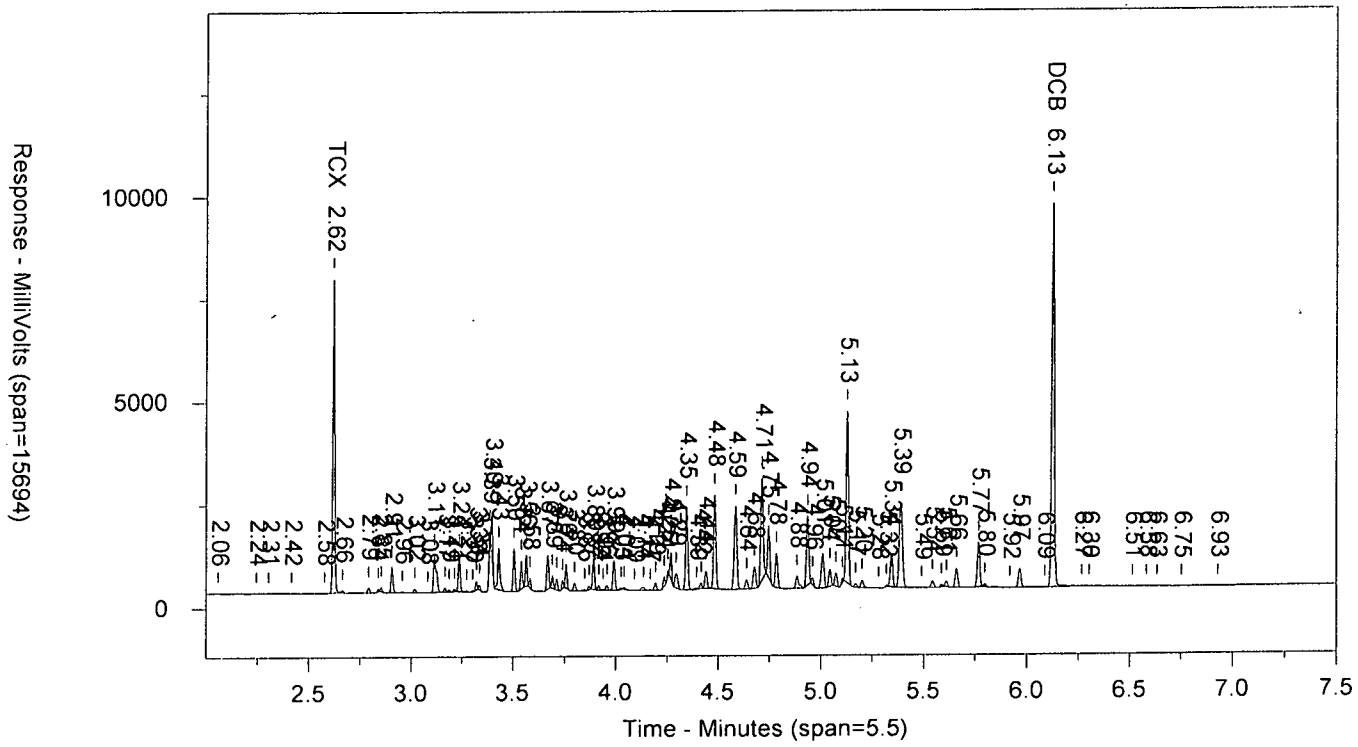

LANCASTER LABORATORIES

Sample Number: IBLKX1724A IAPIBLKIA PIBLK1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:01:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17116001.0039.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1711601.CAL

RT A	Compound A	Height A	Area A
1.633		11482	40421
1.763		3039	2967
1.811		2254	1829
2.1		16778	40019
2.12		8009	8646
2.206		6204	11522
2.266		18571	12020
2.368		29582	24863
2.515		13785	15539
2.551		21602	27831
2.572		10904	9658
2.824		18027	13390
2.919		19925	39287
2.976	TCX	4433052	2998351
3.175		55460	38288
3.262		2264	1132
3.341		9485	19863
3.5		2555	1471
3.526		4693	4137
3.552		3881	2224
3.578		2899	1881
3.62		29795	37797
3.677		7751	10569
3.726		11946	9724
3.844		1701	918
3.911		5582	4902
4.013		12234	17802
4.083		1610	754
4.234		4989	5114
4.352		36707	46942
4.399		16590	40855
4.475		2694	3993
4.72		6204	12656
4.971		25307	35007
5.025		5717	21388
5.109		7829	33191
5.458		4462	19340
5.523		2538	2258
5.763		4572	7563
6.096		17011	30713
6.157		7044	6568
6.316		1731	973
6.357		2971	4671
6.433		2595	2053
6.53		29189	28755
6.636		13866	18876
6.678	DCB	3522399	3661985
7.142		5344	7736
7.758		2286	3900
7.923		1589	709

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.030.RAW .
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.043		3786	5342
2.091		3159	4738
2.239		26120	21608
2.29		582	509
2.34		28820	28338
2.444		1261	2033
2.504		1893	3489
2.523		1184	629
2.544		1632	1498
2.579		808	599
2.676		430	515
2.718		951	861
2.759		2040	2339
2.791		27131	26557
2.894		289	408
2.914		1066	651
2.945	TCX	5853775	4007185
3.042		2687	2281
3.094		16910	15485
3.143		78364	58012
3.197		71047	50810
3.274		10231	5486
3.291		13795	8458
3.382		401	373
3.415		226429	142706
3.431		67086	33597
3.469		16098	9591
3.485		3943	4025
3.53		226807	179631
3.587		18851	11440
3.607		10869	6738
3.641		44883	26666
3.656		9359	4467
3.699		198571	106760
3.71		222545	105552
3.748		302259	239524
3.805		327887	260798
3.848		50333	35517
3.876		534159	403913
3.904		319089	259511
3.925		87368	51922
4.001		612684	465074
4.025		169896	115008
4.056		218925	164532
4.09		546806	516454
4.13		185964	157259
4.177		13698	9124
4.193		4767	2167
4.217		60538	45520
4.25		414830	283225
4.27		539215	346760
4.293		638162	497123
4.364		58565	55140
4.397		401238	326296

RT A	Compound A	Height A	Area A
4.416		136314	84977
4.442		157218	114151
4.482		9337	6169
4.504		35653	27390
4.545		185985	173991
4.595		260651	232707
4.627		157170	118422
4.657		444151	404252
4.707		4107	2845
4.739		175273	173426
4.784		35930	44336
4.829		46820	43837
4.869		319435	311579
4.904		10800	8061
4.948		31527	39936
4.982		40421	65869
5.03		1028	696
5.065		326968	333903
5.114		8164	6210
5.145		23158	26089
5.185		82656	73262
5.207		3383	1560
5.224		5036	3324
5.253		2733	2308
5.297		954	872
5.326		1279	1218
5.389		31280	26385
5.414		4981	3081
5.441		1248	961
5.47		2333	1665
5.503		2164	2702
5.549		15658	16183
5.587		18160	15598
5.613		3159	2133
5.648		6940	4953
5.671		30964	26125
5.762		376	427
5.829		421	95
5.851		11684	11282
5.904		2975	5326
5.961		503	382
6.008		1395	1547
6.044		49423	48293
6.107		55717	67968
6.171		608	476
6.245		565	1277
6.28		1850	2486
6.369		1276	2156
6.41		1670	2317
6.455		988	785
6.482		50814	53475
6.543		517	358
6.564		475	278
6.584		586	416
6.632	DCB	3987068	4128765
6.727		1077	884
6.752		706	433
6.768		1219	1207
6.824		2556	3859
6.876		918	674
6.895		482	204
6.904		1674	1985
6.986		887	1914

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		13808	23385
2.121		5090	11466
2.273		1516	6461
2.359		920	949
2.413		1366	1908
2.503		3567	3776
2.528		3410	3939
2.554		54585	49094
2.62	TCX	7628969	4752805
2.711		2154	2349
2.793		26221	19326
2.839		94950	67279
2.907		96170	62970
2.956		18875	11282
3.018		25543	16302
3.115		400328	370775
3.166		31506	18669
3.189		12148	7908
3.214		8904	4852
3.237		336073	230072
3.275		22286	14175
3.302		35033	18458
3.321		74695	39209
3.337		42378	21762
3.397		843782	938988
3.417		63783	26612
3.431		343203	219789
3.506		540761	350848
3.541		976829	600200
3.565		923061	760369
3.669		1229605	782193
3.692		372131	207343
3.713		402085	242978
3.742		197541	98669
3.759		898089	544704
3.8		332930	247796
3.849		71058	59649
3.871		720301	453239
3.894		1833564	1158669
3.918		1298492	805182
3.938		93705	45407
3.957		107054	65082
3.993		505180	345003
4.028		960628	722801
4.056		493210	287886
4.104		73565	58156
4.138		321663	250977
4.171		4813	2170
4.196		549420	422845
4.228		334705	238049
4.256		914542	645229
4.294		16720	15447
4.349		348843	342548
4.385		95518	69995

RT B	Compound B	Height B	Area B
4.417		602129	450468
4.441		13543	6665
4.459		14313	8097
4.485		59945	39543
4.51		53813	38775
4.583		92406	88607
4.636		614367	491548
4.686		37782	44793
4.716		162876	151680
4.762		20908	14460
4.786		3681	2810
4.845		1409	757
4.864		3674	2488
4.904		9189	6914
4.937		8782	6247
4.961		63803	53230
5.007		7792	8748
5.046		3351	2948
5.08		28023	22027
5.109		30439	21871
5.13		13665	8224
5.149		5346	2588
5.203		69640	60262
5.345		8947	7631
5.39		20414	21218
5.545		101247	88436
5.613		115241	101262
5.662		23064	22987
5.771		6314	6285
5.85		1362	1086
5.922		2011	1489
5.968		102708	89361
5.998		2975	2091
6.021		2202	1280
6.128	DCB	8994561	8181347
6.371		1866	2581
6.585		9157	8769
6.687		1209	1541
6.843		1076	3273
6.923		1616	2753
6.967		1030	1017

IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082

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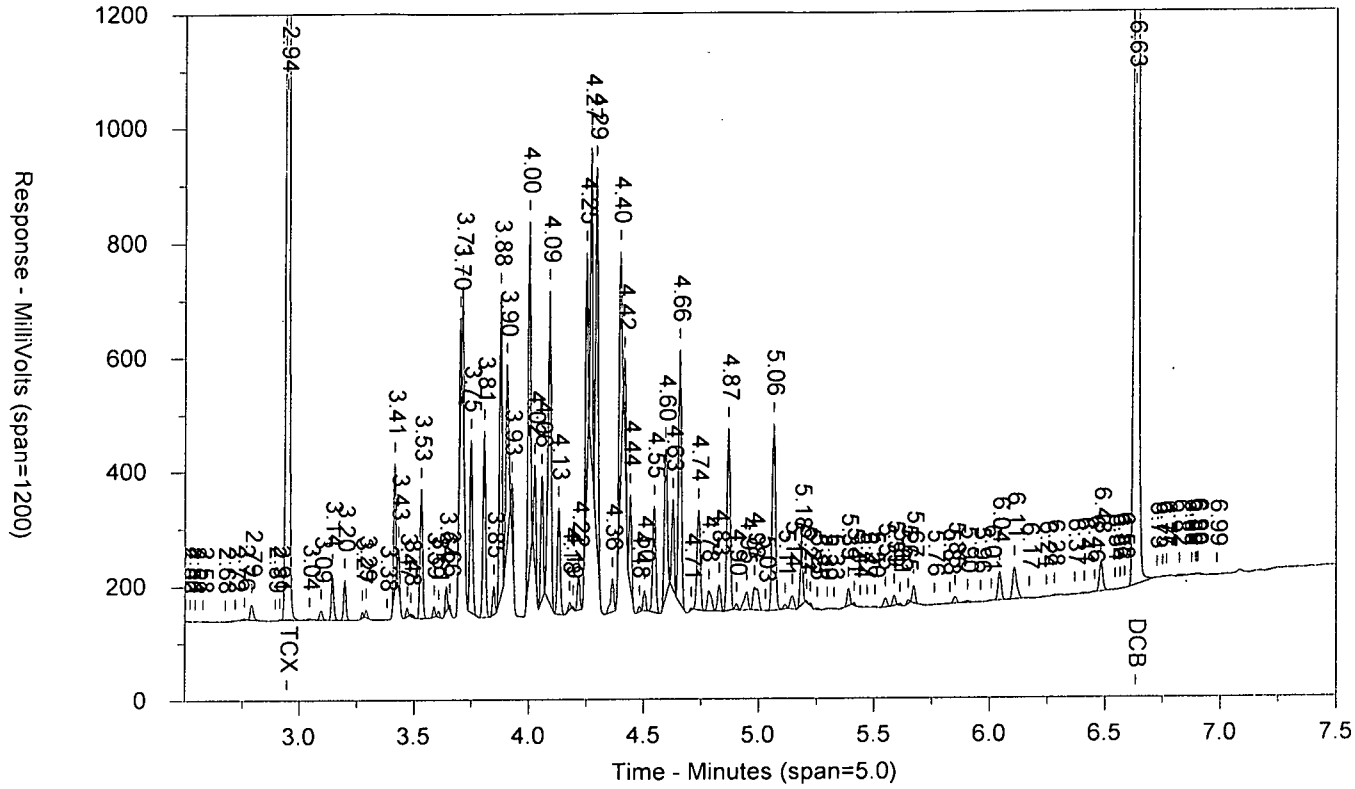

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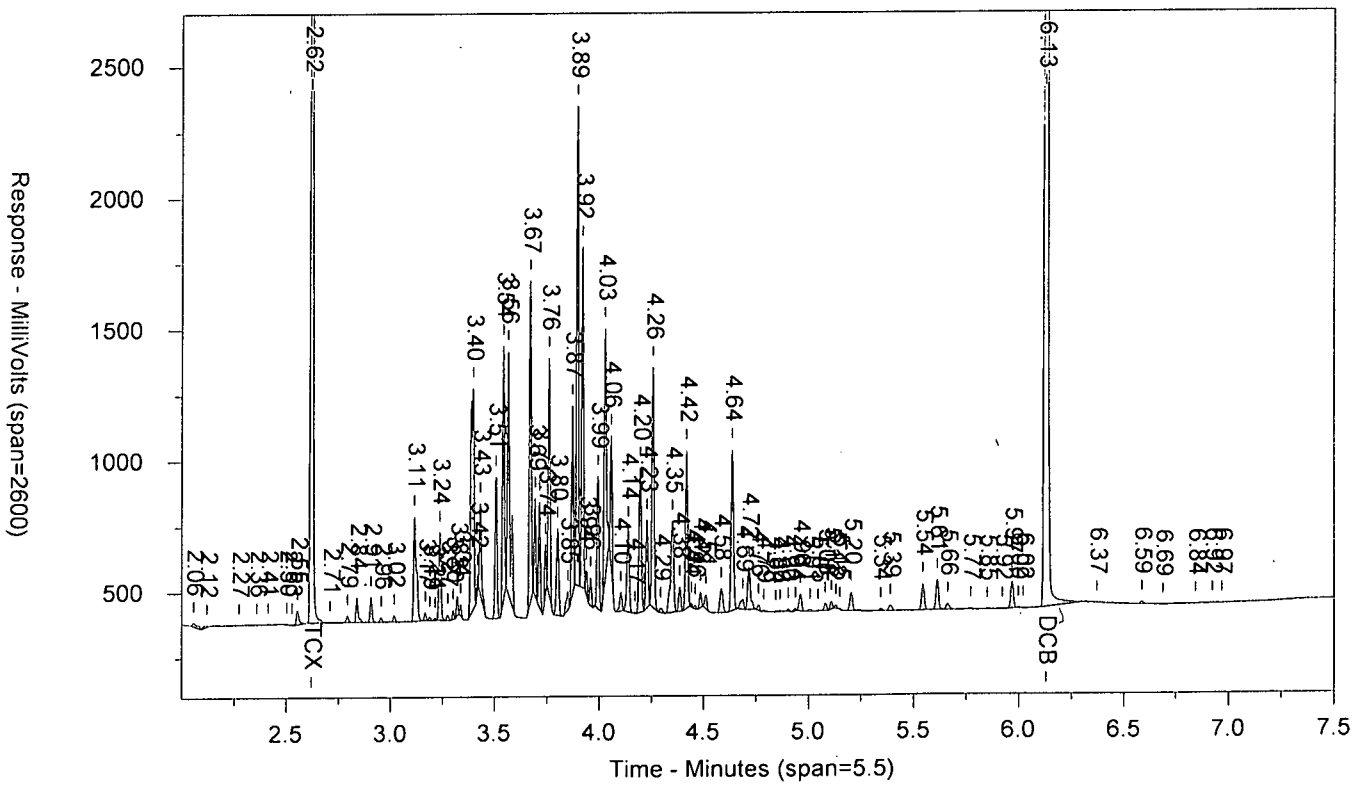

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:10:14 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5853775	41.88	TCX	2.62	7628969	40.062	TCX
6.632	3987068	39.997	DCB	6.128	8994561	38.156	DCB

Files:
Area File: 25pcbs17116001.030.RAW
Area File: 25pcbs17116001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:18:45 PM
File Reported On: 4/26/2017 at 7:18:52 PM

IC48X1724A AAIC48XAA CCAL 1711599999 10736 SW-846 8082

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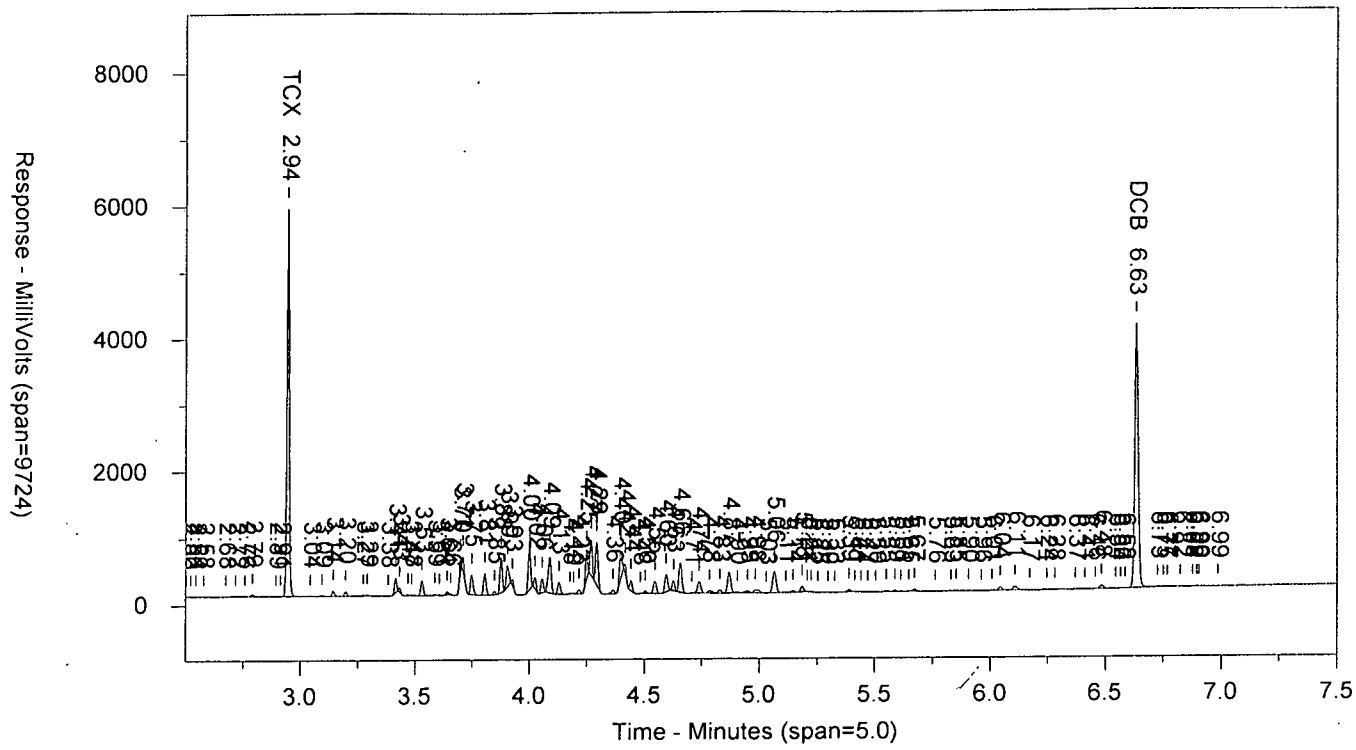

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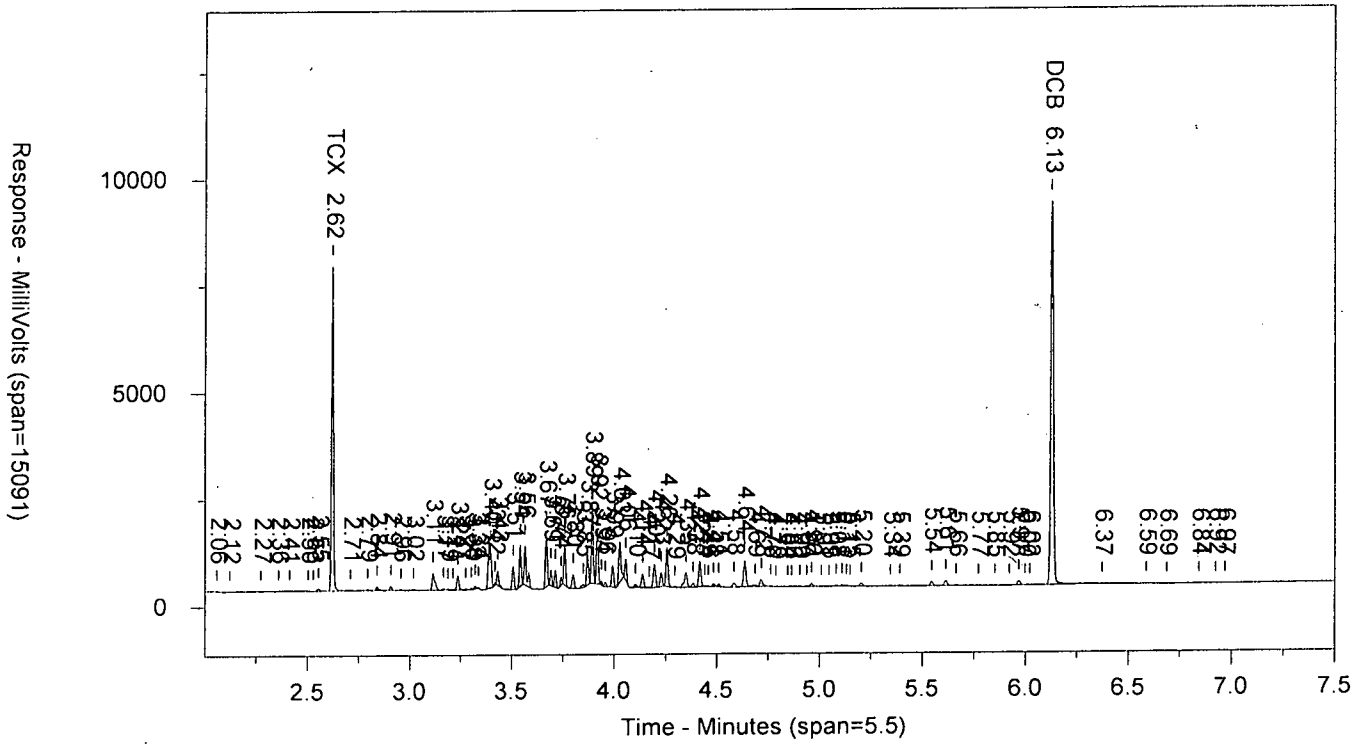

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.046		7502	8640
2.096		3948	6736
2.241		12882	10798
2.305		557	822
2.342		19976	16716
2.375		588	387
2.505		4329	5023
2.547		1312	1197
2.602		620	604
2.672		626	459
2.726		510	1313
2.761		2031	2537
2.793		27198	26992
2.895		589	298
2.918		2622	1928
2.947	TCX	2733105	1918933
3.044		1391	1017
3.068		805	429
3.096		4156	3294
3.145		37618	27265
3.2		11839	8734
3.236		476	358
3.278		7664	10595
3.385		329	158
3.419		18418	11304
3.436		6389	3789
3.489		6380	6328
3.534		18886	14647
3.562		943	560
3.592		9953	6021
3.612		12237	7933
3.645		4678	4098
3.661		1329	662
3.703		35886	54089
3.754		45223	34949
3.81		23503	18945
3.852		3615	2281
3.88		498688	384112
3.908		131198	123962
3.967		1019	958
4.005		318783	252751
4.029		16294	9167
4.062		33912	24812
4.095		145759	135935
4.135		28269	24322
4.183		1517	1776
4.198		8965	5728
4.221		26119	18068
4.256		660947	474378
4.274		234978	127530
4.3		205434	180183
4.37		213377	185254
4.411		1123986	1222729
4.446		425559	358343

RT A	Compound A	Height A	Area A
4.487		15243	9886
4.509		81267	63361
4.551		421529	387060
4.6		773290	687498
4.631		175940	121942
4.662		1536838	1374437
4.712		72201	52079
4.726		9983	3667
4.745		191496	151259
4.788		479908	510062
4.833		113021	102194
4.874		1123859	1065523
4.906		23406	14565
4.934		125164	159778
4.987		613842	972574
5.037		12721	9484
5.071		815982	878745
5.119		98083	76705
5.143		35955	23905
5.155		27878	16642
5.19		1076023	993803
5.211		56783	24011
5.229		41764	24028
5.257		40904	33553
5.299		50999	60426
5.393		349032	310488
5.418		87436	61775
5.447		2545	1328
5.473		48419	43772
5.512		46224	41495
5.552		13761	12134
5.59		243155	220568
5.615		32560	22102
5.651		175276	168458
5.674		2773	2650
5.751		1704	2686
5.82		390	234
5.855		164718	156756
5.885		23082	17360
5.962		969	1274
6.015		2479	3827
6.048		23635	21748
6.111		28950	46404
6.246		474	795
6.284		10602	14322
6.369		1117	1439
6.417		1139	1853
6.459		586	447
6.487		24502	25622
6.568		2260	3310
6.636	DCB	1957827	2100318
6.723		491	352
6.732		885	340
6.754		637	207
6.778		2487	3232
6.83		4243	6636
6.911		3205	5755
6.959		718	577

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		5308	5850
2.21		4479	8817
2.416		1647	1948
2.471		1222	1284
2.538		2541	900
2.554		53205	44849
2.621	TCX	3674005	2233443
2.794		5552	4969
2.84		49823	30305
2.907		17132	11142
2.957		9570	6530
3.02		2218	2313
3.116		37371	36218
3.169		2501	1628
3.19		9727	6574
3.24		30119	20873
3.277		23354	15276
3.304		19044	10484
3.324		6361	3199
3.34		18660	11120
3.39		51825	56063
3.42		15106	6624
3.434		47629	34991
3.51		42527	27901
3.544		915009	557450
3.568		278087	161925
3.586		29836	13281
3.672		544420	354628
3.696		46890	24673
3.717		68692	45747
3.747		44166	22162
3.763		217234	132224
3.804		62997	47466
3.844		49318	43436
3.874		199806	115142
3.897		2285227	1543213
3.922		236749	130733
3.942		197550	110998
3.961		395299	248112
3.997		2079317	1417519
4.028		786595	484063
4.046		470737	246998
4.107		157141	119849
4.142		792213	594366
4.199		1768487	1265356
4.232		461565	340399
4.259		3095387	2336083
4.298		216617	210492
4.352		1460722	1234089
4.389		219009	166070
4.421		2136299	1494175
4.445		292454	191138
4.488		1182640	899787
4.514		63267	37329

RT B	Compound B	Height B	Area B
4.588		1084604	1110491
4.64		1548229	1217115
4.68		374331	312733
4.719		2450114	2325339
4.766		171361	108984
4.79		68783	47589
4.85		28545	30672
4.889		5751	3060
4.907		106091	84725
4.94		113077	79937
4.964		729948	587331
5.015		99164	84681
5.05		82884	67546
5.08		50573	41686
5.112		374006	266522
5.134		254131	213230
5.206		36774	35487
5.348		14963	13042
5.391		318512	335379
5.548		47188	43971
5.594		12556	8874
5.616		47051	36933
5.665		16617	14426
5.772		20544	18914
5.858		1476	2204
5.971		50023	51241
6.005		2075	1668
6.131	DCB	4666730	4074549
6.196		3706	5981
6.31		2333	2742
6.444		3688	4947
6.587		6439	16044
6.688		3074	6338
6.763		1155	656
6.933		2691	8120

IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082

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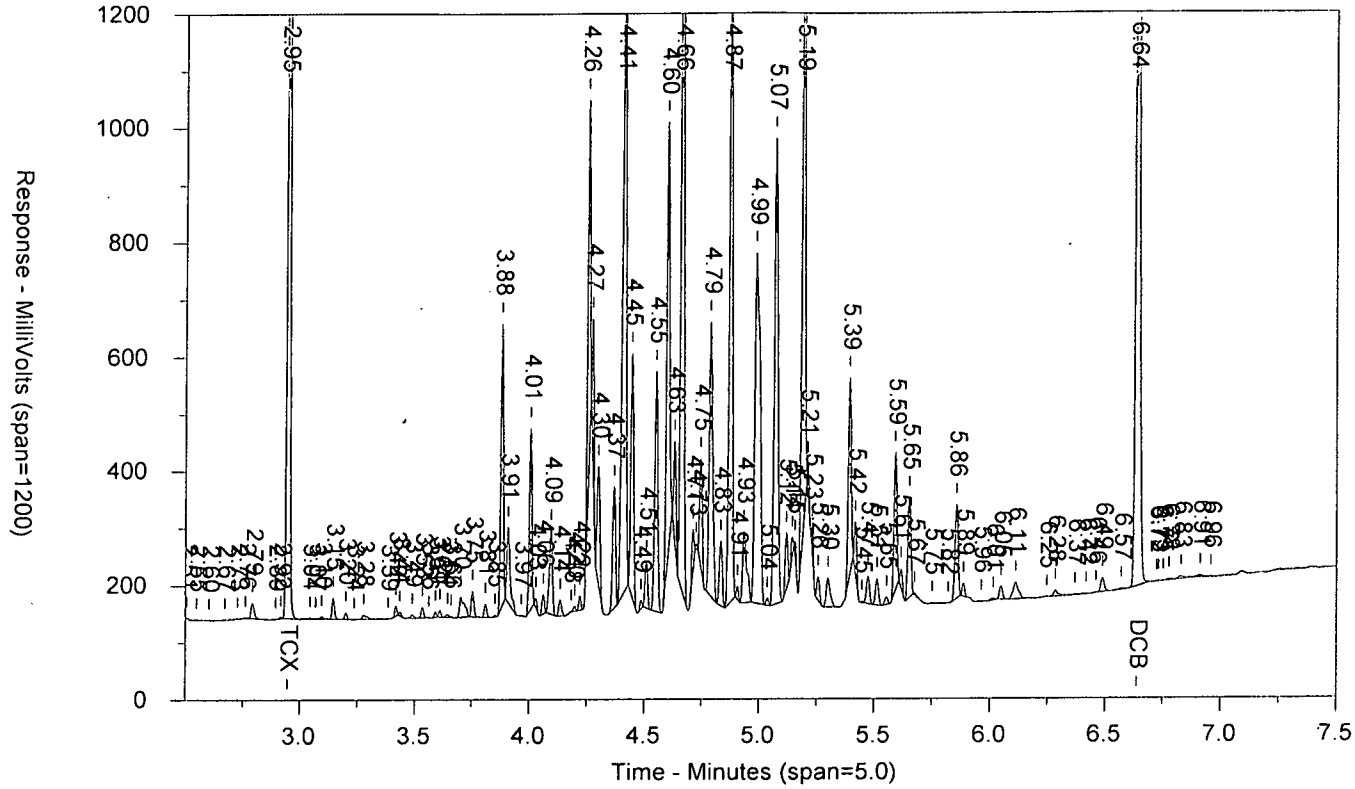

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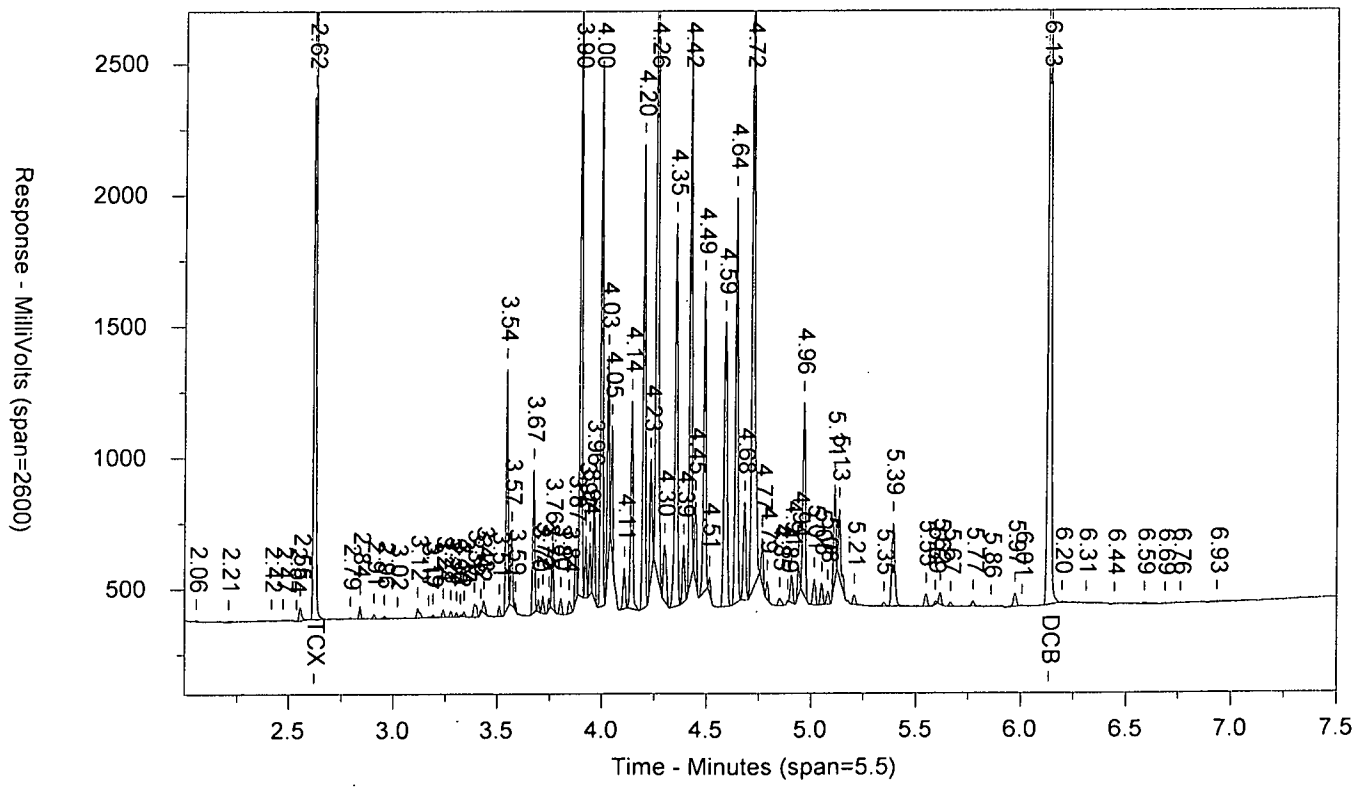

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 7:21:57 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	2733105	19.554	TCX	2.621	3674005	19.293	TCX
6.636	1957827	19.64	DCB	6.131	4666730	19.797	DCB

Files:
Area File: 25pcbs17116001.031.RAW
Area File: 25pcbs17116001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 4/26/2017 7:30:27 PM
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IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082

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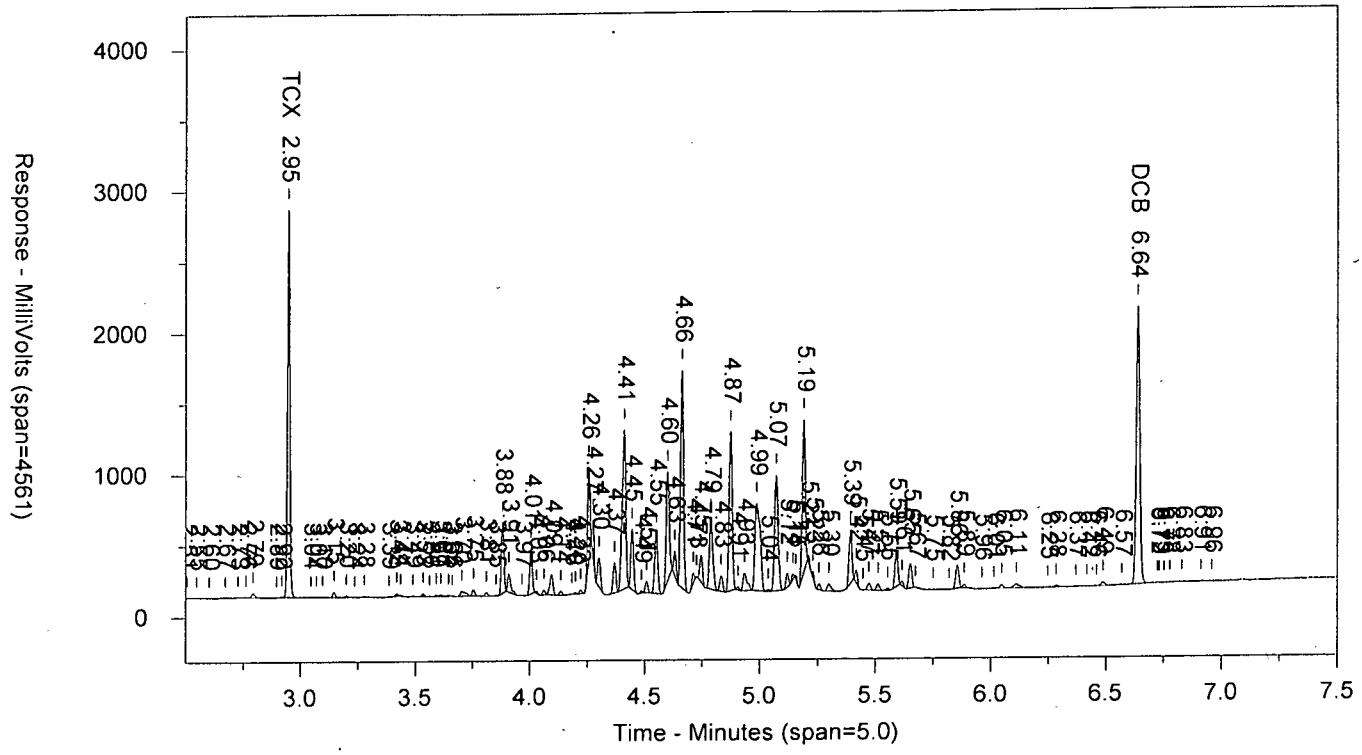

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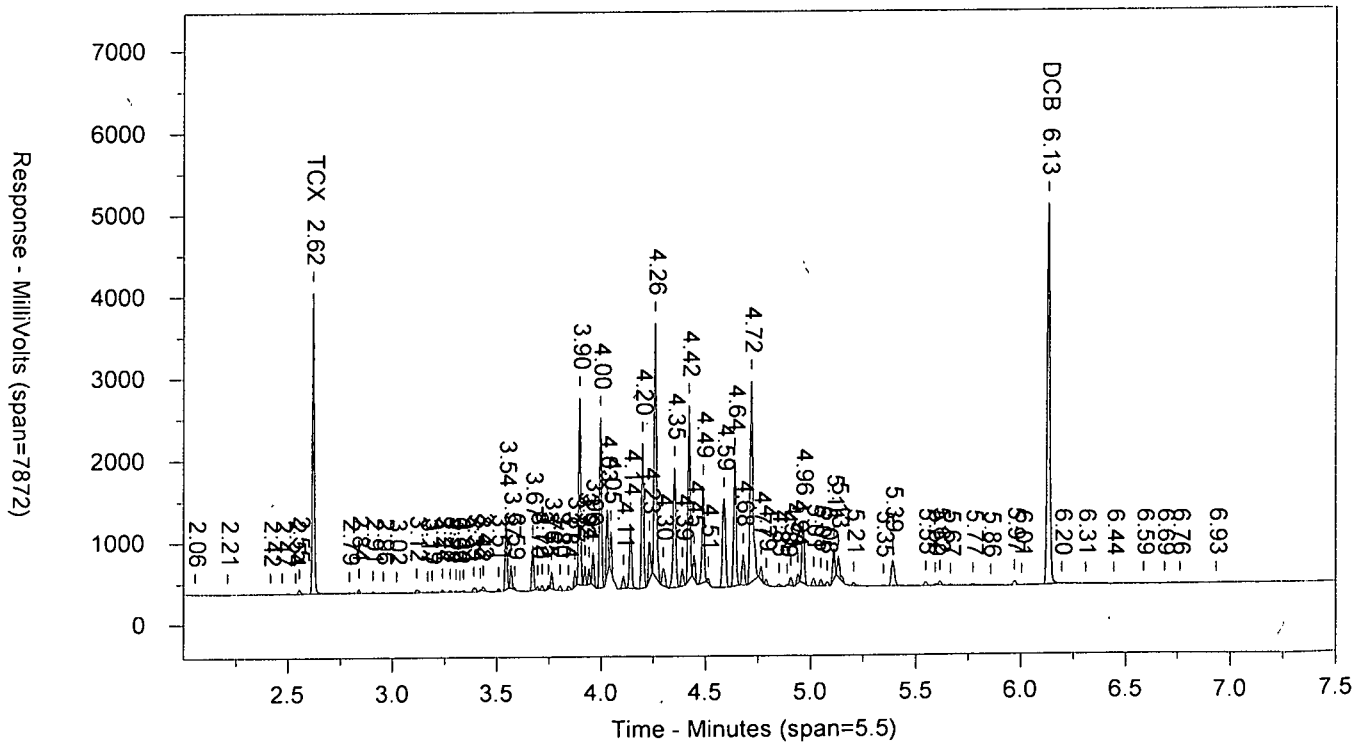

LANCASTER LABORATORIES

Sample Number: AR1631724A CWAR163CW CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:32:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		477	468
2.045		4637	5319
2.092		7751	10682
2.177		2526	2487
2.24		24669	19803
2.302		544	361
2.34		27852	25356
2.376		1941	1853
2.503		2304	2628
2.522		1262	680
2.546		2533	2083
2.579		5798	5131
2.665		963	1205
2.719		1667	1551
2.752		2178	3633
2.791		21330	20427
2.856		1490	1260
2.884		668	488
2.916		1253	979
2.945	TCX	5662905	3974289
3.042		1695	1490
3.063		956	511
3.093		80003	71716
3.148		126661	119239
3.197		453758	337804
3.275		7058	3462
3.291		52955	34978
3.335		1615	1155
3.381		513	438
3.414		429316	269284
3.431		182465	104959
3.469		54762	31292
3.484		4274	1671
3.495		28319	15052
3.53		563518	443603
3.566		2205	1083
3.586		6933	4150
3.606		19670	12955
3.641		120375	70665
3.656		62371	30905
3.7		213070	139108
3.71		589598	303935
3.747		678476	528475
3.805		591722	465465
3.847		45620	32598
3.876		378833	291627
3.904		250115	212918
3.925		65732	35514
4		413667	312466
4.024		146002	97250
4.056		166349	120584
4.089		464888	454860
4.129		142153	122778
4.177		14487	9467

RT A	Compound A	Height A	Area A
4.191		3829	1776
4.216		26053	18627
4.251		385715	299874
4.268		64697	33256
4.293		119975	95398
4.364		71424	62516
4.407		450565	458227
4.441		15590	11049
4.481		417	261
4.503		5268	4527
4.544		56461	53012
4.596		60654	43206
4.612		102335	71985
4.656		310171	292177
4.707		411525	463637
4.743		89885	64617
4.782		926128	916901
4.826		8832	7569
4.867		185335	192772
4.901		15510	10554
4.929		189189	171957
4.98		1160841	1494567
5.032		210443	203625
5.07		548610	617702
5.113		4942	2139
5.15		117270	144320
5.183		1476998	1531599
5.225		16506	7227
5.251		625379	609334
5.293		420209	410838
5.386		197595	159089
5.411		703436	638175
5.468		373938	363717
5.506		221722	226430
5.547		47758	49464
5.588		260964	300746
5.647		1845485	2014290
5.747		5377	6293
5.796		847	809
5.85		1097696	1094755
5.88		66029	41550
5.905		235525	272041
5.949		1399	1430
6.042		64169	68465
6.121		222572	346379
6.235		1782	3160
6.276		477789	491802
6.323		36509	34023
6.365		1711	2020
6.413		1524	1726
6.481		155942	172856
6.548		492	316
6.564		801	621
6.632	DCB	3780778	4123642
6.826		2081	2417
6.864		611	166
6.911		3446	4824

LANCASTER LABORATORIES

Sample Number: AR1631724A CWAR163CW CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:32:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9931	8403
2.159		2125	3466
2.212		3058	3253
2.242		3164	3317
2.306		6677	5629
2.367		2726	2348
2.418		2550	2725
2.477		1488	2084
2.539		2259	1267
2.554		50778	40663
2.598		2128	949
2.622	TCX	8504922	5185612
2.665		53055	36845
2.709		2410	2697
2.794		135670	94007
2.84		71096	35037
2.855		117892	63205
2.907		702710	443131
2.958		21765	13914
3.019		97458	63471
3.115		944355	918246
3.167		116369	72722
3.188		54991	32446
3.214		83859	47217
3.238		937934	625646
3.275		38829	23852
3.303		11516	5458
3.322		284623	299970
3.366		2685	1291
3.398		1988550	1994606
3.432		1032792	797642
3.506		1088367	691200
3.542		742036	468126
3.565		805570	446559
3.584		243486	126329
3.67		911608	610008
3.693		347996	192216
3.714		322078	190896
3.743		213228	113429
3.76		788891	486998
3.801		283736	213317
3.85		45336	39753
3.872		215113	127652
3.894		1103694	730020
3.919		214606	132168
3.939		38422	18756
3.959		153495	101333
3.994		916896	642967
4.028		42746	25256
4.043		74849	48086
4.104		10680	11544
4.139		83989	84288
4.171		4382	2465
4.196		251689	183073

RT B	Compound B	Height B	Area B
4.239		246919	149377
4.257		234021	116501
4.27		603522	339697
4.297		388803	387016
4.348		2205277	1651089
4.396		29828	27435
4.418		236753	156796
4.442		466874	347195
4.485		2583707	1965693
4.588		2131078	2042265
4.641		267093	225135
4.679		594755	516596
4.715		2969855	2373224
4.748		1257381	886946
4.786		927766	718002
4.862		30780	20883
4.886		303030	304022
4.936		1753427	1349441
4.96		238754	158634
5.011		897722	827344
5.046		467750	371866
5.076		341052	287505
5.108		147244	90779
5.13		4209751	3459460
5.171		89405	67802
5.202		200307	167328
5.321		44568	29196
5.344		818795	678098
5.388		2819252	2929050
5.457		1552	1439
5.492		3330	5145
5.544		127008	114643
5.589		76891	56067
5.612		110513	82922
5.661		506148	432618
5.768		1077205	923078
5.8		69375	51409
5.866		1817	2709
5.923		2382	1586
5.968		334663	304229
6.02		1900	1367
6.087		1626	1274
6.127	DCB	9953030	8580079
6.252		2059	2100
6.305		4857	5054
6.581		10314	12247
6.66		1890	1713
6.755		3109	6206
6.826		2685	7602
6.905		5570	9172

AR1631724A CWAR163CW CCAL 1714099999 10736 SW-846 808:

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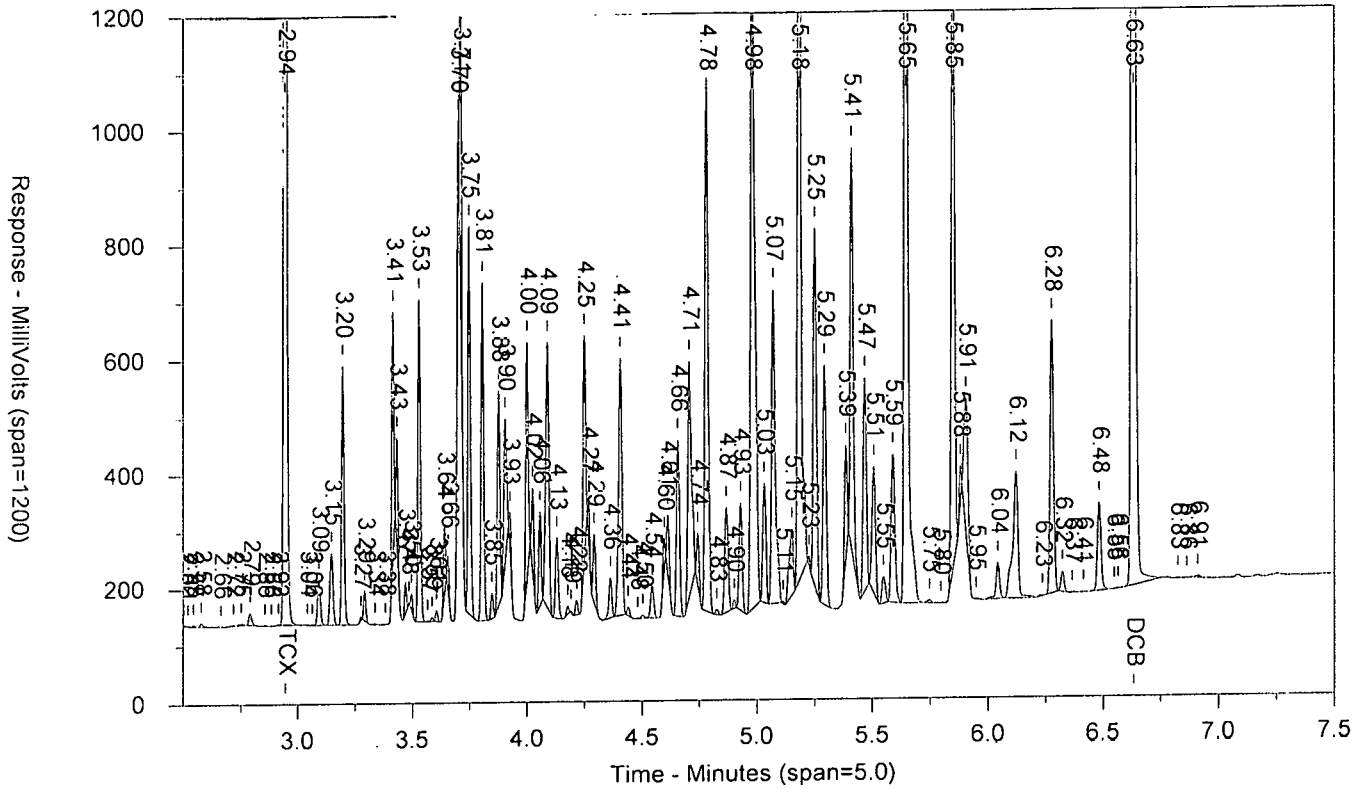

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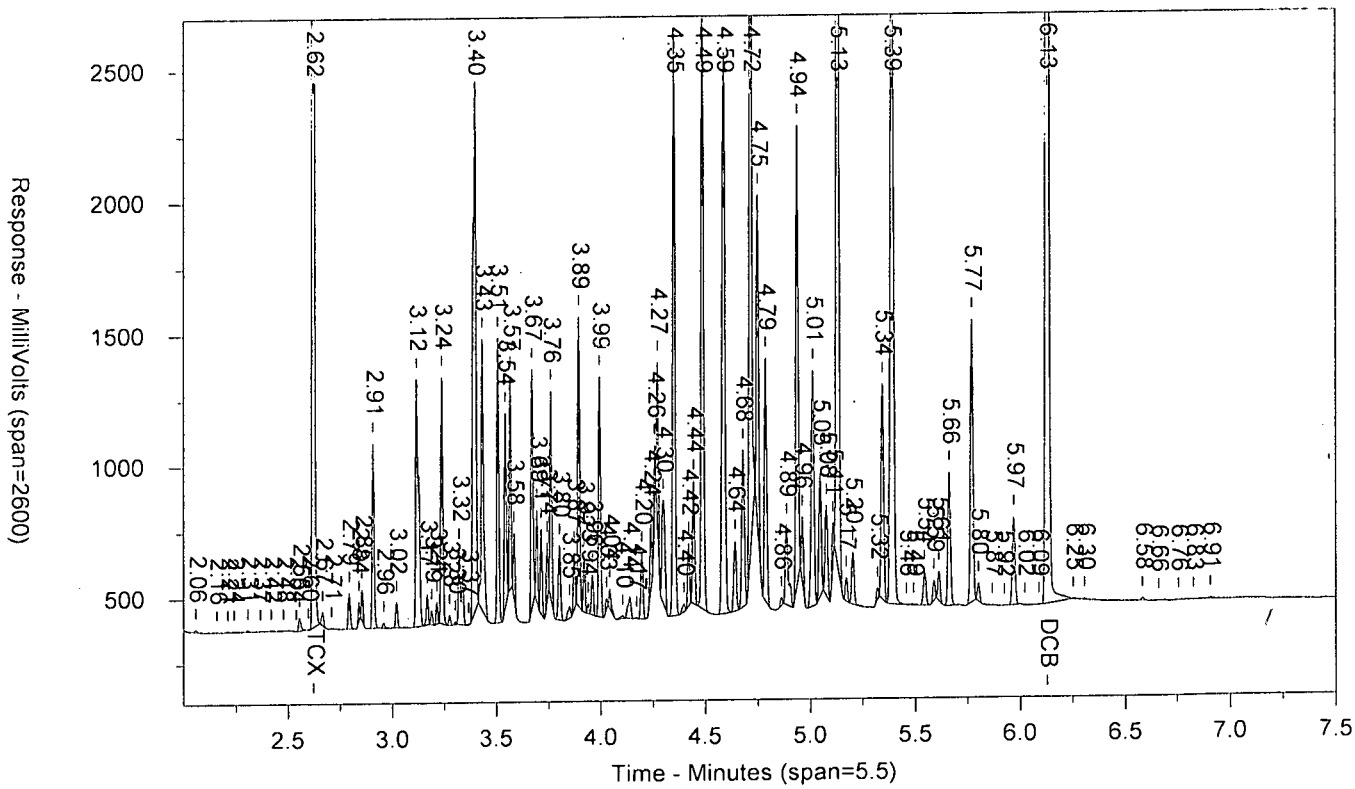

LANCASTER LABORATORIES

Sample Number: AR1631724A CWAR163CW CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:32:41 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5662905	40.515	TCX	2.622	8504922	44.662	TCX
6.632	3780778	37.928	DCB	6.127	9953030	42.222	DCB

Files:
Area File: 25pcbs17116016.023.RAW
Area File: 25pcbs17116016B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 9:41:13 PM
File Reported On: 5/21/2017 at 9:41:23 PM

AR1631724A CWAR163CW CCAL 1714099999 10736 SW-846 808

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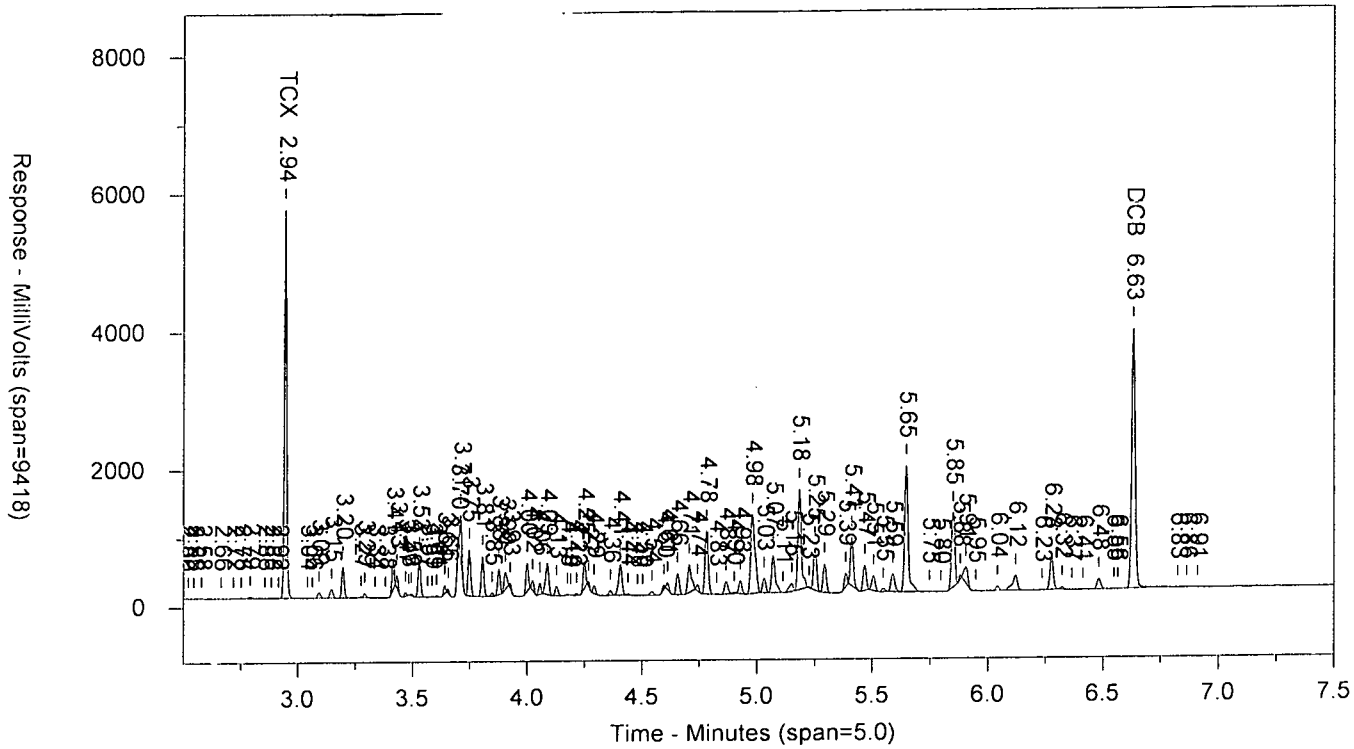

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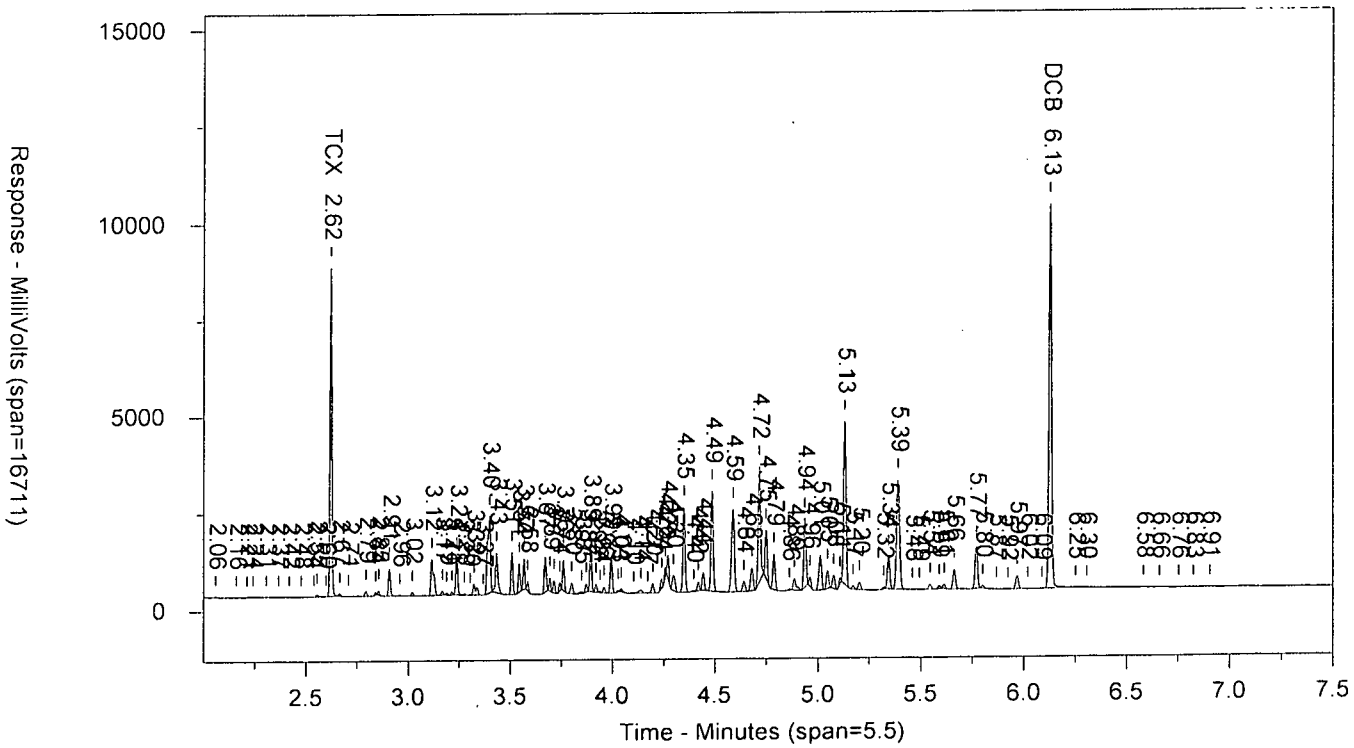

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VQPIBLKVQ PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:44:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.015		837	908
2.045		12816	13056
2.091		6621	9707
2.24		13576	12325
2.294		1381	1673
2.34		23738	19453
2.375		2251	2663
2.448		547	519
2.504		8915	10236
2.546		1569	1818
2.602		1226	1181
2.658		945	911
2.724		431	835
2.746		947	1082
2.791		29411	29761
2.888		840	575
2.914		5391	4096
2.945	TCX	2883654	2005242
3.042		917	791
3.093		671	608
3.142		40359	27722
3.224		339	302
3.276		9940	12434
3.399		859	696
3.459		843	604
3.52		1664	2251
3.556		536	421
3.588		4999	3245
3.63		6666	6503
3.693		11196	10188
3.74		991	1074
3.773		841	512
3.797		1088	1271
3.868		2552	2961
3.92		540	432
3.962		5925	6638
4.058		587	790
4.084		463	202
4.112		1172	1474
4.192		13446	13754
4.233		2203	2486
4.3		9801	11210
4.387		575	351
4.438		660	928
4.542		1090	1059
4.612		2171	3639
4.655		7043	9692
4.825		337	306
4.864		439	182
4.904		5398	6946
4.968		408	136
5.016		8170	13201
5.061		1303	1234
5.143		9063	9154

RT A	Compound A	Height A	Area A
5.214		247	615
5.313		471	1128
5.373		7434	10783
5.445		1372	2207
5.479		534	369
5.548		8352	8811
5.616		366	236
5.67		14451	13313
5.698		3936	4183
5.788		460	569
5.848		1509	2613
5.929		569	1621
5.97		378	351
6.005		4905	6113
6.042		21072	20496
6.082		421	135
6.106		23205	27528
6.167		700	1409
6.261		297	1113
6.293		3935	7719
6.365		2587	3819
6.412		1036	1247
6.48		22075	24168
6.558		3422	4545
6.63	DCB	1969989	2142194
6.711		808	373
6.729		791	699
6.783		1748	2272
6.82		3438	4459
6.907		5027	13291

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VQPIBLKVQ PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:44:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		6142	6250
2.162		4076	7263
2.211		4015	5346
2.239		2427	2942
2.325		888	3161
2.366		1689	1888
2.421		1724	2511
2.477		5154	20032
2.539		3201	1901
2.554		76169	67704
2.621	TCX	4254801	2587666
2.71		2129	4462
2.79		1544	814
2.84		50157	33249
2.957		11222	7022
3.115		5482	7756
3.195		2474	14686
3.243		906	553
3.281		1935	1299
3.303		9322	4969
3.339		18606	11838
3.391		6319	4328
3.423		7968	12887
3.466		2306	1769
3.519		1076	1812
3.575		2383	3139
3.6		3122	1858
3.626		4252	12374
3.681		7698	13386
3.729		2893	5405
3.795		1194	1124
3.835		1235	1682
3.96		40630	66124
4.037		1879	2605
4.094		7744	8588
4.173		7049	10861
4.231		4546	12295
4.254		1782	1476
4.353		1156	812
4.46		18332	20124
4.525		3876	16606
4.585		1335	980
4.605		2418	1597
4.664		2526	1583
4.688		18412	14386
4.79		8791	20746
4.864		3002	2843
4.965		995	971
5.04		3355	6135
5.083		17630	16912
5.164		755	1096
5.203		37763	42010
5.344		3886	5253
5.394		5380	11446

RT B	Compound B	Height B	Area B
5.544		52509	48699
5.612		56192	53382
5.662		16014	17802
5.878		1126	3002
5.967		47096	45464
6.021		1136	717
6.126	DCB	4848066	4391150
6.394		1756	1106
6.46		817	3194
6.582		5420	4929
6.611		1907	1344
6.703		1078	1320
6.759		966	2112
6.839		1517	2364
6.904		4755	6591
6.979		1061	1199

IBLKX1724A VQPIBLKVQ PIBLK1714099999 10736 SW-846 8082

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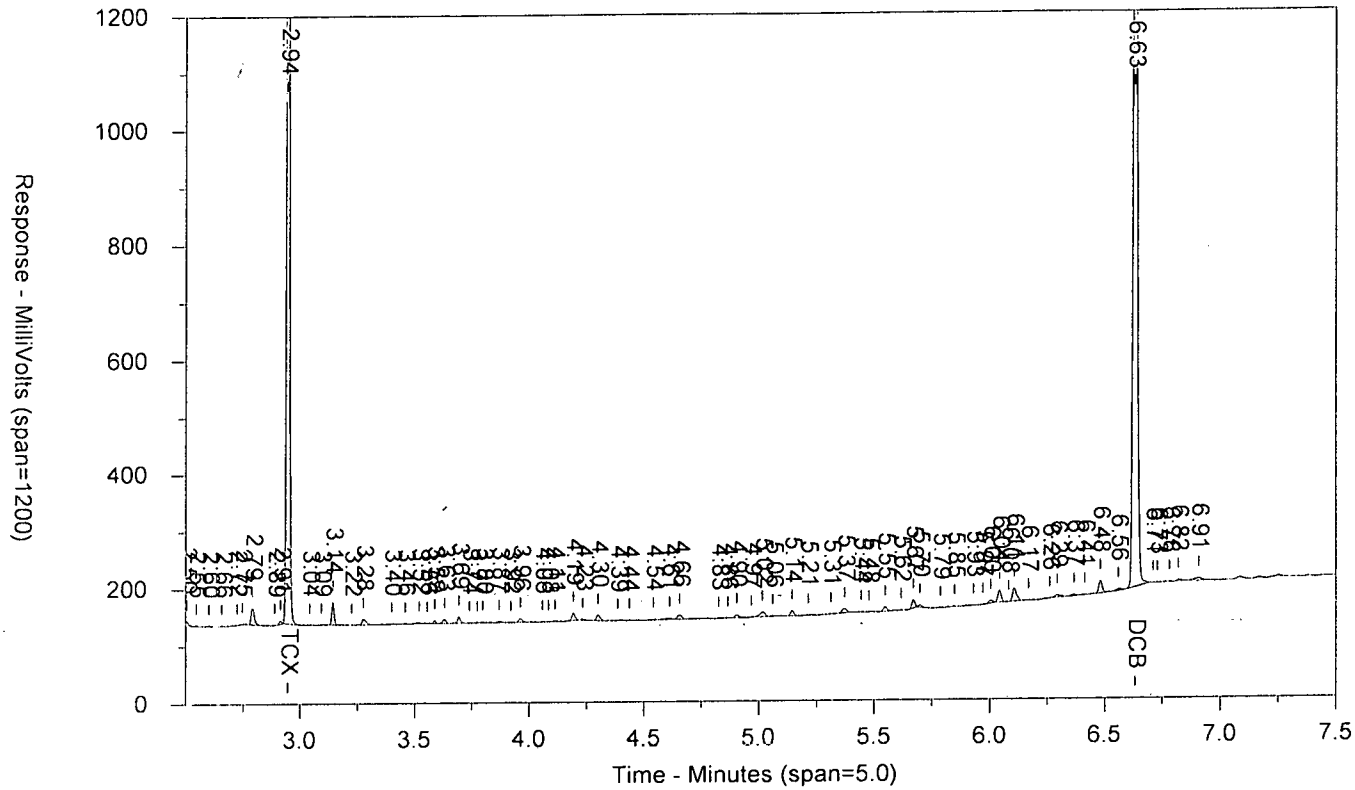

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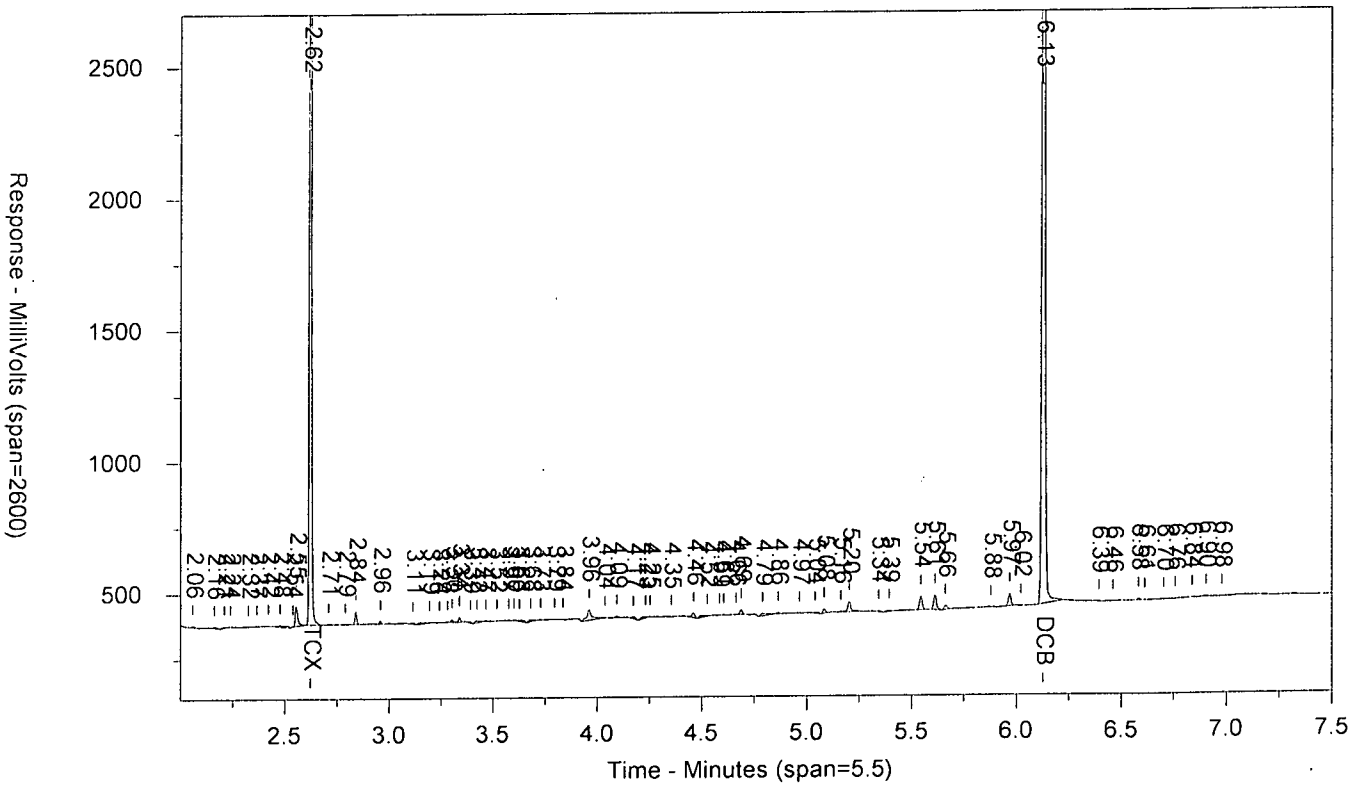

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VQPIBLKVQ PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 9:44:00 PM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2883654	.206	TCX	2.621	4254801	.223	TCX
6.63	1969989	.198	DCB	6.126	4848066	.206	DCB

Files:
Area File: 25pcbs17116016.024.RAW
Area File: 25pcbs17116016B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 9:52:29 PM
File Reported On: 5/21/2017 at 9:52:37 PM

IBLKX1724A VQPIBLKVQ PIBLK1714099999 10736 SW-846 8082

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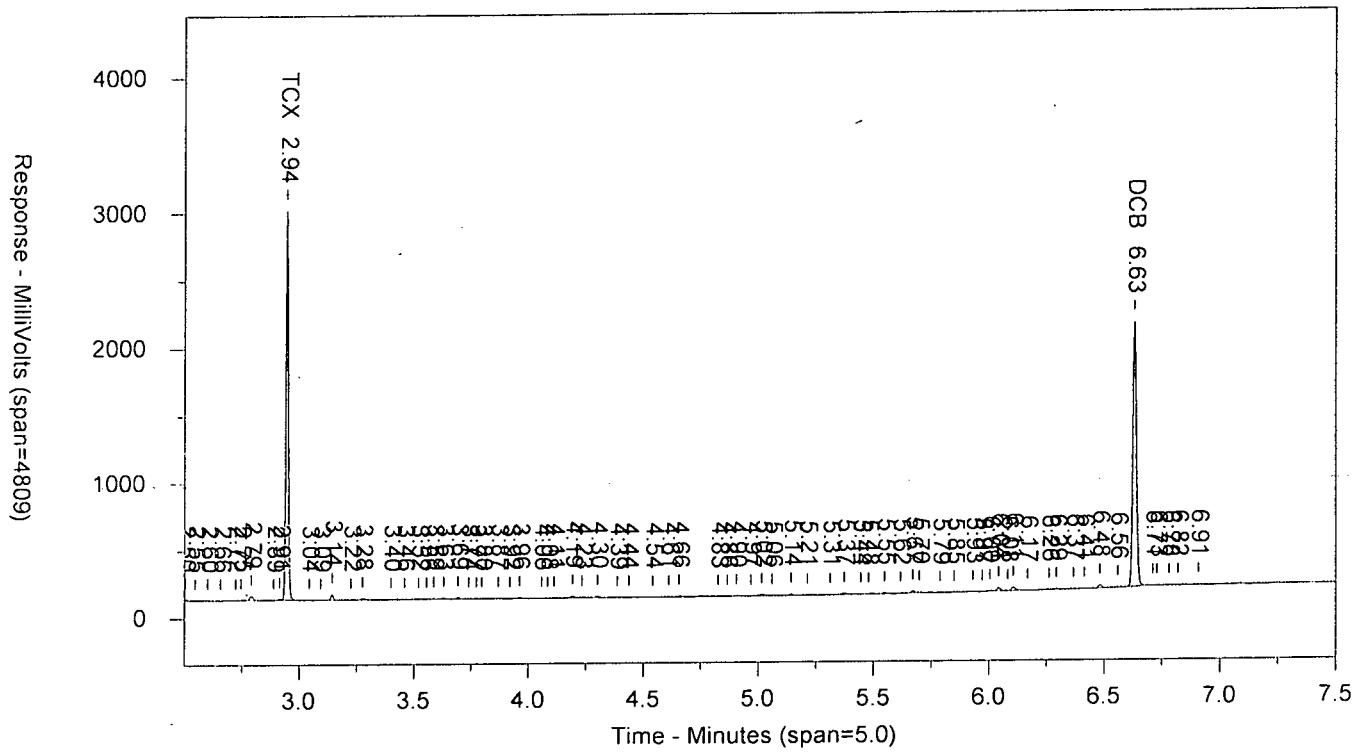

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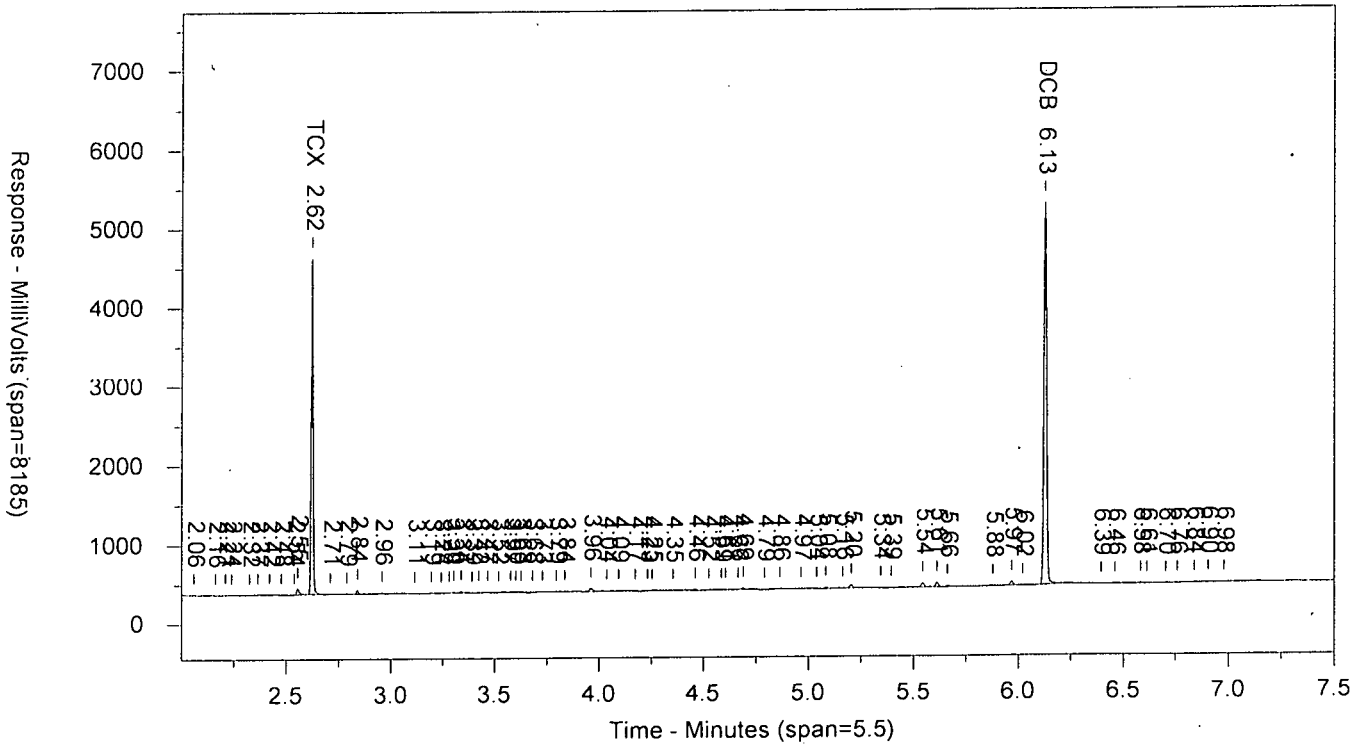

LANCASTER LABORATORIES

Sample Number: AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:25:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.013		689	568
2.044		8811	9287
2.091		7494	11050
2.177		1626	798
2.239		26494	21768
2.305		868	1510
2.34		27844	25047
2.376		2363	2592
2.504		4217	4175
2.546		2587	2113
2.578		6144	5248
2.661		1020	973
2.719		1509	1307
2.756		2291	3241
2.791		28920	28564
2.856		1615	1208
2.885		1211	799
2.915		2797	1978
2.944	TCX	5896264	4137986
3.042		1451	1483
3.092		87077	74602
3.148		128676	124585
3.196		474726	350394
3.275		6611	3257
3.29		55983	36742
3.333		1564	1082
3.414		459807	282427
3.431		201058	112944
3.468		56599	33735
3.483		6593	2382
3.495		30289	15478
3.529		589477	463474
3.566		2412	1255
3.586		8826	5286
3.605		18989	12876
3.639		127898	75768
3.655		65286	31865
3.698		235683	122016
3.708		624998	336524
3.746		690459	553117
3.804		614089	488195
3.846		47233	34404
3.875		392149	307130
3.902		268440	230461
3.923		61831	35042
3.999		440309	329272
4.023		148897	101557
4.055		176914	126545
4.087		480290	478566
4.128		153607	128749
4.176		14977	10322
4.191		3862	1673
4.215		26511	18901
4.25		406086	318171

RT A	Compound A	Height A	Area A
4.267		73762	36779
4.292		127138	102063
4.363		75612	64949
4.406		474854	480695
4.44		15755	11444
4.502		4981	4312
4.543		53798	51689
4.594		69465	45269
4.611		108153	77775
4.655		330801	308048
4.705		427823	489409
4.742		94531	69018
4.781		1012759	965588
4.826		8414	7104
4.866		197483	202365
4.901		14955	10502
4.928		190361	182183
4.979		1210166	1576478
5.03		231913	216357
5.069		588025	654106
5.113		5217	2301
5.149		130281	156225
5.183		1541592	1620474
5.225		20880	8879
5.25		667012	638144
5.292		438079	433899
5.385		211602	163205
5.411		754156	661840
5.467		397878	378309
5.506		230600	242630
5.547		51485	51946
5.588		275635	316052
5.646		2003198	2118108
5.737		2210	2962
5.793		923	1029
5.849		1252455	1150056
5.879		66621	42557
5.906		255112	288711
5.952		1291	884
6.002		1191	949
6.041		62157	60251
6.12		251275	346341
6.248		168	1252
6.276		480034	514459
6.321		35736	34379
6.362		1429	1320
6.413		1714	2488
6.48		159444	178351
6.564		838	1041
6.63	DCB	3987474	4278731
6.755		579	226
6.823		2504	4127
6.867		846	311
6.905		4032	6509
6.987		478	229

LANCASTER LABORATORIES

Sample Number: AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:25:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		11370	8890
2.21		4121	4115
2.24		3455	3641
2.277		1626	1138
2.305		6926	5922
2.368		1871	3412
2.418		3340	3330
2.536		3457	1792
2.554		67919	56450
2.598		1900	950
2.621	TCX	9117704	5424316
2.665		55567	40024
2.711		2433	2399
2.793		140311	98221
2.84		75686	37380
2.854		122871	66871
2.907		710022	461202
2.957		22940	13734
2.996		1193	591
3.018		101460	67525
3.115		981425	952858
3.167		119251	75499
3.188		56894	32415
3.214		86618	49605
3.238		964978	652303
3.275		39908	24180
3.303		14903	7011
3.321		241867	129176
3.337		145946	75246
3.364		3040	1327
3.397		2036359	2079644
3.431		1061397	708093
3.505		1156422	725841
3.541		789503	491321
3.564		850023	471552
3.582		269041	134738
3.669		955209	635675
3.691		366770	201370
3.712		356145	207088
3.741		228808	119617
3.759		843605	517748
3.8		301796	223842
3.848		45910	40169
3.871		221655	133691
3.893		1164508	767310
3.917		234390	136936
3.937		38371	19262
3.957		155028	104240
3.992		981507	676119
4.026		45735	27424
4.041		76845	50233
4.103		10276	11307
4.137		82989	81758
4.169		4174	2389

RT B	Compound B	Height B	Area B
4.195		257182	190235
4.237		257616	155004
4.255		272361	133996
4.269		641091	352534
4.295		402833	402309
4.346		2339665	1728996
4.395		30050	27213
4.417		236539	162314
4.441		489842	363051
4.484		2635738	2030900
4.586		2243015	2135145
4.64		283817	237663
4.678		606349	542717
4.714		3020187	2493100
4.747		1360571	937455
4.785		979910	755413
4.861		3816	3563
4.884		321239	339134
4.935		1817577	1413424
4.959		263883	169439
5.009		920767	863322
5.045		500048	394233
5.075		356677	292147
5.107		150565	91281
5.128		4548583	3601222
5.169		90478	69159
5.202		206327	169818
5.279		2123	1941
5.32		45319	28996
5.343		844207	699208
5.387		2943260	3158175
5.543		133300	116181
5.588		77252	54889
5.611		109780	83116
5.66		521755	447766
5.767		1134105	954013
5.798		70110	53306
5.924		2728	2987
5.966		359435	315467
6.018		2135	1486
6.059		1553	1277
6.088		1629	1200
6.126	DCB	10057130	8924203
6.304		5082	3635
6.509		1435	800
6.58		10645	11931
6.679		1485	3118
6.755		2381	1937
6.905		4740	6778

AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082

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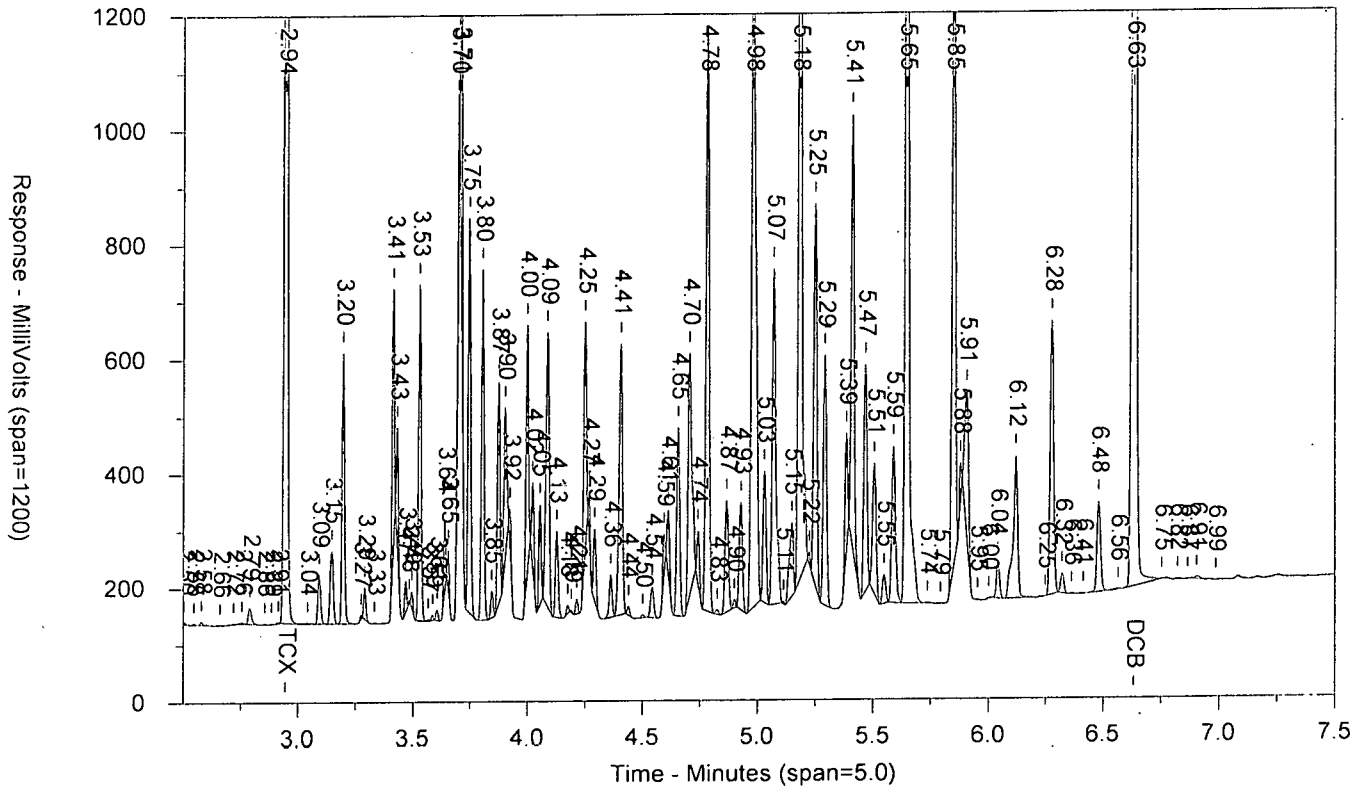

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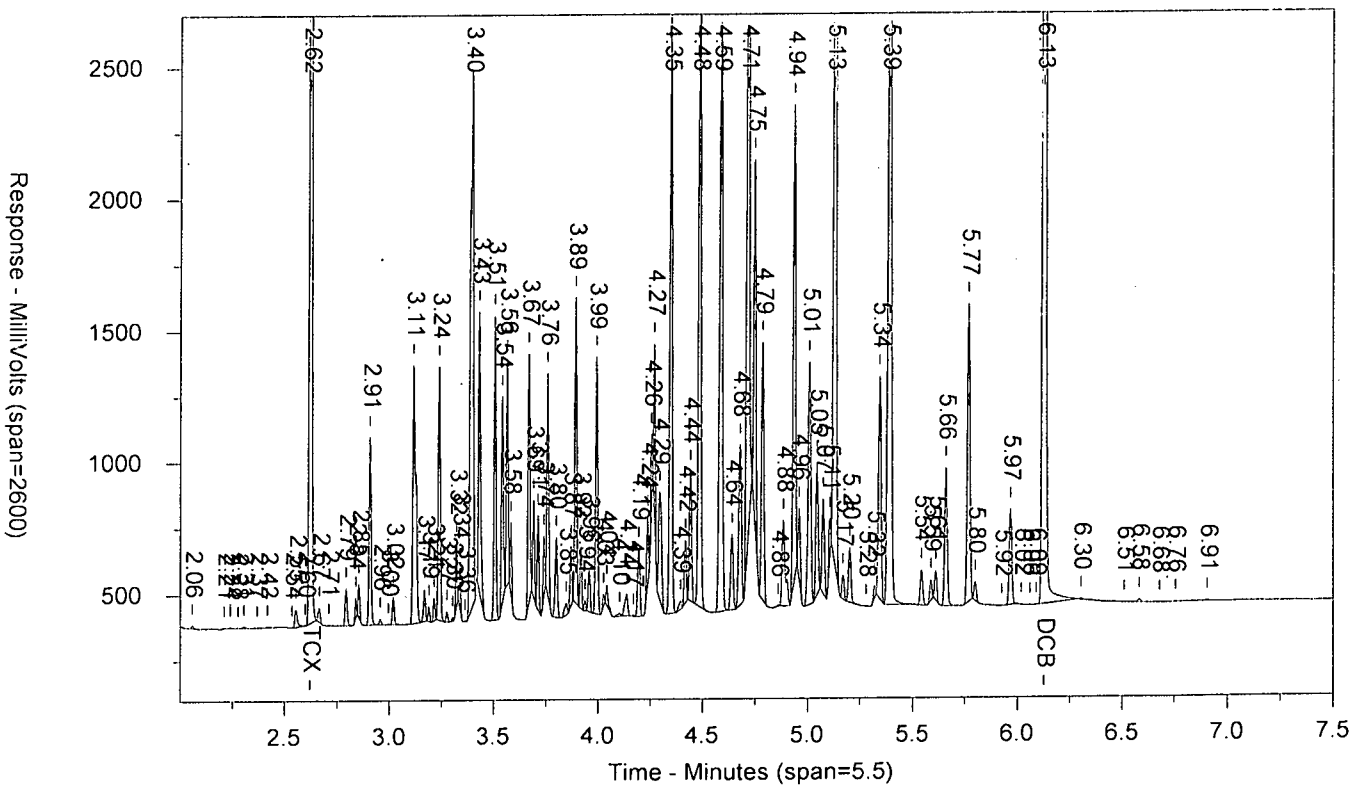

LANCASTER LABORATORIES

Sample Number: AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:25:55 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	5896264	42.184	TCX	2.621	9117704	47.88	TCX
6.63	3987474	40.001	DCB	6.126	10057130	42.664	DCB

Files:
Area File: 25pcbs17116016.033.RAW
Area File: 25pcbs17116016B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 11:34:28 PM
File Reported On: 5/21/2017 at 11:34:37 PM

AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082

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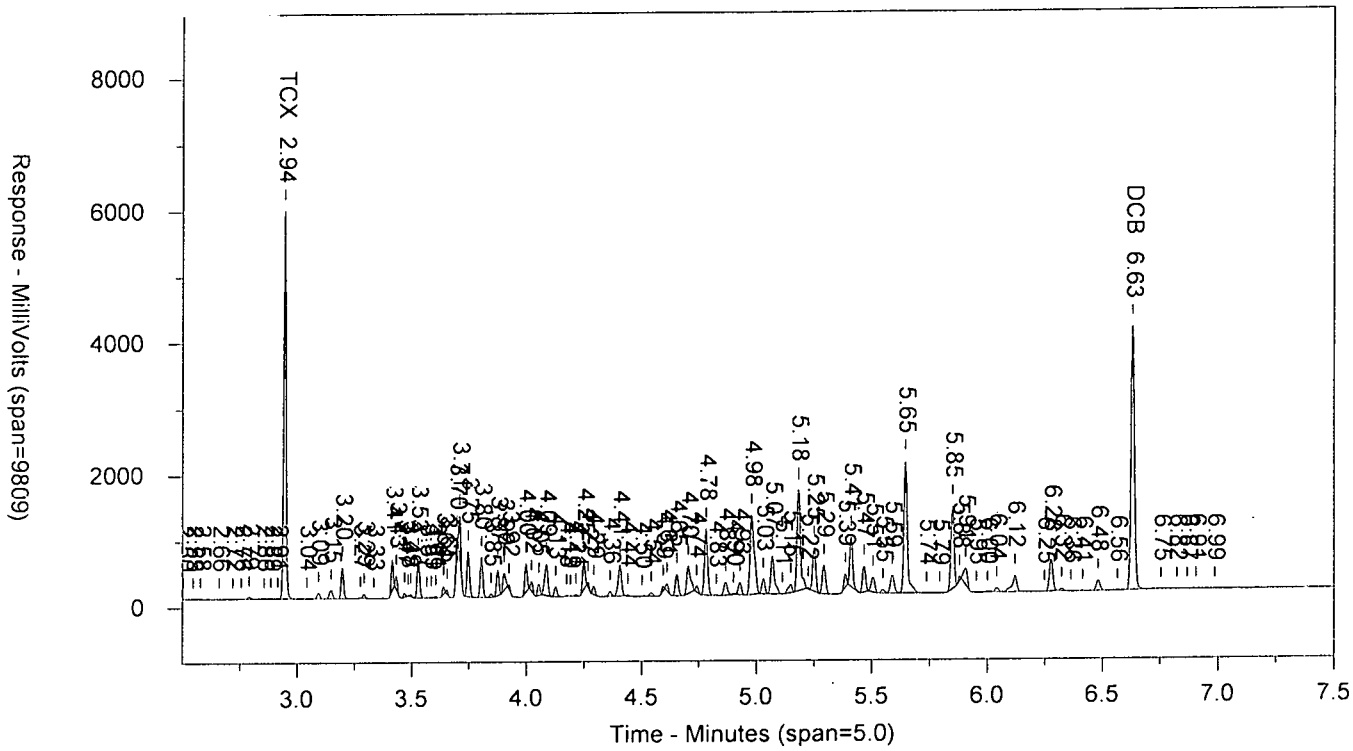

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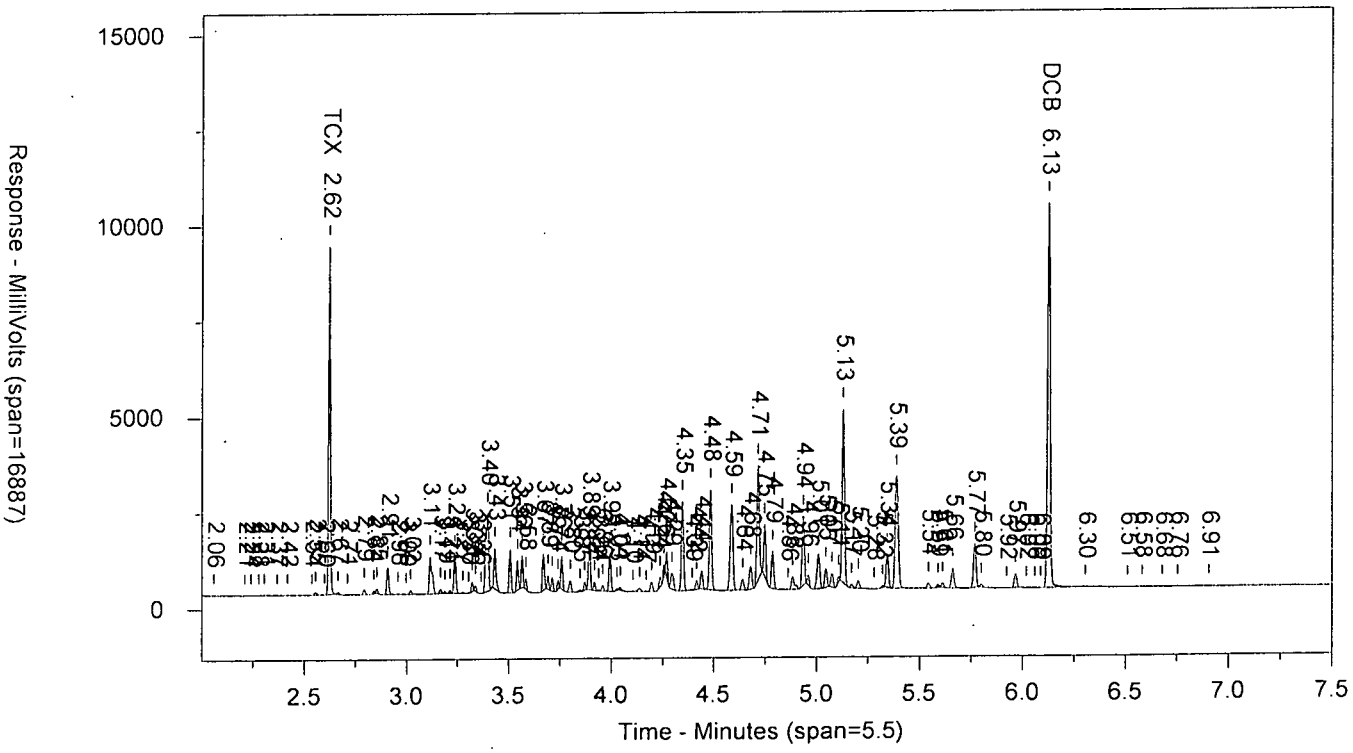


LANCASTER LABORATORIES

Sample Number: IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:37:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		930	707
2.045		8213	8420
2.091		6082	8158
2.24		13698	12345
2.295		1762	2407
2.34		22105	18476
2.376		2257	1908
2.447		493	381
2.505		5936	7554
2.547		1586	2008
2.603		780	676
2.658		920	860
2.7		564	280
2.716		370	169
2.745		699	667
2.791		21324	20508
2.884		1278	1014
2.914		3227	2395
2.945	TCX	2877262	1990277
3.043		834	738
3.062		562	383
3.143		39663	27138
3.194		539	314
3.275		8487	11448
3.4		1498	1761
3.422		434	341
3.462		698	504
3.519		1436	2413
3.56		722	633
3.587		5437	3731
3.629		3870	3736
3.677		785	311
3.694		5706	4385
3.74		1033	1277
3.794		965	1015
3.869		1857	2155
3.918		662	523
3.963		3427	3918
4.009		634	670
4.053		784	916
4.09		277	61
4.113		436	395
4.193		13657	14209
4.236		2717	2585
4.3		7519	8904
4.353		633	583
4.396		877	1003
4.426		581	359
4.479		312	129
4.52		490	413
4.541		730	688
4.604		1850	2819
4.655		4382	5939
4.711		223	149

RT A	Compound A	Height A	Area A
4.743		705	456
4.837		325	316
4.861		689	591
4.904		5871	7003
4.975		351	296
5.018		5551	8429
5.062		1034	890
5.09		696	528
5.144		9669	9465
5.185		423	310
5.228		651	684
5.286		406	127
5.331		408	485
5.371		4409	6398
5.436		1571	2362
5.475		474	384
5.498		499	341
5.545		8348	8996
5.669		15475	14575
5.695		1714	2068
5.782		640	413
5.85		1830	3395
5.907		975	1674
5.97		627	708
6.008		2840	3715
6.042		23115	22237
6.106		26252	30817
6.169		849	1378
6.241		560	756
6.302		598	1316
6.366		1031	1627
6.409		619	498
6.481		21330	24924
6.561		1505	1830
6.63	DCB	2051906	2105487
6.724		787	389
6.758		409	180
6.781		1555	2097
6.831		1379	2176
6.877		775	391
6.914		3418	4177

LANCASTER LABORATORIES

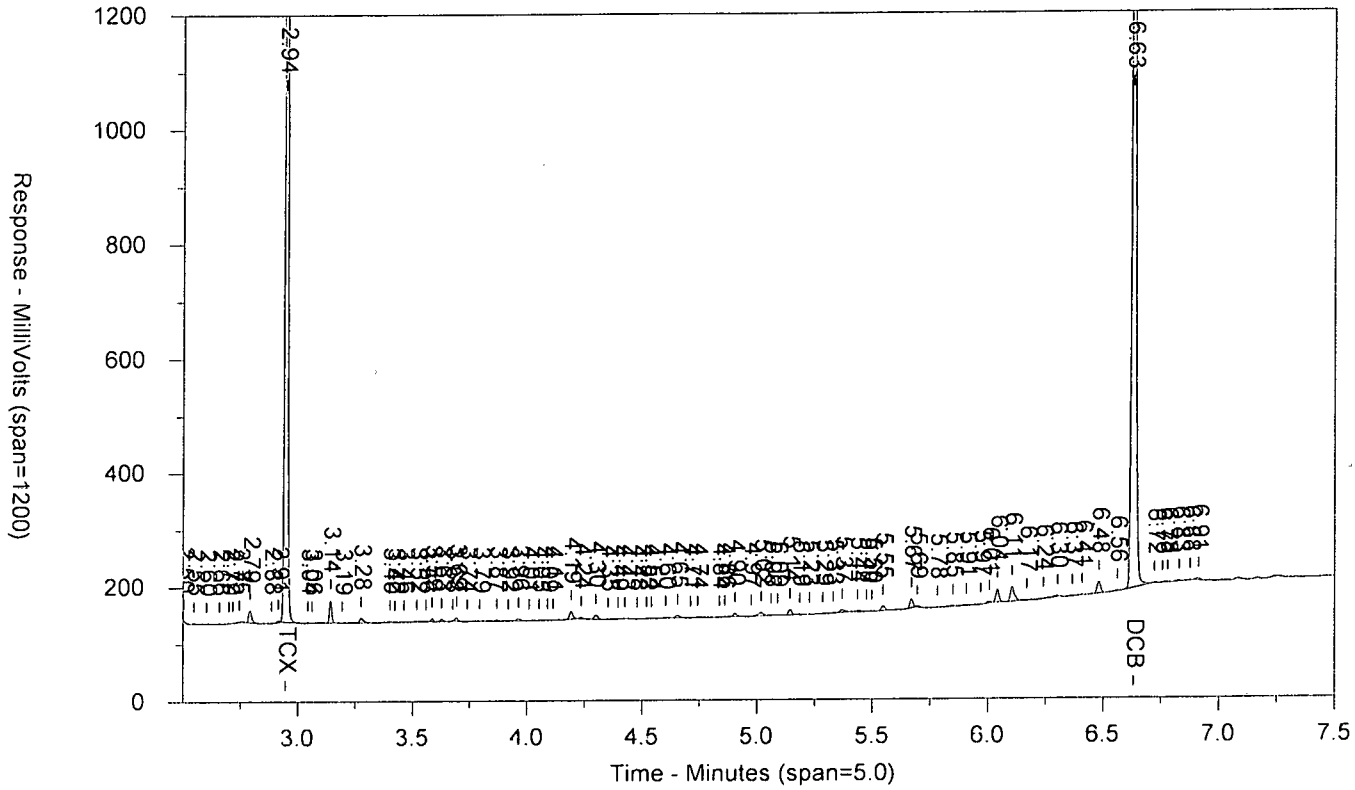
Sample Number: IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:37:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		5345	5170
2.129		1447	1316
2.21		2982	3167
2.24		2951	3024
2.281		1420	2221
2.367		1683	1758
2.421		1667	2086
2.479		4176	13978
2.539		2836	1298
2.554		47005	38293
2.621	TCX	4231748	2586386
2.773		1103	1282
2.84		52673	31618
2.89		1577	2014
2.956		11878	7961
2.998		2147	2170
3.117		3470	3220
3.164		1675	4509
3.197		1320	2661
3.303		11472	8819
3.338		10449	7139
3.391		5336	3488
3.423		4676	7333
3.573		2638	2896
3.598		2658	14485
3.691		6362	12831
3.731		3222	3541
3.77		1253	594
3.841		2815	3345
3.96		38867	52555
4.027		2579	3931
4.093		7523	6870
4.131		1200	1164
4.171		4552	6330
4.251		5353	21185
4.303		1014	763
4.383		1098	871
4.46		16123	14024
4.51		1973	5741
4.588		1367	1232
4.662		1935	1109
4.686		19580	27789
4.789		5711	8936
4.862		1896	2472
4.939		1587	3968
5.004		2976	10039
5.082		16428	13603
5.152		736	593
5.202		40161	33455
5.341		2157	2959
5.391		4727	10741
5.506		752	1532
5.544		54773	48171
5.612		58807	54713

RT B	Compound B	Height B	Area B
5.661		15358	15206
5.865		1825	5257
5.93		1604	1758
5.967		49077	41576
6		1983	1647
6.126	DCB	4898368	4371360
6.342		3639	3115
6.582		4930	6362
6.837		1057	1040
6.906		4136	5090

IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.034.RAW



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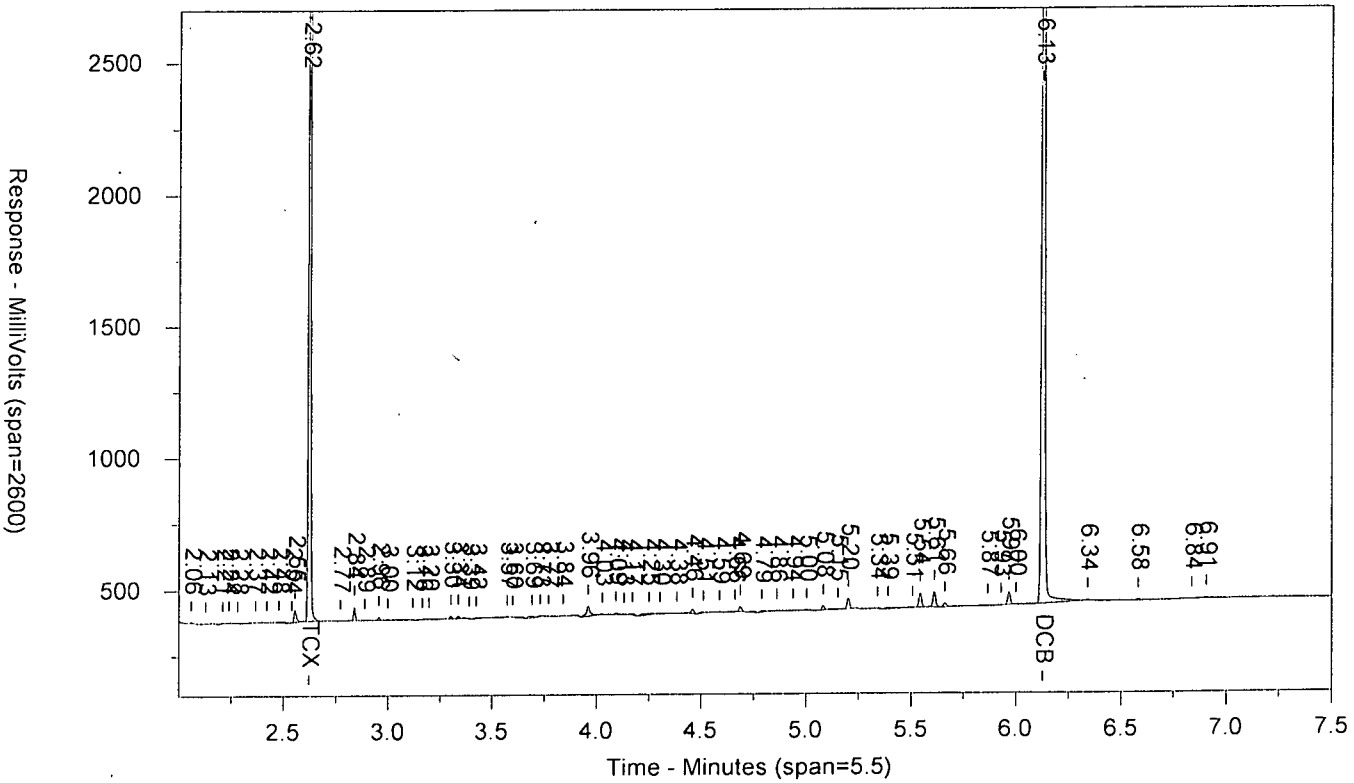

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:37:16 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2877262	.206	TCX	2.621	4231748	.222	TCX
6.63	2051906	.206	DCB	6.126	4898368	.208	DCB

Files:
Area File: 25pcbs17116016.034.RAW
Area File: 25pcbs17116016B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 11:45:48 PM
File Reported On: 5/21/2017 at 11:45:53 PM

IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082

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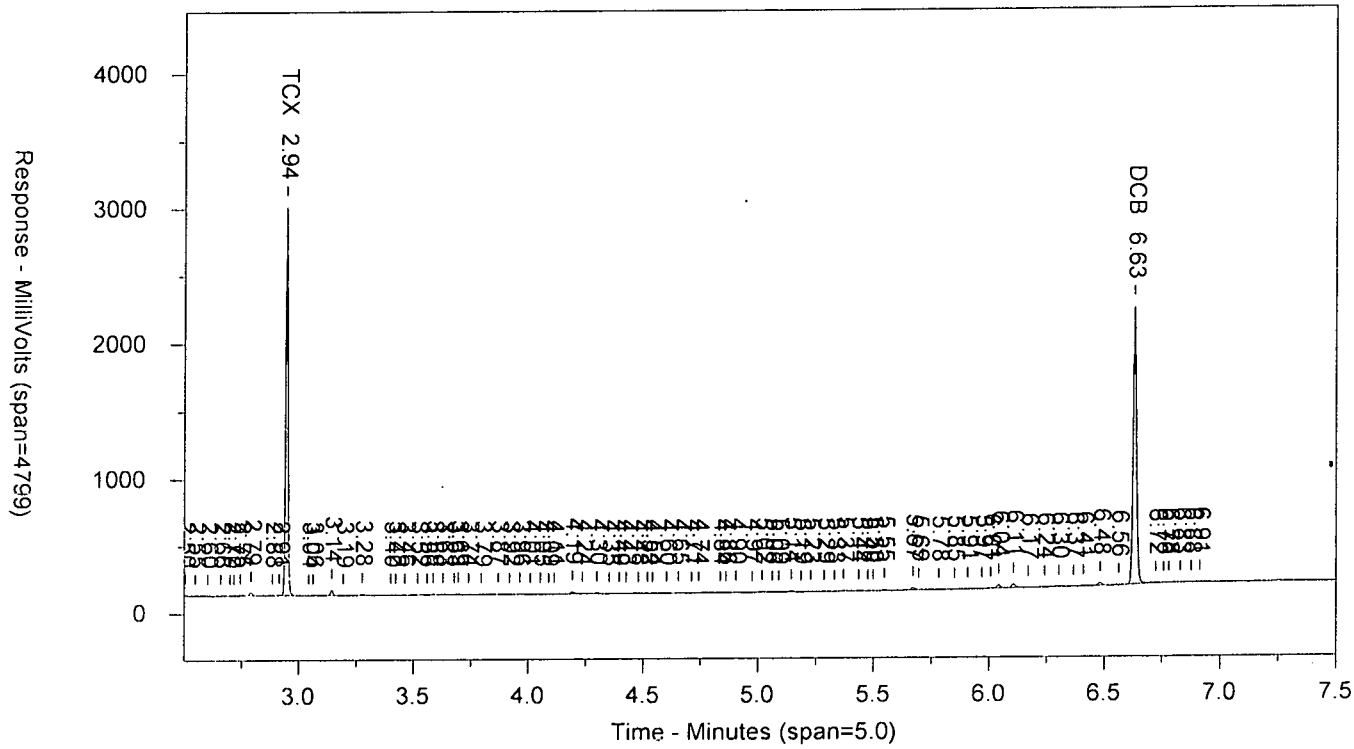

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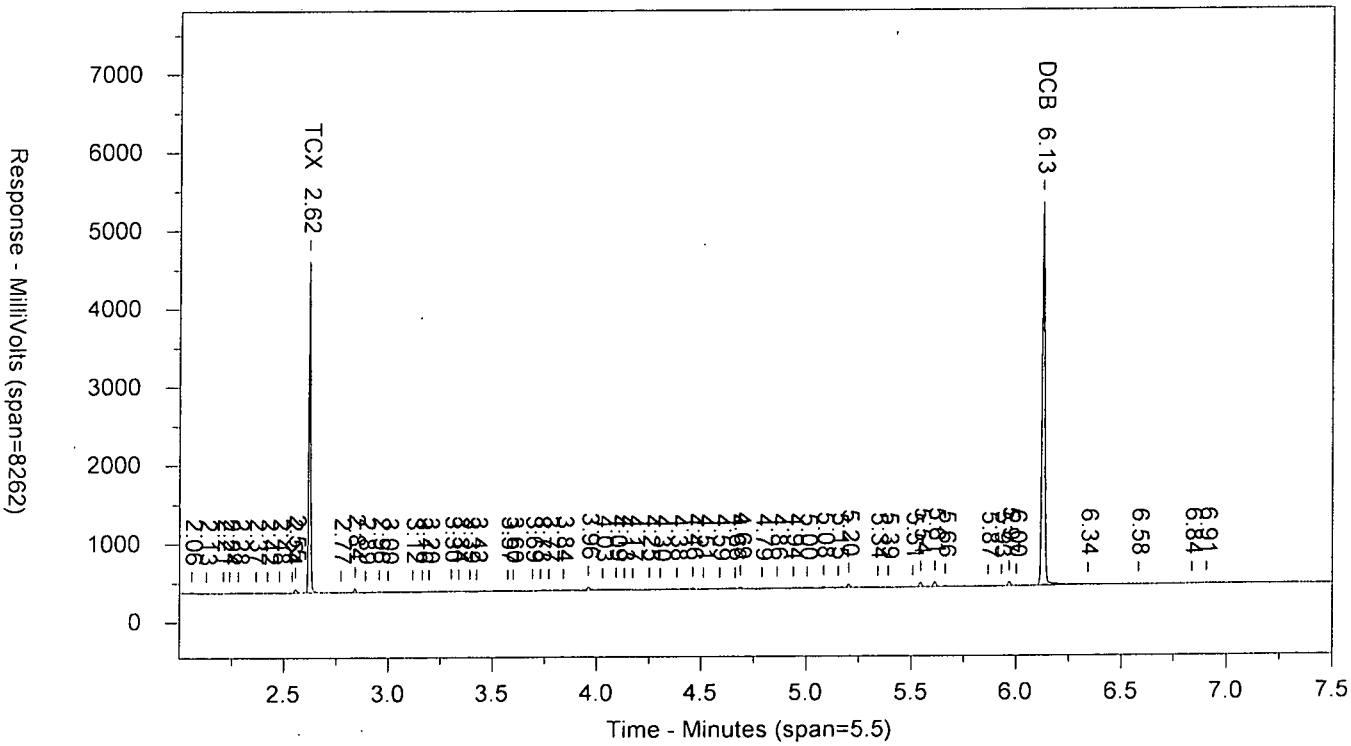

LANCASTER LABORATORIES

Sample Number: AR1631724A CYAR163CY CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:35:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.055.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.011		729	440
2.047		8171	8360
2.096		6340	9006
2.179		1771	961
2.241		25330	20527
2.303		969	1292
2.341		29833	26193
2.378		2340	2491
2.44		680	699
2.505		4091	3960
2.547		2829	2519
2.581		5420	3813
2.671		1003	1141
2.704		648	627
2.72		2114	1311
2.756		2627	3528
2.793		20137	18451
2.858		1443	1135
2.887		1498	1150
2.916		2666	1854
2.947	TCX	5877074	4092889
3.04		1311	1292
3.064		1003	482
3.095		81706	72440
3.15		125866	124352
3.199		461366	348377
3.277		7294	3606
3.293		55694	36779
3.335		1583	998
3.387		507	172
3.417		457126	282595
3.434		214842	114561
3.471		59365	34246
3.487		5135	1928
3.498		31608	16463
3.533		585074	462228
3.571		2697	1270
3.589		6000	3461
3.609		19600	13106
3.644		121238	74653
3.659		65421	31623
3.702		245460	140682
3.713		575947	309021
3.75		719870	552918
3.808		635689	487482
3.849		46930	34219
3.879		393574	305476
3.906		258649	223357
3.928		68612	37106
4.003		421537	322982
4.027		147830	96145
4.059		167493	125632
4.092		506521	476642
4.132		150787	128644

RT A	Compound A	Height A	Area A
4.18		15360	10187
4.195		4987	2509
4.219		26722	18988
4.254		418169	319842
4.272		67658	33764
4.296		127231	101450
4.367		75145	65496
4.41		465898	477588
4.443		16235	11525
4.485		346	149
4.506		4848	4028
4.547		54449	51533
4.599		64405	42301
4.614		102823	74013
4.659		333699	305325
4.709		422302	482621
4.746		90839	65900
4.785		974358	955690
4.829		8704	7555
4.87		190481	201176
4.905		16858	11640
4.931		191356	177338
4.983		1198490	1550483
5.034		226789	212482
5.073		576020	647075
5.116		4699	2173
5.152		127885	154518
5.186		1489082	1589883
5.228		14531	6428
5.254		634698	626992
5.296		432955	426217
5.39		194982	156638
5.414		739483	642864
5.47		389611	370604
5.509		225411	233991
5.55		53612	54809
5.591		272242	309424
5.649		1907612	2070833
5.747		2631	3216
5.784		371	258
5.852		1175598	1118743
5.882		82439	48910
5.907		247236	282905
5.952		1407	1304
6.012		1760	2645
6.045		67001	66081
6.122		228761	358911
6.237		1454	2623
6.278		464083	496629
6.324		34634	33144
6.365		4468	4025
6.412		1775	1917
6.483		160174	176432
6.565		1101	911
6.632	DCB	3932260	4088686
6.769		2602	4047
6.823		1915	2969
6.88		586	626
6.91		3943	6096
6.965		896	626

LANCASTER LABORATORIES

Sample Number: AR1631724A CYAR163CY CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:35:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.055.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		10909	8496
2.158		2251	2041
2.21		3979	4092
2.241		3676	4101
2.305		6285	5249
2.365		2391	3372
2.419		3072	2634
2.48		2782	7608
2.538		3013	1518
2.554		41170	33655
2.598		2835	1400
2.621	TCX	8844890	5366414
2.665		55238	40376
2.712		2426	2633
2.769		1597	1067
2.793		138352	94580
2.84		78918	38196
2.854		120914	65917
2.907		713816	459358
2.956		23095	14363
2.997		1234	637
3.019		100855	65230
3.115		986769	957078
3.167		120972	75589
3.189		54652	31759
3.214		88150	49286
3.238		962344	654580
3.276		37934	23697
3.303		9256	4386
3.322		247365	131573
3.338		160352	80683
3.368		3076	1691
3.398		2071785	2095200
3.432		1125106	842049
3.507		1171377	724316
3.543		782309	491207
3.566		838231	472926
3.585		259893	134243
3.671		990676	638573
3.694		366975	203714
3.715		339009	202834
3.744		232924	121241
3.761		842615	513777
3.802		303138	222980
3.851		46738	40448
3.873		225923	134525
3.895		1159806	769577
3.92		233478	138066
3.94		41499	20535
3.96		157421	108485
3.995		975203	671533
4.029		44961	26262
4.044		78631	49884
4.105		10340	11313

RT B	Compound B	Height B	Area B
4.139		82584	81935
4.173		4966	2740
4.197		263477	189614
4.24		261115	155502
4.258		278000	136655
4.271		632822	357386
4.297		390255	399454
4.349		2258665	1728672
4.397		33457	28333
4.419		240695	159249
4.443		489491	360884
4.486		2616001	2017044
4.589		2196679	2138444
4.642		290214	239286
4.681		614509	544590
4.717		2958751	2472096
4.749		1337865	923024
4.788		941413	747244
4.863		3937	2597
4.887		332498	333094
4.938		1753534	1386282
4.961		236324	159658
5.012		956187	851513
5.047		492675	388896
5.077		346936	294075
5.109		163499	94338
5.131		4385794	3539449
5.172		95184	69250
5.204		215598	176516
5.322		43502	27923
5.345		815538	692782
5.39		2748203	3047761
5.545		147048	128505
5.591		71559	51102
5.614		126654	97611
5.663		511095	443902
5.77		1095104	927540
5.802		67102	50222
5.924		2662	2409
5.969		355459	310314
6		2970	1697
6.022		2436	1768
6.129	DCB	9635750	8494211
6.304		3780	4275
6.351		1737	1730
6.531		1365	1296
6.584		10171	11158
6.692		1598	1435
6.795		1007	925
6.906		4590	6308

AR1631724A CYAR163CY CCAL 1714099999 10736 SW-846 8082

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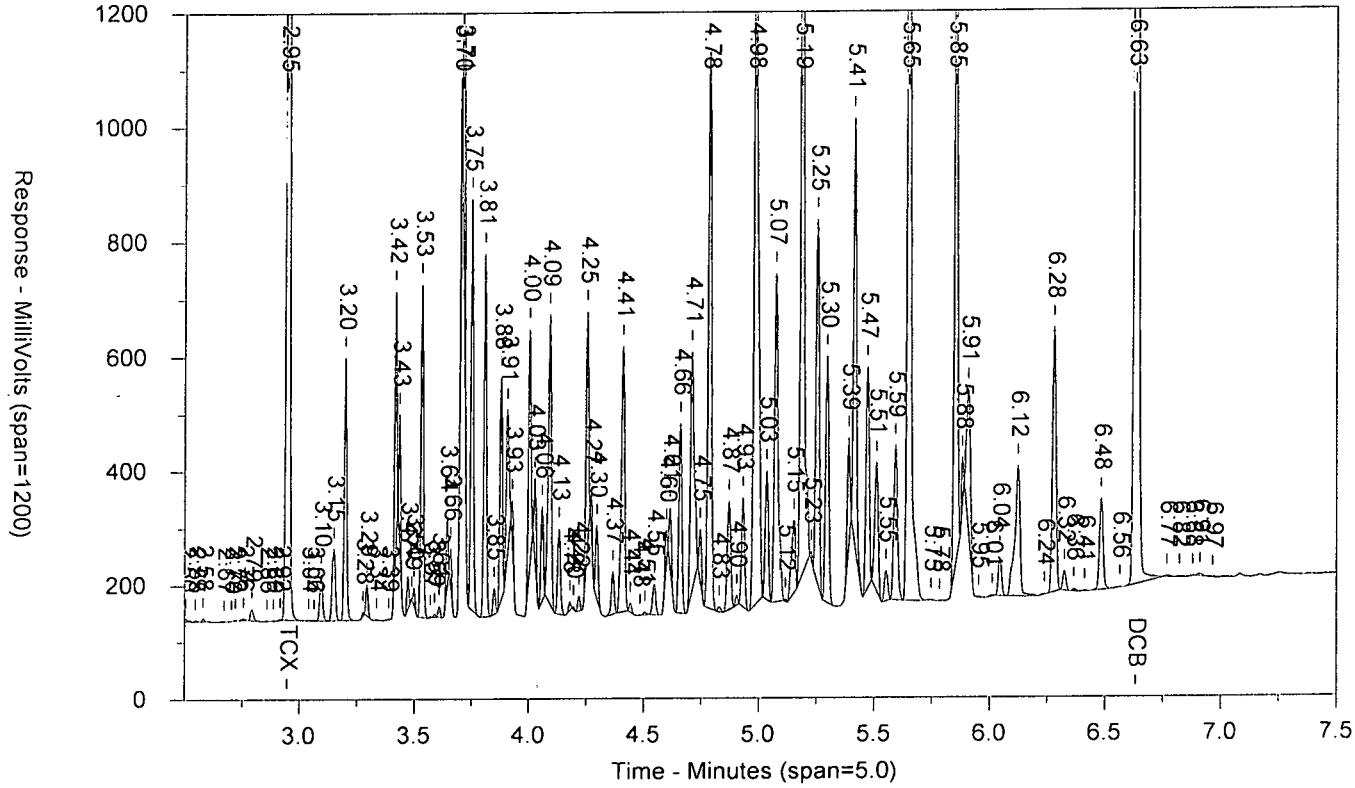

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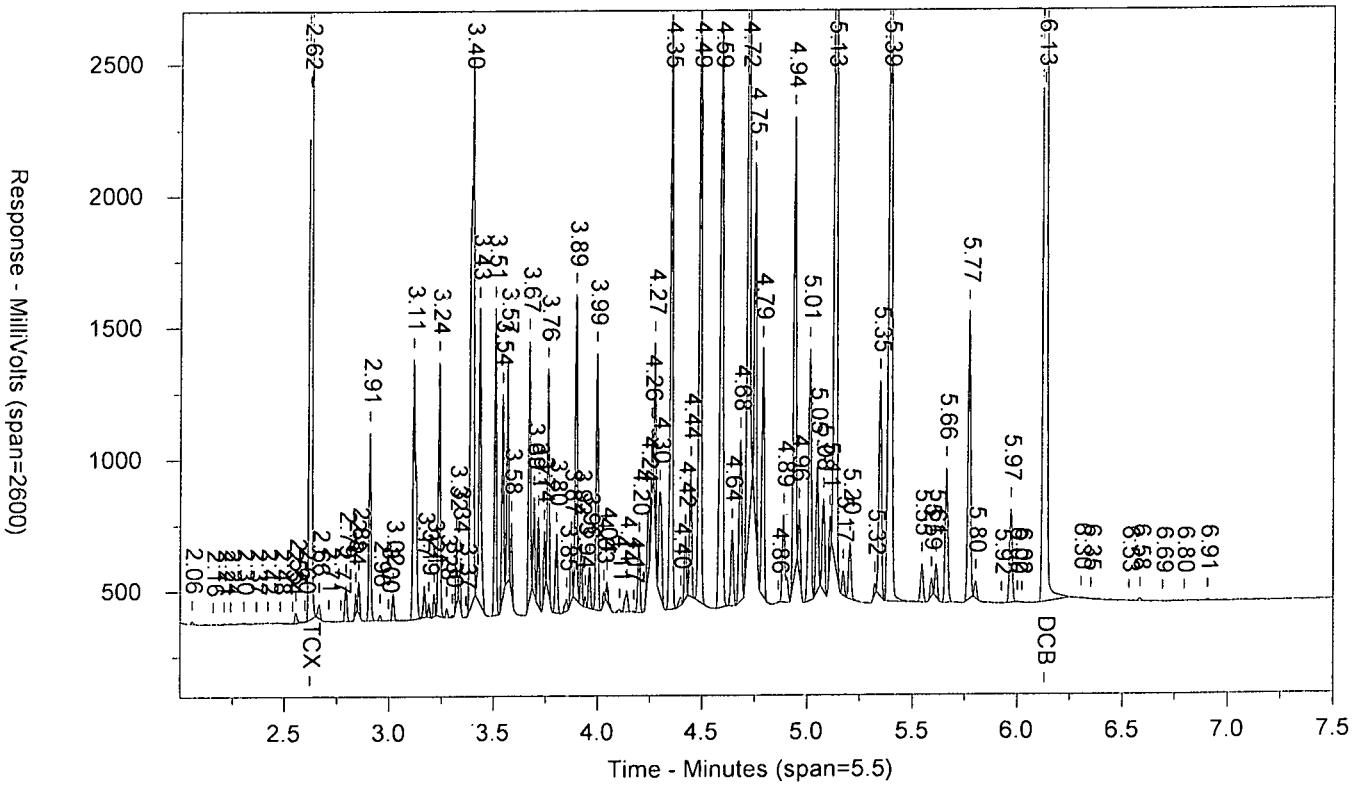

LANCASTER LABORATORIES

Sample Number: AR1631724A CYAR163CY CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:35:24 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Callbration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.947	5877074	42.047	TCX	2.621	8844890	46.447	TCX
6.632	3932260	39.447	DCB	6.129	9635750	40.876	DCB

Files:
Area File: 25pcbs17116016.055.RAW
Area File: 25pcbs17116016B.055.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 3:43:55 AM
File Reported On: 5/22/2017 at 3:44:03 AM

AR1631724A CYAR163CY CCAL 1714099999 10736 SW-846 8082

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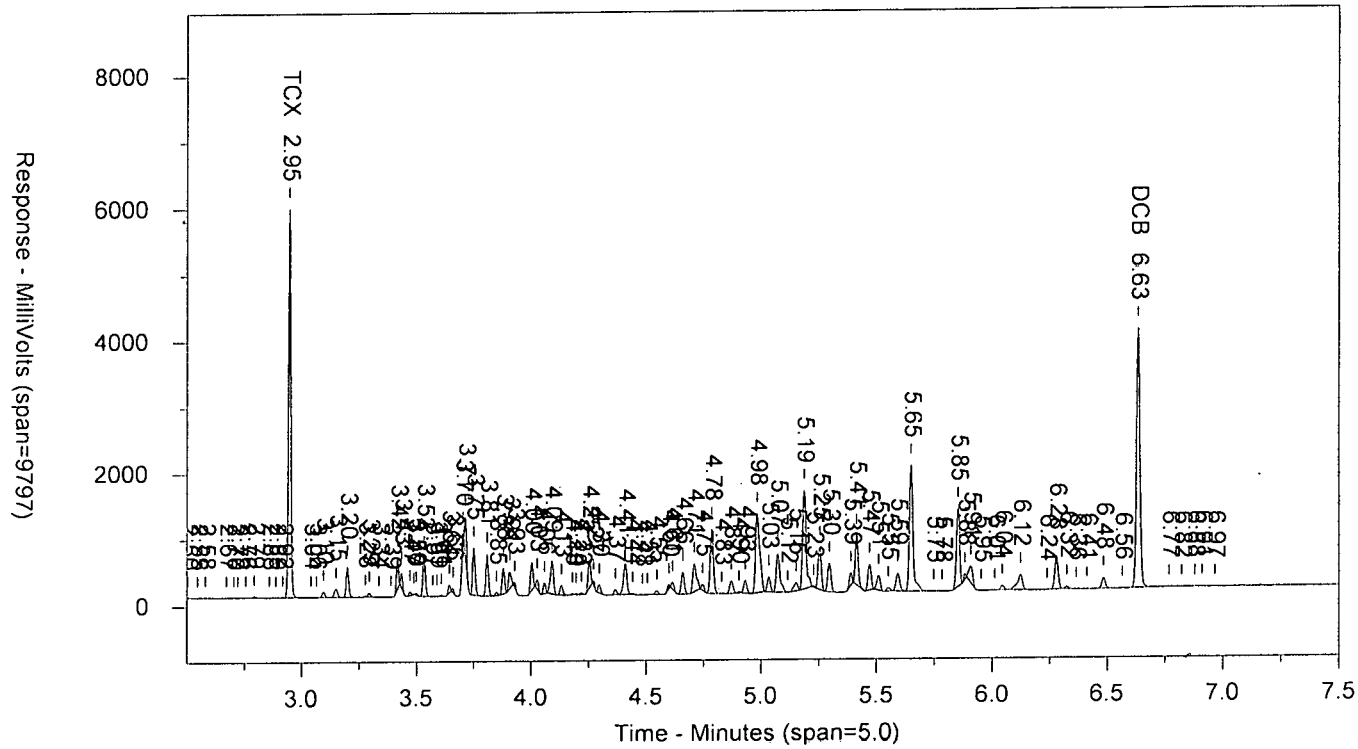

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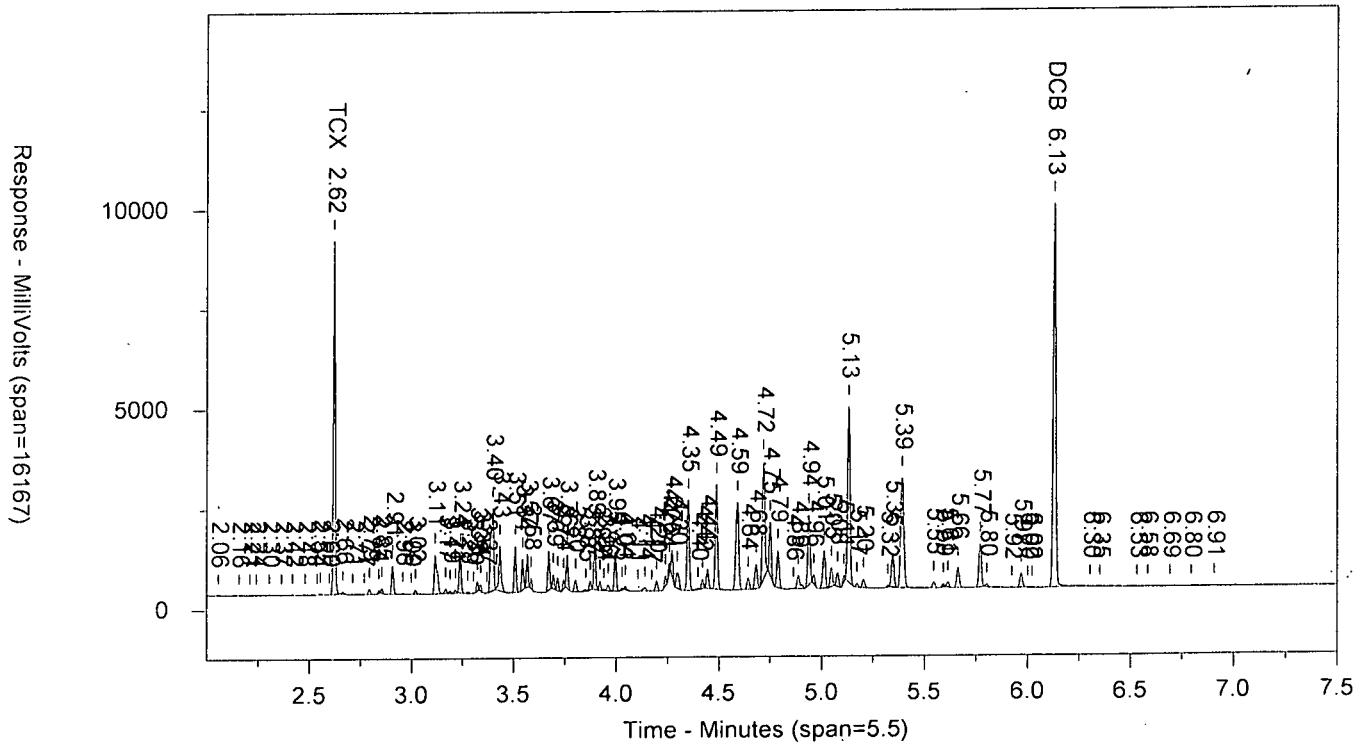

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VSPIBLKVS PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:46:42 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.056.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.013		586	412
2.044		7535	7802
2.093		6953	14000
2.176		1323	1333
2.239		13675	11846
2.296		1127	1050
2.339		24557	19676
2.374		2360	3159
2.504		5461	7025
2.547		1326	1127
2.6		1042	868
2.661		859	851
2.7		794	613
2.718		552	256
2.752		2060	3514
2.79		21075	19697
2.887		1147	921
2.913		2965	2086
2.944	TCX	2885904	2014372
3.041		738	515
3.095		586	567
3.142		39783	27727
3.198		429	164
3.228		512	296
3.275		8433	9681
3.403		954	2043
3.461		1140	989
3.521		1399	1370
3.586		6162	4078
3.613		549	250
3.629		3404	3064
3.693		7950	8280
3.748		521	576
3.772		792	343
3.798		960	1109
3.833		691	649
3.871		1520	1824
3.918		906	905
3.96		2984	4314
4.054		970	1420
4.136		694	708
4.193		13623	14333
4.236		1775	1626
4.301		7036	8372
4.359		974	1643
4.391		843	1446
4.439		501	396
4.514		399	235
4.543		758	670
4.595		797	469
4.656		4350	5851
4.741		735	977
4.795		449	348
4.83		559	586

RT A	Compound A	Height A	Area A
4.865		729	887
4.904		6435	7456
5.018		5023	9458
5.06		1498	1372
5.087		874	839
5.144		10053	9860
5.182		488	325
5.222		779	917
5.308		371	545
5.371		3903	6016
5.443		1559	2515
5.546		8963	9359
5.603		551	202
5.615		406	249
5.67		17545	15892
5.696		1616	1787
5.751		347	172
5.787		721	813
5.821		699	414
5.85		1284	1496
5.912		642	718
5.961		586	574
6.006		2444	2823
6.041		23253	23483
6.105		28067	32435
6.239		594	926
6.272		463	764
6.304		2661	4653
6.365		1296	2127
6.415		1231	2206
6.48		22272	24698
6.527		469	325
6.565		1153	1797
6.628	DCB	1952444	2112535
6.741		772	1450
6.768		2441	3577
6.821		2163	2654
6.847		842	592
6.876		497	255
6.905		4325	5740
6.959		785	451

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VSPIBLKVS PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:46:42 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.056.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		6009	5578
2.16		3247	5978
2.209		3134	3746
2.238		3140	3376
2.286		1335	1724
2.37		1982	3430
2.419		1704	2208
2.482		3147	9323
2.539		2360	1251
2.554		43285	35434
2.62	TCX	4345742	2633281
2.711		2015	2959
2.768		1425	974
2.839		55772	35208
2.956		11488	7802
3.121		3691	3325
3.16		1448	3310
3.203		2483	4634
3.302		12545	10509
3.338		12987	8633
3.368		2772	2048
3.391		5044	3532
3.422		5563	8097
3.494		967	800
3.541		1938	1244
3.576		2187	2529
3.633		5459	14511
3.678		3202	2988
3.754		3759	12152
3.833		2034	2750
3.907		4962	5978
3.96		39442	54264
4.065		1205	943
4.093		7658	6633
4.172		4471	5496
4.242		653	6762
4.35		1557	1498
4.388		1844	2295
4.459		16186	13373
4.531		2441	11061
4.562		1753	712
4.64		1360	1206
4.687		20340	16044
4.788		2976	2819
4.937		1506	996
5.004		2270	2626
5.081		18277	15129
5.132		1305	2544
5.202		40297	36465
5.324		1165	856
5.389		5310	10562
5.543		55169	51017
5.611		64246	57629
5.661		16109	16789

RT B	Compound B	Height B	Area B
5.792		1460	2919
5.926		1912	2066
5.967		50969	42336
5.996		1817	1110
6.074		967	1565
6.125	DCB	4944415	4328467
6.342		3157	4485
6.53		1463	837
6.579		5343	7581
6.655		1519	1047
6.807		1267	1103
6.829		1606	1890
6.903		3447	4787

IBLKX1724A VSPIBLKVS PIBLK1714099999 10736 SW-846 8082

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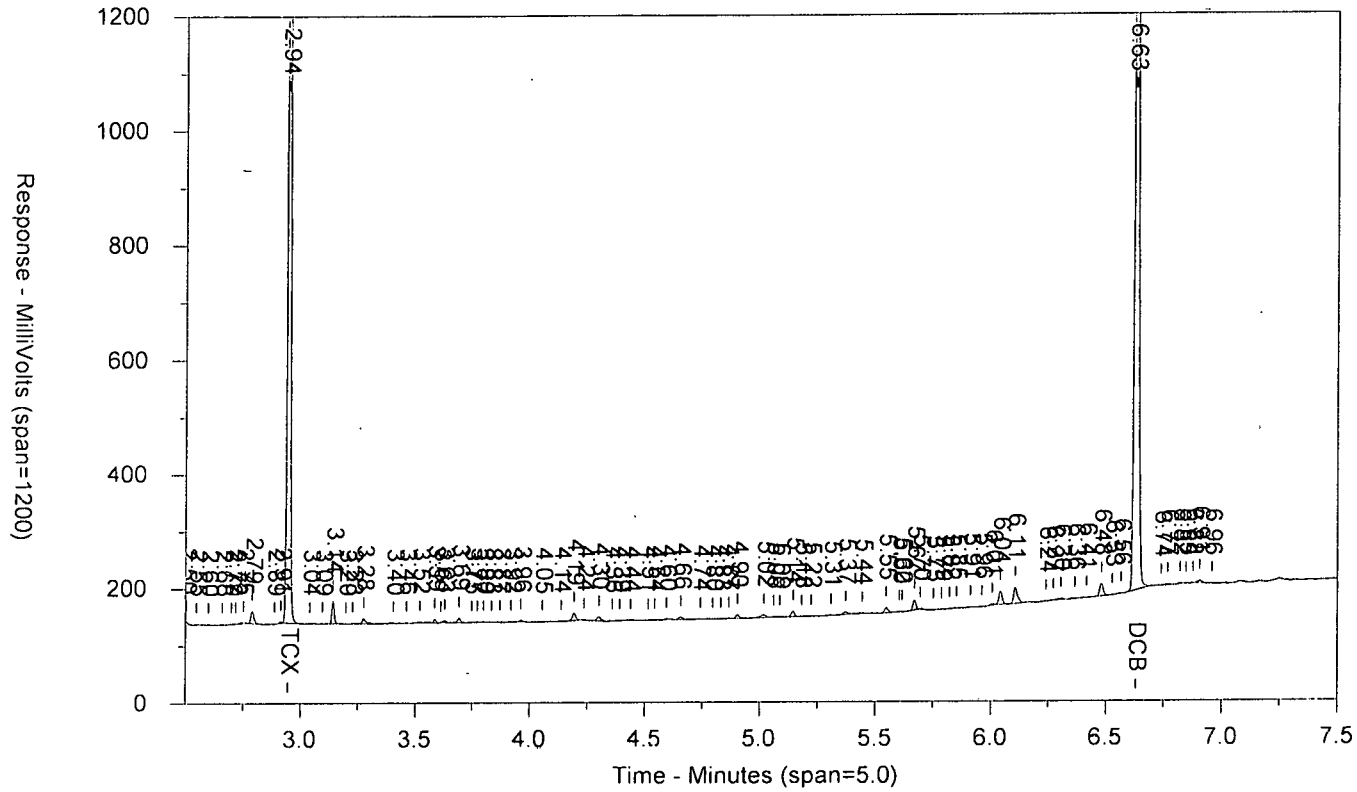

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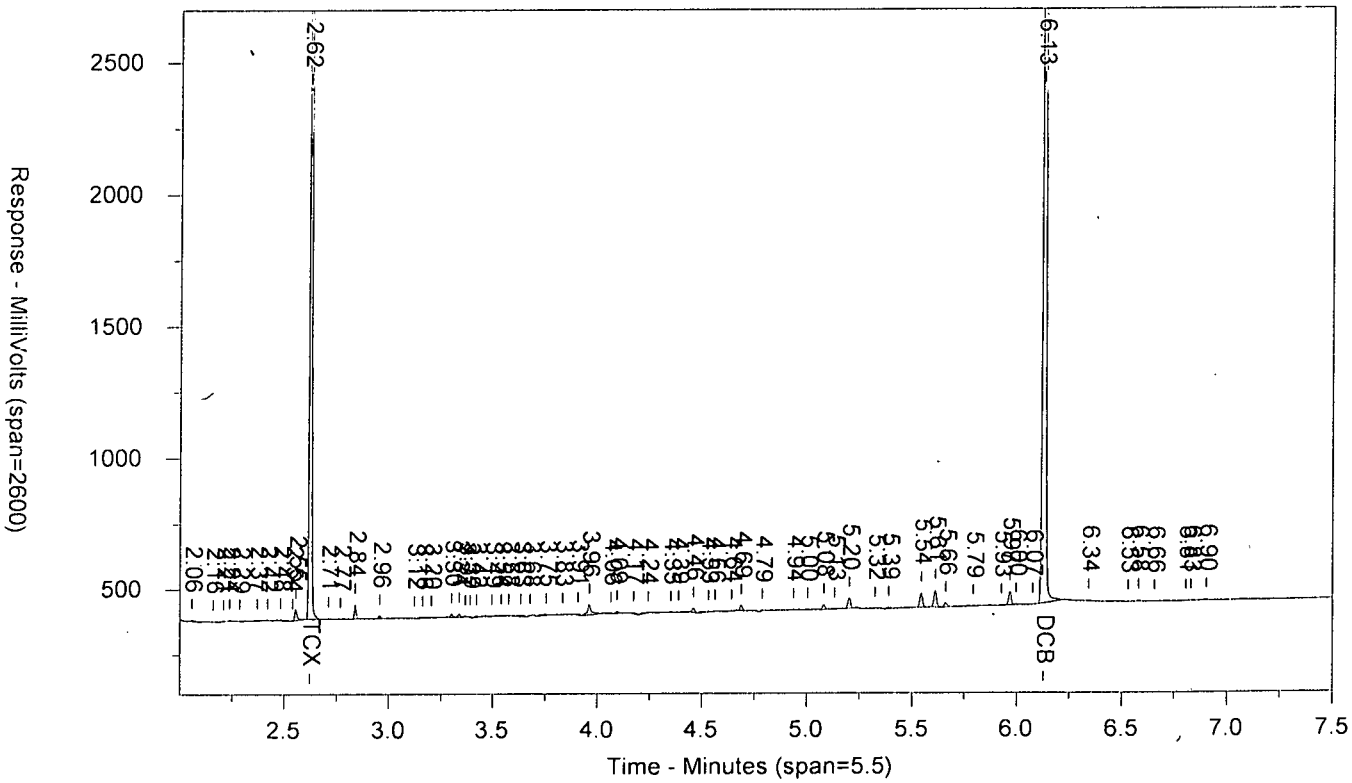

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VSPIBLKVS PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 3:46:42 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	2885904	.206	TCX	2.62	4345742	.228	TCX
6.628	1952444	.196	DCB	6.125	4944415	.21	DCB

Files:
Area File: 25pcbs17116016.056.RAW
Area File: 25pcbs17116016B.056.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 3:55:14 AM
File Reported On: 5/22/2017 at 3:55:24 AM

IBLKX1724A VSPIBLKVS PIBLK1714099999 10736 SW-846 8082

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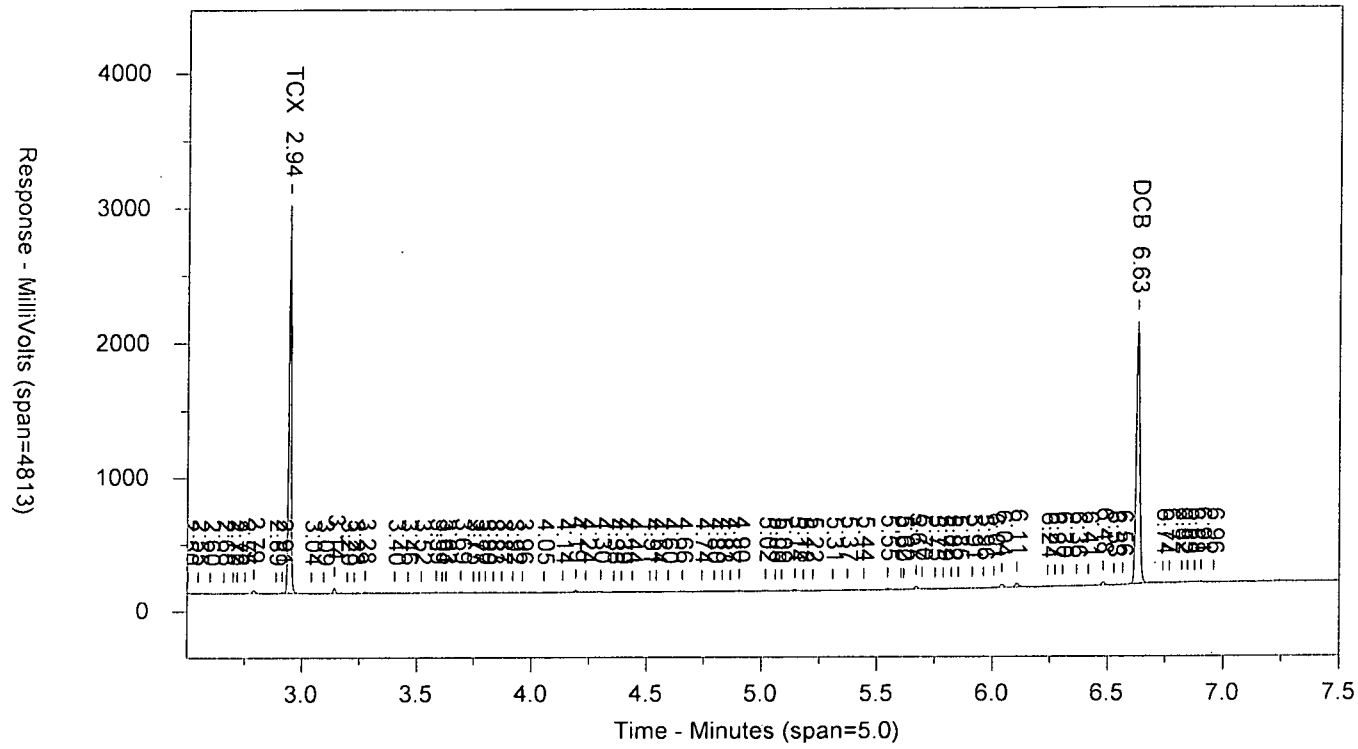

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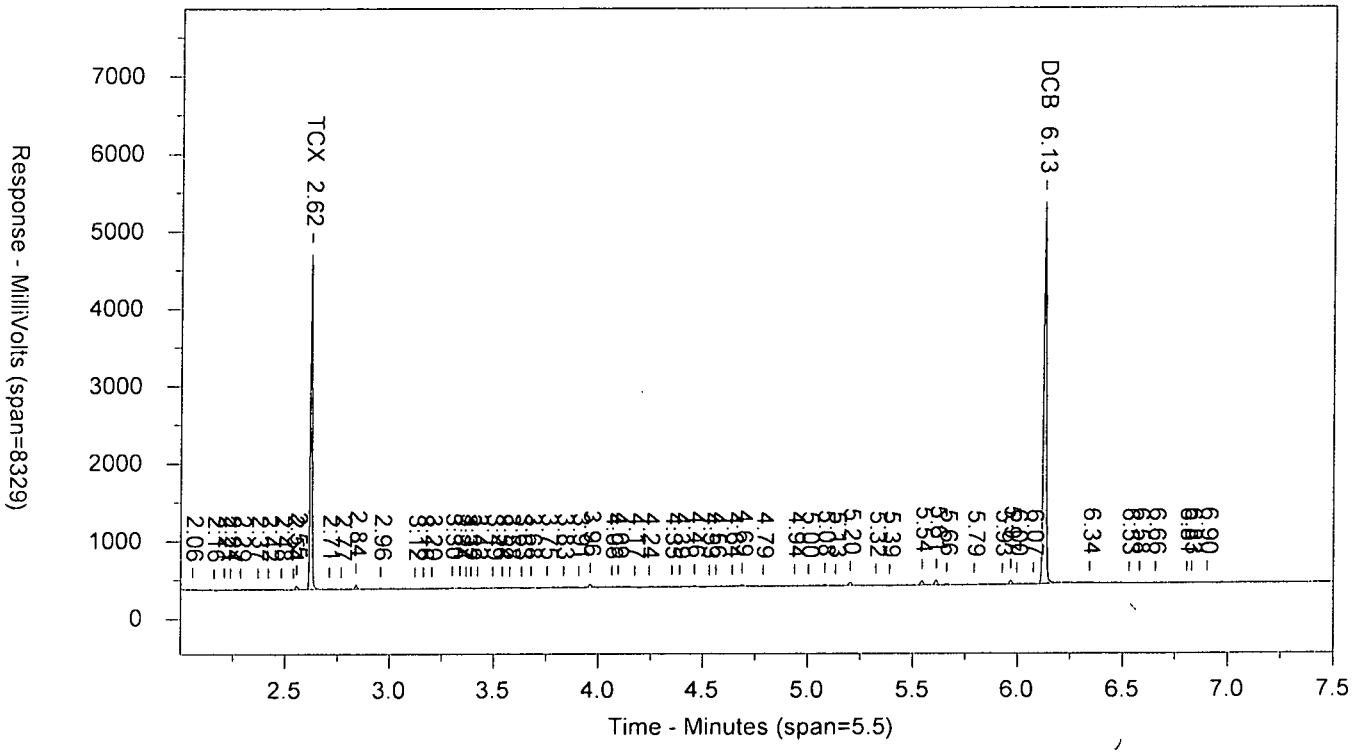

LANCASTER LABORATORIES

Sample Number: AR1631724A CZAR163CZ CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:44:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.077.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.044		8297	9263
2.091		9336	14613
2.178		1212	475
2.239		25938	20386
2.302		1220	1100
2.339		26413	24003
2.376		2384	2983
2.44		730	652
2.504		6238	7578
2.546		3751	3228
2.579		5564	3808
2.6		2425	1673
2.661		1322	1369
2.7		1173	750
2.719		1612	950
2.753		2620	3732
2.791		25361	24436
2.855		1538	1182
2.887		1925	1658
2.914		2807	1973
2.945	TCX	5980623	4199132
3.033		1652	1411
3.061		1527	1106
3.093		87580	77382
3.148		128913	128199
3.197		473900	358353
3.275		7200	3531
3.291		56653	37344
3.334		1847	1356
3.387		1205	859
3.415		477581	290429
3.432		215347	116950
3.469		57551	34539
3.485		4896	1984
3.496		29353	16152
3.53		606967	473541
3.568		2831	1433
3.587		6425	3824
3.607		19960	13712
3.641		122889	74707
3.656		60531	31151
3.7		223535	152183
3.711		579925	305023
3.748		710555	561062
3.806		634979	493460
3.848		47110	35224
3.877		403047	308377
3.904		265962	230539
3.926		70887	37534
4.001		456973	335944
4.025		146084	100889
4.057		179967	128779
4.09		509805	485196
4.13		154256	132460

RT A	Compound A	Height A	Area A
4.178		16183	11055
4.193		4304	1930
4.217		28294	20074
4.252		413928	312982
4.269		63883	36899
4.294		130628	102300
4.365		77217	67851
4.408		474785	486983
4.442		17427	12935
4.484		429	245
4.504		5316	4399
4.545		63078	59892
4.596		62598	45783
4.613		113871	78269
4.657		331323	313711
4.708		430194	492492
4.744		98575	71196
4.783		997152	973673
4.828		11342	9276
4.868		196221	205724
4.903		19102	13340
4.93		194586	179778
4.981		1222073	1586419
5.033		231038	215737
5.071		581199	659474
5.113		5271	2622
5.149		131290	160565
5.185		1550815	1618297
5.226		22936	10116
5.252		663947	641768
5.294		449854	435795
5.387		197712	160047
5.412		740475	666555
5.468		393258	377653
5.506		237464	241071
5.549		56533	57377
5.589		268923	318498
5.647		1891296	2125808
5.74		2578	3686
5.789		1168	1317
5.851		1214021	1149559
5.881		86111	52149
5.908		270700	299185
5.95		3152	2731
6.012		2421	3278
6.043		72060	73452
6.122		245668	359589
6.187		819	451
6.221		1648	2674
6.278		482896	506019
6.324		34494	33492
6.367		2931	3086
6.411		1478	1408
6.482		166072	173127
6.563		3079	5339
6.632	DCB	3934207	4178121
6.721		1664	1972
6.772		2549	5815
6.828		1497	2185
6.887		3447	7671
6.953		771	1403

LANCASTER LABORATORIES

Sample Number: AR1631724A CZAR163CZ CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:44:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.077.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		10836	9380
2.11		1330	1753
2.16		5925	7289
2.21		2696	3481
2.245		3534	4390
2.282		1872	1186
2.304		7131	5341
2.363		2939	5257
2.414		3508	3706
2.48		4485	11558
2.537		3011	1587
2.553		49849	41452
2.597		2449	1389
2.621	TCX	9130292	5497767
2.665		56382	40970
2.709		3724	4428
2.768		2674	2103
2.793		144550	99589
2.839		77804	37626
2.854		128606	68248
2.906		736044	466908
2.956		24045	16342
3.018		101156	68120
3.114		992012	962255
3.166		118580	75293
3.188		55710	32088
3.214		86447	48607
3.237		968828	657491
3.275		39721	25732
3.302		9652	4222
3.321		243737	131807
3.337		147393	73104
3.366		4701	2445
3.397		2049691	2091329
3.431		1065771	720575
3.506		1167360	730268
3.542		789989	494893
3.565		831284	475859
3.583		265169	135197
3.67		988440	637100
3.693		371065	204494
3.714		343228	206038
3.743		230541	119422
3.76		871319	519215
3.801		309270	222730
3.849		48005	43244
3.871		218286	133201
3.894		1183847	774942
3.919		227234	137180
3.939		43410	21136
3.959		159684	105454
3.993		961973	679018
4.027		45314	27702
4.042		76678	48790

RT B	Compound B	Height B	Area B
4.104		10575	11706
4.139		87485	94618
4.171		6683	3383
4.195		264494	188190
4.238		261084	155627
4.256		262538	132759
4.27		646900	357931
4.296		405898	406883
4.348		2269455	1729227
4.395		32960	30344
4.418		255932	166835
4.442		498409	368850
4.485		2631140	2019423
4.587		2286994	2172149
4.64		290016	238228
4.679		612469	534304
4.715		2995455	2486411
4.748		1330467	945511
4.786		967843	749559
4.857		3235	3740
4.885		336698	345534
4.936		1773124	1413402
4.96		264709	172039
5.01		968246	864707
5.046		495624	393659
5.076		356178	298071
5.108		160391	94249
5.129		4466186	3617626
5.171		91675	70613
5.202		229123	192691
5.28		1920	1425
5.32		49466	31466
5.344		856722	701623
5.388		3041890	3147658
5.49		8125	9167
5.544		151864	138084
5.589		76409	53117
5.612		140490	111548
5.661		515555	443931
5.767		1112087	941838
5.8		69429	51929
5.922		3199	3384
5.967		361895	316284
5.999		3442	1905
6.021		2306	1528
6.092		1791	1373
6.127	DCB	10003910	8546158
6.184		3205	3205
6.306		6140	17319
6.428		3040	8515
6.535		3407	6611
6.581		10182	14711
6.658		2616	2579
6.758		2169	2615
6.825		2542	4068
6.907		5184	11361

AR1631724A CZAR163CZ CCAL 1714099999 10736 SW-846 8082

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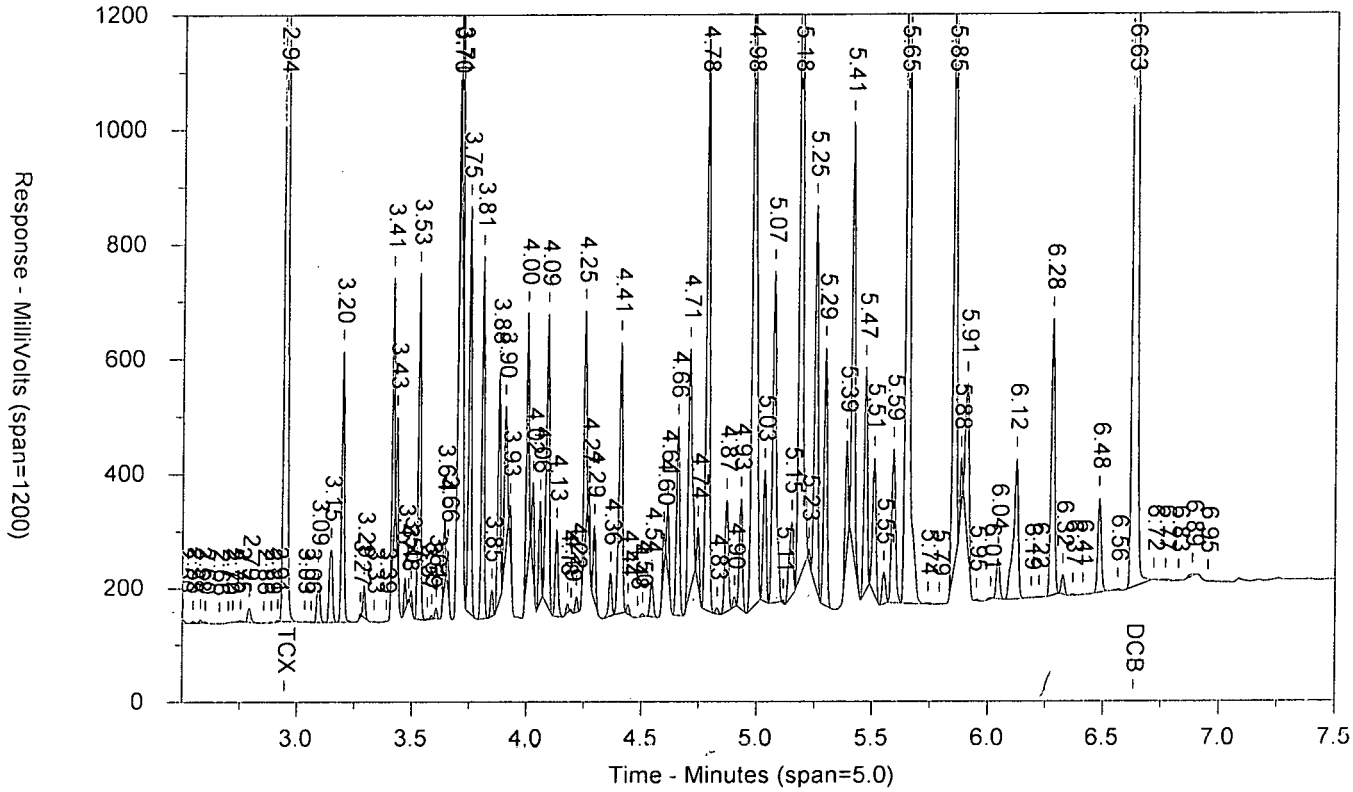

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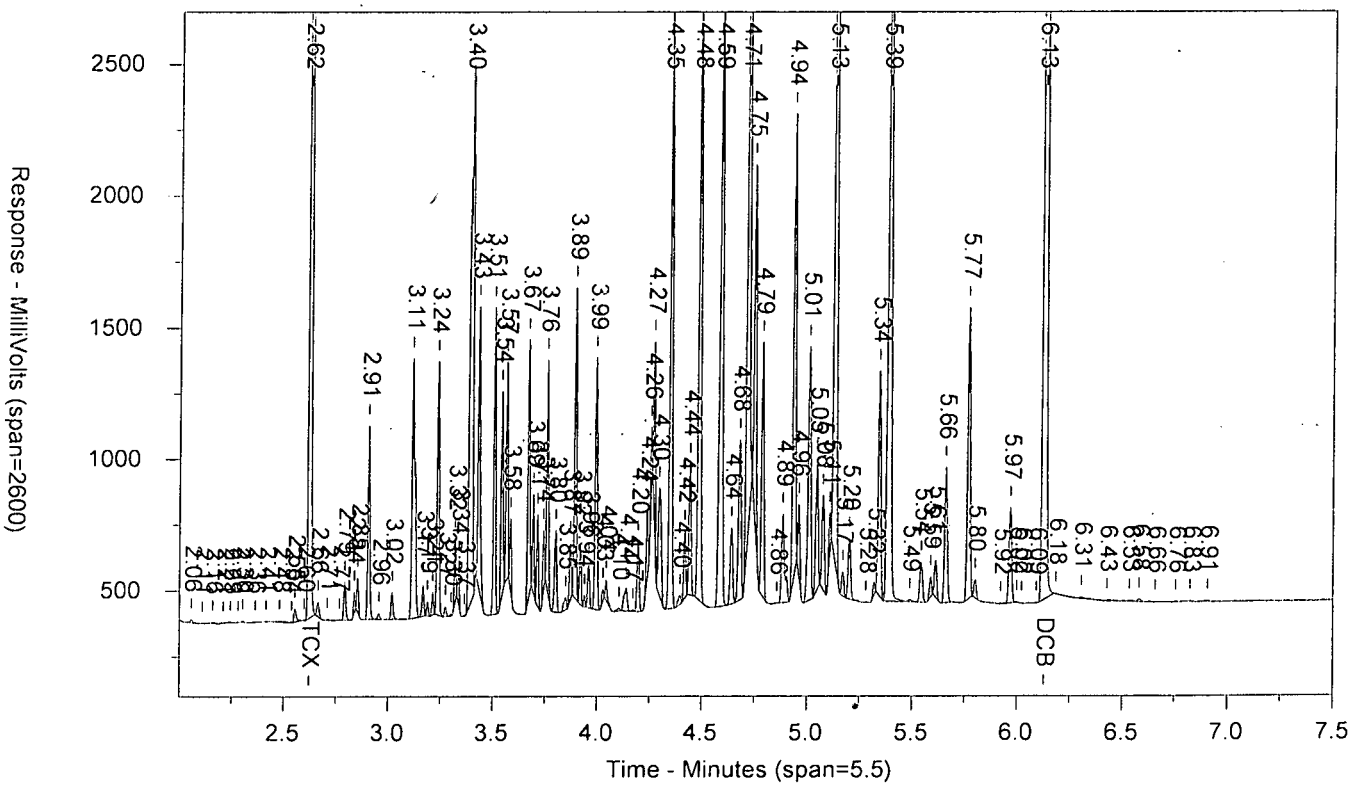

LANCASTER LABORATORIES

Sample Number: AR1631724A CZAR163CZ CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:44:44 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5980623	42.788	TCX	2.621	9130292	47.946	TCX
6.632	3934207	39.467	DCB	6.127	10003910	42.438	DCB

Files:
Area File: 25pcbs17116016.077.RAW
Area File: 25pcbs17116016B.077.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 7:53:15 AM
File Reported On: 5/22/2017 at 7:53:25 AM

AR1631724A CZAR163CZ CCAL 1714099999 10736 SW-846 8082

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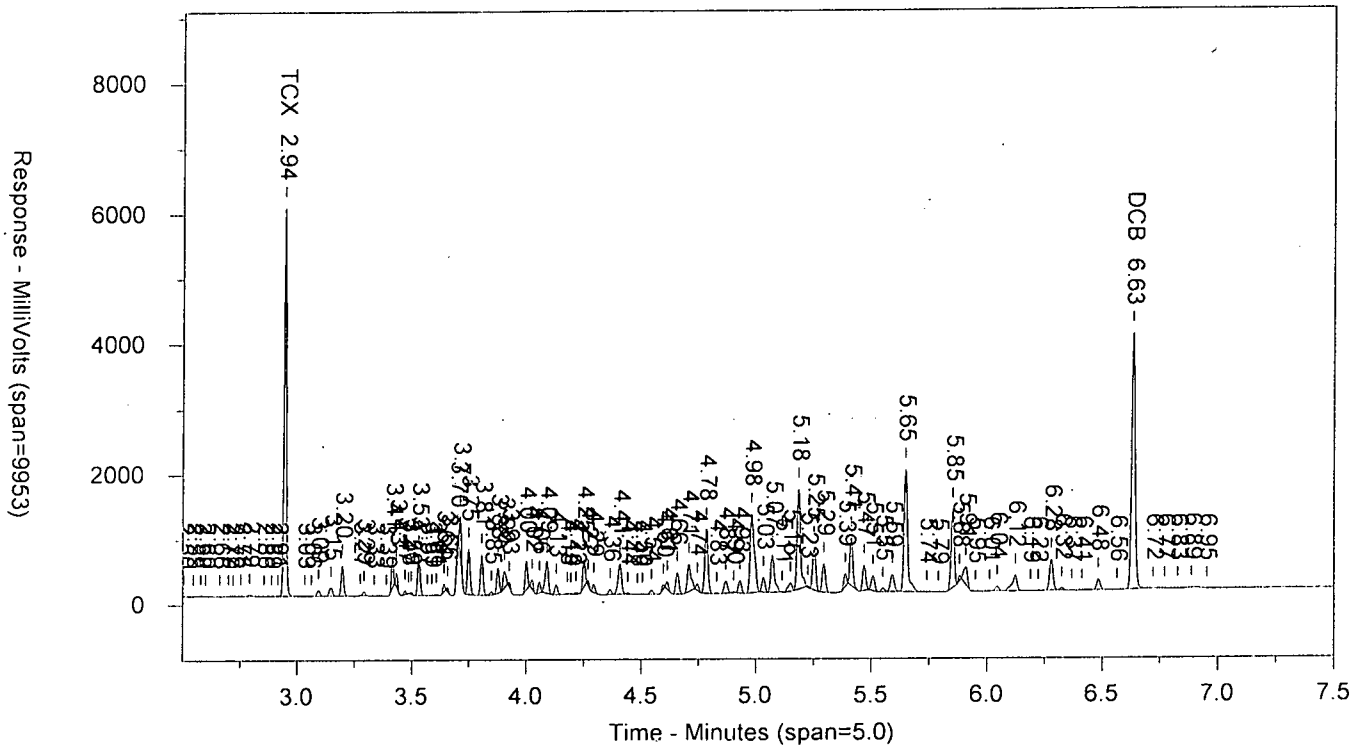

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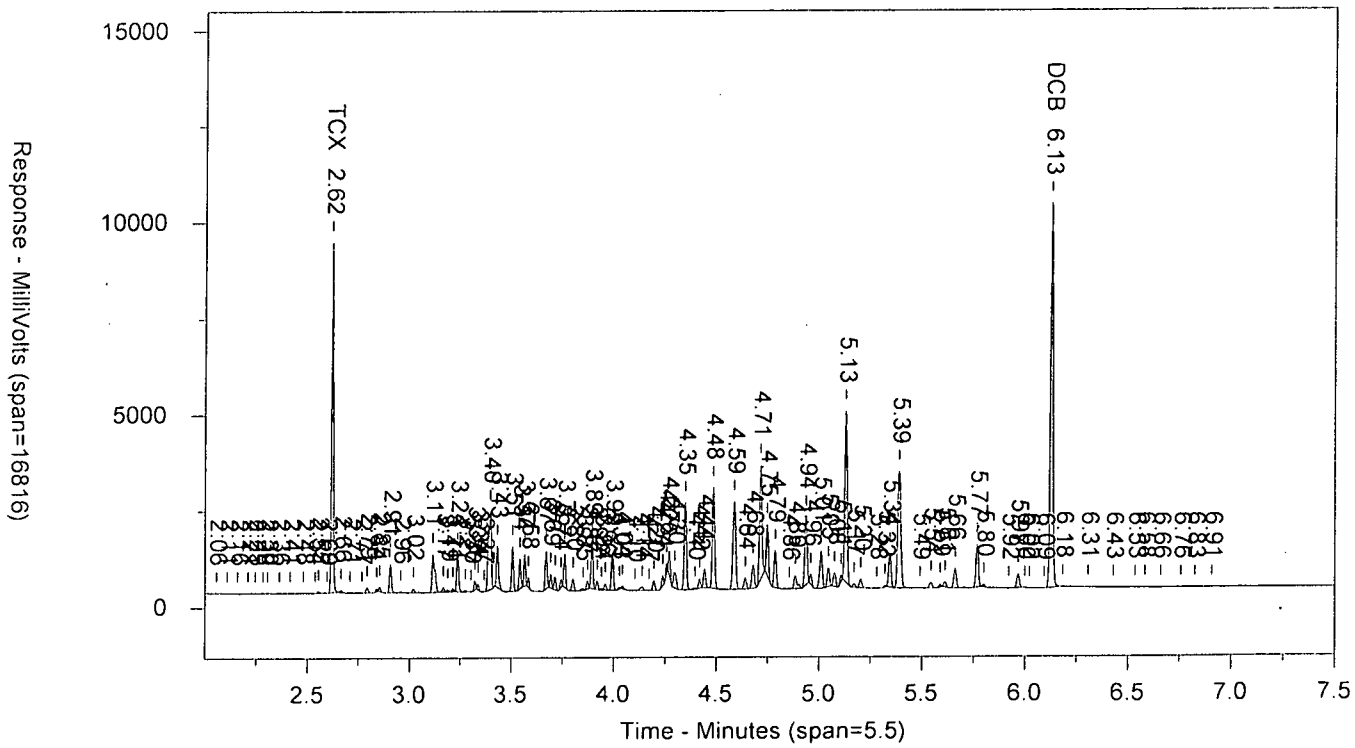

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VTPIBLKVT PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:56:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.078.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.012		686	537
2.044		6048	6333
2.091		7701	17417
2.167		2081	2693
2.239		13788	11915
2.297		997	1532
2.339		24554	20137
2.376		2140	1950
2.473		294	148
2.503		4145	5855
2.548		1235	1064
2.6		739	741
2.659		876	844
2.719		484	650
2.758		1977	3114
2.79		22582	21565
2.854		431	216
2.886		702	504
2.914		2177	1529
2.944	TCX	2991797	2064726
3.04		669	506
3.065		552	250
3.142		40694	27998
3.274		8229	7465
3.401		1058	1929
3.46		728	538
3.521		1039	1223
3.556		895	570
3.587		3394	2131
3.629		2858	2729
3.693		8580	6730
3.747		987	1150
3.774		799	518
3.796		875	939
3.829		653	514
3.873		1584	1859
3.916		684	639
3.963		2384	2598
4.011		600	608
4.067		283	525
4.111		855	1415
4.192		13407	13167
4.236		1735	1662
4.3		6240	7022
4.358		780	1010
4.393		1091	1840
4.443		471	281
4.467		384	119
4.542		963	888
4.6		1983	2853
4.654		3480	4442
4.74		714	549
4.824		825	586
4.866		865	687

RT A	Compound A	Height A	Area A
4.903		7440	6898
5.018		4239	7607
5.063		1760	3183
5.144		12283	11828
5.184		1125	1239
5.225		453	355
5.264		325	137
5.295		478	266
5.319		395	207
5.37		2985	4264
5.444		1710	3013
5.495		834	906
5.546		10817	11102
5.67		21729	20498
5.7		1372	1132
5.786		637	573
5.851		2085	3530
5.928		725	2046
5.962		790	814
6.006		1850	2408
6.042		28474	27857
6.106		34120	40841
6.171		656	609
6.226		367	319
6.306		2728	7168
6.365		1904	2509
6.41		873	865
6.481		22809	26699
6.563		910	1238
6.631	DCB	1950713	2124480
6.706		446	144
6.727		988	1109
6.779		2158	3161
6.828		1963	3173
6.879		550	537
6.914		5214	7426

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VTPIBLKVT PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:56:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.078.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		5872	5069
2.212		2435	3382
2.237		3326	3497
2.362		1555	1865
2.416		1852	1535
2.47		2556	8989
2.554		45541	37833
2.62	TCX	4370567	2663021
2.839		56118	36220
2.891		1174	1192
2.956		11236	6921
3.119		2757	3725
3.192		3168	12905
3.28		1559	926
3.302		6637	3882
3.338		14449	9252
3.365		2288	1412
3.389		4323	3366
3.42		4505	4422
3.462		1763	1377
3.535		942	2940
3.573		1414	1086
3.598		1870	2546
3.695		4000	9101
3.728		3573	5169
3.844		1707	1240
3.909		4998	9882
3.96		36075	63912
4.094		8456	9607
4.169		4174	5032
4.253		4782	18561
4.351		1665	1876
4.386		1252	1115
4.433		845	1049
4.458		18297	16480
4.505		1715	3214
4.586		2289	2043
4.642		2007	1936
4.664		2166	1430
4.687		24094	26709
4.92		1288	18962
5.004		2625	2398
5.08		22458	18664
5.129		2186	2717
5.202		51099	43337
5.264		1243	528
5.324		1038	739
5.341		2065	1951
5.387		4945	6893
5.484		1248	817
5.543		68113	59125
5.611		74471	70166
5.661		20222	18827
5.848		1619	2315

RT B	Compound B	Height B	Area B
5.927		1981	2336
5.967		52911	45480
6.091		1101	2200
6.126	DCB	4765179	4366191
6.345		1446	1270
6.582		5275	4941
6.65		1637	2693
6.8		804	851
6.906		3540	4254

IBLKX1724A VTPIBLKVT PIBLK1714099999 10736 SW-846 8082

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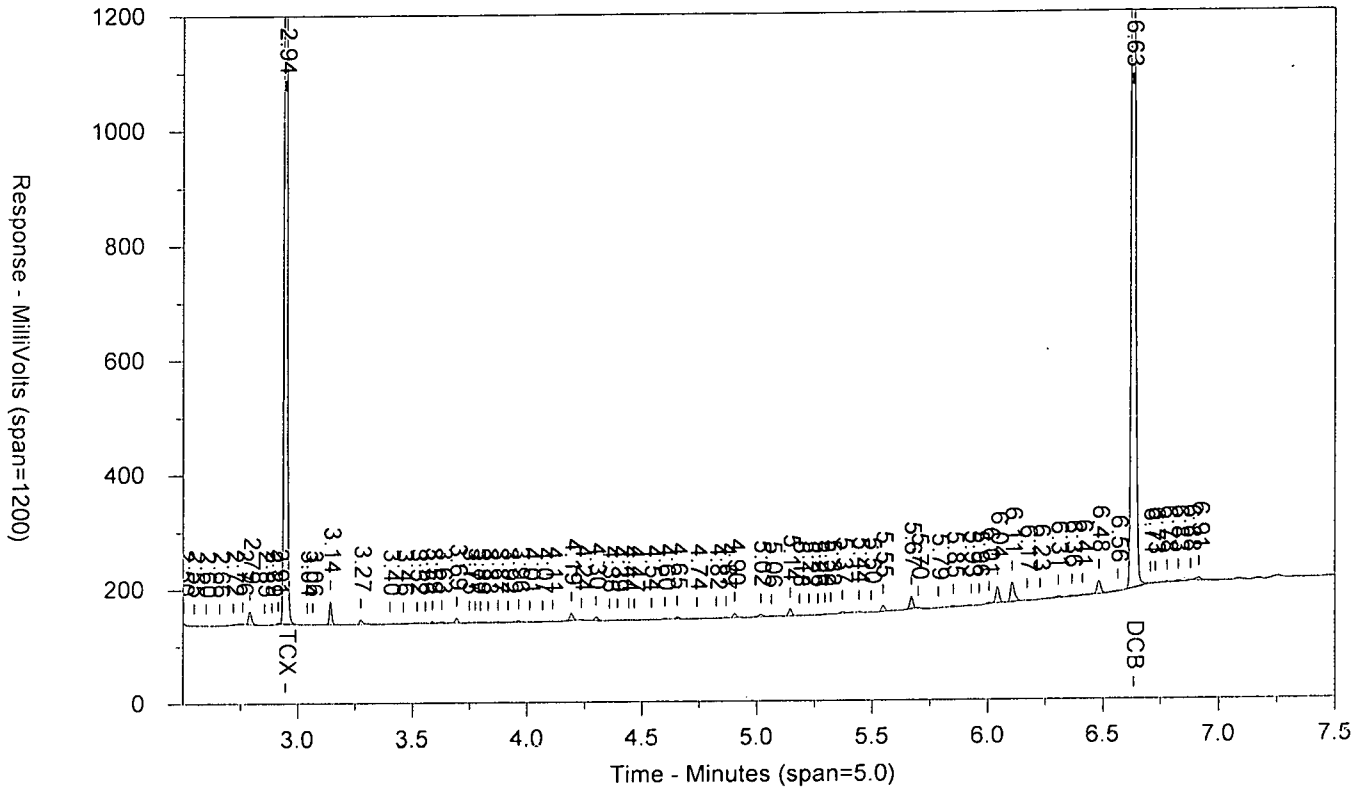

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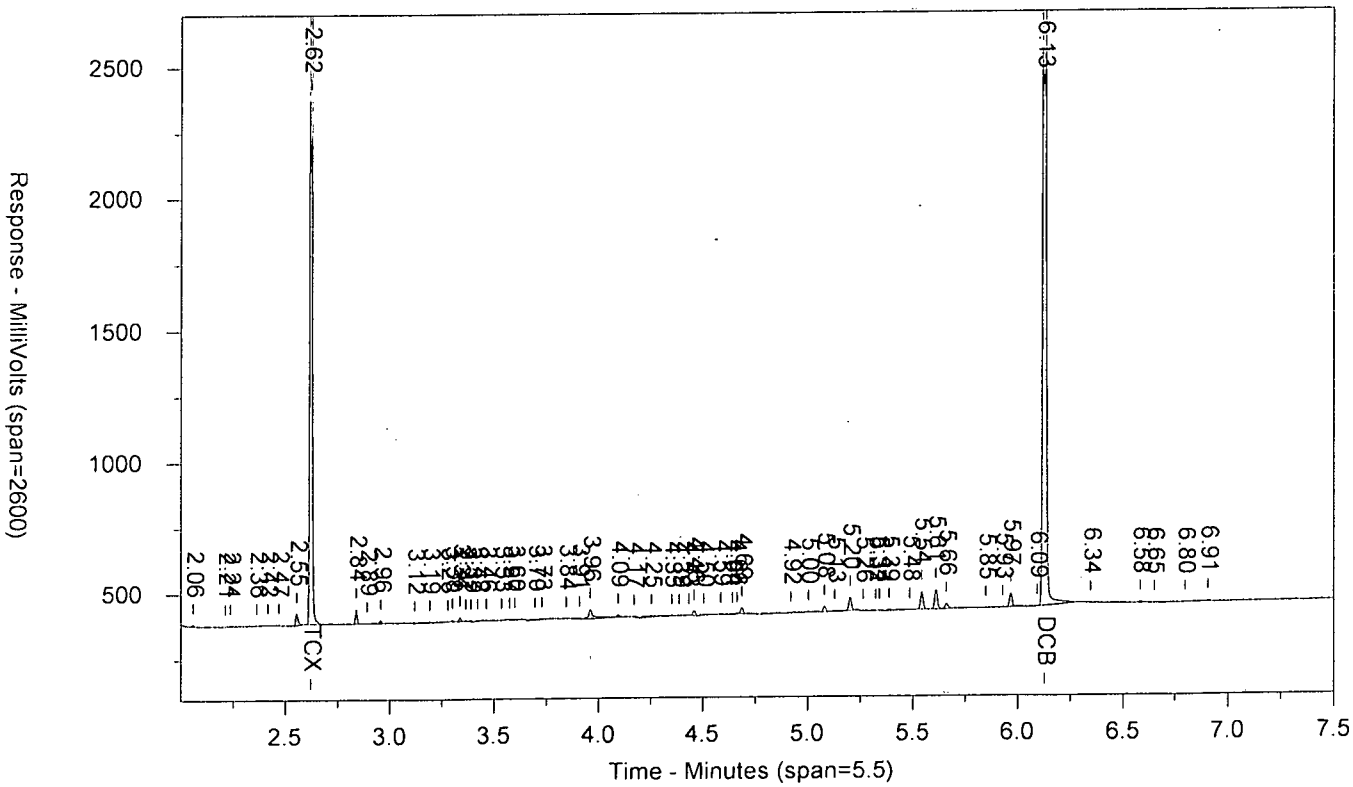

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VTPIBLKVT PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 7:56:00 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	2991797	.214	TCX	2.62	4370567	.23	TCX
6.631	1950713	.196	DCB	6.126	4765179	.202	DCB

Files:
Area File: 25pcbs17116016.078.RAW
Area File: 25pcbs17116016B.078.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 8:04:31 AM
File Reported On: 5/22/2017 at 8:04:41 AM

IBLKX1724A VTPIBLKVT PIBLK1714099999 10736 SW-846 8082

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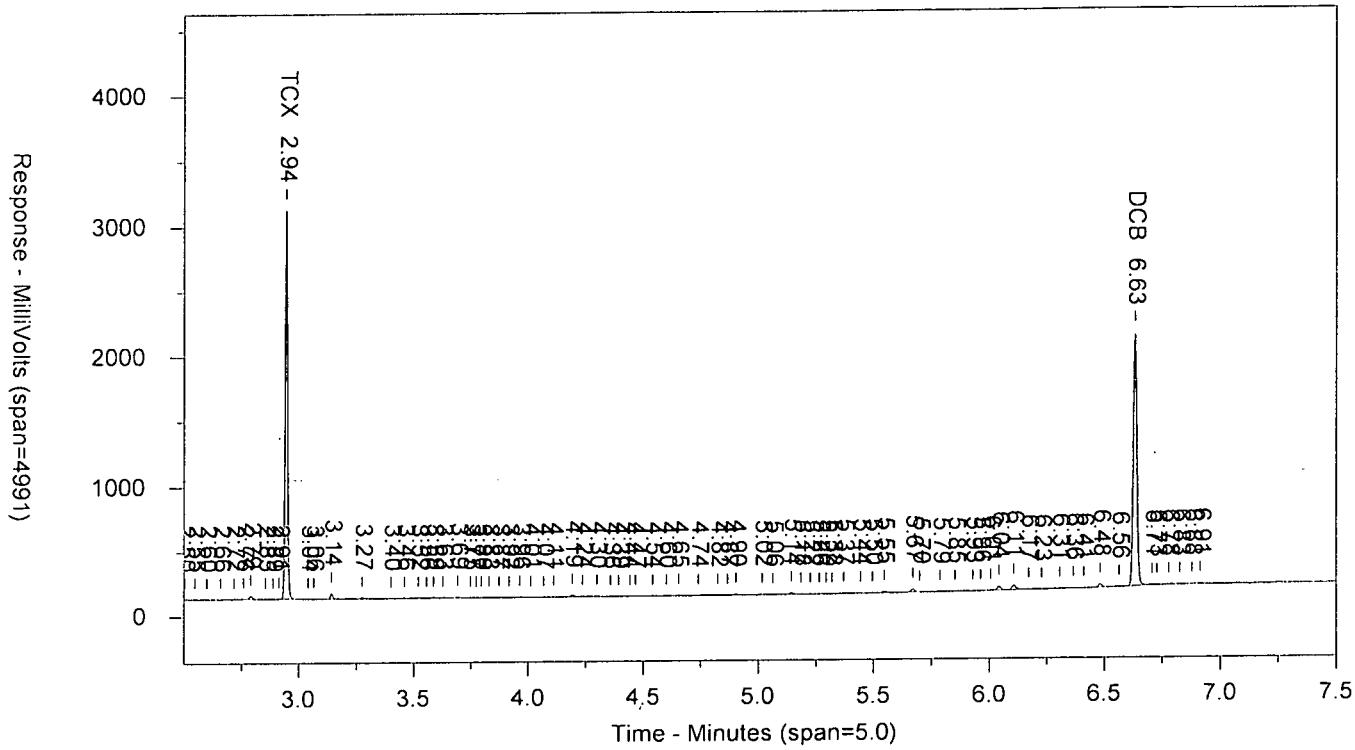

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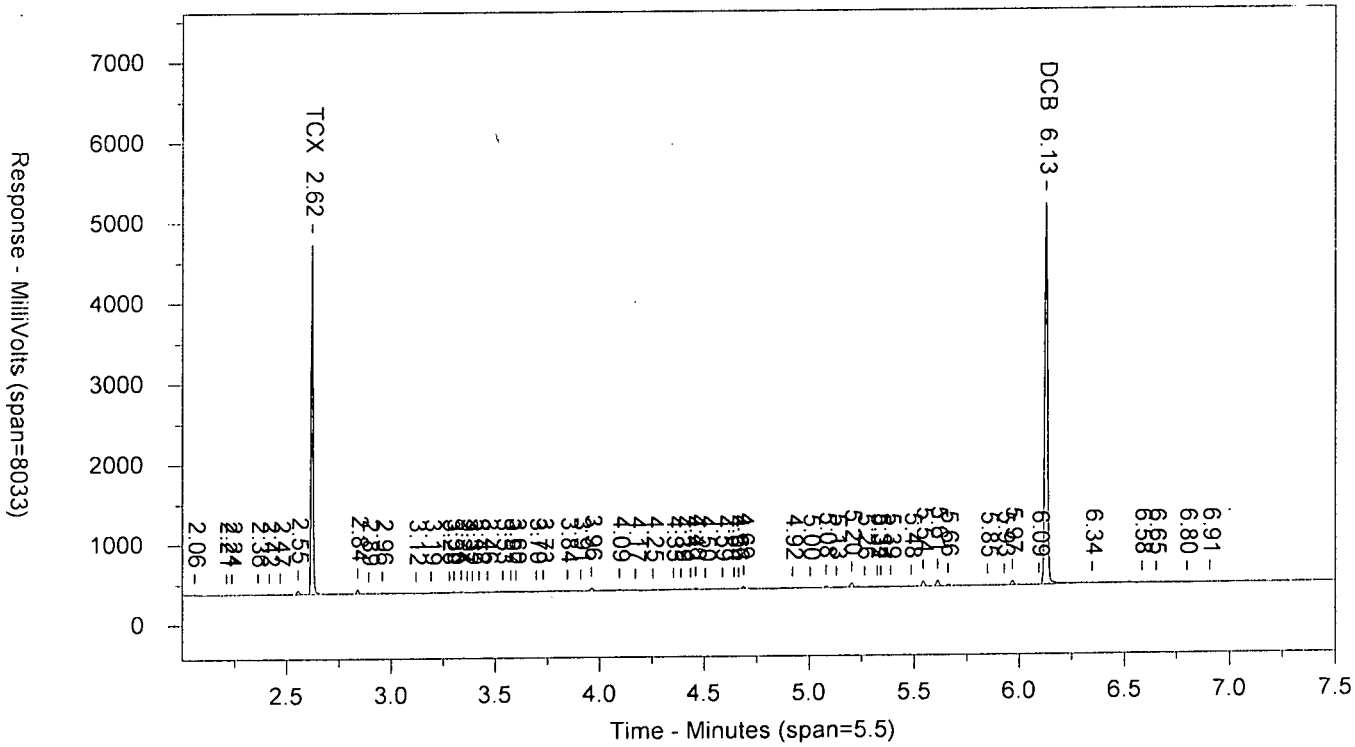

LANCASTER LABORATORIES

Sample Number: AR1631724A DAAR163DA CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:20:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.096.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.013		429	244
2.043		9785	9848
2.089		8235	12075
2.177		1598	1253
2.238		25597	20609
2.296		1219	1241
2.339		21251	20661
2.375		2033	2559
2.439		818	673
2.503		6699	8273
2.545		2453	2176
2.578		6295	4477
2.662		1123	1518
2.699		1074	882
2.719		1048	607
2.755		2717	4023
2.79		25728	24789
2.855		1575	985
2.887		1254	1007
2.913		3085	2042
2.944	TCX	5834206	4080477
3.035		1560	1517
3.06		1284	783
3.092		90983	81676
3.147		130747	125462
3.196		465790	352101
3.275		6647	3202
3.291		55490	36643
3.335		1731	1263
3.414		457956	281881
3.431		204879	112656
3.469		56806	32435
3.484		5736	2216
3.495		27588	14132
3.53		563598	456621
3.568		2502	1275
3.585		5032	2912
3.606		23596	15804
3.641		119557	72388
3.656		65457	31950
3.699		234357	129747
3.71		546059	298790
3.747		677072	541870
3.806		598975	473208
3.847		47641	33588
3.876		387445	295916
3.904		253992	227910
3.925		62928	34193
4		425504	320488
4.024		148438	97044
4.056		167291	124087
4.089		456751	464689
4.129		147522	126387
4.177		15906	11071

RT A	Compound A	Height A	Area A
4.192		3666	1858
4.216		28062	20160
4.251		393543	304336
4.268		56137	30024
4.293		125358	99154
4.364		75042	65114
4.407		454731	472930
4.44		18858	14073
4.502		6789	5156
4.543		78179	75911
4.595		67529	45477
4.611		100375	71908
4.656		313412	301036
4.706		414393	472068
4.742		101270	70505
4.782		965476	936304
4.825		14718	12136
4.867		191452	197768
4.902		21093	14924
4.928		185393	172765
4.98		1179340	1525801
5.031		223982	211579
5.07		558236	635108
5.113		6123	3001
5.149		127030	158663
5.183		1473226	1550388
5.225		20320	8579
5.251		654250	617661
5.293		425359	422766
5.386		197126	158200
5.411		724448	642467
5.468		396010	364896
5.506		233021	236183
5.547		56741	58555
5.589		256939	307619
5.645		1943812	2069682
5.742		2343	2614
5.781		388	144
5.794		623	415
5.85		1153112	1123598
5.879		84789	51059
5.906		257680	288048
5.946		1197	895
6.008		2077	3023
6.042		73331	74687
6.12		242613	366699
6.23		514	560
6.276		466902	503315
6.322		36621	33367
6.364		1834	1843
6.406		1800	2132
6.479		169475	177110
6.567		1884	2918
6.63	DCB	3943960	4136905
6.712		766	404
6.767		765	539
6.819		2574	3916
6.884		541	349
6.912		3312	3865

LANCASTER LABORATORIES

Sample Number: AR1631724A DAAR163DA CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:20:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.096.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		11144	9391
2.16		3001	5152
2.21		2979	3870
2.239		3529	4166
2.278		2696	2746
2.305		7789	6222
2.365		1738	1132
2.393		1077	854
2.415		2704	2994
2.48		2490	2907
2.537		2782	1350
2.553		48756	34665
2.597		1976	950
2.62	TCX	8923403	5392098
2.664		55965	40837
2.708		3249	3118
2.765		2017	1378
2.792		150505	105748
2.839		76431	37724
2.853		125285	66603
2.906		739166	464143
2.956		22220	13975
3.017		99073	68564
3.114		962481	945423
3.166		118934	74091
3.187		59556	34277
3.213		82901	47002
3.237		973555	645563
3.274		44687	27637
3.302		6358	2774
3.321		234690	127730
3.336		138145	70044
3.366		3042	1681
3.387		490944	237008
3.396		1010437	453273
3.43		1086776	822857
3.505		1135207	702754
3.541		759637	476630
3.564		835158	466700
3.582		252023	129149
3.669		939834	613128
3.692		355275	196949
3.713		329682	196731
3.742		235431	122326
3.759		850216	493363
3.8		299075	217836
3.848		52013	48702
3.871		205400	129081
3.893		1144916	745115
3.918		217127	130078
3.938		41808	20581
3.957		152122	101747
3.992		955009	657249
4.026		51976	30456

RT B	Compound B	Height B	Area B
4.042		82913	51586
4.103		12553	13140
4.137		98058	116910
4.17		7505	4051
4.194		266864	185101
4.237		248418	150478
4.255		279352	133696
4.269		623615	343431
4.295		393412	392802
4.347		2240897	1685281
4.394		33522	35357
4.417		233737	156679
4.441		480288	347685
4.484		2560870	1916111
4.586		2196272	2085499
4.639		286278	243270
4.678		596059	527508
4.714		2938726	2404685
4.746		1283155	912736
4.785		937879	725807
4.852		3233	4034
4.884		321205	339035
4.935		1752625	1376925
4.958		249764	161592
5.009		929035	843884
5.044		478448	378282
5.074		334933	288069
5.106		144525	86212
5.128		4290357	3480004
5.17		90969	67255
5.201		236186	198702
5.319		45336	29715
5.342		834140	690937
5.386		2855012	3091029
5.542		158128	142841
5.588		74034	50599
5.61		150733	118687
5.659		504082	449890
5.766		1128479	937348
5.798		68942	51909
5.921		2628	2706
5.966		361721	316370
6.065		1324	737
6.089		1655	764
6.125	DCB	9742034	8659884
6.307		4116	4889
6.579		11366	13755
6.655		2673	5204
6.755		1810	1611
6.818		1322	1704
6.906		5417	10456

AR1631724A DAAR163DA CCAL 1714099999 10736 SW-846 8082

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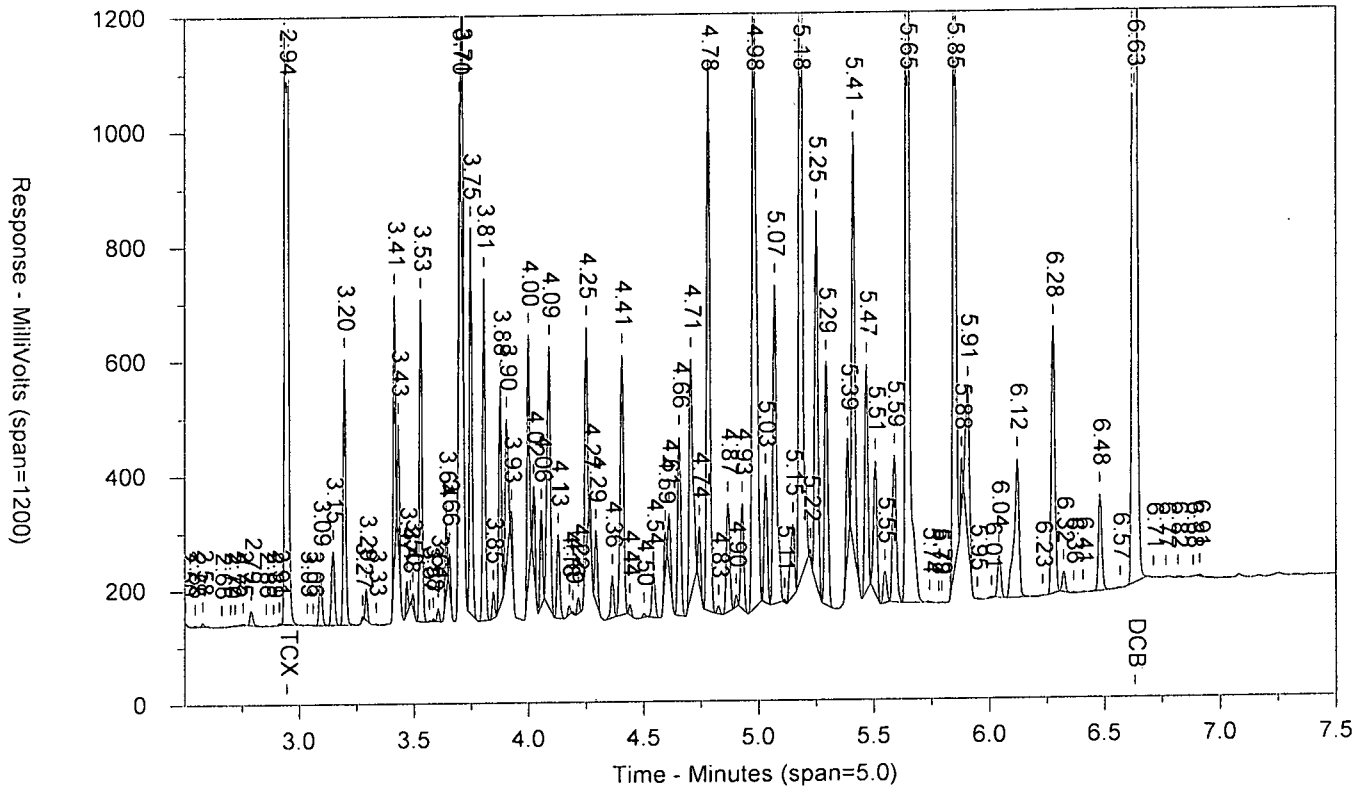

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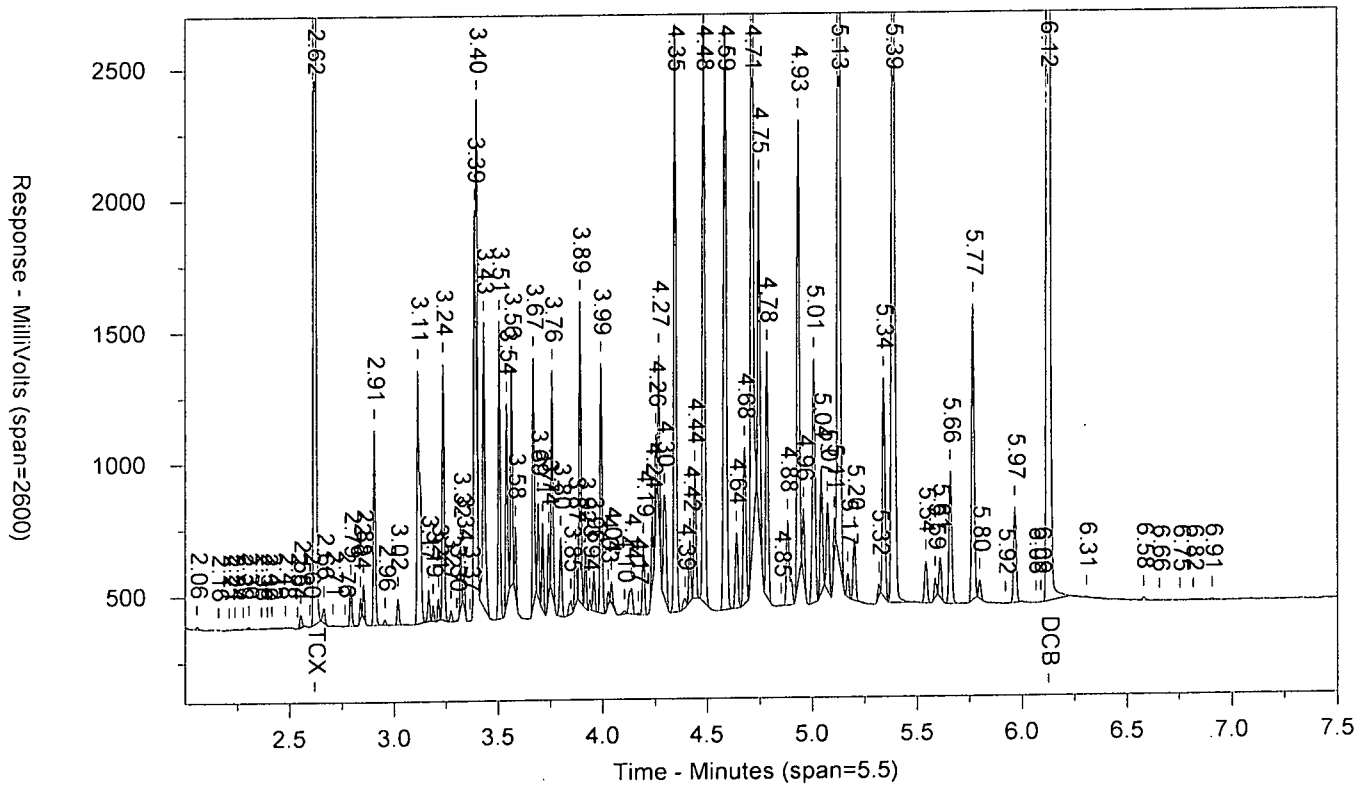

LANCASTER LABORATORIES

Sample Number: AR1631724A DAAR163DA CCAL 1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:20:46 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	5834206	41.74	TCX	2.62	8923403	46.86	TCX
6.63	3943960	39.565	DCB	6.125	9742034	41.327	DCB

Files:
Area File: 25pcbs17116016.096.RAW
Area File: 25pcbs17116016B.096.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 11:29:16 AM
File Reported On: 5/22/2017 at 11:29:25 AM

AR1631724A DAAR163DA CCAL 1714099999 10736 SW-846 8082

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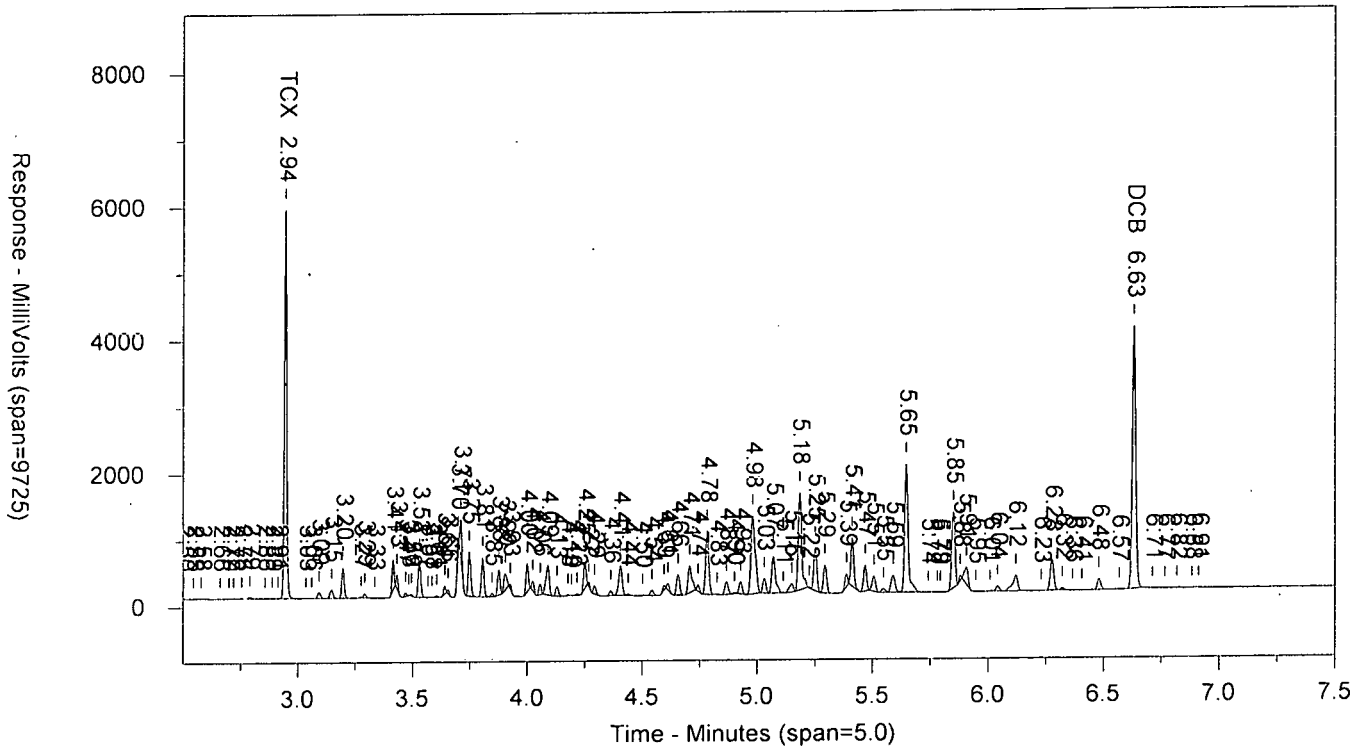

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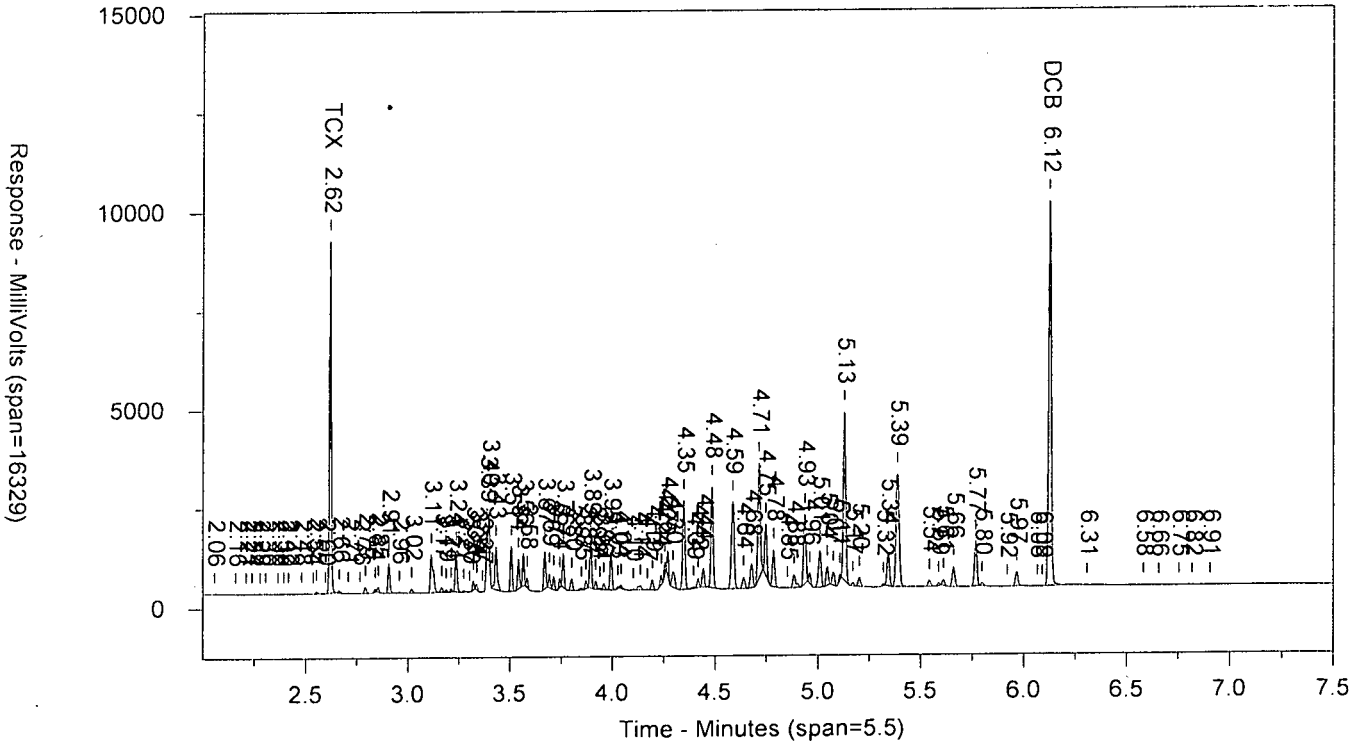

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VUPIBLKVU PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:32:29 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.097.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.01		707	586
2.045		9417	9543
2.092		8007	15325
2.168		586	230
2.24		13031	11275
2.296		1182	1500
2.341		24193	19415
2.378		2136	2913
2.446		513	475
2.505		6774	8190
2.548		1425	1183
2.573		479	323
2.603		933	998
2.662		838	811
2.703		982	1061
2.723		476	364
2.749		553	702
2.792		24870	23787
2.889		862	715
2.916		3641	2564
2.946	TCX	2830789	1940414
3.043		639	451
3.064		938	772
3.094		1022	1744
3.144		39463	28242
3.233		942	910
3.278		7949	8240
3.404		1044	1547
3.467		1186	1270
3.523		1336	1450
3.545		723	898
3.592		2424	1609
3.637		4804	5909
3.681		472	181
3.699		8786	7352
3.759		285	443
3.777		1144	823
3.803		841	1001
3.838		960	1139
3.874		2033	2390
3.923		1136	1109
3.969		4415	5884
4.067		1076	1989
4.112		502	305
4.145		1063	971
4.198		14578	14537
4.239		2026	2042
4.306		8426	10031
4.367		987	1655
4.402		849	989
4.443		1078	1840
4.485		415	177
4.524		683	614
4.553		983	1057

RT A	Compound A	Height A	Area A
4.607		2242	3571
4.661		5276	7309
4.749		1243	3193
4.84		489	507
4.868		621	500
4.909		8466	9538
5.022		6067	10928
5.068		1195	1262
5.094		960	863
5.149		14164	14219
5.185		344	100
5.226		957	1168
5.316		555	942
5.376		4889	7217
5.444		1598	2179
5.478		287	142
5.503		819	824
5.551		12111	12050
5.599		562	688
5.674		24854	22793
5.702		2038	1988
5.797		391	158
5.857		1704	3407
5.926		861	1934
6.012		3349	4132
6.047		30358	30008
6.111		37348	44757
6.163		459	253
6.262		599	1459
6.312		2697	6010
6.369		1575	2310
6.413		1380	1955
6.46		534	407
6.487		23391	24090
6.574		1873	2629
6.638	DCB	1859530	2039218
6.733		543	694
6.789		1811	2685
6.84		2306	3873
6.917		5409	10292

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VUPIBLKVU PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:32:29 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.097.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		5068	4855
2.209		3413	4774
2.235		2898	3137
2.364		2487	3390
2.417		2048	2502
2.483		1536	2476
2.537		3431	1687
2.553		50359	41394
2.62	TCX	4223915	2549925
2.768		1567	823
2.839		51867	29251
2.895		1298	2270
2.955		10967	7489
3.034		1677	1094
3.12		5027	5121
3.18		1686	8027
3.211		1874	2166
3.303		5322	6807
3.339		14380	9217
3.367		2417	1866
3.392		5085	3603
3.424		8655	11528
3.576		2499	3193
3.603		2424	3721
3.688		8217	15287
3.763		4541	17652
3.837		1629	1306
3.914		8272	12344
3.963		40897	60222
4.097		7823	6660
4.173		5402	8046
4.237		3021	8317
4.321		1639	2440
4.392		1744	2661
4.463		21225	19810
4.504		2429	2872
4.564		1326	905
4.647		1818	1701
4.69		29954	22786
4.793		5128	6978
4.867		1933	1756
4.94		1757	1618
4.969		1782	1520
5.007		3831	4645
5.084		22561	21256
5.205		62583	63535
5.349		4540	12939
5.393		5639	7449
5.484		1460	2937
5.546		71686	62924
5.615		85243	75939
5.664		21153	19796
5.773		1285	1707
5.869		2259	6119

RT B	Compound B	Height B	Area B
5.929		2140	2462
5.97		51861	44546
6.001		1709	1003
6.129	DCB	4621519	4208497
6.305		1635	2349
6.447		718	937
6.586		4925	6876
6.785		1067	1450
6.831		971	838
6.913		4656	7108

IBLKX1724A VUPIBLKVU PIBLK1714099999 10736 SW-846 8082

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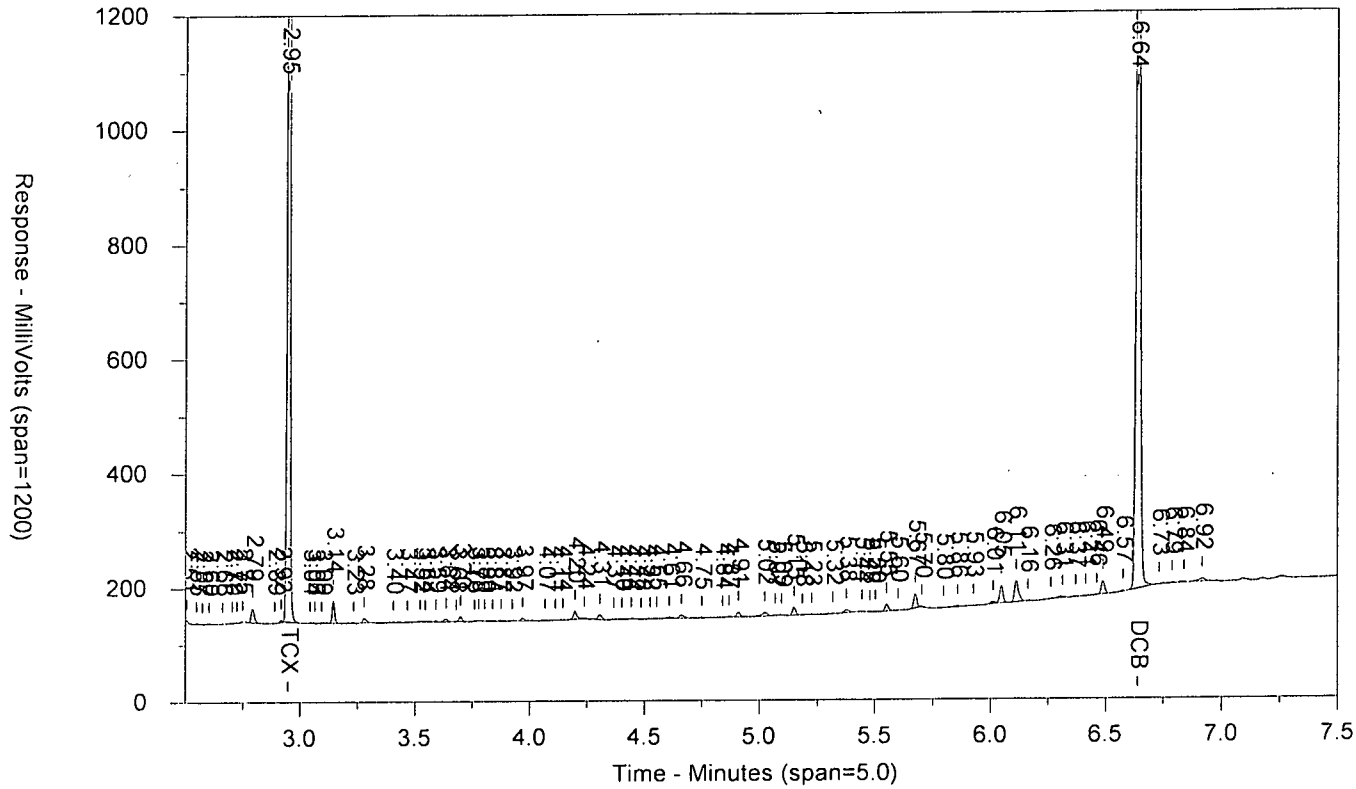

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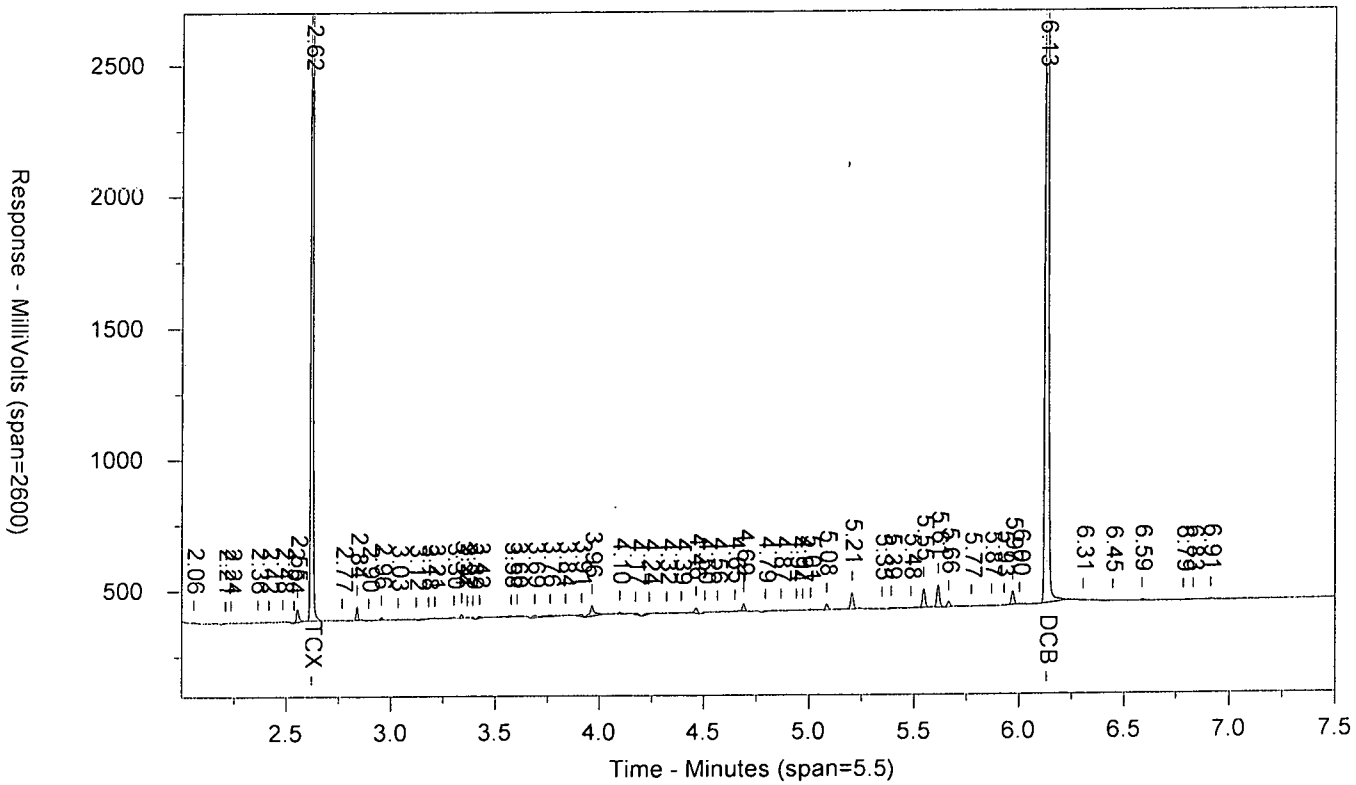

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VUPIBLKVU PIBLK1714099999 10736 SW-846 8082
Injected On: 5/22/2017 11:32:29 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	2830789	.203	TCX	2.62	4223915	.222	TCX
6.638	1859530	.187	DCB	6.129	4621519	.196	DCB

Files:
Area File: 25pcbs17116016.097.RAW
Area File: 25pcbs17116016B.097.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 11:40:59 AM
File Reported On: 5/22/2017 at 11:41:09 AM

IBLKX1724A VUPIBLKVU PIBLK1714099999 10736 SW-846 8082

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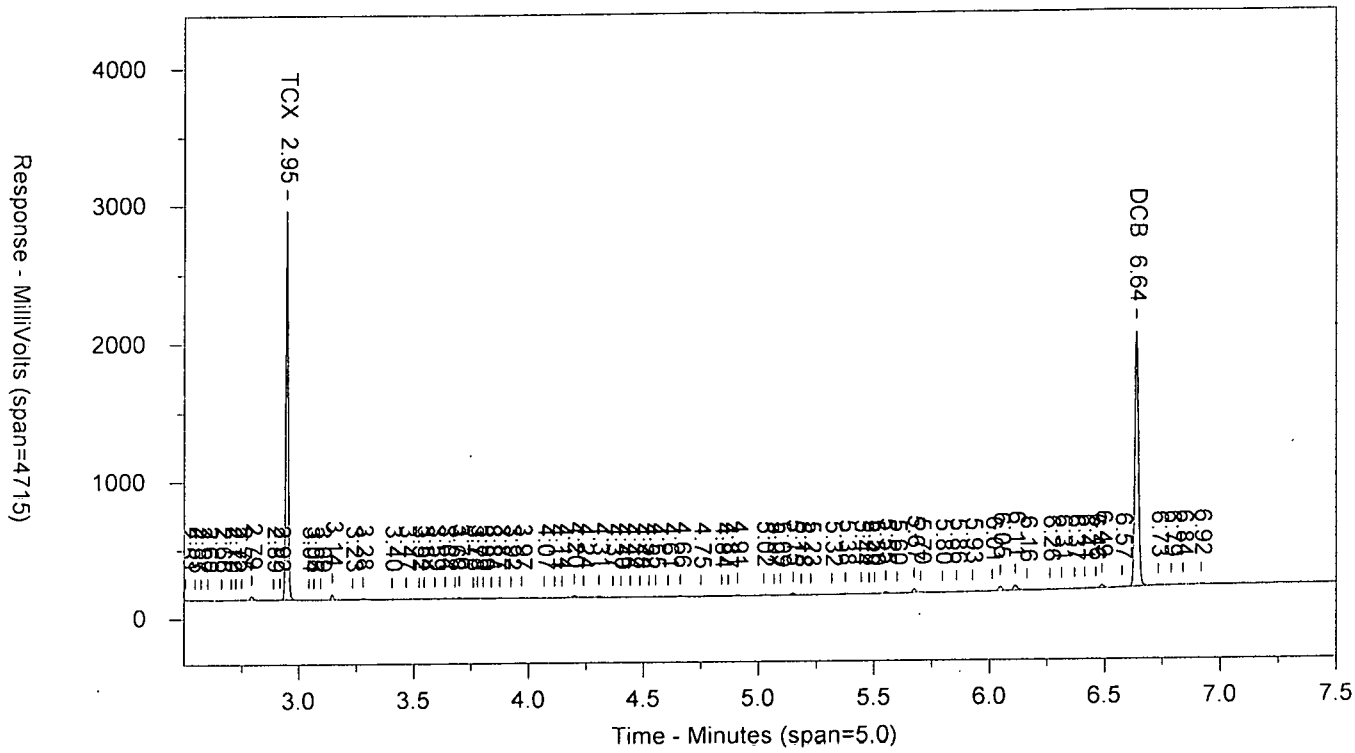

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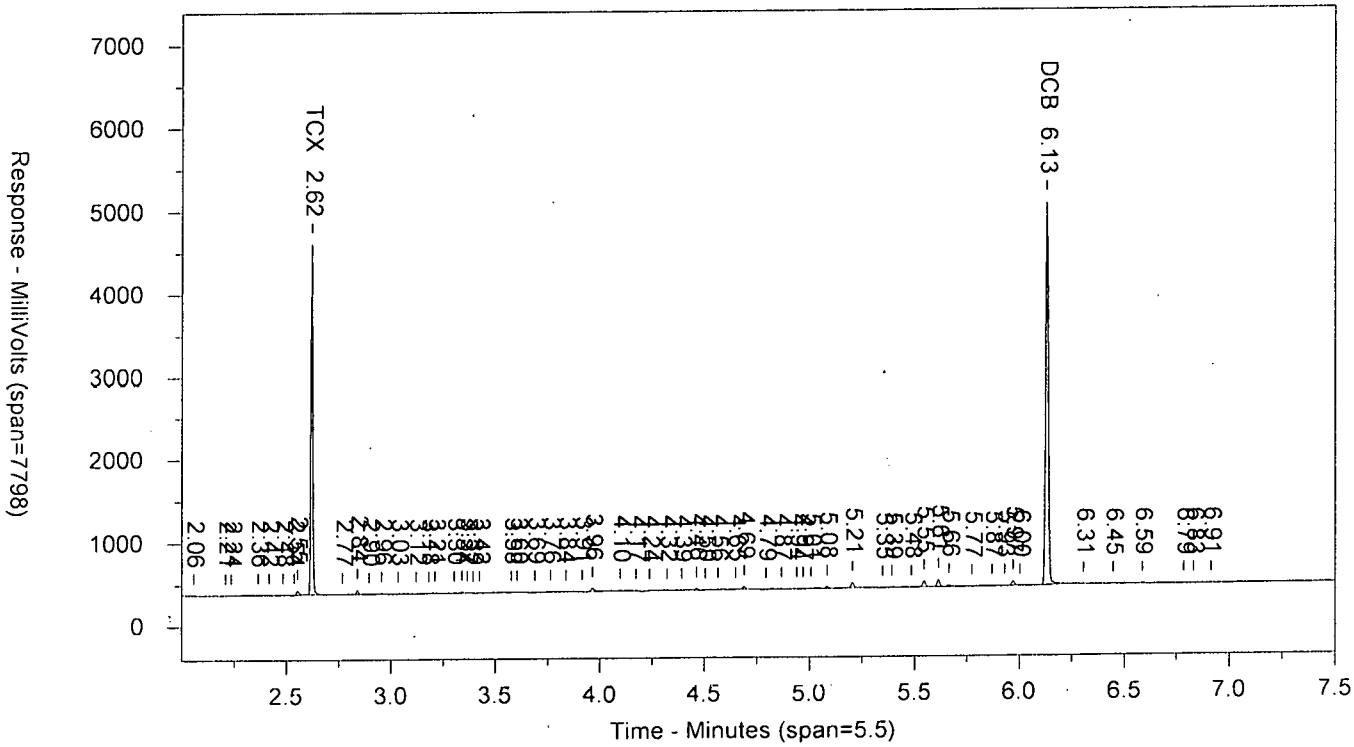

LANCASTER LABORATORIES

Sample Number: AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:08:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.043		8667	9750
2.09		8692	12924
2.176		1562	938
2.239		25593	20855
2.305		878	963
2.339		30496	27340
2.377		2308	2835
2.439		951	940
2.503		6208	7828
2.545		4776	3978
2.579		5804	3871
2.601		2211	1249
2.663		1034	1128
2.718		2865	1846
2.754		2427	3485
2.791		23053	22411
2.857		1482	1019
2.888		644	517
2.914		3205	2131
2.945	TCX	5880140	4122108
3.034		1947	1984
3.061		751	329
3.093		90522	79392
3.148		128406	125837
3.197		474084	352762
3.275		7296	3613
3.292		57516	37377
3.334		1510	1335
3.415		457132	280937
3.432		209386	111969
3.47		58614	32757
3.486		4933	1985
3.496		28153	14656
3.531		576449	463148
3.568		2590	1333
3.587		6360	3745
3.608		23231	14701
3.642		127623	73803
3.657		63518	30493
3.701		229736	128703
3.712		606027	330184
3.749		718954	549920
3.807		617447	483569
3.848		48065	34242
3.877		398934	302996
3.905		258150	221876
3.926		64349	36007
4.002		432467	324297
4.026		146892	98688
4.057		171800	125123
4.091		485974	473339
4.131		148375	128365
4.179		17697	12831
4.195		2780	1231

RT A	Compound A	Height A	Area A
4.218		28388	20460
4.252		423466	315092
4.271		77832	38519
4.294		123888	100170
4.366		74909	64691
4.409		460870	479035
4.442		17619	12928
4.504		6532	5160
4.545		69021	67702
4.597		67690	45628
4.613		106906	75578
4.658		322588	307246
4.708		427897	477521
4.744		94823	68742
4.784		1015971	953135
4.827		12060	10255
4.869		198570	201780
4.903		19632	13998
4.931		190957	178396
4.982		1225209	1554419
5.034		228800	214117
5.073		561860	647205
5.114		5881	2738
5.151		126282	157399
5.185		1509650	1587253
5.227		20723	8975
5.252		667100	629346
5.295		443155	430975
5.388		198967	152735
5.413		732447	658145
5.469		386322	372305
5.508		242749	239985
5.55		56378	57407
5.59		278521	313576
5.647		1930950	2102433
5.74		2530	2959
5.783		461	239
5.795		878	774
5.852		1153185	1139427
5.882		75220	44148
5.908		249367	294003
6.012		1927	3001
6.044		71729	69687
6.123		248835	364300
6.208		443	186
6.235		941	1371
6.279		474661	509170
6.325		35979	33758
6.372		748	394
6.414		1882	2458
6.484		167278	180512
6.565		1774	2713
6.634	DCB	4045944	4204794
6.72		670	264
6.761		901	771
6.777		1281	1196
6.828		2685	4084
6.891		604	141
6.914		4706	6720
6.987		638	277

LANCASTER LABORATORIES

Sample Number: AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:08:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		10971	8494
2.109		1194	1312
2.161		5214	5319
2.211		2361	3323
2.239		3876	4643
2.279		1511	767
2.304		7371	5629
2.364		1842	1724
2.417		5719	5436
2.475		1491	1764
2.538		3111	1700
2.554		50472	41674
2.597		4721	2302
2.62	TCX	8974858	5493043
2.664		55926	40966
2.71		3853	3480
2.793		149072	104643
2.839		78757	38533
2.854		131412	68670
2.906		748147	472482
2.956		23312	15379
3.018		102654	67482
3.115		987884	964577
3.166		120919	76870
3.188		60583	34487
3.214		86697	49207
3.237		972259	661223
3.275		43738	26749
3.303		10421	4747
3.322		250773	132645
3.337		149229	72709
3.365		2326	1344
3.397		2002703	2055272
3.431		1051281	714057
3.506		1146649	726438
3.542		798828	491835
3.565		835766	474635
3.584		259305	133427
3.67		939598	630432
3.693		367987	200882
3.714		344826	209707
3.743		238480	122583
3.76		843251	509164
3.801		306459	224350
3.849		51263	46513
3.872		219598	134038
3.894		1176575	767995
3.919		230924	136835
3.939		42651	21335
3.959		151939	101627
3.994		995638	676471
4.028		50140	29887
4.043		80103	50681
4.105		11988	12864

RT B	Compound B	Height B	Area B
4.138		91566	105642
4.172		7286	3932
4.196		264816	194587
4.238		266142	163265
4.257		264722	131573
4.27		681203	377261
4.296		413105	412697
4.348		2321546	1755048
4.395		34012	33473
4.418		239822	163545
4.442		495979	364803
4.485		2650545	2000514
4.588		2187897	2163785
4.641		294777	245780
4.679		603545	522767
4.715		3075685	2495515
4.748		1309444	944808
4.787		974699	757707
4.854		3547	4060
4.885		336693	351068
4.936		1837172	1421974
4.96		261634	172150
5.01		974144	866352
5.046		488764	392316
5.076		341716	294739
5.108		148052	89482
5.129		4446942	3572421
5.171		95042	69798
5.203		223951	191018
5.321		48733	30852
5.344		850662	708576
5.389		2969208	3196819
5.509		2647	1734
5.544		151082	132105
5.589		72787	54533
5.612		131460	102074
5.661		517154	446787
5.768		1132347	960716
5.8		70521	54590
5.923		2970	2728
5.968		365658	322458
5.998		2352	1576
6.063		1573	943
6.092		1491	1257
6.127	DCB	9897493	8948068
6.307		4365	6283
6.368		2626	4450
6.538		1795	1271
6.583		11346	11824
6.82		1804	4491
6.908		5256	10332
6.981		1573	1407

AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082

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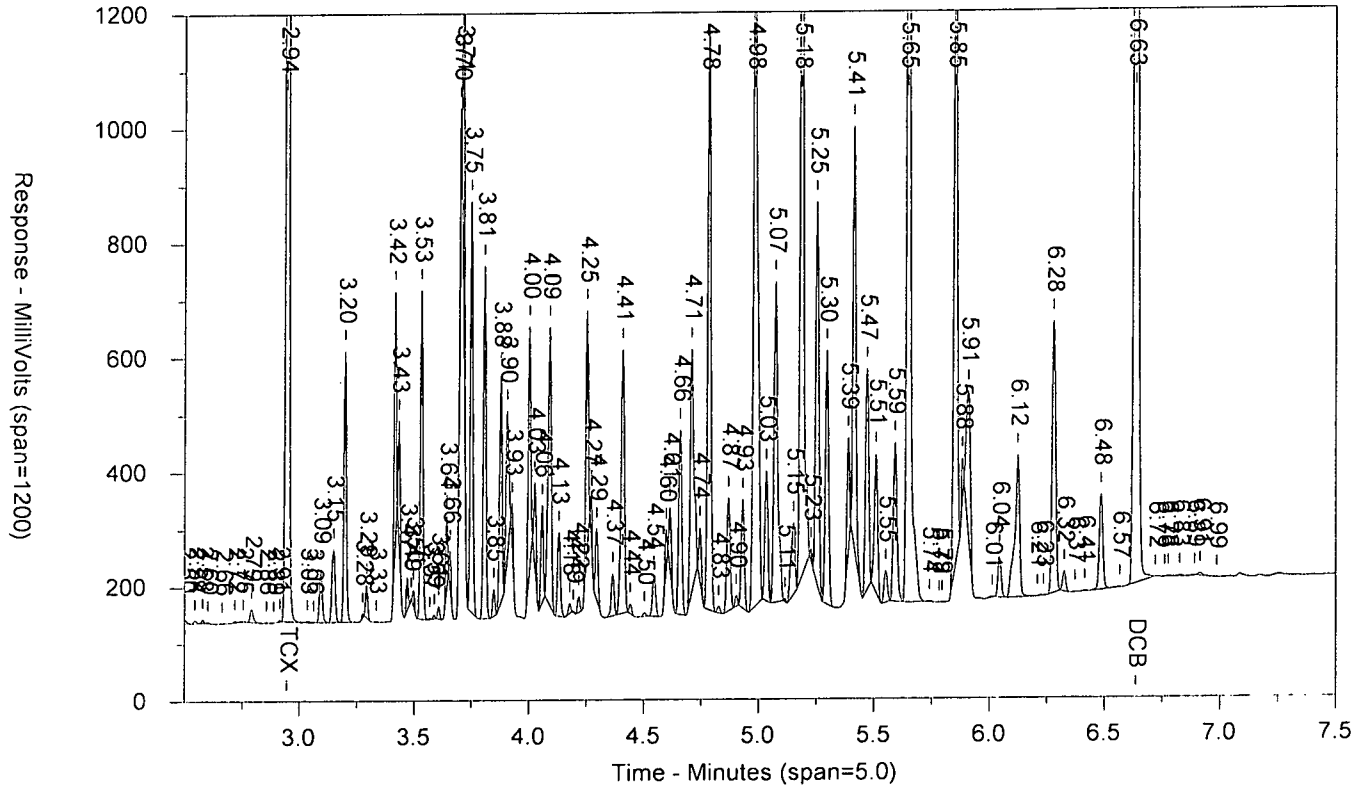

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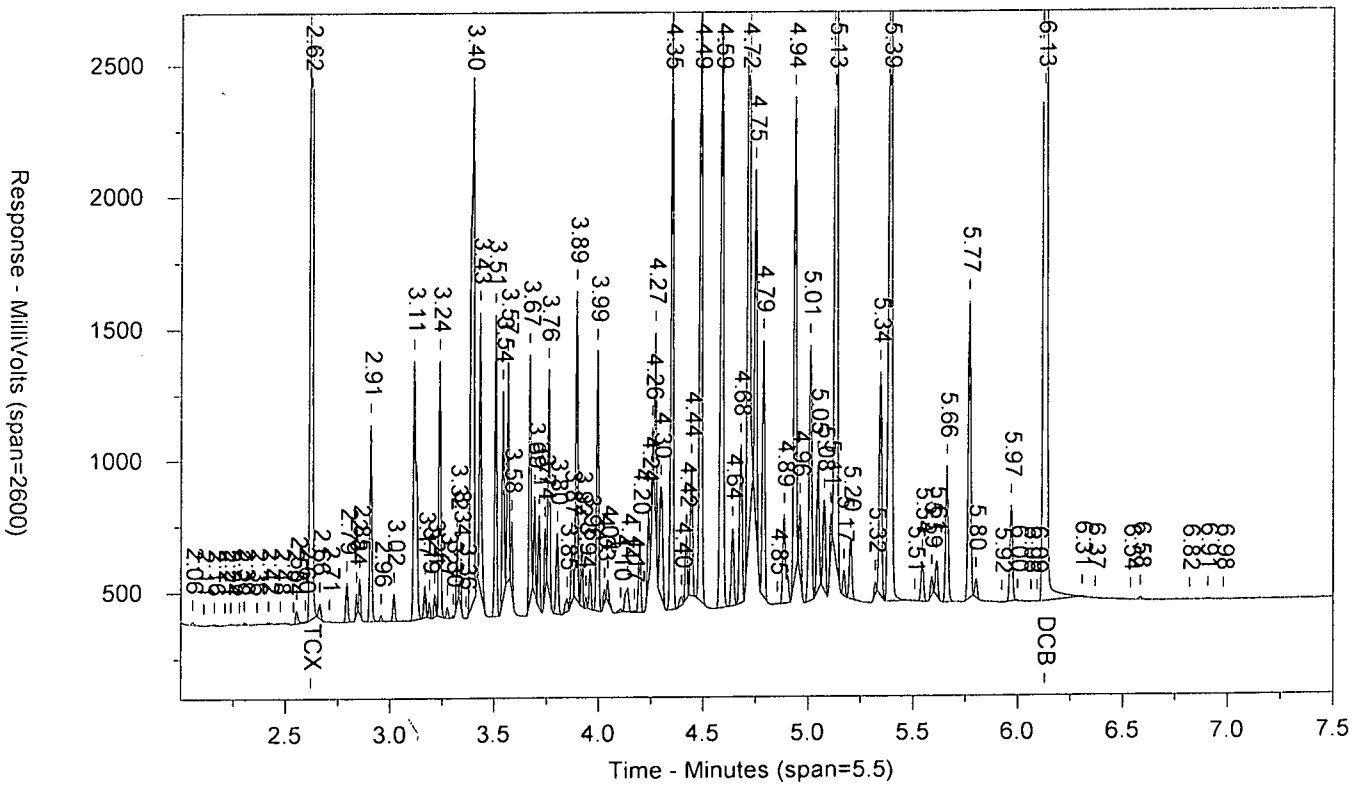

LANCASTER LABORATORIES

Sample Number: AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:08:07 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	5880140	42.069	TCX	2.62	8974858	47.13	TCX
6.634	4045944	40.588	DCB	6.127	9897493	41.986	DCB

Files:
Area File: 25pcbs17116017.005.RAW
Area File: 25pcbs17116017B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:16:36 PM
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AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082

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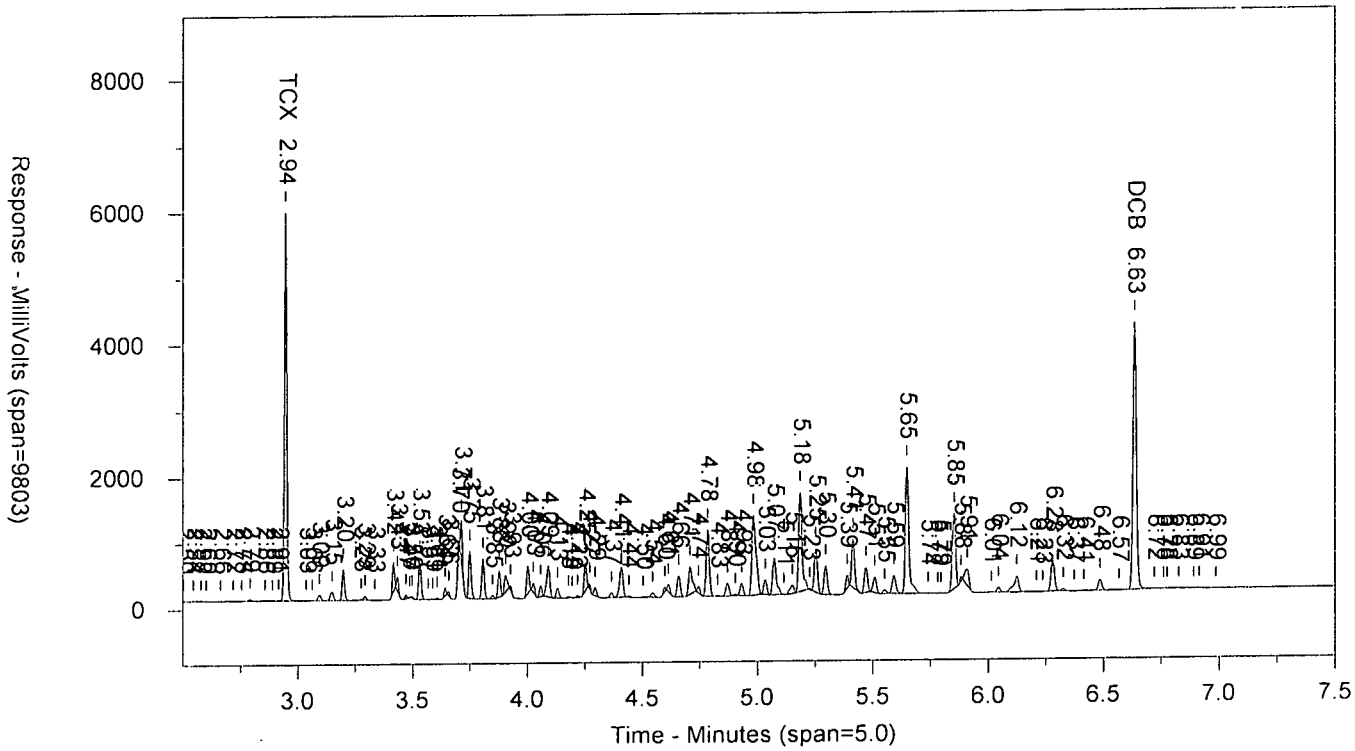

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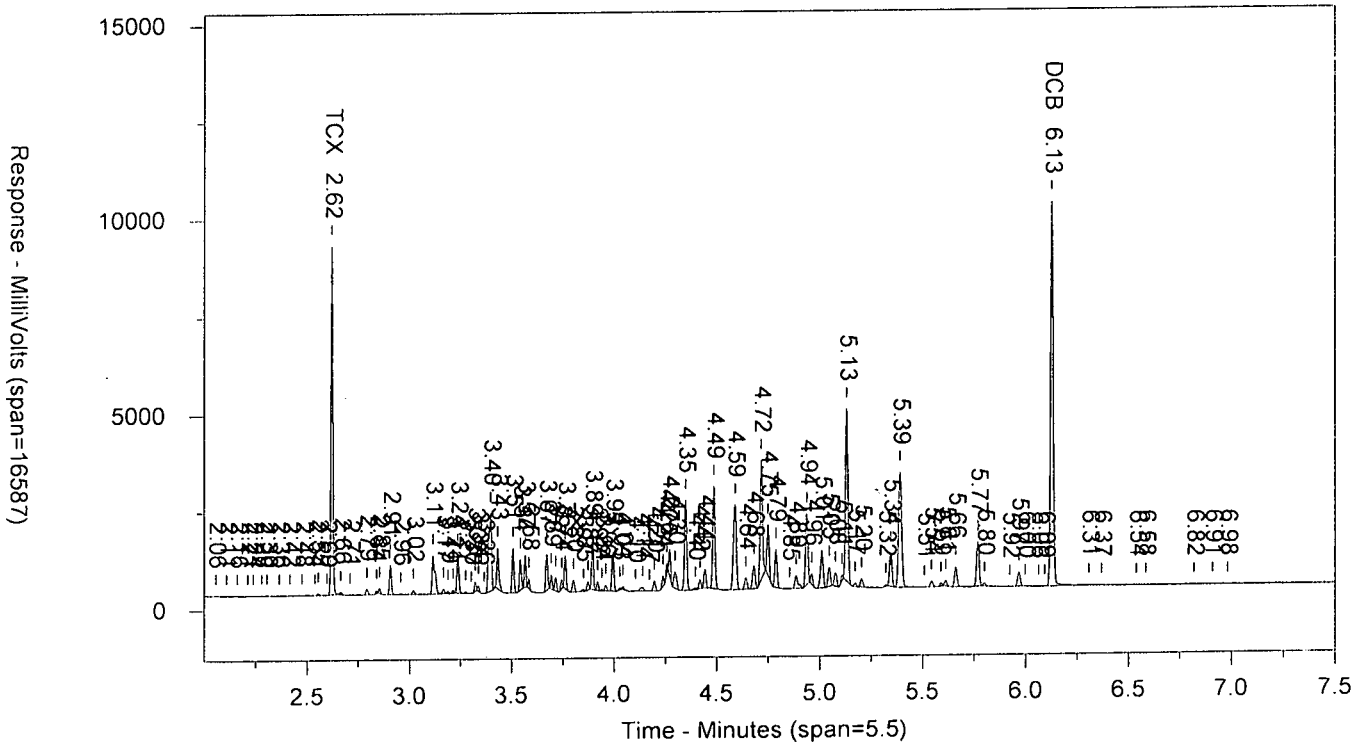

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WLPIBLKWL PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:19:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		388	463
2.044		10235	10723
2.092		9588	16621
2.162		650	793
2.239		13660	12591
2.294		849	945
2.34		25993	21101
2.375		2537	3434
2.504		7505	9164
2.547		1423	1088
2.573		566	342
2.6		1088	1014
2.63		422	195
2.664		956	937
2.72		466	789
2.741		917	714
2.759		1065	536
2.791		28311	28449
2.886		983	659
2.913		4352	3089
2.945	TCX	2861965	1990603
3.043		730	694
3.062		709	442
3.091		910	954
3.143		39766	27739
3.225		686	616
3.276		8693	10566
3.367		332	161
3.403		863	1350
3.462		1116	928
3.519		1236	1304
3.559		834	497
3.588		4046	2644
3.631		5385	5914
3.695		10496	8903
3.748		580	590
3.776		1386	754
3.799		838	954
3.837		730	536
3.874		2055	2611
3.916		1396	1128
3.963		4742	5611
4.013		569	278
4.109		474	412
4.137		800	762
4.195		11470	11950
4.236		1985	2207
4.275		419	276
4.303		8960	10158
4.369		653	946
4.453		722	763
4.521		302	126
4.545		1043	985
4.605		2181	3453

RT A	Compound A	Height A	Area A
4.657		6025	8170
4.747		996	1992
4.832		473	586
4.905		7222	7948
5.02		6667	11606
5.066		925	902
5.091		1005	963
5.146		11004	11310
5.227		780	782
5.338		355	1975
5.373		5574	7991
5.445		1433	1831
5.473		491	423
5.508		598	641
5.548		9268	9472
5.591		582	227
5.671		18376	16781
5.699		2627	2863
5.78		450	217
5.827		506	327
5.85		1216	1531
5.905		1269	2164
5.964		550	188
6.004		3828	4862
6.043		25261	24556
6.107		31035	34873
6.16		536	377
6.314		2965	10840
6.366		1213	1922
6.414		1146	1623
6.482		22869	25763
6.567		1241	1665
6.631	DCB	1972626	2099754
6.696		750	323
6.731		993	1203
6.775		2045	2618
6.825		2939	4391
6.914		5116	9670

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WLPIBLKWL PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:19:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		5859	6561
2.117		1756	2919
2.161		3644	6549
2.21		3388	4913
2.242		3055	3361
2.367		1393	970
2.415		1954	2510
2.48		3599	13379
2.538		4135	2041
2.554		65420	56965
2.621	TCX	4269108	2592128
2.708		1943	3299
2.814		895	607
2.84		52823	31019
2.956		11531	8070
2.997		1853	1156
3.119		5546	7276
3.206		3119	18935
3.303		8630	8723
3.338		16349	10546
3.391		6633	4610
3.424		9348	19432
3.574		2669	3325
3.631		4588	11154
3.694		6297	14561
3.754		2412	7888
3.835		1826	3476
3.961		37863	82454
4.094		6852	9353
4.175		6406	7823
4.226		4770	9706
4.347		1538	4715
4.459		17780	15246
4.517		2695	8540
4.585		1596	2511
4.641		1475	965
4.664		2408	1030
4.687		21409	17018
4.741		3339	7380
4.833		3011	17913
5.006		2370	2887
5.082		19507	20078
5.202		45014	41316
5.278		1041	1075
5.39		6114	10987
5.482		1785	2528
5.544		57435	50626
5.612		67683	63947
5.662		17656	17063
5.699		1574	1971
5.937		1926	3054
5.967		49940	43441
5.998		2764	3671
6.126	DCB	4885750	4346707

RT B	Compound B	Height B	Area B
6.464		2729	11168
6.583		6133	9281
6.66		1450	2155
6.797		1286	1241
6.906		4262	7018

IBLKX1724A WLPIBLKWL PIBLK1714199999 10736 SW-846 8082

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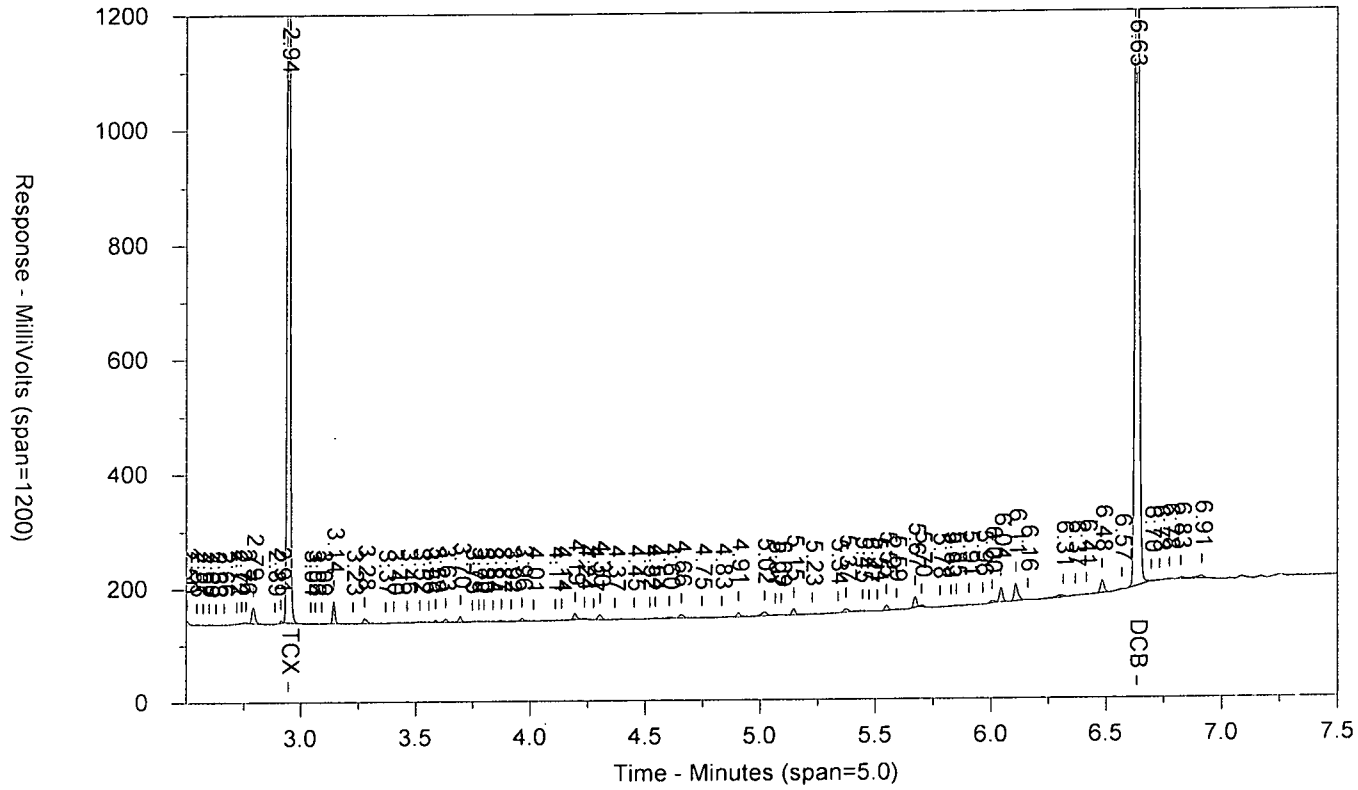

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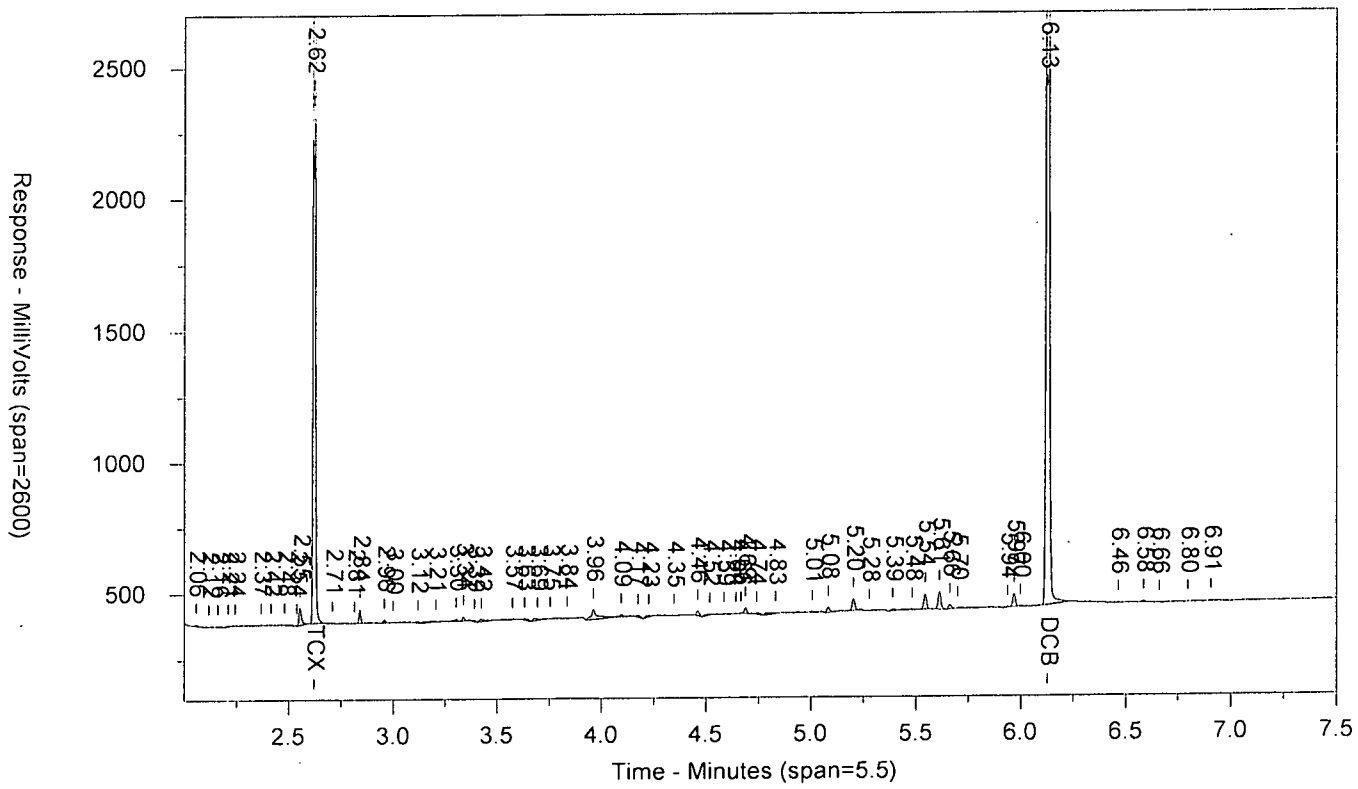

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WLPIBLKWL PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 4:19:22 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	2861965	.205	TCX	2.621	4269108	.224	TCX
6.631	1972626	.198	DCB	6.126	4885750	.207	DCB

Files:
Area File: 25pcbs17116017.006.RAW
Area File: 25pcbs17116017B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:27:52 PM
File Reported On: 5/22/2017 at 4:27:59 PM

IBLKX1724A WLPIBLKWL PIBLK1714199999 10736 SW-846 8082

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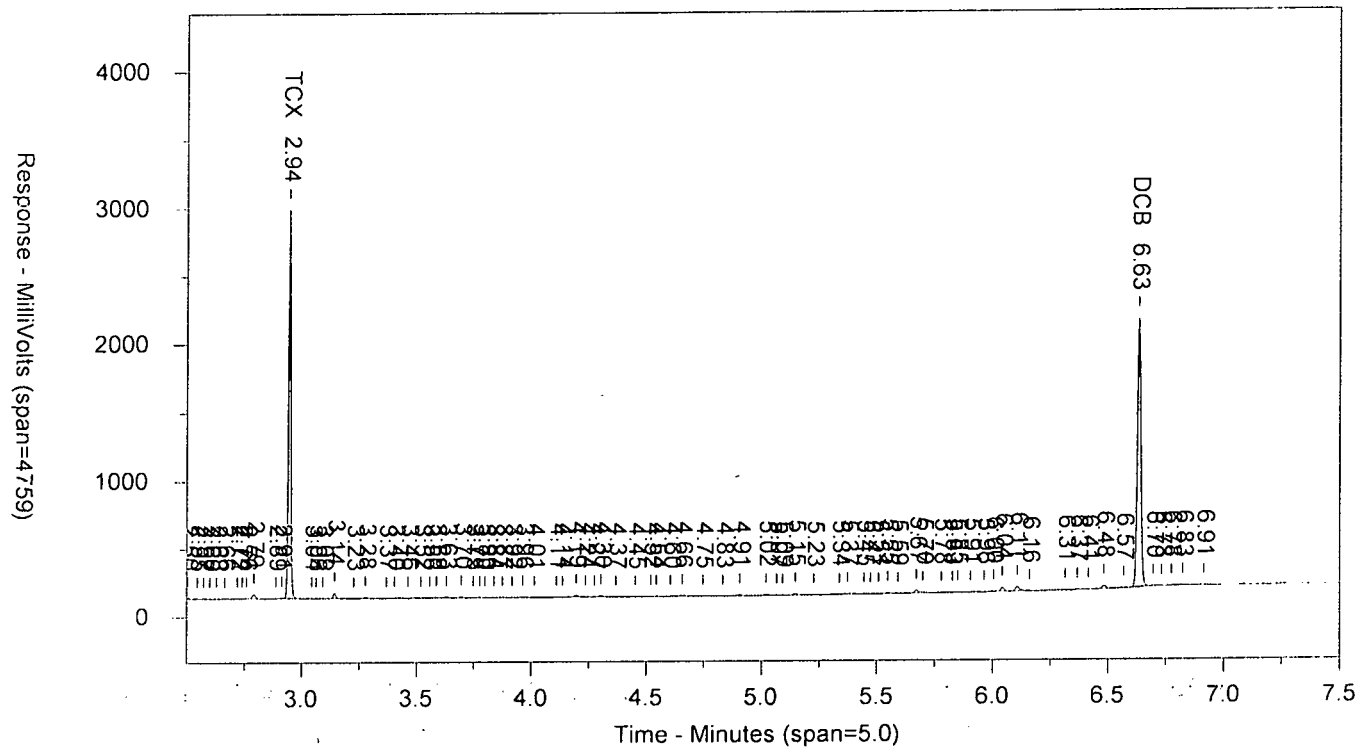

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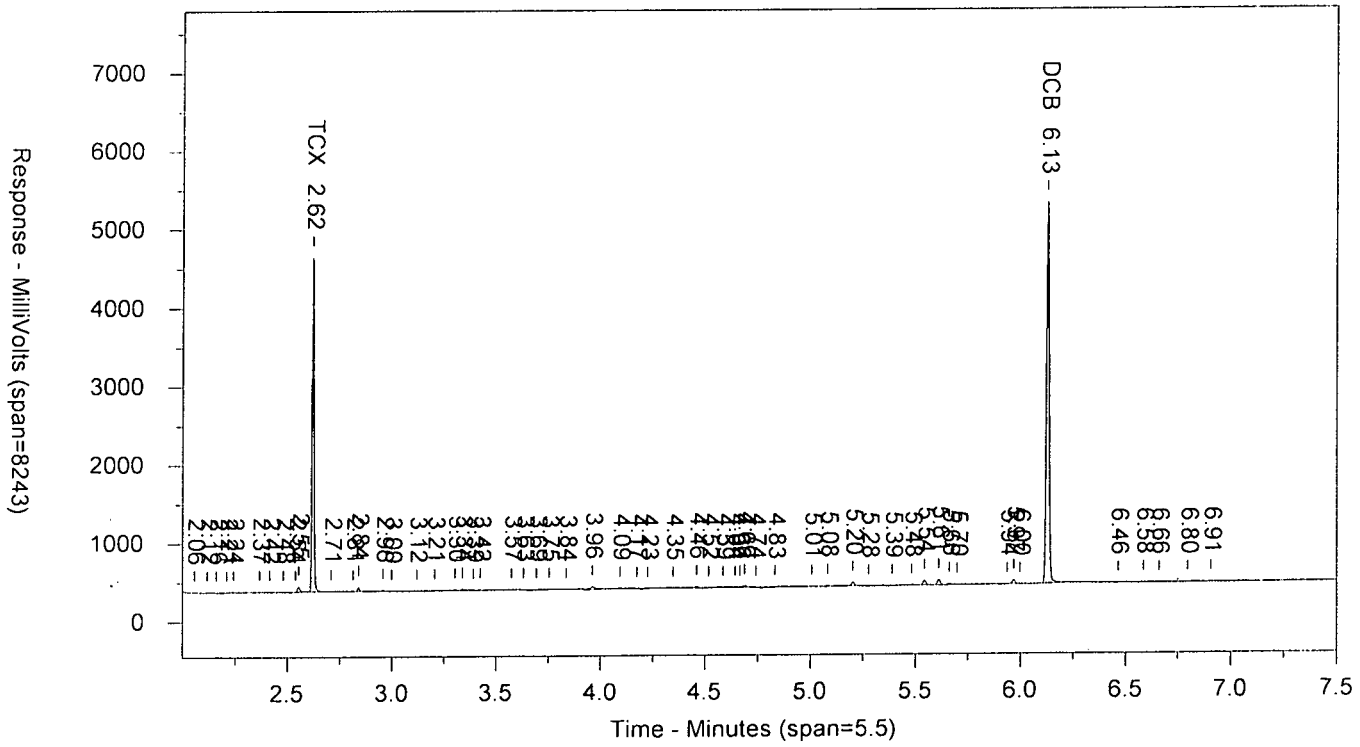

LANCASTER LABORATORIES

Sample Number: AR1631724A DFAR163DF CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:38:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.016		666	486
2.046		9739	9972
2.093		8582	12873
2.175		1362	1777
2.241		24986	19556
2.302		930	878
2.342		20058	18771
2.377		2005	1849
2.445		831	885
2.507		7437	9091
2.548		2241	1921
2.581		5511	3925
2.665		632	583
2.705		1187	1264
2.722		771	441
2.755		2767	4163
2.793		22449	21155
2.859		1478	964
2.888		1803	1276
2.916		3386	2360
2.946	TCX	5639672	3966577
3.036		1457	1285
3.064		1631	1059
3.095		87860	76282
3.15		126673	122963
3.2		461563	342054
3.278		6267	3073
3.294		54927	35411
3.337		1602	1367
3.393		534	347
3.418		441841	273333
3.435		193806	109736
3.473		54912	32548
3.488		5026	1923
3.499		27546	15086
3.534		560529	449816
3.572		2369	1119
3.59		5302	3158
3.611		21017	13803
3.646		118561	71946
3.661		61989	31369
3.705		212084	138829
3.716		618634	311340
3.753		698425	536943
3.811		605484	471141
3.852		46902	34151
3.881		397503	294488
3.908		255346	221443
3.93		61092	31652
4.005		434152	316931
4.029		150423	97328
4.061		167156	124013
4.094		470002	463090
4.135		152615	126043

RT A	Compound A	Height A	Area A
4.183		14937	9924
4.197		4467	2124
4.221		26956	19281
4.256		401298	306984
4.273		64432	33015
4.298		123937	100856
4.369		74721	65923
4.412		462415	466603
4.446		17548	12846
4.508		5675	4585
4.549		65708	63164
4.601		65911	45694
4.617		101894	73033
4.661		324841	299340
4.711		421343	470429
4.748		92944	68354
4.787		985674	926371
4.831		11736	9900
4.872		192085	196105
4.907		20149	13964
4.933		181880	171942
4.984		1162245	1506498
5.036		216749	208840
5.075		543023	630941
5.118		5897	2978
5.154		128198	155660
5.188		1515749	1533647
5.229		19313	9119
5.256		661345	610662
5.298		421475	417181
5.391		199514	154800
5.416		677077	629450
5.472		367037	360100
5.511		218859	231130
5.552		55617	58229
5.594		259117	301852
5.651		1836016	2025758
5.742		1803	2045
5.793		935	830
5.854		1152499	1086966
5.885		65607	45827
5.909		233779	280870
5.957		1133	823
6.01		2531	2951
6.047		75211	73773
6.126		241202	358714
6.239		612	969
6.283		456192	484401
6.328		34324	32374
6.374		1193	1538
6.418		1735	1884
6.487		163453	170936
6.576		1488	3334
6.638	DCB	3674881	3958710
6.781		2737	5137
6.834		3321	3743
6.886		921	823
6.918		4668	5938

LANCASTER LABORATORIES

Sample Number: AR1631724A DFAR163DF CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:38:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		11335	9611
2.161		3453	6331
2.211		2623	3466
2.238		3419	3896
2.284		1587	1719
2.304		6628	4831
2.365		2510	2360
2.418		1580	1003
2.486		4911	14145
2.538		2991	1423
2.554		43415	30583
2.62	TCX	8539032	5246488
2.664		54848	40093
2.71		2881	3621
2.766		2341	1819
2.793		142717	99303
2.839		75133	37047
2.854		125234	67203
2.907		715903	456435
2.956		23172	15931
3.018		97952	67330
3.115		969160	937579
3.167		115971	73677
3.188		57882	32775
3.214		82574	47220
3.238		947582	641106
3.275		40439	25150
3.303		8610	3667
3.322		240123	129336
3.338		138377	70266
3.366		3298	1797
3.389		483982	243837
3.398		1055886	432600
3.432		1067377	818544
3.508		1099070	701170
3.544		733644	477435
3.567		873905	684638
3.672		938785	610257
3.695		350914	195606
3.716		332239	194257
3.746		232342	124253
3.763		847960	502968
3.803		300993	216416
3.852		49339	44467
3.874		214968	131440
3.896		1140267	752853
3.921		219478	133889
3.942		42130	21022
3.961		161832	106016
3.996		952643	658549
4.03		46594	27848
4.045		80309	49458
4.106		11358	13041
4.14		90548	99897

RT B	Compound B	Height B	Area B
4.174		6768	3472
4.198		256446	181835
4.241		253316	152537
4.259		240250	122844
4.272		653303	360690
4.298		393268	398710
4.35		2266642	1698941
4.398		31437	31431
4.421		237254	157003
4.445		485908	351947
4.488		2553898	1925523
4.589		2214381	2098716
4.643		285549	239848
4.681		596350	536834
4.718		2969939	2406928
4.75		1340554	910564
4.788		927799	720962
4.858		3270	3967
4.887		328824	338225
4.938		1798072	1385742
4.962		238911	163432
5.012		946428	846726
5.048		488490	387683
5.078		344853	292620
5.11		144171	84053
5.132		4198121	3467413
5.173		86091	67064
5.204		235916	199780
5.323		45981	29717
5.346		816519	681863
5.39		2992099	3080949
5.511		1949	1297
5.546		155432	141784
5.592		65660	46710
5.614		151979	115993
5.664		493495	441728
5.77		1064077	909477
5.801		66019	49576
5.928		2722	2688
5.969		360178	316880
6.023		2386	1653
6.092		1703	1078
6.13	DCB	9230965	8274321
6.308		3151	3342
6.437		2069	6818
6.587		10576	13061
6.692		1286	1325
6.762		1628	1106
6.831		1455	2371
6.913		5270	9308

AR1631724A DFAR163DF CCAL 1714199999 10736 SW-846 8082

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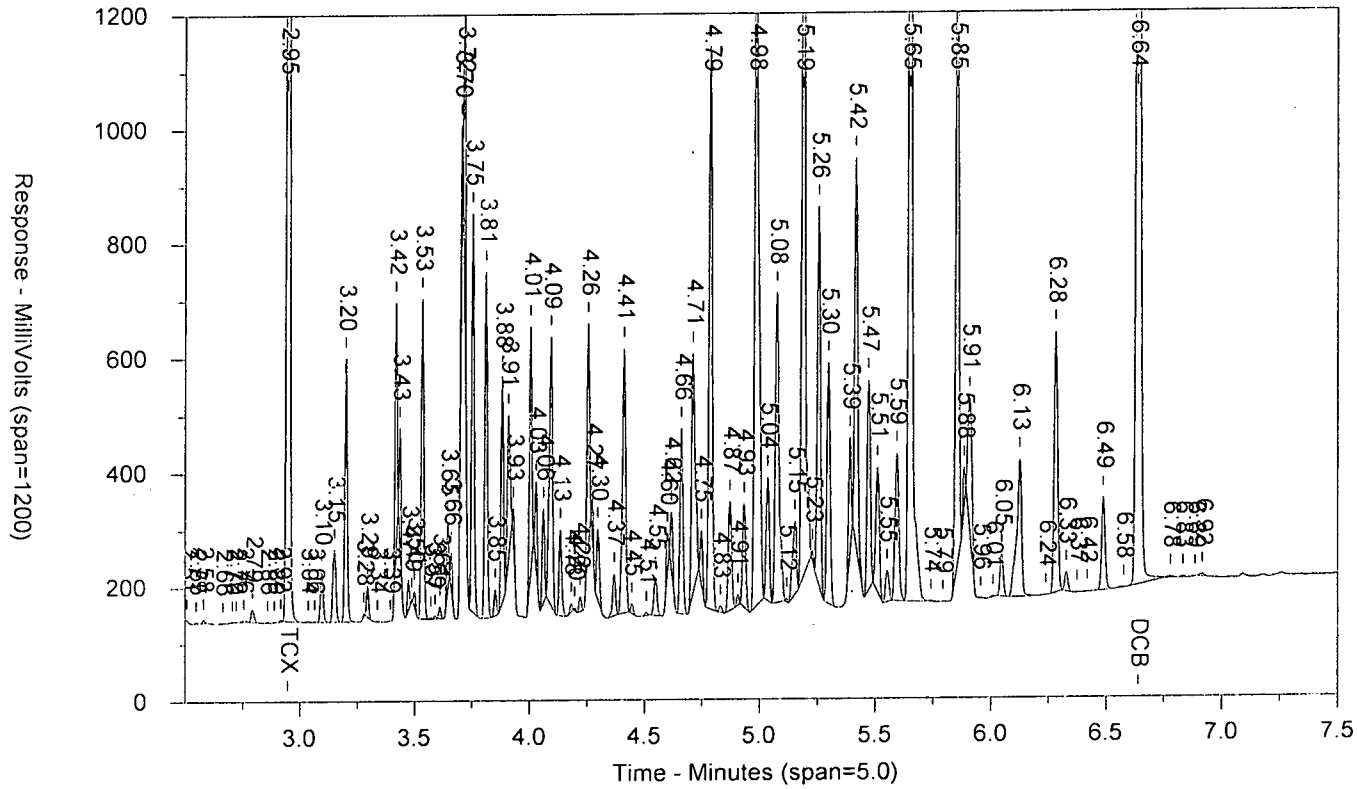

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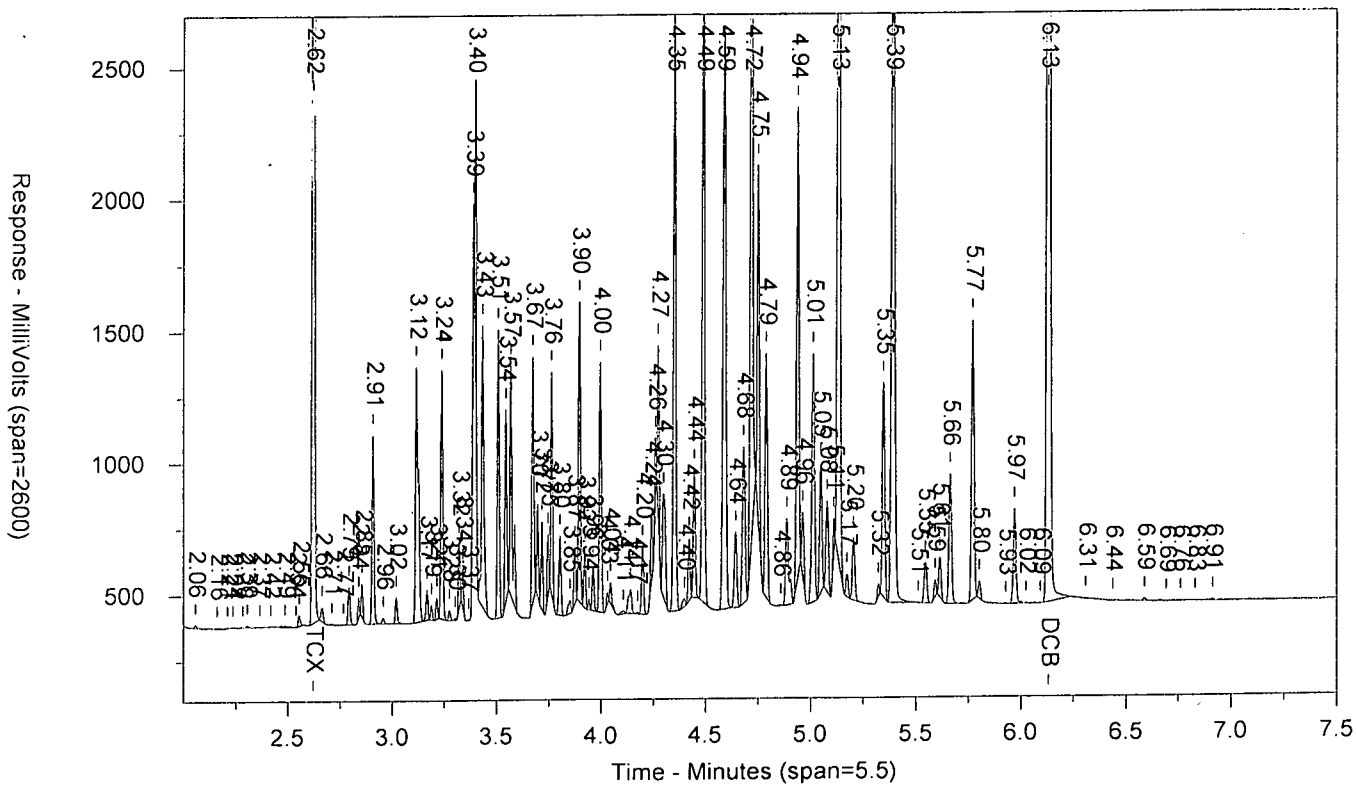

LANCASTER LABORATORIES

Sample Number: AR1631724A DFAR163DF CCAL 1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:38:55 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.946	5639672	40.349	TCX	2.62	8539032	44.841	TCX
6.638	3674881	36.866	DCB	6.13	9230965	39.159	DCB

Files:
Area File: 25pcbs17116017.013.RAW
Area File: 25pcbs17116017B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:47:27 PM
File Reported On: 5/22/2017 at 5:47:33 PM

AR1631724A DFAR163DF CCAL 1714199999 10736 SW-846 8082

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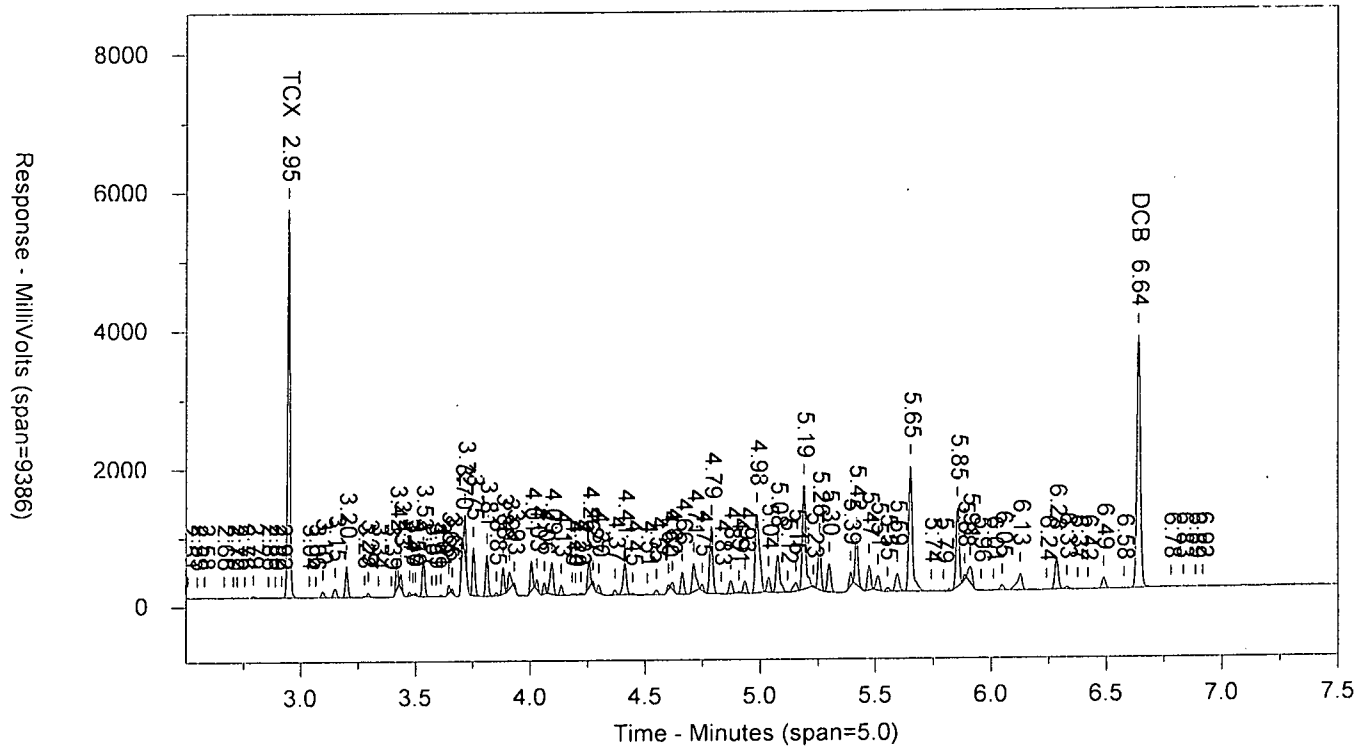

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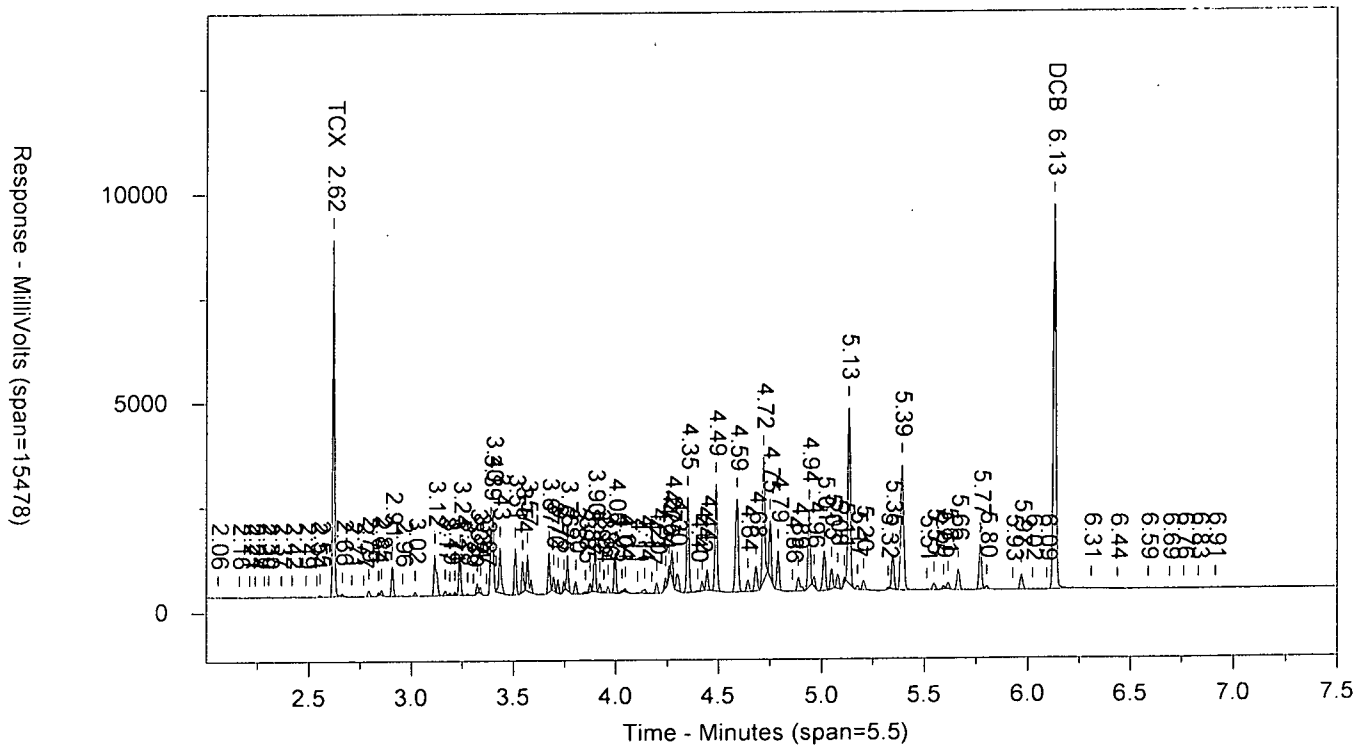

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WMPIBLKWM PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:50:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116017.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		518	470
2.043		6730	6883
2.09		10801	25101
2.238		13780	11831
2.296		1152	1478
2.338		23771	19484
2.375		2601	3494
2.444		528	463
2.502		3931	3962
2.544		1152	979
2.599		884	554
2.657		918	869
2.719		361	553
2.756		2465	3594
2.789		29510	29836
2.884		959	670
2.912		2358	1656
2.943	TCX	2950092	2025219
3.041		486	426
3.089		650	883
3.141		39203	27735
3.227		379	201
3.274		8485	9305
3.399		1159	1165
3.459		575	590
3.518		1204	1664
3.557		955	775
3.585		3513	2276
3.629		3222	3543
3.692		12268	10720
3.746		989	1173
3.773		1216	778
3.797		919	1136
3.83		507	403
3.872		1778	1999
3.916		864	463
3.961		2676	2765
4.05		705	914
4.105		998	796
4.131		503	392
4.191		12479	12893
4.233		1636	1590
4.3		6414	6683
4.355		556	696
4.397		725	714
4.486		259	151
4.54		972	818
4.601		1759	3204
4.653		3804	5152
4.741		770	793
4.798		461	151
4.864		604	525
4.902		8018	7162
5.015		4197	7176

RT A	Compound A	Height A	Area A
5.06		2409	2304
5.143		13669	14185
5.224		852	822
5.334		601	2194
5.369		3400	5107
5.44		1526	1867
5.473		1090	896
5.545		11435	11828
5.615		643	999
5.669		23974	22614
5.697		1349	1346
5.741		706	1012
5.784		506	279
5.848		1865	3234
5.911		963	1686
5.973		387	851
6.005		2162	2545
6.041		30519	29299
6.105		37436	43309
6.177		885	1517
6.259		444	1846
6.307		2333	4571
6.364		2038	2875
6.414		820	1313
6.479		24256	27993
6.568		992	2286
6.63	DCB	1910808	2069145
6.719		566	403
6.777		761	838
6.831		2221	4464
6.909		5226	13553

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WMPIBLKWM PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:50:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.057		6092	5917
2.162		2938	5059
2.208		2954	3710
2.239		3380	3538
2.365		1776	1898
2.472		3378	11016
2.535		4499	2283
2.553		70637	63499
2.62	TCX	4396283	2670176
2.787		1564	936
2.839		56754	33614
2.955		11900	7818
3.074		1014	2359
3.183		419	4722
3.281		1855	932
3.301		6530	3682
3.337		19911	15360
3.389		4109	3031
3.421		6603	8235
3.463		1683	1162
3.493		1038	923
3.577		2129	3282
3.599		3289	12674
3.687		4076	8177
3.728		2502	4807
3.904		4640	6416
3.959		36149	48520
4.031		1887	2458
4.092		7931	7077
4.17		5210	5243
4.224		2603	5131
4.253		1956	3213
4.397		1233	1649
4.429		1178	1087
4.457		20775	16523
4.496		1953	2384
4.585		1712	1948
4.64		1846	1222
4.662		4050	2525
4.685		26935	20515
4.783		4844	9161
4.862		4640	4839
4.937		2011	1387
5		3173	3633
5.078		23504	19848
5.2		56112	49729
5.385		2849	3113
5.461		1016	1597
5.541		70431	62901
5.609		79797	71511
5.658		21701	22125
5.766		1781	5151
5.852		1388	1834
5.92		1983	1673

RT B	Compound B	Height B	Area B
5.965		54015	45722
5.994		2373	2986
6.124	DCB	4789961	4276149
6.296		1438	6346
6.535		1367	721
6.577		4563	4277
6.652		1777	1334
6.785		1201	1243
6.903		3839	7100

IBLKX1724A WMPIBLKWM PIBLK1714199999 10736 SW-846 8082

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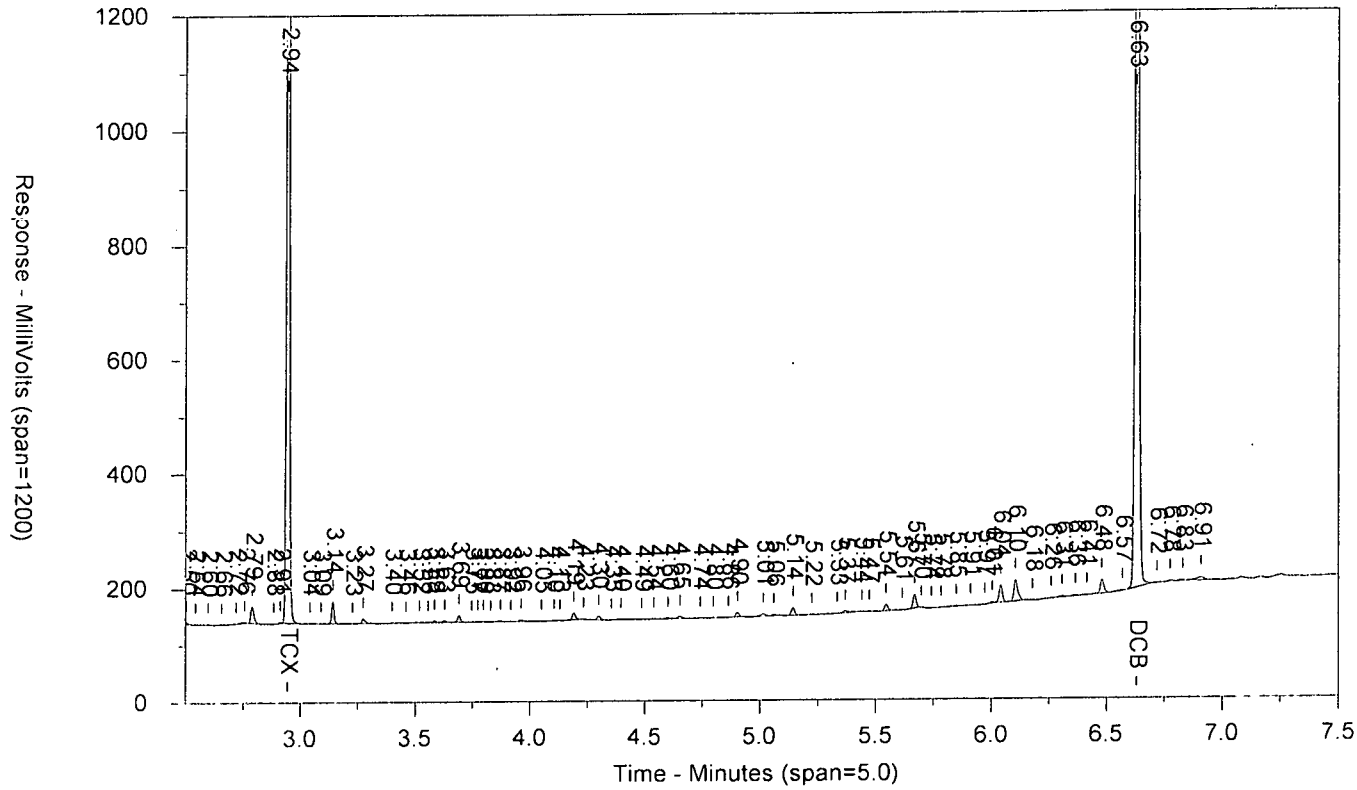

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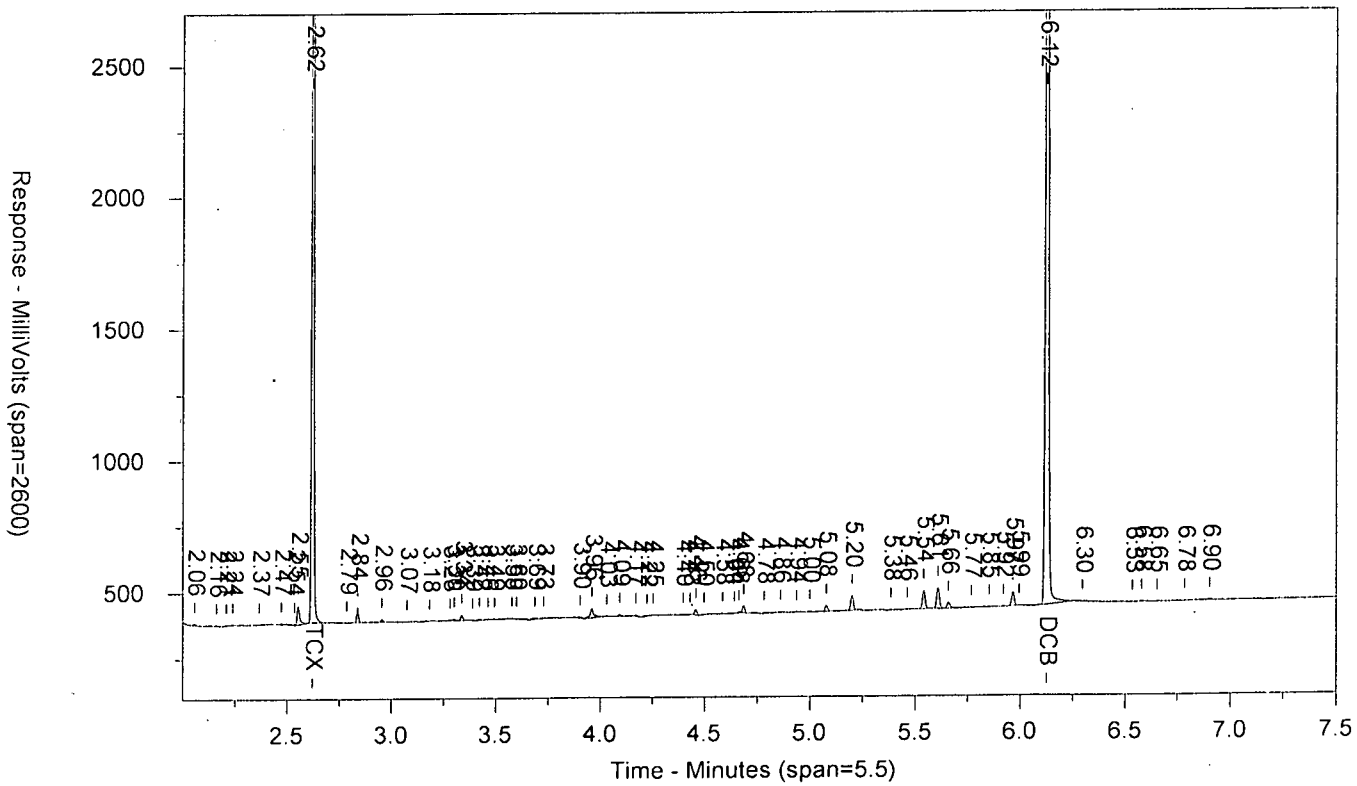

LANCASTER LABORATORIES

Sample Number: IBLKX1724A WMPIBLKWM PIBLK1714199999 10736 SW-846 8082
Injected On: 5/22/2017 5:50:06 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.943	2950092	.211	TCX	2.62	4396283	.231	TCX
6.63	1910808	.192	DCB	6.124	4789961	.203	DCB

Files:
Area File: 25pcbs17116017.014.RAW
Area File: 25pcbs17116017B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:58:37 PM
File Reported On: 5/22/2017 at 5:58:43 PM

IBLKX1724A WMPIBLKWM PIBLK1714199999 10736 SW-846 8082

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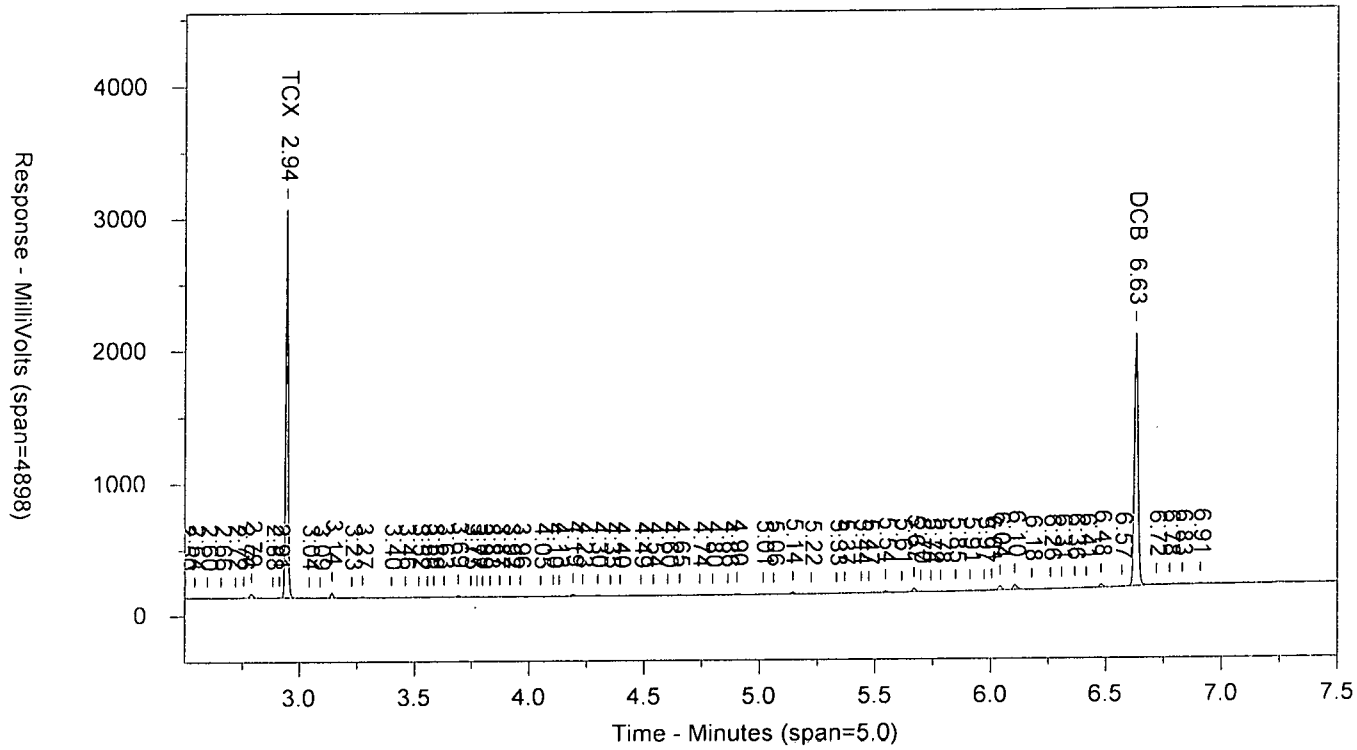

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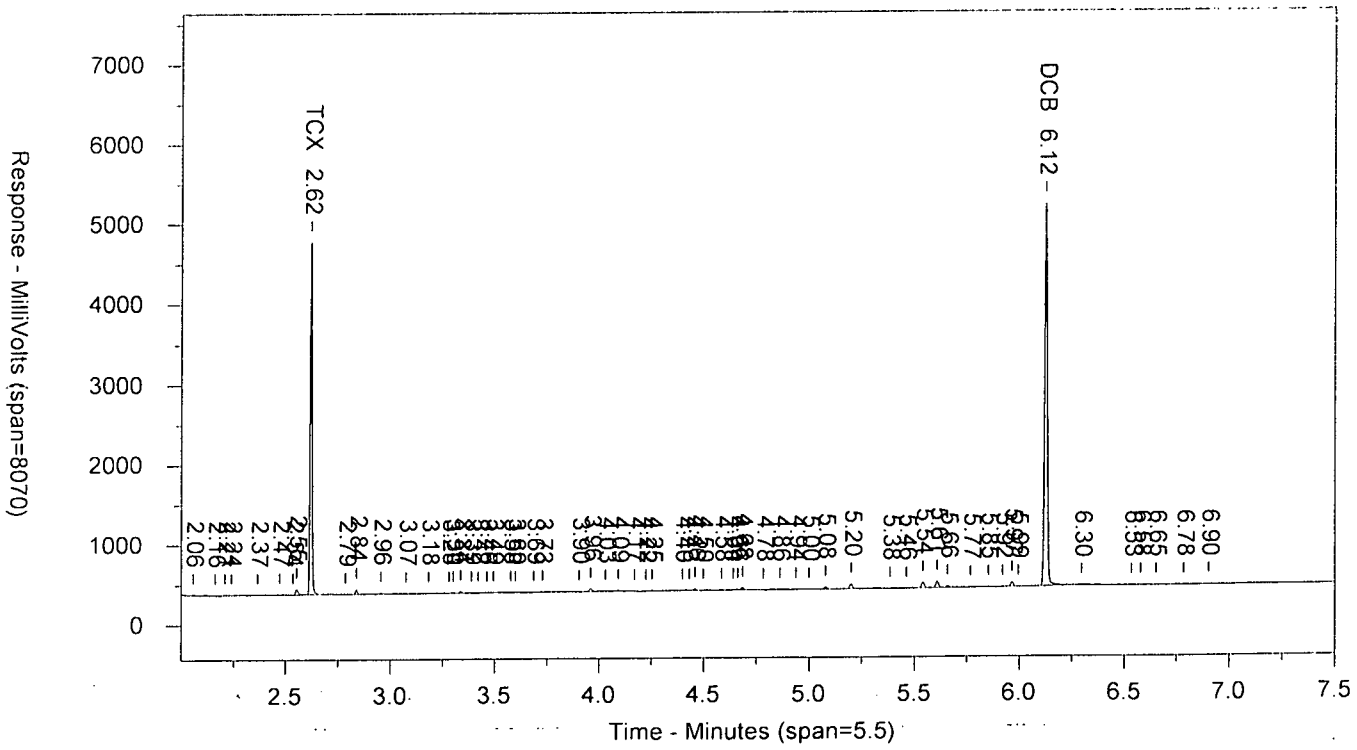


Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 5/19/17 ACF PBLK02139 BLK Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 21, 2017 23:03:23
Instrument	18274A
Result file	25PCBS17116016.031.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 105% (61 - 152) Conc: 30.85596
%SSR(DCB) 102% (48 - 164) Conc: 29.84104

Analysis Report (B)

Injected on	May 21, 2017 23:03:23
Instrument	18274B
Result file	25PCBS17116016B.031.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 116% (61 - 152) Conc: 33.81887
%SSR(DCB) 108% (48 - 164) Conc: 31.5164

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	4312861	30.85596	Tetrachloro-m-xylene	2.59	2.62	2.65	6440051	33.81887
Decachlorobiphenyl	6.61	6.63	6.67	2974656	29.84104	Decachlorobiphenyl	6.10	6.13	6.16	7429386	31.5164

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	30.85596				9.16	
☐ Decachlorobiphenyl	B	31.5164				5.46	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<51	<9.9			4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260			<51	<11.7			4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs			<51	<9.9				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomsyko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/19/17 ACF PBLK02139 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 21, 2017 23:03:23
Instrument : CP25--18274A
Result file : 25PCBS17116016.031.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 105% (61-152) Conc.: 30.85596 BOCS
%SSR(DCB) : 102% (48-164) Conc.: 29.84104

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	52.94	
3.40	3.41	3.44	1596.408	0.722211			2
3.73	3.74	3.77	4000.201	1.175714			4
3.79	3.80	3.83	6409.737	2.109103			5
Height Summation:			12006.346				
Amount Avg CF:			1.335676	Linear:			
Aroclor-1221					2	117.03	
3.07	3.09	3.11	874.3846	0.770774			1
3.13	3.14	3.17	8506.365	8.168473			2
Height Summation:			9380.7496				
Amount Avg CF:			4.469624	Linear:			
Aroclor-1232					3	55.61	
3.40	3.41	3.44	1596.408	1.511405			2
3.74	3.74	3.78	4000.201	2.34723			4
+ 3.74	3.77	3.78	1284.374	0.753642			4
3.79	3.80	3.83	6409.737	4.520469			5
Height Summation:			12006.346				
Amount Avg CF:			2.793034	Linear:			
Aroclor-1242					3	55.21	
3.40	3.41	3.44	1596.408	0.870751			2
3.73	3.74	3.77	4000.201	1.411763			4
+ 3.73	3.77	3.77	1284.374	0.453285			4
3.79	3.80	3.83	6409.737	2.638146			5
Height Summation:			12006.346				
Amount Avg CF:			1.64022	Linear:			
Aroclor-1248					3	84.94	
3.79	3.80	3.83	6409.737	3.678013			1
4.25	4.25	4.29	1661.433	0.613067			5
4.64	4.66	4.68	3001.521	1.3558			6
Height Summation:			11072.691				
Amount Avg CF:			1.882293	Linear:			
Aroclor-1254					6	37.13	
4.24	4.25	4.28	1661.433	0.570036			1
4.58	4.60	4.62	2471.106	0.714301			2
4.64	4.66	4.68	3001.521	0.448713			3
4.77	4.78	4.81	2030.628	0.939414			4
4.86	4.87	4.89	1681.948	0.34186			5
5.05	5.07	5.09	3305.166	0.903221			6
Height Summation:			14151.802				
Amount Avg CF:			0.652924	Linear:			
Aroclor-1260					6	38.57	
4.76	4.78	4.80	2030.628	0.419808			1
5.05	5.07	5.09	3305.166	1.179332			2
5.23	5.25	5.27	2265.87	0.688736			3
5.40	5.41	5.44	3874.922	1.080886			4
5.63	5.65	5.67	6347.426	0.653041			5
5.83	5.85	5.87	7502.689	1.263802			6
Height Summation:			25326.701				
Amount Avg CF:			0.880934	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:03:23
Instrument : CP25--18274B
Result file : 25PCBS17116016B.031.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 116% (61-152) Conc.: 33.81887
%SSR(DCB) : 108% (48-164) Conc.: 31.5164

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	125.53	
2.89	2.89	2.93	2568.053	0.784203			1
+ 2.89	2.91	2.93	1848.276	0.564405			1
3.22	3.26	3.26	23157.15	5.310551			2
3.41	3.44	3.45	2837.635	0.575676			3
3.65	3.66	3.69	2646.495	0.636781			5
3.74	3.76	3.78	3356.279	0.883846			6
Height Summation:			34565.612				
Amount Avg CF:			1.638211	Linear:			
Aroclor-1221					2	126.18	
+ 2.84	2.84	2.88	10466.46	9.974794			2
2.84	2.87	2.88	10681.21	10.179456			2
2.89	2.89	2.93	2568.053	0.579588			3
+ 2.89	2.91	2.93	1848.276	0.417141			3
Height Summation:			13249.263				
Amount Avg CF:			5.379522	Linear:			
Aroclor-1232					5	104.52	
2.89	2.89	2.93	2568.053	0.62707			1
+ 2.89	2.91	2.93	1848.276	0.451314			1
3.22	3.26	3.26	23157.15	11.253808			2
3.41	3.44	3.45	2837.635	1.282907			3
+ 3.65	3.66	3.69	2646.495	1.504402			5
3.65	3.69	3.69	11510.34	6.543061			5
3.75	3.76	3.79	3356.279	1.911443			6
Height Summation:			43429.457				
Amount Avg CF:			4.323658	Linear:			
Aroclor-1242					5	127.81	
2.89	2.89	2.93	2568.053	0.936351			1
+ 2.89	2.91	2.93	1848.276	0.673909			1
3.22	3.26	3.26	23157.15	6.649917			2
3.41	3.44	3.45	2837.635	0.716756			3
3.65	3.66	3.69	2646.495	0.783645			5
3.74	3.76	3.78	3356.279	1.039296			6
Height Summation:			34565.612				
Amount Avg CF:			2.025193	Linear:			
Aroclor-1248					6	69.11	
3.41	3.44	3.45	2837.635	1.43938			1
3.52	3.55	3.56	1249.015	0.247996			2
+ 3.65	3.66	3.69	2646.495	0.439365			3
3.65	3.69	3.69	11510.34	1.91092			3
3.74	3.76	3.78	3356.279	0.729556			4
3.88	3.89	3.92	2733.487	0.295467			5
4.24	4.26	4.28	4662.798	1.064026			6
Height Summation:			26349.554				
Amount Avg CF:			0.947891	Linear:			
Aroclor-1254					5	78.17	
4.24	4.26	4.28	4662.798	0.330682			2
4.33	4.35	4.37	5551.255	0.857476			3
4.40	4.42	4.44	3585.864	0.380339			4
4.47	4.49	4.51	7972.066	1.524951			5
4.62	4.64	4.66	1946.414	0.283015			6
Height Summation:			23718.397				
Amount Avg CF:			0.675293	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/19/17 ACF PBLK02139 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 21, 2017 23:03:23
Instrument : CP25--18274A
Result file : 25PCBS17116016.031.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**32.99**	
5.23	5.25	5.27	2265.87	0.385942			1
5.40	5.41	5.44	3874.922	0.76651			2
5.63	5.65	5.67	6347.426	0.487038			3
5.83	5.85	5.87	7502.689	0.938438			4
5.89	5.91	5.93	2059.999	0.562116			5
6.26	6.28	6.30	2556.124	0.540304			6
Height Summation:			**24607.03**				
Amount Avg CF:			**0.613392**	Linear:			
Aroclor-1268					**6**	**164.31**	
5.83	5.85	5.87	7502.689	0.531462			1
5.89	5.91	5.93	2059.999	0.160367			2
6.03	6.04	6.07	32488.74	2.723251			3
6.09	6.11	6.13	36530.13	11.770822			4
6.26	6.28	6.30	2556.124	0.505493			5
6.47	6.48	6.51	32890.62	0.792102			6
Height Summation:			**114028.302**				
Amount Avg CF:			**2.747249**	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:03:23
Instrument : CP25--18274B
Result file : 25PCBS17116016B.031.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**21.61**	
4.33	4.35	4.37	5551.255	0.528643			1
4.47	4.49	4.51	7972.066	0.662754			2
+ 4.57	4.59	4.61	3897.951	0.377495			3
4.57	4.60	4.61	7153.996	0.692826			3
4.92	4.94	4.96	7070.623	0.854632			4
5.11	5.13	5.15	20267.48	0.993378			5
5.37	5.39	5.41	10024.39	0.819127			6
Height Summation:			**58039.81**				
Amount Avg CF:			**0.75856**	Linear:			
Aroclor-1262					**6**	**24.08**	
4.73	4.75	4.77	5346.956	0.404359			1
4.92	4.94	4.96	7070.623	0.540672			2
5.11	5.13	5.15	20267.48	0.740601			3
5.33	5.35	5.36	4878.959	0.474149			4
5.37	5.39	5.41	10024.39	0.5612			5
5.75	5.77	5.79	7637.072	0.744444			6
Height Summation:			**55225.48**				
Amount Avg CF:			**0.577571**	Linear:			
Aroclor-1268					**6**	**166.79**	
5.33	5.35	5.37	4878.959	0.150088			1
5.37	5.39	5.41	10024.39	0.317084			2
5.53	5.55	5.57	74343.58	2.702932			3
5.59	5.61	5.63	80637.62	11.906026			4
5.75	5.77	5.79	7637.072	0.666636			5
5.95	5.97	5.99	71829.18	0.735417			6
Height Summation:			**249350.801**				
Amount Avg CF:			**2.746364**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		20.35	4	40	
Aroclor-1221			51	15.3		18.48	3	5	
Aroclor-1232			51	12.3		** 43.02	4	10	
Aroclor-1242			51	12.3		21.01	4	30	
Aroclor-1248			51	9.9		** 66.03	4	40	
Aroclor-1254			51	13.2		3.37	4	40	
Aroclor-1260			51	11.7		14.93	4	40	
Aroclor-1262			51	9.9		6.02	4	40	
Aroclor-1268			51	9.9		0.03	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 5/19/17 ACF ABPBLK02139 BLK 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:03:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.008		3616	1951
2.049		8233	8491
2.094		11339	13779
2.12		2587	1341
2.146		350203	252438
2.212		22185	15560
2.24		15844	12696
2.302		1423	1391
2.34		61690	48561
2.38		3216	2599
2.406		196826	136313
2.442		371	169
2.455		1192	679
2.475		1635	854
2.493		3717	5271
2.549		1276	568
2.58		973	592
2.603		1722	1349
2.664		2407	1482
2.697		1094	1217
2.718		6074	3663
2.758		38953	42846
2.833		1712	1307
2.888		7602	5180
2.914		1168	767
2.945	TCX	4312861	3027789
3.007		1392	1867
3.092		874	884
3.144		8506	7112
3.224		2040	1916
3.25		2525	1581
3.276		7164	8615
3.32		580	267
3.336		1921	4639
3.381		2740	2618
3.407		1596	4227
3.461		2296	2009
3.49		1682	1360
3.508		3411	2040
3.559		2141	1642
3.582		1070	847
3.613		13015	13372
3.654		2736	2015
3.679		12269	8084
3.697		1798	1108
3.739		4000	3469
3.769		1284	1231
3.8		6410	7031
3.912		1511	2509
3.966		1429	1452
4.054		389	134
4.115		1050	996
4.135		581	251
4.194		14503	14936

RT A	Compound A	Height A	Area A
4.254		1661	2055
4.302		5597	7136
4.35		637	529
4.394		471	334
4.429		1604	4460
4.518		680	291
4.542		658	487
4.598		2471	2943
4.658		3002	3387
4.746		641	555
4.782		2031	2195
4.835		415	335
4.87		1682	2168
4.905		7922	9821
4.981		4014	5106
5.026		4770	4975
5.068		3305	5027
5.145		12272	12626
5.186		5108	4755
5.224		733	503
5.253		2266	2066
5.295		1540	1440
5.362		2805	2935
5.415		3875	7152
5.446		659	357
5.476		111358	132117
5.548		10684	10796
5.592		1513	2479
5.648		6347	4735
5.673		19650	16979
5.705		958	628
5.751		763	468
5.852		7503	7537
5.885		472	317
5.907		2060	2498
5.983		237	610
6.012		953	1348
6.044		32489	31702
6.108		36530	45595
6.175		1489	3035
6.237		641	1282
6.279		2556	2126
6.316		1651	2217
6.365		883	1219
6.411		1240	1435
6.483		32891	36205
6.57		732	1691
6.632	DCB	2974656	3231660
6.776		2835	4470
6.831		1576	2381
6.876		842	369
6.883		773	371
6.914		3541	4074
6.969		403	226

LANCASTER LABORATORIES

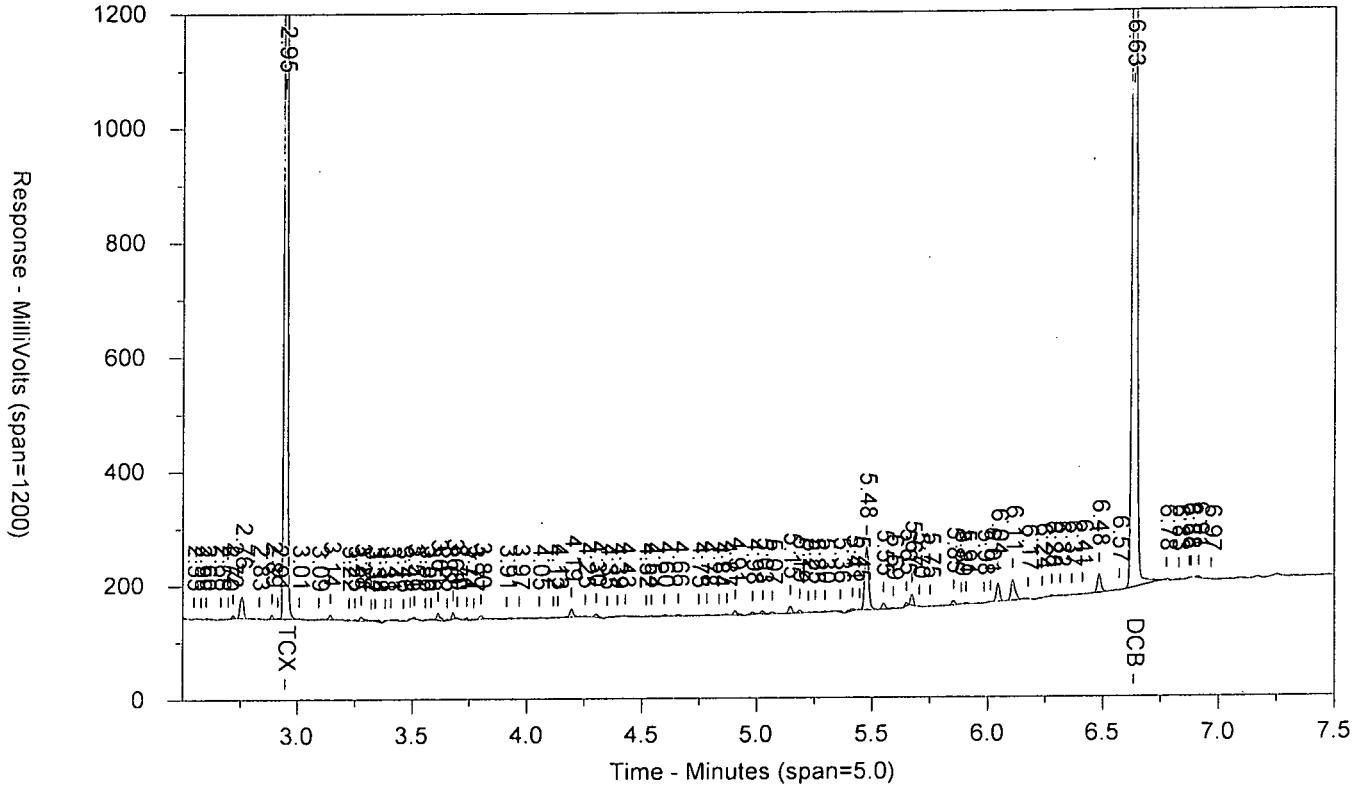
Sample Number: BLANKA 5/19/17 ACF ABPBLK02139 BLK 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:03:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9619	8108
2.119		227000	143377
2.162		2638	1689
2.189		3031	1971
2.217		2720	2214
2.237		3429	3021
2.322		1706	1599
2.36		1946	2330
2.397		8299	6129
2.44		38124	24213
2.466		39008	27033
2.539		1559	824
2.559		1916	1348
2.597		6909	3333
2.621	TCX	6440051	3947092
2.7		3388	1598
2.713		3870	4068
2.743		6763	5223
2.82		15033	19633
2.844		10466	4888
2.868		10681	10908
2.891		2568	1988
2.906		1848	878
2.93		10412	8036
2.956		15589	15689
3.002		9131	13868
3.049		3927	2864
3.067		2193	1260
3.092		5260	7320
3.126		12396	11061
3.157		14518	16778
3.18		4488	3212
3.196		8867	7492
3.255		23157	26313
3.271		3565	1413
3.291		4147	3080
3.333		23749	18096
3.369		6122	4510
3.393		5967	4179
3.443		2838	7903
3.473		1416	1037
3.549		1249	1488
3.577		2473	2421
3.608		10296	7621
3.656		2646	3556
3.692		11510	17143
3.757		3356	15236
3.827		1627	1180
3.846		3710	2225
3.894		2733	2018
3.961		39463	39055
4.027		3564	5790
4.093		8396	7383
4.132		2507	2351

RT B	Compound B	Height B	Area B
4.173		6251	9815
4.227		3669	6261
4.256		4663	6293
4.296		2368	1866
4.35		5551	6309
4.418		3586	2662
4.461		17832	15031
4.486		7972	6513
4.543		2683	2627
4.589		3898	3026
4.605		7154	4949
4.64		1946	1342
4.665		7383	13041
4.717		13102	11985
4.749		5347	5511
4.788		6723	8287
4.863		313853	325051
4.938		7071	5629
4.962		2428	1511
5.011		4551	4712
5.052		2446	2528
5.082		23789	19297
5.13		20267	18685
5.204		52833	44575
5.322		2131	2221
5.348		4879	4735
5.387		10024	9530
5.497		1818	4736
5.545		74344	64839
5.613		80638	71986
5.662		21337	17007
5.692		3464	3319
5.769		7637	6788
5.869		1510	2091
5.934		973	752
5.968		71829	61822
6		2965	1724
6.069		1392	1951
6.128	DCB	7429386	6729511
6.744		1379	8372
6.826		1376	2659
6.909		4431	7653

BLANKA 5/19/17 ACF ABPBLK02139 BLK 171390002A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.031.RAW



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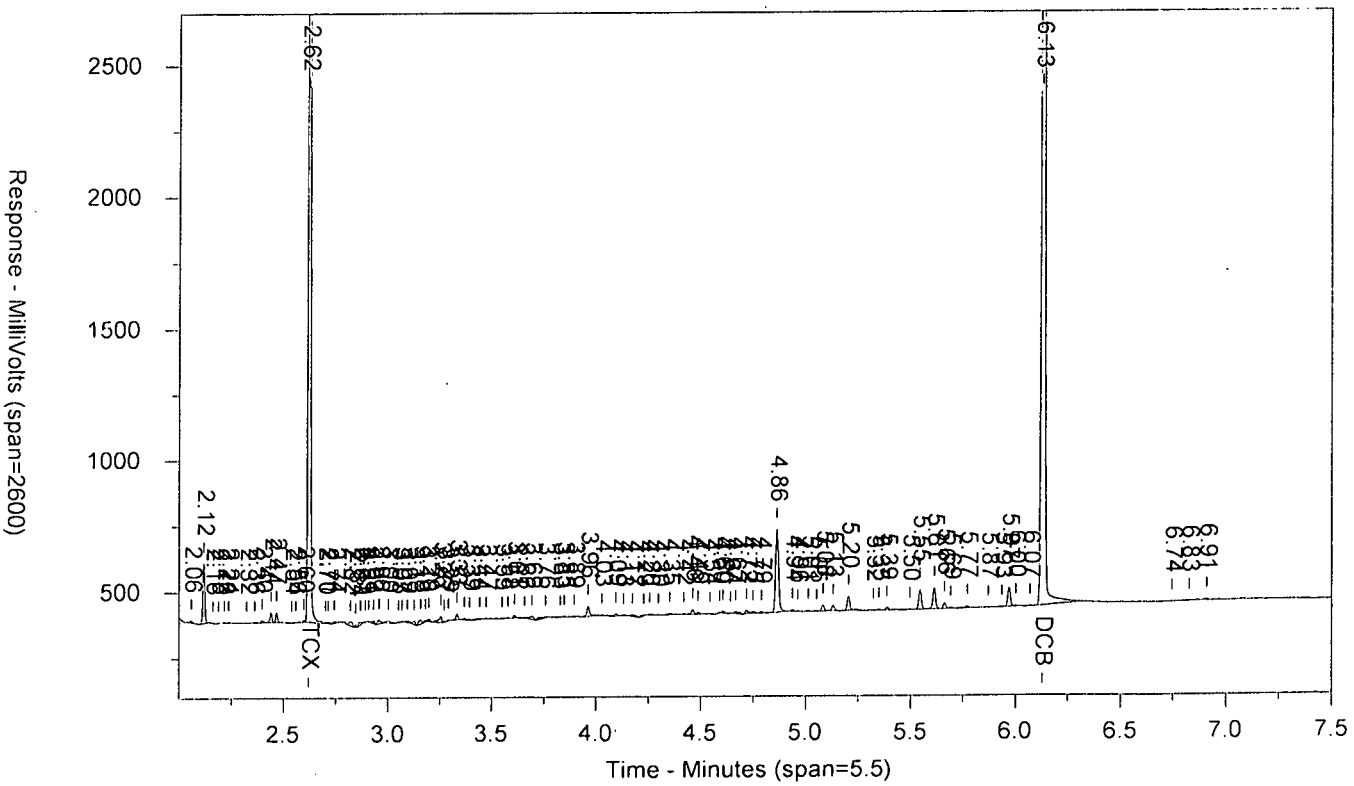


LANCASTER LABORATORIES

Sample Number: BLANKA 5/19/17 ACF ABPBLK02139 BLK 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:03:23 PM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

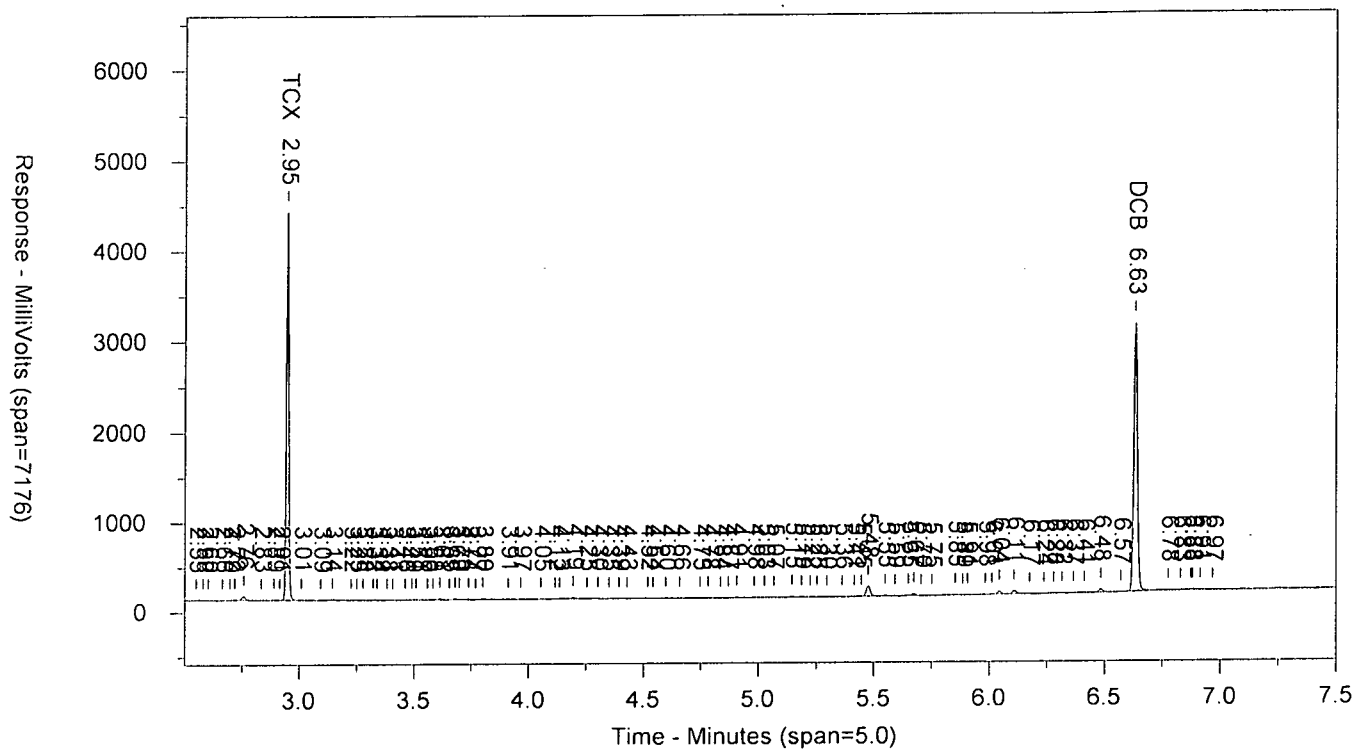
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	4312861	30.856	TCX	2.621	6440051	33.819	TCX
6.632	2974656	29.841	DCB	6.128	7429386	31.516	DCB

Files:
Area File: 25pcbs17116016.031.RAW
Area File: 25pcbs17116016B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 11:11:54 PM
File Reported On: 5/21/2017 at 11:12:04 PM

BLANKA 5/19/17 ACF ABPBLK02139 BLK 171390002A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.031.RAW



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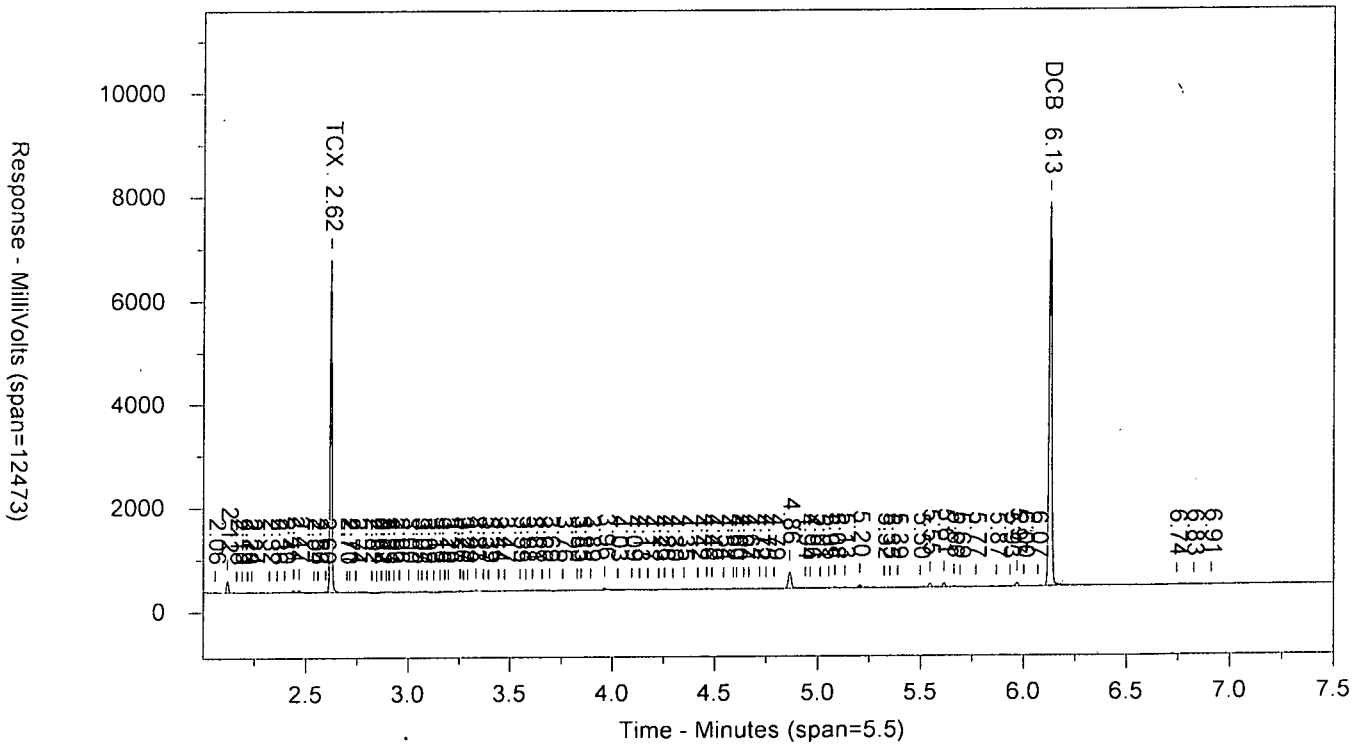

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Data Summary

Sample Name: 8998315 MSACF DF5 A4601 MS Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 03:57:59
Instrument	18274A
Result file	25PCBS17116016.057.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 68% (61 - 152) Conc: 18.94916
%SSR(DCB) 77% (48 - 164) Conc: 21.34228

Analysis Report (B)

Injected on	May 22, 2017 03:57:59
Instrument	18274B
Result file	25PCBS17116016B.057.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 66% (61 - 152) Conc: 18.52978
%SSR(DCB) 75% (48 - 164) Conc: 20.83191

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	555676	18.94916
Decachlorobiphenyl	6.61	6.63	6.67	446343	21.34228

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	740297	18.52978
Decachlorobiphenyl	6.10	6.13	6.16	1030269	20.83191

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	18.94916				2.24	
☐ Decachlorobiphenyl	A	21.34228				2.42	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.51**	
3.18	3.20	3.22	162989.8	333.583288			1
3.40	3.41	3.44	156827.5	338.171314			2
3.51	3.53	3.55	195850.2	333.360905			3
3.73	3.75	3.77	239768.5	335.897243			4
3.79	3.80	3.83	200513.1	314.481256			5
3.98	4.00	4.02	162849.8	361.92031			6
Height summation:			**1118798.9**				
Concentration		CF:	**336.235719**	L:			
Aroclor-1260						**16.02**	
4.76	4.78	4.80	1029320	1014.297763			1
5.05	5.07	5.09	851347.8	1447.918756			2
5.23	5.25	5.27	671140.9	972.35695			3
5.40	5.41	5.44	739899.9	983.749492			4
5.63	5.65	5.67	2306129	1130.890631			5
5.83	5.85	5.87	1425230	1144.304051			6
Height summation:			**7023067.6**				
Concentration		CF:	**1115.586274**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.21**	
2.89	2.91	2.93	239314.1	348.326936			1
3.22	3.24	3.26	308186.1	336.869771			2
3.41	3.43	3.45	367448.8	355.314709			3
3.49	3.50	3.53	361776.2	336.259965			4
3.65	3.67	3.69	335345.5	384.596861			5
3.74	3.76	3.78	291130.3	365.42693			6
Height summation:			**1903201**				
Concentration		CF:	**354.465862**	L:			
Aroclor-1260						**10.38**	
4.33	4.35	4.37	2478718	1125.104865			1
4.47	4.48	4.51	3224894	1277.884287			2
4.57	4.59	4.61	2357055	1088.026795			3
4.92	4.93	4.96	1812648	1044.310449			4
5.11	5.13	5.15	5124893	1197.27555			5
5.37	5.39	5.41	3515555	1369.246715			6
Height summation:			**18513763**				
Concentration		CF:	**1183.641444**	L:			

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Data Summary

Sample Name: 8998315 MSACF DF5 A4601 MS Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 03:57:59
Instrument	18274A
Result file	25PCBS17116016.057.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 22, 2017 03:57:59
Instrument	18274B
Result file	25PCBS17116016B.057.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	354.465862	243.0887	47.1878		5.28	4	
☐ PCB-1221			<243.0887	<72.9266			3	
☐ PCB-1232			<243.0887	<58.6273			4	
☐ PCB-1242			<243.0887	<58.6273			4	
☐ PCB-1248			<243.0887	<47.1878			4	
☐ PCB-1254			<243.0887	<62.9171			4	
☐ PCB-1260	B	1183.641444	243.0887	55.7674		5.92	4	
☐ PCB-1262			<243.0887	<47.1878			4	
☐ PCB-1268			<243.0887	<47.1878			4	
☐ Total PCBs	A	1538.107306	243.0887	47.1878				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist

Date: MAY 23 2017

Verified by: Valerie L. Tomzyko, Principal Specialist

Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998315** MSACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 03:57:59
Instrument : CP25--18274A
Result file : 25PCBS17116016.057.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 68% (61-152) Conc.: 18.94916
%SSR(DCB) : 77% (48-164) Conc.: 21.34228

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**4.51**	
3.18	3.20	3.22	162989.8	333.583288			1
3.40	3.41	3.44	156827.5	338.171314			2
+ 3.40	3.43	3.44	71554.91	154.295758			2
3.51	3.53	3.55	195850.2	333.360905			3
3.73	3.75	3.77	239768.5	335.897243			4
3.79	3.80	3.83	200513.1	314.481256			5
3.98	4.00	4.02	162849.8	361.92031			6
Height Summation:			**1118798.9**				
Amount Avg CF:			**336.235719**	Linear:			
Aroclor-1221					**3**	**34.67**	
3.07	3.09	3.11	29403.91	123.544755			1
3.13	3.15	3.17	35595.66	162.925266			2
3.18	3.20	3.22	162989.8	243.75359			3
Height Summation:			**227989.37**				
Amount Avg CF:			**176.741204**	Linear:			
Aroclor-1232					**6**	**29.81**	
3.18	3.20	3.22	162989.8	272.791937			1
3.40	3.41	3.44	156827.5	707.707178			2
+ 3.40	3.43	3.44	71554.91	322.902064			2
3.52	3.53	3.56	195850.2	671.750662			3
3.74	3.75	3.78	239768.5	670.595122			4
3.79	3.80	3.83	200513.1	674.0321			5
3.99	4.00	4.03	162849.8	837.318721			6
+ 3.99	4.02	4.03	56071.11	288.298728			6
Height Summation:			**1118798.9**				
Amount Avg CF:			**639.03262**	Linear:			
Aroclor-1242					**6**	**3.86**	
3.18	3.20	3.22	162989.8	393.084695			1
3.40	3.41	3.44	156827.5	407.724333			2
+ 3.40	3.43	3.44	71554.91	186.03037			2
3.51	3.53	3.55	195850.2	399.266256			3
3.73	3.75	3.77	239768.5	403.335577			4
3.79	3.80	3.83	200513.1	393.3652			5
3.98	4.00	4.02	162849.8	435.083494			6
Height Summation:			**1118798.9**				
Amount Avg CF:			**405.309926**	Linear:			
Aroclor-1248					**6**	**94.94**	
3.79	3.80	3.83	200513.1	548.416262			1
3.86	3.87	3.90	157503.3	274.334862			2
3.98	4.00	4.02	162849.8	245.278335			3
+ 3.98	4.02	4.02	56071.11	84.452229			3
4.07	4.09	4.11	178957	313.22762			4
+ 4.25	4.27	4.29	79695.24	140.168931			5
4.25	4.29	4.29	135124.8	237.659097			5
4.64	4.66	4.68	695972.8	1498.445532			6
Height Summation:			**1530920.8**				
Amount Avg CF:			**519.560285**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:57:59
Instrument : CP25--18274B
Result file : 25PCBS17116016B.057.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 66% (61-152) Conc.: 18.52978
%SSR(DCB) : 75% (48-164) Conc.: 20.83191

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**5.21**	
2.89	2.91	2.93	239314.1	348.326936			1
3.22	3.24	3.26	308186.1	336.869771			2
3.41	3.43	3.45	367448.8	355.314709			3
3.49	3.50	3.53	361776.2	336.259965			4
3.65	3.67	3.69	335345.5	384.596861			5
+ 3.65	3.69	3.69	132738.6	152.233588			5
3.74	3.76	3.78	291130.3	365.42693			6
Height Summation:			**1903201**				
Amount Avg CF:			**354.465862**	Linear:			
Aroclor-1221					**3**	**23.94**	
2.77	2.79	2.81	57984.17	162.654319			1
2.84	2.85	2.88	55954.26	254.174388			2
2.89	2.91	2.93	239314.1	257.441407			3
Height Summation:			**353252.53**				
Amount Avg CF:			**224.756705**	Linear:			
Aroclor-1232					**6**	**31.06**	
2.89	2.91	2.93	239314.1	278.531639			1
3.22	3.24	3.26	308186.1	713.874632			2
3.41	3.43	3.45	367448.8	791.826283			3
3.49	3.50	3.53	361776.2	754.895189			4
3.65	3.67	3.69	335345.5	908.6148			5
+ 3.65	3.69	3.69	132738.6	359.65372			5
3.75	3.76	3.79	291130.3	790.287799			6
Height Summation:			**1903201**				
Amount Avg CF:			**706.33839**	Linear:			
Aroclor-1242					**6**	**4.77**	
2.89	2.91	2.93	239314.1	415.908155			1
3.22	3.24	3.26	308186.1	421.831162			2
3.41	3.43	3.45	367448.8	442.39069			3
3.49	3.50	3.53	361776.2	426.901757			4
3.65	3.67	3.69	335345.5	473.2986			5
3.74	3.76	3.78	291130.3	429.697829			6
Height Summation:			**1903201**				
Amount Avg CF:			**435.004699**	Linear:			
Aroclor-1248					**6**	**78.35**	
3.41	3.43	3.45	367448.8	888.40383			1
+ 3.52	3.54	3.56	297466.3	281.520205			2
3.52	3.56	3.56	314993.2	298.107551			2
3.65	3.67	3.69	335345.5	265.363554			3
+ 3.65	3.69	3.69	132738.6	105.037899			3
3.74	3.76	3.78	291130.3	301.635465			4
3.88	3.89	3.92	868155.6	447.2847			5
4.24	4.25	4.28	1346445	1464.497424			6
Height Summation:			**3523518.4**				
Amount Avg CF:			**610.882087**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998315** MSACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 03:57:59
Instrument : CP25--18274A
Result file : 25PCBS17116016.057.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.66	
4.24	4.25	4.28	248559.3	406.484263			1
+ 4.24	4.27	4.28	79695.24	130.330512			1
4.58	4.59	4.62	137052.9	188.830766			2
+ 4.58	4.61	4.62	38982.25	53.709539			2
4.64	4.66	4.68	695972.8	495.923122			3
4.77	4.78	4.81	1029320	2269.717221			4
4.86	4.87	4.89	641361.8	621.345618			5
5.05	5.07	5.09	851347.8	1108.925661			6
Height Summation:			**3603614.6**				
Amount Avg CF:			**848.537775**	Linear:			
Aroclor-1260					6	16.02	
4.76	4.78	4.80	1029320	1014.297763			1
5.05	5.07	5.09	851347.8	1447.918756			2
5.23	5.25	5.27	671140.9	972.35695			3
5.40	5.41	5.44	739899.9	983.749492			4
5.63	5.65	5.67	2306129	1130.890631			5
5.83	5.85	5.87	1425230	1144.304051			6
Height Summation:			**7023067.6**				
Amount Avg CF:			**1115.586274**	Linear:			
Aroclor-1262					6	30.99	
5.23	5.25	5.27	671140.9	544.872592			1
5.40	5.41	5.44	739899.9	697.62553			2
5.63	5.65	5.67	2306129	843.419379			3
5.83	5.85	5.87	1425230	849.705262			4
5.89	5.90	5.93	258274.7	335.919683			5
6.26	6.27	6.30	558649.8	562.847478			6
Height Summation:			**5959324.3**				
Amount Avg CF:			**639.064987**	Linear:			
Aroclor-1268					6	94.82	
5.83	5.85	5.87	1425230	481.21013			1
5.89	5.90	5.93	258274.7	95.83488			2
6.03	6.04	6.07	23198.77	9.268604			3
+ 6.09	6.09	6.13	37591.79	57.73552			4
6.09	6.12	6.13	243126.3	373.406624			4
6.26	6.27	6.30	558649.8	526.583533			5
6.47	6.48	6.51	137459.5	15.778954			6
Height Summation:			**2645939.07**				
Amount Avg CF:			**250.347121**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 03:57:59
Instrument : CP25--18274B
Result file : 25PCBS17116016B.057.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.88	
4.18	4.19	4.22	488759.3	303.327113			1
4.24	4.25	4.28	1346445	455.142833			2
4.33	4.35	4.37	2478718	1824.956215			3
4.40	4.42	4.44	1160413	586.656507			4
+ 4.40	4.44	4.44	549284.1	277.695175			4
4.47	4.48	4.51	3224894	2940.321667			5
4.62	4.64	4.66	1117594	774.557235			6
Height Summation:			**9816823.3**				
Amount Avg CF:			**1147.493595**	Linear:			
Aroclor-1260					6	10.38	
4.33	4.35	4.37	2478718	1125.104865			1
4.47	4.48	4.51	3224894	1277.884287			2
4.57	4.59	4.61	2357055	1088.026795			3
4.92	4.93	4.96	1812648	1044.310449			4
5.11	5.13	5.15	5124893	1197.27555			5
5.37	5.39	5.41	3515555	1369.246715			6
Height Summation:			**18513763**				
Amount Avg CF:			**1183.641444**	Linear:			
Aroclor-1262					6	33.76	
4.73	4.75	4.77	1290635	465.22052			1
4.92	4.93	4.96	1812648	660.669245			2
5.11	5.13	5.15	5124893	892.614525			3
5.33	5.34	5.36	839913.4	389.060387			4
5.37	5.39	5.41	3515555	938.09778			5
5.75	5.77	5.79	1291024	599.838276			6
Height Summation:			**13874668.4**				
Amount Avg CF:			**657.583456**	Linear:			
Aroclor-1268					6	124.25	
5.33	5.34	5.37	839913.4	123.153422			1
5.37	5.39	5.41	3515555	530.034884			2
5.53	5.54	5.57	61617.5	10.678006			3
5.59	5.61	5.63	34034.3	23.951928			4
+ 5.59	5.63	5.63	5301.939	3.731285			4
5.75	5.77	5.79	1291024	537.143774			5
5.95	5.97	5.99	298667.9	14.575246			6
Height Summation:			**6040812.1**				
Amount Avg CF:			**206.589543**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			243.0887	47.1878		5.28	4	40	
Aroclor-1221			243.0887	72.9266		23.92	3	5	
Aroclor-1232			243.0887	58.6273		10.01	4	10	
Aroclor-1242			243.0887	58.6273		7.07	4	30	
Aroclor-1248			243.0887	47.1878		16.16	4	40	
Aroclor-1254			243.0887	62.9171		29.96	4	40	
Aroclor-1260			243.0887	55.7674		5.92	4	40	
Aroclor-1262			243.0887	47.1878		2.86	4	40	
Aroclor-1268			243.0887	47.1878		19.15	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998315MSACF DF5 ACA4601 MS 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:57:59 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.057.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.018		1063	980
2.046		7718	10051
2.089		10777	15576
2.145		22251	17778
2.212		26497	18522
2.24		1770	2007
2.29		2677	2953
2.339		31016	22619
2.375		1960	1569
2.405		5097	4157
2.453		629	303
2.504		4263	5910
2.545		2021	1604
2.578		1911	1214
2.6		3491	2326
2.648		1706	914
2.664		12675	7753
2.699		657	409
2.718		612	381
2.758		2880	3899
2.791		32200	33645
2.857		707	549
2.884		1270	1088
2.913		2362	1628
2.944	TCX	555676	391862
3.032		436	217
3.052		5451	3887
3.092		29404	26322
3.149		35596	26665
3.196		162990	120110
3.248		30180	17449
3.266		62988	36735
3.29		17509	11369
3.33		1134	1144
3.386		367	394
3.413		156828	97523
3.43		71555	40024
3.467		18235	10877
3.483		2780	1140
3.495		9001	4585
3.529		195850	153629
3.565		1055	568
3.581		919	445
3.605		15034	10692
3.639		41825	24372
3.654		20240	9970
3.698		96153	51567
3.708		190464	97513
3.746		239769	194096
3.804		200513	161357
3.846		15529	11214
3.875		157503	123035
3.902		99429	87024
3.923		27083	12982

RT A	Compound A	Height A	Area A
3.999		162850	121046
4.023		56071	35935
4.055		67144	47393
4.088		178957	181967
4.128		51459	42509
4.176		4848	2869
4.191		6397	3549
4.215		14763	10058
4.25		248559	183573
4.267		79695	43343
4.292		135125	111822
4.363		86233	73585
4.405		485730	515474
4.439		189599	158782
4.48		11214	8345
4.502		19079	13962
4.542		162945	160648
4.594		137053	102334
4.61		38982	17009
4.624		43861	29468
4.655		695973	634583
4.705		369120	401043
4.739		110617	83555
4.781		1029320	994406
4.827		74392	64028
4.867		641362	623936
4.9		13319	8024
4.928		225160	232104
4.98		1405657	1829162
5.031		208407	184312
5.068		851348	976116
5.112		45270	29970
5.149		138514	171430
5.182		2034403	2095741
5.222		20156	10148
5.25		671141	643285
5.292		489149	485131
5.331		2165	1363
5.386		334038	261136
5.411		739900	646975
5.467		428977	402371
5.505		258163	253099
5.547		37447	40443
5.587		329748	402961
5.645		2306129	2379789
5.731		3285	3422
5.764		1233	640
5.791		1186	975
5.848		1425231	1322136
5.879		85853	54981
5.904		258275	296598
6.015		6404	5076
6.04		23199	21381
6.09		37592	30647
6.119		243126	225476
6.185		1535	1290
6.23		506	563
6.275		558650	582372
6.321		40794	38313
6.369		884	897
6.401		1495	1425
6.479		137460	144686
6.559		658	907
6.629	DCB	446343	487705
6.687		4070	3600
6.732		970	526

RT A	Compound A	Height A	Area A
6.756		498	116
6.779		1720	2086
6.832		1161	1668
6.878		846	560
6.908		3776	5739
6.956		633	602

LANCASTER LABORATORIES

Sample Number: 8998315MSACF DF5 ACA4601 MS 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:57:59 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.057.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.072		1627	1343
2.117		7221	6854
2.161		5734	5337
2.24		3075	3034
2.282		1165	813
2.324		2597	3776
2.368		19696	17578
2.438		1266	826
2.465		2353	2755
2.536		3508	1716
2.554		76240	66436
2.621	TCX	740297	462354
2.665		20535	16855
2.71		2459	3248
2.767		1897	2309
2.793		57984	43543
2.854		55954	35903
2.906		239314	268268
3.018		32913	20281
3.114		320743	323109
3.166		41426	24405
3.187		21002	12450
3.213		30117	16610
3.237		308186	217997
3.274		29311	19933
3.321		85244	46477
3.336		53581	26905
3.364		2275	1485
3.387		166543	80057
3.396		316532	144272
3.43		367449	291165
3.505		361776	233205
3.541		297466	188210
3.564		314993	177819
3.582		103026	53731
3.668		335346	224356
3.691		132739	72789
3.712		129791	80145
3.741		100394	53393
3.758		291130	178969
3.799		110551	84328
3.847		33995	34170
3.87		129973	77669
3.892		868156	563154
3.917		227008	133776
3.937		66423	34742
3.957		177491	114929
3.992		993656	685011
4.024		397884	262518
4.041		63747	28019
4.103		40640	33224
4.137		276767	230157
4.164		13149	10392
4.194		488759	370517

RT B	Compound B	Height B	Area B
4.235		221638	256402
4.254		1346445	1456002
4.295		376976	382282
4.346		2478719	1932778
4.384		148822	124195
4.416		1160413	819257
4.44		549284	379415
4.483		3224894	2496509
4.585		2357055	2259556
4.635		1117594	929141
4.677		721837	621794
4.713		4108245	3413844
4.746		1290635	893916
4.784		1034257	806929
4.86		39602	32452
4.884		240072	163165
4.901		84422	48778
4.934		1812648	1395015
4.959		557847	397994
5.009		1045671	921987
5.044		570657	450732
5.074		374999	298909
5.106		289227	171174
5.128		5124893	4189476
5.169		100928	72369
5.201		144530	124975
5.244		3489	2151
5.266		7758	5318
5.319		41660	26686
5.343		839913	700709
5.386		3515555	3695244
5.484		2653	3141
5.542		61618	56090
5.587		114565	88361
5.61		34034	21818
5.631		5302	2907
5.659		561963	470196
5.702		3053	2731
5.741		2383	1126
5.766		1291024	1083570
5.798		81081	60722
5.966		298668	255296
6.125	DCB	1030269	939070
6.302		10443	8117
6.33		3607	3947
6.508		1027	2987
6.606		3178	4026
6.654		2449	5060
6.807		1179	962
6.906		4798	5366
6.979		1454	1187

8998315MSACF DF5 ACA4601 MS 171390002A 10225 SW-846 8082

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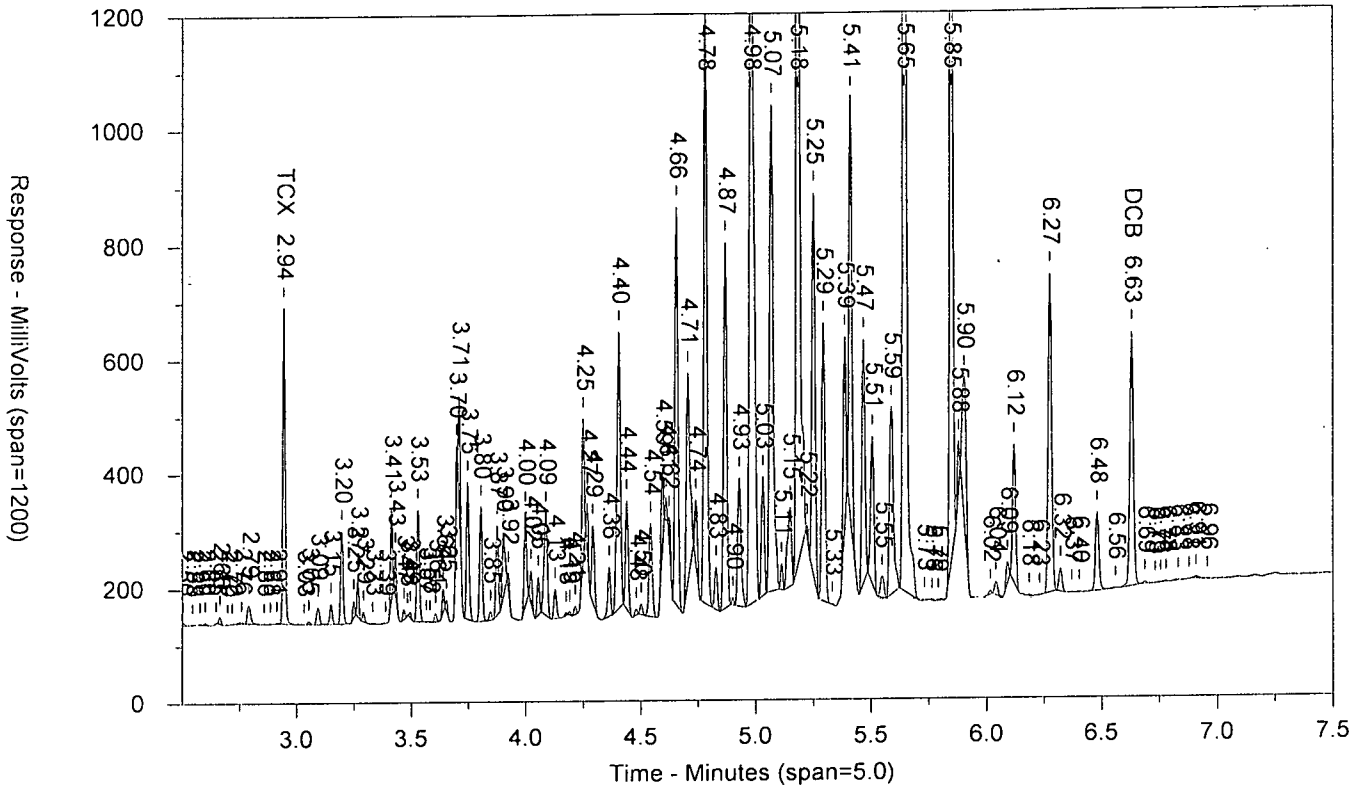

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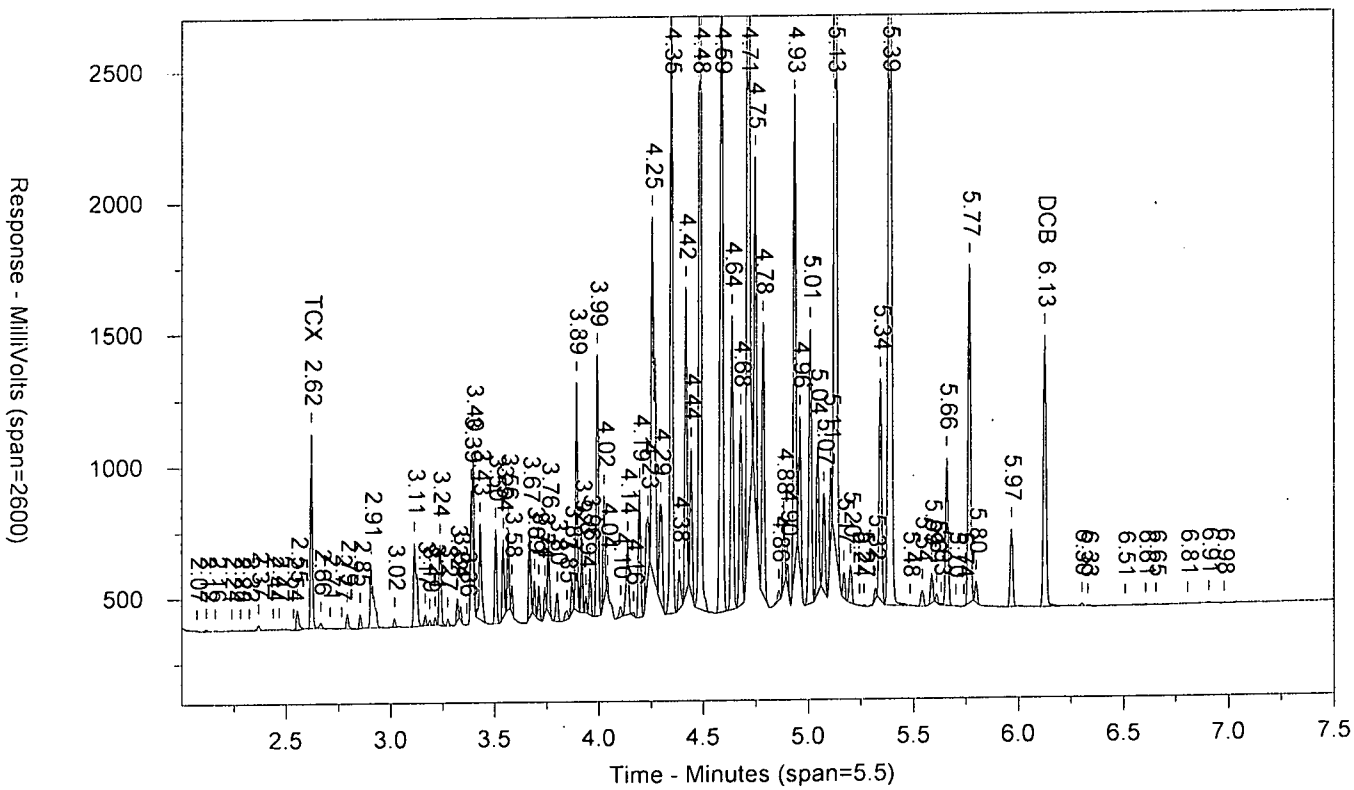

LANCASTER LABORATORIES

Sample Number: 8998315MSACF DF5 ACA4601 MS 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 3:57:59 AM
Sample Weight: 10.49
Instrument ID: CP25-18274
Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	555676	18.949	TCX	2.621	740297	18.53	TCX
6.629	446343	21.342	DCB	6.125	1030269	20.832	DCB

Files:
Area File: 25pcbs17116016.057.RAW
Area File: 25pcbs17116016B.057.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:06:31 AM
File Reported On: 5/22/2017 at 4:06:41 AM

8998315MSACF DF5 ACA4601 MS 171390002A 10225 SW-846 8082

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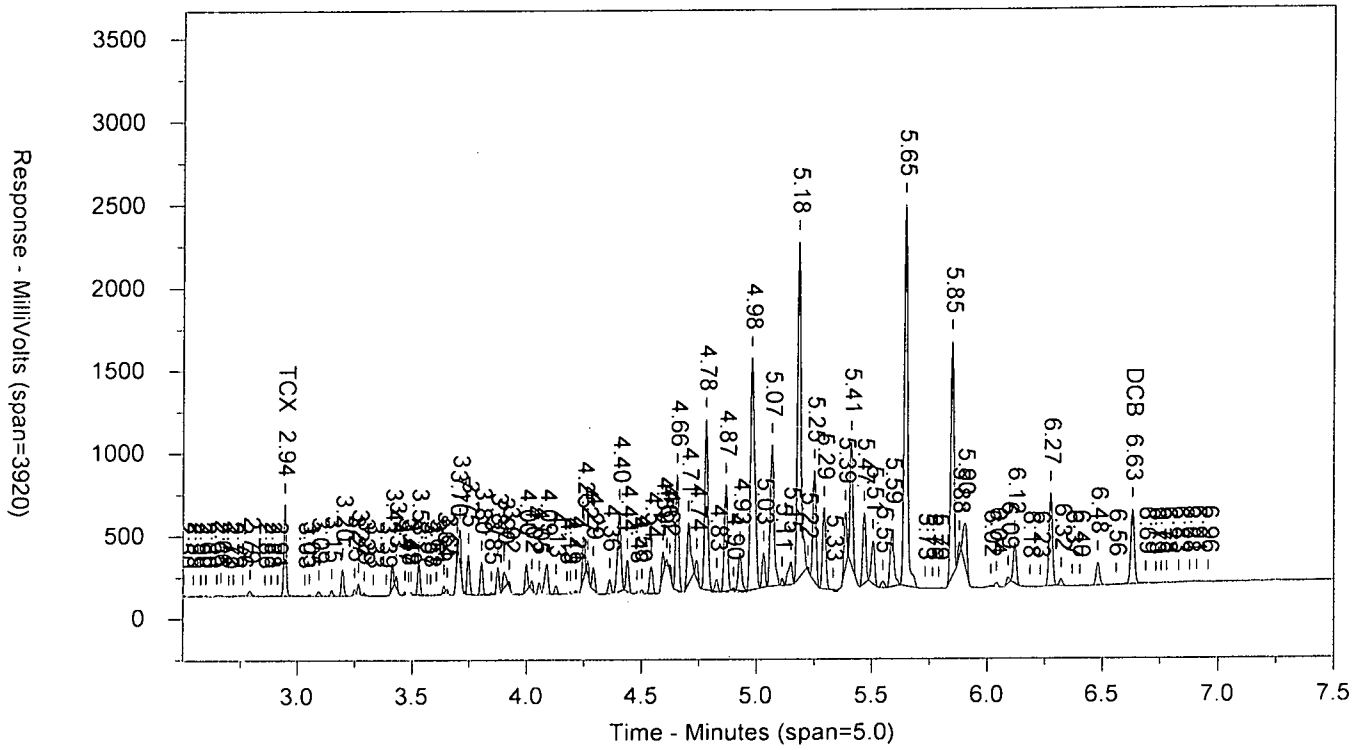

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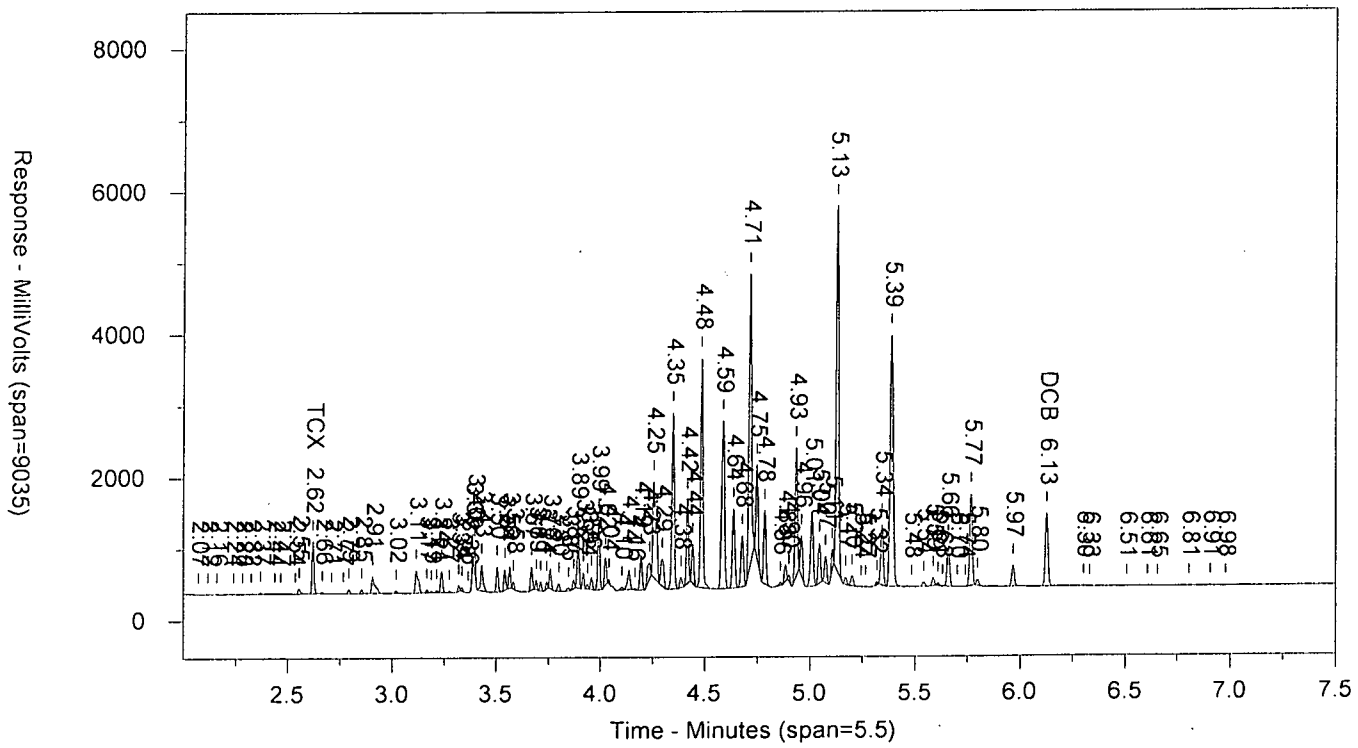

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Data Summary

Sample Name: 8998316 MSDACF DF5 A4601 MSD Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 04:09:15
Instrument	18274A
Result file	25PCBS17116016.058.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 102% (61 - 152) Conc: 29.50633
%SSR(DCB) 107% (48 - 164) Conc: 30.73059

Analysis Report (B)

Injected on	May 22, 2017 04:09:15
Instrument	18274B
Result file	25PCBS17116016B.058.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 30.10696
%SSR(DCB) 108% (48 - 164) Conc: 31.14002

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	838041	29.50633
Decachlorobiphenyl	6.61	6.63	6.67	622469	30.73059

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1164986	30.10696
Decachlorobiphenyl	6.10	6.13	6.16	1491622	31.14002

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	29.50633				2.02	
☐ Decachlorobiphenyl	B	31.14002				1.32	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.14**	
3.18	3.20	3.22	233778.7	494.004127			1
3.40	3.41	3.44	228718.3	509.210371			2
3.51	3.53	3.55	282561.9	496.576347			3
3.73	3.74	3.77	343433.2	496.750564			4
3.79	3.80	3.83	296724.7	480.493475			5
3.98	4.00	4.02	221747.3	508.821959			6
Height summation:			**1606964.1**				
Concentration		CF:	**497.642807**	L:			
Aroclor-1260						**2.32**	
4.76	4.78	4.80	602619.6	613.112385			1
5.05	5.07	5.09	371770.8	652.821174			2
5.23	5.25	5.27	425841.6	637.003593			3
5.40	5.41	5.44	460588.6	632.275738			4
5.63	5.64	5.67	1218987	617.188554			5
5.83	5.85	5.87	769824.2	638.160353			6
Height summation:			**3849631.8**				
Concentration		CF:	**631.7603**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.81**	
2.89	2.91	2.93	346171.2	520.22532			1
3.22	3.24	3.26	465235.4	525.053464			2
3.41	3.43	3.45	514335.9	513.505349			3
3.49	3.50	3.53	526116.5	504.892446			4
3.65	3.67	3.69	462997.7	548.243973			5
3.74	3.76	3.78	400882.8	519.532051			6
Height summation:			**2715739.5**				
Concentration		CF:	**521.908767**	L:			
Aroclor-1260						**6.27**	
4.33	4.35	4.37	1389458	651.168054			1
4.47	4.48	4.51	1689304	691.13944			2
4.57	4.59	4.61	1295258	617.316575			3
4.92	4.93	4.96	1107298	658.661749			4
5.11	5.13	5.15	2770984	668.382561			5
5.37	5.39	5.41	1844818	741.861987			6
Height summation:			**10097120**				
Concentration		CF:	**671.421728**	L:			

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Data Summary

Sample Name: 8998316 MSDACF DF5 A4601 MSD Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 04:09:15
Instrument	18274A
Result file	25PCBS17116016.058.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 22, 2017 04:09:15
Instrument	18274B
Result file	25PCBS17116016B.058.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	521.908767	250.9843	48.7205		4.76	4	
PCB-1221			<250.9843	<75.2953			3	
PCB-1232			<250.9843	<60.5315			4	
PCB-1242			<250.9843	<60.5315			4	
PCB-1248			<250.9843	<48.7205			4	
PCB-1254			<250.9843	<64.9606			4	
PCB-1260	B	671.421728	250.9843	57.5787		6.09	4	
PCB-1262			<250.9843	<48.7205			4	
PCB-1268			<250.9843	<48.7205			4	
Total PCBs	A	1193.330495	250.9843	48.7205				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998316** MSDACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:09:15
Instrument : CP25--18274A
Result file : 25PCBS17116016.058.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 102% (61-152) Conc.: 29.50633
%SSR(DCB) : 107% (48-164) Conc.: 30.73059

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.14**	
3.18	3.20	3.22	233778.7	494.004127			1
3.40	3.41	3.44	228718.3	509.210371			2
+ 3.40	3.43	3.44	106556	237.232527			2
3.51	3.53	3.55	282561.9	496.576347			3
3.73	3.74	3.77	343433.2	496.750564			4
3.79	3.80	3.83	296724.7	480.493475			5
3.98	4.00	4.02	221747.3	508.821959			6
Height Summation:			**1606964.1**				
Amount Avg CF:			**497.642807**	Linear:			
Aroclor-1221					**3**	**35.12**	
3.07	3.09	3.11	41481.27	179.950498			1
3.13	3.15	3.17	51539.92	243.566137			2
3.18	3.20	3.22	233778.7	360.975157			3
Height Summation:			**326799.89**				
Amount Avg CF:			**261.497264**	Linear:			
Aroclor-1232					**6**	**28.93**	
3.18	3.20	3.22	233778.7	403.978101			1
E 3.40	3.41	3.44	228718.3	1065.64874			2
+ 3.40	3.43	3.44	106556	496.467782			2
E 3.52	3.53	3.56	282561.9	1000.643701			3
E 3.74	3.74	3.78	343433.2	991.727419			4
E 3.79	3.80	3.83	296724.7	1029.848423			5
E 3.99	4.00	4.03	221747.3	1177.182217			6
+ 3.99	4.02	4.03	83599.12	443.799755			6
Height Summation:			**1606964.1**				
Amount Avg CF:			**944.8381**	Linear:			
Aroclor-1242					**6**	**1.96**	
3.18	3.20	3.22	233778.7	582.119874			1
3.40	3.41	3.44	228718.3	613.941662			2
+ 3.40	3.43	3.44	106556	286.02507			2
3.51	3.53	3.55	282561.9	594.749342			3
3.73	3.74	3.77	343433.2	596.483537			4
3.79	3.80	3.83	296724.7	601.019641			5
3.98	4.00	4.02	221747.3	611.681715			6
Height Summation:			**1606964.1**				
Amount Avg CF:			**599.999295**	Linear:			
Aroclor-1248					**6**	**52.47**	
3.79	3.80	3.83	296724.7	837.920956			1
3.86	3.87	3.90	208989.1	375.8346			2
3.98	4.00	4.02	221747.3	344.835589			3
+ 3.98	4.02	4.02	83599.12	130.00362			3
4.07	4.09	4.11	241800.2	436.968163			4
+ 4.25	4.27	4.29	39361.15	71.477431			5
4.25	4.29	4.29	75453.98	137.019794			5
4.64	4.65	4.68	245945.5	546.725531			6
Height Summation:			**1290660.78**				
Amount Avg CF:			**446.550772**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:09:15
Instrument : CP25--18274B
Result file : 25PCBS17116016B.058.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 105% (61-152) Conc.: 30.10696
%SSR(DCB) : 108% (48-164) Conc.: 31.14002

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.81**	
2.89	2.91	2.93	346171.2	520.22532			1
3.22	3.24	3.26	465235.4	525.053464			2
3.41	3.43	3.45	514335.9	513.505349			3
3.49	3.50	3.53	526116.5	504.892446			4
3.65	3.67	3.69	462997.7	548.243973			5
+ 3.65	3.69	3.69	184640.4	218.636046			5
3.74	3.76	3.78	400882.8	519.532051			6
Height Summation:			**2715739.5**				
Amount Avg CF:			**521.908767**	Linear:			
Aroclor-1221					**3**	**30.41**	
2.77	2.79	2.81	72710.86	210.589743			1
2.84	2.85	2.88	80653.45	378.271272			2
2.89	2.91	2.93	346171.2	384.488033			3
Height Summation:			**499535.51**				
Amount Avg CF:			**324.449683**	Linear:			
Aroclor-1232					**6**	**30.06**	
2.89	2.91	2.93	346171.2	415.986235			1
E 3.22	3.24	3.26	465235.4	1112.66246			2
E 3.41	3.43	3.45	514335.9	1144.357443			3
E 3.49	3.50	3.53	526116.5	1133.470881			4
E 3.65	3.67	3.69	462997.7	1295.23311			5
+ 3.65	3.69	3.69	184640.4	516.53034			5
E 3.75	3.76	3.79	400882.8	1123.562077			6
Height Summation:			**2715739.5**				
Amount Avg CF:			**1037.545368**	Linear:			
Aroclor-1242					**6**	**3.63**	
2.89	2.91	2.93	346171.2	621.157685			1
3.22	3.24	3.26	465235.4	657.476365			2
3.41	3.43	3.45	514335.9	639.348668			3
3.49	3.50	3.53	526116.5	640.990587			4
3.65	3.67	3.69	462997.7	674.688567			5
3.74	3.76	3.78	400882.8	610.906794			6
Height Summation:			**2715739.5**				
Amount Avg CF:			**640.761444**	Linear:			
Aroclor-1248					**6**	**68.82**	
3.41	3.43	3.45	514335.9	1283.932546			1
+ 3.52	3.54	3.56	395232	386.194139			2
3.52	3.56	3.56	411217.9	401.814485			2
3.65	3.67	3.69	462997.7	378.276539			3
+ 3.65	3.69	3.69	184640.4	150.854165			3
3.74	3.76	3.78	400882.8	428.838925			4
3.88	3.89	3.92	606551.7	322.653274			5
+ 4.24	4.25	4.28	233687.8	262.432619			6
4.24	4.27	4.28	353141.7	396.579972			6
Height Summation:			**2749127.7**				
Amount Avg CF:			**535.34929**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998316** MSDACF DF5 A4601 Sample ID: AC **Batchnumber: 171390002A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE46 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 04:09:15
Instrument : CP25--18274A
Result file : 25PCBS17116016.058.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	107.36	
4.24	4.25	4.28	224293.2	378.714215			1
+ 4.24	4.27	4.28	39361.15	66.46045			1
+ 4.58	4.59	4.62	46606.65	66.300102			2
4.58	4.61	4.62	58405.38	83.084337			2
4.64	4.65	4.68	245945.5	180.943402			3
4.77	4.78	4.81	602619.6	1371.975558			4
4.86	4.87	4.89	162285.3	162.327131			5
5.05	5.07	5.09	371770.8	499.979815			6
Height Summation:			**1665319.78**				
Amount Avg CF:			**446.170743**	Linear:			
Aroclor-1260					6	2.32	
4.76	4.78	4.80	602619.6	613.112385			1
5.05	5.07	5.09	371770.8	652.821174			2
5.23	5.25	5.27	425841.6	637.003593			3
5.40	5.41	5.44	460588.6	632.275738			4
5.63	5.64	5.67	1218987	617.188554			5
5.83	5.85	5.87	769824.2	638.160353			6
Height Summation:			**3849631.8**				
Amount Avg CF:			**631.7603**	Linear:			
Aroclor-1262					6	25.52	
5.23	5.25	5.27	425841.6	356.95307			1
5.40	5.41	5.44	460588.6	448.378068			2
5.63	5.64	5.67	1218987	460.299849			3
5.83	5.85	5.87	769824.2	473.867247			4
5.89	5.90	5.93	162014.1	217.564573			5
6.26	6.28	6.30	332259.6	345.629175			6
Height Summation:			**3369515.1**				
Amount Avg CF:			**383.781997**	Linear:			
Aroclor-1268					6	93.48	
5.83	5.85	5.87	769824.2	268.363313			1
5.89	5.90	5.93	162014.1	62.069226			2
6.03	6.04	6.07	19289.84	7.957191			3
+ 6.09	6.09	6.13	14349.49	22.754554			4
6.09	6.12	6.13	134682.7	213.571683			4
6.26	6.28	6.30	332259.6	323.360483			5
6.47	6.48	6.51	92052.27	10.909874			6
Height Summation:			**1510122.71**				
Amount Avg CF:			**147.705295**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 04:09:15
Instrument : CP25--18274B
Result file : 25PCBS17116016B.058.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	117.16	
4.18	4.19	4.22	185309.1	118.739366			1
+ 4.24	4.25	4.28	233687.8	81.559943			2
4.24	4.27	4.28	353141.7	123.250836			2
4.33	4.35	4.37	1389458	1056.21549			3
+ 4.40	4.42	4.44	234420.6	122.362646			4
4.40	4.44	4.44	311283.6	162.483523			4
4.47	4.48	4.51	1689304	1590.263132			5
4.62	4.64	4.66	253420.5	181.339735			6
Height Summation:			**4181916.9**				
Amount Avg CF:			**538.715347**	Linear:			
Aroclor-1260					6	6.27	
4.33	4.35	4.37	1389458	651.168054			1
4.47	4.48	4.51	1689304	691.13944			2
4.57	4.59	4.61	1295258	617.316575			3
4.92	4.93	4.96	1107298	658.661749			4
5.11	5.13	5.15	2770984	668.382561			5
5.37	5.39	5.41	1844818	741.861987			6
Height Summation:			**10097120**				
Amount Avg CF:			**671.421728**	Linear:			
Aroclor-1262					6	27.12	
4.73	4.75	4.77	824113.8	306.707496			1
4.92	4.93	4.96	1107298	416.693677			2
5.11	5.13	5.15	2770984	498.304656			3
5.33	5.34	5.36	525220.9	251.192278			4
5.37	5.39	5.41	1844818	508.264198			5
5.75	5.77	5.79	709434.5	340.325071			6
Height Summation:			**7781869.2**				
Amount Avg CF:			**386.914563**	Linear:			
Aroclor-1268					6	117.27	
5.33	5.34	5.37	525220.9	79.512563			1
5.37	5.39	5.41	1844818	287.174494			2
5.53	5.54	5.57	46050.43	8.239513			3
5.59	5.61	5.63	34197.18	24.848245			4
5.75	5.77	5.79	709434.5	304.754632			5
5.95	5.96	5.99	192307.3	9.689579			6
Height Summation:			**3352028.31**				
Amount Avg CF:			**119.036504**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			250.9843	48.7205		4.76	4	40	
Aroclor-1221			250.9843	75.2953		21.49	3	5	
Aroclor-1232			250.9843	60.5315	E	9.35	4	10	
Aroclor-1242			250.9843	60.5315		6.57	4	30	
Aroclor-1248			250.9843	48.7205		18.09	4	40	
Aroclor-1254			250.9843	64.9606		18.79	4	40	
Aroclor-1260			250.9843	57.5787		6.09	4	40	
Aroclor-1262			250.9843	48.7205		0.81	4	40	
Aroclor-1268			250.9843	48.7205		21.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998316MSDACF DF5 ACA4601 MSD 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:09:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.058.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.019		1334	1398
2.043		6137	6897
2.09		8972	12724
2.144		33356	23644
2.177		1173	483
2.212		7365	4937
2.238		3432	3750
2.299		1174	1631
2.338		32866	24456
2.374		2353	2088
2.405		10077	6633
2.453		405	331
2.502		3615	4810
2.544		1861	1574
2.578		2780	2033
2.6		1692	1098
2.663		4678	4416
2.7		502	345
2.717		953	553
2.751		2964	3881
2.79		26050	26171
2.854		877	647
2.885		1320	889
2.913		2007	1497
2.944	TCX	838041	593546
3.031		668	311
3.052		760	670
3.092		41481	36859
3.149		51540	37833
3.196		233779	174716
3.248		8728	5078
3.266		18856	10633
3.29		28499	20148
3.331		904	1024
3.413		228718	141660
3.43		106556	58428
3.468		27550	16001
3.484		2447	952
3.494		14124	7091
3.528		282562	226595
3.564		1364	684
3.579		1067	402
3.605		12895	9174
3.639		63204	37332
3.654		30503	15328
3.698		106320	68694
3.708		275668	150093
3.745		343433	271780
3.804		296725	234459
3.846		22427	16329
3.875		208989	155673
3.902		136163	117079
3.923		39825	19141
3.998		221747	166748

RT A	Compound A	Height A	Area A
4.022		83599	52800
4.054		87206	63392
4.087		241800	236063
4.127		71816	61227
4.175		6334	3879
4.19		6480	3551
4.214		13818	9293
4.249		224293	170016
4.266		39361	19792
4.291		75454	61836
4.361		45865	40332
4.404		287232	287271
4.439		34561	27934
4.479		2110	1413
4.501		5312	3820
4.541		53492	50729
4.593		46607	31887
4.609		58405	45841
4.654		245946	225447
4.704		249452	288606
4.739		59962	42423
4.78		602620	590233
4.825		13639	12070
4.866		162285	165391
4.899		7932	5047
4.926		124386	121282
4.978		754450	995649
5.029		144344	131220
5.068		371771	426757
5.111		8468	4513
5.148		79715	92678
5.181		993650	1034961
5.223		13539	6079
5.249		425842	402063
5.291		285147	280553
5.385		137156	112149
5.409		460589	410356
5.466		260274	246462
5.504		152320	152154
5.546		24578	25656
5.586		165910	202118
5.645		1218987	1327450
5.733		1257	1686
5.797		680	727
5.847		769824	733669
5.878		51048	31061
5.903		162014	188506
6.015		1715	2382
6.041		19290	17911
6.091		14349	10722
6.119		134683	133038
6.275		332260	338716
6.32		22382	21935
6.368		904	1035
6.413		626	1008
6.434		424	147
6.478		92052	95235
6.561		1320	1609
6.629	DCB	622469	704507
6.726		511	613
6.746		658	412
6.783		1956	3561
6.818		2564	3814
6.873		772	773
6.906		4134	7399
6.949		1083	1639

LANCASTER LABORATORIES

Sample Number: 8998316MSDACF DF5 ACA4601 MSD 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:09:15 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.058.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		1799	3028
2.118		11383	7990
2.16		3673	3966
2.211		2195	2579
2.238		3327	3687
2.277		1041	1053
2.304		3475	2072
2.368		5980	6034
2.417		1423	756
2.437		1772	1151
2.47		1441	1702
2.536		3035	1636
2.553		58208	48943
2.596		1859	904
2.62	TCX	1164986	713383
2.665		30052	23451
2.793		72711	52649
2.854		80653	52125
2.906		346171	265766
3.018		48970	33561
3.114		476538	473822
3.166		59432	37554
3.187		28599	17324
3.213		43820	24604
3.237		465235	316962
3.274		23017	14618
3.321		125306	66961
3.336		75378	37147
3.387		277161	134122
3.396		482242	203898
3.43		514336	406924
3.505		526117	340051
3.54		395232	245853
3.564		411218	232584
3.581		136951	68780
3.668		462998	310615
3.69		184640	101847
3.712		170215	103559
3.741		117709	61488
3.758		400883	245830
3.799		145422	111272
3.847		26085	24980
3.87		114814	69885
3.891		606552	409480
3.917		134928	79384
3.937		32319	16421
3.956		111641	73078
3.991		552690	397464
4.024		81080	51046
4.041		43097	21605
4.102		12394	13332
4.136		86029	86699
4.194		185309	134125
4.236		147324	97722

RT B	Compound B	Height B	Area B
4.254		233688	114943
4.268		353142	189462
4.293		240935	246031
4.346		1389458	1065504
4.385		29831	30716
4.415		234421	159489
4.44		311284	228986
4.483		1689304	1308168
4.585		1295258	1279866
4.637		253421	225255
4.676		392187	338404
4.713		1953753	1591163
4.746		824114	574623
4.784		611651	472782
4.86		34068	24851
4.883		161378	111900
4.9		26737	16109
4.934		1107298	847794
4.958		187962	126149
5.008		610723	539476
5.044		307209	251896
5.074		221319	180238
5.105		106409	62883
5.127		2770984	2249586
5.169		58328	44383
5.2		100130	86431
5.319		26817	18067
5.342		525221	437816
5.386		1844818	1996451
5.541		46050	42086
5.587		55233	41899
5.61		34197	23603
5.659		313379	279769
5.766		709435	615678
5.798		45802	34030
5.929		1334	1512
5.965		192307	168404
6.049		1114	1851
6.125	DCB	1491622	1383397
6.298		2536	2187
6.331		2003	1850
6.441		1351	1364
6.611		1473	1120
6.787		1553	1470
6.902		5202	8492

8998316MSDACF DF5 ACA4601 MSD 171390002A 10225 SW-846 80.

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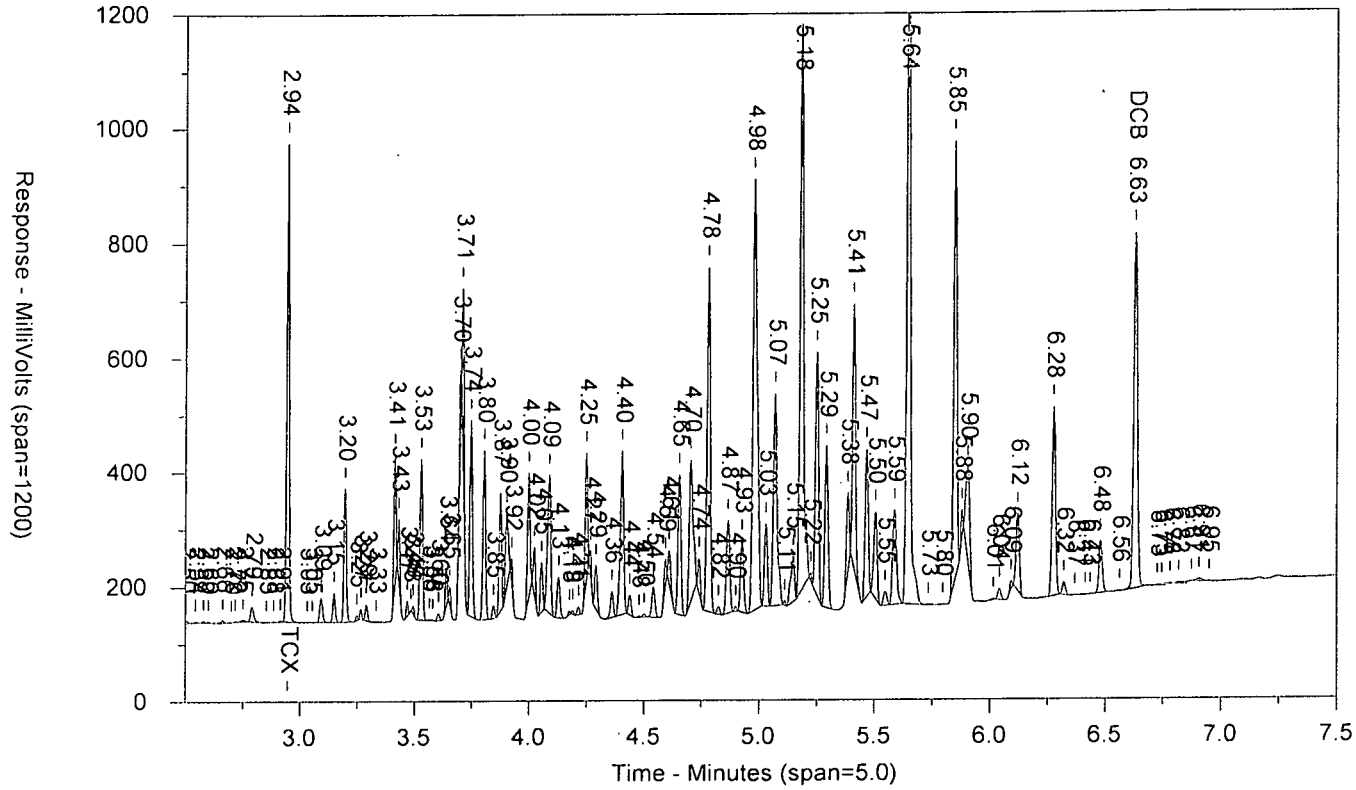

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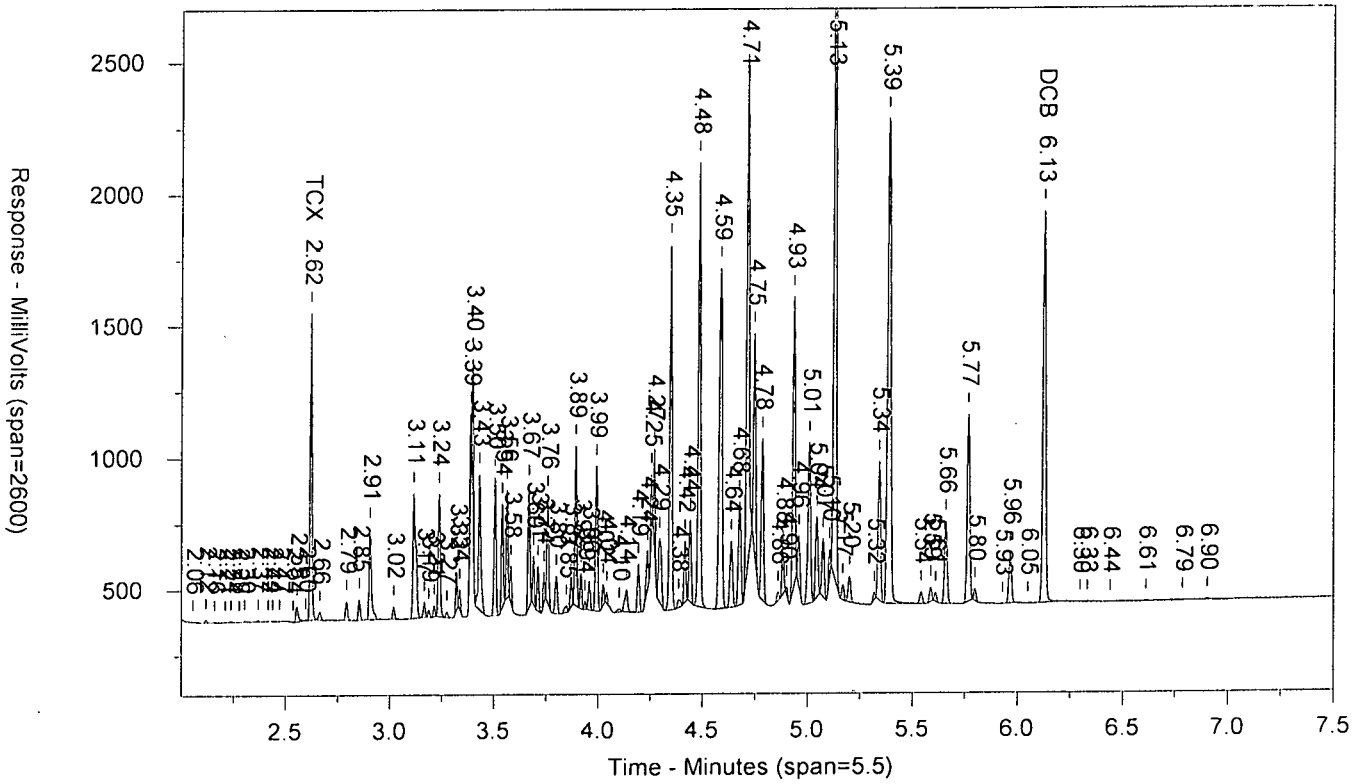

LANCASTER LABORATORIES

Sample Number: 8998316MSDACF DF5 ACA4601 MSD 171390002A 10225 SW-846 8082
Injected On: 5/22/2017 4:09:15 AM Sample Weight: 10.16
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	838041	29.506	TCX	2.62	1164986	30.107	TCX
6.629	622469	30.731	DCB	6.125	1491622	31.14	DCB

Files:
Area File: 25pcbs17116016.058.RAW
Area File: 25pcbs17116016B.058.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 4:17:47 AM
File Reported On: 5/22/2017 at 4:17:59 AM

8998316MSDACF DF5 ACA4601 MSD 171390002A 10225 SW-846 80

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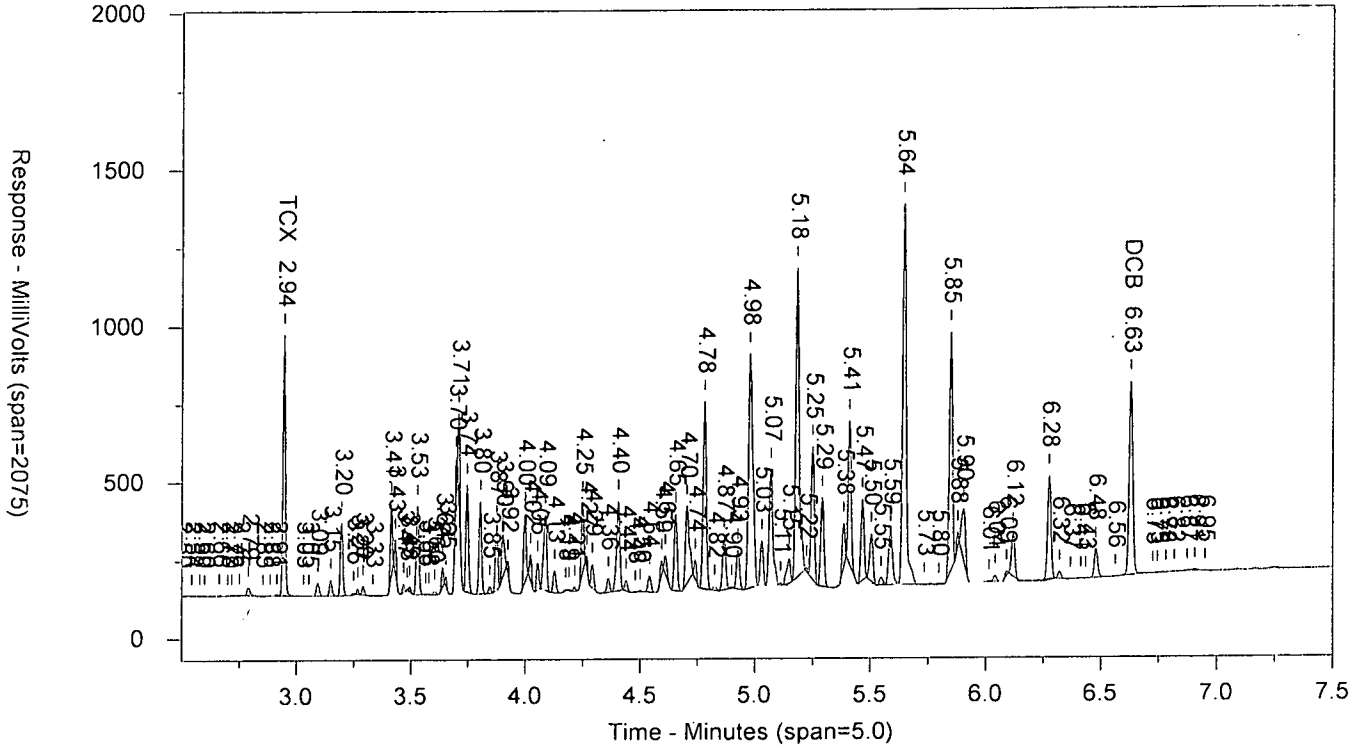

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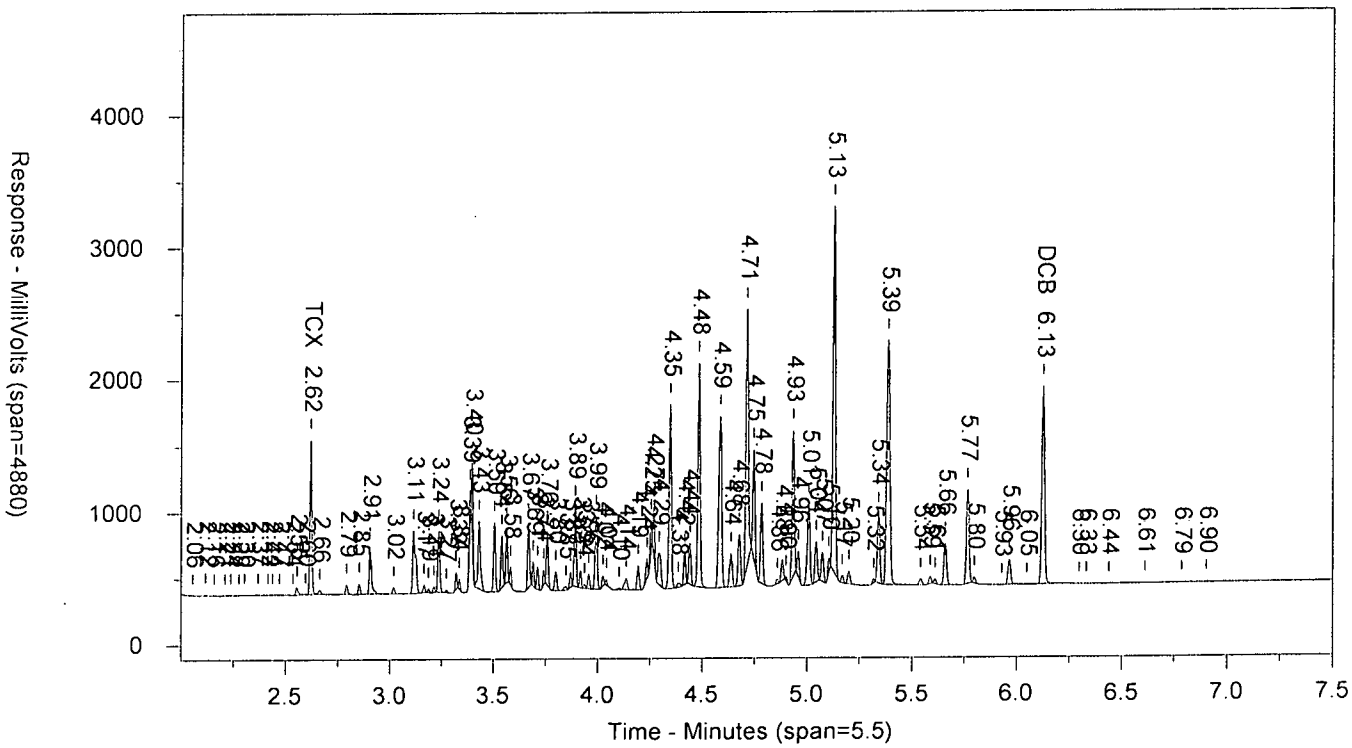

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Data Summary

Sample Name: LCSA 5/19/17 ACF LCS02139 LCS Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 21, 2017 23:14:40
Instrument	18274A
Result file	25PCBS17116016.032.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 103% (61 - 152) Conc: 30.23292
%SSR(DCB) 101% (48 - 164) Conc: 29.48587

Analysis Report (B)

Injected on	May 21, 2017 23:14:40
Instrument	18274B
Result file	25PCBS17116016B.032.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 33.54728
%SSR(DCB) 103% (48 - 164) Conc: 30.14054

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4225775	30.23292
Decachlorobiphenyl	6.61	6.63	6.67	2939251	29.48587

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6388332	33.54728
Decachlorobiphenyl	6.10	6.13	6.16	7105052	30.14054

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	30.23292				10.39	
☐ Decachlorobiphenyl	B	30.14054				2.20	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.58**	
3.18	3.20	3.22	1023205	439.351381			1
3.40	3.41	3.44	1004641	454.496902			2
3.51	3.53	3.55	1251029	446.748917			3
3.73	3.75	3.77	1650755	485.179472			4
3.79	3.81	3.83	1352679	445.094519			5
3.98	4.00	4.02	977282.8	455.671078			6
Height summation:			**7259591.8**				
Concentration		CF:	**454.423712**	L:			
Aroclor-1260						**1.65**	
4.76	4.78	4.80	2278666	471.0871			1
5.05	5.07	5.09	1302806	464.860248			2
5.23	5.25	5.27	1549089	470.862247			3
5.40	5.41	5.44	1677802	468.012814			4
5.63	5.65	5.67	4716769	485.274086			5
5.83	5.85	5.87	2852290	480.458237			6
Height summation:			**14377422**				
Concentration		CF:	**473.425789**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.72**	
2.89	2.91	2.93	1634451	499.109873			1
3.22	3.24	3.26	2203898	505.412489			2
3.41	3.43	3.45	2510392	509.287925			3
3.49	3.51	3.53	2690013	524.559834			4
3.65	3.67	3.69	2233056	537.301868			5
3.74	3.76	3.78	1972391	519.411592			6
Height summation:			**13244201**				
Concentration		CF:	**515.847264**	L:			
Aroclor-1260						**5.20**	
4.33	4.35	4.37	5434764	517.549694			1
4.47	4.48	4.51	6581862	547.18016			2
4.57	4.59	4.61	5199234	503.517677			3
4.92	4.94	4.96	4427475	535.152734			4
5.11	5.13	5.15	10986640	538.492538			5
5.37	5.39	5.41	7158859	584.974727			6
Height summation:			**39788834**				
Concentration		CF:	**537.811255**	L:			

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Data Summary

Sample Name: LCSA 5/19/17 ACF LCS02139 LCS Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 21, 2017 23:14:40
Instrument	18274A
Result file	25PCBS17116016.032.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 21, 2017 23:14:40
Instrument	18274B
Result file	25PCBS17116016B.032.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	515.847264	51	9.9		12.66	4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260	B	537.811255	51	11.7		12.73	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1053.658519	51	9.9				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 23 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/19/17 ACF LCS02139 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 21, 2017 23:14:40
Instrument : CP25--18274A
Result file : 25PCBS17116016.032.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 103% (61-152) Conc.: 30.23292 ppb
%SSR(DCB) : 101% (48-164) Conc.: 29.48587

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**3.58**	
3.18	3.20	3.22	1023205	439.351381			1
3.40	3.41	3.44	1004641	454.496902			2
+ 3.40	3.43	3.44	469111.2	212.224652			2
3.51	3.53	3.55	1251029	446.748917			3
3.73	3.75	3.77	1650755	485.179472			4
3.79	3.81	3.83	1352679	445.094519			5
3.98	4.00	4.02	977282.8	455.671078			6
Height Summation:			**7259591.8**				
Amount Avg CF:			**454.423711**	Linear:			
Aroclor-1221					**3**	**35.22**	
3.07	3.09	3.11	183642.3	161.88158			1
E 3.13	3.15	3.17	219903.4	211.168345			2
E 3.18	3.20	3.22	1023205	321.039693			3
Height Summation:			**1426750.7**				
Amount Avg CF:			**231.363206**	Linear:			
Aroclor-1232					**6**	**29.21**	
E 3.18	3.20	3.22	1023205	359.285128			1
E 3.40	3.41	3.44	1004641	951.147264			2
E+ 3.40	3.43	3.44	469111.2	444.132615			2
E 3.52	3.53	3.56	1251029	900.237178			3
E 3.74	3.75	3.78	1650755	968.626551			4
E 3.79	3.81	3.83	1352679	953.977343			5
E 3.99	4.00	4.03	977282.8	1054.215291			6
E+ 3.99	4.02	4.03	328643	354.514042			6
Height Summation:			**7259591.8**				
Amount Avg CF:			**864.581459**	Linear:			
Aroclor-1242					**6**	**3.96**	
E 3.18	3.20	3.22	1023205	517.718692			1
E 3.40	3.41	3.44	1004641	547.97506			2
E+ 3.40	3.43	3.44	469111.2	255.873728			2
E 3.51	3.53	3.55	1251029	535.071043			3
E 3.73	3.75	3.77	1650755	582.589308			4
E 3.79	3.81	3.83	1352679	556.741271			5
E 3.98	4.00	4.02	977282.8	547.786238			6
Height Summation:			**7259591.8**				
Amount Avg CF:			**547.980269**	Linear:			
Aroclor-1248					**6**	**61.01**	
3.79	3.81	3.83	1352679	776.189573			1
3.86	3.88	3.90	881446.1	322.101382			2
3.98	4.00	4.02	977282.8	308.814511			3
4.07	4.09	4.11	1084828	398.36184			4
+ 4.25	4.27	4.29	141641.2	52.265422			5
4.25	4.29	4.29	259122	95.615687			5
4.64	4.66	4.68	673606	304.270694			6
Height Summation:			**5228963.9**				
Amount Avg CF:			**367.558948**	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:14:40
Instrument : CP25--18274B
Result file : 25PCBS17116016B.032.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 115% (61-152) Conc.: 33.54728
%SSR(DCB) : 103% (48-164) Conc.: 30.14054

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.72**	
2.89	2.91	2.93	1634451	499.109873			1
3.22	3.24	3.26	2203898	505.412489			2
3.41	3.43	3.45	2510392	509.287925			3
3.49	3.51	3.53	2690013	524.559834			4
3.65	3.67	3.69	2233056	537.301868			5
+ 3.74	3.74	3.78	500666.4	131.846035			6
3.74	3.76	3.78	1972391	519.411592			6
Height Summation:			**13244201**				
Amount Avg CF:			**515.847263**	Linear:			
Aroclor-1221					**3**	**33.21**	
2.77	2.79	2.81	309922.1	182.395527			1
E 2.84	2.85	2.88	325529.3	310.237433			2
E 2.89	2.91	2.93	1634451	368.882033			3
Height Summation:			**2269902.4**				
Amount Avg CF:			**287.171664**	Linear:			
Aroclor-1232					**6**	**30.68**	
E 2.89	2.91	2.93	1634451	399.101753			1
E 3.22	3.24	3.26	2203898	1071.04046			2
E 3.41	3.43	3.45	2510392	1134.958824			3
E 3.49	3.51	3.53	2690013	1177.623674			4
E 3.65	3.67	3.69	2233056	1269.382252			5
E+ 3.65	3.69	3.69	817402.4	464.652969			5
E 3.75	3.76	3.79	1972391	1123.301568			6
Height Summation:			**13244201**				
Amount Avg CF:			**1029.234755**	Linear:			
Aroclor-1242					**6**	**4.32**	
E 2.89	2.91	2.93	1634451	595.94549			1
E 3.22	3.24	3.26	2203898	632.881771			2
E 3.41	3.43	3.45	2510392	634.097691			3
E 3.49	3.51	3.53	2690013	665.95949			4
E 3.65	3.67	3.69	2233056	661.222822			5
+ 3.74	3.74	3.78	500666.4	155.034975			6
E 3.74	3.76	3.78	1972391	610.765149			6
Height Summation:			**13244201**				
Amount Avg CF:			**633.478736**	Linear:			
Aroclor-1248					**6**	**72.92**	
E 3.41	3.43	3.45	2510392	1273.387596			1
3.52	3.54	3.56	1770229	351.484949			2
3.65	3.67	3.69	2233056	370.726722			3
3.74	3.76	3.78	1972391	428.739494			4
3.88	3.89	3.92	2724744	294.521945			5
+ 4.24	4.26	4.28	566624.1	129.300594			6
4.24	4.27	4.28	1593075	363.531209			6
Height Summation:			**12803887**				
Amount Avg CF:			**513.731986**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/19/17 ACF LCS02139 Sample ID: AB **Batchnumber: 171390002A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 21, 2017 23:14:40
Instrument : CP25--18274A
Result file : 25PCBS17116016.032.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.73	
4.24	4.25	4.28	912706	313.148336			1
+ 4.24	4.27	4.28	141641.2	48.596926			1
+ 4.58	4.59	4.62	138583.9	40.059248			2
4.58	4.61	4.62	225537.2	65.194085			2
4.64	4.66	4.68	673606	100.700939			3
E 4.77	4.78	4.81	2278666	1054.162341			4
4.86	4.87	4.89	400034.2	81.307902			5
5.05	5.07	5.09	1302806	356.025126			6
Height Summation:			5793355.4				
Amount Avg CF:			328.423122	Linear:			
Aroclor-1260					6	1.65	
4.76	4.78	4.80	2278666	471.0871			1
5.05	5.07	5.09	1302806	464.860248			2
5.23	5.25	5.27	1549089	470.862247			3
5.40	5.41	5.44	1677802	468.012814			4
5.63	5.65	5.67	4716769	485.274086			5
5.83	5.85	5.87	2852290	480.458237			6
Height Summation:			14377422				
Amount Avg CF:			473.425789	Linear:			
Aroclor-1262					6	26.90	
E 5.23	5.25	5.27	1549089	263.853653			1
E 5.40	5.41	5.44	1677802	331.891086			2
E 5.63	5.65	5.67	4716769	361.917905			3
E 5.83	5.85	5.87	2852290	356.765225			4
5.89	5.91	5.93	619032.4	168.916646			5
E 6.26	6.28	6.30	1111971	235.044461			6
Height Summation:			12526953.4				
Amount Avg CF:			286.398163	Linear:			
Aroclor-1268					6	92.11	
E 5.83	5.85	5.87	2852290	202.045401			1
5.89	5.91	5.93	619032.4	48.190408			2
6.03	6.04	6.07	77426.27	6.489977			3
+ 6.09	6.09	6.13	41853.97	13.486281			4
6.09	6.12	6.13	450897.6	145.289251			4
E 6.26	6.28	6.30	1111971	219.900679			5
6.47	6.48	6.51	311083.5	7.491795			6
Height Summation:			5422700.77				
Amount Avg CF:			104.901252	Linear:			

Analysis Report (B)

Injected on : May 21, 2017 23:14:40
Instrument : CP25--18274B
Result file : 25PCBS17116016B.032.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	122.47	
4.18	4.20	4.22	580451.9	75.576699			1
+ 4.24	4.26	4.28	566624.1	40.184597			2
4.24	4.27	4.28	1593075	112.979799			2
4.33	4.35	4.37	5434764	839.48222			3
+ 4.40	4.42	4.44	553983.4	58.758884			4
4.40	4.44	4.44	1084677	115.04751			4
E 4.47	4.48	4.51	6581862	1259.022977			5
4.62	4.64	4.66	622549.4	90.520878			6
Height Summation:			15897379.3				
Amount Avg CF:			415.438347	Linear:			
Aroclor-1260					6	5.20	
4.33	4.35	4.37	5434764	517.549694			1
4.47	4.48	4.51	6581862	547.18016			2
4.57	4.59	4.61	5199234	503.517677			3
4.92	4.94	4.96	4427475	535.152734			4
5.11	5.13	5.15	10986640	538.492538			5
5.37	5.39	5.41	7158859	584.974727			6
Height Summation:			39788834				
Amount Avg CF:			537.811255	Linear:			
Aroclor-1262					6	27.83	
E 4.73	4.75	4.77	3326550	251.567749			1
E 4.92	4.94	4.96	4427475	338.557326			2
E 5.11	5.13	5.15	10986640	401.466697			3
5.33	5.34	5.36	2005776	194.926291			4
E 5.37	5.39	5.41	7158859	400.777659			5
E 5.75	5.77	5.79	2656049	258.905589			6
Height Summation:			30561349				
Amount Avg CF:			307.700218	Linear:			
Aroclor-1268					6	117.48	
5.33	5.34	5.37	2005776	61.702092			1
E 5.37	5.39	5.41	7158859	226.443495			2
5.53	5.54	5.57	169335.6	6.156584			3
5.59	5.61	5.63	126396.3	18.662228			4
E 5.75	5.77	5.79	2656049	231.845033			5
5.95	5.97	5.99	722464.6	7.396894			6
Height Summation:			12838880.5				
Amount Avg CF:			92.034388	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		12.66	4	40	
Aroclor-1221			51	15.3	E	21.53	3	5	
Aroclor-1232			51	12.3	E	17.39	4	10	
Aroclor-1242			51	12.3	E	14.47	4	30	
Aroclor-1248			51	9.9		33.17	4	40	
Aroclor-1254			51	13.2	E	23.40	4	40	
Aroclor-1260			51	11.7		12.73	4	40	
Aroclor-1262			51	9.9	E	7.17	4	40	
Aroclor-1268			51	9.9	E	13.07	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 5/19/17 ACF ABLCS02139 LCS 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:14:40 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.007		5731	4142
2.047		8446	7602
2.093		9292	11143
2.121		1282	587
2.146		426122	315725
2.212		21482	15339
2.24		15332	10379
2.273		1314	543
2.291		623	693
2.34		59816	46852
2.377		2991	2466
2.406		273480	184704
2.439		767	299
2.453		1162	615
2.476		708	428
2.494		1735	1833
2.549		504	224
2.579		13237	9103
2.603		1587	1090
2.664		2129	1365
2.718		7534	5460
2.751		33593	32949
2.83		1038	755
2.855		2572	1774
2.888		10239	6870
2.918		605	444
2.945	TCX	4225775	2964802
3.006		1043	589
3.062		662	506
3.093		183642	163546
3.15		219903	163676
3.197		1023205	755159
3.252		1626	1038
3.291		129914	102214
3.333		3585	2874
3.414		1004641	612979
3.431		469111	247489
3.469		115319	70660
3.485		10792	4131
3.495		60063	31823
3.53		1251029	992739
3.567		5146	2704
3.582		5381	2549
3.607		60790	47402
3.641		248530	153361
3.655		126189	65519
3.677		4854	1681
3.7		423611	283254
3.71		1414523	756258
3.747		1650755	1224687
3.805		1352679	1080450
3.847		98123	74276
3.876		881446	653388
3.903		591387	494615

RT A	Compound A	Height A	Area A
3.925		142714	79207
3.975		772	259
4		977283	723700
4.024		328643	217490
4.056		372607	262901
4.089		1084828	1034232
4.129		316979	267040
4.177		49723	46702
4.216		64778	48178
4.251		912706	684096
4.268		141641	70572
4.293		259122	204781
4.364		157926	136468
4.407		1035990	1019930
4.441		36489	25935
4.482		645	522
4.503		11703	9224
4.543		123410	122222
4.595		138584	90856
4.612		225537	162938
4.656		673606	630679
4.705		941939	1052921
4.743		197895	145090
4.782		2278666	2135802
4.826		20046	16916
4.867		400034	423114
4.901		27403	17777
4.928		405971	387681
4.981		2783890	3512309
5.032		477777	457512
5.071		1302806	1449417
5.113		10927	4959
5.15		241808	295281
5.183		3552228	3651844
5.224		25437	12042
5.252		1549089	1441811
5.294		978191	956017
5.387		433686	339537
5.412		1677802	1506214
5.468		834016	832327
5.506		491394	488667
5.548		93793	97738
5.588		574123	685486
5.647		4716769	4922709
5.739		4874	5911
5.793		1761	1593
5.85		2852290	2648867
5.879		199660	115242
5.906		619032	670405
6.002		1050	738
6.015		911	249
6.043		77426	80204
6.093		41854	32497
6.121		450898	444352
6.228		2354	3159
6.277		1111971	1149403
6.322		77903	79117
6.408		1395	1278
6.481		311084	338357
6.559		1591	2096
6.631	DCB	2939251	3167710
6.707		1547	1890
6.766		574	664
6.827		2094	3412
6.886		454	324
6.911		3255	4293

LANCASTER LABORATORIES

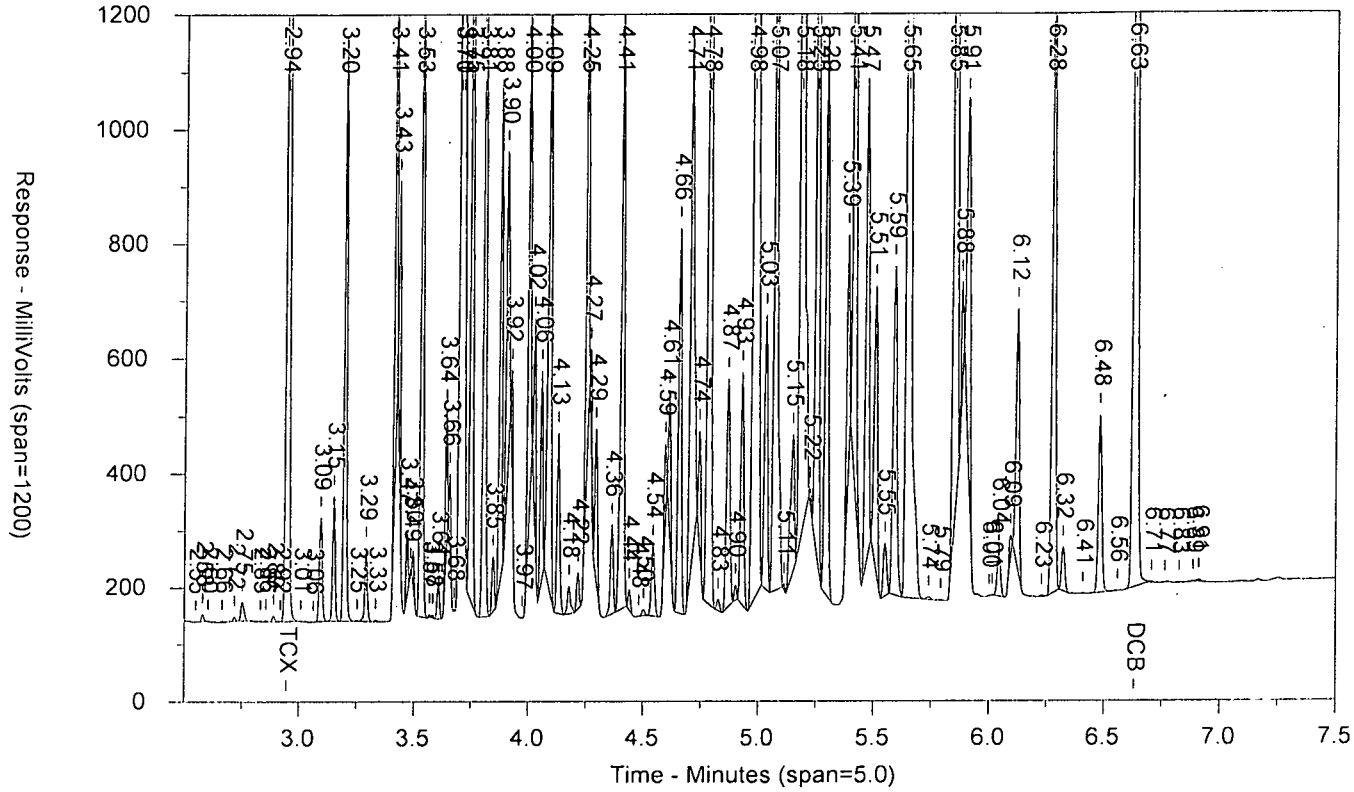
Sample Number: LCSA 5/19/17 ACF ABLCS02139 LCS 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:14:40 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.059		9388	8098
2.119		307865	198935
2.164		3422	2045
2.212		2366	3252
2.239		3263	3512
2.305		15792	11604
2.37		2510	2882
2.397		10210	6741
2.44		42434	28475
2.467		16298	13977
2.557		1249	1781
2.578		4638	2402
2.597		13563	6782
2.621	TCX	6388332	3854285
2.665		122375	95907
2.742		3961	2110
2.768		1522	1184
2.794		309922	220643
2.855		325529	215263
2.907		1634451	1020555
2.957		7003	3812
3.019		205274	141904
3.115		2197663	2130952
3.167		247100	157041
3.188		119665	69846
3.214		174122	99897
3.238		2203899	1458210
3.275		85384	50884
3.322		542689	283440
3.337		297644	146735
3.365		5095	2258
3.398		5069478	5002138
3.431		2510392	1640082
3.506		2690013	1651724
3.542		1770229	1104450
3.565		1969673	1088606
3.583		589209	299225
3.67		2233056	1461133
3.692		817402	442703
3.713		749659	450675
3.742		500666	264687
3.76		1972391	1171131
3.801		650511	472632
3.849		99104	91355
3.871		496939	300074
3.893		2724744	1742587
3.919		523552	314863
3.939		84103	41069
3.958		318661	200078
3.993		2196745	1489650
4.027		102135	60247
4.043		157693	103525
4.103		21899	19778
4.138		177449	183505

RT B	Compound B	Height B	Area B
4.17		6700	3652
4.196		580452	425601
4.238		572677	332390
4.256		566624	280666
4.27		1593075	847679
4.295		906595	900917
4.348		5434765	4003019
4.396		65893	61530
4.417		553983	356539
4.442		1084677	817985
4.485		6581862	4937430
4.588		5199234	4990423
4.641		622549	532337
4.679		1438382	1169665
4.715		7073045	5912724
4.748		3326550	2270152
4.787		2300903	1765744
4.862		143479	104237
4.885		716726	670839
4.937		4427475	3369483
4.96		564859	360714
5.01		2172288	1952820
5.046		1113617	878898
5.075		808717	662898
5.108		352044	209114
5.13		10986640	8914054
5.171		209728	155984
5.203		369688	310619
5.279		4721	3188
5.321		103854	63797
5.344		2005776	1634918
5.389		7158859	7523592
5.506		4496	3105
5.544		169336	149186
5.589		182815	135495
5.612		126396	92388
5.661		1151045	996952
5.767		2656049	2254544
5.8		155799	117089
5.967		722465	636119
6.051		2013	3651
6.127	DCB	7105052	6577234
6.306		2559	2371
6.432		1656	3381
6.658		2821	3800
6.822		1819	2682
6.907		4649	4537

LCSA 5/19/17 ACF ABLCS02139 LCS 171390002A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.032.RAW



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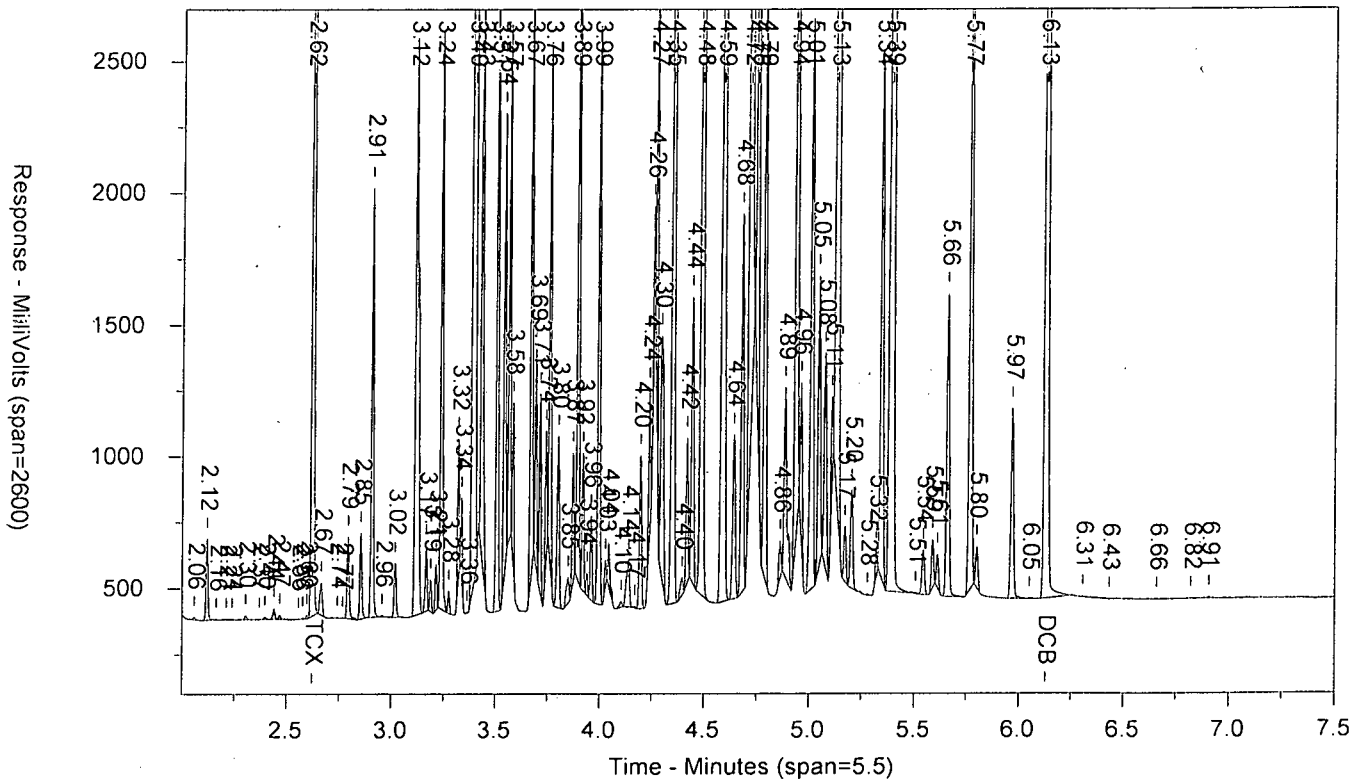

LANCASTER LABORATORIES

Sample Number: LCSA 5/19/17 ACF ABLCS02139 LCS 171390002A 10225 SW-846 8082
Injected On: 5/21/2017 11:14:40 PM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	4225775	30.233	TCX	2.621	6388332	33.547	TCX
6.631	2939251	29.486	DCB	6.127	7105052	30.141	DCB

Files:
Area File: 25pcbs17116016.032.RAW
Area File: 25pcbs17116016B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/21/2017 11:23:13 PM
File Reported On: 5/21/2017 at 11:23:21 PM

LCSA 5/19/17 ACF ABLCS02139 LCS 171390002A 10225 SW-846 8082

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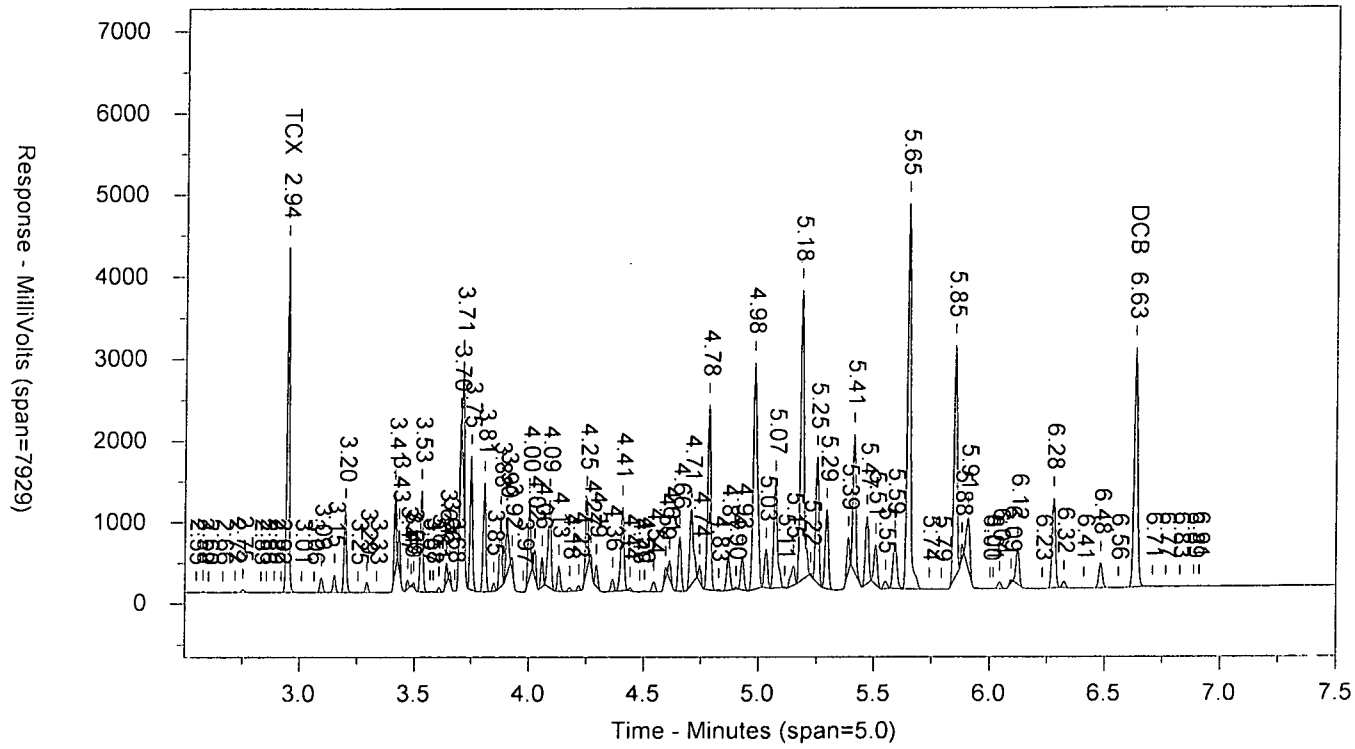

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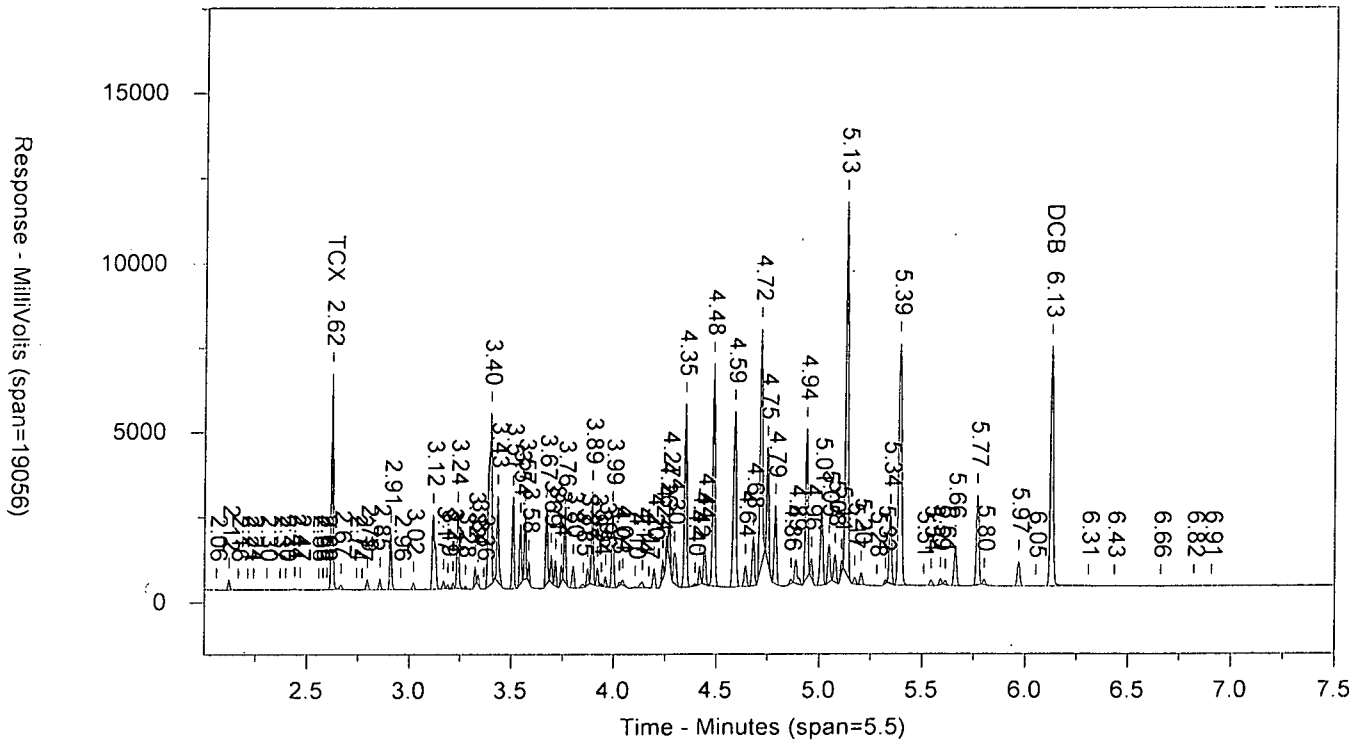

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Data Summary

Sample Name: BLANKA 5/21/17 ACF PBLK30139 BLK Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 05:05:53
Instrument	18274A
Result file	25PCBS17116016.063.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 112% (61 - 152) Conc: 32.79185
%SSR(DCB) 107% (48 - 164) Conc: 31.41108

Analysis Report (B)

Injected on	May 22, 2017 05:05:53
Instrument	18274B
Result file	25PCBS17116016B.063.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 120% (61 - 152) Conc: 35.02166
%SSR(DCB) 113% (48 - 164) Conc: 33.05546

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4583448	32.79185	Tetrachloro-m-xylene	2.59	2.62	2.65	6669094	35.02166
Decachlorobiphenyl	6.61	6.63	6.67	3131163	31.41108	Decachlorobiphenyl	6.10	6.13	6.16	7792188	33.05546

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	32.79185				6.58	
Decachlorobiphenyl	B	33.05546				5.10	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist

Verified by: MAY 25 2017

Date: MAY 23 2017

Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/21/17 ACF PBLK30139 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:05:53
Instrument : CP25--18274A
Result file : 25PCBS17116016.063.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 112% (61-152) Conc.: 32.79185 Pocs
%SSR(DCB) : 107% (48-164) Conc.: 31.41108

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	70.12	
3.18	3.18	3.22	1227.334	0.527002			1
+ 3.18	3.20	3.22	840.0456	0.360705			1
3.40	3.40	3.44	537.9175	0.243352			2
3.51	3.54	3.55	821.2515	0.293273			3
3.73	3.74	3.77	3833.256	1.126646			4
+ 3.73	3.76	3.77	911.6021	0.267932			4
3.79	3.80	3.83	4007.965	1.318808			5
Height Summation:			**10427.724**				
Amount Avg CF:			**0.701816**	Linear:			
Aroclor-1221					3	148.79	
3.07	3.10	3.11	806.1497	0.710625			1
3.13	3.14	3.17	9717.675	9.331667			2
3.18	3.20	3.22	840.0456	0.263572			3
Height Summation:			**11363.8703**				
Amount Avg CF:			**3.435288**	Linear:			
Aroclor-1232					5	89.52	
3.18	3.20	3.22	840.0456	0.294971			1
3.40	3.40	3.44	537.9175	0.509275			2
3.52	3.54	3.56	821.2515	0.59097			3
3.74	3.74	3.78	3833.256	2.24927			4
+ 3.74	3.76	3.78	911.6021	0.534908			4
3.79	3.80	3.83	4007.965	2.826619			5
Height Summation:			**10040.4356**				
Amount Avg CF:			**1.294221**	Linear:			
Aroclor-1242					5	78.26	
3.18	3.20	3.22	840.0456	0.425044			1
3.40	3.40	3.44	537.9175	0.293404			2
3.51	3.54	3.55	821.2515	0.351253			3
3.73	3.74	3.77	3833.256	1.352844			4
+ 3.73	3.76	3.77	911.6021	0.321725			4
3.79	3.80	3.83	4007.965	1.649615			5
Height Summation:			**10040.4356**				
Amount Avg CF:			**0.814432**	Linear:			
Aroclor-1248					2	25.82	
3.79	3.80	3.83	4007.965	2.299837			1
4.64	4.66	4.68	3519.531	1.589787			6
Height Summation:			**7527.496**				
Amount Avg CF:			**1.944812**	Linear:			
Aroclor-1254					6	52.06	
4.24	4.25	4.28	1851.286	0.635174			1
4.58	4.60	4.62	3631.504	1.049727			2
4.64	4.66	4.68	3519.531	0.526153			3
4.77	4.78	4.81	3846.544	1.779498			4
4.86	4.87	4.89	2563.399	0.521017			5
5.05	5.07	5.09	3920.812	1.071462			6
Height Summation:			**19333.076**				
Amount Avg CF:			**0.930505**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:05:53
Instrument : CP25--18274B
Result file : 25PCBS17116016B.063.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 120% (61-152) Conc.: 35.02166
%SSR(DCB) : 113% (48-164) Conc.: 33.05546

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	117.33	
3.22	3.26	3.26	31239.28	7.163999			2
+ 3.41	3.42	3.45	3274.907	0.664387			3
3.41	3.44	3.45	3354.111	0.680455			3
+ 3.49	3.49	3.53	1604.971	0.312974			4
3.49	3.53	3.53	3157.157	0.615654			4
3.65	3.69	3.69	9917.293	2.386228			5
3.74	3.76	3.78	3740.891	0.98513			6
Height Summation:			**51408.732**				
Amount Avg CF:			**2.366293**	Linear:			
Aroclor-1221					1		
2.84	2.86	2.88	4541.947	4.328587			2
Height Summation:			**4541.947**				
Amount Avg CF:			**4.328587**	Linear:			
Aroclor-1232					5	113.37	
3.22	3.26	3.26	31239.28	15.181525			2
+ 3.41	3.42	3.45	3274.907	1.480599			3
3.41	3.44	3.45	3354.111	1.516408			3
+ 3.49	3.49	3.53	1604.971	0.702618			4
3.49	3.53	3.53	3157.157	1.382128			4
3.65	3.69	3.69	9917.293	5.637492			5
3.75	3.76	3.79	3740.891	2.130485			6
Height Summation:			**51408.732**				
Amount Avg CF:			**5.169608**	Linear:			
Aroclor-1242					4	136.90	
3.22	3.26	3.26	31239.28	8.970819			2
+ 3.41	3.42	3.45	3274.907	0.827206			3
3.41	3.44	3.45	3354.111	0.847212			3
+ 3.49	3.49	3.53	1604.971	0.397338			4
3.49	3.53	3.53	3157.157	0.781609			4
3.74	3.76	3.78	3740.891	1.158394			6
Height Summation:			**41491.439**				
Amount Avg CF:			**2.939509**	Linear:			
Aroclor-1248					6	50.42	
+ 3.41	3.42	3.45	3274.907	1.661185			1
3.41	3.44	3.45	3354.111	1.701361			1
3.52	3.53	3.56	3157.157	0.626864			2
3.65	3.69	3.69	9917.293	1.646446			3
3.74	3.76	3.78	3740.891	0.813159			4
3.88	3.89	3.92	3773.04	0.407834			5
4.24	4.26	4.28	5364.646	1.224184			6
Height Summation:			**29307.138**				
Amount Avg CF:			**1.069975**	Linear:			
Aroclor-1254					5	84.00	
4.24	4.26	4.28	5364.646	0.380457			2
4.33	4.35	4.37	8982.571	1.387495			3
4.40	4.42	4.44	3558.7	0.377458			4
4.47	4.49	4.51	12237.47	2.340866			5
4.62	4.64	4.66	3978.825	0.578535			6
Height Summation:			**34122.212**				
Amount Avg CF:			**1.012962**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/21/17 ACF PBLK30139 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:05:53
Instrument : CP25--18274A
Result file : 25PCBS17116016.063.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	34.96	
4.76	4.78	4.80	3846.544	0.795227			1
5.05	5.07	5.09	3920.812	1.399003			2
5.23	5.25	5.27	3169.328	0.963351			3
5.40	5.41	5.44	3762.589	1.049552			4
5.63	5.65	5.67	5609.997	0.577172			5
5.83	5.85	5.87	9303.68	1.567172			6
Height Summation:			**29612.95**				
Amount Avg CF:			**1.05858**	Linear:			
Aroclor-1262					6	35.32	
5.23	5.25	5.27	3169.328	0.539826			1
5.40	5.41	5.44	3762.589	0.744289			2
5.63	5.65	5.67	5609.997	0.430455			3
5.83	5.85	5.87	9303.68	1.163707			4
5.89	5.90	5.93	3465.397	0.94561			5
6.26	6.28	6.30	3376.837	0.713784			6
Height Summation:			**28687.828**				
Amount Avg CF:			**0.756279**	Linear:			
Aroclor-1268					6	165.64	
5.83	5.85	5.87	9303.68	0.659037			1
5.89	5.90	5.93	3465.397	0.269774			2
6.03	6.04	6.07	36752.62	3.080656			3
6.09	6.11	6.13	44226.36	14.250718			4
6.26	6.28	6.30	3376.837	0.667795			5
6.47	6.48	6.51	35285.8	0.849785			6
Height Summation:			**132410.694**				
Amount Avg CF:			**3.296294**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:05:53
Instrument : CP25--18274B
Result file : 25PCBS17116016B.063.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	26.84	
4.33	4.35	4.37	8982.571	0.855405			1
4.47	4.49	4.51	12237.47	1.017357			2
4.57	4.59	4.61	9467.24	0.916851			3
4.92	4.94	4.96	9935.864	1.200956			4
5.11	5.13	5.15	25748.45	1.262019			5
5.37	5.39	5.41	20901.94	1.707969			6
Height Summation:			**87273.535**				
Amount Avg CF:			**1.160093**	Linear:			
Aroclor-1262					6	29.04	
4.73	4.75	4.77	6897.345	0.521606			1
4.92	4.94	4.96	9935.864	0.759769			2
5.11	5.13	5.15	25748.45	0.940883			3
5.33	5.34	5.36	6245.797	0.606982			4
5.37	5.39	5.41	20901.94	1.170163			5
5.75	5.77	5.79	9106.851	0.887715			6
Height Summation:			**78836.247**				
Amount Avg CF:			**0.81452**	Linear:			
Aroclor-1268					6	163.15	
5.33	5.34	5.37	6245.797	0.192134			1
5.37	5.39	5.41	20901.94	0.661154			2
5.53	5.54	5.57	82222.17	2.989376			3
5.59	5.61	5.63	90810.46	13.408031			4
5.75	5.77	5.79	9106.851	0.794932			5
5.95	5.97	5.99	77987.88	0.798472			6
Height Summation:			**287275.098**				
Amount Avg CF:			**3.140683**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		** 108.50	4	40	
Aroclor-1221			51	15.3		23.01	3	5	
Aroclor-1232			51	12.3		** 119.91	4	10	
Aroclor-1242			51	12.3		** 113.22	4	30	
Aroclor-1248			51	9.9		** 58.04	4	40	
Aroclor-1254			51	13.2		8.49	4	40	
Aroclor-1260			51	11.7		9.15	4	40	
Aroclor-1262			51	9.9		7.42	4	40	
Aroclor-1268			51	9.9		4.83	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 5/21/17 ACF ABPBLK30139 BLK 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:05:53 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.063.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.007		5459	3086
2.021		3473	2236
2.047		8033	8008
2.093		12507	15501
2.122		2215	1145
2.145		381667	277253
2.178		3454	1341
2.211		17433	13930
2.239		16534	13520
2.3		1458	1040
2.339		80757	60908
2.379		3334	2776
2.405		252162	173496
2.44		881	424
2.454		1375	791
2.473		1894	978
2.493		671	486
2.501		1470	799
2.548		780	260
2.56		777	355
2.574		496	295
2.601		10518	9570
2.662		2507	1645
2.697		893	732
2.717		6892	4172
2.751		30834	29058
2.79		1291	933
2.831		2359	2323
2.887		10412	6890
2.916		1244	742
2.945	TCX	4583448	3119953
3.007		1537	819
3.058		1368	1098
3.098		806	821
3.142		9718	9724
3.177		1227	603
3.198		840	631
3.225		2445	2111
3.249		1200	737
3.276		6046	7176
3.342		1239	2023
3.379		1974	1623
3.402		538	379
3.463		1839	1583
3.489		2213	1460
3.506		4211	2683
3.542		821	332
3.555		941	580
3.58		962	602
3.612		19051	17000
3.654		1468	904
3.678		18197	16722
3.736		3833	2787
3.762		912	732

RT A	Compound A	Height A	Area A
3.8		4008	4511
3.837		1293	958
3.916		1589	2130
3.963		1274	929
4.059		1376	2021
4.117		717	534
4.136		1572	1297
4.194		14618	14762
4.252		1851	1527
4.3		5071	6794
4.365		1470	2481
4.404		1109	1310
4.442		2408	3405
4.485		717	609
4.515		1008	949
4.597		3632	4889
4.658		3520	4396
4.707		1376	1335
4.743		1019	1085
4.782		3847	3269
4.823		954	862
4.867		2563	3135
4.904		9626	8294
4.928		861	558
4.982		5826	7628
5.022		2250	2742
5.068		3921	5283
5.108		1124	769
5.145		16807	15643
5.185		8466	10219
5.253		3169	3005
5.296		2329	2277
5.338		271	167
5.362		3554	3440
5.389		1762	1068
5.413		3763	3161
5.445		443	189
5.474		65146	75115
5.547		11526	10596
5.57		2509	2288
5.627		2259	1454
5.647		5610	3904
5.671		26203	21548
5.752		1494	1964
5.805		365	332
5.851		9304	10128
5.901		3465	5811
5.963		613	785
6.008		765	914
6.043		36753	36910
6.107		44226	54008
6.167		584	645
6.247		945	1993
6.277		3377	2989
6.313		1809	2042
6.363		5283	5743
6.409		590	376
6.481		35286	40565
6.539		574	432
6.572		543	1194
6.631	DCB	3131163	3268395
6.734		1085	1404
6.753		627	308
6.781		2114	2317
6.826		1832	2925
6.907		7039	21062

LANCASTER LABORATORIES

Sample Number: BLANKA 5/21/17 ACF ABPBLK30139 BLK 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:05:53 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.063.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		10466	8594
2.119		289103	186286
2.162		13383	7938
2.19		2523	1838
2.238		3932	4623
2.358		2808	2589
2.396		9722	5986
2.439		38814	25740
2.466		13759	10905
2.508		2243	2400
2.576		3098	1403
2.596		11641	5957
2.621	TCX	6669095	4075249
2.7		2817	4439
2.741		9371	5418
2.77		3936	6449
2.819		4656	6184
2.862		4542	3766
2.927		5128	10522
2.956		10723	9945
2.999		3213	2782
3.091		2385	4665
3.12		5920	6032
3.157		9522	9682
3.18		2244	1318
3.194		9397	7622
3.255		31239	21713
3.287		3908	2986
3.331		33569	23105
3.367		6334	6264
3.39		3011	1749
3.418		3275	3623
3.441		3354	3301
3.494		1605	1079
3.526		3157	3137
3.578		1753	1358
3.605		6659	5543
3.634		2149	1542
3.69		9917	14940
3.727		3604	4523
3.756		3741	4137
3.844		6582	7803
3.895		3773	8272
3.96		35522	27275
3.992		2633	1788
4.026		2302	1589
4.094		8838	7669
4.169		4858	6734
4.226		3772	5572
4.256		5365	7179
4.306		2541	3190
4.348		8983	8203
4.388		2259	2349
4.42		3559	2456

RT B	Compound B	Height B	Area B
4.459		20135	16075
4.485		12237	9058
4.554		2249	2578
4.586		9467	10808
4.639		3979	3131
4.665		2226	1550
4.686		18885	14561
4.716		15358	13334
4.748		6897	6490
4.785		10913	10324
4.862		179419	180862
4.936		9936	7624
4.961		3650	2140
5.01		7068	8299
5.06		2865	3306
5.08		26634	20514
5.129		25748	22183
5.179		16926	11721
5.202		58229	46183
5.239		2570	2400
5.285		1818	2039
5.344		6246	5060
5.388		20902	21899
5.458		3483	3504
5.544		82222	74236
5.612		90810	80927
5.661		26626	32783
5.767		9107	8075
5.861		2332	4476
5.934		964	966
5.966		77988	66779
5.997		2512	1665
6.064		1239	1541
6.126	DCB	7792189	6883959
6.414		1650	1530
6.538		1865	3995
6.612		2685	2760
6.667		2626	3667
6.721		1562	2770
6.787		989	1213
6.828		1547	2403
6.905		3896	4829

BLANKA 5/21/17 ACF ABPBLK30139 BLK 171390030A 10225 SW-846 80

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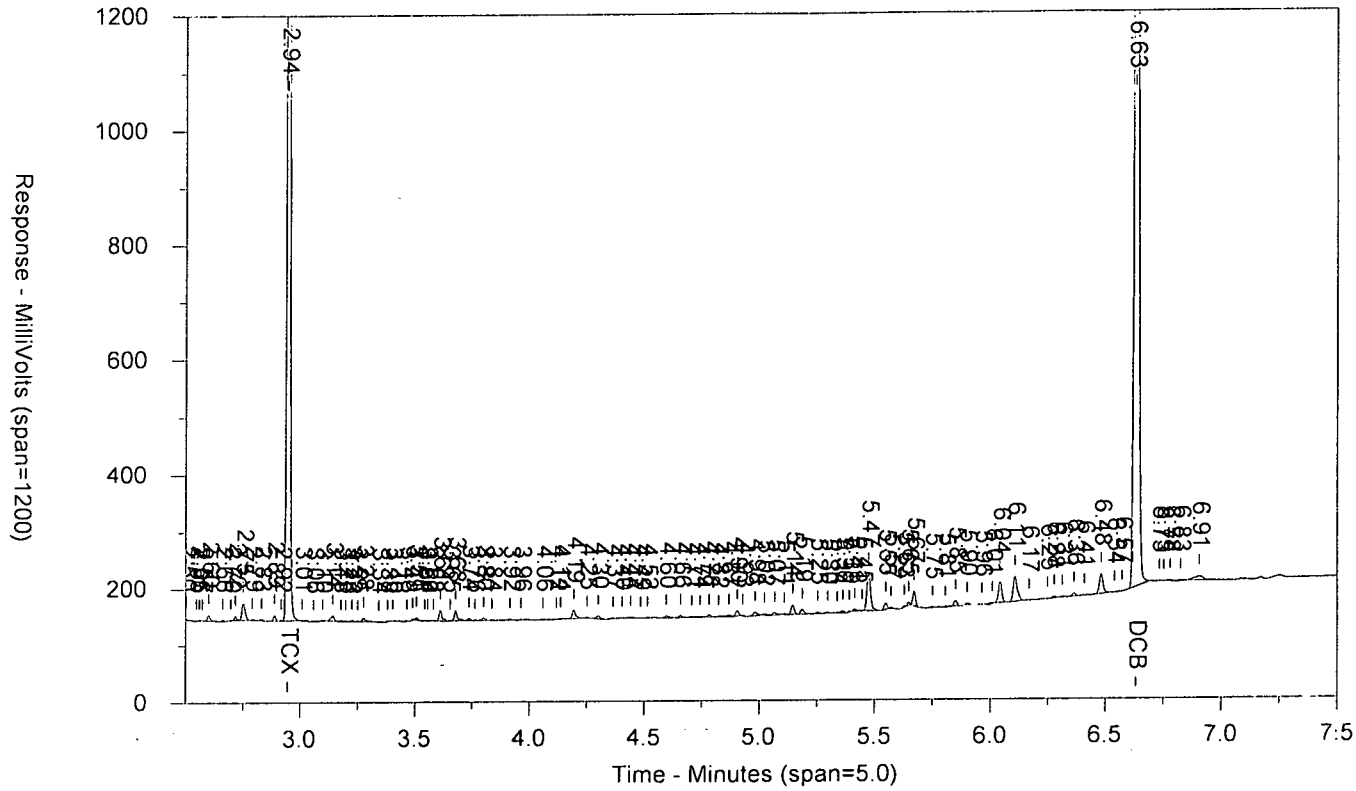

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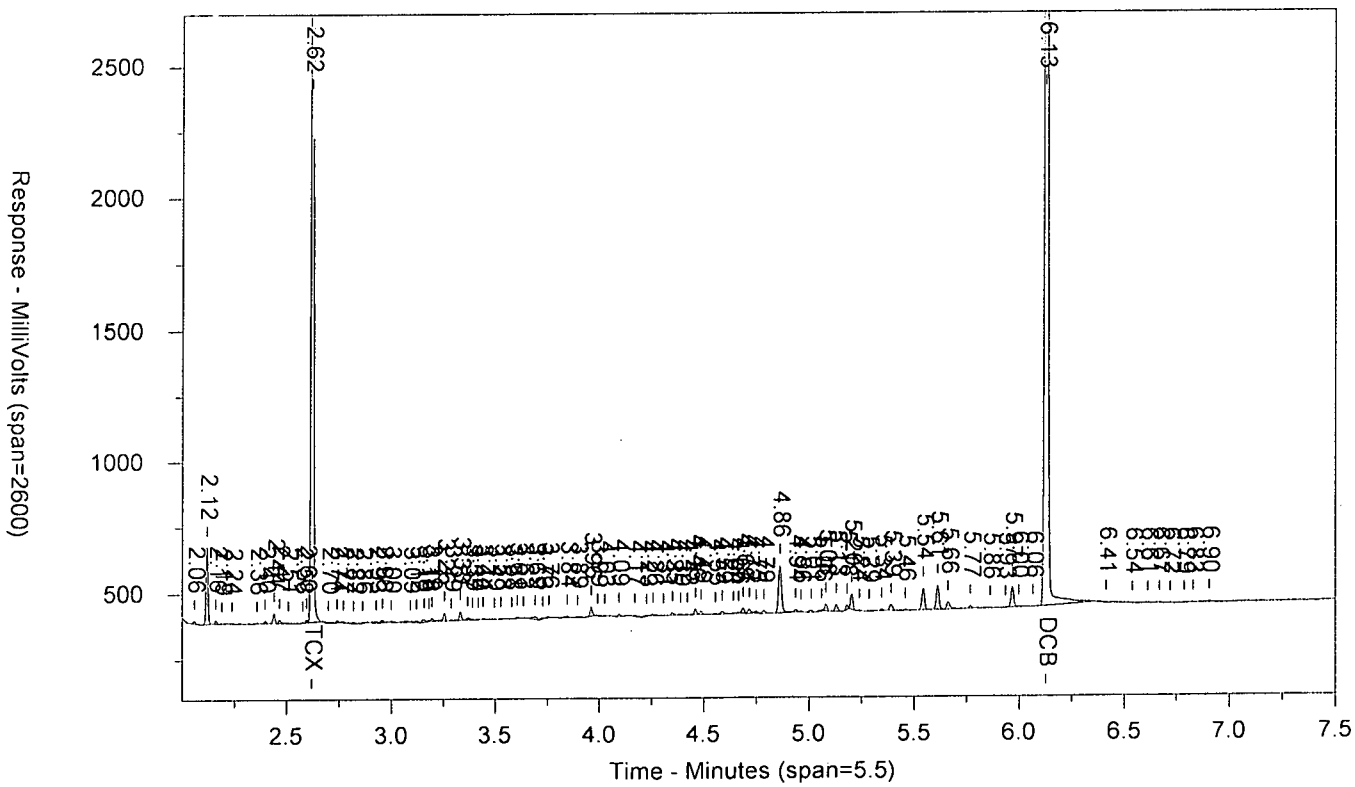

LANCASTER LABORATORIES

Sample Number: BLANKA 5/21/17 ACF ABPBLK30139 BLK 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:05:53 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	4583448	32.792	TCX	2.621	6669095	35.022	TCX
6.631	3131163	31.411	DCB	6.126	7792189	33.055	DCB

Files:
Area File: 25pcbs17116016.063.RAW
Area File: 25pcbs17116016B.063.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:12:37 AM
File Reported On: 5/22/2017 at 5:14:34 AM

BLANKA 5/21/17 ACF ABPBLK30139 BLK 171390030A 10225 SW-846 80

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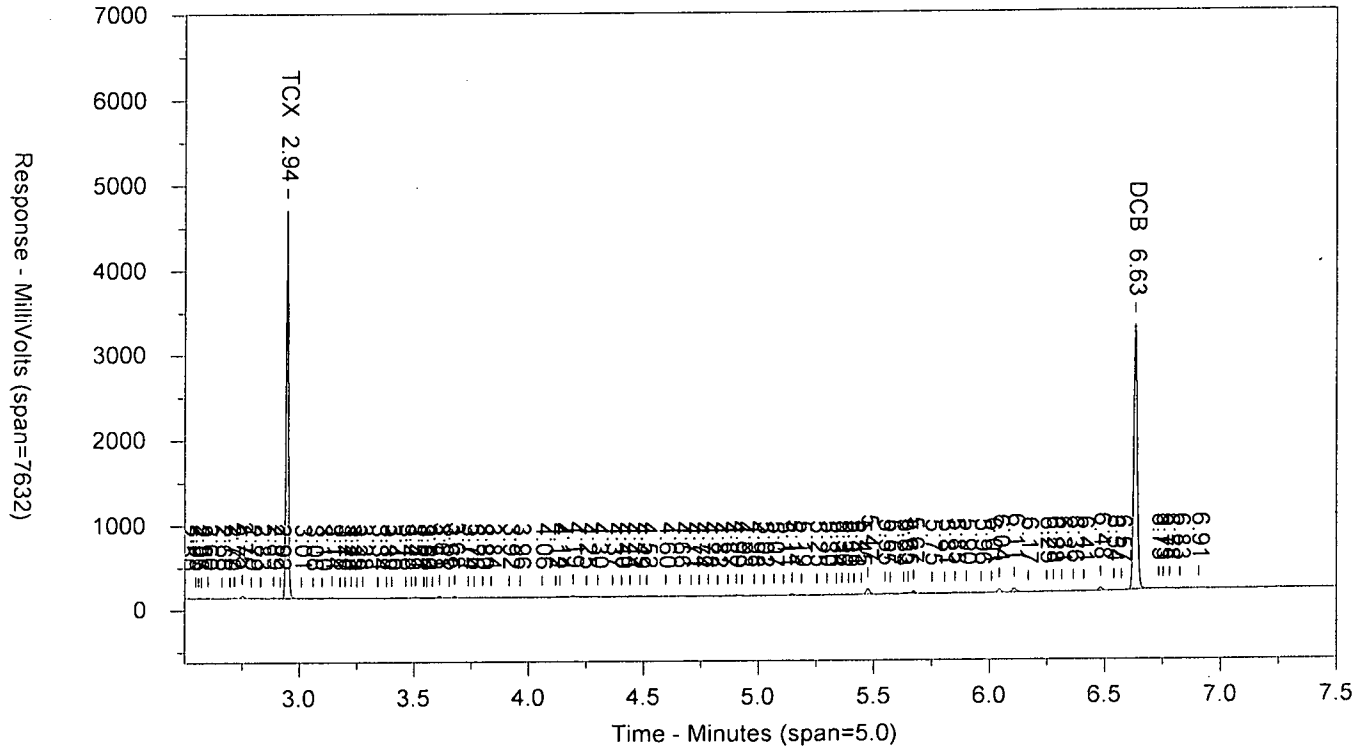

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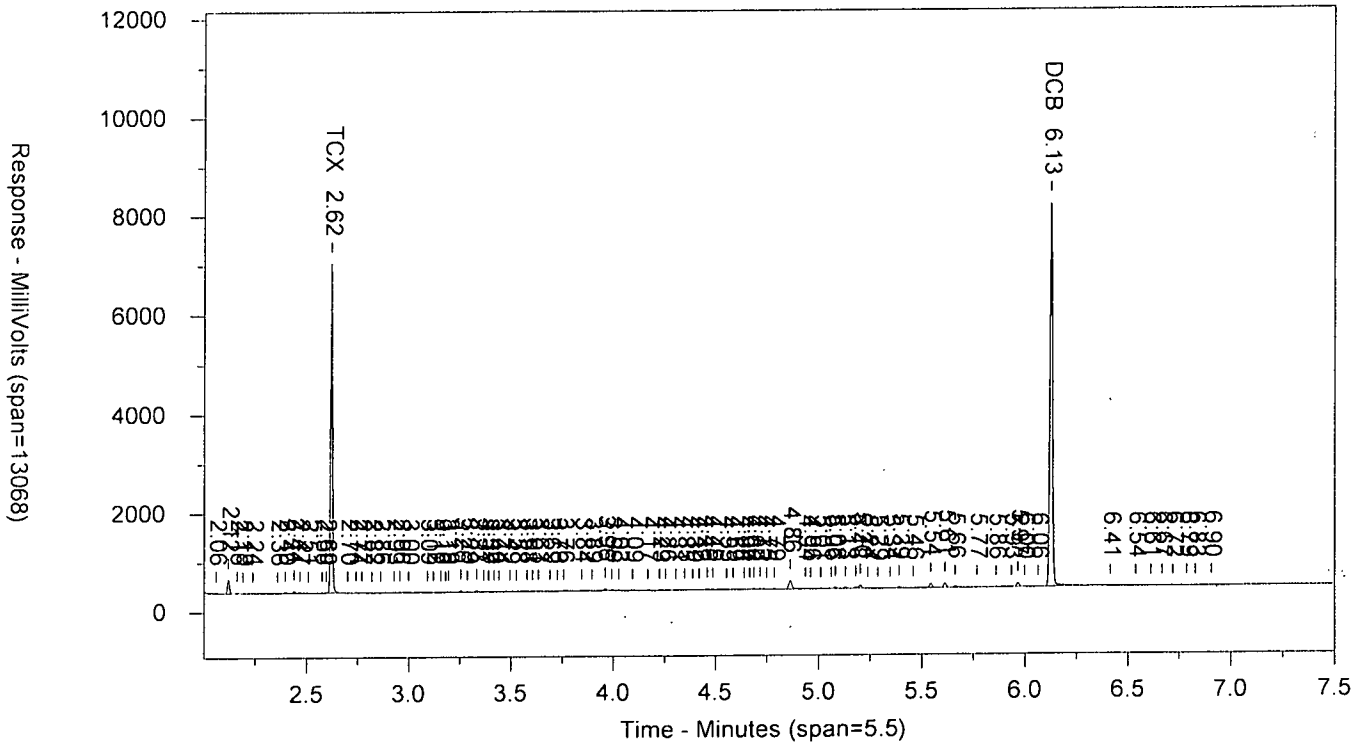

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Data Summary

Sample Name: LCSA 5/21/17 ACF LCS30139 LCS Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 05:17:13
Instrument	18274A
Result file	25PCBS17116016.064.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 105% (61 - 152) Conc: 30.78642
%SSR(DCB) 105% (48 - 164) Conc: 30.73341

Analysis Report (B)

Injected on	May 22, 2017 05:17:13
Instrument	18274B
Result file	25PCBS17116016B.064.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 117% (61 - 152) Conc: 34.16387
%SSR(DCB) 107% (48 - 164) Conc: 31.2422

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4303141	30.78642
Decachlorobiphenyl	6.61	6.63	6.67	3063610	30.73341

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6505748	34.16387
Decachlorobiphenyl	6.10	6.13	6.16	7364748	31.2422

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	30.78642				10.40	
☐ Decachlorobiphenyl	B	31.2422				1.64	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.82**	
3.18	3.20	3.22	1049562	450.668746			1
3.40	3.41	3.44	1035927	468.650605			2
3.51	3.53	3.55	1311971	468.51162			3
3.73	3.75	3.77	1610708	473.409111			4
3.79	3.81	3.83	1439479	473.65577			5
3.98	4.00	4.02	1005935	469.030547			6
Height summation:			**7453582**				
Concentration		CF:	**467.321067**	L:			
Aroclor-1260						**1.30**	
4.76	4.78	4.80	2282490	471.877667			1
5.05	5.07	5.09	1322388	471.847392			2
5.23	5.25	5.27	1529382	464.872092			3
5.40	5.41	5.44	1660516	463.190988			4
5.63	5.65	5.67	4667978	480.254335			5
5.83	5.85	5.87	2780062	468.291684			6
Height summation:			**14242816**				
Concentration		CF:	**470.055693**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.92**	
2.89	2.91	2.93	1686010	514.854368			1
3.22	3.24	3.26	2286020	524.24525			2
3.41	3.43	3.45	2508044	508.811582			3
3.49	3.51	3.53	2663106	519.312896			4
3.65	3.67	3.69	2355802	566.836127			5
3.74	3.76	3.78	1994019	525.107133			6
Height summation:			**13493001**				
Concentration		CF:	**526.527893**	L:			
Aroclor-1260						**5.04**	
4.33	4.35	4.37	5380532	512.385209			1
4.47	4.49	4.51	6635450	551.635174			2
4.57	4.59	4.61	5348410	517.964566			3
4.92	4.94	4.96	4417557	533.953937			4
5.11	5.13	5.15	11042770	541.24366			5
5.37	5.39	5.41	7194378	587.877106			6
Height summation:			**40019097**				
Concentration		CF:	**540.843275**	L:			

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Data Summary

Sample Name: LCSA 5/21/17 ACF LCS30139 LCS Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 05:17:13
Instrument	18274A
Result file	25PCBS17116016.064.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

Analysis Report (B)

Injected on	May 22, 2017 05:17:13
Instrument	18274B
Result file	25PCBS17116016B.064.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	526.527893	51	9.9		11.91	4	
☐ PCB-1221			<51	<15.3			3	
☐ PCB-1232			<51	<12.3			4	
☐ PCB-1242			<51	<12.3			4	
☐ PCB-1248			<51	<9.9			4	
☐ PCB-1254			<51	<13.2			4	
☐ PCB-1260	B	540.843275	51	11.7		14.00	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1067.371168	51	9.9				

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Reviewed by: Kirby B. Turner, Associate Chemist
Date: MAY 23 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/21/17 ACF LCS30139 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:17:13
Instrument : CP25--18274A
Result file : 25PCBS17116016.064.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 106% (61-152) Conc.: 30.78642
%SSR(DCB) : 105% (48-164) Conc.: 30.73341

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**1.82**	
3.18	3.20	3.22	1049562	450.668746			1
3.40	3.41	3.44	1035927	468.650605			2
+ 3.40	3.43	3.44	444757.5	201.207104			2
3.51	3.53	3.55	1311971	468.51162			3
3.73	3.75	3.77	1610708	473.409111			4
3.79	3.81	3.83	1439479	473.65577			5
3.98	4.00	4.02	1005935	469.030547			6
Height Summation:			**7453582**				
Amount Avg CF:			**467.321066**	Linear:			
Aroclor-1221					**3**	**35.13**	
3.07	3.09	3.11	189203.3	166.783629			1
E 3.13	3.15	3.17	224756.7	215.828861			2
E 3.18	3.20	3.22	1049562	329.309437			3
Height Summation:			**1463522**				
Amount Avg CF:			**237.307309**	Linear:			
Aroclor-1232					**6**	**29.30**	
E 3.18	3.20	3.22	1049562	368.540046			1
E 3.40	3.41	3.44	1035927	980.76739			2
E+ 3.40	3.43	3.44	444757.5	421.075667			2
E 3.52	3.53	3.56	1311971	944.090881			3
E 3.74	3.75	3.78	1610708	945.127856			4
E 3.79	3.81	3.83	1439479	1015.193073			5
E 3.99	4.00	4.03	1005935	1085.123015			6
E+ 3.99	4.03	4.03	328707.6	354.583728			6
Height Summation:			**7453582**				
Amount Avg CF:			**889.807044**	Linear:			
Aroclor-1242					**6**	**3.48**	
E 3.18	3.20	3.22	1049562	531.05474			1
E 3.40	3.41	3.44	1035927	565.03981			2
E+ 3.40	3.43	3.44	444757.5	242.590157			2
E 3.51	3.53	3.55	1311971	561.136226			3
E 3.73	3.75	3.77	1610708	568.455803			4
E 3.79	3.81	3.83	1439479	592.466778			5
E 3.98	4.00	4.02	1005935	563.84636			6
Height Summation:			**7453582**				
Amount Avg CF:			**563.66662**	Linear:			
Aroclor-1248					**6**	**67.58**	
3.79	3.81	3.83	1439479	825.996848			1
3.86	3.88	3.90	874769.4	319.661557			2
3.98	4.00	4.02	1005935	317.868406			3
4.07	4.09	4.11	1102029	404.678253			4
4.25	4.27	4.29	159315.3	58.787142			5
4.64	4.66	4.68	672175.1	303.62435			6
Height Summation:			**5253702.8**				
Amount Avg CF:			**371.769426**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:17:13
Instrument : CP25--18274B
Result file : 25PCBS17116016B.064.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 117% (61-152) Conc.: 34.16387
%SSR(DCB) : 107% (48-164) Conc.: 31.2422

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**3.92**	
2.89	2.91	2.93	1686010	514.854368			1
3.22	3.24	3.26	2286020	524.24525			2
3.41	3.43	3.45	2508044	508.811582			3
3.49	3.51	3.53	2663106	519.312896			4
3.65	3.67	3.69	2355802	566.836127			5
+ 3.74	3.74	3.78	557899.6	146.917888			6
3.74	3.76	3.78	1994019	525.107133			6
Height Summation:			**13493001**				
Amount Avg CF:			**526.527893**	Linear:			
Aroclor-1221					**3**	**32.98**	
2.77	2.79	2.81	321516.9	189.219305			1
E 2.84	2.85	2.88	337533.2	321.677445			2
E 2.89	2.91	2.93	1686010	380.518471			3
Height Summation:			**2345060.1**				
Amount Avg CF:			**297.138407**	Linear:			
Aroclor-1232					**6**	**30.80**	
E 2.89	2.91	2.93	1686010	411.691478			1
E 3.22	3.24	3.26	2286020	1110.949741			2
E 3.41	3.43	3.45	2508044	1133.897284			3
E 3.49	3.51	3.53	2663106	1165.844429			4
E 3.65	3.67	3.69	2355802	1339.157302			5
E+ 3.65	3.69	3.69	824626.3	468.7594			5
E 3.75	3.76	3.79	1994019	1135.618987			6
Height Summation:			**13493001**				
Amount Avg CF:			**1049.526537**	Linear:			
Aroclor-1242					**6**	**4.84**	
E 2.89	2.91	2.93	1686010	614.74468			1
E 3.22	3.24	3.26	2286020	656.464313			2
E 3.41	3.43	3.45	2508044	633.504612			3
E 3.49	3.51	3.53	2663106	659.298194			4
E 3.65	3.67	3.69	2355802	697.568734			5
+ 3.74	3.74	3.78	557899.6	172.757649			6
E 3.74	3.76	3.78	1994019	617.462416			6
Height Summation:			**13493001**				
Amount Avg CF:			**646.507158**	Linear:			
Aroclor-1248					**6**	**71.71**	
E 3.41	3.43	3.45	2508044	1272.196581			1
3.52	3.54	3.56	1822470	361.857576			2
3.65	3.67	3.69	2355802	391.104725			3
+ 3.74	3.74	3.78	557899.6	121.27088			4
3.74	3.76	3.78	1994019	433.440782			4
3.88	3.89	3.92	2714336	293.396928			5
+ 4.24	4.24	4.28	561718.6	128.181185			6
+ 4.24	4.26	4.28	575970.1	131.433301			6
4.24	4.27	4.28	1578243	360.146625			6
Height Summation:			**12972914**				
Amount Avg CF:			**518.690536**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/21/17 ACF LCS30139 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 05:17:13
Instrument : CP25--18274A
Result file : 25PCBS17116016.064.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.20	
4.24	4.25	4.28	930947.2	319.40687			1
+ 4.24	4.27	4.28	159315.3	54.660889			1
+ 4.58	4.60	4.62	120278.3	34.767806			2
4.58	4.61	4.62	216487.4	62.578138			2
4.64	4.66	4.68	672175.1	100.487026			3
E 4.77	4.78	4.81	2282490	1055.93141			4
4.86	4.87	4.89	413228.9	83.989756			5
5.05	5.07	5.09	1322388	361.376409			6
Height Summation:			**5837716.6**				
Amount Avg CF:			**330.628268**	Linear:			
Aroclor-1260					6	1.30	
4.76	4.78	4.80	2282490	471.877667			1
5.05	5.07	5.09	1322388	471.847392			2
5.23	5.25	5.27	1529382	464.872092			3
5.40	5.41	5.44	1660516	463.190988			4
5.63	5.65	5.67	4667978	480.254335			5
5.83	5.85	5.87	2780062	468.291684			6
Height Summation:			**14242816**				
Amount Avg CF:			**470.055693**	Linear:			
Aroclor-1262					6	27.30	
E 5.23	5.25	5.27	1529382	260.496993			1
E 5.40	5.41	5.44	1660516	328.47169			2
E 5.63	5.65	5.67	4667978	358.17417			3
E 5.83	5.85	5.87	2780062	347.730926			4
5.89	5.91	5.93	589615.1	160.889487			5
E 6.26	6.28	6.30	1112919	235.244846			6
Height Summation:			**12340472.1**				
Amount Avg CF:			**281.834686**	Linear:			
Aroclor-1268					6	92.32	
5.83	5.85	5.87	2780062	196.929043			1
5.89	5.91	5.93	589615.1	45.900331			2
6.03	6.04	6.07	83954.15	7.037153			3
+ 6.09	6.09	6.13	38506.99	12.40781			4
6.09	6.12	6.13	450868.7	145.279939			4
E 6.26	6.28	6.30	1112919	220.088154			5
6.47	6.48	6.51	311130.1	7.492918			6
Height Summation:			**5328549.05**				
Amount Avg CF:			**103.787923**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 05:17:13
Instrument : CP25--18274B
Result file : 25PCBS17116016B.064.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	127.28	
4.18	4.20	4.22	595815.5	77.577089			1
+ 4.24	4.26	4.28	575970.1	40.847409			2
4.24	4.27	4.28	1578243	111.927923			2
4.33	4.35	4.37	5380532	831.10526			3
4.40	4.42	4.44	528334.3	56.038383			4
E 4.47	4.49	4.51	6635450	1269.273652			5
4.62	4.64	4.66	648741	94.329229			6
Height Summation:			**15367115.8**				
Amount Avg CF:			**406.708589**	Linear:			
Aroclor-1260					6	5.04	
4.33	4.35	4.37	5380532	512.385209			1
4.47	4.49	4.51	6635450	551.635174			2
4.57	4.59	4.61	5348410	517.964566			3
4.92	4.94	4.96	4417557	533.953937			4
5.11	5.13	5.15	11042770	541.24366			5
5.37	5.39	5.41	7194378	587.877106			6
Height Summation:			**40019097**				
Amount Avg CF:			**540.843275**	Linear:			
Aroclor-1262					6	28.03	
E 4.73	4.75	4.77	3237994	244.87077			1
E 4.92	4.94	4.96	4417557	337.798923			2
E 5.11	5.13	5.15	11042770	403.517763			3
5.33	5.34	5.36	1993208	193.704901			4
E 5.37	5.39	5.41	7194378	402.766135			5
E 5.75	5.77	5.79	2771543	270.16368			6
Height Summation:			**30657450**				
Amount Avg CF:			**308.803696**	Linear:			
Aroclor-1268					6	117.43	
5.33	5.34	5.37	1993208	61.315473			1
E 5.37	5.39	5.41	7194378	227.567004			2
5.53	5.54	5.57	169353.1	6.157221			3
5.59	5.61	5.63	143374.4	21.16902			4
E 5.75	5.77	5.79	2771543	241.92644			5
5.95	5.97	5.99	735387.2	7.529201			6
Height Summation:			**13007243.7**				
Amount Avg CF:			**94.277393**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		11.91	4	40	
Aroclor-1221			51	15.3	E	22.39	3	5	
Aroclor-1232			51	12.3	E	16.47	4	10	
Aroclor-1242			51	12.3	E	13.69	4	30	
Aroclor-1248			51	9.9		33.00	4	40	
Aroclor-1254			51	13.2	E	20.64	4	40	
Aroclor-1260			51	11.7		14.00	4	40	
Aroclor-1262			51	9.9	E	9.13	4	40	
Aroclor-1268			51	9.9	E	9.60	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 5/21/17 ACF ABLCS30139 LCS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:17:13 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17116016.064.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.007		5169	3340
2.048		6766	6341
2.091		14376	19174
2.145		392439	284716
2.178		2980	1160
2.198		1666	908
2.211		8499	4352
2.239		15226	10262
2.339		122640	91956
2.38		3110	2543
2.405		299364	196170
2.438		1315	657
2.452		1102	486
2.474		566	221
2.486		865	381
2.502		1088	605
2.548		484	181
2.579		13251	9182
2.602		2843	1986
2.663		1613	1058
2.681		469	208
2.7		903	526
2.717		6557	3932
2.75		27613	21667
2.794		595	395
2.826		1681	1351
2.855		2568	1843
2.887		9379	6267
2.915		451	304
2.945	TCX	4303141	2998151
3.006		1385	810
3.029		677	303
3.061		1155	982
3.093		189203	171080
3.15		224757	170570
3.197		1049562	775587
3.249		636	234
3.291		139025	104138
3.335		3697	3060
3.391		365	599
3.415		1035927	626703
3.432		444758	250887
3.47		121937	74372
3.486		9869	3911
3.496		61203	33550
3.531		1311971	1012939
3.569		5288	2564
3.583		5759	2767
3.608		69049	54034
3.642		278789	160964
3.657		129962	66889
3.679		5402	1905
3.702		380573	277884
3.712		1397662	779918

RT A	Compound A	Height A	Area A
3.749		1610708	1241102
3.807		1439479	1092694
3.849		105058	76403
3.878		874769	657378
3.905		568738	496350
3.927		156593	81270
3.977		570	163
4.001		1005935	738594
4.026		328708	210085
4.058		369639	267183
4.091		1102029	1047902
4.131		319331	269921
4.179		48801	46643
4.218		70698	50061
4.253		930947	687097
4.27		159315	80507
4.295		265569	206081
4.366		155290	137971
4.409		1027623	1022518
4.442		37744	27303
4.484		1021	627
4.504		13165	10800
4.546		146607	151269
4.597		120278	89644
4.614		216487	158737
4.658		672175	629638
4.707		947895	1051274
4.745		205010	148981
4.783		2282490	2130294
4.827		27089	22398
4.869		413229	420340
4.903		31401	21334
4.93		402717	382732
4.982		2794480	3491402
5.033		488514	457816
5.072		1322388	1433033
5.113		15400	7272
5.151		253985	297717
5.186		3529511	3606416
5.227		35677	15355
5.252		1529382	1427281
5.295		975330	952821
5.388		434329	342607
5.413		1660516	1494914
5.469		896942	828553
5.508		491610	495082
5.549		89853	94786
5.59		583931	667414
5.648		4667978	4876496
5.738		5204	6588
5.851		2780063	2637298
5.881		151018	103182
5.908		589615	675446
5.948		2304	1811
6.043		83954	94046
6.094		38507	33543
6.122		450869	440269
6.231		1690	2343
6.278		1112919	1155107
6.323		79815	80137
6.409		956	554
6.441		589	284
6.483		311130	340629
6.564		1599	2259
6.633	DCB	3063611	3163785
6.729		1143	750

RT A	Compound A	Height A	Area A
6.774		2418	4349
6.828		2505	3219
6.886		466	361
6.906		3351	5904

LANCASTER LABORATORIES

Sample Number: LCSA 5/21/17 ACF ABLCS30139 LCS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:17:13 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116016B.064.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.058		9763	8523
2.119		330742	210284
2.161		3987	2519
2.207		2089	1994
2.236		3014	2403
2.304		15789	11575
2.36		1927	2114
2.397		8739	6030
2.44		34515	22477
2.472		3593	7551
2.578		5202	3057
2.596		11193	5461
2.621	TCX	6505748	3929754
2.665		128140	100998
2.742		12129	6693
2.77		2742	2071
2.793		321517	229539
2.854		337533	223335
2.907		1686010	1059228
2.956		8110	5521
3.018		215333	145185
3.115		2285806	2195266
3.167		251337	162402
3.188		124186	72188
3.214		176514	100933
3.238		2286020	1501551
3.275		91912	55488
3.321		540159	289265
3.337		307973	148869
3.365		4520	2329
3.397		5069934	5075049
3.431		2508044	1668698
3.507		2663106	1675074
3.542		1822470	1117465
3.566		1968038	1110059
3.584		588493	295203
3.67		2355802	1494602
3.693		824626	452502
3.714		776340	458788
3.743		557900	284628
3.761		1994019	1193253
3.802		655247	478445
3.85		107669	102321
3.872		482843	297664
3.894		2714337	1753758
3.92		527828	314381
3.939		83495	41426
3.959		318822	201260
3.994		2187014	1505824
4.028		103055	62996
4.043		165973	107220
4.105		22654	20281
4.139		191851	223974
4.171		8768	4504

RT B	Compound B	Height B	Area B
4.196		595816	432077
4.239		561719	331439
4.257		575970	295176
4.27		1578243	870405
4.297		937386	921783
4.349		5380532	4069525
4.395		73730	72290
4.418		528334	353119
4.443		1104689	823847
4.486		6635450	4984705
4.588		5348411	5066062
4.641		648741	546150
4.68		1432778	1203597
4.716		7221603	5851840
4.748		3237995	2251152
4.787		2340934	1784866
4.863		113297	80112
4.886		707515	689023
4.937		4417557	3381429
4.961		554351	361645
5.011		2144810	1951367
5.047		1133576	882629
5.077		815182	669524
5.109		354460	217680
5.131		11042770	8871808
5.172		213399	168605
5.203		383812	297981
5.244		4605	2946
5.321		102265	66076
5.345		1993208	1632967
5.389		7194379	7568236
5.459		5656	3986
5.509		3381	1842
5.544		169353	155613
5.589		183739	136671
5.613		143374	100871
5.662		1194217	1011676
5.768		2771543	2286680
5.8		155742	120236
5.967		735387	646358
6.051		2276	4993
6.128	DCB	7364748	6662359
6.609		2682	3477
6.656		3405	6388
6.907		5135	7605
6.977		1875	1931

LCSA 5/21/17 ACF ABLCS30139 LCS 171390030A 10225 SW-846 8082

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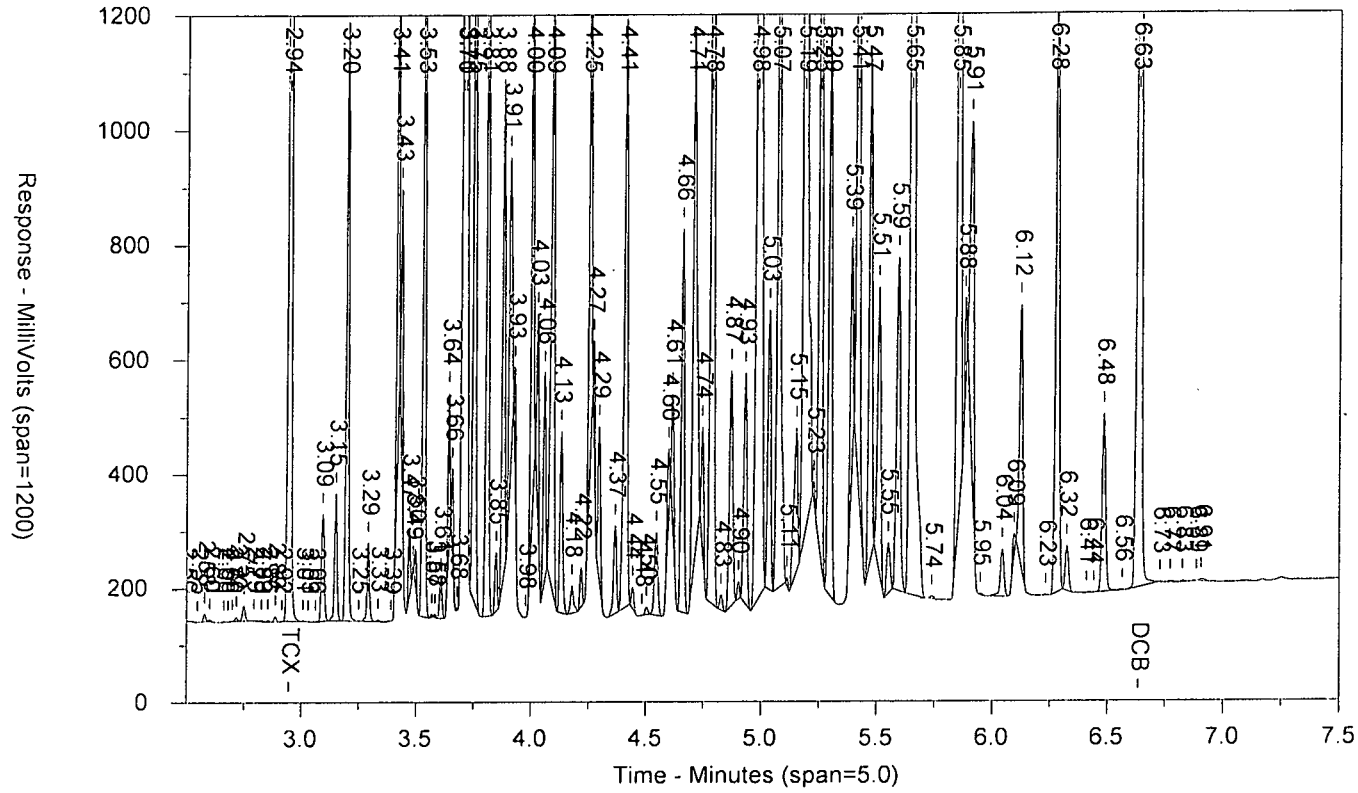

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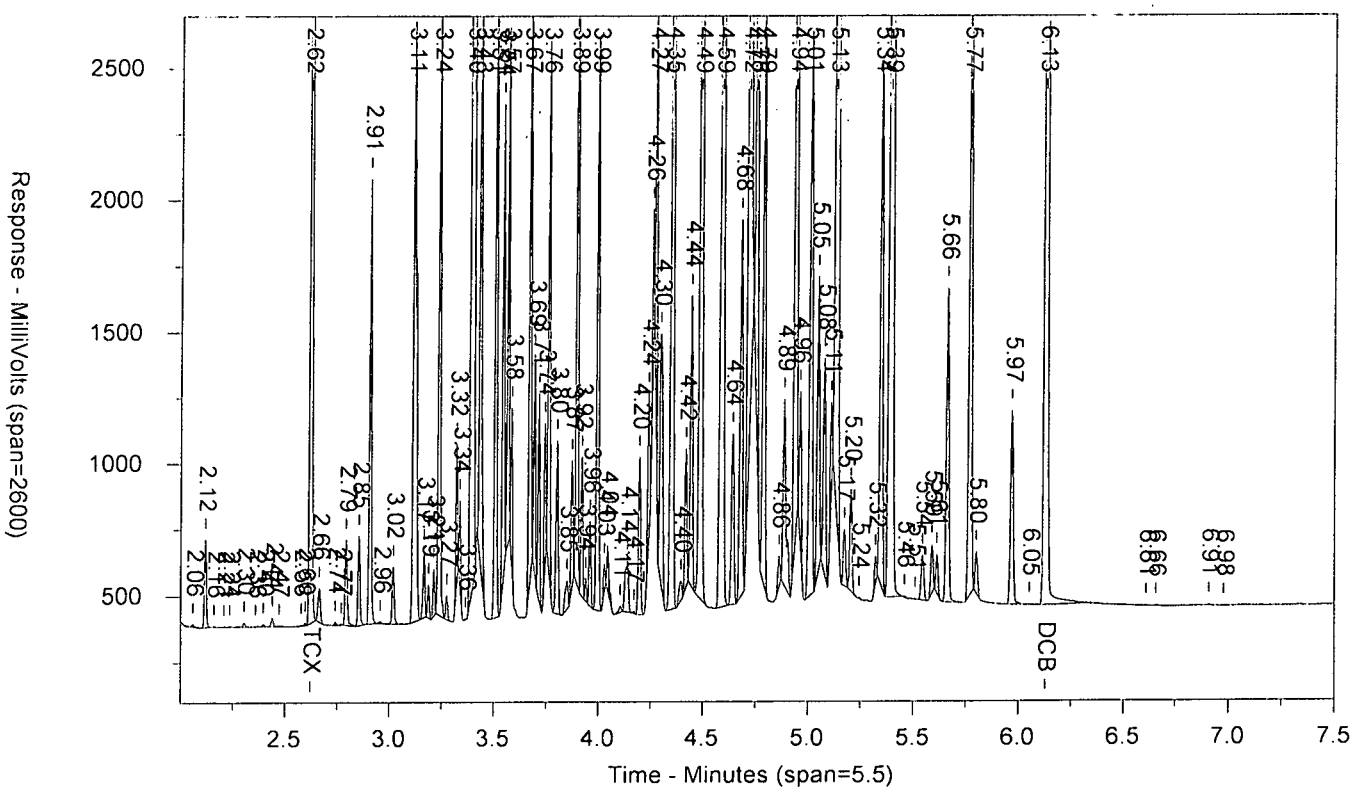


LANCASTER LABORATORIES

Sample Number: LCSA 5/21/17 ACF ABLCS30139 LCS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:17:13 AM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

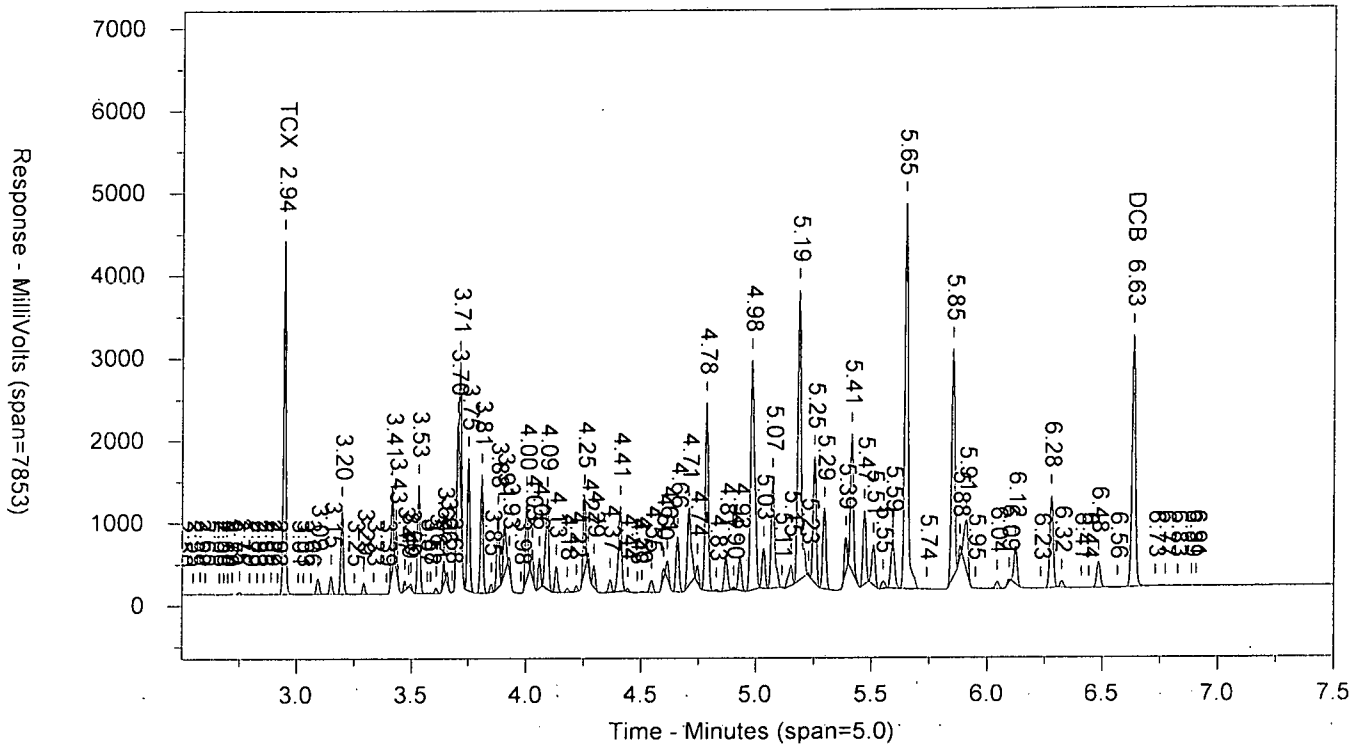
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.945	4303141	30.786	TCX	2.621	6505748	34.164	TCX
6.633	3063611	30.733	DCB	6.128	7364748	31.242	DCB

Files:
Area File: 25pcbs17116016.064.RAW
Area File: 25pcbs17116016B.064.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1711601.CAL
Calibration File B: 25PCBS1711601b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 5/22/2017 5:23:55 AM
File Reported On: 5/22/2017 at 5:25:59 AM

LCSA 5/21/17 ACF ABLCS30139 LCS 171390030A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.064.RAW



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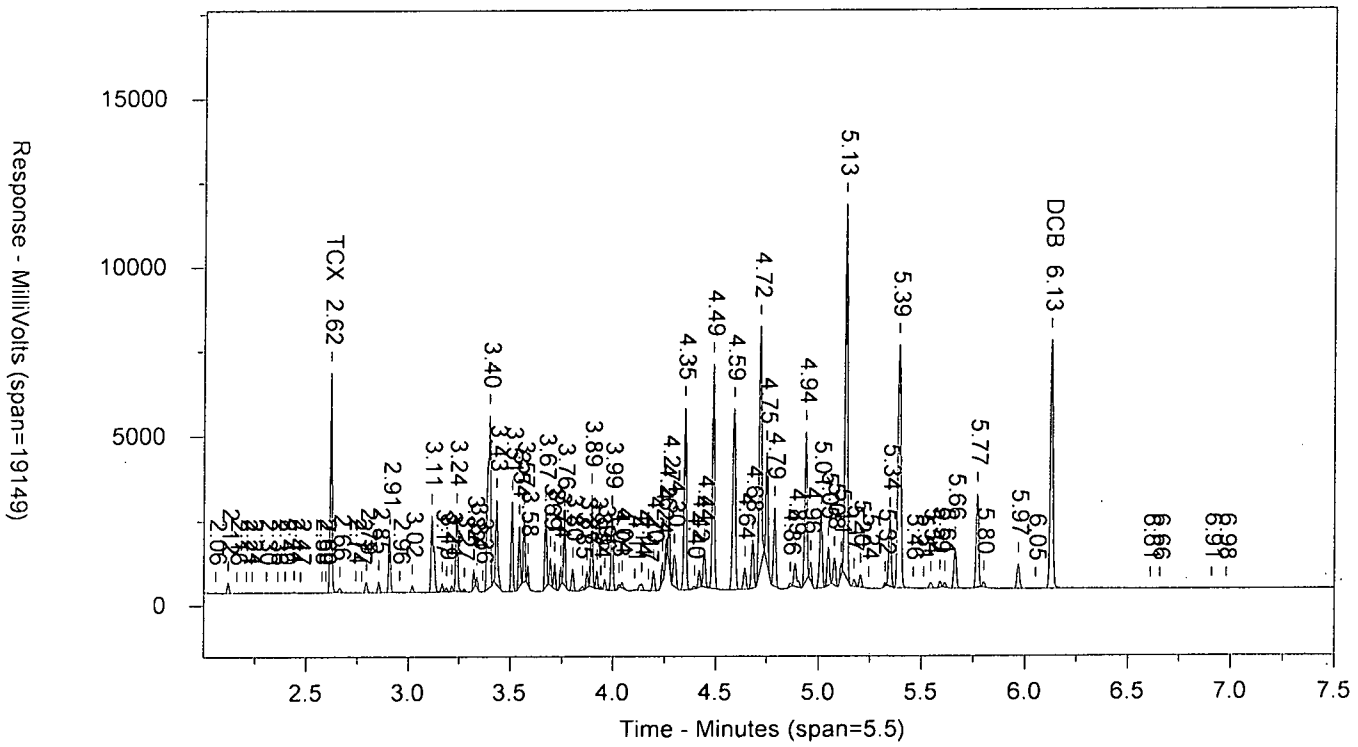

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 10217 Kate Lutte Reviewed by: [illegible] Start Date: 5/19/17 Start time: 17:00

171390002A

Tech 1: KW0217 Tech 2: SM7964

Dept: 24 Prep Analysis: 14248 PCB 10g Sonication Ext PCBs in Solids by 8082/3550

QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
8998315MS	A4601	10.49	SS1713724A	1.0	~~MS1713824A~~ (SA)	1.0	10	Z	Z	314A	grey soil
8998316MSD	A4601	10.16	SS1713724A	↓	~~MS1713824A~~ (SA)	↓	10	Z	Z	314A	↓
BLANKA	PBLK02139	10.0	SS1713724A	↓	—	—	10	Z	Z	Z	Na_2SO_4
LCSA	LCS02139	10.0	SS1713724A	↓	~~MS1713824A~~ (SA)	1.0	10	Z	Z	Z	↓

(SA) MS1712124B KW0217 5/19/17

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185042717A
Filter Paper	9760415
Hexane	172893
Sodium Sulfate	17136A

Spike Solutions: ~~MS1713824A~~ (SA) SS1713724A

Witness: NA

PCB SPIKE

SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	8998298	A4505	10.05	SS1713724A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Grey	10225	1869	05/30/2017	N
2	8998299	A4506	10.40	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
3	8998300	A4507	10.17	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	05/30/2017	N
4	8998301	A4508	10.12	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	05/30/2017	N
5	8998302	A4509	10.19	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
6	8998303	A4510	10.24	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
7	8998304	A4511	10.14	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/30/2017	N
8	8998305	A4512	10.47	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/30/2017	N
9	8998306	A4513	10.26	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	05/30/2017	N
10	8998307	A4514	10.19	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/30/2017	N
11	8998308	A4515	10.06	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	05/30/2017	N
12	8998309	A4516	10.38	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Brown	10225	1869	05/30/2017	N
13	8998310	A4517	10.50	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
14	8998311	A4518	10.19	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	05/30/2017	N
15	8998312	A4519	10.17	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	05/30/2017	N
16	8998313	A4520	10.35	SS1713724A	↓	10	Z	Z	314a	Soil;Gritty;Grey	10225	1869	05/30/2017	N
17	8998314BKG	A4601	10.38	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
18	8998317	A4602	10.48	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
19	8998318	A4603	10.43	SS1713724A	↓	10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N

Bench#	Bench#	Bench#			
Rack ID:		Work Station	Son. Hood 3	Micro Temp 100?	—
Internal Standard		Balance #	17609		

R-VAP ID —	C	R-VAP ID —	C	R-VAP ID —	C			
S-bath ID 6	98° C	S-bath ID —	C	N-Evap —	C	M-vap —	C	171390002A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
208998319	A4604	10.34	SS1713724A	1.0	10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Black	10225	1869	05/30/2017	N

NASM7964
5/20/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station		Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	C	S-bath ID	C	N-Evap	C	M-vap	C

171390002A

DF = Dilution Factor . FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 171390002A

Verified: VMT acids
Start Date: 5/20/17
Start Time: 15:15
Tech 1: SMT964
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998298		10	10				10225
2	8998299							10225
3	8998300							10225
4	8998301							10225
5	8998302							10225
6	8998303							10225
7	8998304							10225
8	8998305							10225
9	8998306							10225
10	8998307							10225
11	8998308							10225
12	8998309							10225
13	8998310							10225
14	8998311							10225
15	8998312							10225
16	8998313							10225
17	8998314							10225
18	8998315	MS						10225
19	8998316	MSD						10225
20	8998317							10225
21	8998318							10225
22	8998319							10225
23	BLANKA							
24	LCSA							

NAS M7964
5/20/17

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	~~160~~ 166942
			(4) SMT964
			5/20/17

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 171390002A

Verified: Not 9065
Start Date: 5/20/17
Start Time: 16:55
Tech 1: SM7964
Tech 2:

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998298		2	2				10225
2	8998299							10225
3	8998300							10225
4	8998301							10225
5	8998302							10225
6	8998303							10225
7	8998304							10225
8	8998305							10225
9	8998306							10225
10	8998307							10225
11	8998308							10225
12	8998309							10225
13	8998310							10225
14	8998311							10225
15	8998312							10225
16	8998313							10225
17	8998314							10225
18	8998315	MS						10225
19	8998316	MSD						10225
20	8998317							10225
21	8998318							10225
22	8998319							10225
23	BLANKA							
24	LCSA							

NA SM7964
5/20/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011-CE

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Prep-Process Worksheet

Copper
Prep: 14248 PCB 10g Sonication Ext
Batch No: 171390002A

Verified: [illegible]
Start Date: 5/20/17
Start Time: 15:45
Tech 1: SM7964
Tech 2:

Sample #		QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998298		2	2				10225
2	8998299							10225
3	8998300							10225
4	8998301							10225
5	8998302							10225
6	8998303							10225
7	8998304							10225
8	8998305							10225
9	8998306							10225
10	8998307							10225
11	8998308							10225
12	8998309							10225
13	8998310							10225
14	8998311							10225
15	8998312							10225
16	8998313							10225
17	8998314							10225
18	8998315	MS						10225
19	8998316.	MSD						10225
20	8998317							10225
21	8998318							10225
22	8998319							10225
23	BLANKA							
24	LCSA							

NASM7964
5/20/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Cu	617060-BC

Organic Extraction Batchlog Assigned to: 9874 Kayla Yuditsky Reviewed by: KMT 9065 Start Date: 5/21/17 Start time: 8:00

171390030A Tech 1: Ky 9874 Tech 2:

Dept: 24 Prep Analysis: 14248 PCB 10g Sonication Ext PCBs in Solids by 8082/3550

QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
8998333MS	A4701	10.25	SS1713724A	1.0	MS1712124B	1.0	10	Z	Z	314A	Soil, gritty
8998334MSD	A4701	10.07	SS1713724A		MS1712124B	1.0	10	Z	Z	314A	↓
BLANKA	PBLK30139	10.0	SS1713724A		—		10	Z	Z	Z	Na_2SO_4
LCSA	LCS30139	10.0	SS1713724A	↓	MS1712124B	1.0	10	Z	Z		↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185042717A
Filter Paper	9762804
Hexane	172893
Sodium Sulfate	17138A

Spike Solutions: Witness:
MS1712124B PCB SPIKE
SS1713724A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	8998320	A4605	10.42	SS1713724A	1.0	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	05/30/2017	N
2	8998321	A4606	10.35	SS1713724A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	05/30/2017	N
3	8998322	A4607	10.38	SS1713724A		10	Z	Z	314a	Soil;Gritty;Rocks;Brown	10225	1869	05/30/2017	N
4	8998323	A4608	10.13	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Grey	10225	1869	05/30/2017	N
5	8998324	A4609	10.48	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Grey	10225	1869	05/30/2017	N
6	8998325	A4610	10.27	SS1713724A		10	Z	Z	314A	Soil;Metals Pieces;Rocks;Grey	10225	1869	05/30/2017	N
7	8998326	A4611	10.50	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	05/30/2017	N
8	8998327	A4612	10.22	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	05/30/2017	N
9	8998328	A4613	10.13	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	05/30/2017	N
10	8998329	A4614	10.38	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	05/30/2017	N
11	8998330	A4615	10.45	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	05/30/2017	N
12	8998331	A4616	10.35	SS1713724A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Grey;Brown	10225	1869	05/30/2017	N
13	8998332BKG	A4701	10.36	SS1713724A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Brown	10225	1869	05/30/2017	N
14	8998335	A4702	10.22	SS1713724A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	05/30/2017	N
15	8998336	A4703	10.13	SS1713724A		10	Z	Z	314A	Soil;Gritty;Sandy;Grey	10225	1869	05/30/2017	N
16	8998337	A4704	10.29	SS1713724A		10	Z	Z	314A	Soil;Gritty;Grey	10225	1869	05/30/2017	N
17	8998338	A4705	10.33	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	05/30/2017	N
18	8998339	A4706	10.21	SS1713724A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	05/30/2017	N
19	8998340	A4707	10.16	SS1713724A		10	Z	Z	314A	Soil;Gritty;Wet;Rocks;Grey	10225	1869	05/30/2017	N

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Bench#	Bench#	Bench#		
Rack ID:		Work Station	Sonhood3	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C			
S-bath ID 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C	171390030A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt	SS/S Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
208998342	A4709	10.24	SS1713724A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Orange	10225	1869	05/30/2017	N

N/A

Kirby B. Turner
Associate Chemist

MAY 22 2017

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Son hood 3	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID b	98 C	S-bath ID	C	N-Evap	C	M-vap	C

171390030A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 171390030A

Verified: MPT 8065
Start Date: 5/21/17
Start Time: 11:00
Tech 1: Ky 9874
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998320		10	10				10225
2	8998321							10225
3	8998322							10225
4	8998323							10225
5	8998324							10225
6	8998325							10225
7	8998326							10225
8	8998327							10225
9	8998328							10225
10	8998329							10225
11	8998330							10225
12	8998331							10225
13	8998332							10225
14	8998333	MS						10225
15	8998334	MSD						10225
16	8998335							10225
17	8998336							10225
18	8998337							10225
19	8998338							10225
20	8998339							10225
21	8998340							10225
22	8998342							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 22 2017

N/A

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Sulfuric acid	166942

Prep-Process Worksheet

Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch: 171390030A

Verified: KBT 0065
Start Date: 5/21/17
Start Time: 11:15
Tech 1: Ky 9874
Tech 2:

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998320		2	2				10225
2	8998321							10225
3	8998322							10225
4	8998323							10225
5	8998324							10225
6	8998325							10225
7	8998326							10225
8	8998327							10225
9	8998328							10225
10	8998329							10225
11	8998330							10225
12	8998331							10225
13	8998332							10225
14	8998333	MS						10225
15	8998334	MSD						10225
16	8998335							10225
17	8998336							10225
18	8998337							10225
19	8998338							10225
20	8998339							10225
21	8998340							10225
22	8998342							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 22 2017

N/A

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011CE

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Prep-Process Worksheet

Copper
Prep: 14248 PCB 10g Sonication Ext
Batch No: 171390030A

Verified: MAT 9065
Start Date: 5/21/17
Start Time: 11:45
Tech 1: Ky 9874
Tech 2:

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8998320		2	2				10225
2	8998321							10225
3	8998322							10225
4	8998323							10225
5	8998324							10225
6	8998325							10225
7	8998326							10225
8	8998327							10225
9	8998328							10225
10	8998329							10225
11	8998330							10225
12	8998331							10225
13	8998332							10225
14	8998333	MS						10225
15	8998334	MSD						10225
16	8998335							10225
17	8998336							10225
18	8998337							10225
19	8998338							10225
20	8998339							10225
21	8998340							10225
22	8998342							10225
23	BLANKA							
24	LCSA							

Kirby B. Turner
Associate Chemist

MAY 22 2017

N/A

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	617040BC

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATE46

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
8998314	A4601BKG
8998315	A4601MS
8998316	A4601MSD
8998317	A4602FD
8998318	A4603
8998319	A4604
8998320	A4605
8998321	A4606
8998322	A4607
8998323	A4608
8998324	A4609
8998325	A4610
8998326	A4611
8998327	A4612
8998328	A4613
8998329	A4614
8998330	A4615
8998331	A4616

COMMENTS:

Method defined actions are taken for any failed matrix QC.

Laboratory Compliance Quality Control

Analysis Name	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17143820005A	Sample number(s):		8998314-8998331		
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 17143820005A	Sample number(s):		8998314-8998331	
Moisture	7.1	7.1	0	5
Moisture	7.1	7.1	0	5
Moisture Duplicate	7.1	7.1	0	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

eurofins | Lancaster Laboratories Environmental

CLIENT: **Stantec**
SDG: ATE46

MOISTURE

Moisture Data Report

Batch #: **17143820005**

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
8998314BKG	A	00111	1.1318	5.4276	6.1746	7.09	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998315MS	A	00118				7.09	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998316MSD	A	00118				7.09	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998316MSD	A	00121	1.1179	5.5003	6.2288	7.08	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998317FD	A	00111	1.1241	5.5260	6.2106	7.95	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998318	A	00111	1.1307	5.3616	6.1237	6.87	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998319	A	00111	1.1316	5.9659	6.5948	8.43	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998320	A	00111	1.1295	5.4002	6.2198	5.74	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998321	A	00111	1.1331	5.4827	5.7367	16.03	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998322	A	00111	1.1234	6.5905	7.4210	4.44	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998323	A	00111	1.1298	5.8217	6.7435	3.57	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998324	A	00111	1.1333	5.3093	6.2794	3.07	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998325	A	00111	1.1100	5.9715	6.8428	4.00	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998326	A	00111	1.1239	5.4879	6.1841	7.79	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998327	A	00111	1.1222	5.7380	6.3840	8.30	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998328	A	00111	1.1492	5.6780	6.1381	12.14	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998329	A	00111	1.1482	5.1729	5.9144	7.86	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998330	A	00111	1.1479	5.1070	5.7179	10.51	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998331	A	00111	1.1242	5.1875	5.8263	9.36	5/23/17 (835/LEB)	5/24/17 (236/CW)
LCS 89.5% Std.		00111	1.1347	5.0860	1.6765	89.35	5/23/17 (835/LEB)	5/24/17 (236/CW)