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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

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

SDG# ATE47

GROUP	SAMPLE NUMBERS
1802526	8998332-8998342

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 ATE47
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
8998332	F-15(0.0-0.3)	05/15/2017 16:05	05/17/2017 18:30
8998333	F-15(0.0-0.3)MS	05/15/2017 16:05	05/17/2017 18:30
8998334	F-15(0.0-0.3)MSD	05/15/2017 16:05	05/17/2017 18:30
8998335	DUP-5	05/15/2017 16:05	05/17/2017 18:30
8998336	G-12(0.0-0.3)	05/15/2017 16:20	05/17/2017 18:30
8998337	G-13(0.0-0.3)	05/15/2017 16:22	05/17/2017 18:30
8998338	G-14(0.0-0.3)	05/15/2017 16:23	05/17/2017 18:30
8998339	G-15(0.0-0.3)	05/15/2017 16:24	05/17/2017 18:30
8998340	D-16(0.0-0.3)	05/15/2017 16:26	05/17/2017 18:30
8998341	EB-20170515	05/15/2017 16:40	05/17/2017 18:30
8998342	E-11(1.5-1.8)	05/17/2017 09:35	05/17/2017 18:30

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10227 PCBs in Water

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.

11117 PCB Waters Extraction

The sample is solvent extracted and exchanged to hexane. Florisil cleanup is 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 Wastes, SW-846 Method 3510C, Rev 3, December 1996

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: 1802526
SDG: ATE47
PO Number: 213402048
State of Sample Origin: DE

Client Sample Description	Lancaster Labs (LL) #
F-15(0.0-0.3) Grab Soil	8998332
F-15(0.0-0.3)MS Grab Soil	8998333
F-15(0.0-0.3)MSD Grab Soil	8998334
DUP-5 Grab Soil	8998335
G-12(0.0-0.3) Grab Soil	8998336
G-13(0.0-0.3) Grab Soil	8998337
G-14(0.0-0.3) Grab Soil	8998338
G-15(0.0-0.3) Grab Soil	8998339
D-16(0.0-0.3) Grab Soil	8998340
EB-20170515 Grab Water	8998341
E-11(1.5-1.8) Grab Soil	8998342

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: F-15(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998332
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

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

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4701 SDG#: ATE47-01BKG

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	< 5.9	5.9	100
10225	PCB-1221	11104-28-2	< 5.9	5.9	100
10225	PCB-1232	11141-16-5	< 5.9	5.9	100
10225	PCB-1242	53469-21-9	< 5.9	5.9	100
10225	PCB-1248	12672-29-6	< 5.9	5.9	100
10225	PCB-1254	11097-69-1	< 5.9	5.9	100
10225	PCB-1260	11096-82-5	25	5.9	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	16.9	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 17:04	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998333
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

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

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4701 SDG#: ATE47-01MS

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	< 6.0	6.0	100
10225	PCB-1221	11104-28-2	< 6.0	6.0	100
10225	PCB-1232	11141-16-5	< 6.0	6.0	100
10225	PCB-1242	53469-21-9	< 6.0	6.0	100
10225	PCB-1248	12672-29-6	< 6.0	6.0	100
10225	PCB-1254	11097-69-1	< 6.0	6.0	100
10225	PCB-1260	11096-82-5	22	6.0	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	16.9	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	171390030A	05/22/2017 17:15	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00118	Moisture	SM 2540 G-1997	1	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998334
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

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

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4701 SDG#: ATE47-01MSD

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	< 6.1	6.1	100
10225	PCB-1221	11104-28-2	< 6.1	6.1	100
10225	PCB-1232	11141-16-5	< 6.1	6.1	100
10225	PCB-1242	53469-21-9	< 6.1	6.1	100
10225	PCB-1248	12672-29-6	< 6.1	6.1	100
10225	PCB-1254	11097-69-1	< 6.1	6.1	100
10225	PCB-1260	11096-82-5	29	6.1	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00118	Moisture	n.a.	16.9	0.50	1
00121	Moisture Duplicate	n.a.	15.6	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	171390030A	05/22/2017 17:27	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	171390030A	05/21/2017 08:00	Kayla A Yuditsky	1
00118	Moisture	SM 2540 G-1997	1	17143820006A	05/23/2017 13:00	Larry E Bevins	1
00121	Moisture Duplicate	SM 2540 G-1997	1	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

Sample Description: DUP-5 Grab Soil
Amtrak Wilmington

LL Sample # SW 8998335
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

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

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
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West Chester PA 19380

A4702 SDG#: ATE47-02FD

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	< 5.2	5.2	100
10225	PCB-1221	11104-28-2	< 5.2	5.2	100
10225	PCB-1232	11141-16-5	< 5.2	5.2	100
10225	PCB-1242	53469-21-9	< 5.2	5.2	100
10225	PCB-1248	12672-29-6	< 5.2	5.2	100
10225	PCB-1254	11097-69-1	< 5.2	5.2	100
10225	PCB-1260	11096-82-5	19	5.2	100
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	3.9	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 10:01	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998336
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:20 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4703 SDG#: ATE47-03

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	< 0.29	0.29	5
10225	PCB-1221	11104-28-2	< 0.29	0.29	5
10225	PCB-1232	11141-16-5	< 0.29	0.29	5
10225	PCB-1242	53469-21-9	< 0.29	0.29	5
10225	PCB-1248	12672-29-6	< 0.29	0.29	5
10225	PCB-1254	11097-69-1	< 0.29	0.29	5
10225	PCB-1260	11096-82-5	0.40	0.29	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	13.3	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 10:12	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998337
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:22 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4704 SDG#: ATE47-04

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	< 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	6.4	1.1	20
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	171390030A	05/22/2017 10:24	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998338
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:23 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4705 SDG#: ATE47-05

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	< 2.6	2.6	50
10225	PCB-1221	11104-28-2	< 2.6	2.6	50
10225	PCB-1232	11141-16-5	< 2.6	2.6	50
10225	PCB-1242	53469-21-9	< 2.6	2.6	50
10225	PCB-1248	12672-29-6	< 2.6	2.6	50
10225	PCB-1254	11097-69-1	< 2.6	2.6	50
10225	PCB-1260	11096-82-5	9.5	2.6	50
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	6.2	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 10:35	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

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

LL Sample # SW 8998339
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:24 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4706 SDG#: ATE47-06

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	< 2.6	2.6	50
10225	PCB-1221	11104-28-2	< 2.6	2.6	50
10225	PCB-1232	11141-16-5	< 2.6	2.6	50
10225	PCB-1242	53469-21-9	< 2.6	2.6	50
10225	PCB-1248	12672-29-6	< 2.6	2.6	50
10225	PCB-1254	11097-69-1	< 2.6	2.6	50
10225	PCB-1260	11096-82-5	13	2.6	50
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 10:46	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

Sample Description: D-16(0.0-0.3) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998340
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:26 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4707 SDG#: ATE47-07

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	< 0.28	0.28	5
10225	PCB-1221	11104-28-2	< 0.28	0.28	5
10225	PCB-1232	11141-16-5	< 0.28	0.28	5
10225	PCB-1242	53469-21-9	< 0.28	0.28	5
10225	PCB-1248	12672-29-6	< 0.28	0.28	5
10225	PCB-1254	11097-69-1	< 0.28	0.28	5
10225	PCB-1260	11096-82-5	1.1	0.28	5
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	11.6	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 10:58	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

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Analysis Report

Sample Description: EB-20170515 Grab Water
Amtrak Wilmington

LL Sample # WW 8998341
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/15/2017 16:40 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4708 SDG#: ATE47-08EB

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		ug/l	ug/l	
10227	PCB-1016	12674-11-2	< 0.40	0.40	1
10227	PCB-1221	11104-28-2	< 0.40	0.40	1
10227	PCB-1232	11141-16-5	< 0.40	0.40	1
10227	PCB-1242	53469-21-9	< 0.40	0.40	1
10227	PCB-1248	12672-29-6	< 0.40	0.40	1
10227	PCB-1254	11097-69-1	< 0.40	0.40	1
10227	PCB-1260	11096-82-5	< 0.40	0.40	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
10227	PCBs in Water	SW-846 8082	1	171380019A	05/20/2017 16:56	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	171380019A	05/18/2017 22:10	Karen L Beyer	1

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Analysis Report

Sample Description: E-11(1.5-1.8) Grab Soil
Amtrak Wilmington

LL Sample # SW 8998342
LL Group # 1802526
Account # 11289

Project Name: Amtrak Wilmington

Collected: 05/17/2017 09:35 by JZ

Submitted: 05/17/2017 18:30
Reported: 05/25/2017 11:16

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

A4709 SDG#: ATE47-09

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	< 0.053	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	0.058	0.053	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	Moisture	n.a.	5.8	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 11:09	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	17143820006A	05/23/2017 13:00	Larry E Bevins	1

Quality Control Summary

Client Name: Stantec
Reported: 05/25/2017 11:16

Group Number: 1802526

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	LOQ
	mg/kg	mg/kg
Batch number: 171390030A	Sample number(s): 8998332-8998340,8998342	
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
	ug/l	ug/l
Batch number: 171380019A	Sample number(s): 8998341	
PCB-1016	< 0.40	0.40
PCB-1221	< 0.40	0.40
PCB-1232	< 0.40	0.40
PCB-1242	< 0.40	0.40
PCB-1248	< 0.40	0.40
PCB-1254	< 0.40	0.40
PCB-1260	< 0.40	0.40

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 171390030A	Sample number(s): 8998332-8998340,8998342								
PCB-1016	0.501	0.527			105		80-121		
PCB-1260	0.504	0.541			107		84-125		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171380019A	Sample number(s): 8998341								
PCB-1016	5.01	3.82	5.01	3.28	76	65	60-117	15	30
PCB-1260	5.04	3.16	5.04	3.67	63	73	57-134	15	30
	%	%	%	%					
Batch number: 17143820006A	Sample number(s): 8998332-8998340,8998342								
Moisture	89.5	89.38			100		99-101		
Moisture	89.5	89.38			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 11:16

Group Number: 1802526

LCS/LCSD (continued)

Analysis Name	LCS Spike Added %	LCS Conc %	LCSD Spike Added %	LCSD Conc %	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Moisture Duplicate	89.5	89.38			100		99-101		

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: 171390030A	Sample number(s): 8998332-8998340,8998342 UNSPK: 8998332									
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: 17143820006A	Sample number(s): 8998332-8998340,8998342 BKG: 8998332, P998332			
Moisture	16.88	15.61	8*	5
Moisture	16.88	15.61	8*	5
Moisture Duplicate	16.88	15.61	8*	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 Water
Batch number: 171380019A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8998341	106	88
Blank	97	81
LCS	92	41
LCSD	72	91

*- 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 11:16

Group Number: 1802526

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 Water
Batch number: 171380019A

Limits:	33-137	10-148

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

	Tetrachloro-m-xylene	Decachlorobiphenyl
8998332	115	165*
8998333	113	150
8998334	119	166*
8998335	100	145
8998336	101	110
8998337	101	121
8998338	105	143
8998339	96	128
8998340	101	114
8998342	105	106
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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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1802526 Sample # 8998332-42

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 ☐

Matrix

Tissue ☐ Ground ☐ Surface ☐

Sediment ☐ Potable ☐ NPDES ☐

Soil ☒ Water

Other: ____

Analysis Requested

Preservation Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Sediment	Water	Other	Total # of Containers	PCBs 3550B
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								

Preservation Codes

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

Remarks

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	1837			
			[signature]	5/17/17	1838

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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The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7044 0216

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1802526 Sample # 8998332-42

COC # 528912 11 of 11

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zelbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#:

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	Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐	Other:	Total # of Containers	PCBs 3550B
F-15 (0.0-0.3) MSD	5-15-17	1605	X		X			1	X
DUP-5		1605							
G-12 (0.0-0.3)		1620							
G-13 (0.0-0.3)		1622							
G-14 (0.0-0.3)		1623							
G-15 (0.0-0.3)		1624							
D-16 (0.0-0.3)		1626							
EB-20170515		1640							
E-11 (1.5-1.8)	5-17-17	935	X		X			1	X

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5-17-17	1215	[signature]	5/17/17	1215
[signature]	5/17/17	1230			
			[signature]	5/17/17	1830

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

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 1.5-2.0

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Sample Administration Receipt Documentation Log

Doc Log ID: 183962

Group Number(s): 1802526

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 17601-2022
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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.

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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: ATE47

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

PCBs in Solids by 8082/3550

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
8998332	F-15(0.0-0.3)		X	100	Unspiked
8998333	F-15(0.0-0.3)MS		X	100	Matrix Spike
8998334	F-15(0.0-0.3)MSD		X	100	Matrix Spike Duplicate
8998335	DUP-5		X	100	Field Duplicate Sample
8998336	G-12(0.0-0.3)		X	5	
8998337	G-13(0.0-0.3)		X	20	
8998338	G-14(0.0-0.3)		X	50	
8998339	G-15(0.0-0.3)		X	50	
8998340	D-16(0.0-0.3)		X	5	
8998341	EB-20170515	X		1	Equipment Blank
8998342	E-11(1.5-1.8)		X	1	

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): 8998341: Analysis: 10227)
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 are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

(Sample number(s): 8998332-8998340, 8998342: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one

Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATE47

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

column and within criteria on the second column affected analytes 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#: 171390030A (Sample number(s): 8998332-8998340, 8998342, UNSPK: 8998332)
The recovery(ies) for the following analyte(s) in the MS were below the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MSD exceeded the acceptance window indicating a positive bias:PCB-1260
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1016

Surrogate

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

Batch#: 171390030A (Sample number(s): 8998332-8998340, 8998342, UNSPK: 8998332)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window:
Decachlorobiphenyl (8998332 UNSPK, 8998334)

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

Quality Control and Calibration Summary Forms

Polychlorinated Biphenyls (PCBs)

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Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ATE47

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	171390030A	PBLK30139	05/22/2017 05:05:00
		LCS30139	05/22/2017 05:17:00
		8998332 UNSPK	05/22/2017 17:04:00
		8998333 MS	05/22/2017 17:15:00
		8998334 MSD	05/22/2017 17:27:00
		8998335	05/22/2017 10:01:00
		8998336	05/22/2017 10:12:00
		8998337	05/22/2017 10:24:00
		8998338	05/22/2017 10:35:00
		8998339	05/22/2017 10:46:00
		8998340	05/22/2017 10:58:00
		8998342	05/22/2017 11:09:00
PCBs in Water	171380019A	PBLK19138	05/20/2017 15:25:00
		LCS19138	05/20/2017 15:36:00
		LCSD19138	05/20/2017 15:47:00
		8998341	05/20/2017 16:56:00

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE47
Matrix: LIQUID

Fraction: Polychlorinated Biphenyls (PCBs)

171380019A / PBLK19138 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	05/20/17	N.D.	ug/l	0.080	0.40
PCB-1221	05/20/17	N.D.	ug/l	0.080	0.40
PCB-1232	05/20/17	N.D.	ug/l	0.16	0.40
PCB-1242	05/20/17	N.D.	ug/l	0.080	0.40
PCB-1248	05/20/17	N.D.	ug/l	0.080	0.40
PCB-1254	05/20/17	N.D.	ug/l	0.080	0.40
PCB-1260	05/20/17	N.D.	ug/l	0.12	0.40

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATE47
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

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: ATE47
Matrix: LIQUID

Fraction: Polychlorinated Biphenyls (PCBs)

171380019A	**Decachlorobiphenyl**		**Tetrachloro-m-xylene**	
	Spike Added	0.293 ug/l	**Spike Added**	0.292 ug/l
Sample	**% Recovery**	**Limits**	**% Recovery**	**Limits**
PBLK19138	81	10 - 148	97	33 - 137
LCS19138	41	10 - 148	92	33 - 137
LCSD19138	91	10 - 148	72	33 - 137
8998341	88	10 - 148	106	33 - 137

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATE47
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

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
8998332 UNSPK	165 *	48 - 164	115	61 - 152
8998333 MS	150	48 - 164	113	61 - 152
8998334 MSD	166 *	48 - 164	119	61 - 152
8998335	145	48 - 164	100	61 - 152
8998336	110	48 - 164	101	61 - 152
8998337	121	48 - 164	101	61 - 152
8998338	143	48 - 164	105	61 - 152
8998339	128	48 - 164	96	61 - 152
8998340	114	48 - 164	101	61 - 152
8998342	106	48 - 164	105	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: ATE47
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 8998332 MS: 8998333 MSD: 8998334 **Analyte**	Batch: **171390030A** (Sample number(s): 8998332-8998340, 8998342)								
	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	0.488 / 0.497	N.D.	N.D.	N.D.	0 *	0 *	80-121	0	50
PCB-1260	0.492 / 0.501	20.71	17.99	24.1	-550 (2)	677 (2)	84-125	29	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: ATE47
Matrix: LIQUID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS19138 LCSD: LCSD19138	Batch: **171380019A** (Sample number(s): 8998341)							
Analyte	**Spike Added ug/l**	**LCS Conc ug/l**	**LCSD Conc ug/l**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	5.01	3.82	3.28	76	65	60-117	15	30
PCB-1260	5.04	3.16	3.67	63	73	57-134	15	30

Lancaster Laboratories Environmental

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

SDG: ATE47
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS30139	Batch: **171390030A** (Sample number(s): 8998332-8998340, 8998342)							
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

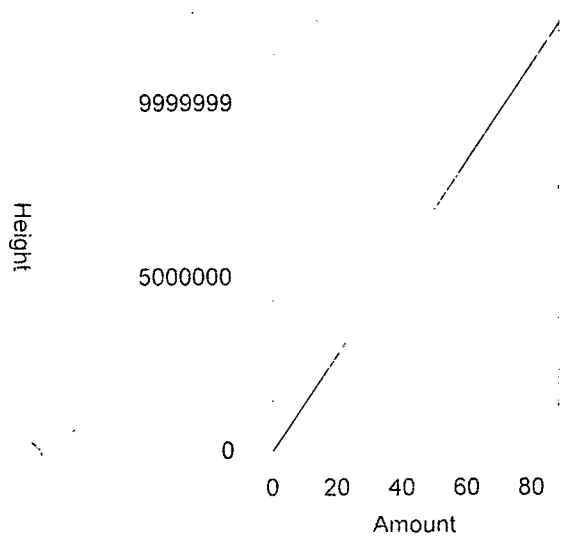
Creator:
Description:
Reason for change:

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

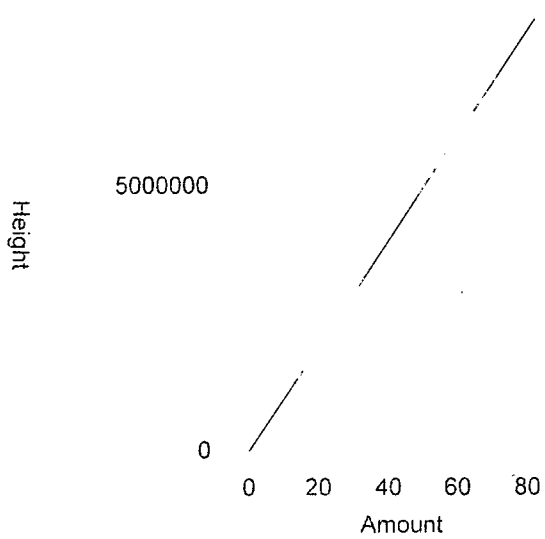
Single peak quantification by height

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.B\
2	20.04	2693565	134409.4	-3.838	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.008.B\
3	40.08	5584748	139340	-0.310	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.009.B\
4	60.92	8685794	142577.1	2.005	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.010.B\
5	80.16	1.124601E+07	140294.5	0.372	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.011.B\

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 LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW 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

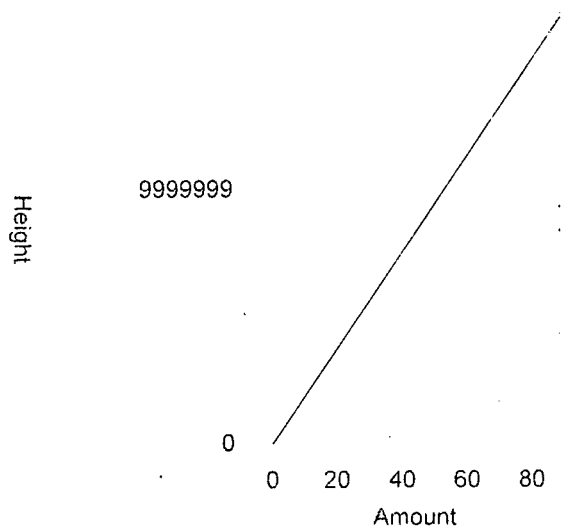
Creator:
Description:
Reason for change:

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

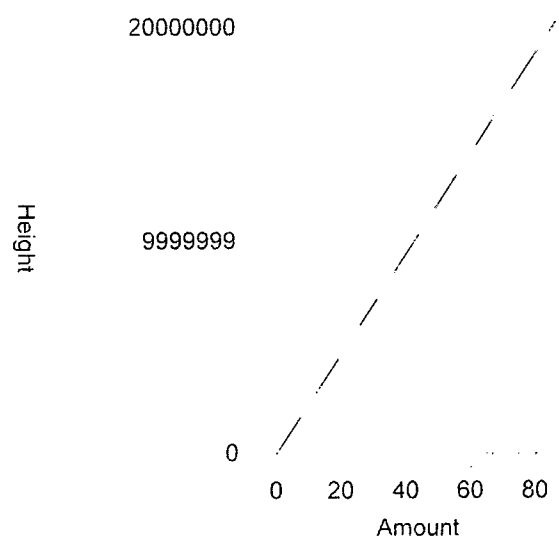
Single peak quantification by height

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.(

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.92	2.92	2.92	2.92	2.92	2.92	2.89	2.95
Decachlorobiphenyl	6.61	6.61	6.61	6.61	6.61	6.61	6.58	6.64

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	1.10E+05	1.13E+05	1.14E+05	1.16E+05	1.16E+05	1.14E+05	2
Decachlorobiphenyl	7.29E+04	6.92E+04	6.43E+04	6.84E+04	6.93E+04	6.88E+04	4

Average % RSD: 3

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.18	3.16	3.20	2306	2052	1	50.01	115327	9
					2149		2	100.02	214919	
					2049		3	200.04	409975	
					1904		4	500.1	952439	
					1851		5	1000.2	1850936	
	2	3.39	3.37	3.41	2406	2095	1	50.01	120312	10
					2147		2	100.02	214700	
					2084		3	200.04	416894	
					1887		4	500.1	943890	
					1952		5	1000.2	1952608	
	3	3.51	3.49	3.53	2634	2359	1	50.01	131734	8
					2422		2	100.02	242210	
					2378		3	200.04	475744	
					2245		4	500.1	1122490	
					2116		5	1000.2	2116157	
	4	3.73	3.71	3.75	2832	2613	1	50.01	141614	6
					2692		2	100.02	269286	
					2499		3	200.04	499852	
					2565		4	500.1	1282676	
					2480		5	1000.2	2480108	
	5	3.78	3.76	3.80	2304	2138	1	50.01	115235	5
					2063		2	100.02	206316	
					2097		3	200.04	419475	
					2146		4	500.1	1073439	
					2078		5	1000.2	2078035	
	6	3.98	3.96	4.00	1862	1714	1	50.01	93099	6
					1749		2	100.02	174917	
					1695		3	200.04	339155	
					1625		4	500.1	812490	
					1639		5	1000.2	1639692	
Aroclor-1221	1	3.08	3.06	3.10	983	983	1	200.1	196682	0
	2	3.13	3.11	3.15	850	850	1	200.1	170034	0
	3	3.18	3.16	3.20	2745	2745	1	200.1	549305	0
Aroclor-1232	1	3.18	3.16	3.20	2462	2462	1	200.6	493963	0
	2	3.40	3.38	3.42	991	991	1	200.6	198764	0
	3	3.51	3.49	3.53	1087	1087	1	200.6	218093	0
	4	3.73	3.71	3.75	1179	1179	1	200.6	236587	0
	5	3.79	3.77	3.81	925	925	1	200.6	185481	0
	6	3.98	3.96	4.00	715	715	1	200.6	143380	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.18	3.16	3.20	1758	1758	1	200	351560	0
	2	3.40	3.38	3.42	1736	1736	1	200	347157	0
	3	3.51	3.49	3.53	1901	1901	1	200	380135	0
	4	3.73	3.71	3.75	2138	2138	1	200	427632	0
	5	3.79	3.77	3.81	1674	1674	1	200	334814	0
	6	3.98	3.96	4.00	1369	1369	1	200	273708	0
Aroclor-1248	1	3.78	3.76	3.80	1282	1161	1	50.16	64312	6
					1183		2	100.32	118635	
					1125		3	200.64	225668	
					1116		4	501.6	559879	
					1097		5	1003.2	1100756	
	2	3.85	3.83	3.87	2405	2111	1	50.16	120639	10
					2249		2	100.32	225584	
					2048		3	200.64	411007	
					1936		4	501.6	971043	
					1915		5	1003.2	1921107	
	3	3.98	3.96	4.00	2682	2486	1	50.16	134537	7
					2635		2	100.32	264307	
					2430		3	200.64	487480	
					2304		4	501.6	1155522	
					2378		5	1003.2	2385746	
	4	4.07	4.05	4.09	2214	2066	1	50.16	111038	5
					2147		2	100.32	215342	
					2007		3	200.64	402590	
					2002		4	501.6	1004437	
					1962		5	1003.2	1968562	
	5	4.25	4.23	4.27	2508	2448	1	50.16	125818	3
					2554		2	100.32	256218	
					2351		3	200.64	471790	
					2445		4	501.6	1226616	
					2380		5	1003.2	2387278	
	6	4.63	4.61	4.65	1934	1794	1	50.16	96997	5
					1829		2	100.32	183459	
					1776		3	200.64	356304	
					1712		4	501.6	858936	
					1721		5	1003.2	1726522	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.23	4.21	4.25	3160	2886	1	50.3	158940	7
					3033		2	100.6	305110	
					2743		3	251.5	689965	
					2779		4	503	1397875	
					2715		5	1006	2731089	
	2	4.57	4.55	4.59	3132	2900	1	50.3	157523	5
					2830		2	100.6	284736	
					2729		3	251.5	686384	
					2891		4	503	1454115	
					2920		5	1006	2937191	
	3	4.63	4.61	4.65	6023	5858	1	50.3	302959	2
					5927		2	100.6	596274	
					5739		3	251.5	1443245	
					5825		4	503	2930175	
					5775		5	1006	5809577	
	4	4.75	4.73	4.77	1973	1758	1	50.3	99229	8
					1826		2	100.6	183692	
					1652		3	251.5	415415	
					1688		4	503	849024	
					1653		5	1006	1662863	
	5	4.85	4.83	4.87	4050	3871	1	50.3	203718	3
					3913		2	100.6	393671	
					3754		3	251.5	944204	
					3728		4	503	1875048	
					3910		5	1006	3933572	
	6	5.16	5.14	5.18	4097	3976	1	50.3	206064	2
					3959		2	100.6	398325	
					3832		3	251.5	963852	
					3979		4	503	2001599	
					4015		5	1006	4038610	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.75	4.73	4.77	4426	4191	1	50.05	221540	3
					4127		2	100.1	413142	
					4175		3	200.2	835899	
					4139		4	500.5	2071612	
					4086		5	1001	4090584	
	2	5.05	5.03	5.07	2343	2316	1	50.05	117261	1
					2319		2	100.1	232102	
					2267		3	200.2	453871	
					2315		4	500.5	1158517	
					2335		5	1001	2337167	
	3	5.22	5.20	5.24	2873	2711	1	50.05	143814	5
					2785		2	100.1	278765	
					2740		3	200.2	548490	
					2619		4	500.5	1310605	
					2540		5	1001	2543038	
	4	5.39	5.37	5.41	3345	3094	1	50.05	167397	8
					2812		2	100.1	281443	
					3269		3	200.2	654544	
					3228		4	500.5	1615414	
					2815		5	1001	2818184	
	5	5.63	5.61	5.65	7610	7500	1	50.05	380872	4
					6993		2	100.1	700029	
					7571		3	200.2	1515702	
					7688		4	500.5	3847696	
					7636		5	1001	7643374	
	6	5.84	5.82	5.86	4241	4213	1	50.05	212271	2
					4252		2	100.1	425595	
					4283		3	200.2	857403	
					4100		4	500.5	2051991	
					4189		5	1001	4193396	
Aroclor-1262	1	5.23	5.21	5.25	4992	4992	1	200.8	1002432	0
	2	5.39	5.37	5.41	4033	4033	1	200.8	809822	0
	3	5.63	5.61	5.65	9748	9748	1	200.8	1957322	0
	4	5.83	5.81	5.85	5387	5387	1	200.8	1081708	0
	5	5.89	5.87	5.91	2669	2669	1	200.8	535861	0
	6	6.27	6.25	6.29	3247	3247	1	200.8	651921	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Calibration File: 20PCBS1713701

GC Column (1) : ZBmultiR1 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.83	5.81	5.85	11979	11979	1	201	2407763	0
	2	5.89	5.87	5.91	10452	10452	1	201	2100808	0
	3	6.02	6.00	6.04	9746	9746	1	201	1958924	0
	4	6.09	6.07	6.11	2234	2234	1	201	449104	0
	5	6.27	6.25	6.29	4026	4026	1	201	809132	0
	6	6.47	6.45	6.49	31503	31503	1	201	6332050	0

File Name: V:\CP20\20pcbs1713701.CAL
Version: 7

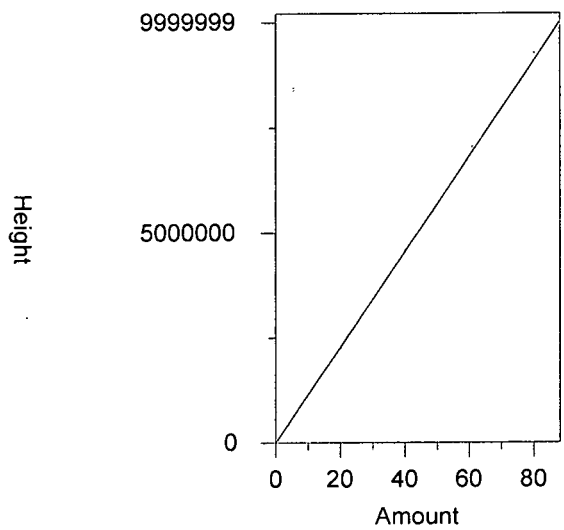
Creator:
Description:
Reason for change:

External standard calibration
Standard injection volume: 1
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 50
Amount units: PPB
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: 2.923 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

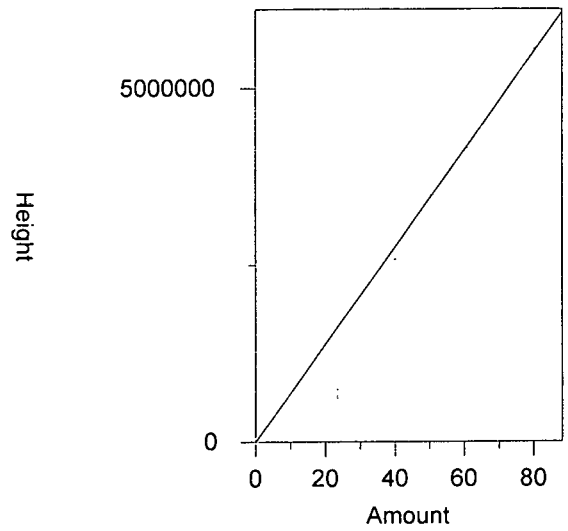
Single peak quantification by height

Y = 113640.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9990097
Average error: 1.793%
Average CF: 113640.5
RSD: 2.329%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	439163.3	109517	-3.629	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.007.BNC
2	20.04	2257924	112670.9	-0.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.008.BNC
3	40.08	4583477	114358.2	0.632	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.009.BNC
4	60.92	7055128	115809.7	1.909	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.010.BNC
5	80.16	9286271	115846.7	1.941	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.011.BNC

2 DCB



Expected retention time:	6.609 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 68816.38 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9979855
Average error:	2.906%
Average CF:	68816.38
RSD:	4.470%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	292285.8	72889.23	5.918	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
2	20.04	1387708	69246.91	0.626	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
3	40.08	2576136	64274.85	-6.599	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.00
4	60.92	4164353	68357.73	-0.666	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.01
5	80.16	5556144	69313.17	0.722	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.01

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene	2.62	2.62	2.62	2.62	2.62	2.62	2.59	2.65
Decachlorobiphenyl	6.11	6.11	6.11	6.11	6.11	6.11	6.08	6.14

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	CALIBRATION FACTORS						%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	
Tetrachloro-m-xylene	6.59E+05	6.78E+05	7.07E+05	7.07E+05	7.06E+05	6.91E+05	3
Decachlorobiphenyl	5.13E+05	4.93E+05	4.78E+05	4.79E+05	4.74E+05	4.87E+05	3

Average % RSD: 3

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.90	2.88	2.92	12697	11308	1	50.01	634997	9
					11782		2	100.02	1178404	
					11258		3	200.04	2252085	
					10688		4	500.1	5345188	
					10113		5	1000.2	10114640	
	2	3.23	3.21	3.25	15601	14052	1	50.01	780216	8
					14579		2	100.02	1458177	
					13945		3	200.04	2789487	
					13376		4	500.1	6689352	
					12760		5	1000.2	12762260	
	3	3.42	3.40	3.44	15040	14120	1	50.01	752133	5
					14220		2	100.02	1422333	
					14267		3	200.04	2853916	
					13250		4	500.1	6626458	
					13823		5	1000.2	13825460	
	4	3.49	3.47	3.51	17197	16698	1	50.01	860044	3
					16884		2	100.02	1688703	
					16943		3	200.04	3389307	
					15981		4	500.1	7991920	
					16486		5	1000.2	16489420	
	5	3.65	3.63	3.67	15163	14030	1	50.01	758311	6
					14372		2	100.02	1437489	
					14028		3	200.04	2806160	
					13612		4	500.1	6807312	
					12973		5	1000.2	12975370	
	6	3.74	3.72	3.76	12742	12022	1	50.01	637243	4
					12267		2	100.02	1226975	
					11884		3	200.04	2377296	
					11676		4	500.1	5839000	
					11540		5	1000.2	11542480	
Aroclor-1221	1	2.79	2.77	2.81	5968	5968	1	200.1	1194106	0
	2	2.85	2.83	2.87	3679	3679	1	200.1	736099	0
	3	2.90	2.88	2.92	15260	15260	1	200.1	3053589	0
Aroclor-1232	1	2.90	2.88	2.92	13815	13815	1	200.6	2771218	0
	2	3.23	3.21	3.25	6677	6677	1	200.6	1339343	0
	3	3.42	3.40	3.44	5973	5973	1	200.6	1198255	0
	4	3.49	3.47	3.51	7339	7339	1	200.6	1472147	0
	5	3.68	3.66	3.70	2004	2004	1	200.6	402038	0
	6	3.75	3.73	3.77	5254	5254	1	200.6	1054047	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	2.90	2.88	2.92	9723	9723	1	200	1944532	0
	2	3.23	3.21	3.25	11612	11612	1	200	2322300	0
	3	3.42	3.40	3.44	11419	11419	1	200	2283706	0
	4	3.49	3.47	3.51	13050	13050	1	200	2610073	0
	5	3.66	3.64	3.68	10745	10745	1	200	2148996	0
	6	3.75	3.73	3.77	9625	9625	1	200	1924911	0
Aroclor-1248	1	3.42	3.40	3.44	6114	5569	1	50.16	306693	9
					5944		2	100.32	596263	
					5630		3	200.64	1129540	
					4881		4	501.6	2448493	
					5276		5	1003.2	5292533	
	2	3.53	3.51	3.55	17248	15707	1	50.16	865156	7
					15984		2	100.32	1603513	
					15904		3	200.64	3190942	
					14927		4	501.6	7487300	
					14471		5	1003.2	14516990	
	3	3.65	3.63	3.67	21134	19623	1	50.16	1060079	6
					20336		2	100.32	2040152	
					19443		3	200.64	3901099	
					18952		4	501.6	9506378	
					18251		5	1003.2	18309420	
	4	3.74	3.72	3.76	14897	14169	1	50.16	747212	4
					14415		2	100.32	1446082	
					13940		3	200.64	2796950	
					14002		4	501.6	7023268	
					13594		5	1003.2	13637050	
	5	3.88	3.86	3.90	28043	26838	1	50.16	1406614	3
					27418		2	100.32	2750550	
					26688		3	200.64	5354666	
					26132		4	501.6	13107570	
					25910		5	1003.2	25993180	
	6	4.24	4.22	4.26	12708	11866	1	50.16	637437	6
					12266		2	100.32	1230562	
					11833		3	200.64	2374166	
					11589		4	501.6	5812918	
					10934		5	1003.2	10969450	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.18	4.16	4.20	21640	20906	1	50.3	1088486	4
					21189		2	100.6	2131657	
					19723		3	251.5	4960347	
					20502		4	503	10312280	
					21475		5	1006	21603490	
	2	4.24	4.22	4.26	39358	37094	1	50.3	1979718	4
					37156		2	100.6	3737878	
					35247		3	251.5	8864505	
					36757		4	503	18488900	
					36953		5	1006	37174280	
	3	4.33	4.31	4.35	18912	17256	1	50.3	951254	6
					17592		2	100.6	1769741	
					16589		3	251.5	4172151	
					16648		4	503	8373806	
					16538		5	1006	16637400	
	4	4.40	4.38	4.42	26081	24936	1	50.3	1311884	3
					24554		2	100.6	2470128	
					23888		3	251.5	6007734	
					25160		4	503	12655280	
					24997		5	1006	25147190	
	5	4.46	4.44	4.48	16107	14360	1	50.3	810169	7
					14494		2	100.6	1458073	
					13670		3	251.5	3438030	
					13779		4	503	6931070	
					13749		5	1006	13831460	
	6	4.62	4.60	4.64	17518	17494	1	50.3	881164	3
					16723		2	100.6	1682300	
					17139		3	251.5	4310358	
					18236		4	503	9172670	
					17855		5	1006	17962290	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.33	4.31	4.35	29544	28234	1	50.05	1478677	3
					28490		2	100.1	2851820	
					27854		3	200.2	5576324	
					28212		4	500.5	14120120	
					27069		5	1001	27096230	
	2	4.46	4.44	4.48	34749	33295	1	50.05	1739197	3
					32298		2	100.1	3233009	
					33532		3	200.2	6713137	
					32974		4	500.5	16503720	
					32921		5	1001	32954410	
	3	4.57	4.55	4.59	27188	26788	1	50.05	1360754	1
					26586		2	100.1	2661244	
					26373		3	200.2	5279960	
					27218		4	500.5	13622760	
					26575		5	1001	26601510	
	4	4.92	4.90	4.94	21623	20591	1	50.05	1082249	3
					20745		2	100.1	2076618	
					19976		3	200.2	3999104	
					19960		4	500.5	9989858	
					20653		5	1001	20673490	
	5	5.11	5.09	5.13	46103	46730	1	50.05	2307434	3
					45013		2	100.1	4505800	
					48156		3	200.2	9640877	
					47069		4	500.5	23558250	
					47308		5	1001	47355350	
	6	5.37	5.35	5.39	30488	31260	1	50.05	1525920	3
					32319		2	100.1	3235155	
					32121		3	200.2	6430639	
					29795		4	500.5	14912590	
					31578		5	1001	31609230	
Aroclor-1262	1	4.73	4.71	4.75	32412	32412	1	200.8	6508424	0
	2	4.92	4.90	4.94	32242	32242	1	200.8	6474238	0
	3	5.11	5.09	5.13	61328	61328	1	200.8	12314600	0
	4	5.33	5.31	5.35	25412	25412	1	200.8	5102818	0
	5	5.37	5.35	5.39	40904	40904	1	200.8	8213507	0
	6	5.75	5.73	5.77	22137	22137	1	200.8	4445078	0

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Calibration File: 20PCBS1713701B

GC Column (2) : ZBmultiR2 ID: 30 (mm)

ICAL Date(s) Analyzed: 5/17/2017 5/17/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1268	1	5.33	5.31	5.35	82763	82763	1	201	16635460	0
	2	5.37	5.35	5.39	83795	83795	1	201	16842710	0
	3	5.53	5.51	5.55	71989	71989	1	201	14469800	0
	4	5.59	5.57	5.61	17405	17405	1	201	3498455	0
	5	5.75	5.73	5.77	28206	28206	1	201	5669354	0
	6	5.95	5.93	5.97	214367	214367	1	201	43087670	0

File Name: V:\CP20\20pcbs1713701b.CAL
Version: 7

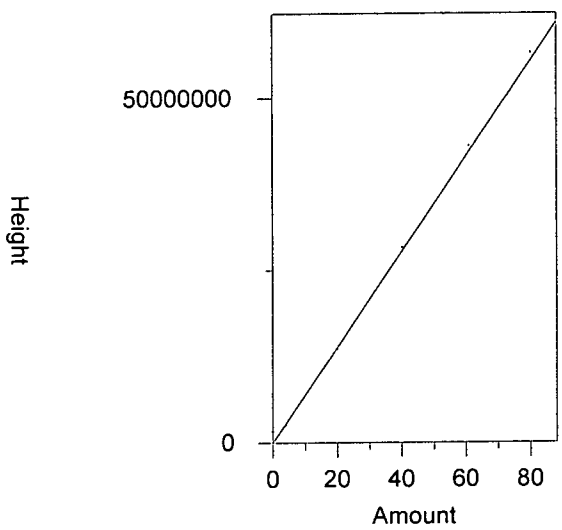
Creator:
Description:
Reason for change:

External standard calibration
Standard injection volume: 1
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 50
Amount units: PPB
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: 2.616 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

High alarm limit: 0.1
Low alarm limit: 0
Component constant: 0

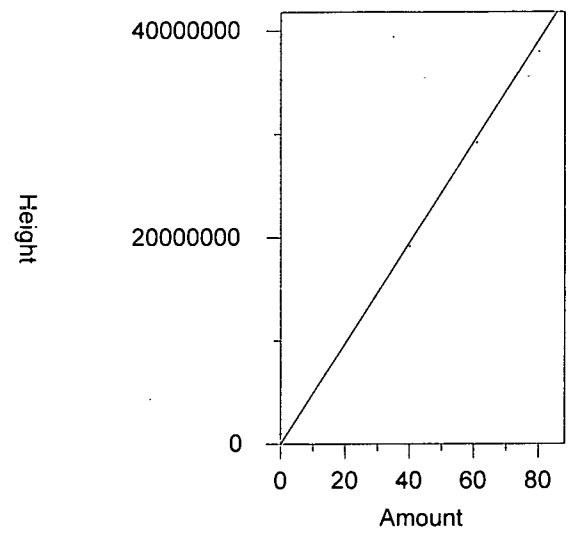
Single peak quantification by height

Y = 691308.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9985253
Average error: 2.688%
Average CF: 691308.8
RSD: 3.220%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	2640776	658547.6	-4.739	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
2	20.04	1.357936E+07	677612.8	-1.981	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
3	40.08	2.834864E+07	707301.4	2.313	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.00
4	60.92	4.309731E+07	707441.1	2.334	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.01
5	80.16	5.65642E+07	705641.2	2.073	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001B.01

2 DCB



Expected retention time:	6.108 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0.2
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 487178.5 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9980877
Average error:	2.557%
Average CF:	487178.5
RSD:	3.294%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	2056760	512907.7	5.281	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
2	20.04	9871559	492592.8	1.111	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
3	40.08	1.915147E+07	477831.1	-1.919	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
4	60.92	2.917417E+07	478893.2	-1.701	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700
5	80.16	3.796923E+07	473668	-2.773	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs1713700

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: 17342A Date Analyzed: 05/17/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 21:52

Lab File ID: 20PCBS17137001.029.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: IC16XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	40.05	40.08	0
Decachlorobiphenyl	6.62	6.58	6.64	36.85	40.08	-8
Aroclor-1016	3.18	3.16	3.20	203.20	201.00	1
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	191.43	201.80	-5
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/17/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 21:52

Lab File ID: 20PCBS17137001B.029.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: IC16XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.22	40.08	3
Decachlorobiphenyl	6.11	6.08	6.14	36.08	40.08	-10
Aroclor-1016	2.90	2.88	2.92	200.28	201.00	0
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.66	3.63	3.67			
	3.75	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	196.86	201.80	-2
	4.47	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/17/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:03

Lab File ID: 20PCBS17137001.030.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: IC48XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	41.10	40.08	3
Decachlorobiphenyl	6.61	6.58	6.64	37.77	40.08	-6
Aroclor-1248	3.79	3.76	3.80	203.00	200.00	1
	3.86	3.83	3.87			
	3.98	3.96	4.00			
	4.07	4.05	4.09			
	4.25	4.23	4.27			
	4.64	4.61	4.65			

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/17/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:03

Lab File ID: 20PCBS17137001B.030.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: IC48XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	41.77	40.08	4
Decachlorobiphenyl	6.11	6.08	6.14	37.97	40.08	-5
Aroclor-1248	3.42	3.40	3.44	206.77	200.00	3
	3.53	3.51	3.55			
	3.66	3.63	3.67			
	3.75	3.72	3.76			
	3.88	3.86	3.90			
	4.24	4.22	4.26			

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/17/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 22:15

Lab File ID: 20PCBS17137001.031.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: IC54XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.92	2.89	2.95	20.11	20.00	1
Decachlorobiphenyl	6.61	6.58	6.64	18.42	20.12	-8
Aroclor-1254	4.23	4.21	4.25	237.50	250.00	-5
	4.57	4.55	4.59			
	4.64	4.61	4.65			
	4.76	4.73	4.77			
	4.85	4.83	4.87			
	5.17	5.14	5.18			

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/17/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 22:15

Lab File ID: 20PCBS17137001B.031.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: IC54XAA Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	20.63	20.00	3
Decachlorobiphenyl	6.11	6.08	6.14	18.24	20.12	-9
Aroclor-1254	4.18	4.16	4.20	239.96	250.00	-4
	4.24	4.22	4.26			
	4.33	4.31	4.35			
	4.40	4.38	4.42			
	4.47	4.44	4.48			
	4.62	4.60	4.64			

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	

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/20/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 15:02

Lab File ID: 20PCBS17137003.011.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163CK Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.93	2.89	2.95	40.07	40.08	0
Decachlorobiphenyl	6.61	6.58	6.64	41.85	40.08	4
Aroclor-1016	3.18	3.16	3.20	189.88	200.04	-5
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	195.44	200.20	-2
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/20/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 15:02

Lab File ID: 20PCBS17137003B.011.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163CK Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	38.25	40.08	-5
Decachlorobiphenyl	6.11	6.08	6.14	40.47	40.08	1
Aroclor-1016	2.90	2.88	2.92	185.20	200.04	-7
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	190.88	200.20	-5
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVE Sample ID: VE **Batchnumber: 1713999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 20, 2017 15:13:33
Instrument : CP20--17342A
Result file : 20PCBS17137003.012.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 93% (53-140) Conc.: 0.18648
%SSR(DCB) : 102% (45-143) Conc.: 0.205842

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**88.80**	
3.16	3.19	3.20	5004.784	0.024391			1
3.49	3.49	3.53	2559.704	0.010851			3
3.71	3.73	3.75	700.0916	0.002679			4
3.76	3.77	3.80	1175.728	0.0055			5
Height Summation:			**9440.3076**				
Amount Avg CF:			**0.010855**	Linear:			
Aroclor-1221					**2**	**127.34**	
3.11	3.12	3.15	29557.92	0.347845			2
3.16	3.19	3.20	5004.784	0.018231			3
Height Summation:			**34562.704**				
Amount Avg CF:			**0.183038**	Linear:			
Aroclor-1232					**3**	**61.92**	
3.16	3.19	3.20	5004.784	0.020325			1
3.49	3.53	3.53	3043.324	0.027992			3
3.71	3.73	3.75	700.0916	0.005936			4
Height Summation:			**8748.1996**				
Amount Avg CF:			**0.018084**	Linear:			
Aroclor-1242					**3**	**79.14**	
3.16	3.19	3.20	5004.784	0.028472			1
3.49	3.53	3.53	3043.324	0.016012			3
3.71	3.73	3.75	700.0916	0.003274			4
Height Summation:			**8748.1996**				
Amount Avg CF:			**0.015919**	Linear:			
Aroclor-1248					**4**	**70.98**	
3.76	3.77	3.80	1175.728	0.010131			1
3.83	3.85	3.87	2899.406	0.013737			2
4.05	4.07	4.09	572.6829	0.002772			4
4.23	4.27	4.27	827.9975	0.003383			5
Height Summation:			**5475.8144**				
Amount Avg CF:			**0.007506**	Linear:			
Aroclor-1254					**2**	**4.46**	
4.55	4.57	4.59	1192.858	0.004113			2
4.83	4.86	4.87	1695.878	0.004381			5
Height Summation:			**2888.736**				
Amount Avg CF:			**0.004247**	Linear:			
Aroclor-1260					**2**	**46.48**	
5.20	5.21	5.24	3168.123	0.011684			3
5.82	5.84	5.86	2487.15	0.005904			6
Height Summation:			**5655.273**				
Amount Avg CF:			**0.008794**	Linear:			
Aroclor-1262					**2**	**22.31**	
5.21	5.21	5.24	3168.123	0.006346			1
5.81	5.84	5.85	2487.15	0.004617			4
Height Summation:			**5655.273**				
Amount Avg CF:			**0.005482**	Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:13:33
Instrument : CP20--17342B
Result file : 20PCBS17137003B.012.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 94% (53-140) Conc.: 0.187458
%SSR(DCB) : 98% (45-143) Conc.: 0.197252

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**32.20**	
2.88	2.89	2.92	5609.439	0.004961			1
3.21	3.23	3.25	6538.719	0.004653			2
3.40	3.41	3.44	11417.95	0.008086			3
Height Summation:			**23566.108**				
Amount Avg CF:			**0.0059**	Linear:			
Aroclor-1221					**3**	**164.03**	
2.77	2.78	2.81	8225.827	0.013784			1
+ 2.77	2.80	2.81	3450.09	0.005781			1
2.83	2.83	2.87	174880	0.475391			2
2.88	2.89	2.92	5609.439	0.003676			3
Height Summation:			**188715.266**				
Amount Avg CF:			**0.164284**	Linear:			
Aroclor-1232					**3**	**69.14**	
2.88	2.89	2.92	5609.439	0.004061			1
3.21	3.23	3.25	6538.719	0.009793			2
3.40	3.41	3.44	11417.95	0.019115			3
Height Summation:			**23566.108**				
Amount Avg CF:			**0.01099**	Linear:			
Aroclor-1242					**3**	**34.81**	
2.88	2.89	2.92	5609.439	0.005769			1
3.21	3.23	3.25	6538.719	0.005631			2
3.40	3.41	3.44	11417.95	0.009999			3
Height Summation:			**23566.108**				
Amount Avg CF:			**0.007133**	Linear:			
Aroclor-1248					**3**	**96.37**	
3.40	3.41	3.44	11417.95	0.020503			1
3.51	3.54	3.55	5136.176	0.00327			2
4.22	4.24	4.26	6458.046	0.005442			6
Height Summation:			**23012.172**				
Amount Avg CF:			**0.009738**	Linear:			
Aroclor-1254					**3**	**10.12**	
4.22	4.24	4.26	6458.046	0.001741			2
4.31	4.33	4.35	3464.382	0.002008			3
4.60	4.62	4.64	2901.79	0.001659			6
Height Summation:			**12824.218**				
Amount Avg CF:			**0.001802**	Linear:			
Aroclor-1260					**4**	**52.39**	
4.31	4.33	4.35	3464.382	0.001227			1
+ 4.55	4.55	4.59	859.9659	0.000321			3
4.55	4.58	4.59	9496.76	0.003545			3
4.90	4.91	4.94	3586.943	0.001742			4
5.35	5.37	5.39	4682.111	0.001498			6
Height Summation:			**21230.196**				
Amount Avg CF:			**0.002003**	Linear:			
Aroclor-1262					**3**	**27.06**	
4.90	4.91	4.94	3586.943	0.001112			2
5.31	5.33	5.35	1707.325	0.000672			4
5.35	5.37	5.39	4682.111	0.001145			5
Height Summation:			**9976.379**				
Amount Avg CF:			**0.000976**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKVE Sample ID: VE **Batchnumber: 1713999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 20, 2017 15:13:33
Instrument : CP20--17342A
Result file : 20PCBS17137003.012.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**135.81**	
5.81	5.84	5.85	2487.15	0.002076			1
6.00	6.02	6.04	19862.54	0.02038			3
6.07	6.09	6.11	17946.32	0.08032			4
6.45	6.47	6.49	15090.28	0.00479			6

Height Summation: **55386.29**
Amount Avg CF: **0.026892** Linear:

Analysis Report (B)

Injected on : May 20, 2017 15:13:33
Instrument : CP20--17342B
Result file : 20PCBS17137003B.012.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**166.02**	
5.31	5.33	5.35	1707.325	0.000206			1
5.35	5.37	5.39	4682.111	0.000559			2
5.51	5.53	5.55	130075.2	0.018069			3
5.57	5.59	5.61	147221.2	0.084584			4
5.93	5.95	5.97	102496.6	0.004781			6

Height Summation: **386182.436**
Amount Avg CF: **0.02164** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 59.15	4	40	
Aroclor-1221						10.80	3	5	
Aroclor-1232						** 48.80	4	10	
Aroclor-1242						** 76.22	4	30	
Aroclor-1248						25.90	4	40	
Aroclor-1254						** 80.82	4	40	
Aroclor-1260						** 125.79	4	40	
Aroclor-1262						** 139.53	4	40	
Aroclor-1268						21.64	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342A Date Analyzed: 05/20/17

GC Column (1) : ZBmultiR1 ID: 30 (mm) Time Analyzed: 17:07

Lab File ID: 20PCBS17137003.022.RAW Initial Calibration: 20PCBS1713701

Lab Standard ID: AR163CL Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.93	2.89	2.95	43.12	40.08	8
Decachlorobiphenyl	6.61	6.58	6.64	39.20	40.08	-2
Aroclor-1016	3.18	3.16	3.20	201.14	200.04	1
	3.40	3.37	3.41			
	3.51	3.49	3.53			
	3.73	3.71	3.75			
	3.79	3.76	3.80			
	3.98	3.96	4.00			
Aroclor-1260	4.76	4.73	4.77	199.36	200.20	0
	5.05	5.03	5.07			
	5.23	5.20	5.24			
	5.39	5.37	5.41			
	5.63	5.61	5.65			
	5.84	5.82	5.86			

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 17342B Date Analyzed: 05/20/17

GC Column (2) : ZBmultiR2 ID: 30 (mm) Time Analyzed: 17:07

Lab File ID: 20PCBS17137003B.022.RAW Initial Calibration: 20PCBS1713701B

Lab Standard ID: AR163CL Init. Calib Date(s): 05/17/17 05/17/17

Calibration: 20PCBS1713701B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.62	2.59	2.65	43.01	40.08	7
Decachlorobiphenyl	6.11	6.08	6.14	39.17	40.08	-2
Aroclor-1016	2.90	2.88	2.92	207.92	200.04	4
	3.23	3.21	3.25			
	3.42	3.40	3.44			
	3.49	3.47	3.51			
	3.65	3.63	3.67			
	3.74	3.72	3.76			
Aroclor-1260	4.33	4.31	4.35	200.25	200.20	0
	4.46	4.44	4.48			
	4.57	4.55	4.59			
	4.92	4.90	4.94			
	5.11	5.09	5.13			
	5.37	5.35	5.39			

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24A PIBLKVF Sample ID: VF **Batchnumber: 1713999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 20, 2017 17:19:12
Instrument : CP20--17342A
Result file : 20PCBS17137003.023.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.205789
%SSR(DCB) : 97% (45-143) Conc.: 0.195339

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	60.18	
3.16	3.19	3.20	3881.134	0.018915			1
3.49	3.49	3.53	1814.966	0.007694			3
3.76	3.77	3.80	1473.724	0.006894			5
Height Summation:			7169.824				
Amount Avg CF:			0.011168	Linear:			
Aroclor-1221					2	131.22	
3.11	3.12	3.15	32106.67	0.377839			2
3.16	3.19	3.20	3881.134	0.014138			3
Height Summation:			35987.804				
Amount Avg CF:			0.195988	Linear:			
Aroclor-1232					2	15.38	
3.16	3.19	3.20	3881.134	0.015761			1
+ 3.49	3.49	3.53	1814.966	0.016694			3
3.49	3.53	3.53	2131.867	0.019609			3
Height Summation:			6013.001				
Amount Avg CF:			0.017685	Linear:			
Aroclor-1242					2	46.14	
3.16	3.19	3.20	3881.134	0.022079			1
+ 3.49	3.49	3.53	1814.966	0.009549			3
3.49	3.53	3.53	2131.867	0.011216			3
Height Summation:			6013.001				
Amount Avg CF:			0.016648	Linear:			
Aroclor-1248					3	56.74	
3.76	3.77	3.80	1473.724	0.012698			1
3.83	3.85	3.87	2121.29	0.010051			2
4.05	4.07	4.09	659.5085	0.003192			4
Height Summation:			4254.5225				
Amount Avg CF:			0.008647	Linear:			
Aroclor-1254					1		
4.55	4.57	4.59	1911.818	0.006592			2
Height Summation:			1911.818				
Amount Avg CF:			0.006592	Linear:			
Aroclor-1260					3	40.95	
+ 5.03	5.04	5.07	715.8055	0.003091			2
5.03	5.06	5.07	1067.199	0.004609			2
5.20	5.21	5.24	2569.361	0.009476			3
5.82	5.84	5.86	2217.792	0.005264			6
Height Summation:			5854.352				
Amount Avg CF:			0.00645	Linear:			
Aroclor-1262					2	15.72	
5.21	5.21	5.24	2569.361	0.005147			1
5.81	5.84	5.85	2217.792	0.004117			4
Height Summation:			4787.153				
Amount Avg CF:			0.004632	Linear:			
Aroclor-1268					4	148.08	
5.81	5.84	5.85	2217.792	0.001851			1
6.00	6.02	6.04	29350.17	0.030115			3
6.07	6.09	6.11	32535.33	0.145614			4
6.45	6.47	6.49	17094.5	0.005426			6
Height Summation:			81197.792				
Amount Avg CF:			0.045752	Linear:			

Analysis Report (B)

Injected on : May 20, 2017 17:19:12
Instrument : CP20--17342B
Result file : 20PCBS17137003B.023.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.2074
%SSR(DCB) : 96% (45-143) Conc.: 0.192739

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	21.70	
2.88	2.90	2.92	7725.716	0.006832			1
3.40	3.41	3.44	7789.814	0.005517			3
3.72	3.73	3.76	10254.18	0.00853			6
Height Summation:			25769.71				
Amount Avg CF:			0.00696	Linear:			
Aroclor-1221					3	164.31	
2.77	2.78	2.81	8180.704	0.013709			1
+ 2.77	2.80	2.81	5206.849	0.008725			1
2.83	2.83	2.87	194375	0.528386			2
2.88	2.90	2.92	7725.716	0.005063			3
Height Summation: -			210281.42				
Amount Avg CF:			0.182386	Linear:			
Aroclor-1232					3	54.79	
2.88	2.90	2.92	7725.716	0.005592			1
3.40	3.41	3.44	7789.814	0.013041			3
3.73	3.73	3.77	10254.18	0.019515			6
Height Summation:			25769.71				
Amount Avg CF:			0.012716	Linear:			
Aroclor-1242					3	23.25	
2.88	2.90	2.92	7725.716	0.007946			1
3.40	3.41	3.44	7789.814	0.006822			3
3.73	3.73	3.77	10254.18	0.010654			6
Height Summation:			25769.71				
Amount Avg CF:			0.008474	Linear:			
Aroclor-1248					5	92.33	
3.40	3.41	3.44	7789.814	0.013988			1
+ 3.51	3.53	3.55	2756.887	0.001755			2
3.51	3.54	3.55	2777.384	0.001768			2
3.72	3.73	3.76	10254.18	0.007237			4
+ 3.86	3.86	3.90	1915.15	0.000714			5
3.86	3.88	3.90	3191.467	0.001189			5
4.22	4.25	4.26	4898.405	0.004128			6
Height Summation: -			28911.25				
Amount Avg CF:			0.005662	Linear:			
Aroclor-1254					3	56.67	
4.22	4.25	4.26	4898.405	0.001321			2
4.31	4.33	4.35	4553.886	0.002639			3
4.60	4.62	4.64	7875.463	0.004502			6
Height Summation:			17327.754				
Amount Avg CF:			0.00282	Linear:			
Aroclor-1260					4	35.03	
4.31	4.33	4.35	4553.886	0.001613			1
4.55	4.56	4.59	3546.255	0.001324			3
4.90	4.92	4.94	5282.546	0.002565			4
5.35	5.37	5.39	8872.74	0.002838			6
Height Summation:			22255.427				
Amount Avg CF:			0.002085	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24A PIBLKVF Sample ID: VF **Batchnumber: 1713999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : May 20, 2017 17:19:12
Instrument : CP20--17342A
Result file : 20PCBS17137003.023.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 20, 2017 17:19:12
Instrument : CP20--17342B
Result file : 20PCBS17137003B.023.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**20.98**	
4.71	4.74	4.75	4255.526	0.001313			1
4.90	4.92	4.94	5282.546	0.001638			2
5.31	5.33	5.35	4165.121	0.001639			4
5.35	5.37	5.39	8872.74	0.002169			5
Height Summation:			**22575.933**				
Amount Avg CF:				**0.00169** Linear:			
Aroclor-1268					**5**	**169.06**	
5.31	5.33	5.35	4165.121	0.000503			1
5.35	5.37	5.39	8872.74	0.001059			2
5.51	5.53	5.55	213984.7	0.029725			3
5.57	5.60	5.61	247413.1	0.142149			4
5.93	5.95	5.97	125246.2	0.005843			6
Height Summation:			**599681.861**				
Amount Avg CF:				**0.035856** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 46.43	4	40	
Aroclor-1221						7.19	3	5	
Aroclor-1232						32.69	4	10	
Aroclor-1242						** 65.07	4	30	
Aroclor-1248						** 41.72	4	40	
Aroclor-1254						** 80.14	4	40	
Aroclor-1260						** 102.28	4	40	
Aroclor-1262						** 93.08	4	40	
Aroclor-1268						24.25	4	40	

Units: ug/kg

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

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Runlog for 20PCBS17137001
Instrument CP20--17342A

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Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	20PCBS17137001.001	CONDITIONER		5/17/17 16:32	1713699999	1.00
2855	20PCBS17137001.002	CONDITIONER		5/17/17 16:43	1713699999	1.00
2855	20PCBS17137001.003	CONDITIONER		5/17/17 16:55	1713699999	1.00
2855	20PCBS17137001.004	CONDITIONER		5/17/17 17:06	1713699999	1.00
2855	20PCBS17137001.005	IBLKX1724A	PIBLKAA	5/17/17 17:17	1713699999	10.00
2855	20PCBS17137001.006	EVALX1624B	EVALXAA	5/17/17 17:29	1713699999	1.00
2855	20PCBS17137001.007	AR1611724A	AR161AA	5/17/17 17:40	1713699999	1.00
2855	20PCBS17137001.008	AR1621724A	AR162AA	5/17/17 17:51	1713699999	1.00
2855	20PCBS17137001.009	AR1631724A	AR163AA	5/17/17 18:03	1713699999	1.00
2855	20PCBS17137001.010	AR1641724A	AR164AA	5/17/17 18:14	1713699999	1.00
2855	20PCBS17137001.011	AR1651724A	AR165AA	5/17/17 18:26	1713699999	1.00
2855	20PCBS17137001.012	AR4811724A	AR481AA	5/17/17 18:37	1713699999	1.00
2855	20PCBS17137001.013	AR4821724A	AR482AA	5/17/17 18:49	1713699999	1.00
2855	20PCBS17137001.014	AR4831724A	AR483AA	5/17/17 19:00	1713699999	1.00
2855	20PCBS17137001.015	AR4841724A	AR484AA	5/17/17 19:12	1713699999	1.00
2855	20PCBS17137001.016	AR4851724A	AR485AA	5/17/17 19:23	1713699999	1.00
2855	20PCBS17137001.017	AR5411724A	AR541AA	5/17/17 19:34	1713699999	1.00
2855	20PCBS17137001.018	AR5421724A	AR542AA	5/17/17 19:46	1713699999	1.00
2855	20PCBS17137001.019	AR5431724A	AR543AA	5/17/17 19:57	1713699999	1.00
2855	20PCBS17137001.020	AR5441724A	AR544AA	5/17/17 20:09	1713699999	1.00
2855	20PCBS17137001.021	AR5451724A	AR545AA	5/17/17 20:20	1713699999	1.00
2855	20PCBS17137001.022	AR6231724A	AR623AA	5/17/17 20:31	1713699999	1.00
2855	20PCBS17137001.023	AR6831724A	AR683AA	5/17/17 20:43	1713699999	1.00
2855	20PCBS17137001.024	AR2131724A	AR213AA	5/17/17 20:54	1713699999	1.00
2855	20PCBS17137001.025	AR3231724A	AR323AA	5/17/17 21:06	1713699999	1.00
2855	20PCBS17137001.026	AR4231724A	AR423AA	5/17/17 21:17	1713699999	1.00
2855	20PCBS17137001.027	AR16XX1724A	AR16XAA	5/17/17 21:29	1713699999	1.00
2855	20PCBS17137001.028	MD16X1724A	MD16XAA	5/17/17 21:40	1713699999	1.00
2855	20PCBS17137001.029	IC16X1724A	IC16XAA	5/17/17 21:52	1713699999	1.00
2855	20PCBS17137001.030	IC48X1724A	IC48XAA	5/17/17 22:03	1713699999	1.00
2855	20PCBS17137001.031	IC54X1724A	IC54XAA	5/17/17 22:15	1713699999	1.00
2855	20PCBS17137001.032	BLANKA 5/16/17 RI A	PBLK35135	5/17/17 22:26	171350035A	10.00
2855	20PCBS17137001.033	LOD 5/16/17 RI A		5/17/17 22:38	171350035A	10.00
2855	20PCBS17137001.034	AR1631724A	AR163BR	5/17/17 22:49	1713699999	1.00
2855	20PCBS17137001.035	IBLKX1724A	PIBLKUF	5/17/17 23:01	1713699999	10.00

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Runlog for 25PCBS17116016
Instrument CP25--18274A

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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

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

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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

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Pesticide Residue Analysis
Runlog for 20PCBS17137003
Instrument CP20--17342A

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Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17137003.001	CONDITIONER		5/20/17 13:07	1713999999	1.00
9065	20PCBS17137003.002	CONDITIONER		5/20/17 13:19	1713999999	1.00
9065	20PCBS17137003.003	CONDITIONER		5/20/17 13:30	1713999999	1.00
9065	20PCBS17137003.004	CONDITIONER		5/20/17 13:42	1713999999	1.00
9065	20PCBS17137003.005	AR1631724A	AR163CJ	5/20/17 13:53	1713999999	1.00
9065	20PCBS17137003.006	IBLKX1724A	PIBLKVD	5/20/17 14:04	1713999999	10.00
9065	20PCBS17137003.007	BLANKA 5/19/17 AF	PBLK42137	5/20/17 14:16	171370042A	50.00
9065	20PCBS17137003.008	LCSA 5/19/17 AF	LCS42137	5/20/17 14:27	171370042A	50.00
9065	20PCBS17137003.009	LCSDA 5/19/17 AF	LCSD42137	5/20/17 14:39	171370042A	50.00
9065	20PCBS17137003.010	8994410 RI AF	02097	5/20/17 14:50	171370042A	50.00
9065	20PCBS17137003.011	AR1631724A	AR163CK	5/20/17 15:02	1713999999	1.00
9065	20PCBS17137003.012	IBLKX1724A	PIBLKVE	5/20/17 15:13	1713999999	10.00
9065	20PCBS17137003.013	BLANKA 5/18/17 AF	PBLK19138	5/20/17 15:25	171380019A	2.00
9065	20PCBS17137003.014	LCSA 5/18/17 AF	LCS19138	5/20/17 15:36	171380019A	2.00
9065	20PCBS17137003.015	LCSDA 5/18/17 AF	LCSD19138	5/20/17 15:47	171380019A	2.00
9065	20PCBS17137003.016	8991102RAF	30714	5/20/17 15:59	171380019A	2.00
9065	20PCBS17137003.017	8997965 RI AF	HDD04	5/20/17 16:10	171380019A	2.00
9065	20PCBS17137003.018	8997966 RI AF	HDD05	5/20/17 16:22	171380019A	2.00
9065	20PCBS17137003.019	8997967 RI AF	HDD06	5/20/17 16:33	171380019A	2.00
9065	20PCBS17137003.020	8997968 RI AF	HDD6D	5/20/17 16:44	171380019A	2.00
9065	20PCBS17137003.021	8998341 RI AF	A4708	5/20/17 16:56	171380019A	2.00
9065	20PCBS17137003.022	AR1631724A	AR163CL	5/20/17 17:07	1713999999	1.00
9065	20PCBS17137003.023	IBLKX1724A	PIBLKVF	5/20/17 17:19	1713999999	10.00
9065	20PCBS17137003.024	BLANKA 5/18/17 AF	PBLK17138	5/20/17 17:30	171380017A	2.00
9065	20PCBS17137003.025	LCSA 5/18/17 AF	LCS17138	5/20/17 17:41	171380017A	2.00
9065	20PCBS17137003.026	LCSDA 5/18/17 AF	LCSD17138	5/20/17 17:53	171380017A	2.00
9065	20PCBS17137003.027	8996937 RI AF	SPB17	5/20/17 18:04	171380017A	2.00
9065	20PCBS17137003.028	8997526 RI AF	HTG17	5/20/17 18:16	171380017A	2.00
9065	20PCBS17137003.029	AR1631724A	AR163CM	5/20/17 18:27	1713999999	1.00
9065	20PCBS17137003.030	IBLKX1724A	PIBLKVG	5/20/17 18:39	1713999999	10.00
9065	20PCBS17137003.031	BLANKA 5/18/17 CAF	PBLK18138	5/20/17 18:50	171380018A	2.00
9065	20PCBS17137003.032	LCSA 5/18/17 CAF	LCS18138	5/20/17 19:02	171380018A	2.00
9065	20PCBS17137003.033	LCSDA 5/18/17 CAF	LCSD18138	5/20/17 19:13	171380018A	2.00
9065	20PCBS17137003.034	8996725CAF	QAWE1	5/20/17 19:24	171380018A	2.00
9065	20PCBS17137003.035	8997671CAF	ENOLA	5/20/17 19:36	171380018A	2.00
9065	20PCBS17137003.036	8998126CAF	DCIL1	5/20/17 19:47	171380018A	2.00
9065	20PCBS17137003.037	8998127CAF	DCIL2	5/20/17 19:59	171380018A	2.00
9065	20PCBS17137003.038	8998128CAF	DCIL3	5/20/17 20:10	171380018A	2.00
9065	20PCBS17137003.039	AR1631724A	AR163CN	5/20/17 20:21	1713999999	1.00
9065	20PCBS17137003.040	IBLKX1724A	PIBLKVH	5/20/17 20:33	1713999999	10.00
9065	20PCBS17137003.041	BLANKA 5/18/17 ACF	PBLK03138	5/20/17 20:44	171380003A	10.00
9065	20PCBS17137003.042	LCSA 5/18/17 ACF	LCS03138	5/20/17 20:55	171380003A	10.00
9065	20PCBS17137003.043	8995606 RI ACF	WLC01	5/20/17 21:07	171380003A	10.00
9065	20PCBS17137003.044	8995606MSACF	WLC01MS	5/20/17 21:18	171380003A	10.00
9065	20PCBS17137003.045	8995606MSDACF	WLC01MSD	5/20/17 21:30	171380003A	10.00
9065	20PCBS17137003.046	8995607 RI ACF	WLC02	5/20/17 21:41	171380003A	10.00
9065	20PCBS17137003.047	8995608 RI ACF	WLC03	5/20/17 21:52	171380003A	10.00
9065	20PCBS17137003.048	8995609 RI ACF	WLC04	5/20/17 22:04	171380003A	10.00
9065	20PCBS17137003.049	8995610 RI ACF	WLC05	5/20/17 22:15	171380003A	10.00
9065	20PCBS17137003.050	8995611 RI ACF	WLC06	5/20/17 22:27	171380003A	10.00
9065	20PCBS17137003.052	IBLKX1724A	PIBLKVI	5/20/17 22:49	1713999999	10.00
9065	20PCBS17137003.053	8995612 RI ACF	WLC07	5/20/17 23:01	171380003A	10.00
9065	20PCBS17137003.054	8995613 RI ACF	WLC08	5/20/17 23:12	171380003A	10.00
9065	20PCBS17137003.055	8995614 RI ACF	WLC09	5/20/17 23:24	171380003A	10.00
9065	20PCBS17137003.056	8995615 RI ACF	WLC10	5/20/17 23:35	171380003A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	20PCBS17137003.057	8998472 RI ACF	88501	5/20/17 23:47	171380003A	10.00
9065	20PCBS17137003.058	8998473 RI ACF	88502	5/20/17 23:58	171380003A	10.00
9065	20PCBS17137003.059	8998474 RI ACF	88503	5/21/17 0:10	171380003A	10.00
9065	20PCBS17137003.060	8998475 RI ACF	88504	5/21/17 0:21	171380003A	10.00
9065	20PCBS17137003.061	8998476 RI ACF	88505	5/21/17 0:32	171380003A	10.00
9065	20PCBS17137003.062	AR1631724A	AR163CP	5/21/17 0:44	1713999999	1.00
9065	20PCBS17137003.063	IBLKX1724A	PIBLKVJ	5/21/17 0:55	1713999999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATE47

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

10227: PCBs in Water Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	0.080	0.40	ug/l
PCB-1221	0.080	0.40	ug/l
PCB-1232	0.16	0.40	ug/l
PCB-1242	0.080	0.40	ug/l
PCB-1248	0.080	0.40	ug/l
PCB-1254	0.080	0.40	ug/l
PCB-1260	0.12	0.40	ug/l

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Data Summary

Sample Name: 8998332 RI ACF DF100 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.36 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 17:04:39
Instrument	18274A
Result file	25PCBS17116017.010.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 115% (61 - 152) Conc: 32.51421
%SSR(DCB) * 165% (48 - 164) Conc: 46.5365

Analysis Report (B)

Injected on	May 22, 2017 17:04:39
Instrument	18274B
Result file	25PCBS17116017B.010.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 119% (61 - 152) Conc: 33.54211
%SSR(DCB) 151% (48 - 164) Conc: 42.76265

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	47082	32.51421
Decachlorobiphenyl	6.61	6.63	6.67	48059	46.5365

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	66173	33.54211
Decachlorobiphenyl	6.10	6.12	6.16	104434	42.76265

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	32.51421				3.11	
☑ Decachlorobiphenyl	A	46.5365				8.45	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.62**	
4.76	4.78	4.80	856208.6	17085.998753			1
5.05	5.07	5.09	690872.2	23794.72126			2
5.23	5.25	5.27	574942.9	16868.732848			3
5.40	5.41	5.44	614780.9	16553.035532			4
5.63	5.65	5.67	2015146	20011.942858			5
5.83	5.85	5.87	1198895	19493.209815			6

Height summation: **5950845.6**
Concentration CF: **18967.940178** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.78**	
4.33	4.35	4.37	2098242	19287.111295			1
4.47	4.48	4.51	2880574	23115.370071			2
4.57	4.58	4.61	2028026	18957.851688			3
4.92	4.93	4.96	1517328	17702.774931			4
5.11	5.13	5.15	4523284	21399.759679			5
5.37	5.39	5.41	3013450	23768.267654			6

Height summation: **16060904**
Concentration CF: **20705.18922** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<4922.7799	<955.5984			4	
☑ PCB-1221			<4922.7799	<1476.834			3	
☑ PCB-1232			<4922.7799	<1187.2587			4	
☑ PCB-1242			<4922.7799	<1187.2587			4	
☑ PCB-1248			<4922.7799	<955.5984			4	
☑ PCB-1254			<4922.7799	<1274.1313			4	
☑ PCB-1260	B	20705.18922	4922.7799	1129.3436		8.76	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: **8998332** RI ACF DF100 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.36 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:04:39
Instrument : CP25--18274A
Result file : 25PCBS17116017.010.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 115% (61-152) Conc.: 32.51421 R. OK
%SSR(DCB) : *165% (48-164) Conc.: 46.5365

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**109.30**	
3.18	3.20	3.22	2285.755	94.736921			1
3.40	3.42	3.44	2745.528	119.890881			2
3.51	3.53	3.55	3933.321	135.580043			3
3.73	3.75	3.77	15263.48	433.025631			4
3.79	3.80	3.83	7067.1	224.460011			5
3.98	4.00	4.02	24100.26	1084.658893			6
Height Summation:			**55395.444**				
Amount Avg CF:			**348.725397**	Linear:			
Aroclor-1221					**3**	**76.87**	
3.07	3.09	3.11	1559.079	132.657888			1
3.13	3.14	3.17	3570.425	330.94592			2
3.18	3.20	3.22	2285.755	69.225484			3
Height Summation:			**7415.259**				
Amount Avg CF:			**177.609764**	Linear:			
Aroclor-1232					**6**	**122.05**	
3.18	3.20	3.22	2285.755	77.472311			1
3.40	3.42	3.44	2745.528	250.901343			2
3.52	3.53	3.56	3933.321	273.205352			3
3.74	3.75	3.78	15263.48	864.505089			4
3.79	3.80	3.83	7067.1	481.088298			5
3.99	4.00	4.03	24100.26	2509.406556			6
+ 3.99	4.02	4.03	3670.73	382.209732			6
Height Summation:			**55395.444**				
Amount Avg CF:			**742.763158**	Linear:			
Aroclor-1242					**6**	**108.87**	
3.18	3.20	3.22	2285.755	111.63519			1
3.40	3.42	3.44	2745.528	144.549308			2
3.51	3.53	3.55	3933.321	162.384176			3
3.73	3.75	3.77	15263.48	519.964502			4
3.79	3.80	3.83	7067.1	280.763179			5
3.98	4.00	4.02	24100.26	1303.925667			6
Height Summation:			**55395.444**				
Amount Avg CF:			**420.537004**	Linear:			
Aroclor-1248					**6**	**186.33**	
3.79	3.80	3.83	7067.1	391.430387			1
3.86	3.88	3.90	49282.67	1738.3263			2
3.98	4.00	4.02	24100.26	735.088142			3
4.07	4.09	4.11	27240.06	965.528612			4
4.25	4.29	4.29	77446.52	2758.462059			5
4.64	4.65	4.68	598419.8	26091.579908			6
Height Summation:			**783556.41**				
Amount Avg CF:			**5446.735901**	Linear:			
Aroclor-1254					**6**	**86.62**	
4.24	4.25	4.28	248795.6	8239.524375			1
4.58	4.59	4.62	136817	3817.423277			2
+ 4.58	4.61	4.62	44210.04	1233.534106			2
4.64	4.65	4.68	598419.8	8635.227297			3
4.77	4.78	4.81	856208.6	38233.728822			4
4.86	4.87	4.89	498029.8	9770.824411			5
5.05	5.07	5.09	690872.2	18223.796664			6
Height Summation:			**3029143**				
Amount Avg CF:			**14486.754141**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:04:39
Instrument : CP25--18274B
Result file : 25PCBS17116017B.010.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 119% (61-152) Conc.: 33.54211
%SSR(DCB) : 151% (48-164) Conc.: 42.76265

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**106.76**	
2.89	2.92	2.93	100547.3	2963.704594			1
3.22	3.24	3.26	6412.482	141.945256			2
+ 3.41	3.42	3.45	3582.719	70.157617			3
3.41	3.43	3.45	16904.81	331.033828			3
3.49	3.51	3.53	14135.99	266.076873			4
3.65	3.67	3.69	55586.02	1290.994998			5
+ 3.65	3.69	3.69	12178.7	282.852429			5
3.74	3.76	3.78	38849.03	987.504424			6
Height Summation:			**232435.632**				
Amount Avg CF:			**996.876662**	Linear:			
Aroclor-1221					**3**	**102.88**	
2.77	2.79	2.81	6186.52	351.437664			1
2.84	2.86	2.88	5043.1	463.918764			2
2.89	2.92	2.93	100547.3	2190.414244			3
Height Summation:			**111776.92**				
Amount Avg CF:			**1001.923557**	Linear:			
Aroclor-1232					**6**	**73.80**	
2.89	2.92	2.93	100547.3	2369.858349			1
3.22	3.24	3.26	6412.482	300.802049			2
+ 3.41	3.42	3.45	3582.719	156.347721			3
3.41	3.43	3.45	16904.81	737.715829			3
3.49	3.51	3.53	14135.99	597.335908			4
3.65	3.67	3.69	55586.02	3049.991518			5
+ 3.65	3.69	3.69	12178.7	668.242333			5
3.75	3.76	3.79	38849.03	2135.619006			6
Height Summation:			**232435.632**				
Amount Avg CF:			**1531.88711**	Linear:			
Aroclor-1242					**6**	**105.38**	
2.89	2.92	2.93	100547.3	3538.712581			1
3.22	3.24	3.26	6412.482	177.745044			2
+ 3.41	3.42	3.45	3582.719	87.350948			3
3.41	3.43	3.45	16904.81	412.159361			3
3.49	3.51	3.53	14135.99	337.800204			4
3.65	3.67	3.69	55586.02	1588.744443			5
+ 3.74	3.74	3.78	27298.71	815.95011			6
3.74	3.76	3.78	38849.03	1161.18565			6
Height Summation:			**232435.632**				
Amount Avg CF:			**1202.724547**	Linear:			
Aroclor-1248					**6**	**162.07**	
+ 3.41	3.42	3.45	3582.719	175.417155			1
3.41	3.43	3.45	16904.81	827.693627			1
3.52	3.54	3.56	94225.29	1805.86387			2
3.65	3.67	3.69	55586.02	890.758756			3
+ 3.65	3.69	3.69	12178.7	195.162087			3
3.74	3.76	3.78	38849.03	815.118788			4
3.88	3.89	3.92	616055.8	6427.650447			5
4.24	4.25	4.28	1165263	25666.679014			6
Height Summation:			**1986883.95**				
Amount Avg CF:			**6072.294084**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998332** RI ACF DF100 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.36 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:04:39
Instrument : CP25--18274A
Result file : 25PCBS17116017.010.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**14.62**	
4.76	4.78	4.80	856208.6	17085.998753			1
5.05	5.07	5.09	690872.2	23794.72126			2
5.23	5.25	5.27	574942.9	16868.732848			3
5.40	5.41	5.44	614780.9	16553.035532			4
5.63	5.65	5.67	2015146	20011.942858			5
5.83	5.85	5.87	1198895	19493.209815			6
Height Summation:			**5950845.6**				
Amount Avg CF:			**18967.940178**	Linear:			
Aroclor-1262					**6**	**32.92**	
5.23	5.25	5.27	574942.9	9452.609143			1
5.40	5.41	5.44	614780.9	11738.578043			2
5.63	5.65	5.67	2015146	14924.927277			3
5.83	5.85	5.87	1198895	14474.721939			4
5.89	5.90	5.93	203990.7	5372.91144			5
6.26	6.27	6.30	463267.3	9452.103139			6
Height Summation:			**5071022.8**				
Amount Avg CF:			**10902.64183**	Linear:			
Aroclor-1268					**6**	**96.30**	
5.83	5.85	5.87	1198895	8197.410487			1
5.89	5.90	5.93	203990.7	1532.843559			2
6.03	6.04	6.07	13394.29	108.371426			3
+ 6.09	6.09	6.13	38044.99	1183.295681			4
6.09	6.12	6.13	199529.8	6205.88284			4
6.26	6.27	6.30	463267.3	8843.109468			5
6.47	6.48	6.51	96380.93	224.047598			6
Height Summation:			**2175458.02**				
Amount Avg CF:			**4185.277563**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:04:39
Instrument : CP25--18274B
Result file : 25PCBS17116017B.010.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**94.87**	
4.18	4.19	4.22	438479.5	5510.75647			1
4.24	4.25	4.28	1165263	7976.801338			2
4.33	4.35	4.37	2098242	31284.313766			3
4.40	4.42	4.44	918163.9	9400.203346			4
+ 4.40	4.44	4.44	484273.3	4958.011849			4
4.47	4.48	4.51	2880574	53186.837125			5
4.62	4.63	4.66	821648.9	11531.91573			6
Height Summation:			**8322371.3**				
Amount Avg CF:			**19815.137962**	Linear:			
Aroclor-1260					**6**	**11.78**	
4.33	4.35	4.37	2098242	19287.111295			1
4.47	4.48	4.51	2880574	23115.370071			2
4.57	4.58	4.61	2028026	18957.851688			3
4.92	4.93	4.96	1517328	17702.774931			4
+ 4.92	4.96	4.96	494588.8	5770.40311			4
5.11	5.13	5.15	4523284	21399.759679			5
5.37	5.39	5.41	3013450	23768.267654			6
Height Summation:			**16060904**				
Amount Avg CF:			**20705.18922**	Linear:			
Aroclor-1262					**6**	**35.75**	
4.73	4.75	4.77	1103661	8056.322606			1
4.92	4.93	4.96	1517328	11199.427301			2
5.11	5.13	5.15	4523284	15954.335916			3
5.33	5.34	5.36	681735.4	6395.051978			4
5.37	5.39	5.41	3013450	16284.106349			5
5.75	5.77	5.79	1084105	10200.39371			6
Height Summation:			**11923563.4**				
Amount Avg CF:			**11348.272977**	Linear:			
Aroclor-1268					**6**	**127.23**	
5.33	5.34	5.37	681735.4	2024.293821			1
5.37	5.39	5.41	3013450	9200.687385			2
5.53	5.54	5.57	47739.7	167.537296			3
5.59	5.61	5.63	16461.35	234.603683			4
+ 5.59	5.63	5.63	7730.415	110.172242			4
5.75	5.77	5.79	1084105	9134.258671			5
5.95	5.96	5.99	220628.4	218.03916			6
Height Summation:			**5064119.85**				
Amount Avg CF:			**3496.570003**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4922.7799	955.5984		** 96.34	4	40	
Aroclor-1221			4922.7799	1476.834		** 139.77	3	5	
Aroclor-1232			4922.7799	1187.2587		** 69.38	4	10	
Aroclor-1242			4922.7799	1187.2587		** 96.37	4	30	
Aroclor-1248			4922.7799	955.5984		10.86	4	40	
Aroclor-1254			4922.7799	1274.1313		31.07	4	40	
Aroclor-1260			4922.7799	1129.3436		8.76	4	40	
Aroclor-1262			4922.7799	955.5984		4.01	4	40	
Aroclor-1268			4922.7799	955.5984		17.93	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998332 RI ACF DF100ACA4701 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:04:39 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: 25pcbs17116017.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.023		568	474
2.053		6319	7865
2.089		4131	5905
2.145		2035	3197
2.212		28533	21377
2.296		971	943
2.338		1315	929
2.376		2073	1876
2.401		1158	1305
2.502		3740	5050
2.574		758	628
2.601		1578	1238
2.648		1465	802
2.663		9408	5931
2.699		1221	964
2.759		2050	3491
2.791		2041	1466
2.817		774	545
2.853		401	200
2.883		2151	1660
2.913		1482	1270
2.944	TCX	47082	30040
2.972		1831	1196
3.007		501	273
3.053		4997	4500
3.093		1559	1709
3.143		3570	3570
3.196		2286	1521
3.225		1786	1176
3.248		32848	18788
3.266		54814	31314
3.306		2274	1653
3.332		661	597
3.385		2324	2025
3.417		2746	4278
3.463		2370	1743
3.484		1945	2021
3.531		3933	5395
3.606		7087	7980
3.696		1670	1682
3.708		3942	2953
3.748		15263	14705
3.803		7067	6322
3.835		2219	2516
3.875		49283	37949
3.91		24871	37684
3.999		24100	18430
4.023		3671	2253
4.055		10845	7948
4.087		27240	30166
4.13		6076	5642
4.192		8779	6891
4.214		8075	4861
4.25		248796	270466

RT A	Compound A	Height A	Area A
4.292		77447	66486
4.363		77794	66076
4.405		430552	442124
4.439		157832	134510
4.48		9396	6539
4.501		19167	14129
4.543		145910	140450
4.593		136817	100036
4.61		44210	74938
4.655		598420	544496
4.705		307988	322907
4.739		98920	74356
4.781		856209	841910
4.826		59375	51969
4.867		498030	494829
4.899		10698	6345
4.927		197194	200918
4.979		1266746	1625677
5.03		169041	151791
5.067		690872	795068
5.111		40427	26470
5.149		121310	152975
5.183		1786201	1824749
5.223		21613	11065
5.25		574943	532272
5.291		413404	425530
5.386		259182	213023
5.411		614781	542666
5.466		370546	349537
5.505		229856	231688
5.547		29734	32910
5.586		292122	337933
5.645		2015146	2046832
5.731		2521	2552
5.766		1242	822
5.793		1785	2088
5.849		1198895	1134188
5.878		76128	51329
5.904		203991	238104
5.946		1291	1111
6.015		9154	7227
6.04		13394	11621
6.09		38045	30241
6.119		199530	191777
6.156		1387	829
6.182		1454	1097
6.225		475	587
6.275		463267	486959
6.32		33239	31079
6.375		605	397
6.405		1350	1848
6.478		96381	104512
6.529		489	149
6.559		1176	1446
6.627	DCB	48059	55772
6.666		378	182
6.684		3706	3192
6.723		477	219
6.738		482	284
6.773		2158	3027
6.828		1679	1980
6.903		6061	17790
6.957		961	1256

LANCASTER LABORATORIES

Sample Number: 8998332 RI ACF DF100ACA4701 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:04:39 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.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.178		2901	3890
2.24		2529	3095
2.281		2477	2095
2.324		2621	2317
2.369		16678	16555
2.481		4908	10979
2.54		1645	1650
2.577		3463	3804
2.62	TCX	66173	42182
2.673		4037	3247
2.72		2037	2199
2.765		4413	3746
2.793		6187	3724
2.856		5043	4089
2.918		100547	109518
3.039		4845	7176
3.117		10302	11412
3.187		1968	778
3.202		3402	2980
3.237		6412	5733
3.276		15085	13871
3.321		2106	1371
3.363		6308	4858
3.396		14425	12445
3.416		3583	1783
3.433		16905	20635
3.506		14136	10392
3.54		94225	58843
3.564		63335	36908
3.581		19010	8651
3.598		6926	4580
3.668		55586	37126
3.691		12179	6101
3.712		23354	15703
3.741		27299	14848
3.757		38849	22312
3.796		18048	14875
3.841		24072	27173
3.87		41746	24545
3.892		616056	403250
3.917		112898	64293
3.936		60526	31722
3.956		168828	108149
3.991		864532	606763
4.023		359218	329553
4.061		17192	10169
4.102		42314	34412
4.137		246026	204036
4.166		21597	15152
4.194		438480	327110
4.234		185509	201381
4.254		1165263	1219231
4.293		318781	324124
4.346		2098242	1651143

RT B	Compound B	Height B	Area B
4.383		120912	104181
4.416		918164	640570
4.44		484273	341583
4.483		2880574	2291229
4.537		7579	5129
4.585		2028026	1965392
4.635		821649	709118
4.676		628918	543081
4.712		3742758	3076475
4.745		1103661	747270
4.783		896166	717269
4.843		12459	14929
4.883		269935	324451
4.934		1517329	1181446
4.957		494589	338464
5.007		920157	803445
5.044		505102	405298
5.073		321412	259362
5.106		207687	134148
5.127		4523284	3638318
5.168		90867	65352
5.2		117252	95854
5.239		3444	2714
5.263		6381	4809
5.318		31714	19757
5.342		681735	558482
5.385		3013451	3185919
5.49		3816	4248
5.54		47740	42405
5.586		102412	81976
5.609		16461	10037
5.631		7730	4054
5.658		469232	391957
5.7		3805	3549
5.737		2065	1028
5.765		1084105	913895
5.797		65301	49671
5.965		220628	188118
5.999		2136	3319
6.124	DCB	104434	96031
6.301		10606	8679
6.326		4252	3465
6.394		1186	665
6.445		1344	2173
6.48		1213	868
6.605		2876	3776
6.654		1901	1618
6.833		1201	1515
6.901		3922	4462
6.934		1079	1128

8998332 RI ACF DF100ACA4701 T 171390030A 10225 SW-846 8082

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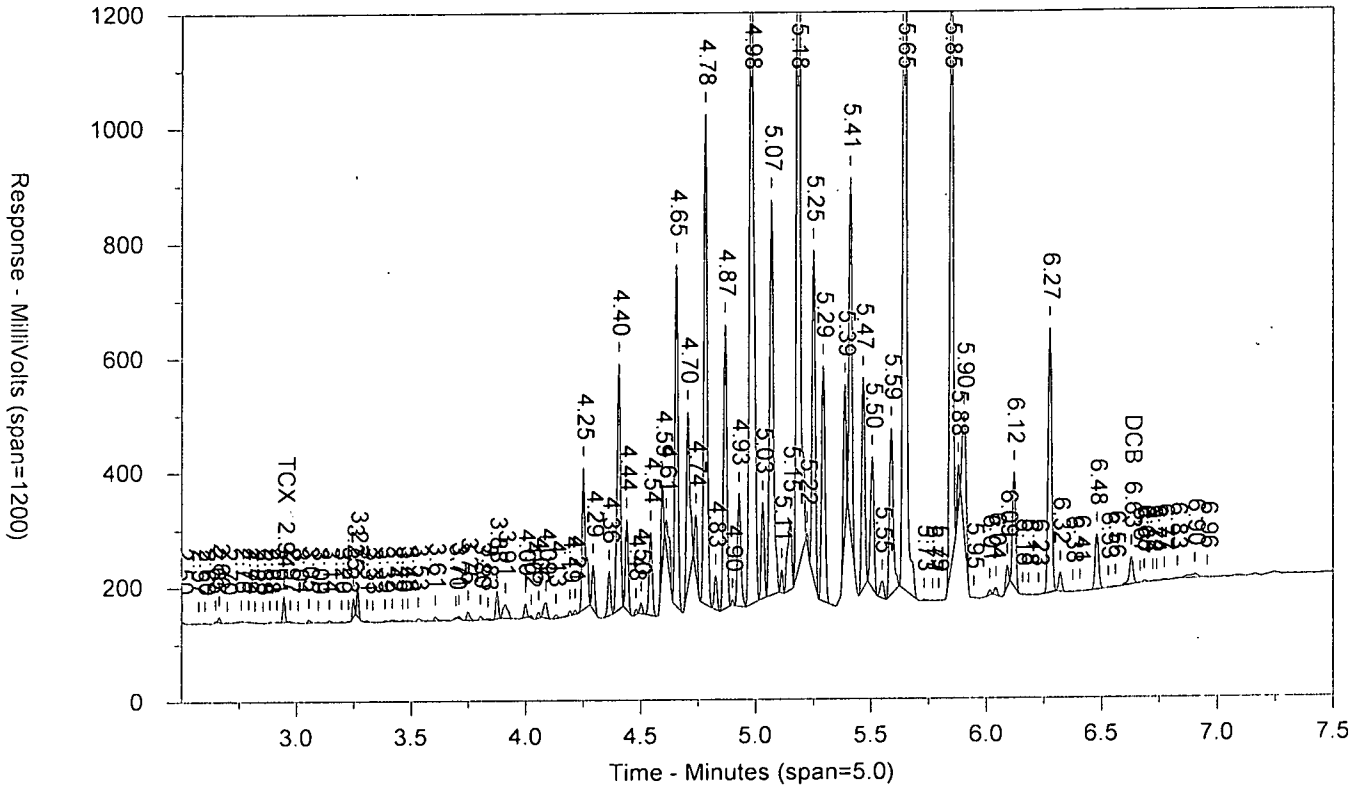

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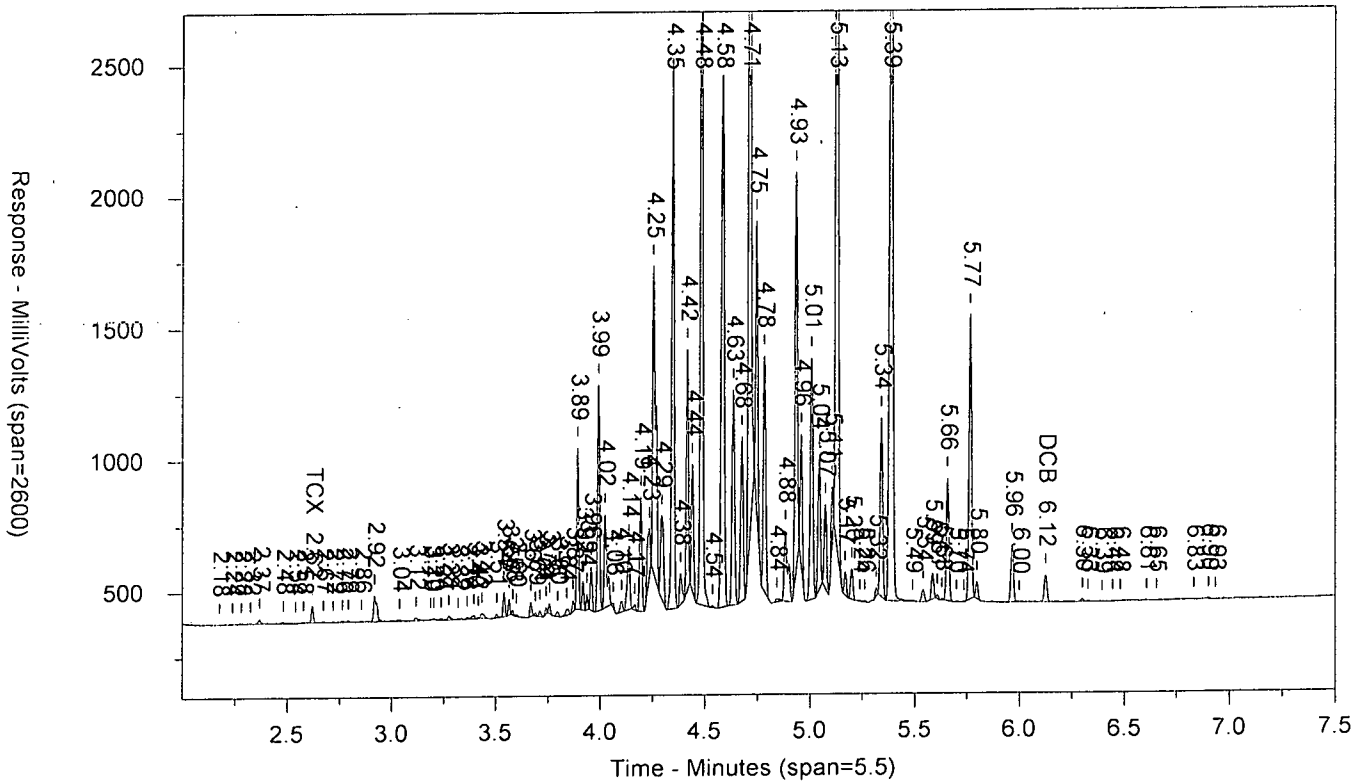

LANCASTER LABORATORIES

Sample Number: 8998332 RI ACF DF100ACA4701 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:04:39 PM Sample Weight: 10.36
Instrument ID: CP25-18274 Dilution Factor: 1000
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	47082	32.514	TCX	2.62	66173	33.542	TCX
6.627	48059	46.537	DCB	6.124	104434	42.763	DCB

Files:
Area File: 25pcbs17116017.010.RAW
Area File: 25pcbs17116017B.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: 5/22/2017 5:13:10 PM
File Reported On: 5/22/2017 at 5:13:16 PM

8998332 RI ACF DF100ACA4701 T 171390030A 10225 SW-846 8082

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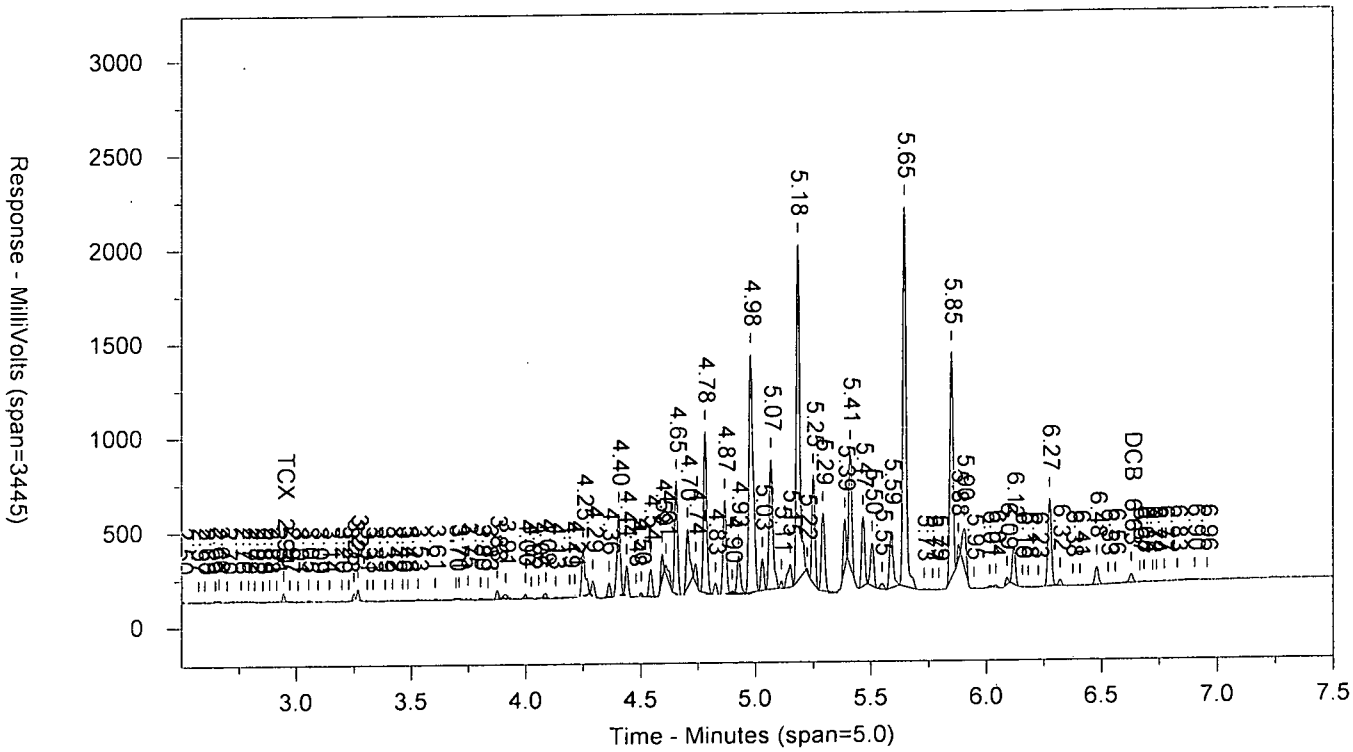

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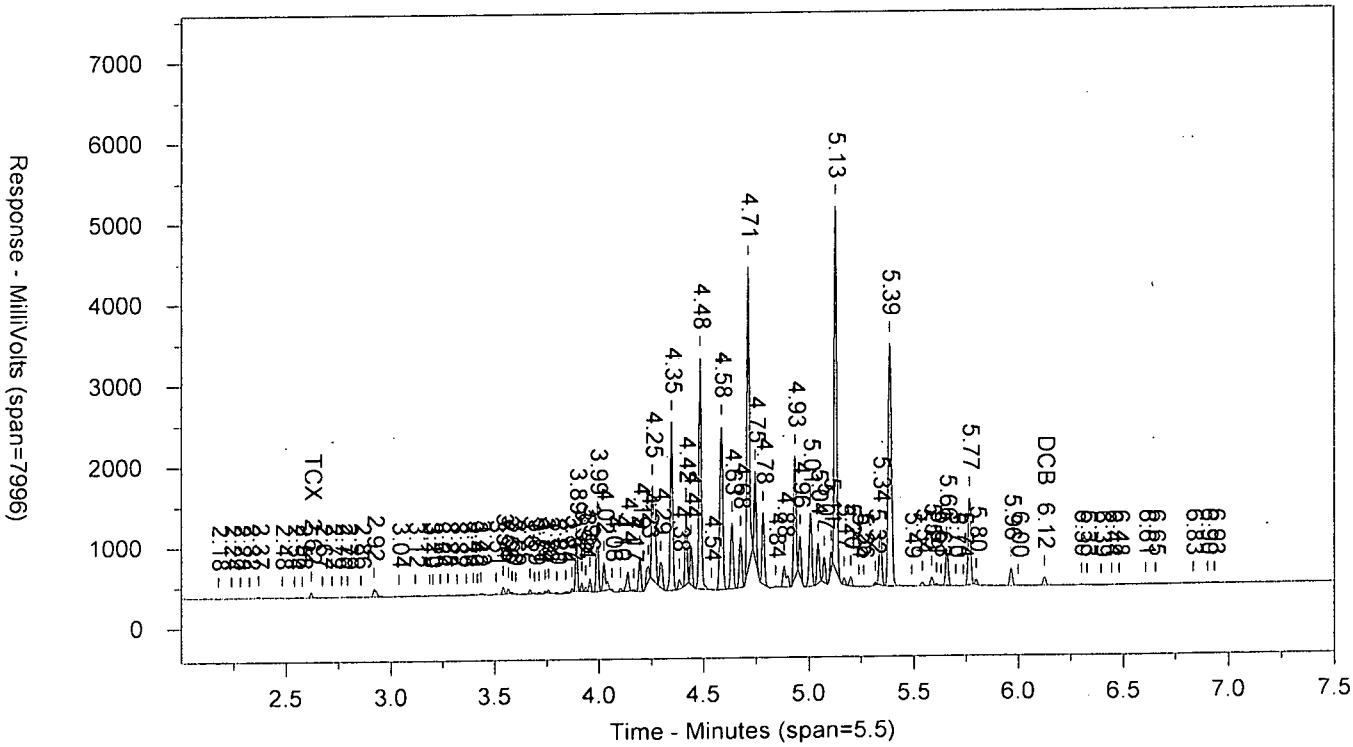

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Data Summary

Sample Name: 8998335 ACF DF100 A4702 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:01:12
Instrument	18274A
Result file	25PCBS17116016.089.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 100% (61 - 152) Conc: 28.51181
%SSR(DCB) 145% (48 - 164) Conc: 41.40985

Analysis Report (B)

Injected on	May 22, 2017 10:01:12
Instrument	18274B
Result file	25PCBS17116016B.089.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 30.41315
%SSR(DCB) 140% (48 - 164) Conc: 40.11555

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	40729	28.51181
Decachlorobiphenyl	6.61	6.63	6.67	42187	41.40985

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	59189	30.41315
Decachlorobiphenyl	6.10	6.13	6.16	96645	40.11555

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.51181				6.45	
☑ Decachlorobiphenyl	A	41.40985				3.18	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.20**	
4.76	4.78	4.80	722390.9	14613.08501			1
5.05	5.07	5.09	619973.5	21645.363841			2
5.23	5.25	5.27	502121	14933.960207			3
5.40	5.41	5.44	545564.6	14890.604305			4
5.63	5.65	5.67	1770255	17820.809455			5
5.83	5.85	5.87	1100438	18137.467485			6

Height summation: **5260743**
Concentration CF: **17006.881717** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.66**	
4.33	4.35	4.37	1760435	16403.648878			1
4.47	4.49	4.51	2431995	19783.054693			2
4.57	4.59	4.61	1703173	16139.245438			3
4.92	4.94	4.96	1339910	15846.974668			4
5.11	5.13	5.15	3965784	19019.231112			5
5.37	5.39	5.41	2674250	21381.806923			6

Height summation: **13875547**
Concentration CF: **18095.660285** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<4990.2154	<968.6889			4	
☑ PCB-1221			<4990.2154	<1497.0646			3	
☑ PCB-1232			<4990.2154	<1203.5225			4	
☑ PCB-1242			<4990.2154	<1203.5225			4	
☑ PCB-1248			<4990.2154	<968.6889			4	
☑ PCB-1254			<4990.2154	<1291.5852			4	
☑ PCB-1260	B	18095.660285	4990.2154	1144.8141		6.20	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: **8998335** ACF DF100 A4702 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:01:12
Instrument : CP25--18274A
Result file : 25PCBS17116016.089.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) 100% (61-152) Conc.: 28.51181 mcs
%SSR(DCB) : 145% (48-164) Conc.: 41.40985

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	121.98	
3.18	3.20	3.22	1703.421	71.568257			1
3.40	3.42	3.44	2205.929	97.647395			2
3.51	3.53	3.55	3471.165	121.288743			3
3.73	3.75	3.77	13497.23	388.162476			4
3.79	3.81	3.83	5868.086	188.930934			5
3.98	4.00	4.02	24683.06	1126.106103			6
Height Summation:			**51428.891**				
Amount Avg CF:			**332.283985**	Linear:			
Aroclor-1221					3	95.06	
3.07	3.09	3.11	1324.333	114.227591			1
3.13	3.14	3.17	4005.344	376.344694			2
3.18	3.20	3.22	1703.421	52.295844			3
Height Summation:			**7033.098**				
Amount Avg CF:			**180.956043**	Linear:			
Aroclor-1232					6	133.87	
3.18	3.20	3.22	1703.421	58.525844			1
3.40	3.42	3.44	2205.929	204.351344			2
3.52	3.53	3.56	3471.165	244.407163			3
3.74	3.75	3.78	13497.23	774.938969			4
3.79	3.81	3.83	5868.086	404.938329			5
3.99	4.00	4.03	24683.06	2605.296517			6
+ 3.99	4.02	4.03	3377.312	356.475218			6
Height Summation:			**51428.891**				
Amount Avg CF:			**715.409694**	Linear:			
Aroclor-1242					6	121.53	
3.18	3.20	3.22	1703.421	84.333921			1
3.40	3.42	3.44	2205.929	117.730918			2
3.51	3.53	3.55	3471.165	145.26749			3
3.73	3.75	3.77	13497.23	466.094139			4
3.79	3.81	3.83	5868.086	236.322049			5
3.98	4.00	4.02	24683.06	1353.751544			6
Height Summation:			**51428.891**				
Amount Avg CF:			**400.583343**	Linear:			
Aroclor-1248					6	193.25	
3.79	3.81	3.83	5868.086	329.47209			1
3.86	3.88	3.90	44945.79	1607.070577			2
3.98	4.00	4.02	24683.06	763.177482			3
4.07	4.09	4.11	24765	889.824338			4
4.25	4.27	4.29	48901.02	1765.598229			5
4.64	4.66	4.68	563800.9	24918.910326			6
Height Summation:			**712963.856**				
Amount Avg CF:			**5045.675507**	Linear:			
Aroclor-1254					6	83.17	
4.24	4.25	4.28	156732.9	5261.728999			1
+ 4.24	4.27	4.28	48901.02	1641.671372			1
4.58	4.60	4.62	137644.5	3893.121664			2
+ 4.58	4.61	4.62	15977.13	451.89536			2
4.64	4.66	4.68	563800.9	8247.122459			3
4.77	4.78	4.81	722390.9	32700.033378			4
4.86	4.87	4.89	528459.2	10509.842348			5
5.05	5.07	5.09	619973.5	16577.656239			6
Height Summation:			**2729001.9**				
Amount Avg CF:			**12864.917515**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:01:12
Instrument : CP25--18274B
Result file : 25PCBS17116016B.089.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 30.41315
%SSR(DCB) : 140% (48-164) Conc.: 40.11555

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	100.97	
2.89	2.92	2.93	87511.64	2614.804253			1
3.22	3.24	3.26	6394.761	143.49207			2
+ 3.41	3.42	3.45	3513.561	69.745861			3
3.41	3.44	3.45	15077.91	299.303702			3
3.49	3.51	3.53	12174.41	232.293834			4
3.65	3.67	3.69	53239.58	1253.436857			5
+ 3.74	3.74	3.78	22093.15	569.279272			6
3.74	3.76	3.78	41656.31	1073.36771			6
Height Summation:			**216054.611**				
Amount Avg CF:			**936.116404**	Linear:			
Aroclor-1221					3	91.72	
2.77	2.79	2.81	6272.206	361.186122			1
2.84	2.86	2.88	5670.236	528.754837			2
2.89	2.92	2.93	87511.64	1932.549044			3
Height Summation:			**99454.082**				
Amount Avg CF:			**940.830001**	Linear:			
Aroclor-1232					6	75.59	
2.89	2.92	2.93	87511.64	2090.8682			1
3.22	3.24	3.26	6394.761	304.079966			2
+ 3.41	3.42	3.45	3513.561	155.430114			3
3.41	3.44	3.45	15077.91	667.004578			3
3.49	3.51	3.53	12174.41	521.493832			4
3.65	3.67	3.69	53239.58	2961.259947			5
+ 3.65	3.69	3.69	11518.19	640.657847			5
3.75	3.76	3.79	41656.31	2321.310596			6
Height Summation:			**216054.611**				
Amount Avg CF:			**1477.66952**	Linear:			
Aroclor-1242					6	99.66	
2.89	2.92	2.93	87511.64	3122.119771			1
3.22	3.24	3.26	6394.761	179.681977			2
+ 3.41	3.42	3.45	3513.561	86.838284			3
3.41	3.44	3.45	15077.91	372.653222			3
3.49	3.51	3.53	12174.41	294.910653			4
3.65	3.67	3.69	53239.58	1542.524055			5
+ 3.74	3.74	3.78	22093.15	669.403504			6
3.74	3.76	3.78	41656.31	1262.15048			6
Height Summation:			**216054.611**				
Amount Avg CF:			**1129.006693**	Linear:			
Aroclor-1248					6	164.90	
+ 3.41	3.42	3.45	3513.561	174.38763			1
3.41	3.44	3.45	15077.91	748.357859			1
3.52	3.54	3.56	89483.09	1738.470632			2
3.65	3.67	3.69	53239.58	864.844447			3
+ 3.74	3.74	3.78	22093.15	469.901926			4
3.74	3.76	3.78	41656.31	885.993183			4
3.88	3.89	3.92	511056.4	5405.176636			5
4.24	4.26	4.28	1097048	24495.156147			6
Height Summation:			**1807561.29**				
Amount Avg CF:			**5689.666484**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998335** ACF DF100 A4702 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:01:12
Instrument : CP25--18274A
Result file : 25PCBS17116016.089.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	16.20	
4.76	4.78	4.80	722390.9	14613.08501			1
5.05	5.07	5.09	619973.5	21645.363841			2
5.23	5.25	5.27	502121	14933.960207			3
5.40	5.41	5.44	545564.6	14890.604305			4
5.63	5.65	5.67	1770255	17820.809455			5
5.83	5.85	5.87	1100438	18137.467485			6
Height Summation:			**5260743**				
Amount Avg CF:			**17006.881717**	Linear:			
Aroclor-1262					6	32.53	
5.23	5.25	5.27	502121	8368.43467			1
5.40	5.41	5.44	545564.6	10559.665651			2
5.63	5.65	5.67	1770255	13290.777763			3
5.83	5.85	5.87	1100438	13468.01276			4
5.89	5.91	5.93	189682.2	5064.478733			5
6.26	6.28	6.30	419215.6	8670.479197			6
Height Summation:			**4527276.4**				
Amount Avg CF:			**9903.641462**	Linear:			
Aroclor-1268					6	95.97	
5.83	5.85	5.87	1100438	7627.284967			1
5.89	5.91	5.93	189682.2	1444.850467			2
6.03	6.04	6.07	11955.95	98.059131			3
+ 6.09	6.09	6.13	31957.9	1007.587795			4
6.09	6.12	6.13	181630.3	5726.548786			4
6.26	6.28	6.30	419215.6	8111.845115			5
6.47	6.48	6.51	92162.71	217.176723			6
Height Summation:			**1995084.76**				
Amount Avg CF:			**3870.960865**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:01:12
Instrument : CP25--18274B
Result file : 25PCBS17116016B.089.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	86.78	
4.18	4.20	4.22	414125.2	5275.971533			1
4.24	4.26	4.28	1097048	7612.710402			2
4.33	4.35	4.37	1760435	26607.245148			3
4.40	4.42	4.44	938410.6	9739.099424			4
+ 4.40	4.44	4.44	419998.1	4358.863011			4
4.47	4.49	4.51	2431995	45519.414336			5
4.62	4.64	4.66	870965.2	12391.527481			6
Height Summation:			**7512979**				
Amount Avg CF:			**17857.661387**	Linear:			
Aroclor-1260					6	12.66	
4.33	4.35	4.37	1760435	16403.648878			1
4.47	4.49	4.51	2431995	19783.054693			2
4.57	4.59	4.61	1703173	16139.245438			3
4.92	4.94	4.96	1339910	15846.974668			4
5.11	5.13	5.15	3965784	19019.231112			5
5.37	5.39	5.41	2674250	21381.806923			6
Height Summation:			**13875547**				
Amount Avg CF:			**18095.660285**	Linear:			
Aroclor-1262					6	35.87	
4.73	4.75	4.77	924735.9	6842.703629			1
4.92	4.94	4.96	1339910	10025.379718			2
5.11	5.13	5.15	3965784	14179.561199			3
5.33	5.34	5.36	613020	5829.237314			4
5.37	5.39	5.41	2674250	14649.095295			5
5.75	5.77	5.79	995408	9494.138737			6
Height Summation:			**10513107.9**				
Amount Avg CF:			**10170.019315**	Linear:			
Aroclor-1268					6	126.96	
5.33	5.34	5.37	613020	1845.190487			1
5.37	5.39	5.41	2674250	8276.889342			2
5.53	5.54	5.57	43496.78	154.738287			3
5.59	5.61	5.63	16627.79	240.221994			4
5.75	5.77	5.79	995408	8501.820768			5
5.95	5.97	5.99	204262.2	204.630304			6
Height Summation:			**4547064.77**				
Amount Avg CF:			**3203.915197**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4990.2149	968.6888		** 95.21	4	40	
Aroclor-1221			4990.2149	1497.0645		** 135.48	3	5	
Aroclor-1232			4990.2149	1203.5224		** 69.52	4	10	
Aroclor-1242			4990.2149	1203.5224		** 95.24	4	30	
Aroclor-1248			4990.2149	968.6888		12.00	4	40	
Aroclor-1254			4990.2149	1291.585		32.50	4	40	
Aroclor-1260			4990.2149	1144.814		6.20	4	40	
Aroclor-1262			4990.2149	968.6888		2.65	4	40	
Aroclor-1268			4990.2149	968.6888		18.86	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998335ACF DF100 ACA4702 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:01:12 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: 25pcbs17116016.089.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.024		805	942
2.053		6347	8329
2.09		4803	7448
2.193		513	178
2.212		25786	21391
2.3		1253	1152
2.338		1070	697
2.376		2431	2364
2.402		1385	1201
2.503		4303	5340
2.555		422	229
2.575		855	650
2.601		1855	1800
2.664		11875	10759
2.7		2015	1777
2.757		1771	2883
2.791		2541	1833
2.817		716	567
2.885		2713	2468
2.915		1975	1496
2.944	TCX	40729	27099
2.973		2335	1601
3.053		4900	4724
3.094		1324	1515
3.143		4005	3806
3.197		1703	1243
3.227		2411	1562
3.249		30099	17574
3.267		45035	26574
3.307		2502	1942
3.387		2914	2354
3.416		2206	3991
3.466		2570	1915
3.487		1672	2015
3.532		3471	4931
3.609		6338	9431
3.699		2325	1817
3.712		4022	2940
3.75		13497	13303
3.807		5868	5473
3.837		2052	2498
3.877		44946	34805
3.913		9810	12427
3.926		4767	2249
4.001		24683	18234
4.025		3377	2184
4.058		10093	7419
4.09		24765	27301
4.134		5562	5594
4.194		8796	6800
4.216		6935	4377
4.252		156733	111232
4.27		48901	26020
4.296		86635	72288

RT A	Compound A	Height A	Area A
4.365		69433	58706
4.408		358954	392963
4.442		166127	140565
4.482		10738	7753
4.505		18292	13535
4.546		142791	134685
4.597		137645	100463
4.613		15977	5967
4.625		43041	30750
4.657		563801	517561
4.707		253522	267130
4.743		94540	68201
4.784		722391	712854
4.829		59624	53377
4.869		528459	502673
4.902		9640	5738
4.93		177747	181353
4.982		1109998	1399598
5.033		145761	128603
5.07		619974	730764
5.114		40463	27654
5.152		109694	135290
5.185		1557822	1611803
5.226		20560	10292
5.253		502121	471128
5.295		375680	375723
5.388		258916	205161
5.413		545565	475788
5.469		329812	306075
5.507		208933	202283
5.549		24453	28146
5.59		261334	307154
5.647		1770255	1797355
5.733		2702	2903
5.766		1054	653
5.804		1636	2108
5.851		1100438	1007082
5.881		72501	46963
5.906		189682	215409
6.017		8317	6866
6.043		11956	10048
6.094		31958	25987
6.123		181630	174326
6.157		1238	781
6.185		1357	1154
6.278		419216	444221
6.324		30382	28435
6.368		926	701
6.404		1586	2113
6.483		92163	98920
6.565		580	857
6.634	DCB	42187	52032
6.692		3909	3883
6.723		625	259
6.749		470	529
6.781		2541	3835
6.828		2224	3474
6.915		5461	12039

LANCASTER LABORATORIES

Sample Number: 8998335ACF DF100 ACA4702 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:01:12 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.089.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.069		2307	2361
2.178		3460	3539
2.211		1342	1364
2.235		2504	2633
2.28		2873	2178
2.325		2187	2010
2.368		16353	17517
2.48		5446	8331
2.547		1006	1227
2.577		4223	3897
2.62	TCX	59189	38569
2.673		5026	4018
2.717		1744	2607
2.765		5201	4294
2.792		6272	3367
2.813		1969	2374
2.855		5670	4620
2.918		87512	100148
3.034		4739	5637
3.118		9941	11283
3.164		1441	965
3.202		5433	7666
3.238		6395	5865
3.277		12454	12876
3.322		2192	1190
3.339		2119	1044
3.367		5414	4036
3.397		13759	11752
3.417		3514	1714
3.436		15078	19805
3.507		12174	8428
3.542		89483	54312
3.566		58554	33251
3.583		22101	10708
3.601		6404	3951
3.671		53240	35385
3.693		11518	5662
3.715		21226	14823
3.744		22093	11679
3.76		41656	24404
3.798		17280	14596
3.843		20736	23974
3.872		48176	29022
3.894		511056	339848
3.919		123546	71822
3.939		55484	30574
3.959		146892	97114
3.994		731111	514283
4.026		380723	406122
4.104		42887	34458
4.139		236976	194272
4.167		19232	13881
4.196		414125	309611
4.23		200285	188760

RT B	Compound B	Height B	Area B
4.256		1097048	1104408
4.296		269453	269356
4.348		1760435	1404223
4.386		130026	104484
4.418		938411	665880
4.443		419998	288915
4.485		2431995	1950668
4.539		7733	5261
4.587		1703173	1646446
4.637		870965	735340
4.679		553487	487369
4.716		3209341	2667393
4.748		924736	619872
4.787		772769	625463
4.845		13285	16288
4.886		177193	119926
4.903		76231	43479
4.936		1339911	1025033
4.96		487612	331725
5.011		772207	706327
5.046		440529	353174
5.076		285656	226481
5.108		222050	134781
5.13		3965784	3194492
5.171		82631	57864
5.202		103902	86809
5.267		7655	4871
5.301		3179	1823
5.321		27958	17394
5.344		613020	510488
5.387		2674250	2817023
5.543		43497	39239
5.589		93504	74107
5.612		16628	9961
5.634		6839	3769
5.661		413564	353751
5.705		3865	3827
5.74		1743	950
5.768		995408	825119
5.799		61247	45550
5.924		1273	966
5.967		204262	174170
6.059		1365	1979
6.127	DCB	96645	86231
6.303		9463	7661
6.332		3864	5506
6.433		1070	945
6.503		786	1267
6.53		1161	774
6.607		2336	3124
6.66		2103	2974
6.791		1489	1950
6.907		5006	8093
6.982		1672	1352

8998335ACF DF100 ACA4702 T 171390030A 10225 SW-846 8082

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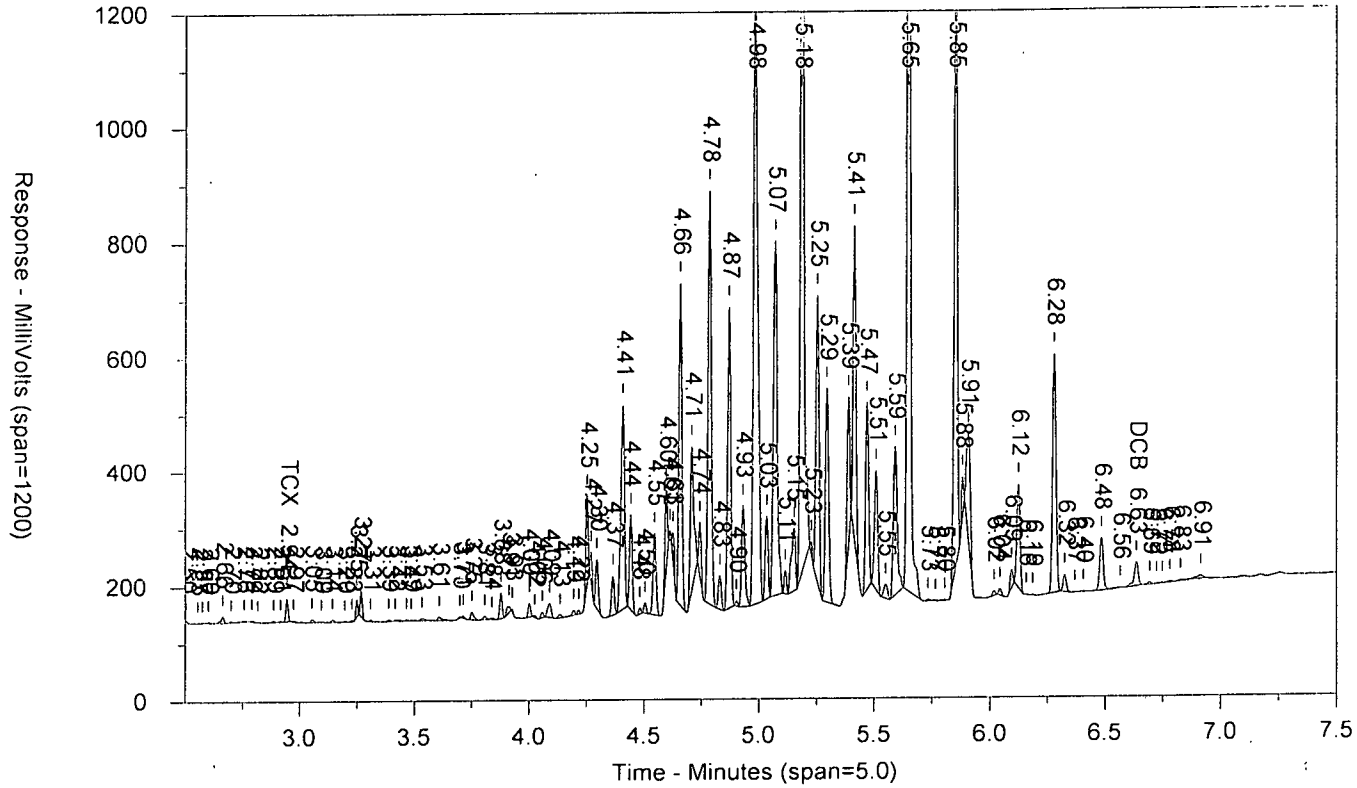

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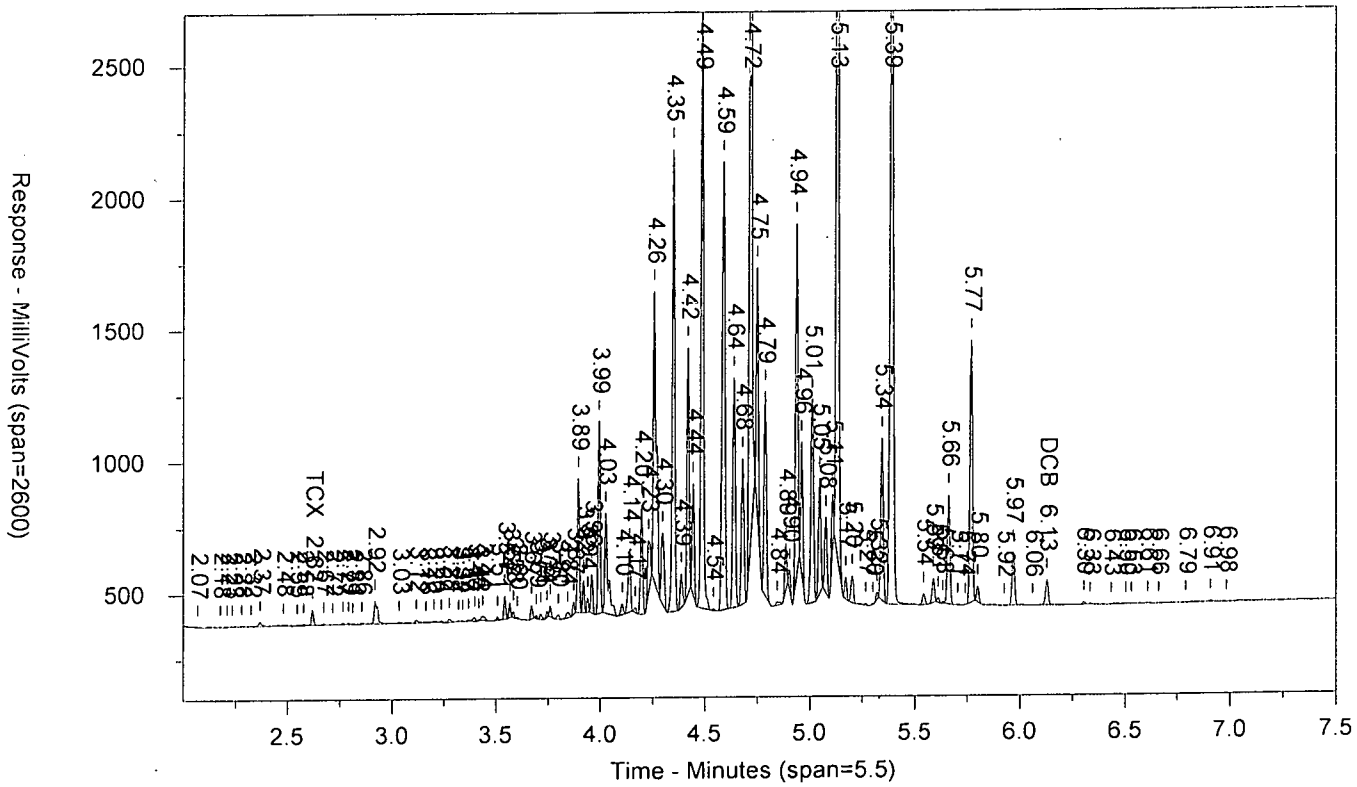

LANCASTER LABORATORIES

Sample Number: 8998335ACF DF100 ACA4702 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:01:12 AM Sample Weight: 10.22
Instrument ID: CP25-18274 Dilution Factor: 1000
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	40729	28.512	TCX	2.62	59189	30.413	TCX
6.634	42187	41.41	DCB	6.127	96645	40.116	DCB

Files:
Area File: 25pcbs17116016.089.RAW
Area File: 25pcbs17116016B.089.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 10:09:43 AM
File Reported On: 5/22/2017 at 10:09:56 AM

8998335ACF DF100 ACA4702 T 171390030A 10225 SW-846 8082

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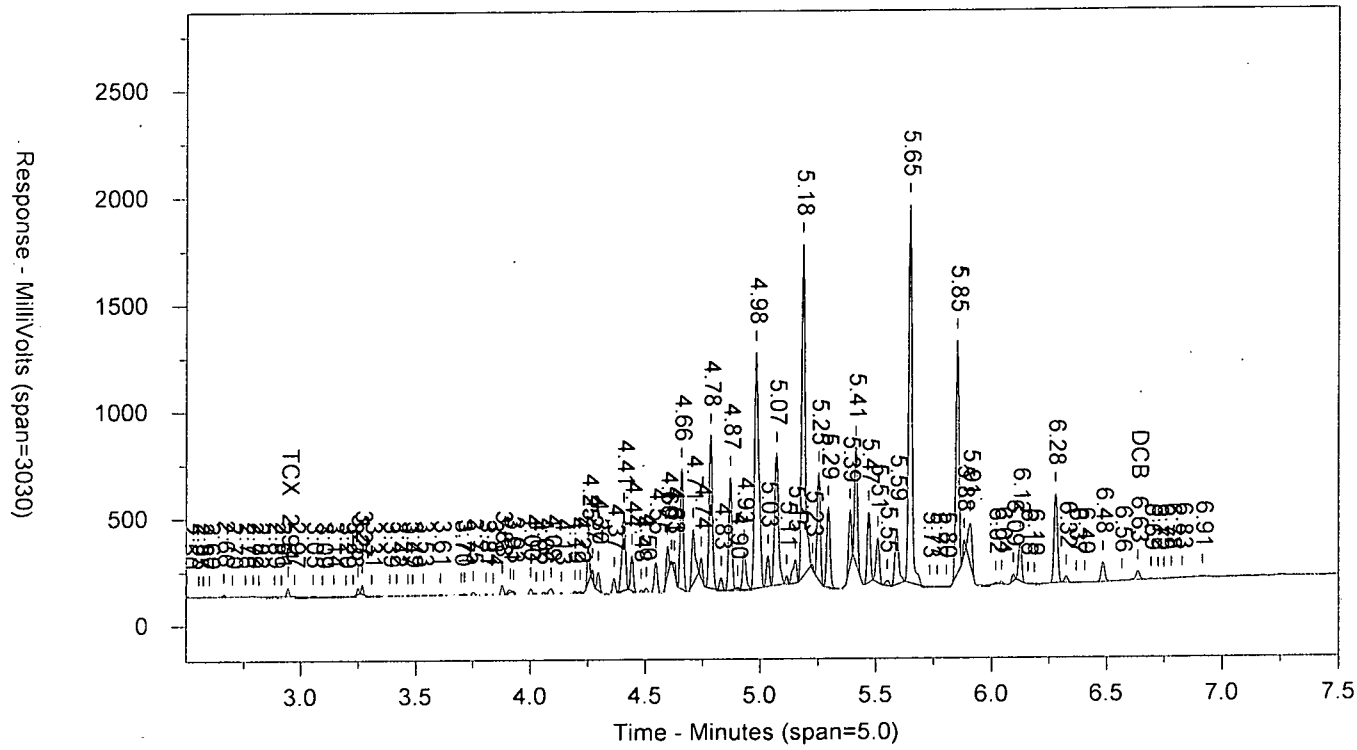

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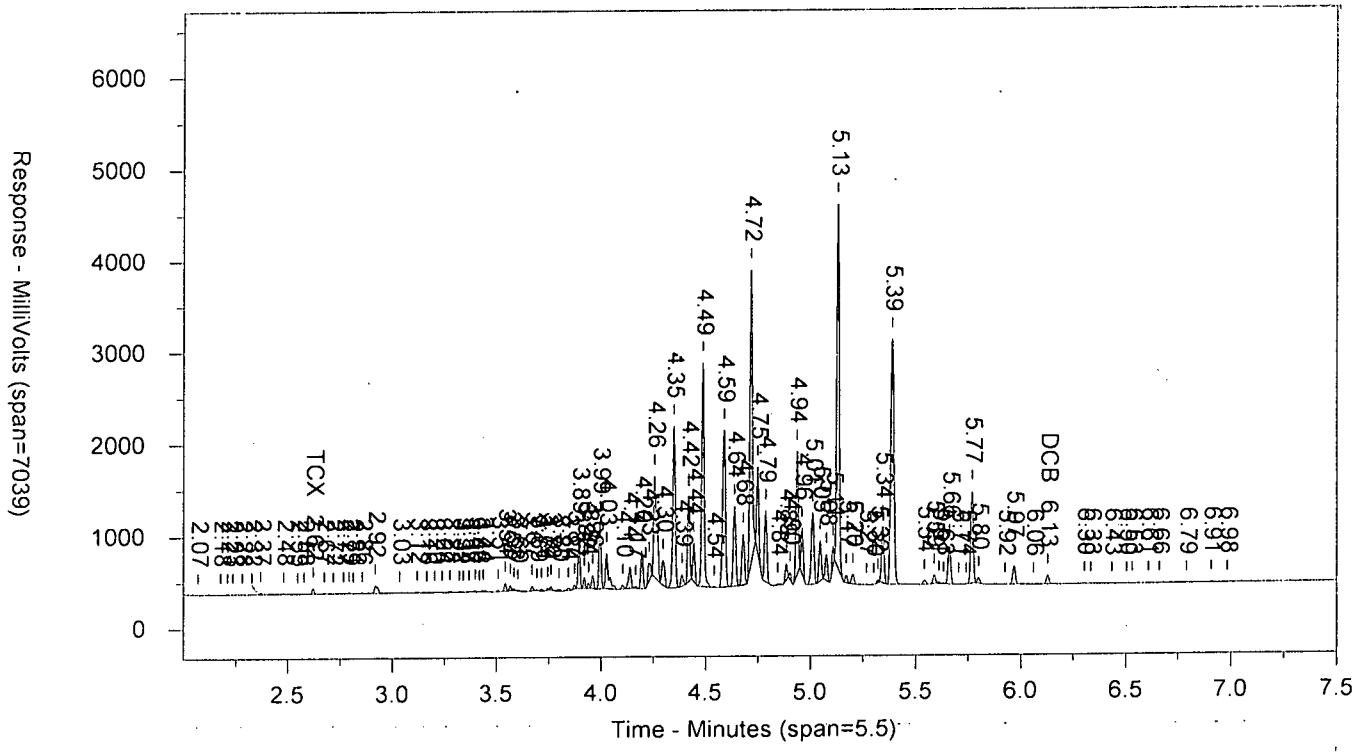

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Data Summary

Sample Name: 8998336 ACF DF5 A4703 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:12:32
Instrument	18274A
Result file	25PCBS17116016.090.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 29.12269
%SSR(DCB) 107% (48 - 164) Conc: 30.7818

Analysis Report (B)

Injected on	May 22, 2017 10:12:32
Instrument	18274B
Result file	25PCBS17116016B.090.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 101% (61 - 152) Conc: 29.26052
%SSR(DCB) 110% (48 - 164) Conc: 31.88224

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	824702	29.12269
Decachlorobiphenyl	6.61	6.63	6.67	621665	30.7818

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1128890	29.26052
Decachlorobiphenyl	6.10	6.13	6.16	1522666	31.88224

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.12269				0.47	
☑ Decachlorobiphenyl	B	31.88224				3.51	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.64**	
4.76	4.78	4.80	298107.4	304.19625			1
5.23	5.25	5.27	198289.6	297.493853			3
5.40	5.41	5.44	211521.3	291.227044			4
5.63	5.65	5.67	626630.1	318.210352			5
5.83	5.85	5.87	412733.4	343.156427			6

Height summation: **1747281.8**
Concentration CF: **310.856785** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.31**	
4.33	4.35	4.37	761551.6	357.95733			1
4.47	4.49	4.51	943003.1	386.950355			2
4.57	4.59	4.61	636001.2	304.014188			3
4.92	4.94	4.96	474368.4	283.007497			4
5.11	5.13	5.15	1376150	332.920953			5
5.37	5.39	5.41	988619.8	398.733898			6

Height summation: **5179694.1**
Concentration CF: **343.930704** 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	343.930704	251.7275	57.7493		10.10	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: **8998336** ACF DF5 A4703 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:12:32
Instrument : CP25--18274A
Result file : 25PCBS17116016.090.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 101% (61-152) Conc.: 29.12269 BOD
%SSR(DCB) : 107% (48-164) Conc.: 30.7818

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**112.43**	
3.18	3.20	3.22	1155.445	2.448833			1
3.40	3.43	3.44	1063.453	2.374646			2
3.51	3.54	3.55	1415.135	2.494334			3
3.73	3.76	3.77	10124.86	14.688227			4
3.79	3.81	3.83	3323.539	5.397825			5
3.98	4.00	4.02	12256.92	28.208054			6
Height Summation:			**29339.352**				
Amount Avg CF:			**9.268653**	Linear:			
Aroclor-1221					**3**	**113.82**	
3.07	3.09	3.11	978.2599	4.256371			1
3.13	3.14	3.17	4222.933	20.015739			2
3.18	3.20	3.22	1155.445	1.789394			3
Height Summation:			**6356.6379**				
Amount Avg CF:			**8.687168**	Linear:			
Aroclor-1232					**6**	**123.97**	
3.18	3.20	3.22	1155.445	2.002564			1
3.40	3.43	3.44	1063.453	4.969535			2
3.52	3.54	3.56	1415.135	5.026295			3
3.74	3.76	3.78	10124.86	29.324008			4
3.79	3.81	3.83	3323.539	11.569235			5
3.99	4.00	4.03	12256.92	65.260586			6
+ 3.99	4.03	4.03	2317.867	12.341221			6
Height Summation:			**29339.352**				
Amount Avg CF:			**19.692037**	Linear:			
Aroclor-1242					**6**	**112.01**	
3.18	3.20	3.22	1155.445	2.885633			1
3.40	3.43	3.44	1063.453	2.863049			2
3.51	3.54	3.55	1415.135	2.987463			3
3.73	3.76	3.77	10124.86	17.637193			4
3.79	3.81	3.83	3323.539	6.751807			5
3.98	4.00	4.02	12256.92	33.910389			6
Height Summation:			**29339.352**				
Amount Avg CF:			**11.172589**	Linear:			
Aroclor-1248					**6**	**203.85**	
3.79	3.81	3.83	3323.539	9.413137			1
3.86	3.88	3.90	17969.5	32.411071			2
3.98	4.00	4.02	12256.92	19.116983			3
4.07	4.09	4.11	13288.51	24.08539			4
4.25	4.27	4.29	19328.21	35.202788			5
4.64	4.66	4.68	330815.8	737.566157			6
Height Summation:			**396982.479**				
Amount Avg CF:			**142.965921**	Linear:			
Aroclor-1254					**6**	**59.18**	
4.24	4.25	4.28	85585.75	144.937652			1
+ 4.24	4.27	4.28	19328.21	32.731914			1
4.58	4.60	4.62	123608	176.358805			2
4.64	4.66	4.68	330815.8	244.103708			3
4.77	4.78	4.81	298107.4	680.706881			4
4.86	4.87	4.89	361614.4	362.778808			5
5.05	5.07	5.09	377599.2	509.322103			6
Height Summation:			**1577330.55**				
Amount Avg CF:			**353.03466**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:12:32
Instrument : CP25--18274B
Result file : 25PCBS17116016B.090.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 101% (61-152) Conc.: 29.26052
%SSR(DCB) : 110% (48-164) Conc.: 31.88224

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**75.87**	
2.89	2.92	2.93	24927.52	37.571963			1
+ 3.22	3.24	3.26	2789.338	3.157302			2
3.22	3.25	3.26	3214.681	3.638756			2
+ 3.41	3.42	3.45	6684.86	6.693831			3
3.41	3.45	3.45	13122.47	13.140079			3
3.49	3.51	3.53	3684.506	3.546341			4
3.65	3.67	3.69	25802.71	30.643941			5
+ 3.74	3.74	3.78	10517.3	13.67047			6
3.74	3.76	3.78	25962.74	33.746576			6
Height Summation:			**96714.627**				
Amount Avg CF:			**20.381276**	Linear:			
Aroclor-1221					**3**	**52.54**	
+ 2.77	2.79	2.81	2220.691	6.450752			1
2.77	2.81	2.81	2778.582	8.071336			1
2.84	2.86	2.88	5274.527	24.811224			2
2.89	2.92	2.93	24927.52	27.76868			3
Height Summation:			**32980.629**				
Amount Avg CF:			**20.21708**	Linear:			
Aroclor-1232					**6**	**80.36**	
2.89	2.92	2.93	24927.52	30.043558			1
+ 3.22	3.24	3.26	2789.338	6.69077			2
3.22	3.25	3.26	3214.681	7.711038			2
+ 3.41	3.42	3.45	6684.86	14.917342			3
3.41	3.45	3.45	13122.47	29.282942			3
3.49	3.51	3.53	3684.506	7.961446			4
3.65	3.67	3.69	25802.71	72.396686			5
+ 3.65	3.69	3.69	7765.663	21.788729			5
3.75	3.76	3.79	25962.74	72.981777			6
Height Summation:			**96714.627**				
Amount Avg CF:			**36.729575**	Linear:			
Aroclor-1242					**6**	**74.55**	
2.89	2.92	2.93	24927.52	44.861549			1
+ 3.22	3.24	3.26	2789.338	3.953601			2
3.22	3.25	3.26	3214.681	4.556481			2
+ 3.41	3.42	3.45	6684.86	8.334269			3
3.41	3.45	3.45	13122.47	16.360282			3
3.49	3.51	3.53	3684.506	4.502288			4
3.65	3.67	3.69	25802.71	37.711526			5
+ 3.74	3.74	3.78	10517.3	16.074818			6
3.74	3.76	3.78	25962.74	39.681887			6
Height Summation:			**96714.627**				
Amount Avg CF:			**24.612335**	Linear:			
Aroclor-1248					**6**	**175.14**	
+ 3.41	3.42	3.45	6684.86	16.736782			1
3.41	3.45	3.45	13122.47	32.854527			1
3.52	3.54	3.56	35688.86	34.97603			2
3.65	3.67	3.69	25802.71	21.14366			3
+ 3.74	3.74	3.78	10517.3	11.284058			4
3.74	3.76	3.78	25962.74	27.855539			4
3.88	3.89	3.92	210367.1	112.235523			5
4.24	4.26	4.28	637307.4	717.819081			6
Height Summation:			**948251.28**				
Amount Avg CF:			**157.81406**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998336** ACF DF5 A4703 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.13 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:12:32
Instrument : CP25--18274A
Result file : 25PCBS17116016.090.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	39.41	
4.76	4.78	4.80	298107.4	304.19625			1
5.05	5.07	5.09	377599.2	665.019353			2
5.23	5.25	5.27	198289.6	297.493853			3
5.40	5.41	5.44	211521.3	291.227044			4
5.63	5.65	5.67	626630.1	318.210352			5
5.83	5.85	5.87	412733.4	343.156427			6
Height Summation:			**2124881**				
Amount Avg CF:			**369.88388**	Linear:			
Aroclor-1262					6	28.18	
5.23	5.25	5.27	198289.6	166.704467			1
5.40	5.41	5.44	211521.3	206.523533			2
5.63	5.65	5.67	626630.1	237.321603			3
5.83	5.85	5.87	412733.4	254.811492			4
5.89	5.91	5.93	77837.53	104.835573			5
6.26	6.28	6.30	172612.3	180.089694			6
Height Summation:			**1699624.23**				
Amount Avg CF:			**191.714394**	Linear:			
Aroclor-1268					6	94.18	
5.83	5.85	5.87	412733.4	144.306357			1
5.89	5.91	5.93	77837.53	29.908651			2
6.03	6.04	6.07	12128.61	5.017951			3
+ 6.09	6.10	6.13	6865.762	10.919553			4
6.09	6.12	6.13	71548.22	113.792844			4
6.26	6.28	6.30	172612.3	168.486616			5
6.47	6.48	6.51	42813.52	5.089211			6
Height Summation:			**789673.58**				
Amount Avg CF:			**77.766938**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:12:32
Instrument : CP25--18274B
Result file : 25PCBS17116016B.090.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	57.80	
4.18	4.20	4.22	290431.2	186.648932			1
4.24	4.26	4.28	637307.4	223.086914			2
4.33	4.35	4.37	761551.6	580.618282			3
4.40	4.42	4.44	672485.9	352.063119			4
+ 4.40	4.44	4.44	166522.9	87.178886			4
4.47	4.49	4.51	943003.1	890.34549			5
4.62	4.64	4.66	674335.2	483.962071			6
Height Summation:			**3979114.4**				
Amount Avg CF:			**452.787468**	Linear:			
Aroclor-1260					6	13.31	
4.33	4.35	4.37	761551.6	357.95733			1
4.47	4.49	4.51	943003.1	386.950355			2
4.57	4.59	4.61	636001.2	304.014188			3
4.92	4.94	4.96	474368.4	283.007497			4
5.11	5.13	5.15	1376150	332.920953			5
5.37	5.39	5.41	988619.8	398.733898			6
Height Summation:			**5179694.1**				
Amount Avg CF:			**343.930703**	Linear:			
Aroclor-1262					6	37.49	
4.73	4.75	4.77	301362.8	112.489273			1
4.92	4.94	4.96	474368.4	179.040964			2
5.11	5.13	5.15	1376150	248.205251			3
5.33	5.34	5.36	221007.1	106.011938			4
5.37	5.39	5.41	988619.8	273.180414			5
5.75	5.77	5.79	363541.8	174.912261			6
Height Summation:			**3725049.9**				
Amount Avg CF:			**182.306683**	Linear:			
Aroclor-1268					6	117.80	
5.33	5.34	5.37	221007.1	33.557086			1
5.37	5.39	5.41	988619.8	154.34974			2
5.53	5.54	5.57	31123.48	5.58522			3
5.59	5.61	5.63	24354.83	17.749037			4
5.75	5.77	5.79	363541.8	156.630605			5
5.95	5.97	5.99	90297.88	4.563215			6
Height Summation:			**1718944.89**				
Amount Avg CF:			**62.072484**	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		** 74.96	4	40	
Aroclor-1221			251.7275	75.5183		** 79.78	3	5	
Aroclor-1232			251.7275	60.7108		** 60.39	4	10	
Aroclor-1242			251.7275	60.7108		** 75.11	4	30	
Aroclor-1248			251.7275	48.8648		9.87	4	40	
Aroclor-1254			251.7275	65.153		24.76	4	40	
Aroclor-1260			251.7275	57.7493		7.27	4	40	
Aroclor-1262			251.7275	48.8648		5.03	4	40	
Aroclor-1268			251.7275	48.8648		22.45	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998336ACF DF5 ACA4703 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:12:32 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: 25pcbs17116016.090.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.021		1033	1256
2.044		8447	9450
2.093		7742	11223
2.145		46993	30859
2.167		676	239
2.177		1313	587
2.212		11766	8218
2.239		3058	2739
2.299		910	677
2.339		16843	12476
2.377		2270	1987
2.405		13484	9038
2.456		603	409
2.469		348	133
2.502		5250	6157
2.546		1425	1109
2.601		1610	1303
2.664		8290	6436
2.699		1179	763
2.718		1388	800
2.75		4429	4999
2.791		14110	12505
2.885		2613	2037
2.915		2992	2447
2.944	TCX	824702	577406
3.007		465	395
3.056		2355	2181
3.092		978	637
3.142		4223	3658
3.197		1155	743
3.227		1390	959
3.249		8743	4966
3.267		12765	8355
3.306		1218	835
3.387		1980	2070
3.432		1063	1676
3.467		1887	1317
3.487		629	404
3.51		450	208
3.541		1415	2548
3.609		3691	2776
3.633		2162	1484
3.696		6470	5060
3.721		2901	2025
3.756		10125	11136
3.805		3324	3451
3.842		1929	2228
3.877		17970	13718
3.906		5855	5056
3.926		13181	8444
3.964		1863	1365
4.002		12257	9307
4.026		2318	1413
4.058		5787	4233

RT A	Compound A	Height A	Area A
4.091		13289	14454
4.137		5930	5879
4.195		10273	8095
4.217		4071	2423
4.253		85586	63588
4.27		19328	9775
4.295		83834	74361
4.366		37112	31367
4.408		203120	249489
4.443		123648	105211
4.483		7505	5333
4.505		11728	8534
4.547		99155	94137
4.597		123608	106357
4.627		67092	47193
4.658		330816	308482
4.708		96250	95807
4.742		60673	46208
4.784		298107	302895
4.829		45682	40077
4.87		361614	349960
4.903		5015	3048
4.931		78368	87777
4.982		460355	605374
5.033		53466	45658
5.068		377599	447341
5.115		26680	18128
5.151		50779	62647
5.186		672056	726989
5.226		9375	4587
5.253		198290	186311
5.296		148968	153425
5.388		138627	110679
5.413		211521	181426
5.47		140439	131198
5.508		82073	78507
5.549		11597	12218
5.587		125370	155393
5.649		626630	702352
5.731		1150	923
5.765		640	378
5.799		936	1139
5.851		412733	402727
5.881		29859	19826
5.908		77838	85093
5.958		676	287
6.018		2163	3291
6.044		12129	11562
6.095		6866	5824
6.122		71548	68905
6.159		843	766
6.279		172612	177373
6.324		10481	9359
6.373		1516	2022
6.411		940	1527
6.484		42814	44235
6.563		1552	2204
6.634	DCB	621665	696737
6.69		1319	1038
6.743		714	525
6.786		1888	2845
6.828		1955	2211
6.912		6073	12566

LANCASTER LABORATORIES

Sample Number: 8998336ACF DF5 ACA4703 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:12:32 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.090.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.056		1996	2507
2.118		15091	10418
2.161		1406	783
2.21		2161	2515
2.238		3182	3381
2.28		2306	3615
2.368		11092	9962
2.42		1308	898
2.439		3479	2027
2.479		4258	9844
2.537		2570	1319
2.553		22901	19146
2.596		2275	1240
2.62	TCX	1128890	704771
2.711		1838	3625
2.764		3287	2734
2.79		2221	1283
2.813		2779	4566
2.856		5275	4861
2.918		24928	30746
3.033		2948	4544
3.119		5790	5387
3.14		2595	3061
3.193		3371	4834
3.239		2789	1751
3.255		3215	1566
3.276		7569	7945
3.338		11145	8150
3.365		4042	3083
3.393		4642	3910
3.419		6685	4457
3.447		13122	14516
3.507		3685	3284
3.542		35689	22072
3.566		32341	18171
3.584		32242	17168
3.602		3087	2077
3.671		25803	16600
3.693		7766	4225
3.715		10621	8235
3.744		10517	5170
3.76		25963	14515
3.799		12184	9719
3.846		11534	13851
3.872		67017	42176
3.895		210367	139296
3.919		136468	83160
3.94		31902	16760
3.96		88482	59334
3.994		396206	282756
4.026		311597	354397
4.104		29334	24926
4.139		185284	154571
4.197		290431	223184

RT B	Compound B	Height B	Area B
4.229		186273	145375
4.257		637307	584728
4.296		117012	114468
4.349		761552	628099
4.386		95101	74423
4.419		672486	480364
4.443		166523	112920
4.486		943003	811361
4.587		636001	659946
4.637		674335	554404
4.679		227247	203288
4.716		1329566	1129294
4.748		301363	217452
4.787		297721	238060
4.863		40256	32047
4.885		58147	34706
4.903		40498	25090
4.936		474368	357559
4.96		257128	184286
5.011		291743	263251
5.046		173215	138062
5.076		108024	89052
5.108		111094	69810
5.13		1376151	1127264
5.171		29455	20371
5.202		51117	41730
5.267		2506	1565
5.32		10568	6512
5.344		221007	188843
5.388		988620	1066746
5.544		31123	28056
5.59		35580	26538
5.612		24355	17654
5.661		164985	144999
5.704		1618	2178
5.768		363542	316251
5.8		21844	16431
5.933		1205	1074
5.967		90298	79378
6.001		1741	2189
6.127	DCB	1522666	1355538
6.305		3391	2732
6.335		2922	3512
6.735		1459	1232
6.909		4926	8899

8998336ACF DF5 ACA4703 T 171390030A 10225 SW-846 8082

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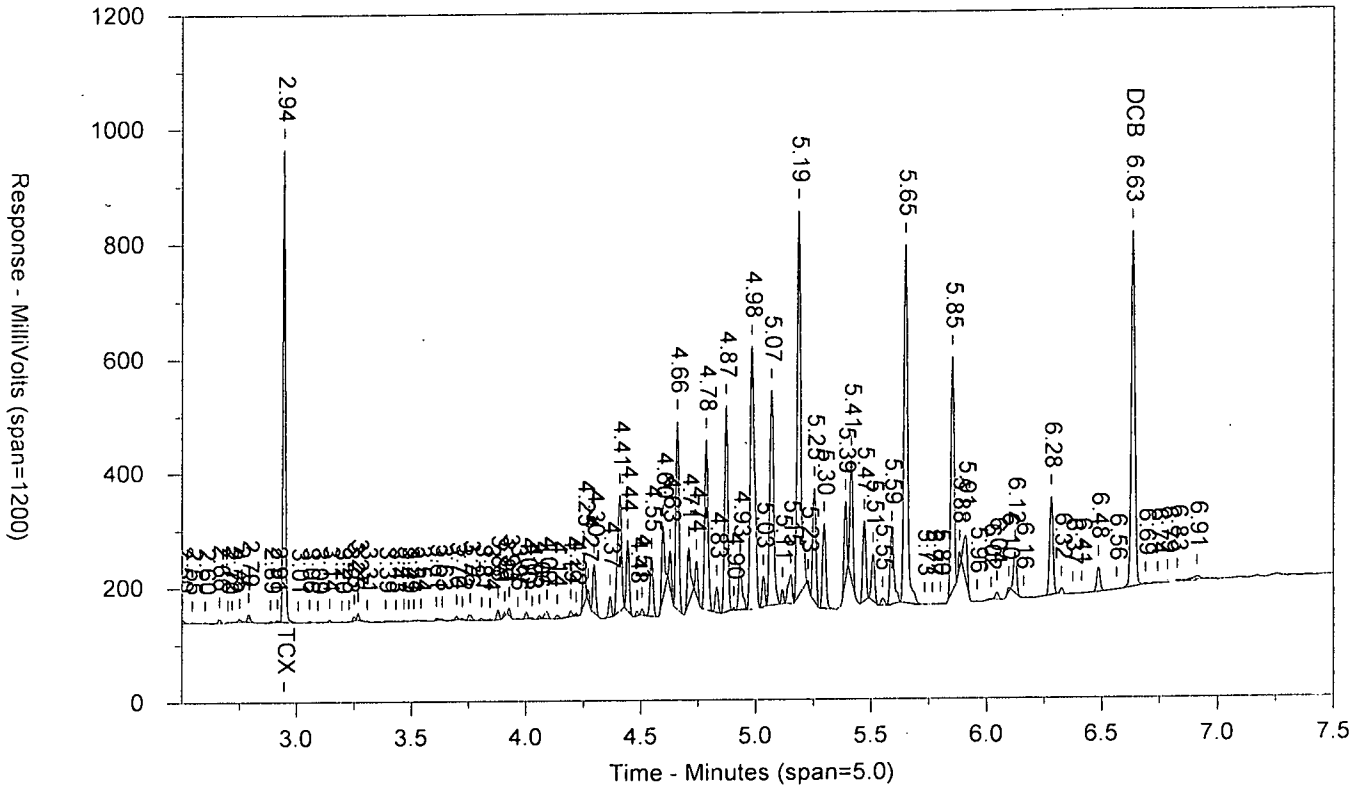

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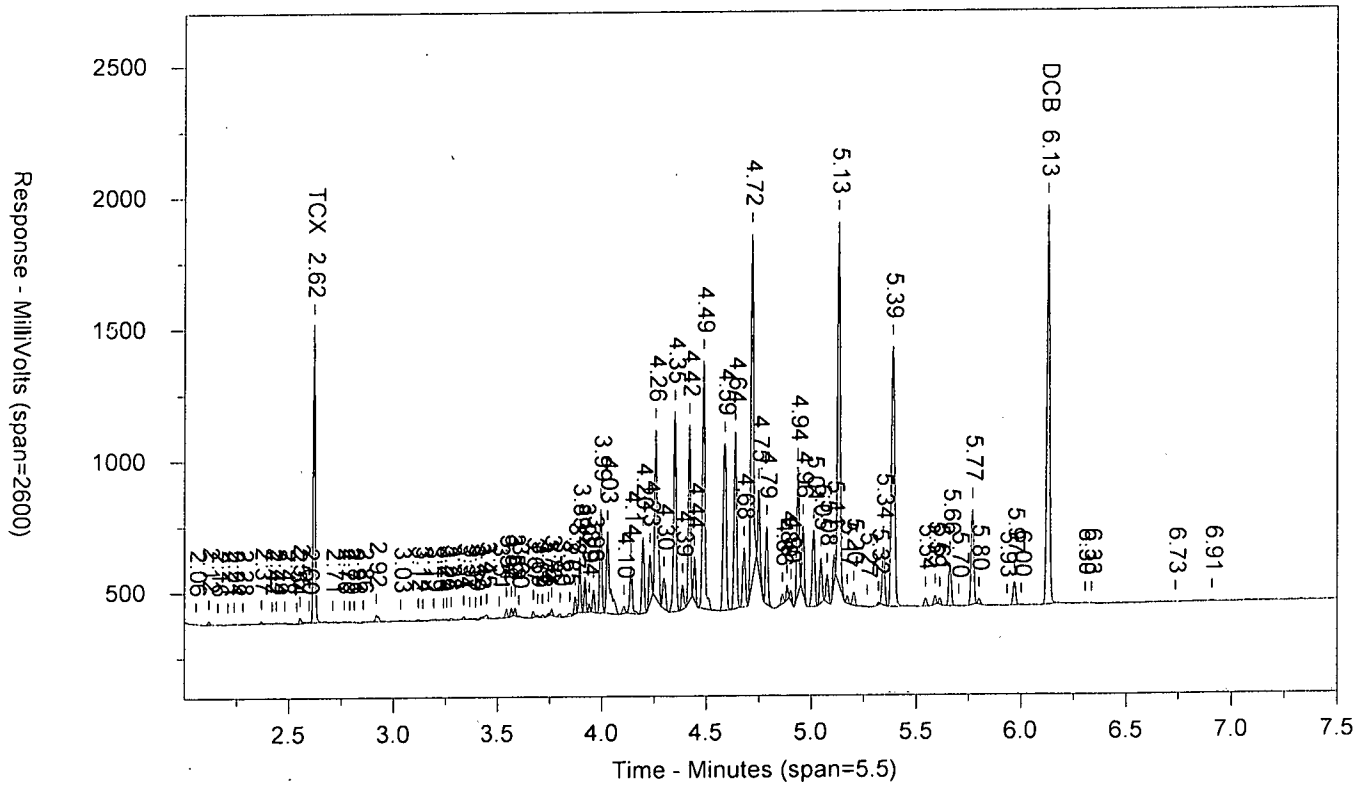

LANCASTER LABORATORIES

Sample Number: 8998336ACF DF5 ACA4703 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:12:32 AM
Sample Weight: 10.13
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	824702	29.123	TCX	2.62	1128890	29.261	TCX
6.634	621665	30.782	DCB	6.127	1522666	31.882	DCB

Files:
Area File: 25pcbs17116016.090.RAW
Area File: 25pcbs17116016B.090.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 10:21:04 AM
File Reported On: 5/22/2017 at 10:21:12 AM

8998336ACF DF5 ACA4703 T 171390030A 10225 SW-846 8082

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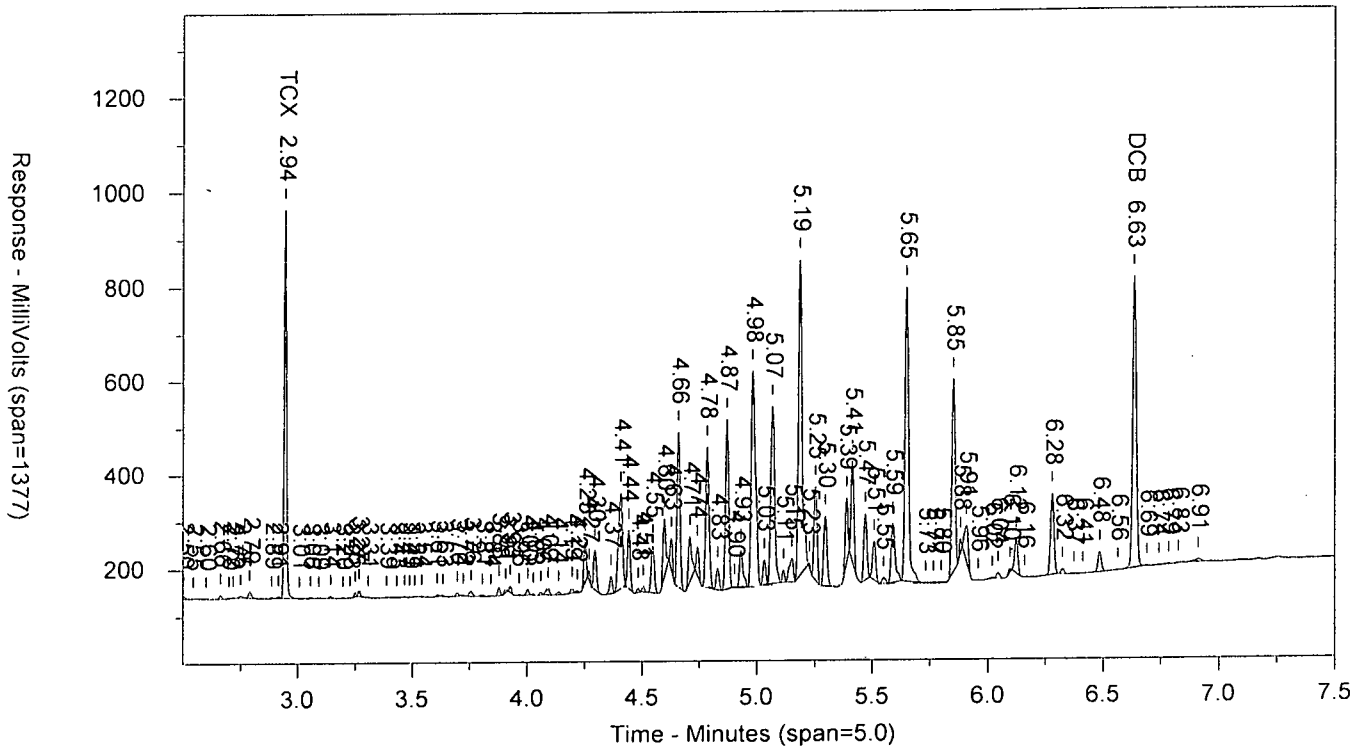

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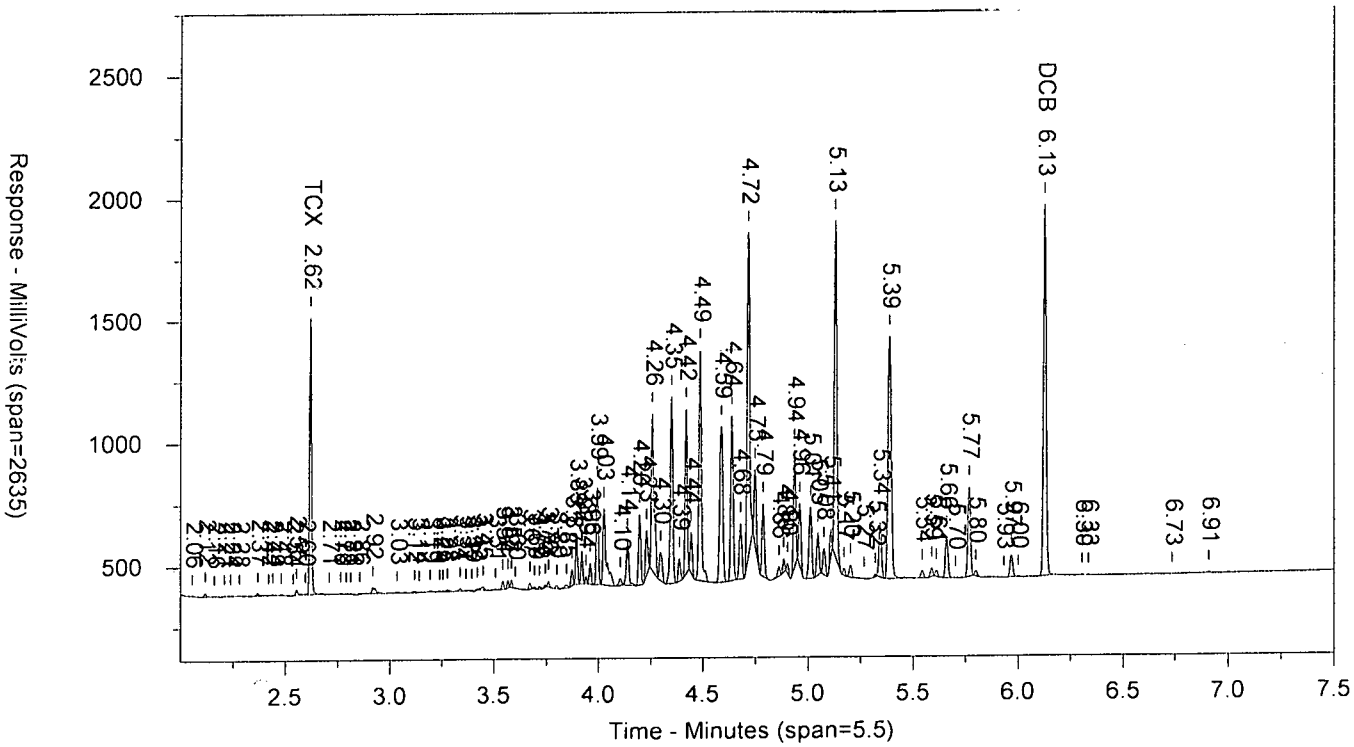

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Data Summary

Sample Name: 8998337 ACF DF20 A4704 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.29 g Total Volume: 200 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:24:14
Instrument	18274A
Result file	25PCBS17116016.091.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 28.75979
%SSR(DCB) 121% (48 - 164) Conc: 34.37287

Analysis Report (B)

Injected on	May 22, 2017 10:24:14
Instrument	18274B
Result file	25PCBS17116016B.091.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 103% (61 - 152) Conc: 29.21017
%SSR(DCB) 115% (48 - 164) Conc: 32.79368

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.95	2.97	206822	28.75979
Decachlorobiphenyl	6.61	6.64	6.67	176289	34.37287

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	286187	29.21017
Decachlorobiphenyl	6.10	6.13	6.16	397733	32.79368

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	28.75979				1.55	
☑ Decachlorobiphenyl	A	34.37287				4.70	

Multiple Component Data

Aroclor-1260 (%RSD 6.62)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.79	4.80	1237156	4971.18158			1
5.05	5.07	5.09	796791.1	5525.883886			2
5.23	5.26	5.27	807149.1	4768.545032			3
5.40	5.42	5.44	874053.6	4738.814658			4
5.63	5.65	5.67	2727327	5453.738693			5
5.83	5.85	5.87	1587737	5198.225917			6

Height summation: **8030213.8**
Concentration CF: **5109.398294** L:

Aroclor-1260 (%RSD 10.73)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	3067136	5677.001649			1
4.47	4.49	4.51	4172830	6742.592027			2
4.57	4.59	4.61	2860324	5384.00196			3
4.92	4.94	4.96	2232780	5245.44316			4
5.11	5.13	5.15	6245995	5950.192942			5
5.37	5.39	5.41	4197888	6667.127541			6

Height summation: **22776953**
Concentration CF: **5944.393213** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<991.2536	<192.4198			4	
☑ PCB-1221			<991.2536	<297.3761			3	
☑ PCB-1232			<991.2536	<239.067			4	
☑ PCB-1242			<991.2536	<239.067			4	
☑ PCB-1248			<991.2536	<192.4198			4	
☑ PCB-1254			<991.2536	<256.5598			4	
☑ PCB-1260	B	5944.393213	991.2536	227.4052		15.11	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: **8998337** ACF DF20 A4704 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.29 g Total Volume: 200 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:24:14
Instrument : CP25--18274A
Result file : 25PCBS17116016.091.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 101% (61-152) Conc.: 28.75979 PACS
%SSR(DCB) : 121% (48-164) Conc.: 34.37287

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**78.00**	
3.18	3.20	3.22	1964.226	16.392886			1
3.40	3.43	3.44	4723.869	41.536748			2
3.51	3.53	3.55	9238.196	64.120651			3
3.73	3.76	3.77	20777.8	118.695425			4
3.79	3.81	3.83	8555.519	54.716521			5
3.98	4.00	4.02	20886.89	189.286486			6
Height Summation:			**66146.5**				
Amount Avg CF:			**80.791453**	Linear:			
Aroclor-1221					**3**	**34.60**	
3.07	3.10	3.11	1064.986	18.246654			1
3.13	3.15	3.17	1319.809	24.633299			2
3.18	3.20	3.22	1964.226	11.978492			3
Height Summation:			**4349.021**				
Amount Avg CF:			**18.286148**	Linear:			
Aroclor-1232					**6**	**87.94**	
3.18	3.20	3.22	1964.226	13.405489			1
3.40	3.43	3.44	4723.869	86.925927			2
3.52	3.53	3.56	9238.196	129.208582			3
3.74	3.76	3.78	20777.8	236.967033			4
3.79	3.81	3.83	8555.519	117.27469			5
3.99	4.00	4.03	20886.89	437.922698			6
Height Summation:			**66146.5**				
Amount Avg CF:			**170.28407**	Linear:			
Aroclor-1242					**6**	**77.57**	
3.18	3.20	3.22	1964.226	19.316893			1
3.40	3.43	3.44	4723.869	50.079774			2
3.51	3.53	3.55	9238.196	76.797285			3
3.73	3.76	3.77	20777.8	142.525992			4
3.79	3.81	3.83	8555.519	68.441521			5
3.98	4.00	4.02	20886.89	227.551269			6
Height Summation:			**66146.5**				
Amount Avg CF:			**97.452122**	Linear:			
Aroclor-1248					**6**	**143.39**	
3.79	3.81	3.83	8555.519	95.418819			1
3.86	3.88	3.90	97683.26	693.795683			2
3.98	4.00	4.02	20886.89	128.282036			3
4.07	4.10	4.11	30391.38	216.911154			4
4.25	4.26	4.29	357891.5	2566.793125			5
4.64	4.66	4.68	662223.8	5813.980678			6
Height Summation:			**1177632.349**				
Amount Avg CF:			**1585.863583**	Linear:			
Aroclor-1254					**6**	**105.14**	
4.24	4.26	4.28	357891.5	2386.630617			1
4.58	4.60	4.62	116130.8	652.45723			2
+ 4.58	4.62	4.62	94291.64	529.758361			2
4.64	4.66	4.68	662223.8	1924.185689			3
4.77	4.79	4.81	1237156	11124.126321			4
4.86	4.87	4.89	409527	1617.829667			5
5.05	5.07	5.09	796791.1	4232.139693			6
Height Summation:			**3579720.2**				
Amount Avg CF:			**3656.228203**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:24:14
Instrument : CP25--18274B
Result file : 25PCBS17116016B.091.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 103% (61-152) Conc.: 29.21017
%SSR(DCB) : 115% (48-164) Conc.: 32.79368

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**105.25**	
2.89	2.92	2.93	156258.4	927.43237			1
3.22	3.24	3.26	17218.32	76.746729			2
3.41	3.42	3.45	88238.93	347.933857			3
+ 3.41	3.45	3.45	26586.5	104.832906			3
3.49	3.51	3.53	19966.69	75.676554			4
3.65	3.67	3.69	45588.54	213.200903			5
+ 3.74	3.75	3.78	26514.91	135.71361			6
3.74	3.76	3.78	37064.41	189.71005			6
Height Summation:			**364335.29**				
Amount Avg CF:			**305.116744**	Linear:			
Aroclor-1221					**2**	**122.11**	
2.77	2.79	2.81	4392.221	50.241251			1
2.89	2.92	2.93	156258.4	685.446544			3
Height Summation:			**160650.621**				
Amount Avg CF:			**367.843898**	Linear:			
Aroclor-1232					**6**	**57.91**	
2.89	2.92	2.93	156258.4	741.600006			1
3.22	3.24	3.26	17218.32	162.63716			2
3.41	3.42	3.45	88238.93	775.377898			3
+ 3.41	3.45	3.45	26586.5	233.622331			3
3.49	3.51	3.53	19966.69	169.891967			4
3.65	3.67	3.69	45588.54	503.689749			5
+ 3.75	3.75	3.79	26514.91	293.500017			6
3.75	3.76	3.79	37064.41	410.27501			6
Height Summation:			**364335.29**				
Amount Avg CF:			**460.578632**	Linear:			
Aroclor-1242					**6**	**103.42**	
2.89	2.92	2.93	156258.4	1107.369676			1
3.22	3.24	3.26	17218.32	96.1029			2
3.41	3.42	3.45	88238.93	433.201033			3
+ 3.41	3.45	3.45	26586.5	130.524013			3
3.49	3.51	3.53	19966.69	96.075827			4
3.65	3.67	3.69	45588.54	262.372628			5
+ 3.74	3.75	3.78	26514.91	159.582775			6
3.74	3.76	3.78	37064.41	223.076051			6
Height Summation:			**364335.29**				
Amount Avg CF:			**369.699686**	Linear:			
Aroclor-1248					**6**	**139.22**	
3.41	3.42	3.45	88238.93	869.949268			1
+ 3.41	3.45	3.45	26586.5	262.116803			1
3.52	3.54	3.56	181377.7	699.964143			2
3.65	3.67	3.69	45588.54	147.104034			3
+ 3.74	3.75	3.78	26514.91	112.022499			4
3.74	3.76	3.78	37064.41	156.592945			4
3.88	3.90	3.92	768603	1614.762486			5
+ 4.24	4.24	4.28	245806.2	1090.216955			6
4.24	4.26	4.28	1311717	5817.819541			6
Height Summation:			**2432589.58**				
Amount Avg CF:			**1551.032069**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998337** ACF DF20 A4704 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.29 g Total Volume: 200 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:24:14
Instrument : CP25--18274A
Result file : 25PCBS17116016.091.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	6.62	
4.76	4.79	4.80	1237156	4971.18158			1
5.05	5.07	5.09	796791.1	5525.883886			2
5.23	5.26	5.27	807149.1	4768.545032			3
5.40	5.42	5.44	874053.6	4738.814658			4
5.63	5.65	5.67	2727327	5453.738693			5
5.83	5.85	5.87	1587737	5198.225917			6
Height Summation:			**8030213.8**				
Amount Avg CF:			**5109.398294**	Linear:			
Aroclor-1262					6	32.81	
5.23	5.26	5.27	807149.1	2672.114899			1
5.40	5.42	5.44	874053.6	3360.528381			2
E 5.63	5.65	5.67	2727327	4067.403847			3
5.83	5.85	5.87	1587737	3859.953052			4
5.89	5.91	5.93	273527.6	1450.690761			5
6.26	6.28	6.30	603412.5	2479.051132			6
Height Summation:			**6873206.8**				
Amount Avg CF:			**2981.623679**	Linear:			
Aroclor-1268					6	95.76	
5.83	5.85	5.87	1587737	2185.991535			1
5.89	5.91	5.93	273527.6	413.869094			2
6.03	6.04	6.07	19946.87	32.497071			3
+ 6.09	6.10	6.13	48292.34	302.446408			4
6.09	6.12	6.13	265897.4	1665.268519			4
6.26	6.28	6.30	603412.5	2319.327266			5
6.47	6.49	6.51	127240.8	59.55935			6
Height Summation:			**2877762.17**				
Amount Avg CF:			**1112.752139**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:24:14
Instrument : CP25--18274B
Result file : 25PCBS17116016B.091.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	114.60	
4.18	4.20	4.22	451896.1	1143.60197			1
4.24	4.26	4.28	1311717	1808.087079			2
4.33	4.35	4.37	3067136	9208.278945			3
4.40	4.42	4.44	668556.2	1378.254224			4
4.47	4.49	4.51	4172830	15514.228967			5
4.62	4.64	4.66	694906.4	1963.884171			6
Height Summation:			**10367041.7**				
Amount Avg CF:			**5169.389226**	Linear:			
Aroclor-1260					6	10.73	
4.33	4.35	4.37	3067136	5677.001649			1
4.47	4.49	4.51	4172830	6742.592027			2
4.57	4.59	4.61	2860324	5384.00196			3
4.92	4.94	4.96	2232780	5245.44316			4
5.11	5.13	5.15	6245995	5950.192942			5
5.37	5.39	5.41	4197888	6667.127541			6
Height Summation:			**22776953**				
Amount Avg CF:			**5944.393213**	Linear:			
Aroclor-1262					6	36.79	
4.73	4.75	4.77	1531627	2251.274968			1
4.92	4.94	4.96	2232780	3318.460499			2
E 5.11	5.13	5.15	6245995	4436.095469			3
5.33	5.35	5.36	887036.9	1675.499473			4
E 5.37	5.39	5.41	4197888	4567.779844			5
5.75	5.77	5.79	1467360	2780.075816			6
Height Summation:			**16562686.9**				
Amount Avg CF:			**3171.531012**	Linear:			
Aroclor-1268					6	128.08	
5.33	5.35	5.37	887036.9	530.363669			1
5.37	5.39	5.41	4197888	2580.84254			2
5.53	5.55	5.57	57380.39	40.548023			3
5.59	5.61	5.63	26555.65	76.208022			4
5.75	5.77	5.79	1467360	2489.505047			5
5.95	5.97	5.99	282258.5	56.168715			6
Height Summation:			**6918479.44**				
Amount Avg CF:			**962.272669**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			991.2536	192.4198		** 116.26	4	40	
Aroclor-1221			991.2536	297.3761		** 181.06	3	5	
Aroclor-1232			991.2536	239.067		** 92.03	4	10	
Aroclor-1242			991.2536	239.067		** 116.56	4	30	
Aroclor-1248			991.2536	192.4198		2.22	4	40	
Aroclor-1254			991.2536	256.5597		34.29	4	40	
Aroclor-1260			991.2536	227.4052		15.11	4	40	
Aroclor-1262			991.2536	192.4198	E	6.17	4	40	
Aroclor-1268			991.2536	192.4198		14.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998337ACF DF20 ACA4704 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:24:14 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: 25pcbs17116016.091.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.022		343	359
2.055		4727	5713
2.091		4132	5587
2.147		9404	8464
2.214		16077	11558
2.342		1593	1589
2.378		2156	1880
2.407		1066	750
2.505		2262	3219
2.549		472	277
2.598		613	545
2.65		1156	604
2.666		12568	7786
2.719		339	649
2.759		2523	5596
2.82		1056	932
2.857		443	437
2.892		976	762
2.918		1283	1068
2.946	TCX	206822	146493
3.01		435	567
3.054		2736	1961
3.097		1065	1156
3.146		1320	1523
3.2		1964	1656
3.252		20233	11733
3.27		94167	57248
3.293		1451	790
3.337		858	722
3.391		353	290
3.426		4724	8413
3.471		895	502
3.49		2126	2566
3.535		9238	6693
3.573		1026	1056
3.608		7495	7010
3.644		930	793
3.663		992	614
3.705		1504	991
3.726		47921	36945
3.759		20778	18616
3.809		8556	7363
3.849		5218	4228
3.88		97683	73701
3.907		47210	36005
3.929		14366	7747
4.005		20887	15527
4.028		3190	2093
4.061		12275	8862
4.096		30391	37184
4.141		7484	6925
4.17		900	539
4.197		10274	7119
4.22		8947	5528

RT A	Compound A	Height A	Area A
4.256		357892	348539
4.3		70098	62697
4.368		104666	87762
4.411		501203	519639
4.446		169365	144444
4.486		12277	8907
4.508		20420	15015
4.549		154388	148354
4.6		116131	79812
4.616		94292	101471
4.661		662224	623786
4.711		453079	501326
4.746		110234	80623
4.787		1237156	1208101
4.832		44650	38131
4.872		409527	421543
4.905		13804	8422
4.933		262138	271598
4.985		1839722	2240079
5.035		241515	222393
5.074		796791	891214
5.117		37098	23735
5.154		159946	196731
5.188		2308913	2420003
5.229		27542	12136
5.255		807149	753432
5.297		578210	574302
5.337		5416	3817
5.391		311746	250171
5.415		874054	768034
5.471		504836	478383
5.51		315143	305336
5.552		45052	48988
5.592		317966	360234
5.65		2727327	2803700
5.737		2332	1939
5.766		918	865
5.796		1512	1702
5.853		1587737	1522978
5.885		91815	66682
5.91		273528	302833
5.954		1116	696
6.021		8498	6879
6.044		19947	17951
6.096		48292	37263
6.124		265897	252898
6.191		1207	987
6.227		574	281
6.282		603413	635265
6.327		41089	40284
6.377		483	285
6.419		1136	1882
6.485		127241	137162
6.545		464	412
6.564		1223	1187
6.636	DCB	176289	202011
6.692		4992	4913
6.746		926	711
6.779		1859	2804
6.835		2218	3263
6.917		6222	17424

LANCASTER LABORATORIES

Sample Number: 8998337ACF DF20 ACA4704 T 171390030A · 10225 SW-846 8082
Injected On: 5/22/2017 10:24:14 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.091.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.116		2239	1528
2.16		1982	1996
2.241		2914	4248
2.317		2214	2384
2.368		19722	17227
2.47		1662	1639
2.498		1593	1764
2.548		999	1202
2.62	TCX	286187	184881
2.724		1844	2705
2.793		4392	2600
2.882		1392	1974
2.918		156258	132223
3.018		4090	3066
3.041		4803	2870
3.116		8354	10363
3.166		1914	1367
3.189		2822	1784
3.214		2456	1537
3.237		17218	13784
3.277		12451	10081
3.327		12240	12439
3.369		1795	928
3.398		14595	12657
3.419		88239	55328
3.449		26587	16187
3.509		19967	18644
3.544		181378	116055
3.568		132853	78143
3.586		50440	24751
3.673		45589	30551
3.696		11090	5818
3.724		34322	33950
3.747		26515	14076
3.763		37064	23234
3.801		16838	14015
3.844		28604	28513
3.875		18915	11521
3.896		768603	528189
3.922		70121	38543
3.941		77618	43408
3.961		216865	143940
3.996		1065264	738656
4.028		368627	368355
4.067		23894	13031
4.107		48063	39617
4.141		247813	206989
4.169		29698	27116
4.199		451896	334964
4.24		245806	222631
4.259		1311717	1537322
4.298		463133	462913
4.351		3067136	2376825
4.389		102922	96651

RT B	Compound B	Height B	Area B
4.421		668556	462349
4.445		721577	513554
4.487		4172830	3196404
4.541		10346	8010
4.589		2860324	2777453
4.641		694906	596180
4.681		874139	739105
4.718		4852019	4068893
4.75		1531627	1073938
4.789		1284455	1014697
4.831		3609	1674
4.847		5250	2603
4.888		365411	433629
4.939		2232780	1697230
4.962		566702	390596
5.013		1268501	1123382
5.048		714062	552173
5.078		446834	362798
5.11		176655	104621
5.132		6245995	5154494
5.174		119108	87390
5.204		154633	129674
5.269		6337	4053
5.322		42686	27100
5.346		887037	757268
5.39		4197889	4364750
5.545		57380	50865
5.591		129873	104888
5.613		26556	15868
5.635		6588	3446
5.662		630449	538575
5.704		3702	3741
5.77		1467360	1217164
5.801		84624	64193
5.97		282259	254783
6.129	DCB	397733	374433
6.306		11940	9360
6.335		8478	7061
6.487		847	896
6.535		1275	670
6.615		2756	4751
6.691		1112	835
6.787		923	1416
6.913		5430	8959
6.988		2501	2603

8998337ACF DF20 ACA4704 T 171390030A 10225 SW-846 8082

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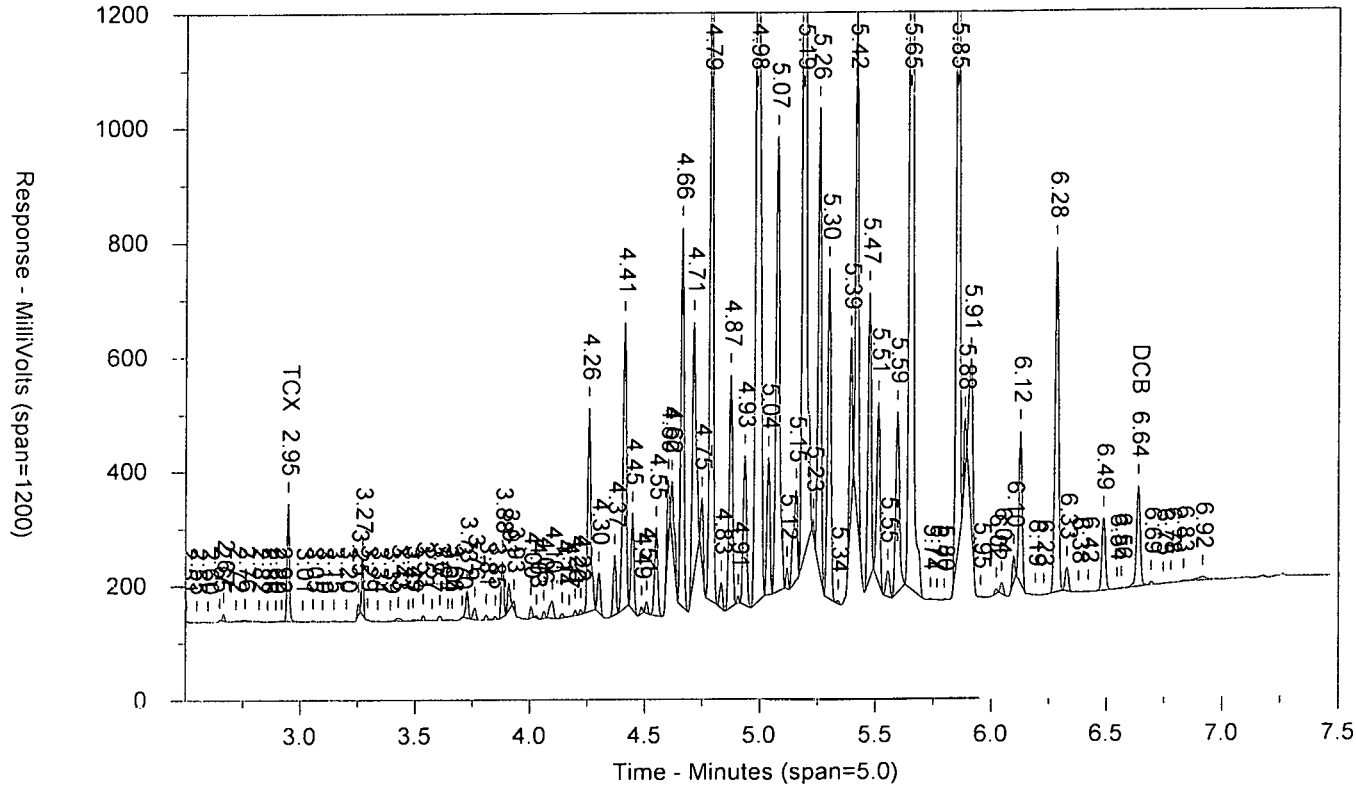

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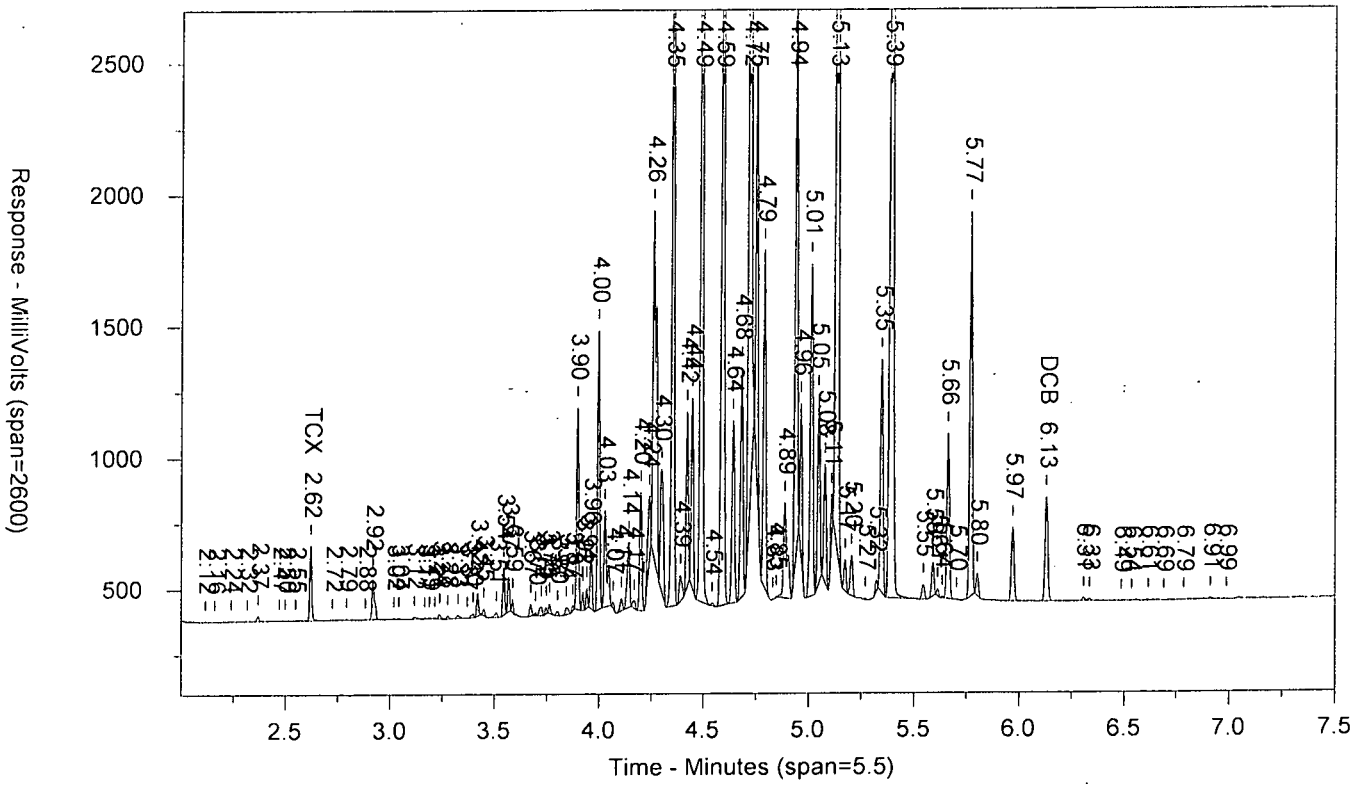

LANCASTER LABORATORIES

Sample Number: 8998337ACF DF20 ACA4704 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:24:14 AM
Sample Weight: 10.29
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
2.946	206822	28.76	TCX	2.62	286187	29.21	TCX
6.636	176289	34.373	DCB	6.129	397733	32.794	DCB

Files:
Area File: 25pcbs17116016.091.RAW
Area File: 25pcbs17116016B.091.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 10:32:46 AM
File Reported On: 5/22/2017 at 10:32:52 AM

8998337ACF DF20 ACA4704 T 171390030A 10225 SW-846 8082

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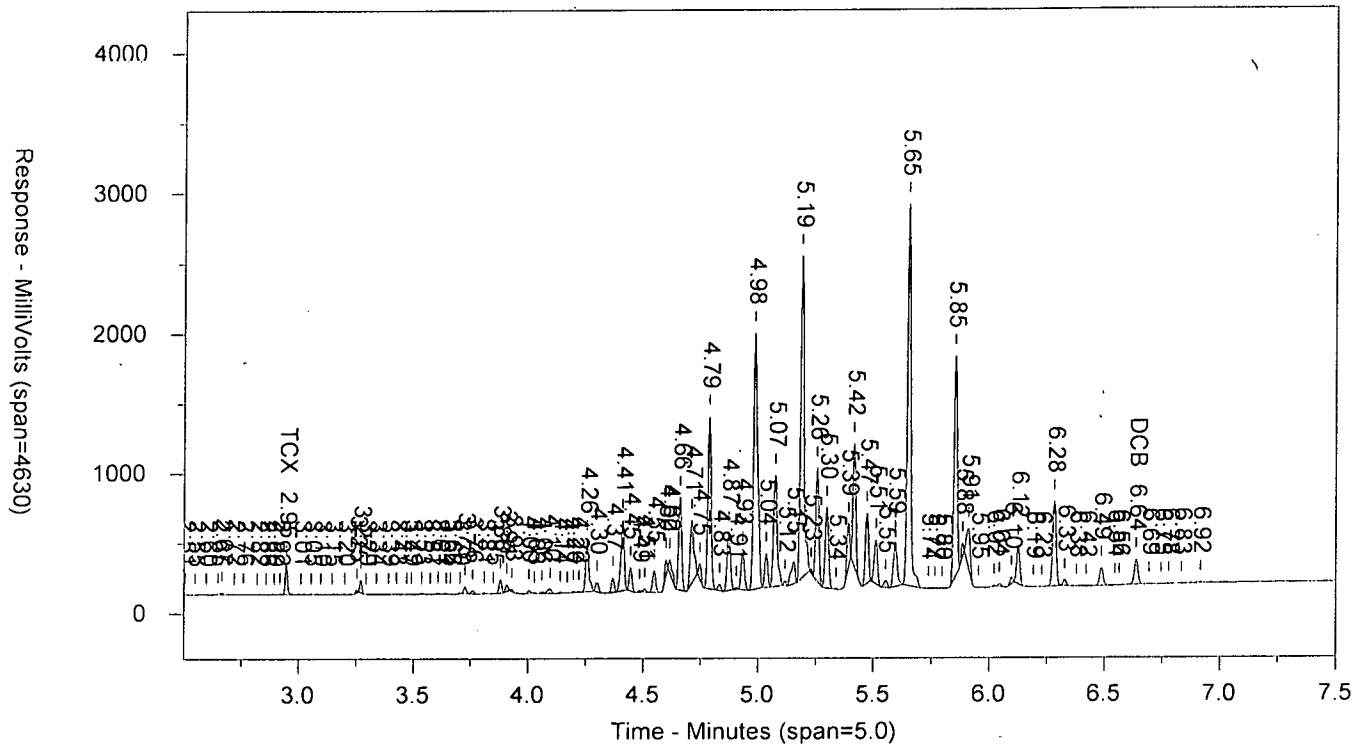

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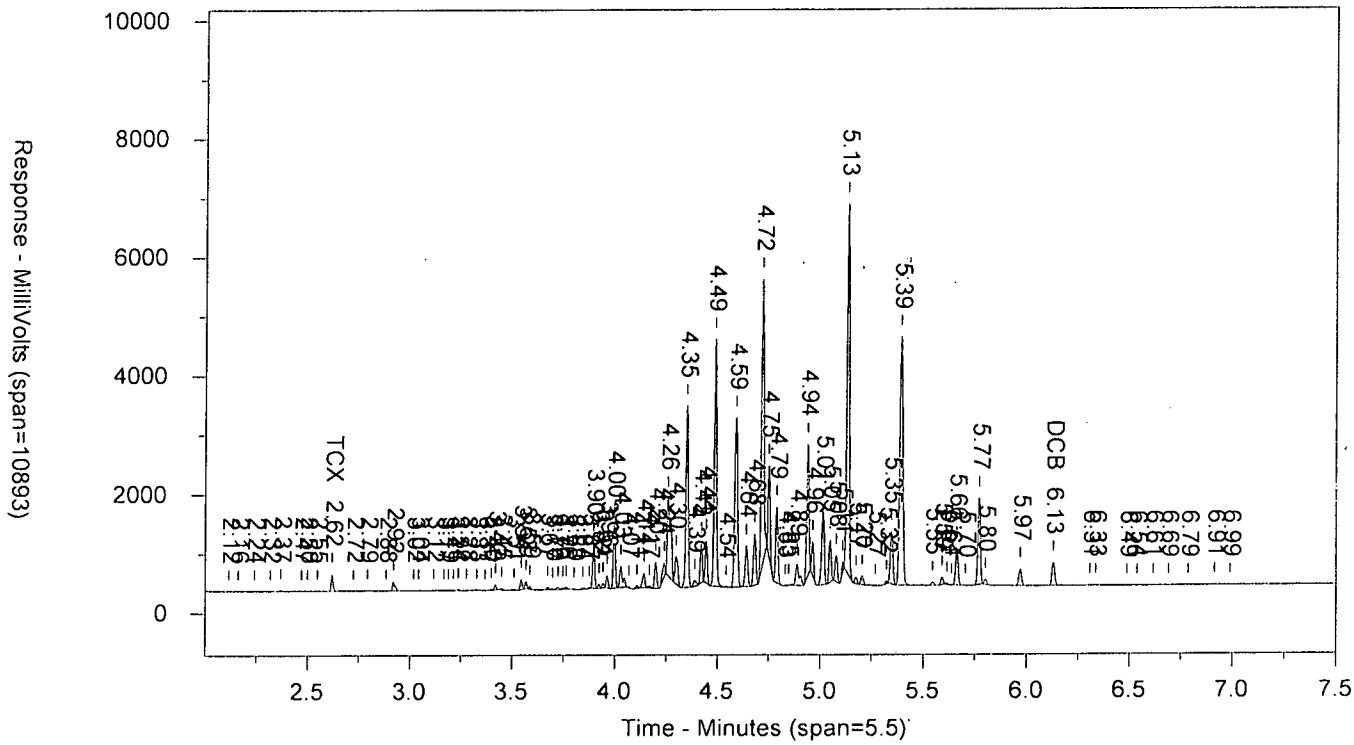

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 8998338 ACF DF50 A4705 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.33 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:35:34
Instrument	18274A
Result file	25PCBS17116016.092.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 105% (61 - 152) Conc: 29.61384
%SSR(DCB) 143% (48 - 164) Conc: 40.56889

Analysis Report (B)

Injected on	May 22, 2017 10:35:34
Instrument	18274B
Result file	25PCBS17116016B.092.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 104% (61 - 152) Conc: 29.54214
%SSR(DCB) 131% (48 - 164) Conc: 37.1106

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	85517	29.61384
Decachlorobiphenyl	6.61	6.63	6.67	83550	40.56889

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	116226	29.54214
Decachlorobiphenyl	6.10	6.13	6.16	180736	37.1106

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.61384				0.24	
☑ Decachlorobiphenyl	A	40.56889				8.90	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.71**	
4.76	4.78	4.80	728748.7	7292.358584			1
5.05	5.07	5.09	511589.4	8835.55592			2
5.23	5.25	5.27	505123.1	7431.635715			3
5.40	5.41	5.44	569682.4	7691.650135			4
5.63	5.65	5.67	1762854	8778.665901			5
5.83	5.85	5.87	1051538	8573.469718			6

Height summation: **5129535.6**
Concentration CF: **8100.555996** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.18**	
4.33	4.35	4.37	1727438	7962.391322			1
4.47	4.48	4.51	2431790	9785.371558			2
4.57	4.59	4.61	1636008	7668.853901			3
4.92	4.93	4.96	1347521	7883.6413			4
5.11	5.13	5.15	3993888	9475.024901			5
5.37	5.39	5.41	2720535	10760.124472			6

Height summation: **13857180**
Concentration CF: **8922.567909** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2468.5382	<479.1868			4	
☑ PCB-1221			<2468.5382	<740.5615			3	
☑ PCB-1232			<2468.5382	<595.3533			4	
☑ PCB-1242			<2468.5382	<595.3533			4	
☑ PCB-1248			<2468.5382	<479.1868			4	
☑ PCB-1254			<2468.5382	<638.9158			4	
☑ PCB-1260	B	8922.567909	2468.5382	566.3117		9.66	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Spectrolist

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: **8998338** ACF DF50 A4705 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.33 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:35:34
Instrument : CP25--18274A
Result file : 25PCBS17116016.092.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 29.61384
%SSR(DCB) : 143% (48-164) Conc.: 40.56889

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	74.97	
3.18	3.20	3.22	2553.082	53.062021			1
3.40	3.41	3.44	5618.902	123.03854			2
+ 3.40	3.43	3.44	2581.377	56.525075			2
3.51	3.53	3.55	13286.75	229.659586			3
3.73	3.75	3.77	19518.45	277.673737			4
3.79	3.81	3.83	14383.62	229.084329			5
3.98	4.00	4.02	26546.02	599.101365			6
Height Summation:			**81906.824**				
Amount Avg CF:			**251.936596**	Linear:			
Aroclor-1221					3	26.37	
3.07	3.09	3.11	1501.18	64.051184			1
3.13	3.15	3.17	1386.101	64.426039			2
3.18	3.20	3.22	2553.082	38.7731			3
Height Summation:			**5440.363**				
Amount Avg CF:			**55.750108**	Linear:			
Aroclor-1232					6	86.07	
3.18	3.20	3.22	2553.082	43.392136			1
3.40	3.41	3.44	5618.902	257.4886			2
+ 3.40	3.43	3.44	2581.377	118.292711			2
3.52	3.53	3.56	13286.75	462.783657			3
3.74	3.75	3.78	19518.45	554.356006			4
3.79	3.81	3.83	14383.62	490.999665			5
3.99	4.00	4.03	26546.02	1386.047634			6
+ 3.99	4.02	4.03	6383.39	333.296012			6
Height Summation:			**81906.824**				
Amount Avg CF:			**532.511283**	Linear:			
Aroclor-1242					6	74.60	
3.18	3.20	3.22	2553.082	62.526719			1
3.40	3.41	3.44	5618.902	148.344359			2
+ 3.40	3.43	3.44	2581.377	68.150809			2
3.51	3.53	3.55	13286.75	275.063217			3
3.73	3.75	3.77	19518.45	333.422496			4
3.79	3.81	3.83	14383.62	286.547453			5
3.98	4.00	4.02	26546.02	720.211351			6
Height Summation:			**81906.824**				
Amount Avg CF:			**304.352599**	Linear:			
Aroclor-1248					5	156.19	
3.79	3.81	3.83	14383.62	399.494625			1
3.86	3.88	3.90	82864.48	1465.665684			2
3.98	4.00	4.02	26546.02	406.019175			3
4.07	4.09	4.11	34459.16	612.479014			4
4.64	4.66	4.68	406063.3	8878.05029			6
Height Summation:			**564316.58**				
Amount Avg CF:			**2352.341758**	Linear:			
Aroclor-1254					6	101.12	
4.24	4.25	4.28	191079	3173.232147			1
4.58	4.60	4.62	75080.1	1050.47213			2
+ 4.58	4.61	4.62	58891.72	823.974802			2
4.64	4.66	4.68	406063.3	2938.265236			3
4.77	4.78	4.81	728748.7	16318.277007			4
4.86	4.87	4.89	302631.8	2977.281358			5
5.05	5.07	5.09	511589.4	6766.936782			6
Height Summation:			**2215192.3**				
Amount Avg CF:			**5537.410777**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:35:34
Instrument : CP25--18274B
Result file : 25PCBS17116016B.092.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 29.54214
%SSR(DCB) : 131% (48-164) Conc.: 37.1106

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	58.77	
2.89	2.92	2.93	88723.07	1311.385869			1
3.22	3.24	3.26	24509.26	272.053527			2
3.41	3.42	3.45	78155.82	767.454866			3
+ 3.41	3.45	3.45	20765.09	203.903809			3
3.49	3.51	3.53	29076.98	274.447725			4
3.65	3.67	3.69	60039.86	699.242939			5
+ 3.74	3.74	3.78	30198.11	384.917868			6
3.74	3.76	3.78	47249.59	602.263235			6
Height Summation:			**327754.58**				
Amount Avg CF:			**654.474693**	Linear:			
Aroclor-1221					3	123.68	
2.77	2.79	2.81	4685.795	133.47951			1
2.84	2.85	2.88	2065.957	95.300477			2
2.89	2.92	2.93	88723.07	969.218826			3
Height Summation:			**95474.822**				
Amount Avg CF:			**399.332938**	Linear:			
Aroclor-1232					6	42.80	
2.89	2.92	2.93	88723.07	1048.619608			1
3.22	3.24	3.26	24509.26	576.519854			2
3.41	3.42	3.45	78155.82	1710.289267			3
+ 3.41	3.45	3.45	20765.09	454.403915			3
3.49	3.51	3.53	29076.98	616.12826			4
3.65	3.67	3.69	60039.86	1651.970019			5
+ 3.65	3.69	3.69	18761.75	516.221199			5
3.75	3.76	3.79	47249.59	1302.48005			6
Height Summation:			**327754.58**				
Amount Avg CF:			**1151.001177**	Linear:			
Aroclor-1242					6	57.19	
2.89	2.92	2.93	88723.07	1565.81654			1
3.22	3.24	3.26	24509.26	340.667715			2
3.41	3.42	3.45	78155.82	955.532882			3
+ 3.41	3.45	3.45	20765.09	253.873944			3
3.49	3.51	3.53	29076.98	348.427491			4
3.65	3.67	3.69	60039.86	860.513274			5
+ 3.74	3.74	3.78	30198.11	452.616812			6
3.74	3.76	3.78	47249.59	708.188651			6
Height Summation:			**327754.58**				
Amount Avg CF:			**796.524426**	Linear:			
Aroclor-1248					6	95.98	
3.41	3.42	3.45	78155.82	1918.89			1
+ 3.41	3.45	3.45	20765.09	509.826697			1
3.52	3.54	3.56	157434.1	1513.023837			2
3.65	3.67	3.69	60039.86	482.462575			3
+ 3.65	3.69	3.69	18761.75	150.763879			3
3.74	3.76	3.78	47249.59	497.127979			4
3.88	3.89	3.92	429633.5	2247.810914			5
4.24	4.26	4.28	537358.4	5935.252546			6
+ 4.24	4.27	4.28	269557.3	2977.325099			6
Height Summation:			**1309871.27**				
Amount Avg CF:			**2099.094642**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998338** ACF DF50 A4705 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.33 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:35:34
Instrument : CP25--18274A
Result file : 25PCBS17116016.092.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	8.71	
4.76	4.78	4.80	728748.7	7292.358584			1
5.05	5.07	5.09	511589.4	8835.55592			2
5.23	5.25	5.27	505123.1	7431.635715			3
5.40	5.41	5.44	569682.4	7691.650135			4
5.63	5.65	5.67	1762854	8778.665901			5
5.83	5.85	5.87	1051538	8573.469718			6
Height Summation:			**5129535.6**				
Amount Avg CF:			**8100.555996**	Linear:			
Aroclor-1262					6	31.40	
5.23	5.25	5.27	505123.1	4164.411657			1
5.40	5.41	5.44	569682.4	5454.530392			2
5.63	5.65	5.67	1762854	6547.137931			3
5.83	5.85	5.87	1051538	6366.247088			4
5.89	5.91	5.93	191573.7	2530.257026			5
6.26	6.28	6.30	414605.5	4241.908563			6
Height Summation:			**4495376.7**				
Amount Avg CF:			**4884.082109**	Linear:			
Aroclor-1268					6	95.56	
5.83	5.85	5.87	1051538	3605.370857			1
5.89	5.91	5.93	191573.7	721.859689			2
6.03	6.04	6.07	12486	50.657979			3
+ 6.09	6.09	6.13	30866.17	481.402107			4
6.09	6.12	6.13	178193.1	2779.176485			4
6.26	6.28	6.30	414605.5	3968.604788			5
6.47	6.48	6.51	88381.86	103.024794			6
Height Summation:			**1936778.16**				
Amount Avg CF:			**1871.449099**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:35:34
Instrument : CP25--18274B
Result file : 25PCBS17116016B.092.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	112.54	
4.18	4.19	4.22	262498.9	1654.317452			1
4.24	4.26	4.28	537358.4	1844.583416			2
+ 4.24	4.27	4.28	269557.3	925.305951			2
4.33	4.35	4.37	1727438	12915.254371			3
4.40	4.42	4.44	513199.2	2634.70772			4
+ 4.40	4.44	4.44	434019.9	2228.209984			4
4.47	4.48	4.51	2431790	22515.450181			5
4.62	4.64	4.66	517402.6	3641.440574			6
Height Summation:			**5989687.1**				
Amount Avg CF:			**7534.292286**	Linear:			
Aroclor-1260					6	14.18	
4.33	4.35	4.37	1727438	7962.391322			1
4.47	4.48	4.51	2431790	9785.371558			2
4.57	4.59	4.61	1636008	7668.853901			3
4.92	4.93	4.96	1347521	7883.6413			4
5.11	5.13	5.15	3993888	9475.024901			5
5.37	5.39	5.41	2720535	10760.124472			6
Height Summation:			**13857180**				
Amount Avg CF:			**8922.567909**	Linear:			
Aroclor-1262					6	37.02	
4.73	4.75	4.77	945398.2	3460.551859			1
4.92	4.93	4.96	1347521	4987.481791			2
5.11	5.13	5.15	3993888	7063.991949			3
5.33	5.34	5.36	592819.8	2788.562428			4
5.37	5.39	5.41	2720535	7371.97232			5
5.75	5.77	5.79	959710.2	4528.090895			6
Height Summation:			**10559872.2**				
Amount Avg CF:			**5033.441874**	Linear:			
Aroclor-1268					6	127.52	
5.33	5.34	5.37	592819.8	882.693325			1
5.37	5.39	5.41	2720535	4165.240098			2
5.53	5.54	5.57	36609.1	64.424389			3
5.59	5.61	5.63	17578.57	125.626818			4
+ 5.59	5.63	5.63	3894.244	27.830562			4
5.75	5.77	5.79	959710.2	4054.819324			5
5.95	5.97	5.99	193542.3	95.913209			6
Height Summation:			**4520794.97**				
Amount Avg CF:			**1564.786194**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2468.5382	479.1868		** 88.82	4	40	
Aroclor-1221			2468.5382	740.5615		** 151.00	3	5	
Aroclor-1232			2468.5382	595.3533		** 73.48	4	10	
Aroclor-1242			2468.5382	595.3533		** 89.41	4	30	
Aroclor-1248			2468.5382	479.1868		11.38	4	40	
Aroclor-1254			2468.5382	638.9158		30.55	4	40	
Aroclor-1260			2468.5382	566.3117		9.66	4	40	
Aroclor-1262			2468.5382	479.1868		3.01	4	40	
Aroclor-1268			2468.5382	479.1868		17.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998338ACF DF50 ACA4705 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:35:34 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: 25pcbs17116016.092.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.017		770	661
2.054		4567	5816
2.091		3639	5221
2.145		2002	3190
2.212		17154	14428
2.34		1405	1068
2.376		2684	4893
2.502		2524	3765
2.573		684	488
2.649		1126	787
2.664		8757	5482
2.706		730	528
2.755		2516	5962
2.82		836	644
2.887		730	636
2.915		1044	940
2.944	TCX	85517	59403
3.053		2405	1839
3.093		1501	1803
3.146		1386	1486
3.197		2553	2007
3.249		18776	10369
3.267		48000	28466
3.291		2281	1265
3.336		629	656
3.392		290	268
3.415		5619	3311
3.431		2581	1814
3.468		1314	884
3.485		1959	2256
3.531		13287	9922
3.558		709	879
3.604		7330	6373
3.641		1898	1453
3.656		1268	745
3.721		48789	57326
3.753		19518	18967
3.805		14384	11199
3.846		6476	5384
3.876		82864	62376
3.904		43312	34123
3.925		10900	5327
4		26546	19766
4.024		6383	3907
4.056		15579	10952
4.09		34459	40367
4.133		8513	9003
4.192		9123	8197
4.215		7417	4254
4.251		191079	206111
4.294		61453	53573
4.364		61742	51563
4.406		286641	302100
4.441		114871	97108

RT A	Compound A	Height A	Area A
4.481		9519	6488
4.503		12241	8986
4.544		106471	103158
4.595		75080	51887
4.612		58892	69842
4.656		406063	369751
4.706		276156	299558
4.741		71068	51252
4.782		728749	713807
4.826		35674	32007
4.867		302632	308006
4.9		8722	5376
4.929		174365	175672
4.98		1058446	1357049
5.031		147544	138285
5.069		511589	582517
5.113		24765	15786
5.15		97506	126908
5.183		1405780	1491735
5.225		20982	9054
5.251		505123	484376
5.293		391159	374135
5.334		3822	2781
5.387		209915	168646
5.412		569682	486802
5.467		334376	313035
5.506		210288	203698
5.548		26981	30245
5.589		213831	248011
5.646		1762854	1816839
5.732		1429	1443
5.761		685	538
5.794		1557	1690
5.849		1051538	997317
5.879		70053	44386
5.905		191574	219524
5.946		731	646
6.016		5309	4138
6.041		12486	11561
6.092		30866	23931
6.12		178193	173342
6.156		965	678
6.184		871	586
6.277		414606	440965
6.322		28777	27637
6.374		609	508
6.412		1053	977
6.482		88382	96031
6.533		695	217
6.631	DCB	83550	94828
6.688		3256	2937
6.749		508	218
6.773		910	518
6.832		2144	4101
6.878		760	623
6.913		4788	7871
6.948		580	187
6.989		705	342

LANCASTER LABORATORIES

Sample Number: 8998338ACF DF50 ACA4705 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:35:34 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.092.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.113		1394	1815
2.204		1122	834
2.238		2932	3625
2.368		13780	15448
2.469		2663	8314
2.62	TCX	116226	76606
2.728		1978	3150
2.793		4686	5069
2.855		2066	1783
2.882		1292	902
2.918		88723	83818
3.018		4899	2970
3.042		2544	2356
3.114		16069	17792
3.167		2978	1608
3.189		3195	1836
3.212		3098	1802
3.237		24509	17504
3.275		11185	8463
3.325		12236	12877
3.367		2164	1239
3.397		42686	33938
3.417		78156	47535
3.447		20765	11003
3.506		29077	23218
3.541		157434	98728
3.565		130845	108977
3.669		60040	39770
3.692		18762	9825
3.713		35568	34217
3.742		30198	15446
3.759		47250	28996
3.798		21648	17393
3.842		20693	22201
3.871		27988	16632
3.893		429634	300121
3.918		91652	53248
3.938		41418	21993
3.957		135780	90187
3.993		563559	402196
4.024		262912	239167
4.063		15352	9012
4.103		28585	25370
4.137		160874	142343
4.16		14610	15383
4.195		262499	202634
4.236		146871	149313
4.255		537358	281259
4.269		269557	133632
4.294		271558	273635
4.347		1727438	1367935
4.385		80144	75110
4.417		513199	355102
4.441		434020	310579

RT B	Compound B	Height B	Area B
4.484		2431791	1890940
4.538		5562	4096
4.586		1636009	1594816
4.636		517403	443612
4.677		517234	459051
4.714		2994969	2415683
4.746		945398	675223
4.785		799137	633772
4.842		5522	3998
4.884		174580	120368
4.901		55879	32928
4.935		1347521	1035683
4.958		365572	248967
5.008		802028	706012
5.044		436050	352279
5.074		282765	228906
5.106		117975	68629
5.128		3993888	3254125
5.17		80853	57219
5.201		101690	85223
5.264		4494	2891
5.319		29676	17946
5.343		592820	502000
5.386		2720535	2828459
5.542		36609	31820
5.588		91806	71724
5.61		17579	10683
5.633		3894	1982
5.659		417755	360184
5.705		2790	2476
5.766		959710	820056
5.798		57798	43920
5.966		193542	175193
6.126	DCB	180736	163107
6.303		8310	6960
6.33		4662	4405
6.529		1222	519
6.556		1793	1621
6.609		2943	4305
6.657		1982	2387
6.854		994	1061
6.909		4490	8638

8998338ACF DF50 ACA4705 T 171390030A 10225 SW-846 8082

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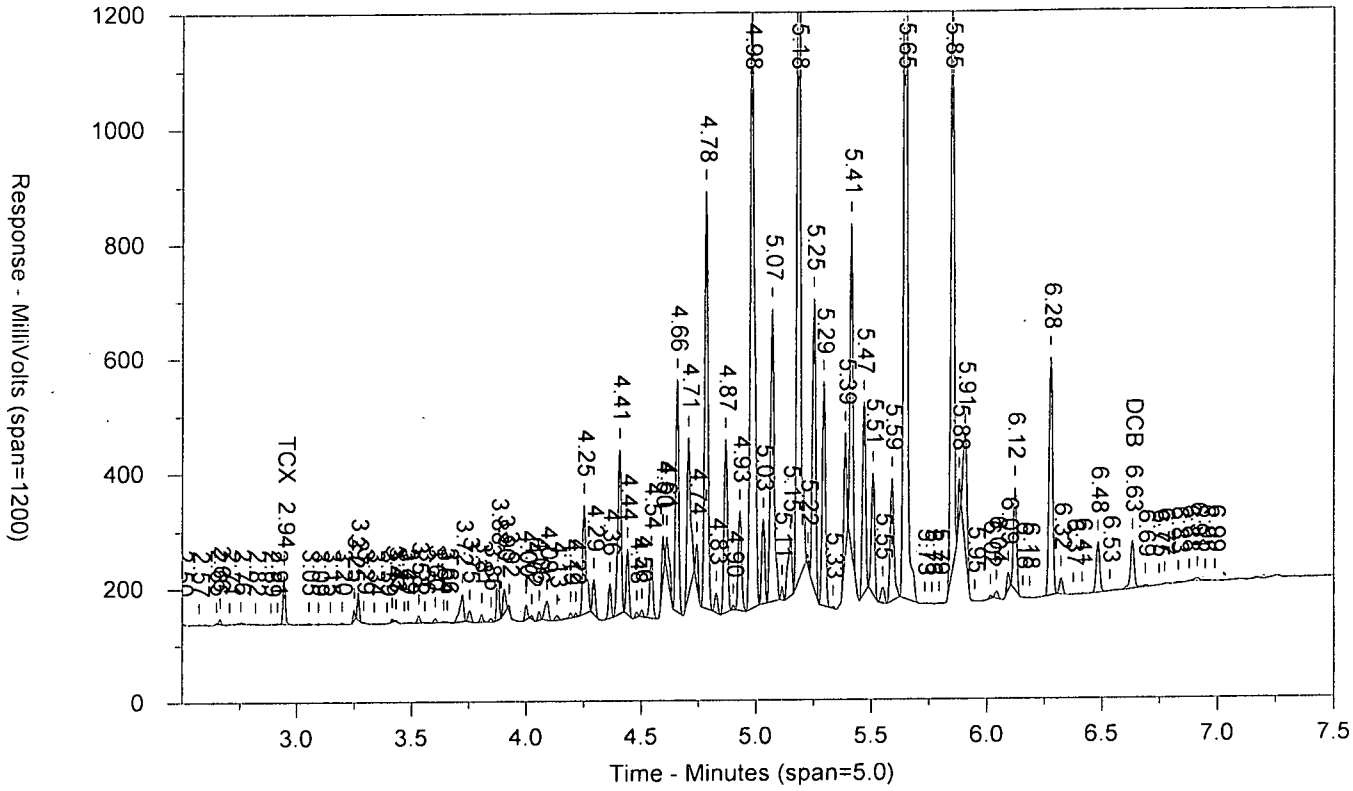

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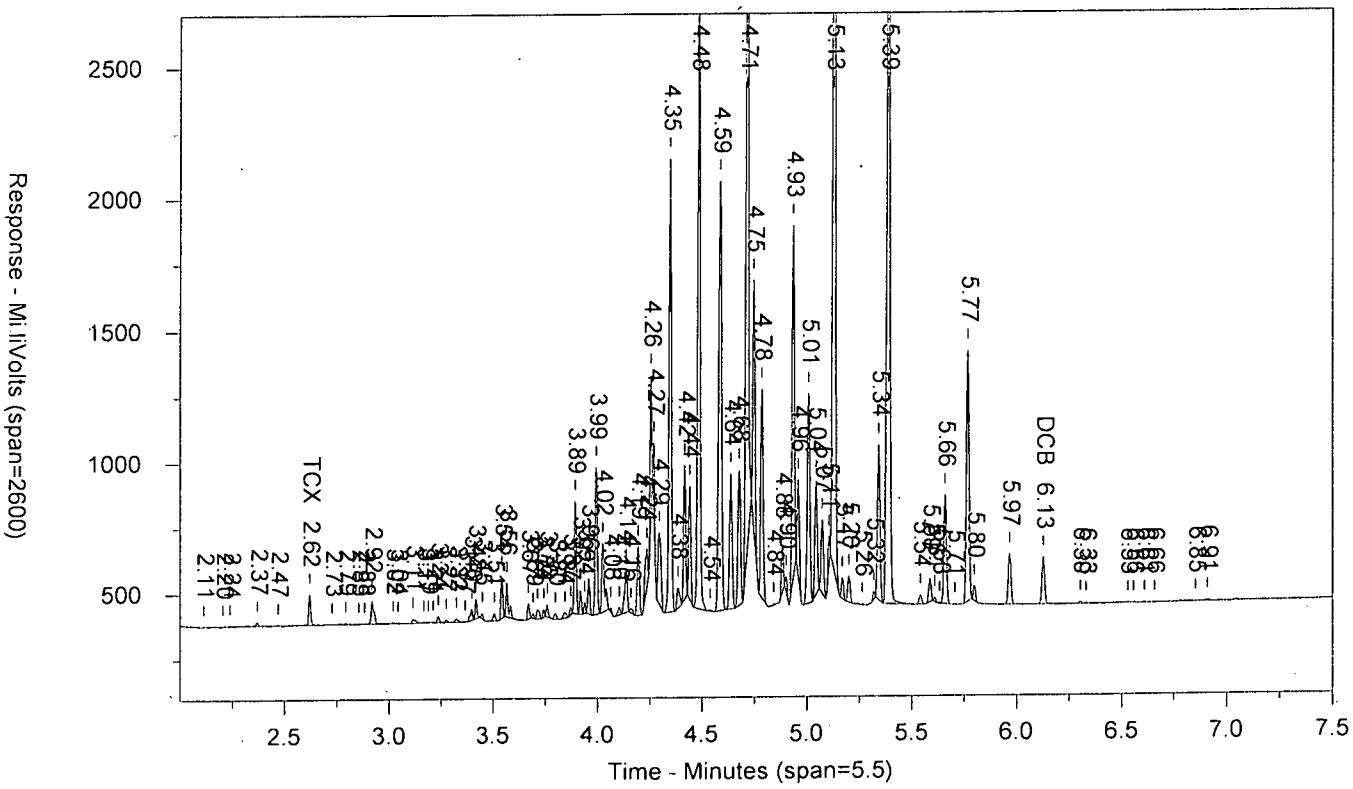

LANCASTER LABORATORIES

Sample Number: 8998338ACF DF50 ACA4705 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:35:34 AM Sample Weight: 10.33
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	85517	29.614	TCX	2.62	116226	29.542	TCX
6.631	83550	40.569	DCB	6.126	180736	37.111	DCB

Files:
Area File: 25pcbs17116016.092.RAW
Area File: 25pcbs17116016B.092.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 10:44:04 AM
File Reported On: 5/22/2017 at 10:44:16 AM

8998338ACF DF50 ACA4705 T 171390030A 10225 SW-846 8082

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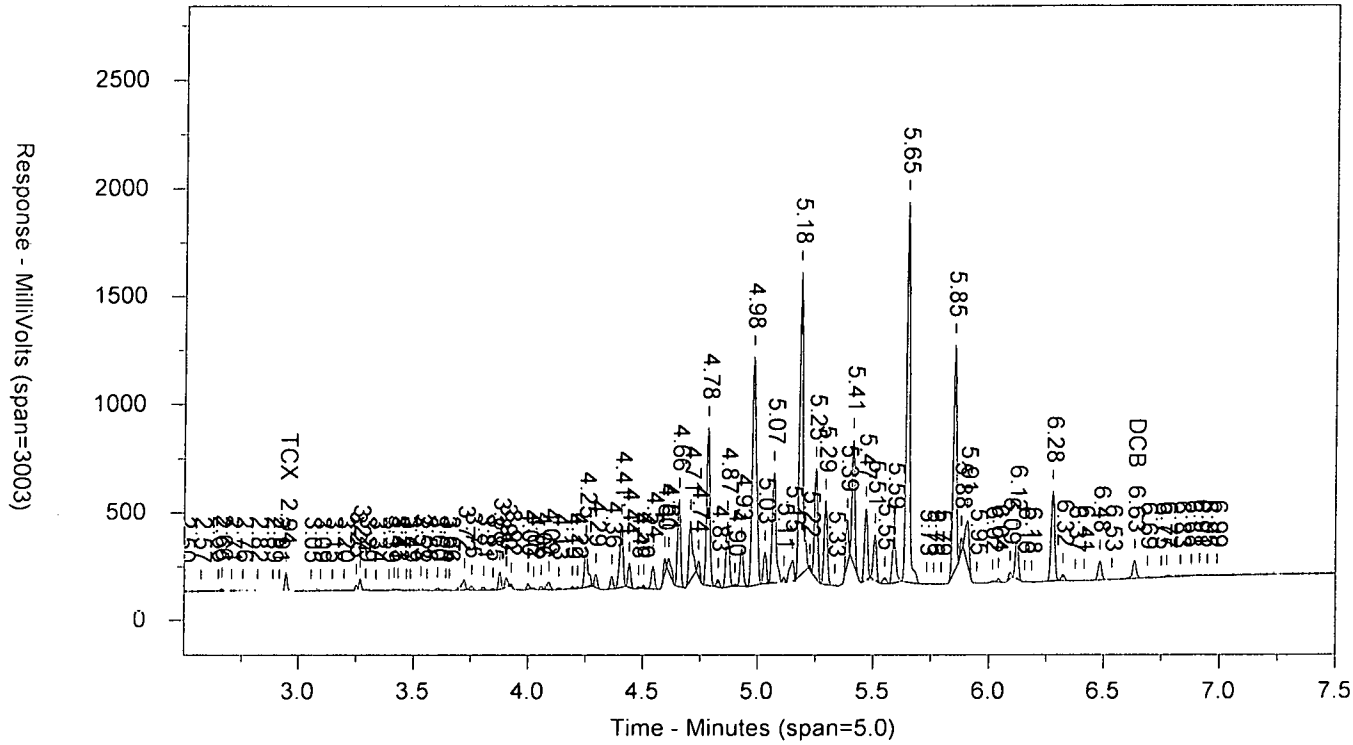

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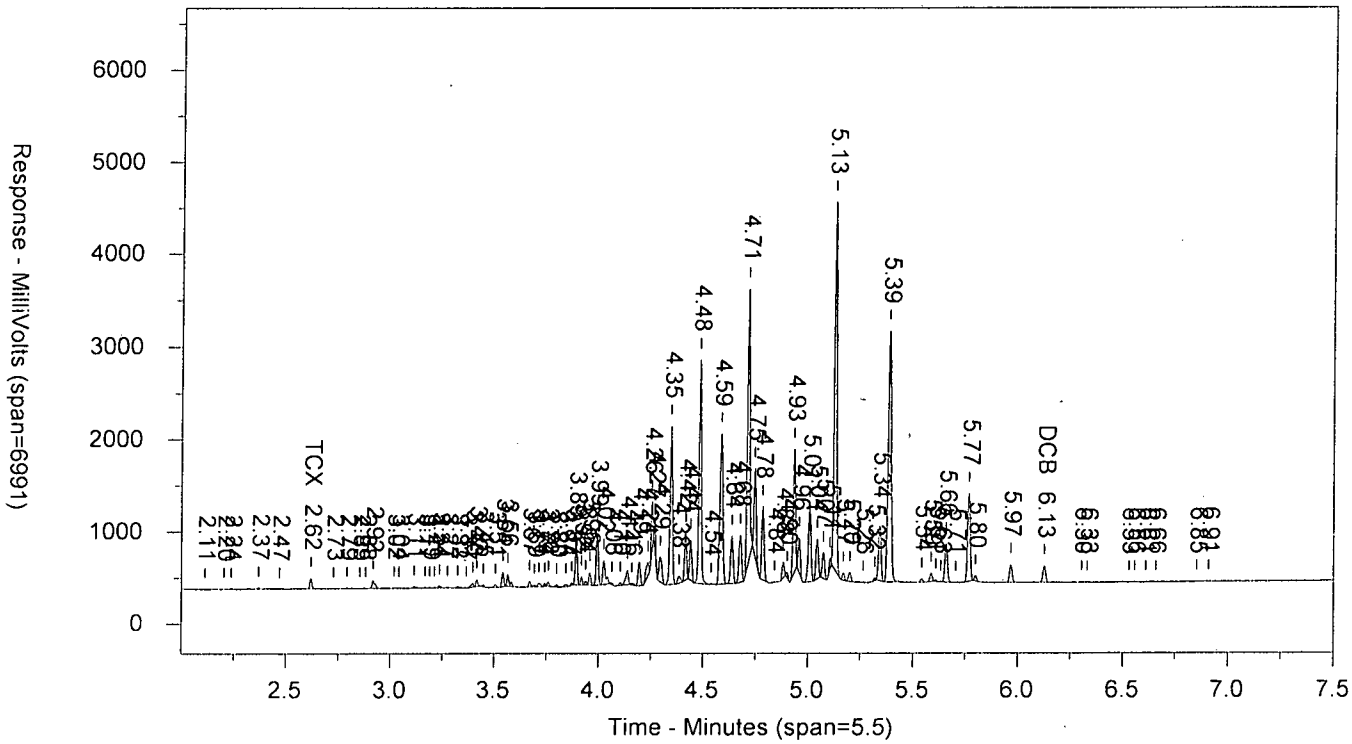

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Data Summary

Sample Name: 8998339 ACF DF50 A4706 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:46:49
Instrument	18274A
Result file	25PCBS17116016.093.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 96% (61 - 152) Conc: 27.59776
%SSR(DCB) 128% (48 - 164) Conc: 36.66715

Analysis Report (B)

Injected on	May 22, 2017 10:46:49
Instrument	18274B
Result file	25PCBS17116016B.093.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 28.07598
%SSR(DCB) 120% (48 - 164) Conc: 34.25389

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	78769	27.59776
Decachlorobiphenyl	6.61	6.63	6.67	74637	36.66715

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	109174	28.07598
Decachlorobiphenyl	6.10	6.13	6.16	164885	34.25389

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	27.59776				1.72	
☑ Decachlorobiphenyl	A	36.66715				6.81	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.62**	
4.76	4.78	4.80	1167958	11824.751645			1
5.05	5.07	5.09	782838.3	13679.146068			2
5.23	5.25	5.27	726241.9	10810.432374			3
5.40	5.41	5.44	810860.1	11076.619294			4
5.63	5.65	5.67	2474874	12469.236098			5
5.83	5.85	5.87	1454489	11998.215752			6

Height summation: **7417261.3**
Concentration CF: **11976.400205** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.82**	
4.33	4.35	4.37	2757244	12858.515378			1
4.47	4.48	4.51	3589242	14612.636231			2
4.57	4.59	4.61	2435012	11548.370969			3
4.92	4.93	4.96	1872101	11081.413701			4
5.11	5.13	5.15	5456684	13097.483554			5
5.37	5.39	5.41	3543034	14177.931609			6

Height summation: **19653317**
Concentration CF: **12896.058574** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2497.5515	<484.8188			4	
☑ PCB-1221			<2497.5515	<749.2655			3	
☑ PCB-1232			<2497.5515	<602.3507			4	
☑ PCB-1242			<2497.5515	<602.3507			4	
☑ PCB-1248			<2497.5515	<484.8188			4	
☑ PCB-1254			<2497.5515	<646.4251			4	
☑ PCB-1260	B	12896.058574	2497.5515	572.9677		7.39	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: **8998339** ACF DF50 A4706 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:46:49
Instrument : CP25--18274A
Result file : 25PCBS17116016.093.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 96% (61-152) Conc.: 27.59776 1300S
%SSR(DCB) : 128% (48-164) Conc.: 36.66715

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	70.16	
3.18	3.20	3.22	3467.314	72.909946			1
3.40	3.42	3.44	11228.25	248.757604			2
3.51	3.53	3.55	4943.646	86.454531			3
3.73	3.75	3.77	21236.13	305.660581			4
3.79	3.80	3.83	11028.84	177.718074			5
3.98	4.00	4.02	22558.79	515.099671			6
Height Summation:			**74462.97**				
Amount Avg CF:			**234.433401**	Linear:			
Aroclor-1221					3	29.54	
3.07	3.09	3.11	1894.395	81.77857			1
3.13	3.14	3.17	2102.611	98.87809			2
3.18	3.20	3.22	3467.314	53.276233			3
Height Summation:			**7464.32**				
Amount Avg CF:			**77.977631**	Linear:			
Aroclor-1232					6	81.94	
3.18	3.20	3.22	3467.314	59.623027			1
3.40	3.42	3.44	11228.25	520.586859			2
3.52	3.53	3.56	4943.646	174.213255			3
3.74	3.75	3.78	21236.13	610.229762			4
3.79	3.80	3.83	11028.84	380.905647			5
3.99	4.00	4.03	22558.79	1191.705982			6
+ 3.99	4.02	4.03	4193.477	221.527468			6
Height Summation:			**74462.97**				
Amount Avg CF:			**489.544089**	Linear:			
Aroclor-1242					6	69.81	
3.18	3.20	3.22	3467.314	85.914927			1
3.40	3.42	3.44	11228.25	299.920555			2
3.51	3.53	3.55	4943.646	103.546565			3
3.73	3.75	3.77	21236.13	367.028278			4
3.79	3.80	3.83	11028.84	222.296573			5
3.98	4.00	4.02	22558.79	619.228484			6
Height Summation:			**74462.97**				
Amount Avg CF:			**282.989231**	Linear:			
Aroclor-1248					6	199.21	
3.79	3.80	3.83	11028.84	309.918253			1
3.86	3.88	3.90	52900.17	946.669004			2
3.98	4.00	4.02	22558.79	349.09008			3
4.07	4.08	4.11	30132.38	541.869294			4
4.25	4.27	4.29	28700.85	518.637462			5
4.64	4.66	4.68	651440.2	14410.299116			6
Height Summation:			**796761.23**				
Amount Avg CF:			**2846.080535**	Linear:			
Aroclor-1254					6	105.15	
4.24	4.25	4.28	228496.8	3839.225198			1
+ 4.24	4.27	4.28	28700.85	482.234441			1
4.58	4.59	4.62	125283	1773.480493			2
+ 4.58	4.61	4.62	96856.96	1371.087292			2
4.64	4.66	4.68	651440.2	4769.209405			3
4.77	4.78	4.81	1167958	26460.516258			4
4.86	4.87	4.89	498042.4	4957.311551			5
5.05	5.07	5.09	782838.3	10476.524342			6
Height Summation:			**3454058.7**				
Amount Avg CF:			**8712.711208**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:46:49
Instrument : CP25--18274B
Result file : 25PCBS17116016B.093.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 28.07598
%SSR(DCB) : 120% (48-164) Conc.: 34.25389

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	217.37	
2.89	2.92	2.93	1115253	16677.921223			1
3.22	3.24	3.26	9232.054	103.680499			2
+ 3.41	3.42	3.45	13419.09	133.318115			3
3.41	3.43	3.45	18432.38	183.124948			3
3.49	3.51	3.53	24370.19	232.725425			4
3.65	3.67	3.69	53553.4	631.030058			5
3.74	3.74	3.78	45284.3	583.996907			6
+ 3.74	3.76	3.78	35736.28	460.863411			6
Height Summation:			**1266125.324**				
Amount Avg CF:			**3068.74651**	Linear:			
Aroclor-1221					3	167.15	
2.77	2.79	2.81	8094.397	233.286926			1
2.84	2.86	2.88	1320.617	61.634696			2
E 2.89	2.92	2.93	1115253	12326.314937			3
Height Summation:			**1124668.014**				
Amount Avg CF:			**4207.078853**	Linear:			
Aroclor-1232					6	182.68	
E 2.89	2.92	2.93	1115253	13336.116876			1
3.22	3.24	3.26	9232.054	219.713623			2
+ 3.41	3.42	3.45	13419.09	297.102216			3
3.41	3.43	3.45	18432.38	408.097788			3
3.49	3.51	3.53	24370.19	522.462743			4
3.65	3.67	3.69	53553.4	1490.816252			5
+ 3.65	3.69	3.69	14357.85	399.692944			5
3.75	3.76	3.79	35736.28	996.682786			6
Height Summation:			**1256577.304**				
Amount Avg CF:			**2828.981678**	Linear:			
Aroclor-1242					6	216.82	
E 2.89	2.92	2.93	1115253	19913.71535			1
3.22	3.24	3.26	9232.054	129.829593			2
+ 3.41	3.42	3.45	13419.09	165.990012			3
3.41	3.43	3.45	18432.38	228.002867			3
3.49	3.51	3.53	24370.19	295.458583			4
3.65	3.67	3.69	53553.4	776.568073			5
3.74	3.74	3.78	45284.3	686.70966			6
+ 3.74	3.76	3.78	35736.28	541.919577			6
Height Summation:			**1266125.324**				
Amount Avg CF:			**3671.714021**	Linear:			
Aroclor-1248					6	142.60	
+ 3.41	3.42	3.45	13419.09	333.339209			1
3.41	3.43	3.45	18432.38	457.8727			1
3.52	3.54	3.56	98808.08	960.757989			2
3.65	3.67	3.69	53553.4	435.397155			3
+ 3.65	3.69	3.69	14357.85	116.731469			3
3.74	3.76	3.78	35736.28	380.411891			4
3.88	3.89	3.92	672562.8	3560.156259			5
4.24	4.25	4.28	861218.3	9624.163443			6
+ 4.24	4.27	4.28	469883.1	5250.970345			6
Height Summation:			**1740311.24**				
Amount Avg CF:			**2569.79324**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998339** ACF DF50 A4706 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:46:49
Instrument : CP25--18274A
Result file : 25PCBS17116016.093.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	8.62	
4.76	4.78	4.80	1167958	11824.751645			1
5.05	5.07	5.09	782838.3	13679.146068			2
5.23	5.25	5.27	726241.9	10810.432374			3
5.40	5.41	5.44	810860.1	11076.619294			4
5.63	5.65	5.67	2474874	12469.236098			5
5.83	5.85	5.87	1454489	11998.215752			6
Height Summation:			**7417261.3**				
Amount Avg CF:			**11976.400205**	Linear:			
Aroclor-1262					6	33.09	
5.23	5.25	5.27	726241.9	6057.763368			1
5.40	5.41	5.44	810860.1	7854.979818			2
5.63	5.65	5.67	2474874	9299.568927			3
5.83	5.85	5.87	1454489	8909.299105			4
5.89	5.90	5.93	235855.5	3151.732426			5
6.26	6.28	6.30	592060.1	6128.675364			6
Height Summation:			**6294380.6**				
Amount Avg CF:			**6900.336501**	Linear:			
Aroclor-1268					6	97.90	
5.83	5.85	5.87	1454489	5045.567178			1
5.89	5.90	5.93	235855.5	899.16106			2
6.03	6.04	6.07	16476.43	67.633557			3
+ 6.09	6.09	6.13	43038.09	679.129838			4
6.09	6.12	6.13	236080.3	3725.285578			4
6.26	6.28	6.30	592060.1	5733.808269			5
6.47	6.48	6.51	116821.4	137.776645			6
Height Summation:			**2651782.73**				
Amount Avg CF:			**2601.538714**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:46:49
Instrument : CP25--18274B
Result file : 25PCBS17116016B.093.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	106.57	
4.18	4.19	4.22	441854.8	2817.380603			1
4.24	4.25	4.28	861218.3	2991.039074			2
+ 4.24	4.27	4.28	469883.1	1631.919238			2
4.33	4.35	4.37	2757244	20856.924788			3
4.40	4.42	4.44	901382.8	4681.98825			4
+ 4.40	4.44	4.44	597064.8	3101.291014			4
4.47	4.48	4.51	3589242	33622.64592			5
4.62	4.64	4.66	868642.9	6185.295801			6
Height Summation:			**9419584.8**				
Amount Avg CF:			**11859.212406**	Linear:			
Aroclor-1260					6	10.82	
4.33	4.35	4.37	2757244	12858.515378			1
4.47	4.48	4.51	3589242	14612.636231			2
4.57	4.59	4.61	2435012	11548.370969			3
4.92	4.93	4.96	1872101	11081.413701			4
5.11	5.13	5.15	5456684	13097.483554			5
5.37	5.39	5.41	3543034	14177.931609			6
Height Summation:			**19653317**				
Amount Avg CF:			**12896.058574**	Linear:			
Aroclor-1262					6	36.30	
4.73	4.75	4.77	1316855	4876.891878			1
4.92	4.93	4.96	1872101	7010.510365			2
5.11	5.13	5.15	5456684	9764.672847			3
5.33	5.34	5.36	804020.4	3826.478861			4
5.37	5.39	5.41	3543034	9713.579025			5
5.75	5.77	5.79	1220738	5827.362955			6
Height Summation:			**14213432.4**				
Amount Avg CF:			**6836.582655**	Linear:			
Aroclor-1268					6	126.79	
5.33	5.34	5.37	804020.4	1211.236053			1
5.37	5.39	5.41	3543034	5488.271944			2
5.53	5.54	5.57	52200.68	92.941996			3
5.59	5.61	5.63	20321.7	146.937765			4
+ 5.59	5.63	5.63	7402.788	53.526483			4
5.75	5.77	5.79	1220738	5218.292756			5
5.95	5.97	5.99	257560.8	129.138836			6
Height Summation:			**5897875.58**				
Amount Avg CF:			**2047.803225**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2497.5515	484.8188		** 171.61	4	40	
Aroclor-1221			2497.5515	749.2655		** 192.72	3	5	
Aroclor-1232			2497.5515	602.3507		** 140.99	4	10	
Aroclor-1242			2497.5515	602.3507		** 171.38	4	30	
Aroclor-1248			2497.5515	484.8188		10.20	4	40	
Aroclor-1254			2497.5515	646.4251		30.59	4	40	
Aroclor-1260			2497.5515	572.9677		7.39	4	40	
Aroclor-1262			2497.5515	484.8188		0.93	4	40	
Aroclor-1268			2497.5515	484.8188		23.82	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998339ACF DF50 ACA4706 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:46:49 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: 25pcbs17116016.093.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.053		6038	8069
2.087		3606	5262
2.145		3450	4636
2.212		28332	24320
2.34		1630	1079
2.376		1863	1488
2.461		450	180
2.504		2450	3717
2.55		500	369
2.599		2367	1819
2.647		21796	12547
2.664		19419	10278
2.706		383	281
2.759		2829	7211
2.819		7512	5267
2.888		532	434
2.919		1011	953
2.944	TCX	78769	55158
3.052		4860	3314
3.093		1894	1918
3.138		2103	2373
3.197		3467	2931
3.249		22932	12011
3.267		716519	483959
3.337		1382	1139
3.423		11228	15045
3.467		537	286
3.486		3140	2451
3.51		2177	1109
3.53		4944	3517
3.57		1855	1761
3.606		9976	7133
3.641		793	797
3.72		10743	16622
3.749		21236	18258
3.804		11029	10830
3.846		1671	1047
3.876		52900	39797
3.912		36092	55090
4		22559	17142
4.025		4193	2706
4.056		11874	8466
4.082		30132	39282
4.13		4692	4159
4.176		998	491
4.192		8645	5216
4.215		11143	6809
4.251		228497	175572
4.268		28701	14828
4.294		80390	68947
4.364		86695	73500
4.406		447747	473034
4.44		170314	143807
4.481		11722	8048

RT A	Compound A	Height A	Area A
4.503		19665	14869
4.544		164592	162799
4.595		125283	86989
4.612		96857	113534
4.656		651440	585444
4.705		401813	453800
4.741		116701	85024
4.781		1167958	1102771
4.827		62451	53624
4.867		498042	506025
4.901		13397	8603
4.928		238664	242990
4.98		1603197	2004449
5.03		211867	200006
5.068		782838	899757
5.113		38037	24239
5.149		142274	177230
5.183		2152855	2187692
5.224		25053	12869
5.251		726242	674356
5.293		511809	526603
5.331		4944	3524
5.387		305953	252762
5.411		810860	683347
5.467		442683	417619
5.505		276511	269575
5.548		37664	43633
5.588		311675	362916
5.646		2474875	2483529
5.733		3615	2985
5.765		2920	2217
5.801		1544	2280
5.849		1454489	1361704
5.879		103169	68943
5.904		235856	282415
5.949		941	765
6.016		9047	6832
6.04		16476	15868
6.091		43038	33873
6.12		236080	227179
6.157		1845	1123
6.183		1578	1239
6.276		592060	576150
6.322		38930	37358
6.365		1304	1135
6.413		1100	1792
6.481		116821	126002
6.564		788	1549
6.63	DCB	74637	86625
6.688		5025	5456
6.738		531	460
6.777		1788	2329
6.836		1207	1950
6.915		5386	13182
6.965		926	614

LANCASTER LABORATORIES

Sample Number: 8998339ACF DF50 ACA4706 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:46:49 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.093:RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.113		1293	2167
2.162		3852	3420
2.24		2958	5582
2.274		1286	1260
2.324		20543	21700
2.368		35670	28461
2.471		1679	1813
2.497		8927	6128
2.559		543	1822
2.577		1235	750
2.62	TCX	109174	70181
2.722		2068	3074
2.761		1191	1167
2.791		8094	4608
2.82		2454	2520
2.856		1321	1255
2.885		1470	1187
2.918		1115253	746653
3.042		16586	9900
3.115		10767	13313
3.188		5200	3232
3.212		5793	3113
3.237		9232	8170
3.275		19134	12442
3.321		3852	2686
3.368		2202	1505
3.396		15255	13723
3.417		13419	6628
3.432		18432	21062
3.506		24370	18503
3.541		98808	61655
3.565		98440	77540
3.6		7272	3959
3.669		53553	35647
3.692		14358	7980
3.713		27724	19747
3.742		45284	25166
3.759		35736	20515
3.796		21266	18995
3.842		32098	32881
3.871		37959	22839
3.892		672563	450010
3.918		109610	64918
3.937		56459	30588
3.957		180629	116891
3.992		937253	639323
4.024		339602	219305
4.041		71964	33921
4.103		42170	33683
4.137		257662	227535
4.166		28146	21563
4.194		441855	332862
4.236		254438	250317
4.255		861218	462328

RT B	Compound B	Height B	Area B
4.268		469883	230926
4.294		411706	410045
4.346		2757244	2120417
4.384		128357	110142
4.416		901383	608998
4.44		597065	421965
4.483		3589243	2782066
4.538		8298	7154
4.585		2435012	2372382
4.636		868643	718065
4.677		721871	638061
4.713		4270009	3530330
4.746		1316855	917197
4.784		1135184	875138
4.843		8592	4690
4.884		250645	170626
4.901		81918	44954
4.935		1872101	1431610
4.958		517408	362974
5.008		1075057	954343
5.044		584100	463018
5.074		359408	292827
5.107		189757	119395
5.128		5456685	4342003
5.169		100773	73934
5.2		139196	114849
5.244		3584	2449
5.265		9039	6522
5.301		3525	2675
5.319		39456	24448
5.343		804020	655891
5.386		3543034	3743955
5.542		52201	44447
5.587		116190	91673
5.61		20322	12515
5.633		7403	3824
5.659		562449	467001
5.703		3787	3619
5.74		2040	1239
5.766		1220738	1062113
5.798		75397	57779
5.965		257561	230465
6.126	DCB	164885	148474
6.253		1666	830
6.302		12879	10965
6.329		4242	3702
6.4		1830	1283
6.504		1526	2433
6.555		1865	1910
6.608		2758	3153
6.659		1746	3346
6.904		4579	8289

8998339ACF DF50 ACA4706 T 171390030A 10225 SW-846 8082

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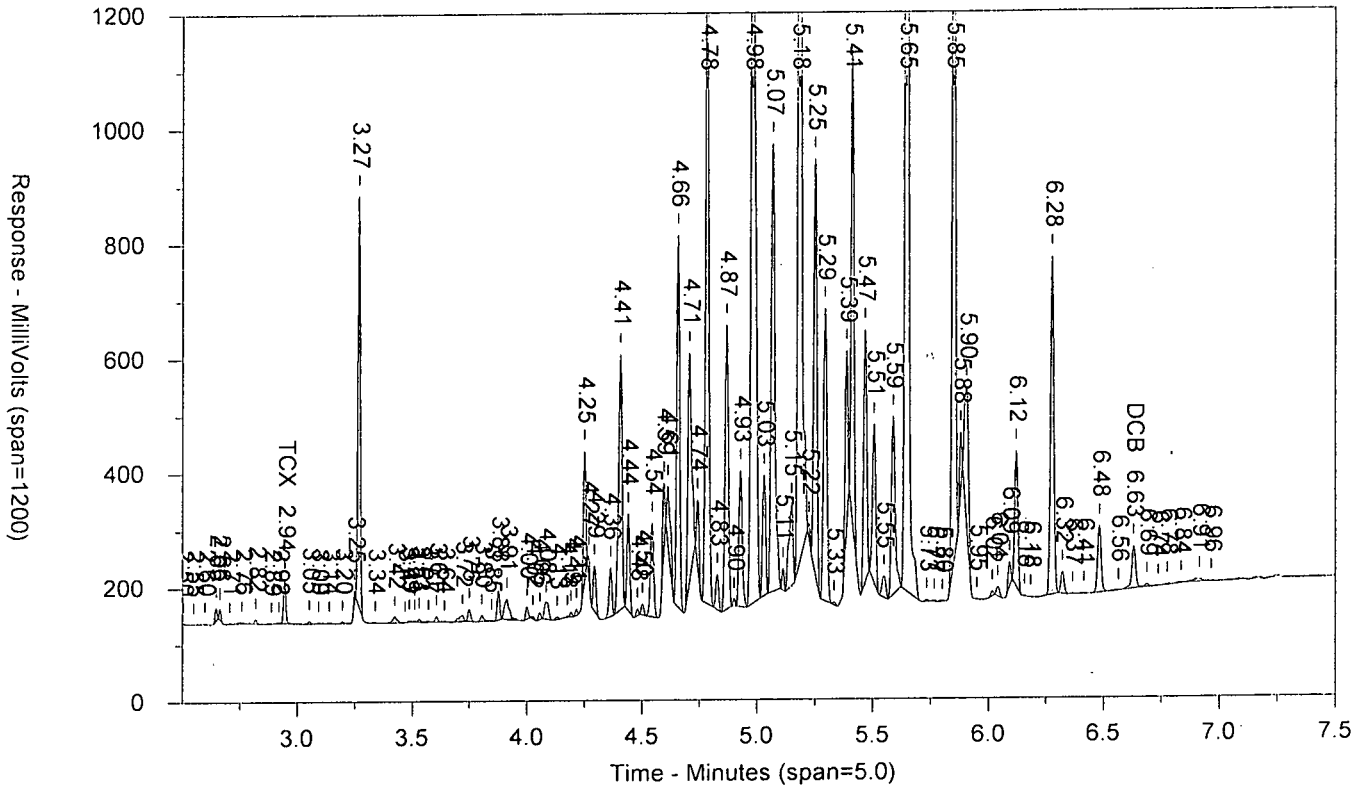

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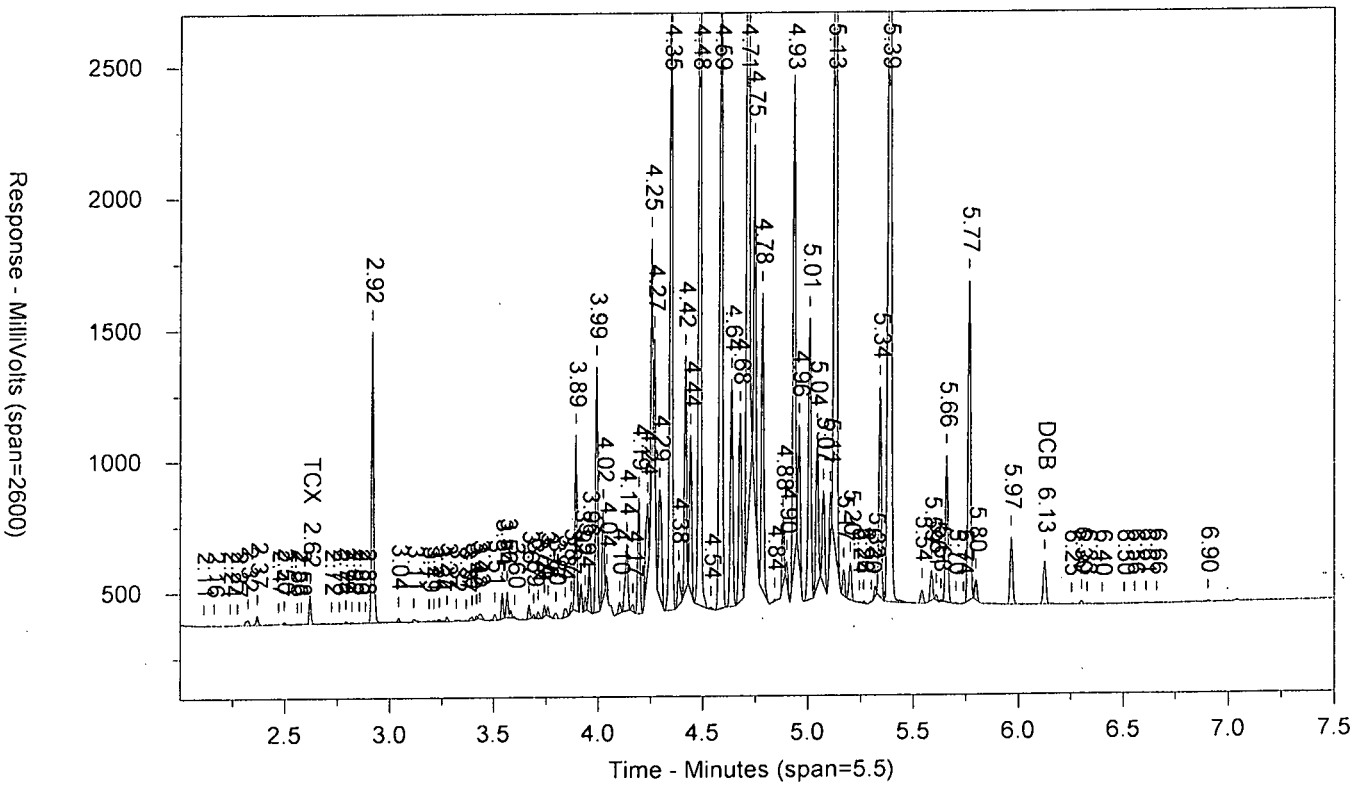

LANCASTER LABORATORIES

Sample Number: 8998339ACF DF50 ACA4706 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:46:49 AM
Sample Weight: 10.21
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	78769	27.598	TCX	2.62	109174	28.076	TCX
6.63	74637	36.667	DCB	6.126	164885	34.254	DCB

Files:
Area File: 25pcbs17116016.093.RAW
Area File: 25pcbs17116016B.093.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 10:55:21 AM
File Reported On: 5/22/2017 at 10:55:32 AM

8998339ACF DF50 ACA4706 T 171390030A 10225 SW-846 8082

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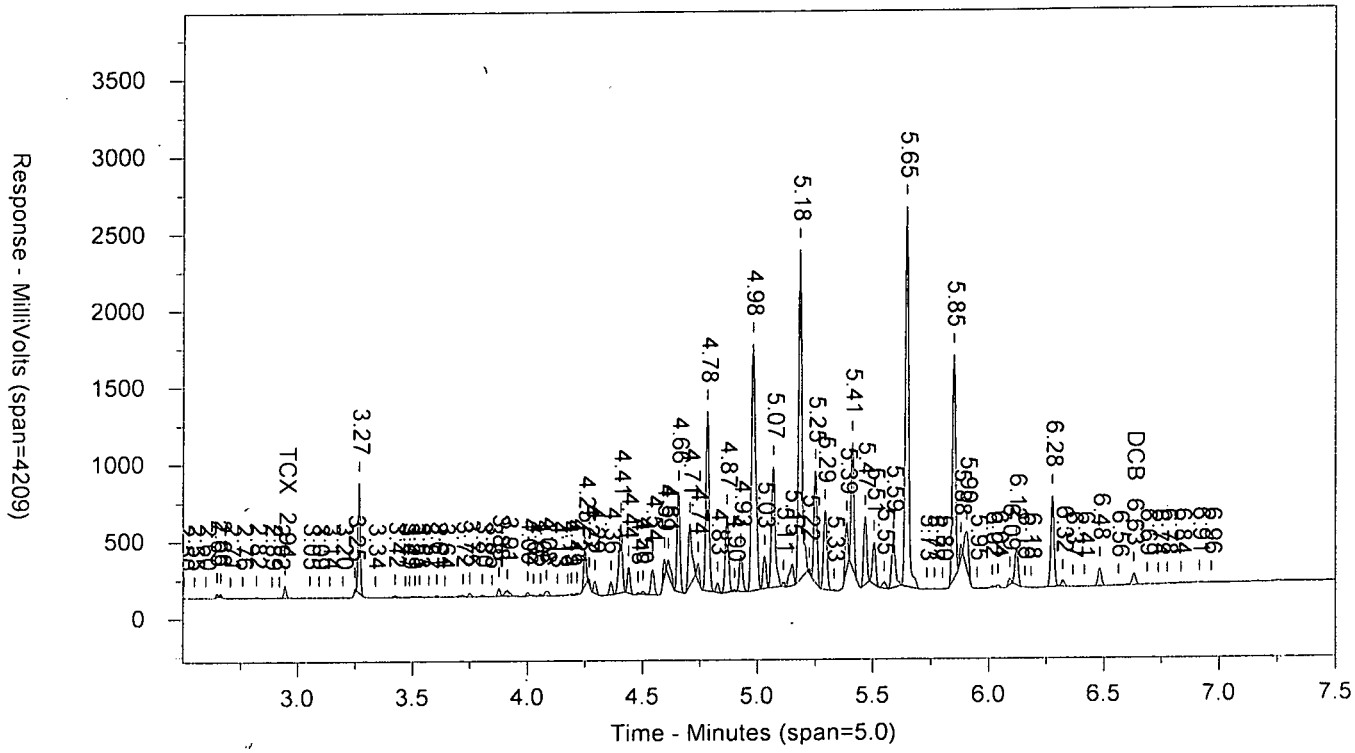

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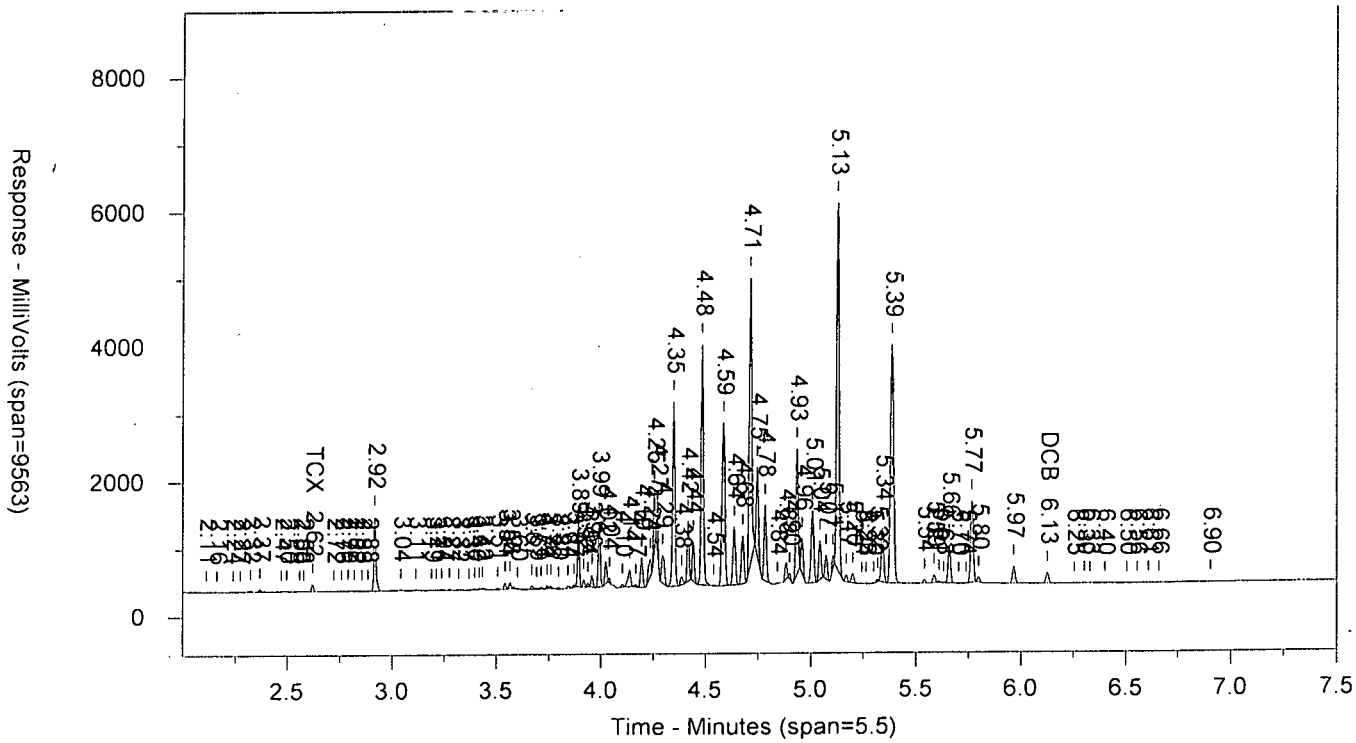

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Data Summary

Sample Name: 8998340 ACF DF5 A4707 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 10:58:06
Instrument	18274A
Result file	25PCBS17116016.094.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 29.0181
%SSR(DCB) 114% (48 - 164) Conc: 32.72228

Analysis Report (B)

Injected on	May 22, 2017 10:58:06
Instrument	18274B
Result file	25PCBS17116016B.094.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 102% (61 - 152) Conc: 29.33472
%SSR(DCB) 106% (48 - 164) Conc: 30.64067

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	824174	29.0181
Decachlorobiphenyl	6.61	6.63	6.67	662812	32.72228

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	1135104	29.33472
Decachlorobiphenyl	6.10	6.13	6.16	1467703	30.64067

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑ Tetrachloro-m-xylene	A	29.0181				1.09	
☑ Decachlorobiphenyl	A	32.72228				6.57	

Multiple Component Data

Aroclor-1260 — %RSD 15.33

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.76	4.78	4.80	786012.2	799.698209			1
5.05	5.07	5.09	671403	1178.968586			2
5.23	5.25	5.27	542648	811.73076			3
5.40	5.41	5.44	619343.8	850.207883			4
5.63	5.65	5.67	1892975	958.437213			5
5.83	5.85	5.87	1152233	955.165372			6

Height summation: **5664615**
Concentration CF: **925.701337** L:

Aroclor-1260 — %RSD 13.05

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.33	4.35	4.37	2023786	948.445215			1
4.47	4.48	4.51	2564641	1049.263213			2
4.57	4.59	4.61	1906967	908.855484			3
4.92	4.94	4.96	1388843	826.135114			4
5.11	5.13	5.15	4285286	1033.643799			5
5.37	5.39	5.41	2981712	1199.044453			6

Height summation: **15151235**
Concentration CF: **994.231213** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<250.9843	<48.7205			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	994.231213	250.9843	57.5787		7.14	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: Valorie L. Tomayko, Principal Specialist
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998340** ACF DF5 A4707 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:58:06
Instrument : CP25--18274A
Result file : 25PCBS17116016.094.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 29.0181 Bad
%SSR(DCB) : 114% (48-164) Conc.: 32.72228

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	93.35	
3.18	3.20	3.22	2327.547	4.918403			1
3.40	3.42	3.44	5212.266	11.604406			2
3.51	3.53	3.55	4276.106	7.51486			3
3.73	3.75	3.77	19920.97	28.814201			4
3.79	3.80	3.83	9207.227	14.909485			5
3.98	4.00	4.02	24433.61	56.065428			6
Height Summation:			65377.726				
Amount Avg CF:			20.637797	Linear:			
Aroclor-1221					3	66.93	
3.07	3.09	3.11	1736.865	7.534719			1
3.13	3.14	3.17	3198.033	15.113189			2
3.18	3.20	3.22	2327.547	3.59394			3
Height Summation:			7262.445				
Amount Avg CF:			8.747283	Linear:			
Aroclor-1232					6	104.66	
3.18	3.20	3.22	2327.547	4.022086			1
3.40	3.42	3.44	5212.266	24.285091			2
3.52	3.53	3.56	4276.106	15.143084			3
3.74	3.75	3.78	19920.97	57.525516			4
3.79	3.80	3.83	9207.227	31.955709			5
3.99	4.00	4.03	24433.61	129.70986			6
+ 3.99	4.02	4.03	5161.107	27.39859			6
Height Summation:			65377.726				
Amount Avg CF:			43.773558	Linear:			
Aroclor-1242					6	92.89	
3.18	3.20	3.22	2327.547	5.795701			1
3.40	3.42	3.44	5212.266	13.991129			2
3.51	3.53	3.55	4276.106	9.000545			3
3.73	3.75	3.77	19920.97	34.599249			4
3.79	3.80	3.83	9207.227	18.649355			5
3.98	4.00	4.02	24433.61	67.399208			6
Height Summation:			65377.726				
Amount Avg CF:			24.905865	Linear:			
Aroclor-1248					6	196.80	
3.79	3.80	3.83	9207.227	26.000291			1
3.86	3.88	3.90	46700.62	83.983848			2
3.98	4.00	4.02	24433.61	37.996306			3
4.07	4.09	4.11	27400	49.515789			4
4.25	4.27	4.29	35983.49	65.343808			5
4.64	4.66	4.68	601350.2	1336.773829			6
Height Summation:			745075.147				
Amount Avg CF:			266.602312	Linear:			
Aroclor-1254					6	84.57	
4.24	4.25	4.28	181917.2	307.163256			1
+ 4.24	4.27	4.28	35983.49	60.757344			1
4.58	4.60	4.62	145205	206.560786			2
+ 4.58	4.61	4.62	17140.47	24.383106			2
4.64	4.66	4.68	601350.2	442.416515			3
4.77	4.78	4.81	786012.2	1789.502908			4
4.86	4.87	4.89	518513.6	518.647254			5
5.05	5.07	5.09	671403	902.943285			6
Height Summation:			2904401.2				
Amount Avg CF:			694.539001	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:58:06
Instrument : CP25--18274B
Result file : 25PCBS17116016B.094.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 102% (61-152) Conc.: 29.33472
%SSR(DCB) : 106% (48-164) Conc.: 30.64067

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	151.74	
2.89	2.92	2.93	225385.2	338.708384			1
3.22	3.24	3.26	10405.63	11.743543			2
+ 3.41	3.42	3.45	7757.972	7.745444			3
3.41	3.43	3.45	18888.44	18.857939			3
3.49	3.51	3.53	18205.52	17.471092			4
3.65	3.67	3.69	53131.64	62.914138			5
+ 3.74	3.74	3.78	37432.41	48.511277			6
3.74	3.76	3.78	39602.29	51.323377			6
Height Summation:			365618.72				
Amount Avg CF:			83.503079	Linear:			
Aroclor-1221					3	147.25	
2.77	2.79	2.81	7026.216	20.349767			1
2.84	2.87	2.88	1625.455	7.623517			2
2.89	2.92	2.93	225385.2	250.33253			3
Height Summation:			234036.871				
Amount Avg CF:			92.768604	Linear:			
Aroclor-1232					6	88.56	
2.89	2.92	2.93	225385.2	270.840384			1
3.22	3.24	3.26	10405.63	24.886227			2
+ 3.41	3.42	3.45	7757.972	17.260885			3
3.41	3.43	3.45	18888.44	42.025312			3
3.49	3.51	3.53	18205.52	39.222162			4
3.65	3.67	3.69	53131.64	148.635424			5
+ 3.65	3.69	3.69	18154.33	50.786622			5
3.75	3.76	3.79	39602.29	110.994114			6
Height Summation:			365618.72				
Amount Avg CF:			106.100604	Linear:			
Aroclor-1242					6	150.32	
2.89	2.92	2.93	225385.2	404.423444			1
3.22	3.24	3.26	10405.63	14.705364			2
+ 3.41	3.42	3.45	7757.972	9.643599			3
3.41	3.43	3.45	18888.44	23.479401			3
3.49	3.51	3.53	18205.52	22.180576			4
3.65	3.67	3.69	53131.64	77.42438			5
+ 3.74	3.74	3.78	37432.41	57.043389			6
3.74	3.76	3.78	39602.29	60.350077			6
Height Summation:			365618.72				
Amount Avg CF:			100.427207	Linear:			
Aroclor-1248					6	168.02	
+ 3.41	3.42	3.45	7757.972	19.366163			1
3.41	3.43	3.45	18888.44	47.15106			1
3.52	3.54	3.56	91148.56	89.064245			2
3.65	3.67	3.69	53131.64	43.409401			3
+ 3.74	3.74	3.78	37432.41	40.042812			4
3.74	3.76	3.78	39602.29	42.364011			4
3.88	3.89	3.92	547153.1	291.056375			5
4.24	4.26	4.28	1228135	1379.202014			6
Height Summation:			1978059.03				
Amount Avg CF:			315.374518	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998340** ACF DF5 A4707 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.16 g Total Volume: 50 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 10:58:06
Instrument : CP25--18274A
Result file : 25PCBS17116016.094.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	15.33	
4.76	4.78	4.80	786012.2	799.698209			1
5.05	5.07	5.09	671403	1178.968586			2
5.23	5.25	5.27	542648	811.73076			3
5.40	5.41	5.44	619343.8	850.207883			4
5.63	5.65	5.67	1892975	958.437213			5
5.83	5.85	5.87	1152233	955.165372			6
Height Summation:			**5664615**				
Amount Avg CF:			**925.701337**	Linear:			
Aroclor-1262					6	31.88	
5.23	5.25	5.27	542648	454.863662			1
5.40	5.41	5.44	619343.8	602.924555			2
5.63	5.65	5.67	1892975	714.803445			3
5.83	5.85	5.87	1152233	709.259958			4
5.89	5.91	5.93	200151.7	268.778576			5
6.26	6.28	6.30	462424.9	481.032111			6
Height Summation:			**4869776.4**				
Amount Avg CF:			**538.610385**	Linear:			
Aroclor-1268					6	95.74	
5.83	5.85	5.87	1152233	401.672311			1
5.89	5.91	5.93	200151.7	76.680123			2
6.03	6.04	6.07	20077.33	8.282036			3
+ 6.09	6.09	6.13	32114.42	50.925106			4
6.09	6.12	6.13	196164.4	311.065647			4
6.26	6.28	6.30	462424.9	450.039484			5
6.47	6.48	6.51	103475.8	12.263771			6
Height Summation:			**2134527.13**				
Amount Avg CF:			**210.000562**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 10:58:06
Instrument : CP25--18274B
Result file : 25PCBS17116016B.094.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	87.51	
4.18	4.20	4.22	437351	280.238694			1
4.24	4.26	4.28	1228135	428.634358			2
4.33	4.35	4.37	2023786	1538.40859			3
4.40	4.42	4.44	906088.1	472.959021			4
+ 4.40	4.44	4.44	450719.6	235.266196			4
4.47	4.48	4.51	2564641	2414.280691			5
4.62	4.64	4.66	884382.1	632.836001			6
Height Summation:			**8044383.2**				
Amount Avg CF:			**961.226226**	Linear:			
Aroclor-1260					6	13.05	
4.33	4.35	4.37	2023786	948.445215			1
4.47	4.48	4.51	2564641	1049.263213			2
4.57	4.59	4.61	1906967	908.855484			3
4.92	4.94	4.96	1388843	826.135114			4
5.11	5.13	5.15	4285286	1033.643799			5
5.37	5.39	5.41	2981712	1199.044453			6
Height Summation:			**15151235**				
Amount Avg CF:			**994.231213**	Linear:			
Aroclor-1262					6	38.35	
4.73	4.75	4.77	948281.4	352.91851			1
4.92	4.94	4.96	1388843	522.643494			2
5.11	5.13	5.15	4285286	770.620822			3
5.33	5.34	5.36	660270.2	315.78099			4
5.37	5.39	5.41	2981712	821.488872			5
5.75	5.77	5.79	1034152	496.096331			6
Height Summation:			**11298544.6**				
Amount Avg CF:			**546.591503**	Linear:			
Aroclor-1268					6	124.03	
5.33	5.34	5.37	660270.2	99.957515			1
5.37	5.39	5.41	2981712	464.149653			2
5.53	5.54	5.57	61948.49	11.084053			3
5.59	5.61	5.63	33876.55	24.61527			4
5.75	5.77	5.79	1034152	444.244834			5
5.95	5.97	5.99	225120.5	11.342902			6
Height Summation:			**4997079.74**				
Amount Avg CF:			**175.899038**	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		** 120.73	4	40	
Aroclor-1221			250.9843	75.2953		** 165.53	3	5	
Aroclor-1232			250.9843	60.5315		** 83.17	4	10	
Aroclor-1242			250.9843	60.5315		** 120.51	4	30	
Aroclor-1248			250.9843	48.7205		16.76	4	40	
Aroclor-1254			250.9843	64.9606		32.21	4	40	
Aroclor-1260			250.9843	57.5787		7.14	4	40	
Aroclor-1262			250.9843	48.7205		1.47	4	40	
Aroclor-1268			250.9843	48.7205		17.67	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998340ACF DF5 ACA4707 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:58:06 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: 25pcbs17116016.094.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.014		775	693
2.045		11761	14058
2.093		5604	7998
2.144		22167	15603
2.212		31184	22917
2.238		2952	2170
2.293		835	852
2.338		18384	13841
2.376		1911	1569
2.405		4521	3123
2.453		468	298
2.503		6404	7412
2.546		1554	1265
2.57		414	199
2.599		1196	967
2.648		5121	2639
2.664		14328	8259
2.699		525	382
2.719		1305	765
2.751		2885	3442
2.79		11331	9115
2.859		485	397
2.885		1083	801
2.913		4250	3461
2.944	TCX	824174	573215
3.052		3600	2535
3.095		1737	1950
3.142		3198	3178
3.196		2328	1579
3.249		44831	24564
3.267		134115	85676
3.336		1285	1589
3.383		770	760
3.424		5212	8511
3.486		2824	2467
3.53		4276	3294
3.56		1022	1013
3.607		8143	5564
3.63		3016	2418
3.697		3601	2248
3.712		4362	4557
3.751		19921	18387
3.804		9207	8671
3.845		1626	1194
3.876		46701	35615
3.913		9892	12356
3.924		11518	6279
4		24434	18281
4.024		5161	3270
4.057		13670	9502
4.088		27400	35351
4.135		8016	7584
4.166		1054	671
4.177		920	317

RT A	Compound A	Height A	Area A
4.193		8619	5601
4.216		8648	5371
4.251		181917	134668
4.269		35983	19119
4.294		105342	90858
4.364		79912	69419
4.406		402713	441520
4.441		186308	162396
4.481		12806	9441
4.503		20716	15359
4.545		165748	161733
4.596		145205	108834
4.611		17140	7039
4.625		53573	33276
4.657		601350	561362
4.706		277183	296729
4.741		99342	71666
4.783		786012	781592
4.828		61027	55864
4.868		518514	494103
4.901		13263	8510
4.929		192001	197908
4.98		1230461	1537555
5.032		162356	142947
5.068		671403	768758
5.113		44496	29963
5.15		121403	147240
5.184		1741658	1774672
5.225		25483	12362
5.251		542648	504963
5.293		400838	405320
5.387		280951	225081
5.412		619344	519548
5.468		348210	335704
5.507		226558	219100
5.547		32033	33402
5.587		266160	331269
5.646		1892975	1977301
5.732		2500	2604
5.8		1588	2342
5.85		1152233	1099982
5.879		74130	48256
5.905		200152	234890
6.016		8481	7658
6.042		20077	17115
6.092		32114	24972
6.121		196164	185735
6.156		1221	735
6.182		1128	1113
6.231		448	578
6.277		462425	483155
6.322		32120	30022
6.37		1084	1111
6.403		1510	2004
6.481		103476	109915
6.551		777	263
6.56		1114	764
6.631	DCB	662812	695680
6.688		3631	2920
6.727		541	466
6.75		376	418
6.785		2130	3614
6.83		3093	4325
6.911		5566	15335
6.961		579	608

LANCASTER LABORATORIES

Sample Number: 8998340ACF DF5 ACA4707 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:58:06 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.094.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.118		5809	5802
2.161		4102	6372
2.213		2269	3299
2.235		2386	2743
2.324		6422	5643
2.368		23432	17839
2.399		1489	917
2.437		1378	609
2.469		1656	1943
2.497		3221	4885
2.538		2540	1461
2.553		20705	16348
2.596		2287	1000
2.62	TCX	1135104	713256
2.713		2868	4143
2.762		1513	1767
2.792		7026	4303
2.817		3199	4947
2.871		1625	2718
2.918		225385	200314
2.958		2250	2212
2.997		2375	3022
3.042		7102	4217
3.116		7865	6577
3.156		1864	2238
3.19		5801	5237
3.239		10406	10367
3.275		17747	13891
3.338		8949	8785
3.366		2835	1975
3.396		13416	11855
3.418		7758	4109
3.433		18888	22795
3.507		18206	14745
3.541		91149	56401
3.566		79235	44913
3.583		49391	25507
3.67		53132	35133
3.693		18154	11043
3.715		28353	20554
3.743		37432	20231
3.76		39602	22515
3.797		24374	19935
3.842		29854	29491
3.871		47395	29152
3.893		547153	372624
3.919		128873	75629
3.938		82218	45064
3.958		164713	106899
3.993		837734	578843
4.025		429729	388907
4.063		23719	15035
4.104		49704	39440
4.138		273941	228895

RT B	Compound B	Height B	Area B
4.161		13778	13823
4.195		437351	330562
4.23		222171	214642
4.255		1228135	1219117
4.294		296523	301003
4.347		2023786	1579958
4.385		134434	110868
4.417		906088	637082
4.441		450720	323440
4.484		2564641	2069063
4.538		5086	3833
4.587		1906967	1800855
4.636		884382	736704
4.678		595200	513451
4.715		3561779	2900947
4.747		948281	669853
4.786		838184	671670
4.861		28047	26179
4.885		185530	122806
4.902		77273	46090
4.936		1388843	1087449
4.959		491603	351702
5.009		864207	751423
5.045		478806	381360
5.075		295134	243161
5.106		249653	146954
5.129		4285287	3477753
5.169		86005	62318
5.201		122516	100790
5.265		6001	3915
5.32		30839	18592
5.343		660270	538236
5.386		2981712	3054445
5.542		61948	51387
5.588		103717	79586
5.611		33877	21663
5.634		7081	3623
5.66		457329	384295
5.704		3703	2782
5.739		2684	1568
5.767		1034152	891534
5.798		64637	48873
5.966		225121	199859
6.126	DCB	1467703	1379273
6.303		9794	7080
6.33		8943	7479
6.499		1151	6203
6.608		3707	5540
6.656		2310	2139
6.755		1428	2663
6.905		4548	5140
6.939		1234	923

8998340ACF DF5 ACA4707 T 171390030A 10225 SW-846 8082

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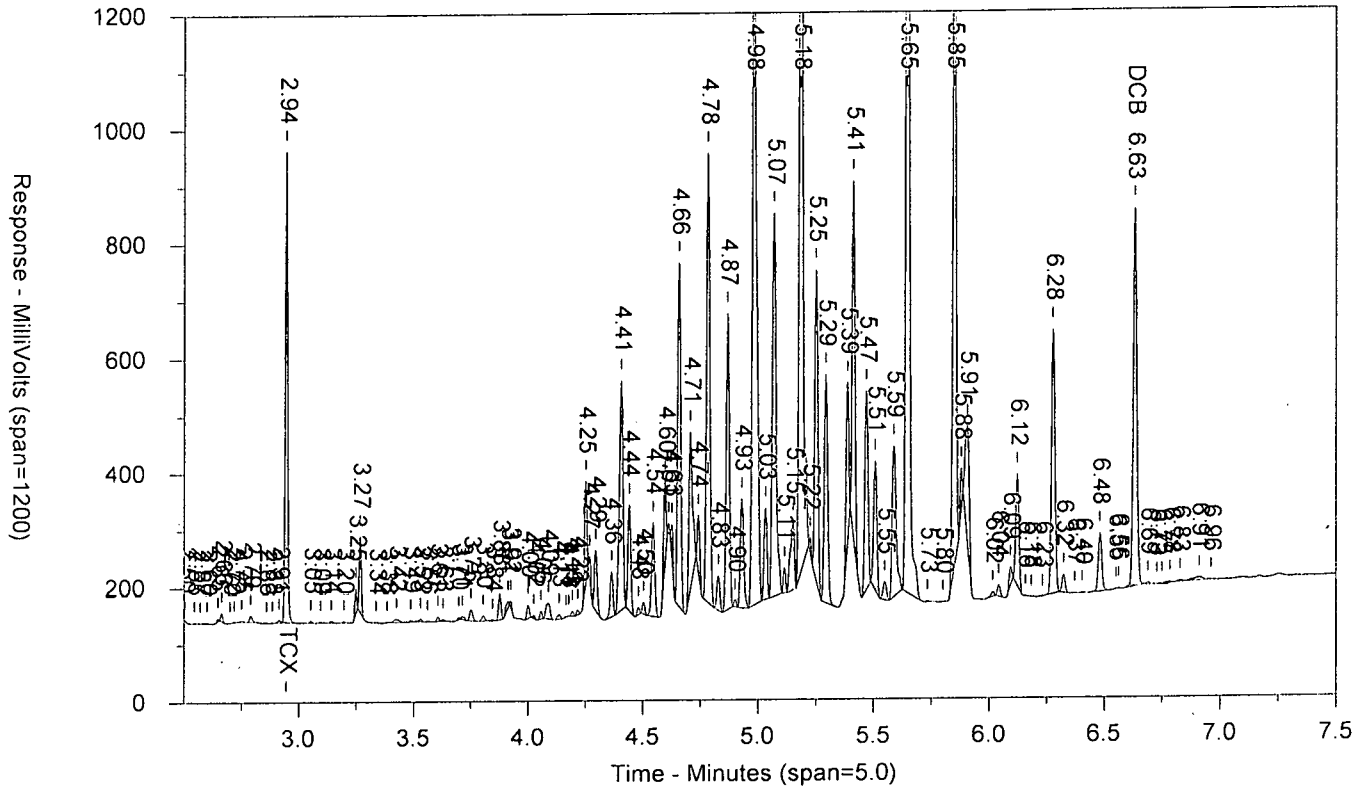

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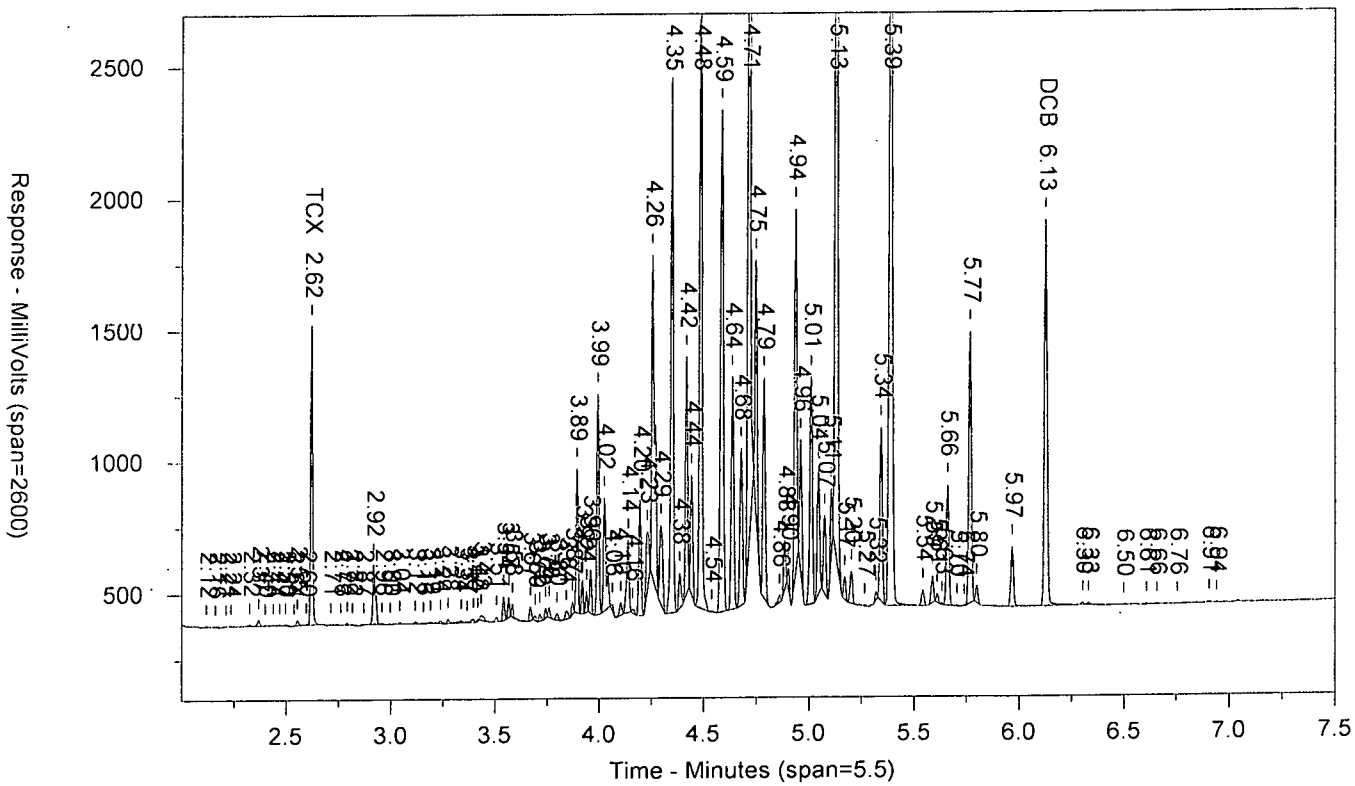

LANCASTER LABORATORIES

Sample Number: 8998340ACF DF5 ACA4707 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 10:58:06 AM
Sample Weight: 10.16
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	824174	29.018	TCX	2.62	1135104	29.335	TCX
6.631	662812	32.722	DCB	6.126	1467703	30.641	DCB

Files:
Area File: 25pcbs17116016.094.RAW
Area File: 25pcbs17116016B.094.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 11:06:40 AM
File Reported On: 5/22/2017 at 11:06:47 AM

8998340ACF DF5 ACA4707 T 171390030A 10225 SW-846 8082

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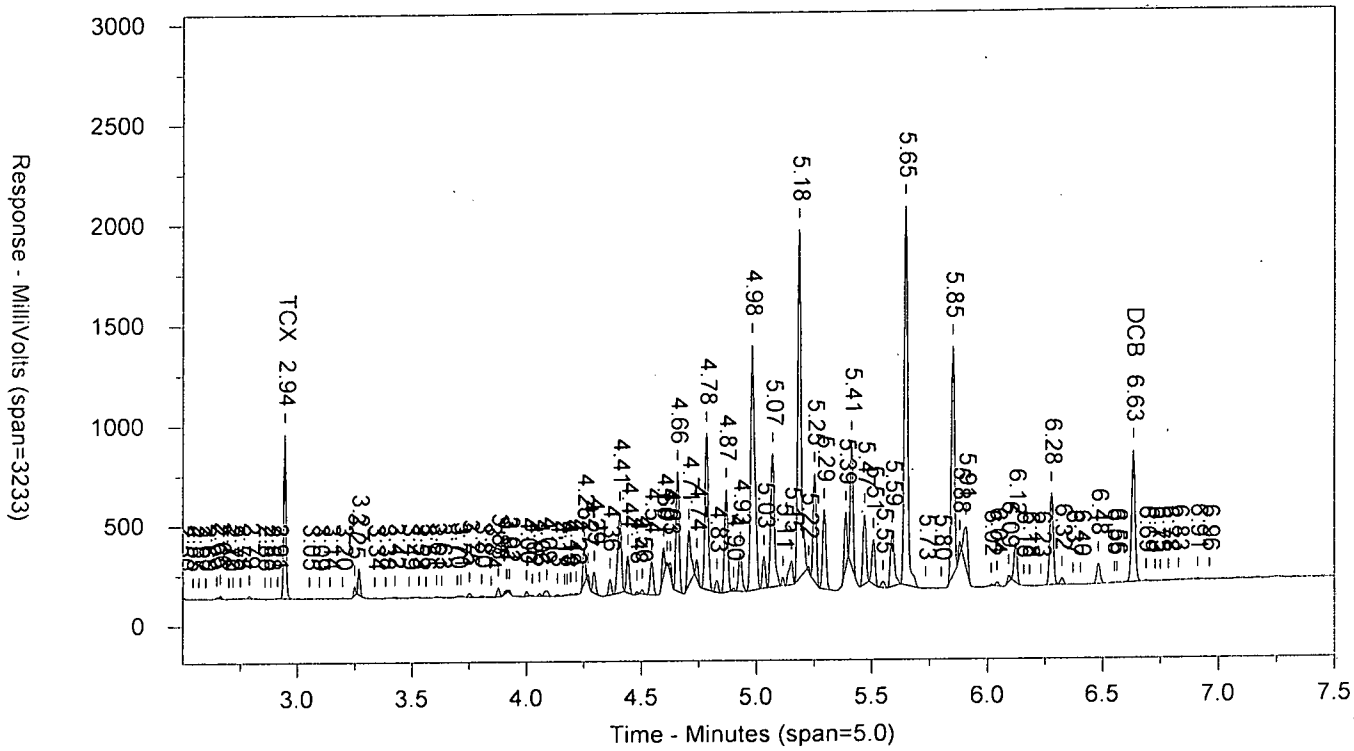

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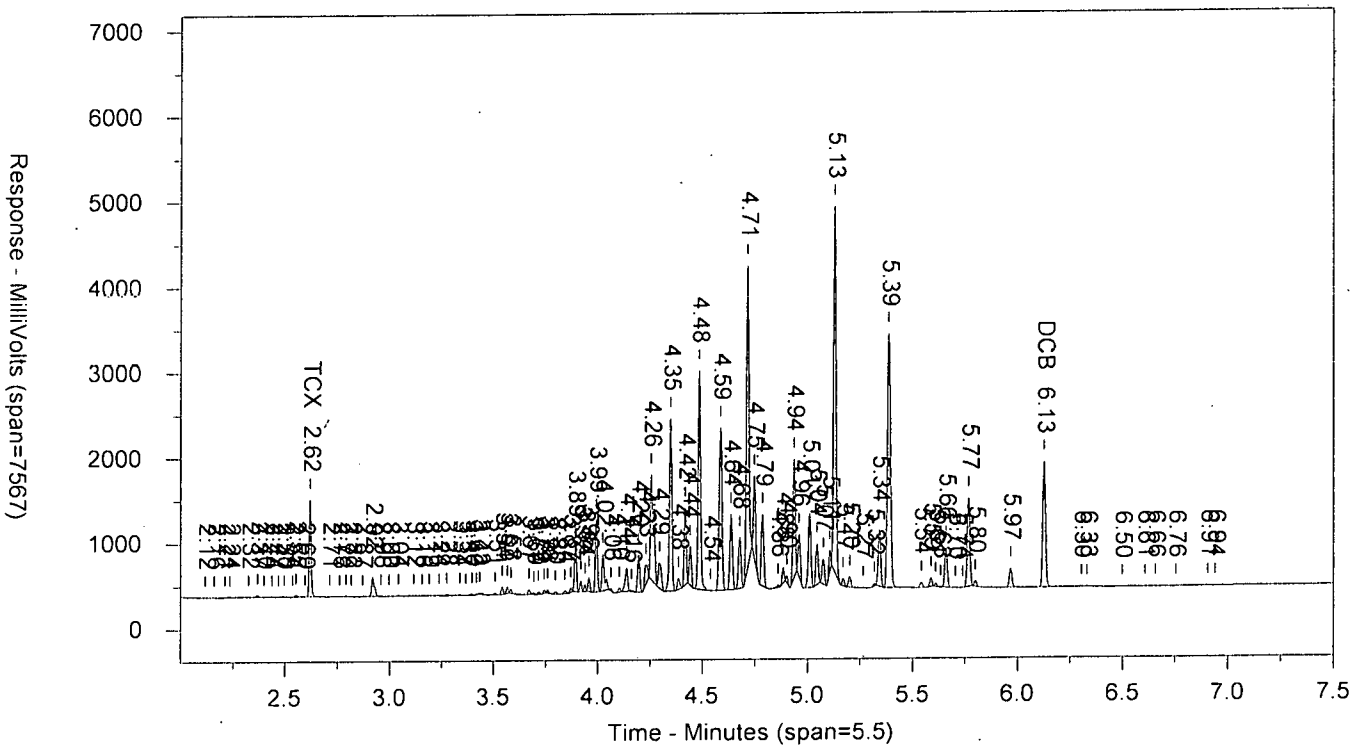

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Data Summary

Sample Name: 8998341 RI AF A4708 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 9065 SDG: ATE47 State: DE
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 16:56:16
Instrument	17342A
Result file	20PCBS17137003.021.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 106% (33 - 137) Conc: 0.312409
%SSR(DCB) 88% (10 - 148) Conc: 0.259852

Analysis Report (B)

Injected on	May 20, 2017 16:56:16
Instrument	17342B
Result file	20PCBS17137003B.021.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 105% (33 - 137) Conc: 0.311065
%SSR(DCB) 88% (10 - 148) Conc: 0.261963

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	4384538	0.312409	Tetrachloro-m-xylene	2.59	2.62	2.65	26557650	0.311065
Decachlorobiphenyl	6.58	6.61	6.64	2208435	0.259852	Decachlorobiphenyl	6.08	6.11	6.14	15761430	0.261963

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	0.312409				0.43	
☑	Decachlorobiphenyl	B	0.261963				0.81	

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<0.4049	<0.081			4	
☑	PCB-1221			<0.4049	<0.081			3	
☑	PCB-1232			<0.4049	<0.1619			4	
☑	PCB-1242			<0.4049	<0.081			4	
☑	PCB-1248			<0.4049	<0.081			4	
☑	PCB-1254			<0.4049	<0.081			4	
☑	PCB-1260			<0.4049	<0.1215			4	

Units: ug/l

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

Reviewed by: Jessica L. Muller, Senior Chemist
Date: MAY 21 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 22 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998341** RI AF A4708 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 9065 SDG: ATE47 State: DE
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 16:56:16
Instrument : CP20--17342A
Result file : 20PCBS17137003.021.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 106% (33-137) Conc.: 0.312409
%SSR(DCB) : 88% (10-148) Conc.: 0.259852

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	73.52	
3.16	3.18	3.20	790.9158	0.003121			1
3.37	3.40	3.41	3615.683	0.013973			2
3.49	3.52	3.53	3823.945	0.013126			3
3.71	3.71	3.75	9624.959	0.029821			4
Height Summation:			**17855.5028**				
Amount Avg CF:			**0.01501**	Linear:			
Aroclor-1221					3	84.98	
3.06	3.07	3.10	11511.17	0.094828			1
+ 3.11	3.13	3.15	7194.742	0.068558			2
3.11	3.15	3.15	7799.682	0.074323			2
3.16	3.18	3.20	790.9158	0.002333			3
Height Summation:			**20101.7678**				
Amount Avg CF:			**0.057161**	Linear:			
Aroclor-1232					4	82.40	
3.16	3.18	3.20	790.9158	0.002601			1
3.38	3.40	3.42	3615.683	0.029547			2
3.49	3.52	3.53	3823.945	0.02848			3
3.71	3.71	3.75	9624.959	0.06608			4
Height Summation:			**17855.5028**				
Amount Avg CF:			**0.031677**	Linear:			
Aroclor-1242					4	73.96	
3.16	3.18	3.20	790.9158	0.003643			1
3.38	3.40	3.42	3615.683	0.016867			2
3.49	3.52	3.53	3823.945	0.016291			3
3.71	3.71	3.75	9624.959	0.03645			4
Height Summation:			**17855.5028**				
Amount Avg CF:			**0.018312**	Linear:			
Aroclor-1248					3	52.21	
3.83	3.85	3.87	1467.241	0.005629			2
4.05	4.08	4.09	3140.533	0.012307			4
4.61	4.63	4.65	4032.483	0.018197			6
Height Summation:			**8640.257**				
Amount Avg CF:			**0.012044**	Linear:			
Aroclor-1254					4	141.87	
4.21	4.23	4.25	17740.13	0.049773			1
4.55	4.57	4.59	2118.809	0.005915			2
4.61	4.63	4.65	4032.483	0.005574			3
4.83	4.85	4.87	1188.193	0.002485			5
Height Summation:			**25079.615**				
Amount Avg CF:			**0.015937**	Linear:			
Aroclor-1260					3	134.37	
+ 5.20	5.21	5.24	1706.662	0.005097			3
5.20	5.23	5.24	11187.3	0.033409			3
5.37	5.39	5.41	716.6148	0.001876			4
5.82	5.84	5.86	2102.972	0.004042			6
Height Summation:			**14006.8868**				
Amount Avg CF:			**0.013109**	Linear:			

Analysis Report (B)

Injected on : May 20, 2017 16:56:16
Instrument : CP20--17342B
Result file : 20PCBS17137003B.021.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 105% (33-137) Conc.: 0.311065
%SSR(DCB) : 88% (10-148) Conc.: 0.261963

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	134.96	
2.88	2.89	2.92	4082.193	0.002923			1
+ 2.88	2.90	2.92	3103.714	0.002223			1
+ 3.21	3.22	3.25	28653.5	0.016511			2
3.21	3.25	3.25	388049.9	0.223604			2
3.40	3.41	3.44	6925.918	0.003972			3
3.47	3.48	3.51	16832.7	0.008162			4
+ 3.63	3.64	3.67	6893.199	0.003978			5
3.63	3.67	3.67	238314.3	0.137543			5
3.72	3.73	3.76	48080.6	0.032384			6
+ 3.72	3.76	3.76	21558.53	0.01452			6
Height Summation:			**702285.611**				
Amount Avg CF:			**0.068098**	Linear:			
Aroclor-1221					2	134.54	
2.83	2.83	2.87	39469.02	0.086876			2
+ 2.83	2.85	2.87	34098.34	0.075055			2
2.88	2.89	2.92	4082.193	0.002166			3
+ 2.88	2.90	2.92	3103.714	0.001647			3
Height Summation:			**43551.213**				
Amount Avg CF:			**0.044521**	Linear:			
Aroclor-1232					6	152.13	
2.88	2.89	2.92	4082.193	0.002393			1
+ 2.88	2.90	2.92	3103.714	0.001819			1
+ 3.21	3.22	3.25	28653.5	0.03475			2
3.21	3.25	3.25	388049.9	0.470608			2
3.40	3.41	3.44	6925.918	0.009388			3
3.47	3.48	3.51	16832.7	0.018572			4
3.66	3.67	3.70	238314.3	0.962824			5
3.73	3.73	3.77	48080.6	0.074092			6
+ 3.73	3.76	3.77	21558.53	0.033222			6
Height Summation:			**702285.611**				
Amount Avg CF:			**0.256313**	Linear:			
Aroclor-1242					6	133.27	
2.88	2.89	2.92	4082.193	0.0034			1
+ 2.88	2.90	2.92	3103.714	0.002585			1
+ 3.21	3.22	3.25	28653.5	0.019981			2
3.21	3.25	3.25	388049.9	0.270603			2
3.40	3.41	3.44	6925.918	0.004911			3
3.47	3.48	3.51	16832.7	0.010444			4
+ 3.64	3.64	3.68	6893.199	0.005195			5
3.64	3.67	3.68	238314.3	0.179588			5
3.73	3.73	3.77	48080.6	0.04045			6
+ 3.73	3.76	3.77	21558.53	0.018137			6
Height Summation:			**702285.611**				
Amount Avg CF:			**0.084899**	Linear:			
Aroclor-1248					5	107.34	
3.40	3.41	3.44	6925.918	0.01007			1
3.51	3.53	3.55	70058.62	0.036117			2
+ 3.63	3.64	3.67	6893.199	0.002844			3
3.63	3.67	3.67	238314.3	0.098335			3
3.72	3.73	3.76	48080.6	0.027476			4
+ 3.72	3.76	3.76	21558.53	0.01232			4
4.22	4.25	4.26	5190.55	0.003542			6
Height Summation:			**368569.988**				
Amount Avg CF:			**0.035108**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998341** RI AF A4708 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 247 ml Total Volume: 2 ml Analyst: 9065 SDG: ATE47 State: DE
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 16:56:16
Instrument : CP20--17342A
Result file : 20PCBS17137003.021.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**106.75**	
+ 5.21	5.21	5.24	1706.662	0.002768			1
5.21	5.23	5.24	11187.3	0.018145			1
5.37	5.39	5.41	716.6148	0.001439			2
5.81	5.84	5.85	2102.972	0.003161			4
5.87	5.90	5.91	1849.088	0.005611			5
Height Summation:			**15855.9748**				
Amount Avg CF:				**0.007089** Linear:			
Aroclor-1268					**5**	**164.23**	
5.81	5.84	5.85	2102.972	0.001422			1
5.87	5.90	5.91	1849.088	0.001433			2
6.00	6.02	6.04	41875.44	0.034791			3
6.07	6.09	6.11	42671.93	0.154641			4
6.45	6.46	6.49	28811.51	0.007405			6
Height Summation:			**117310.94**				
Amount Avg CF:				**0.039938** Linear:			

Analysis Report (B)

Injected on : May 20, 2017 16:56:16
Instrument : CP20--17342B
Result file : 20PCBS17137003B.021.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**3**	**52.01**	
4.22	4.25	4.26	5190.55	0.001133			2
4.31	4.33	4.35	5528.368	0.002594			3
4.60	4.62	4.64	7994.447	0.0037			6
Height Summation:			**18713.365**				
Amount Avg CF:				**0.002476** Linear:			
Aroclor-1260					**5**	**75.70**	
4.31	4.33	4.35	5528.368	0.001585			1
4.55	4.57	4.59	21108.29	0.00638			3
4.90	4.92	4.94	6913.134	0.002718			4
5.09	5.11	5.13	2784.167	0.000482			5
5.35	5.38	5.39	21016.46	0.005444			6
Height Summation:			**57350.419**				
Amount Avg CF:				**0.003322** Linear:			
Aroclor-1262					**5**	**75.31**	
4.71	4.74	4.75	6123.975	0.00153			1
4.90	4.92	4.94	6913.134	0.001736			2
5.09	5.11	5.13	2784.167	0.000368			3
5.31	5.32	5.35	4623.147	0.001473			4
5.35	5.38	5.39	21016.46	0.00416			5
Height Summation:			**41460.883**				
Amount Avg CF:				**0.001853** Linear:			
Aroclor-1268					**5**	**168.47**	
5.31	5.32	5.35	4623.147	0.000452			1
5.35	5.38	5.39	21016.46	0.002031			2
5.51	5.53	5.55	300504.6	0.0338			3
5.57	5.59	5.61	357790.2	0.166449			4
5.93	5.95	5.97	198277.7	0.007489			6
Height Summation:			**882212.107**				
Amount Avg CF:				**0.042044** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4049	0.081		** 127.76	4	40	
Aroclor-1221			0.4049	0.081		24.86	3	5	
Aroclor-1232			0.4049	0.1619		** 156.00	4	10	
Aroclor-1242			0.4049	0.081		** 129.03	4	30	
Aroclor-1248			0.4049	0.081		** 97.83	4	40	
Aroclor-1254			0.4049	0.081		** 146.22	4	40	
Aroclor-1260			0.4049	0.1215		** 119.13	4	40	
Aroclor-1262			0.4049	0.1619		** 117.10	4	40	
Aroclor-1268			0.4049	0.1296		5.14	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: 8998341 RI AF ABA4708 T 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 4:56:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.04		3860	3254
2.131		132146	95270
2.172		12186	9799
2.199		6250	3666
2.219		12860	9209
2.313		4101	2498
2.33		5788	3479
2.389		337039	217362
2.427		3043	2777
2.453		998	515
2.476		74443	48331
2.568		1738	1301
2.622		1025	698
2.659		1782	1236
2.698		3865	2766
2.732		16456	14016
2.783		11134	7277
2.83		3641	3119
2.873		7926	5756
2.925	TCX	4384539	2830499
2.979		5023	3626
3.07		11511	10085
3.108		7064	4120
3.125		7195	4026
3.149		7800	5196
3.177		791	478
3.237		8564	5076
3.259		34854	22843
3.319		1907	1583
3.352		3342	3190
3.4		3616	2623
3.424		4016	2412
3.468		45000	31920
3.521		3824	3623
3.588		49164	33496
3.657		75677	53047
3.711		9625	9226
3.818		1482	1120
3.849		1467	1233
3.892		6553	4721
3.941		830	1279
4.011		33950	26512
4.081		3141	3442
4.136		3873	3902
4.171		1297	972
4.2		1340	1377
4.226		17740	13942
4.298		4856	4461
4.379		1129	1352
4.514		1763	2373
4.573		2119	1710
4.626		4032	3763
4.853		1188	1082
4.88		13913	11680

RT A	Compound A	Height A	Area A
4.923		1328	1114
4.949		1062	1814
5.082		2529	3052
5.119		26091	24719
5.206		1707	1646
5.234		11187	10272
5.394		717	1269
5.53		22886	22948
5.652		39398	39051
5.735		1233	1492
5.838		2103	2952
5.902		1849	2102
6.023		41875	44284
6.087		42672	38429
6.109		8001	5110
6.463		28812	31055
6.609	DCB	2208435	2426306
6.681		2326	2268
7.186		996	919
7.323		5220	6931
7.755		832	3611

LANCASTER LABORATORIES

Sample Number: 8998341 RI AF ABA4708 T 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 4:56:16 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137003B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.01		3835	2666
2.037		21711	11192
2.054		42781	25297
2.096		438340	226019
2.115		2621350	1448418
2.145		7864	3753
2.165		6913	3753
2.202		17257	9355
2.231		24223	41844
2.288		4608	3822
2.323		2263	1641
2.355		6479	3470
2.396		93816	60875
2.435		122808	80202
2.47		5345	4911
2.532		4714	4475
2.569		10882	8522
2.591		52269	26989
2.616	TCX	26557650	15081600
2.673		6128	5181
2.736		68829	40354
2.765		52238	37892
2.817		8484	3787
2.833		39469	20806
2.854		34098	22483
2.888		4082	4734
2.901		3104	1793
2.923		34020	20223
2.948		22764	12172
2.972		14298	9373
3.001		116428	80781
3.048		32203	18624
3.07		5864	3154
3.084		8799	4704
3.101		5732	2899
3.132		13006	6226
3.147		285593	155985
3.175		4913	1918
3.192		33564	16038
3.206		17842	7258
3.221		28654	13229
3.245		388050	243797
3.292		4789	2482
3.32		598697	380479
3.347		4673	1659
3.364		69614	43376
3.405		6926	6840
3.445		6429	10033
3.48		16833	10674
3.534		70059	43656
3.578		4174	3015
3.61		7776	4763
3.645		6893	6956
3.669		238314	163632

RT B	Compound B	Height B	Area B
3.707		6838	8771
3.734		48081	30070
3.759		21559	17882
3.788		8899	5071
3.827		154961	101899
3.935		10665	8535
3.972		7189	13012
4.02		7904	6704
4.072		35997	30061
4.117		19831	13152
4.133		5912	3175
4.152		13012	8308
4.203		6172	6956
4.249		5191	9137
4.301		2979	2602
4.332		5528	4984
4.371		4834	4739
4.44		89093	68953
4.528		25603	23592
4.566		21108	24438
4.622		7994	7845
4.668		167187	130691
4.706		79989	64571
4.743		6124	3896
4.804		5246	5064
4.918		6913	6220
4.942		2737	1910
4.982		12029	13072
5.028		3947	2352
5.062		133933	118631
5.115		2784	2671
5.184		258475	226484
5.324		4623	5866
5.376		21016	21915
5.431		1859	933
5.449		1543	887
5.527		300505	264050
5.594		357790	310142
5.643		117980	102201
5.948		198278	164753
5.979		4719	3260
6.065		1678	1462
6.107	DCB	15761430	14365500
6.201		4837	2142
6.23		18796	24407
6.286		3543	5588
6.365		2773	3441
6.491		2289	1565
6.726		3973	3444
6.819		28345	28195
7.113		1971	3461
7.248		1339	1533
7.31		1718	1866
7.533		2442	3739
7.601		1827	2472
8.215		18975	39068

8998341 RI AF ABA4708 T 171380019A 10227 SW-846 8082

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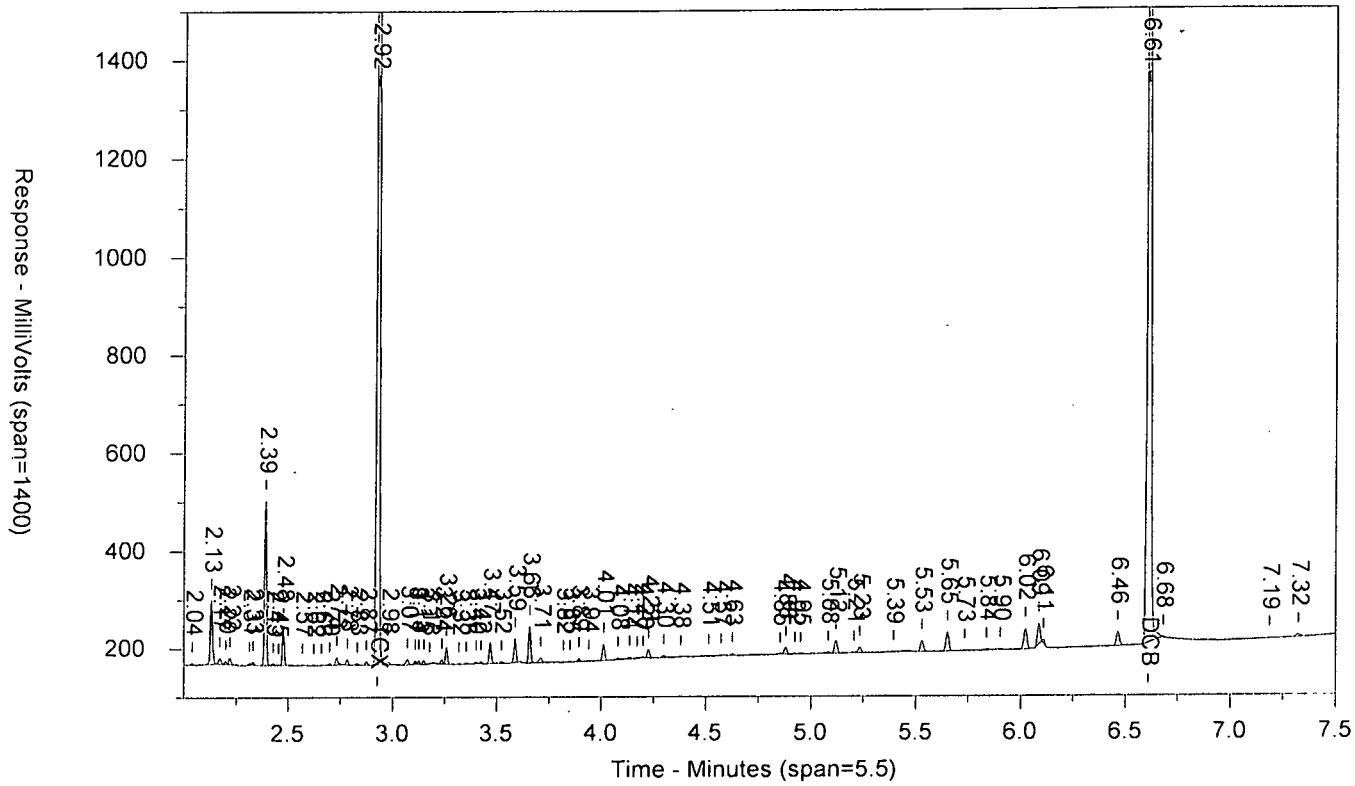

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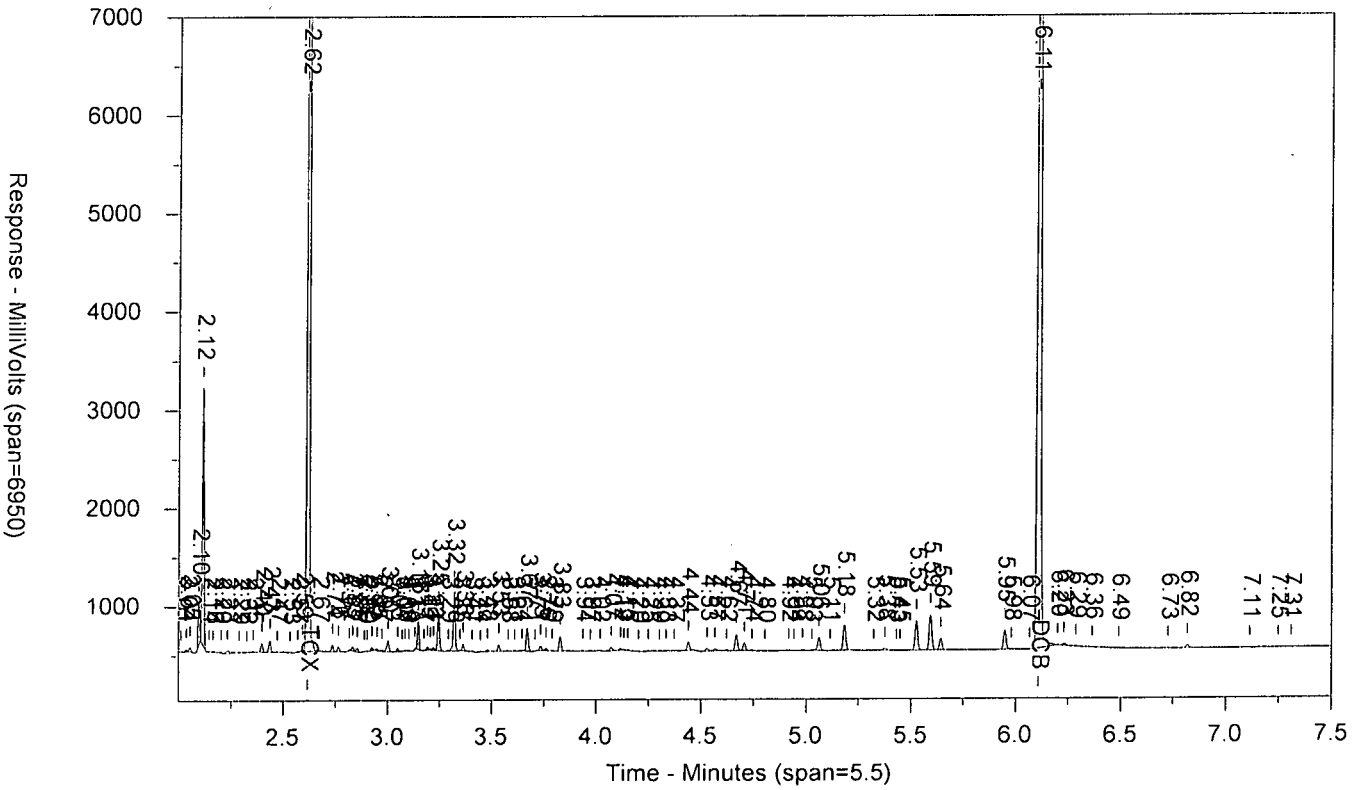

LANCASTER LABORATORIES

Sample Number: 8998341 RI AF ABA4708 T 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 4:56:16 PM Sample Weight: 247
Instrument ID: CP20-17342 Dilution Factor: 2
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: 5
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
2.925	4384539	.312	TCX	2.616	26557650	.311	TCX
6.609	2208435	.26	DCB	6.107	15761430	.262	DCB

Files:
Area File: 20pcbs17137003.021.RAW
Area File: 20pcbs17137003B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 5:04:58 PM
File Reported On: 5/20/2017 at 5:05:09 PM

8998341 RI AF ABA4708 T 171380019A 10227 SW-846 8082

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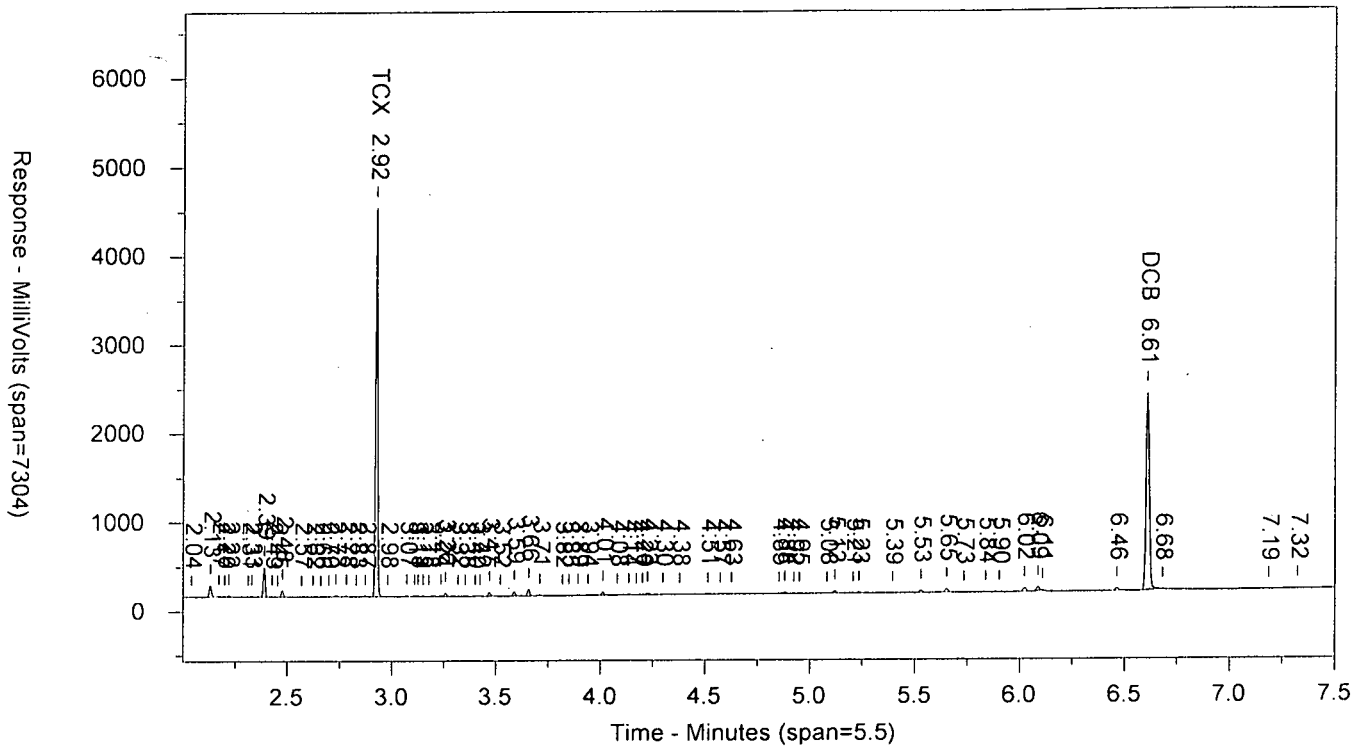

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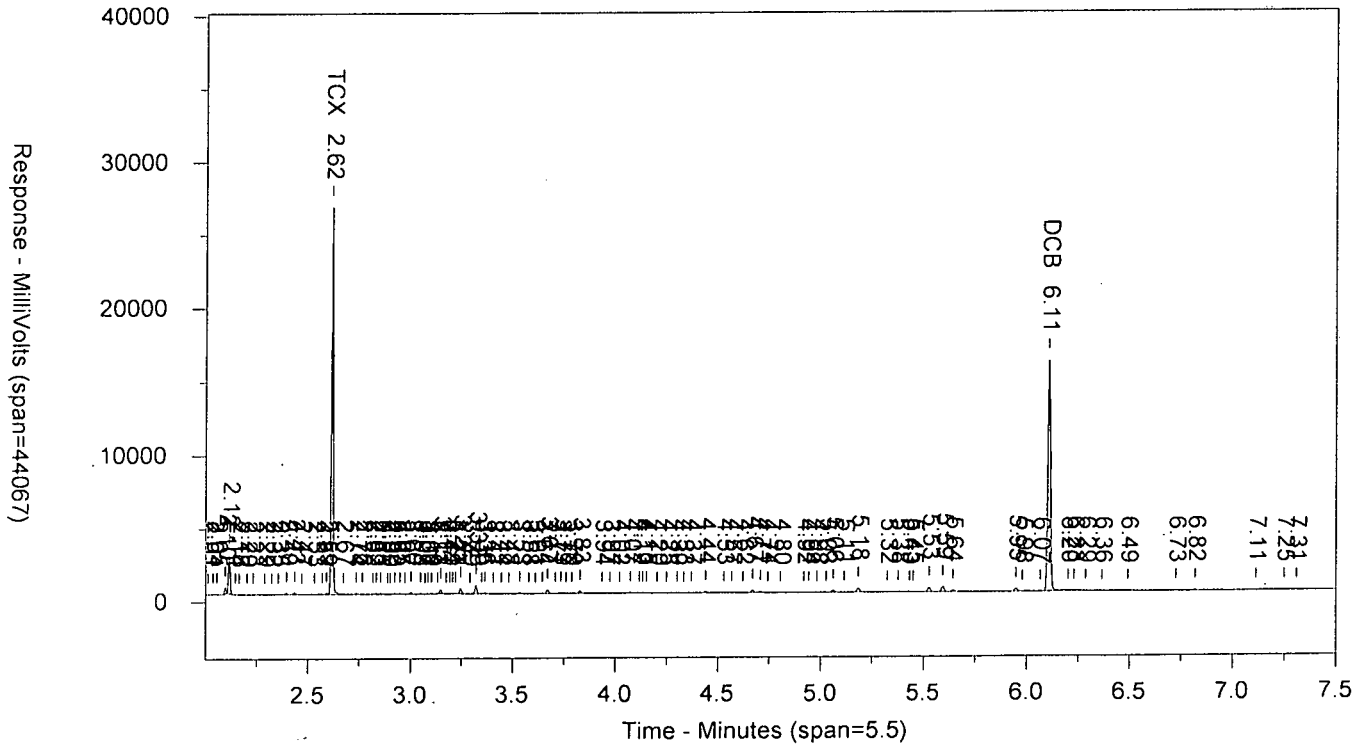

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Data Summary

Sample Name: 8998342 ACF A4709 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.24 g Total Volume: 10 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 11:09:27
Instrument	18274A
Result file	25PCBS17116016.095.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 105% (61 - 152) Conc: 30.01261
%SSR(DCB) 99% (48 - 164) Conc: 28.37803

Analysis Report (B)

Injected on	May 22, 2017 11:09:27
Instrument	18274B
Result file	25PCBS17116016B.095.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 32.78716
%SSR(DCB) 106% (48 - 164) Conc: 30.15713

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	4295662	30.01261
Decachlorobiphenyl	6.61	6.63	6.67	2896710	28.37803

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	6393430	32.78716
Decachlorobiphenyl	6.10	6.13	6.16	7279578	30.15713

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☑	Tetrachloro-m-xylene	A	30.01261				8.84	
☑	Decachlorobiphenyl	B	30.15713				6.08	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.26**	
4.76	4.78	4.80	249444	50.360919			1
5.05	5.07	5.09	164605.4	57.357047			2
5.23	5.25	5.27	162097.3	48.116422			3
5.40	5.41	5.44	175642.7	47.846171			4
5.63	5.65	5.67	529476.2	53.197225			5
5.83	5.85	5.87	330912.7	54.434651			6

Height summation: **1612178.3**
Concentration CF: **51.885406** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.06**	
4.33	4.35	4.37	558213.3	51.912458			1
4.47	4.48	4.51	765075.9	62.113519			2
4.57	4.59	4.61	494890.7	46.804186			3
4.92	4.93	4.96	400782.9	47.307594			4
5.11	5.13	5.15	1133018	54.231504			5
5.37	5.39	5.41	791948.1	63.196068			6

Height summation: **4143928.9**
Concentration CF: **54.260888** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.8047	<9.668			4	
☑	PCB-1221			<49.8047	<14.9414			3	
☑	PCB-1232			<49.8047	<12.0117			4	
☑	PCB-1242			<49.8047	<12.0117			4	
☑	PCB-1248			<49.8047	<9.668			4	
☑	PCB-1254			<49.8047	<12.8906			4	
☑	PCB-1260	B	54.260888	49.8047	11.4258		4.48	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: **8998342** ACF A4709 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.24 g Total Volume: 10 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 11:09:27
Instrument : CP25--18274A
Result file : 25PCBS17116016.095.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 105% (61-152) Conc.: 30.01261 BUCS
%SSR(DCB) : 99% (48-164) Conc.: 28.37803

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**71.12**	
3.18	3.20	3.22	1079.324	0.452586			1
+ 3.40	3.40	3.44	551.2634	0.243545			2
3.40	3.42	3.44	924.3286	0.408363			2
3.51	3.53	3.55	674.3879	0.235183			3
3.73	3.75	3.77	3989.125	1.144979			4
3.79	3.80	3.83	5842.963	1.877546			5
3.98	4.00	4.02	2660.061	1.211219			6
Height Summation:			**15170.1895**				
Amount Avg CF:			**0.888313**	Linear:			
Aroclor-1221					**3**	**139.28**	
3.07	3.10	3.11	1082.83	0.932148			1
3.13	3.14	3.17	8869.507	8.317569			2
3.18	3.20	3.22	1079.324	0.33071			3
Height Summation:			**11031.661**				
Amount Avg CF:			**3.193476**	Linear:			
Aroclor-1232					**6**	**81.89**	
3.18	3.20	3.22	1079.324	0.370108			1
+ 3.40	3.40	3.44	551.2634	0.509678			2
3.40	3.42	3.44	924.3286	0.854601			2
3.52	3.53	3.56	674.3879	0.473914			3
3.74	3.75	3.78	3989.125	2.28587			4
3.79	3.80	3.83	5842.963	4.024172			5
3.99	4.00	4.03	2660.061	2.80221			6
Height Summation:			**15170.1895**				
Amount Avg CF:			**1.801812**	Linear:			
Aroclor-1242					**6**	**73.05**	
3.18	3.20	3.22	1079.324	0.533314			1
+ 3.40	3.40	3.44	551.2634	0.293636			2
3.40	3.42	3.44	924.3286	0.492353			2
3.51	3.53	3.55	674.3879	0.281679			3
3.73	3.75	3.77	3989.125	1.374857			4
3.79	3.80	3.83	5842.963	2.348507			5
3.98	4.00	4.02	2660.061	1.456071			6
Height Summation:			**15170.1895**				
Amount Avg CF:			**1.08113**	Linear:			
Aroclor-1248					**5**	**189.46**	
3.79	3.80	3.83	5842.963	3.274208			1
3.86	3.88	3.90	6601.14	2.355677			2
3.98	4.00	4.02	2660.061	0.82086			3
4.07	4.08	4.11	5573.024	1.998517			4
4.64	4.66	4.68	137154.8	60.501373			6
Height Summation:			**157831.988**				
Amount Avg CF:			**13.790127**	Linear:			
Aroclor-1254					**6**	**106.28**	
4.24	4.25	4.28	57725.66	19.341411			1
+ 4.58	4.60	4.62	16913.75	4.774523			2
4.58	4.61	4.62	23319.9	6.582892			2
4.64	4.66	4.68	137154.8	20.023437			3
4.77	4.78	4.81	249444	112.693776			4
4.86	4.87	4.89	92144.1	18.289558			5
5.05	5.07	5.09	164605.4	43.928363			6
Height Summation:			**724393.86**				
Amount Avg CF:			**36.809906**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 11:09:27
Instrument : CP25--18274B
Result file : 25PCBS17116016B.095.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 115% (61-152) Conc.: 32.78716
%SSR(DCB) : 108% (48-164) Conc.: 30.15713

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**171.44**	
2.89	2.92	2.93	62024.56	18.496433			1
3.22	3.26	3.26	2751.59	0.616223			2
+ 3.41	3.42	3.45	2448.834	0.485156			3
3.41	3.44	3.45	4894.302	0.969645			3
3.49	3.50	3.53	3411.74	0.649706			4
3.65	3.67	3.69	6331.401	1.487711			5
+ 3.65	3.69	3.69	4748.051	1.115666			5
3.74	3.74	3.78	9894.45	2.544546			6
+ 3.74	3.76	3.78	5638.906	1.450152			6
Height Summation:			**89308.043**				
Amount Avg CF:			**4.127377**	Linear:			
Aroclor-1221					**3**	**81.73**	
2.77	2.79	2.81	1591.994	0.914962			1
2.84	2.86	2.88	9834.826	9.153155			2
2.89	2.92	2.93	62024.56	13.670341			3
Height Summation:			**73451.38**				
Amount Avg CF:			**7.912819**	Linear:			
Aroclor-1232					**6**	**117.62**	
2.89	2.92	2.93	62024.56	14.790248			1
3.22	3.26	3.26	2751.59	1.305865			2
+ 3.41	3.42	3.45	2448.834	1.08118			3
3.41	3.44	3.45	4894.302	2.160874			3
3.49	3.50	3.53	3411.74	1.458573			4
3.65	3.67	3.69	6331.401	3.514736			5
+ 3.65	3.69	3.69	4748.051	2.635774			5
3.75	3.76	3.79	5638.906	3.13616			6
Height Summation:			**85052.499**				
Amount Avg CF:			**4.394409**	Linear:			
Aroclor-1242					**6**	**170.32**	
2.89	2.92	2.93	62024.56	22.085049			1
3.22	3.26	3.26	2751.59	0.77164			2
+ 3.41	3.42	3.45	2448.834	0.604052			3
3.41	3.44	3.45	4894.302	1.207273			3
3.49	3.50	3.53	3411.74	0.824839			4
3.65	3.67	3.69	6331.401	1.83083			5
3.74	3.74	3.78	9894.45	2.992078			6
+ 3.74	3.76	3.78	5638.906	1.705203			6
Height Summation:			**89308.043**				
Amount Avg CF:			**4.951952**	Linear:			
Aroclor-1248					**6**	**145.17**	
+ 3.41	3.42	3.45	2448.834	1.213049			1
3.41	3.44	3.45	4894.302	2.424431			1
3.52	3.54	3.56	12450.07	2.414066			2
3.65	3.67	3.69	6331.401	1.026489			3
+ 3.65	3.69	3.69	4748.051	0.769785			3
3.74	3.76	3.78	5638.906	1.197003			4
3.88	3.89	3.92	128694.3	13.584739			5
4.24	4.25	4.28	156761.4	34.933706			6
+ 4.24	4.27	4.28	100743.8	22.450388			6
Height Summation:			**314770.379**				
Amount Avg CF:			**9.263406**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998342** ACF A4709 Sample ID: AB **Batchnumber: 171390030A**
Sample Amount: 10.24 g Total Volume: 10 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 11:09:27
Instrument : CP25--18274A
Result file : 25PCBS17116016.095.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	7.26	
4.76	4.78	4.80	249444	50.360919			1
5.05	5.07	5.09	164605.4	57.357047			2
5.23	5.25	5.27	162097.3	48.116422			3
5.40	5.41	5.44	175642.7	47.846171			4
5.63	5.65	5.67	529476.2	53.197225			5
5.83	5.85	5.87	330912.7	54.434651			6
Height Summation:			**1612178.3**				
Amount Avg CF:			**51.885406**	Linear:			
Aroclor-1262					6	31.16	
5.23	5.25	5.27	162097.3	26.962649			1
5.40	5.41	5.44	175642.7	33.930091			2
5.63	5.65	5.67	529476.2	39.674544			3
5.83	5.85	5.87	330912.7	40.420559			4
5.89	5.90	5.93	56709.6	15.111783			5
6.26	6.28	6.30	132427.4	27.335968			6
Height Summation:			**1387265.9**				
Amount Avg CF:			**30.572599**	Linear:			
Aroclor-1268					6	85.70	
5.83	5.85	5.87	330912.7	22.891211			1
5.89	5.90	5.93	56709.6	4.311256			2
6.03	6.04	6.07	43339.83	3.547661			3
6.09	6.12	6.13	79485.31	25.011658			4
6.26	6.28	6.30	132427.4	25.574727			5
6.47	6.48	6.51	57163.93	1.344408			6
Height Summation:			**700038.77**				
Amount Avg CF:			**13.780153**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 11:09:27
Instrument : CP25--18274B
Result file : 25PCBS17116016B.095.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	115.49	
4.18	4.19	4.22	72124.92	9.170797			1
4.24	4.25	4.28	156761.4	10.856848			2
+ 4.24	4.27	4.28	100743.8	6.977229			2
4.33	4.35	4.37	558213.3	84.203673			3
4.40	4.42	4.44	141742.6	14.68173			4
+ 4.40	4.44	4.44	134264	13.907095			4
4.47	4.48	4.51	765075.9	142.918829			5
4.62	4.64	4.66	157970.7	22.431149			6
Height Summation:			**1851888.82**				
Amount Avg CF:			**47.377171**	Linear:			
Aroclor-1260					6	13.06	
4.33	4.35	4.37	558213.3	51.912458			1
4.47	4.48	4.51	765075.9	62.113519			2
4.57	4.59	4.61	494890.7	46.804186			3
4.92	4.93	4.96	400782.9	47.307594			4
5.11	5.13	5.15	1133018	54.231504			5
5.37	5.39	5.41	791948.1	63.196068			6
Height Summation:			**4143928.9**				
Amount Avg CF:			**54.260888**	Linear:			
Aroclor-1262					6	34.71	
4.73	4.75	4.77	288744.4	21.324287			1
4.92	4.93	4.96	400782.9	29.928526			2
5.11	5.13	5.15	1133018	40.431652			3
5.33	5.34	5.36	176814.5	16.780539			4
5.37	5.39	5.41	791948.1	43.296866			5
5.75	5.77	5.79	292916	27.883577			6
Height Summation:			**3084223.9**				
Amount Avg CF:			**29.940908**	Linear:			
Aroclor-1268					6	85.59	
5.33	5.34	5.37	176814.5	5.311723			1
5.37	5.39	5.41	791948.1	24.463174			2
5.53	5.54	5.57	98505.34	3.497449			3
5.59	5.61	5.63	105307.9	15.184138			4
5.75	5.77	5.79	292916	24.969213			5
5.95	5.97	5.99	118885.2	1.188668			6
Height Summation:			**1584377.04**				
Amount Avg CF:			**12.435727**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.8047	9.668		** 129.16	4	40	
Aroclor-1221			49.8047	14.9414		** 84.99	3	5	
Aroclor-1232			49.8047	12.0117		** 83.68	4	10	
Aroclor-1242			49.8047	12.0117		** 128.32	4	30	
Aroclor-1248			49.8047	9.668		39.27	4	40	
Aroclor-1254			49.8047	12.8906		25.10	4	40	
Aroclor-1260			49.8047	11.4258		4.48	4	40	
Aroclor-1262			49.8047	9.668		2.09	4	40	
Aroclor-1268			49.8047	9.668		10.26	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998342ACF ABA4709 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 11:09:27 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: 25pcbs17116016.095.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.02		4906	5311
2.047		7221	9991
2.097		12417	16786
2.119		2611	1642
2.145		54344	35530
2.164		2638	1029
2.197		817	402
2.209		1996	1015
2.239		17692	18151
2.3		2009	1236
2.34		17088	16316
2.377		2843	2601
2.404		51155	33604
2.439		578	190
2.455		1548	1010
2.471		1412	737
2.502		10715	9612
2.549		521	345
2.578		1683	1612
2.601		2069	1788
2.65		671	401
2.663		2596	1454
2.696		1949	1636
2.717		1138	475
2.751		4965	5696
2.791		815	412
2.808		751	409
2.831		878	656
2.886		2378	2063
2.914		1916	1512
2.944	TCX	4295662	2915656
3.06		1238	1552
3.099		1083	1065
3.142		8870	7092
3.199		1079	717
3.222		634	483
3.249		3190	1626
3.267		36813	26367
3.337		521	596
3.385		560	507
3.401		551	307
3.421		924	919
3.464		833	565
3.49		1254	1622
3.53		674	463
3.558		950	857
3.609		2226	1674
3.628		1938	1421
3.677		1255	714
3.694		1119	806
3.749		3989	4454
3.799		5843	5966
3.835		820	912
3.875		6601	4996

RT A	Compound A	Height A	Area A
3.912		7635	11493
3.961		1136	1108
4.001		2660	2108
4.057		2823	2074
4.083		5573	6606
4.135		2147	2266
4.193		11381	8493
4.213		1423	767
4.251		57726	57625
4.294		18248	18021
4.363		18004	16164
4.406		91695	93858
4.44		31155	27101
4.48		3635	2444
4.502		2999	2086
4.543		31360	30161
4.595		16914	11605
4.611		23320	24606
4.656		137155	122427
4.705		91510	101583
4.742		23932	16291
4.782		249444	242323
4.827		10357	9359
4.867		92144	90083
4.903		10157	7311
4.928		52145	47856
4.98		353232	464085
5.031		48181	43097
5.069		164605	187983
5.112		7063	4280
5.148		46205	54924
5.184		458240	492518
5.224		4632	2337
5.251		162097	153694
5.293		126449	123993
5.364		886	618
5.387		66352	52819
5.412		175643	155528
5.47		163436	177949
5.506		63438	56447
5.548		22848	22159
5.588		65064	73679
5.646		529476	599027
5.751		711	1100
5.8		524	698
5.849		330913	322499
5.88		24307	18676
5.905		56710	64617
5.954		723	835
6.018		904	1533
6.042		43340	42640
6.119		79485	133734
6.155		755	489
6.185		652	253
6.276		132427	137063
6.323		7413	6888
6.37		950	1100
6.423		638	1437
6.481		57164	58284
6.566		1336	1655
6.631	DCB	2896710	3121645
6.687		1536	1207
6.771		2631	4627
6.832		2071	3723
6.872		591	343
6.913		4537	10473

LANCASTER LABORATORIES

Sample Number: 8998342ACF ABA4709 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 11:09:27 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.095.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.003		2021	1212
2.036		2058	1062
2.057		9992	7369
2.101		6927	3295
2.117		59746	34445
2.145		2188	1230
2.161		2958	1731
2.19		1579	1266
2.238		4185	3327
2.275		1431	1066
2.32		2972	2519
2.368		2841	4312
2.4		2352	1762
2.438		4636	2692
2.483		3744	11287
2.559		1912	3619
2.596		2284	1452
2.62	TCX	6393430	3852150
2.714		1944	5898
2.791		1592	990
2.856		9835	14166
2.918		62025	43883
2.956		8145	6537
3.042		2261	1964
3.116		3980	3266
3.155		2817	3207
3.203		2237	4067
3.255		2752	1194
3.275		4210	4049
3.334		5036	5031
3.368		2587	1972
3.39		4007	3097
3.416		2449	1344
3.44		4894	6355
3.505		3412	1951
3.54		12450	7614
3.565		17438	9602
3.582		8652	3909
3.604		8879	8440
3.67		6331	4028
3.69		4748	3849
3.716		5580	3946
3.742		9894	5370
3.758		5639	3572
3.797		5399	4338
3.842		8079	8633
3.872		4744	3055
3.892		128694	88996
3.917		17853	9858
3.938		17536	10069
3.958		60567	41249
3.992		186174	131934
4.024		67372	44695
4.041		13056	6381

RT B	Compound B	Height B	Area B
4.062		5715	3545
4.103		8298	10436
4.137		46636	44593
4.194		72125	50882
4.236		56913	49278
4.255		156761	85823
4.268		100744	47874
4.293		91615	94275
4.346		558213	451200
4.384		23882	22127
4.416		141743	102029
4.44		134264	99161
4.483		765076	599372
4.586		494891	512848
4.637		157971	138691
4.677		165428	152994
4.714		925083	763484
4.747		288744	203680
4.785		260215	213182
4.861		213673	184133
4.884		36189	19443
4.902		21947	11819
4.935		400783	315900
4.958		119763	82859
5.009		247541	220560
5.045		147699	119642
5.075		103673	90737
5.107		30201	17867
5.129		1133018	952920
5.17		25652	17714
5.201		103872	91136
5.319		8864	5082
5.342		176815	146111
5.386		791948	861830
5.542		98505	88454
5.588		22454	14915
5.611		105308	82849
5.659		145597	128196
5.766		292916	247228
5.798		17581	12396
5.894		1627	1870
5.966		118885	104139
5.996		2714	1872
6.021		1885	1284
6.062		2204	2350
6.126	DCB	7279578	6550897
6.301		3375	8651
6.453		2854	2959
6.612		2341	2607
6.658		1448	1524
6.825		1321	2147
6.861		1003	629
6.907		4089	6821

8998342ACF ABA4709 T 171390030A 10225 SW-846 8082

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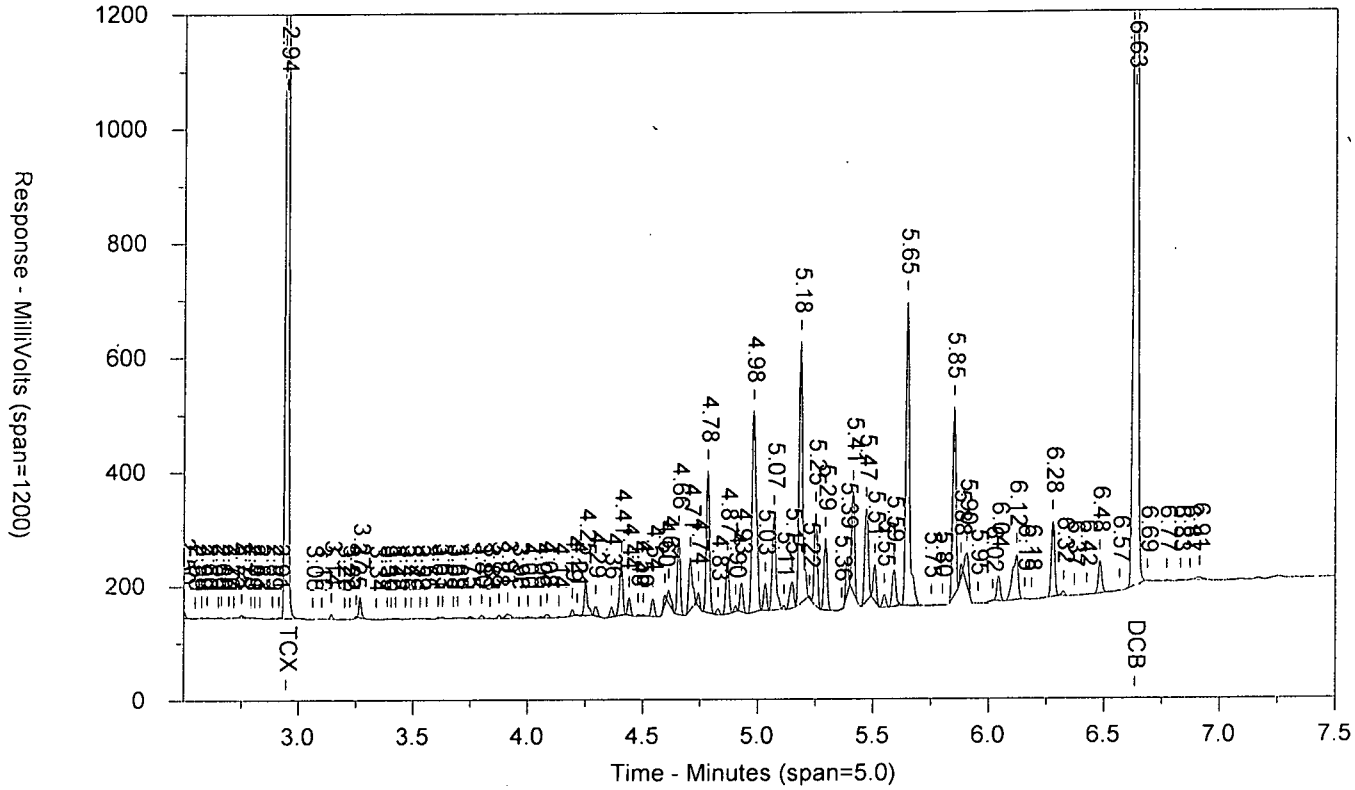

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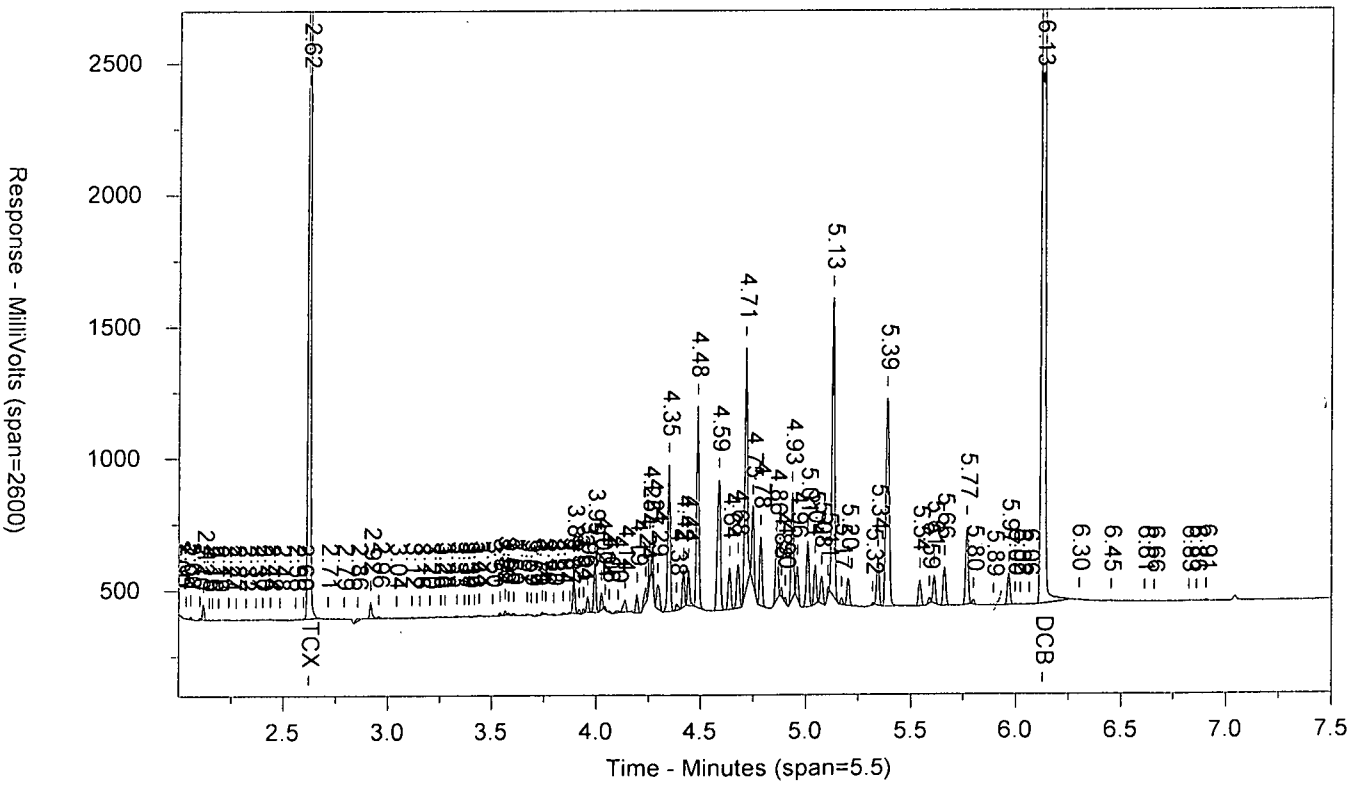

LANCASTER LABORATORIES

Sample Number: 8998342ACF ABA4709 T 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 11:09:27 AM Sample Weight: 10.24
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	4295662	30.013	TCX	2.62	6393430	32.787	TCX
6.631	2896710	28.378	DCB	6.126	7279578	30.157	DCB

Files:
Area File: 25pcbs17116016.095.RAW
Area File: 25pcbs17116016B.095.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 11:17:58 AM
File Reported On: 5/22/2017 at 11:18:13 AM

8998342ACF ABA4709 T 171390030A 10225 SW-846 8082

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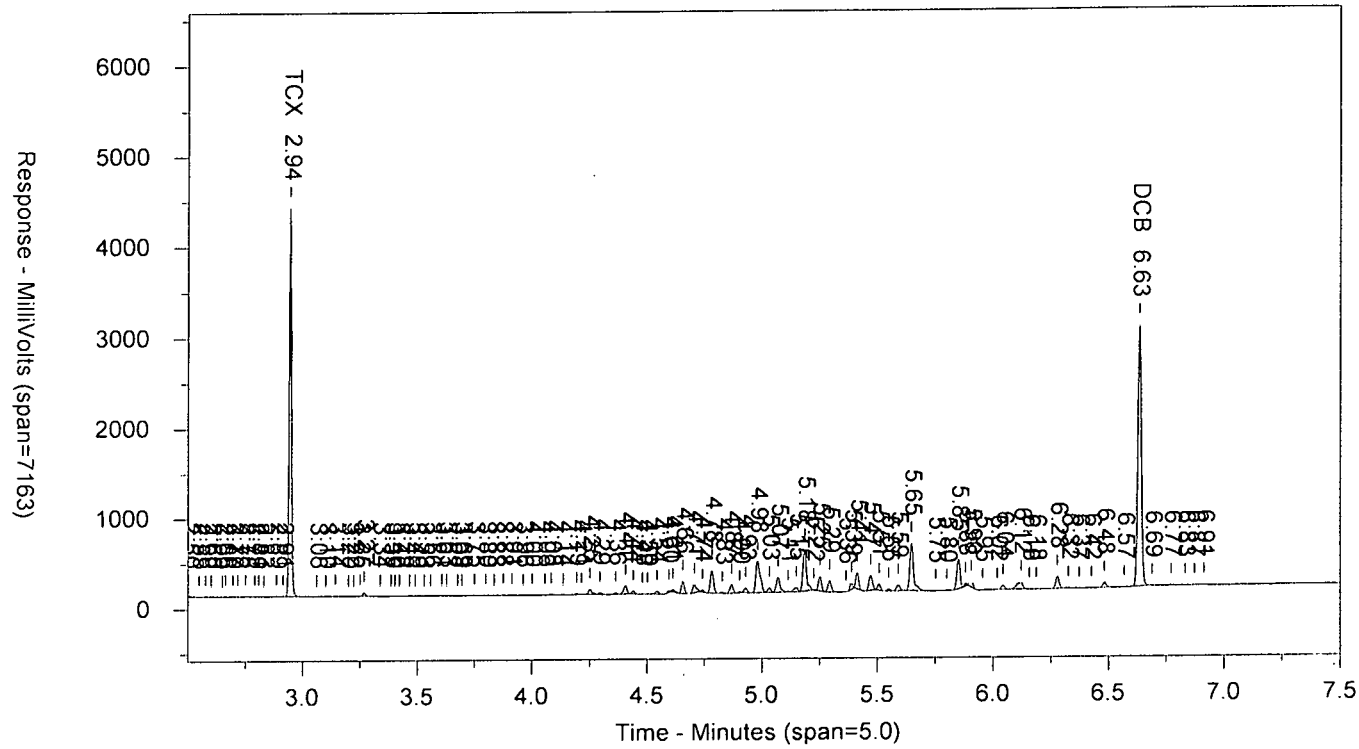

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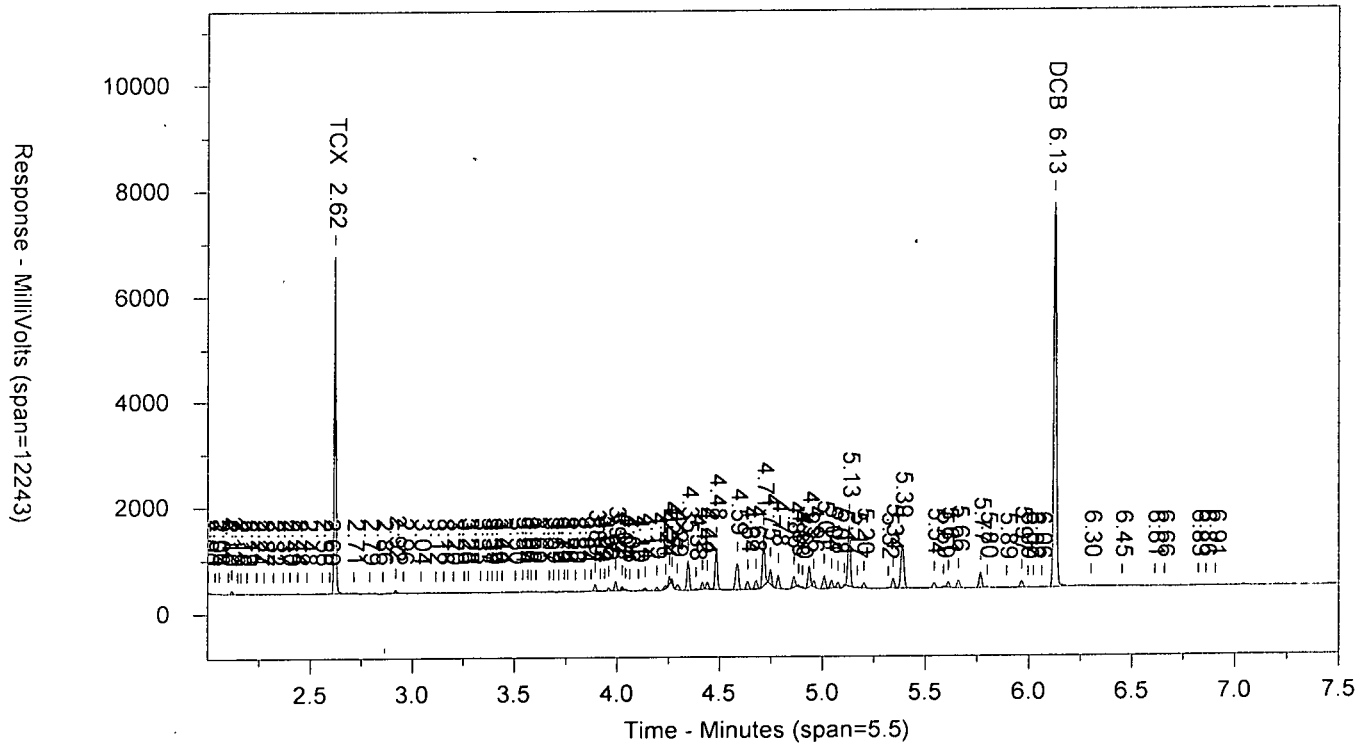

Standards Data

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

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 61

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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\CP20\20pcbs17137001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 35

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	
5	IBLKX1724A	5	PIBLK	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736
6	EVALX1624B	6	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
7	AR1611724A	7	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	1	1713699999	10736
8	AR1621724A	8	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	2	1713699999	10736
9	AR1631724A	9	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	3	1713699999	10736
10	AR1641724A	10	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	4	1713699999	10736
11	AR1651724A	11	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	5	1713699999	10736
12	AR4811724A	12	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
13	AR4821724A	13	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
14	AR4831724A	14	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
15	AR4841724A	15	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
16	AR4851724A	16	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
17	AR5411724A	17	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
18	AR5421724A	18	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
19	AR5431724A	19	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
20	AR5441724A	20	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
21	AR5451724A	21	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
22	AR6231724A	22	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
23	AR6831724A	23	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
24	AR2131724A	24	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
25	AR3231724A	25	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
26	AR4231724A	26	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
27	AR16XX1724A	27	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
28	MD16X1724A	28	ICAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
29	IC16X1724A	29	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
30	IC48X1724A	30	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
31	IC54X1724A	31	CCAL	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
32	BLANKA 5/16/17 RI A	32	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
33	LOD 5/16/17 RI A	33	CRDL	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171350035A	
34	AR1631724A	34	CCAL	BR	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713699999	10736
35	IBLKX1724A	35	PIBLK	UF	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713699999	10736

2324 5/17/17

Set-up by: 2855 Date: 17May17

5/17/2017

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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

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 97

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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

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

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

2384 5/22/17

Set-up by: 2855 Date: 22may17

5/22/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137003.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 63

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	
5	AR1631724A	5	CCAL	CJ	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
6	IBLKX1724A	6	PIBLK	VD	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
7	BLANKA 5/19/17 AF	7	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	50	1	0	171370042A	00174
8	LCSA 5/19/17 AF	8	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	50	1	0	171370042A	00174
9	LCSDA 5/19/17 AF	9	LCSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	50	1	0	171370042A	00174
10	8994410 RI AF	10	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	1	50	1	0	171370042A	00174
11	AR1631724A	11	CCAL	CK	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
12	IBLKX1724A	12	PIBLK	VE	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
13	BLANKA 5/18/17 AF	13	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380019A	10227
14	LCSA 5/18/17 AF	14	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380019A	10227
15	LCSDA 5/18/17 AF	15	LCSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380019A	10227
16	8991102RAF	16	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171380019A	10227
17	8997965 RI AF	17	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	225	2	1	0	171380019A	10227
18	8997966 RI AF	18	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171380019A	10227
19	8997967 RI AF	19	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171380019A	10227
20	8997968 RI AF	20	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	246	2	1	0	171380019A	10227
21	8998341 RI AF	21	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	247	2	1	0	171380019A	10227
22	AR1631724A	22	CCAL	CL	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
23	IBLKX1724A	23	PIBLK	VF	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
24	BLANKA 5/18/17 AF	24	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380017A	06030
25	LCSA 5/18/17 AF	25	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380017A	06030
26	LCSDA 5/18/17 AF	26	LCSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380017A	06030
27	8996937 RI AF	27	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	249	2	1	0	171380017A	06030
28	8997526 RI AF	28	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	254	2	1	0	171380017A	06030
29	AR1631724A	29	CCAL	CM	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
30	IBLKX1724A	30	PIBLK	VG	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
31	BLANKA 5/18/17 CAF	31	BLK	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380018A	10591
32	LCSA 5/18/17 CAF	32	LCS	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380018A	10591
33	LCSDA 5/18/17 CAF	33	LCSD	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	250	2	1	0	171380018A	10591
34	8996725CAF	34	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171380018A	10591
35	8997671CAF	35	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171380018A	10591
36	8998126CAF	36	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	244	2	1	0	171380018A	10591
37	8998127CAF	37	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	241	2	1	0	171380018A	10591
38	8998128CAF	38	T	AC	EPT-24\ACTIVE\CP20\20PCBS.MET	248	2	1	0	171380018A	10591
39	AR1631724A	39	CCAL	CN	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
40	IBLKX1724A	40	PIBLK	VH	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
41	BLANKA 5/18/17 ACF	41	BLK	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171380003A	10736
42	LCSA 5/18/17 ACF	42	LCS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30	10	1	0	171380003A	10736
43	8995606 RI ACF	43	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.23	10	1	0	171380003A	10736
44	8995606MSACF	44	MS	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.5	10	1	0	171380003A	10736
45	8995606MSDACF	45	MSD	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.2	10	1	0	171380003A	10736
46	8995607 RI ACF	46	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.4	10	1	0	171380003A	10736
47	8995608 RI ACF	47	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.27	10	1	0	171380003A	10736
48	8995609 RI ACF	48	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.13	10	1	0	171380003A	10736
49	8995610 RI ACF	49	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.18	10	1	0	171380003A	10736
50	8995611 RI ACF	50	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.02	10	1	0	171380003A	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP20\20pcbs17137003.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20

Number of Entries: 63

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 AR1631724A	51	CCAL	CO	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
52 IBLKX1724A	52	PIBLK	VI	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736
53 8995612 RI ACF	53	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.15	10	1	0	171380003A	10736
54 8995613 RI ACF	54	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.13	10	1	0	171380003A	10736
55 8995614 RI ACF	55	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.09	10	1	0	171380003A	10736
56 8995615 RI ACF	56	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.08	10	1	0	171380003A	10736
57 8998472 RI ACF	57	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.42	10	1	0	171380003A	10736
58 8998473 RI ACF	58	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.39	10	1	0	171380003A	10736
59 8998474 RI ACF	59	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.42	10	1	0	171380003A	10736
60 8998475 RI ACF	60	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.39	10	1	0	171380003A	10736
61 8998476 RI ACF	61	T	AB	EPT-24\ACTIVE\CP20\20PCBS.MET	30.29	10	1	0	171380003A	10736
62 AR1631724A	62	CCAL	CP	EPT-24\ACTIVE\CP20\20PCBS.MET	1	1	1	0	1713999999	10736
63 IBLKX1724A	63	PIBLK	VJ	EPT-24\ACTIVE\CP20\20PCBS.MET	1000	10	1	0	1713999999	10736

285521 May 17

Set-up by: 9065 Date: 5/20/17

5/20/2017

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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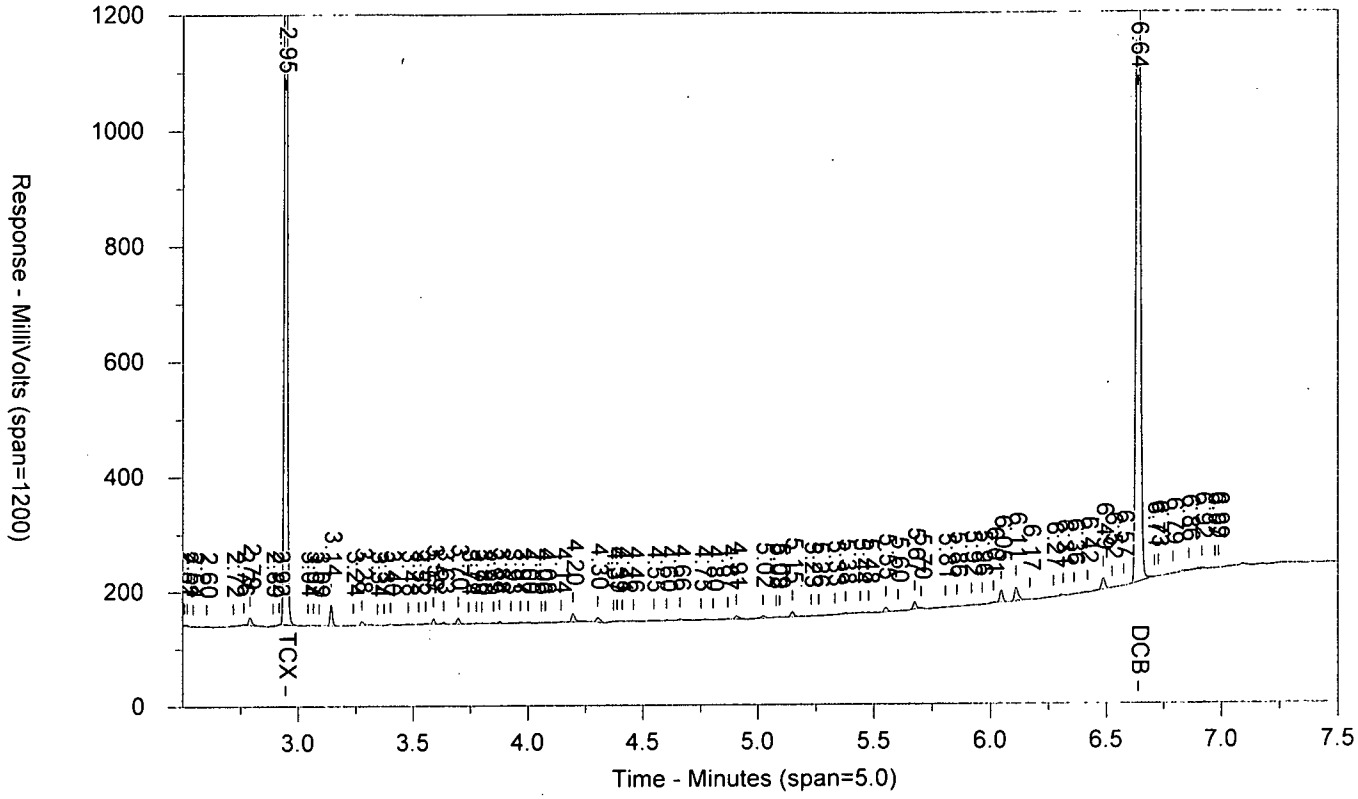

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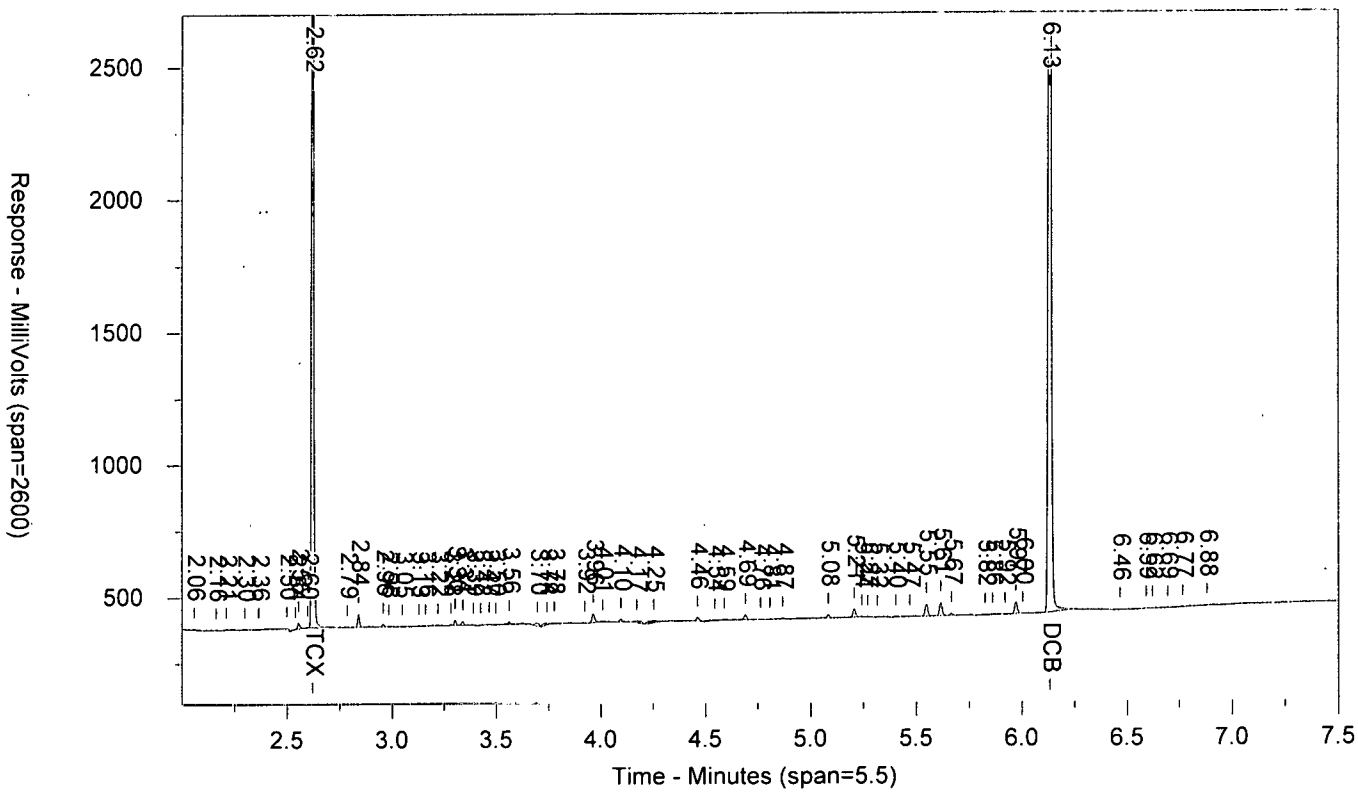

LANCASTER LABORATORIES

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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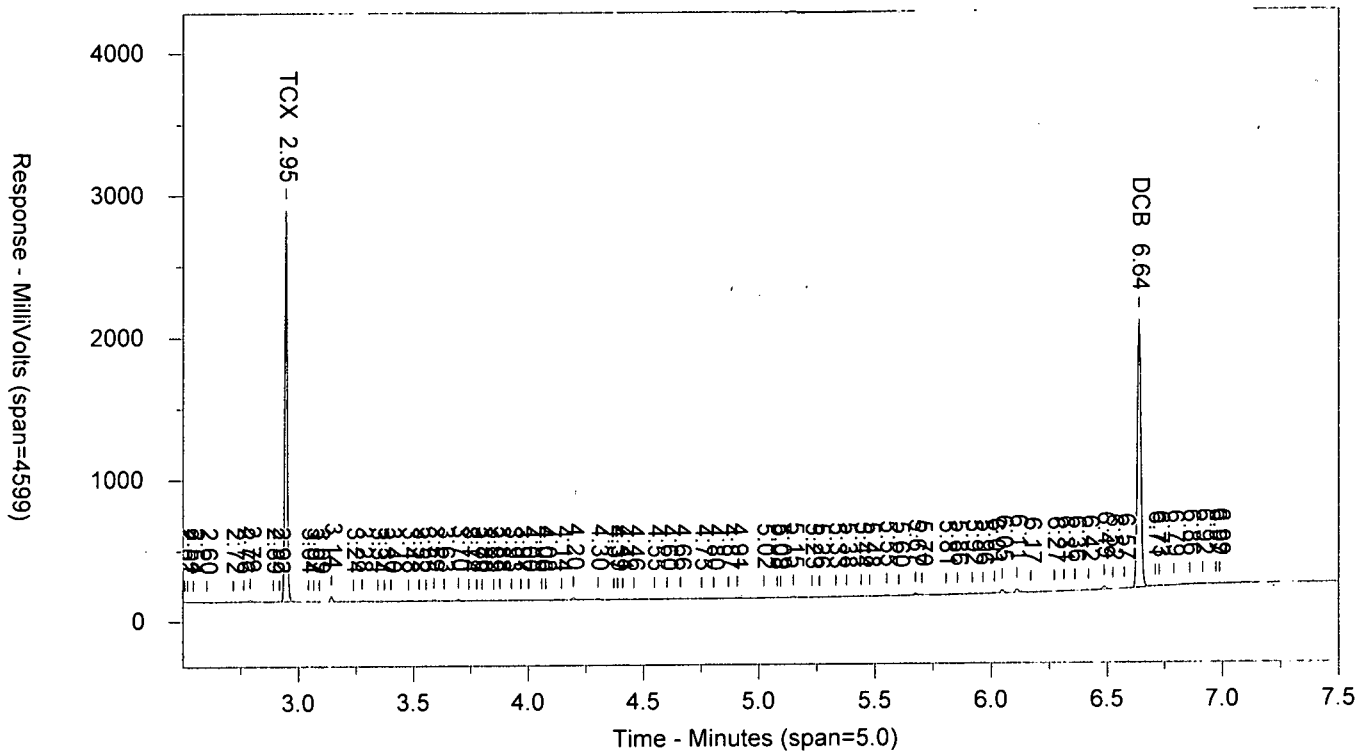

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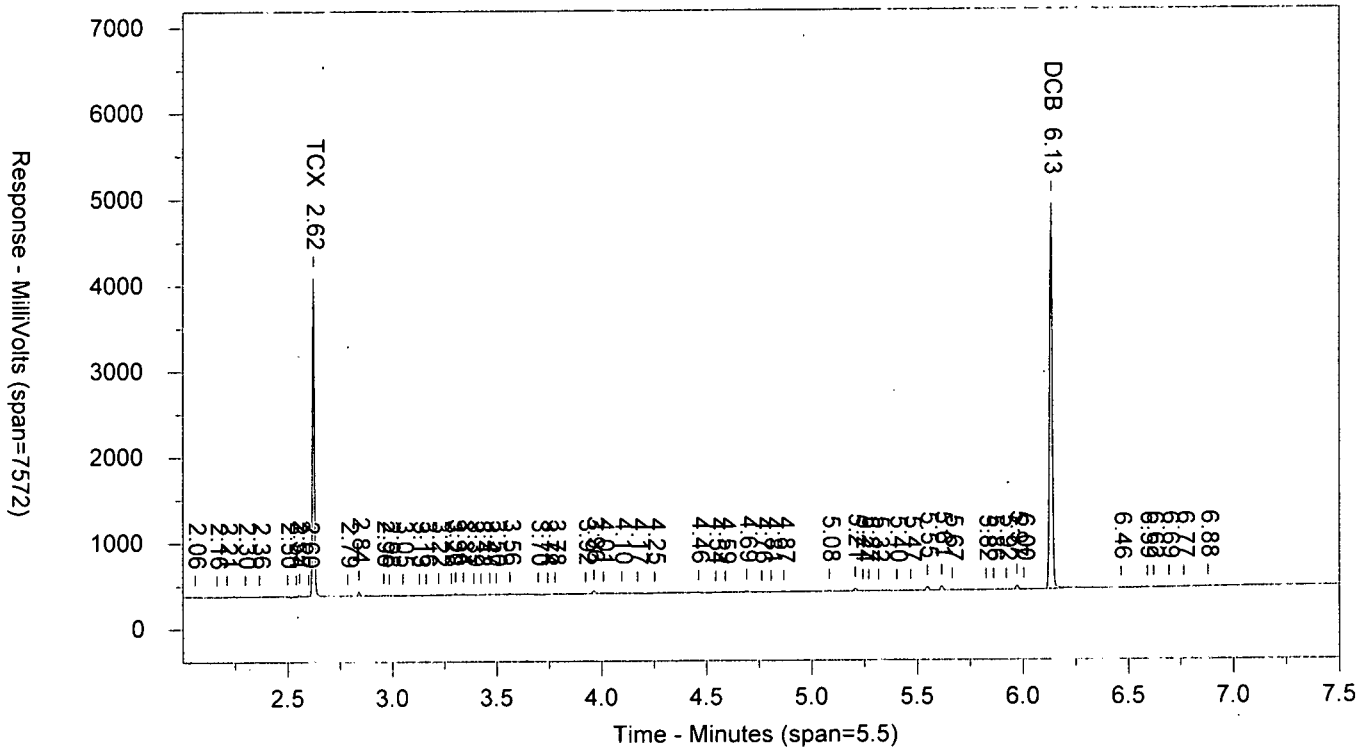

LANCASTER LABORATORIES

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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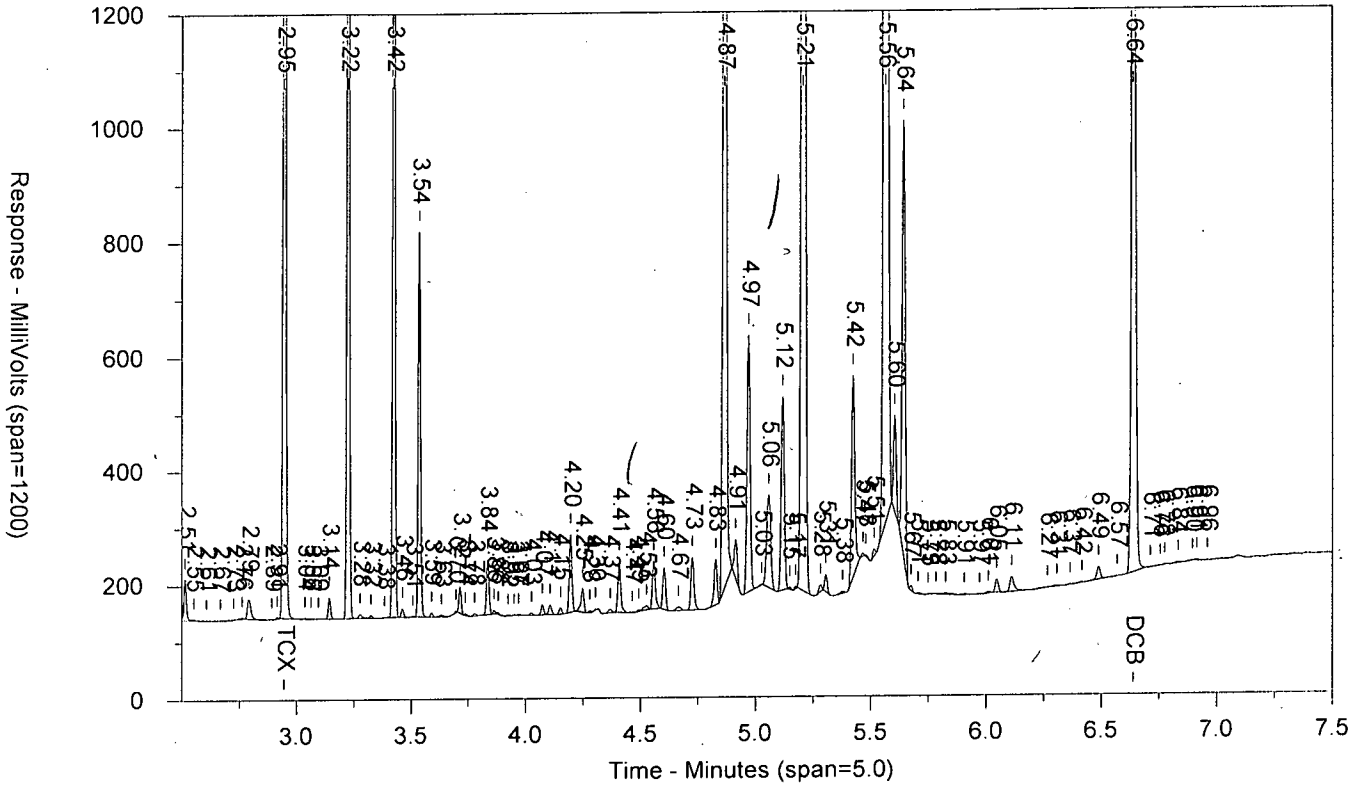

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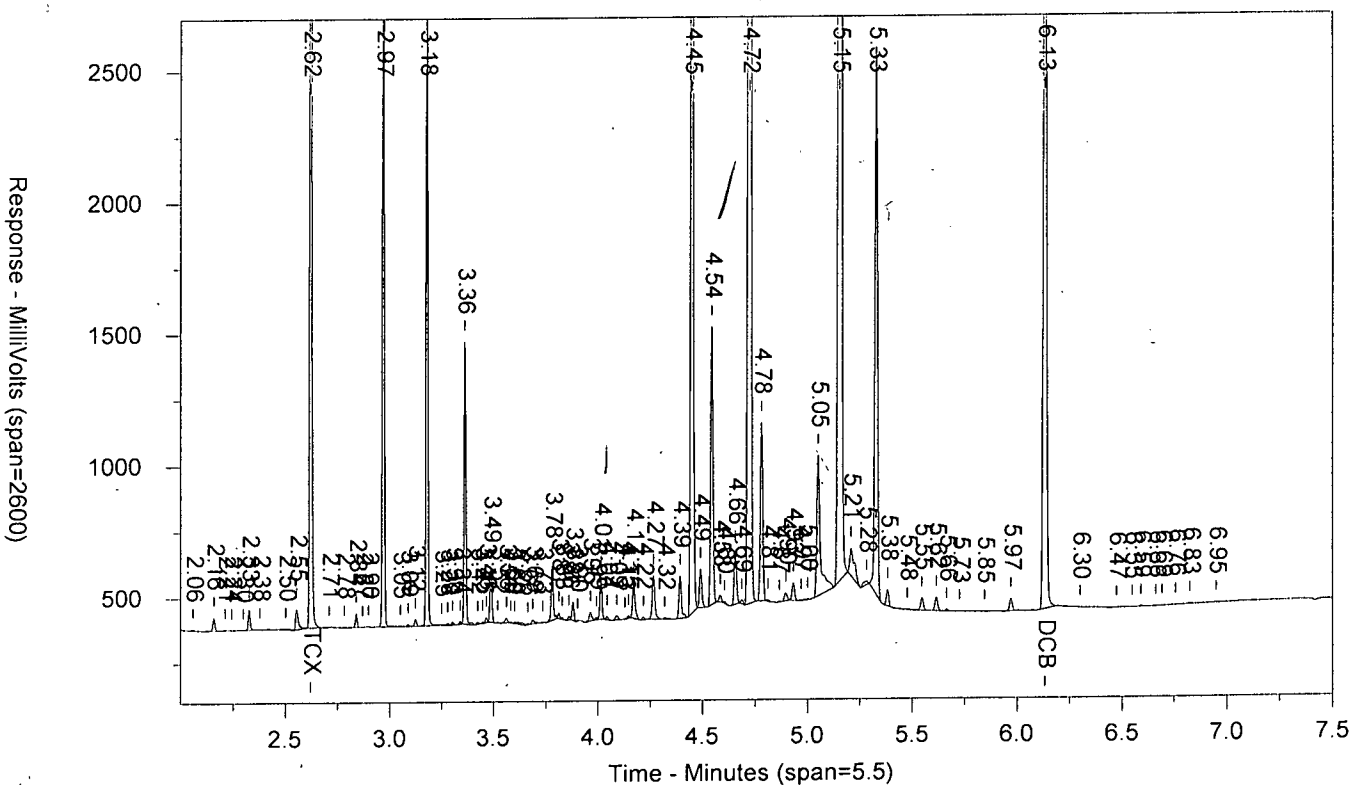

LANCASTER LABORATORIES

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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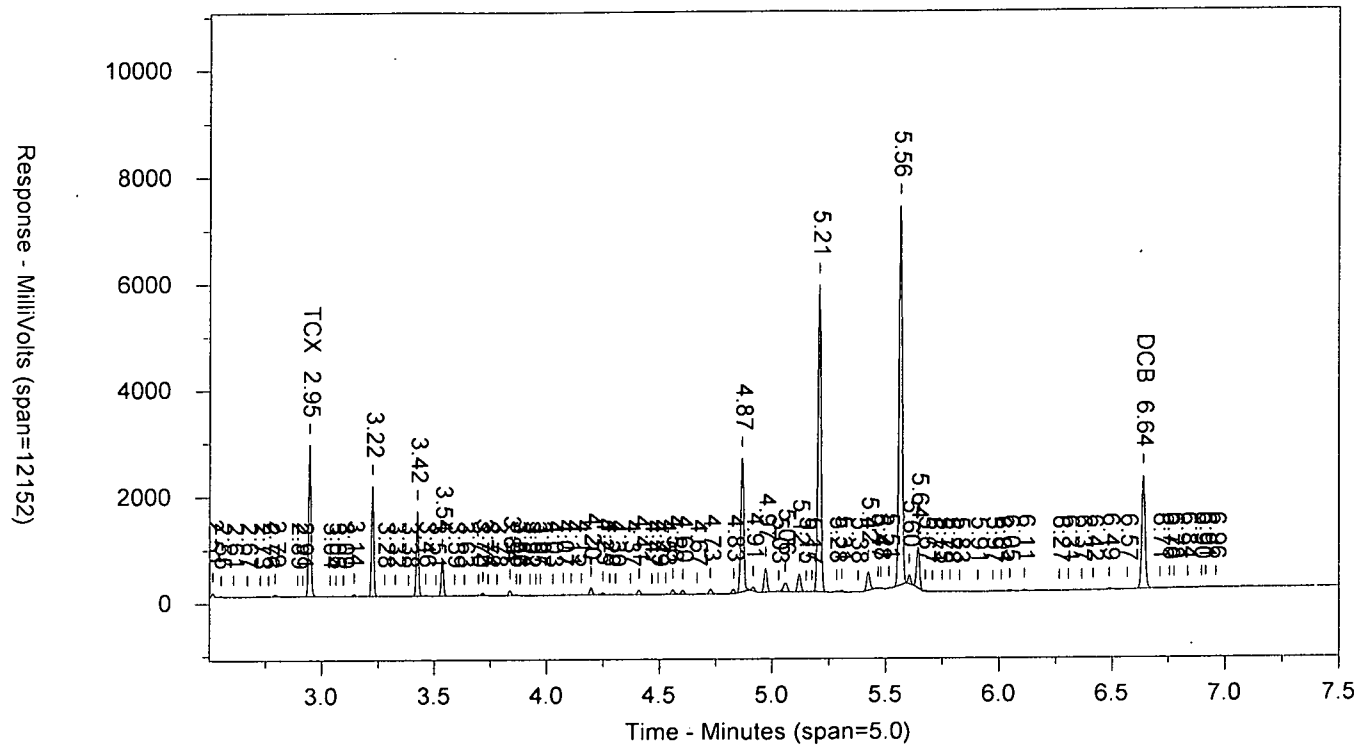

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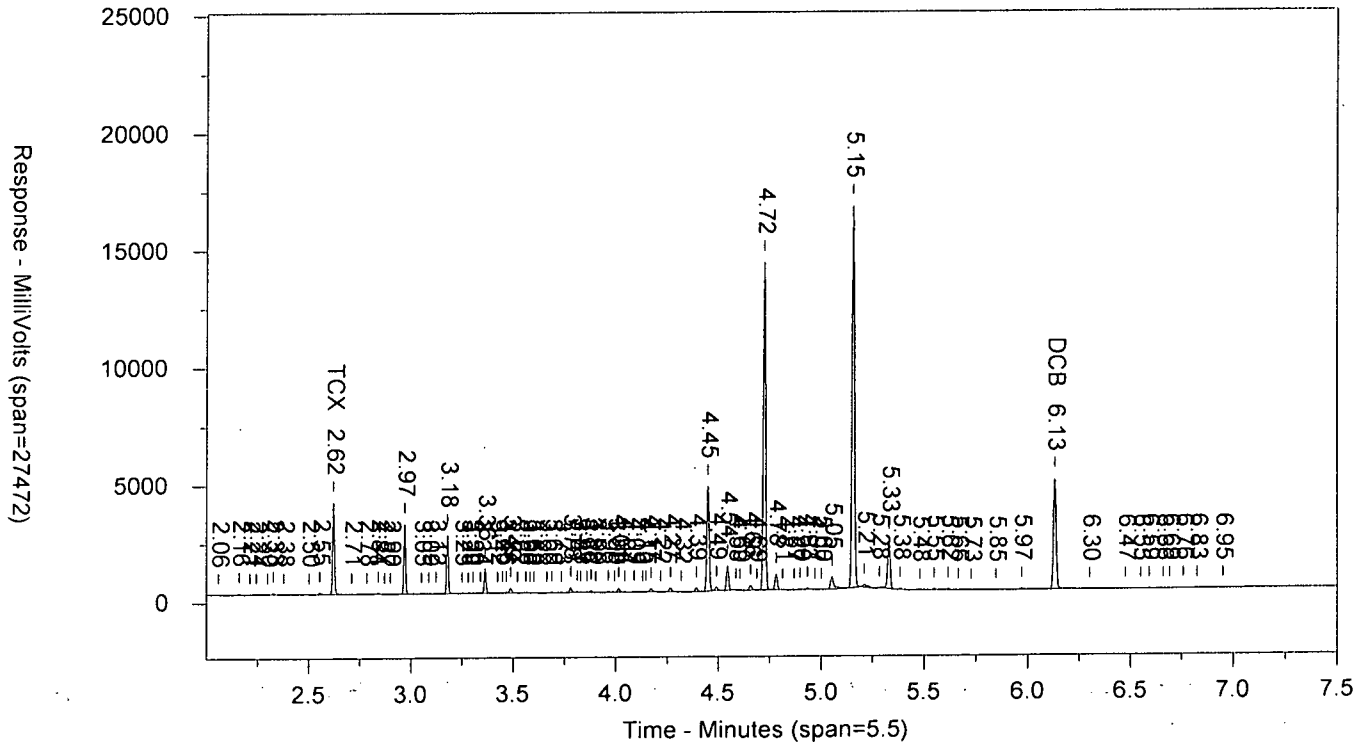


LANCASTER LABORATORIES

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

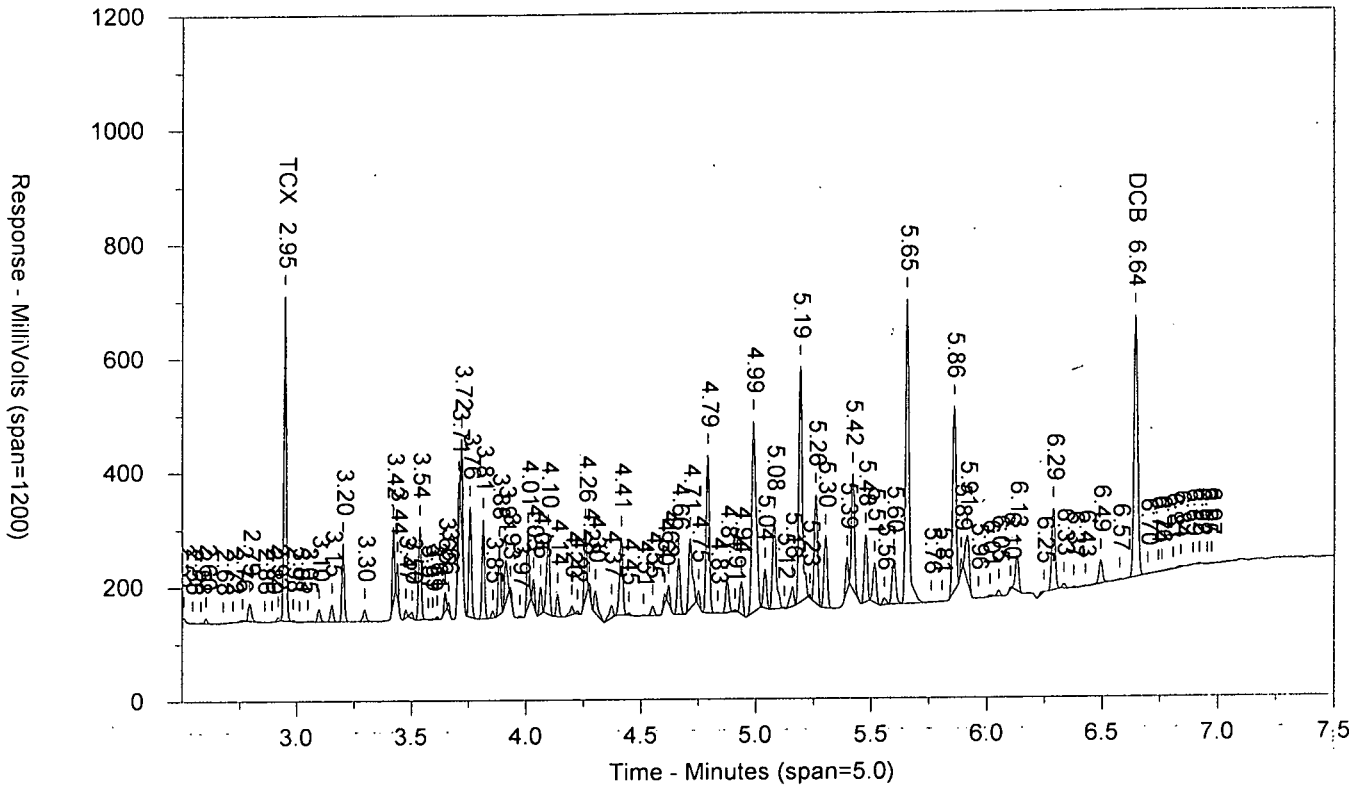
Sample Number: AR1611724A AAAR161AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 2:49:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
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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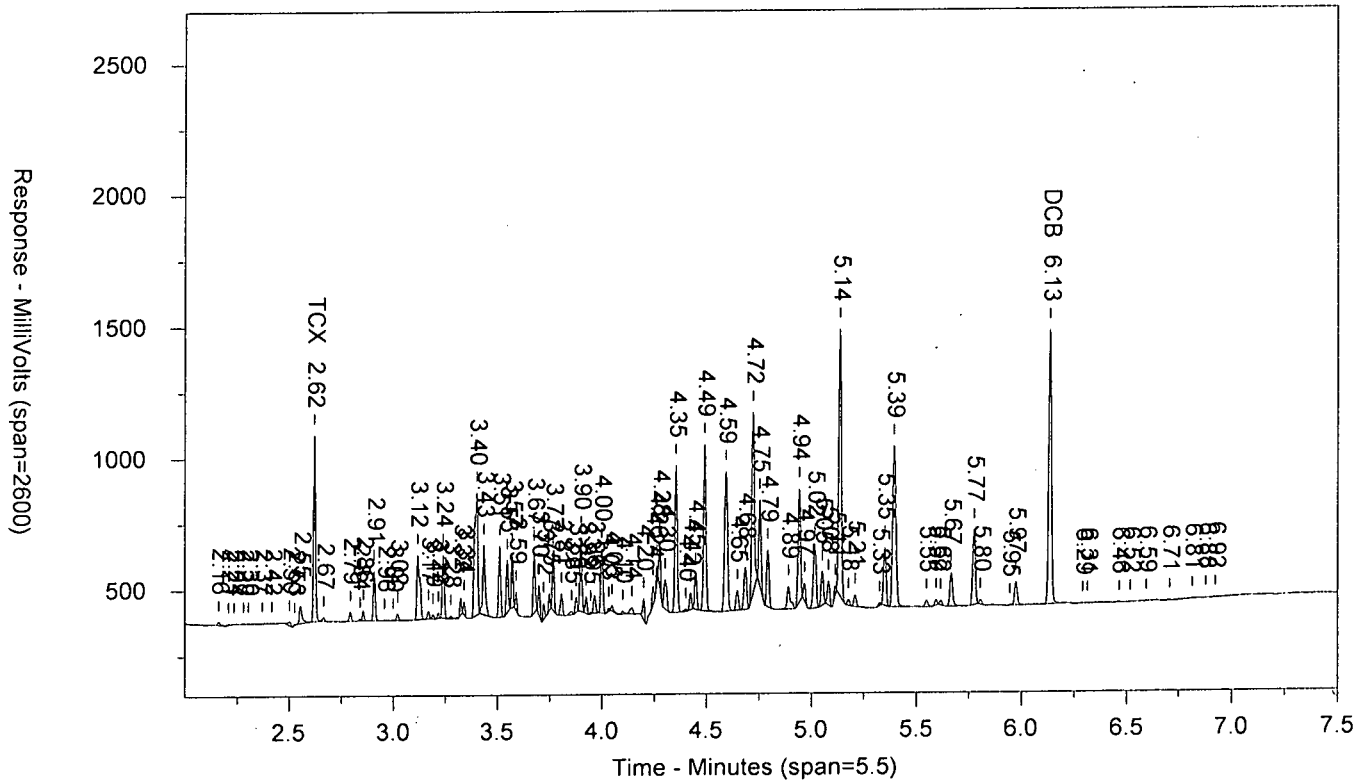

LANCASTER LABORATORIES

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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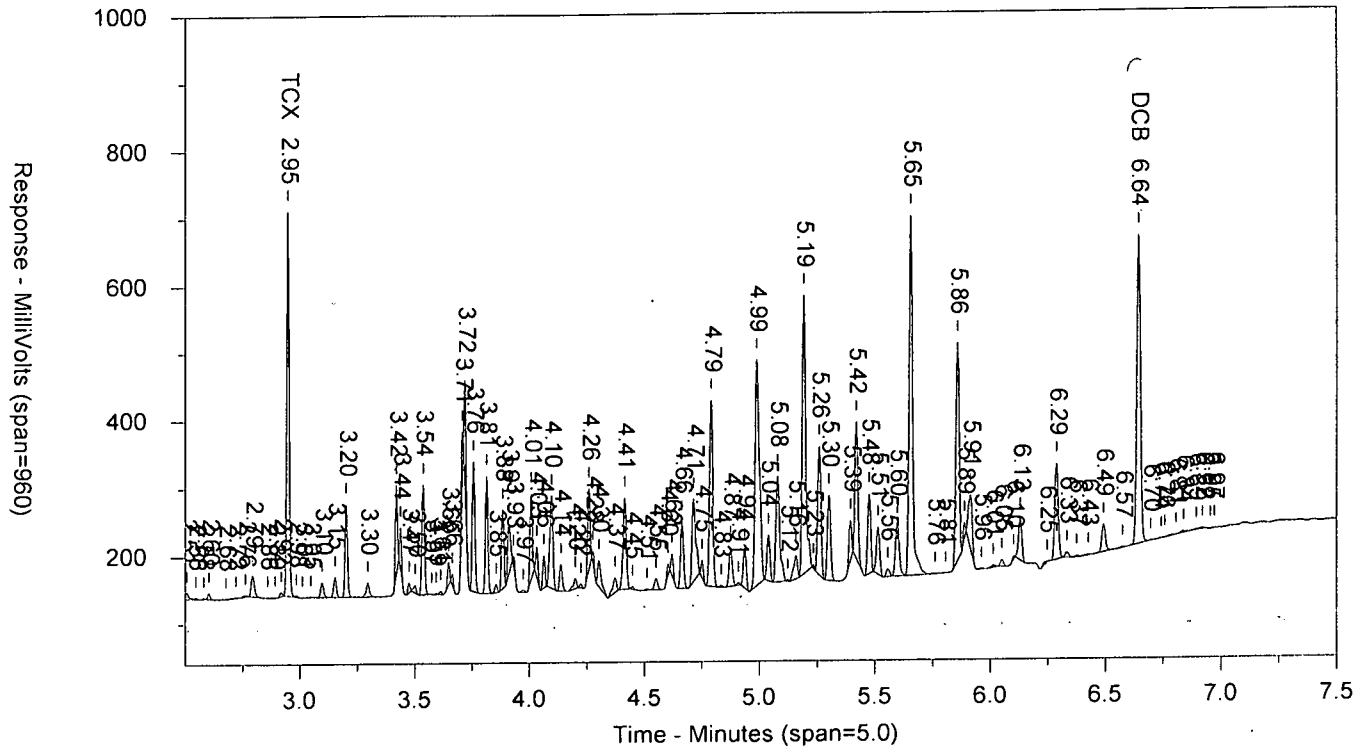

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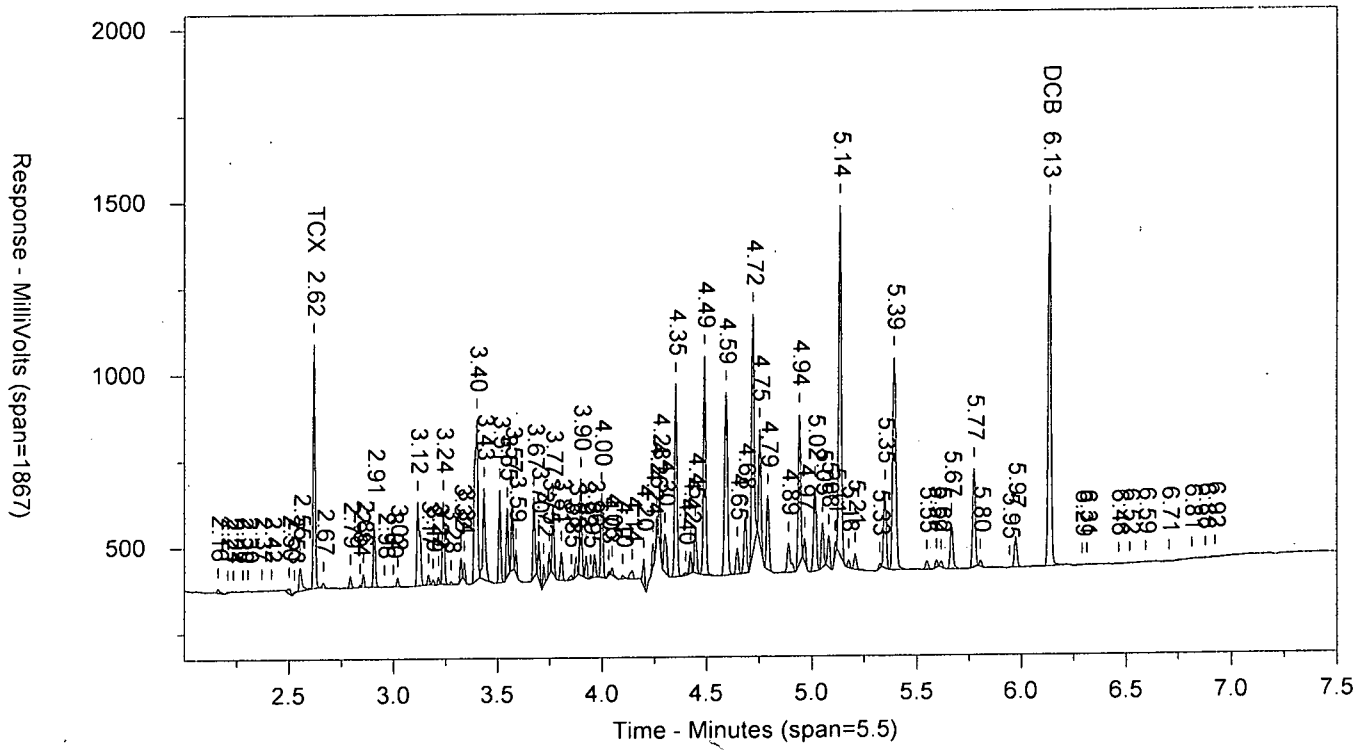

LANCASTER LABORATORIES

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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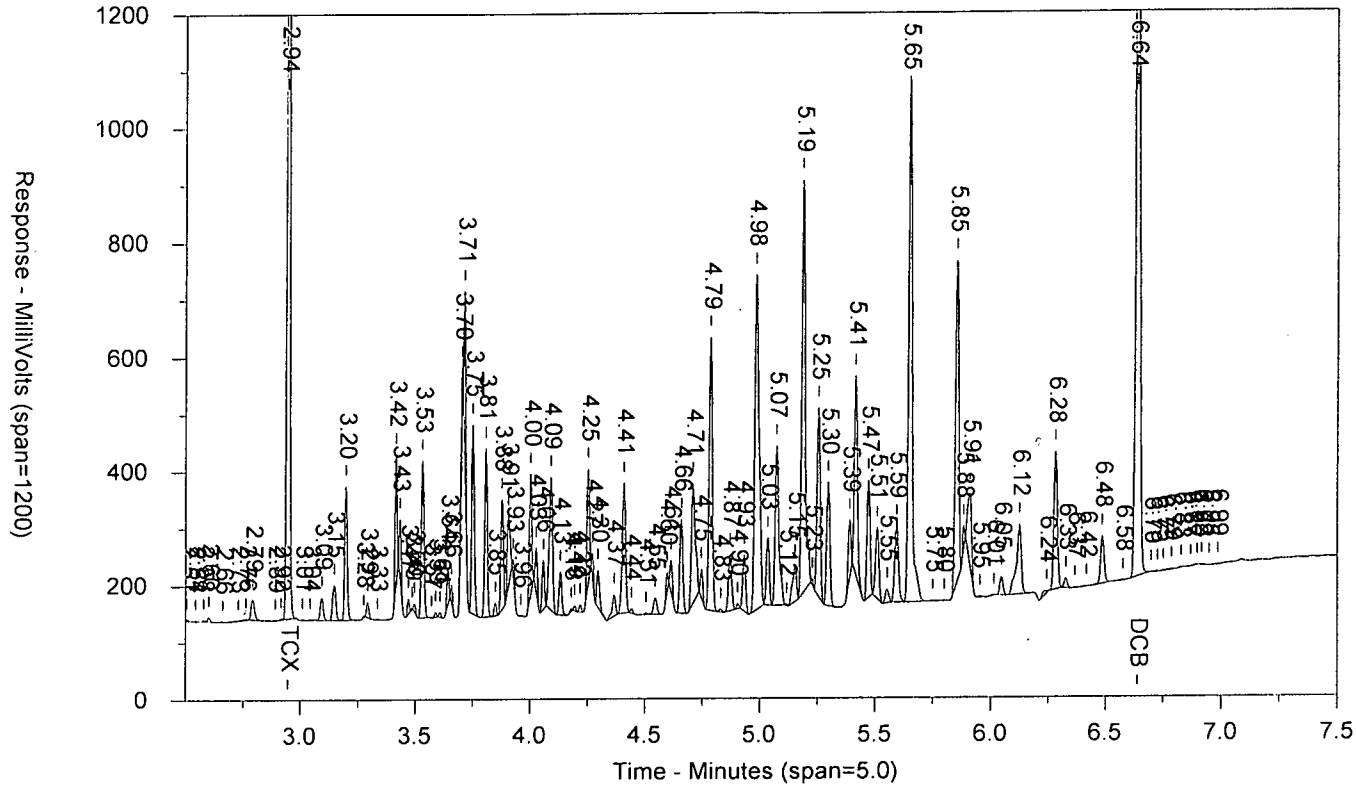

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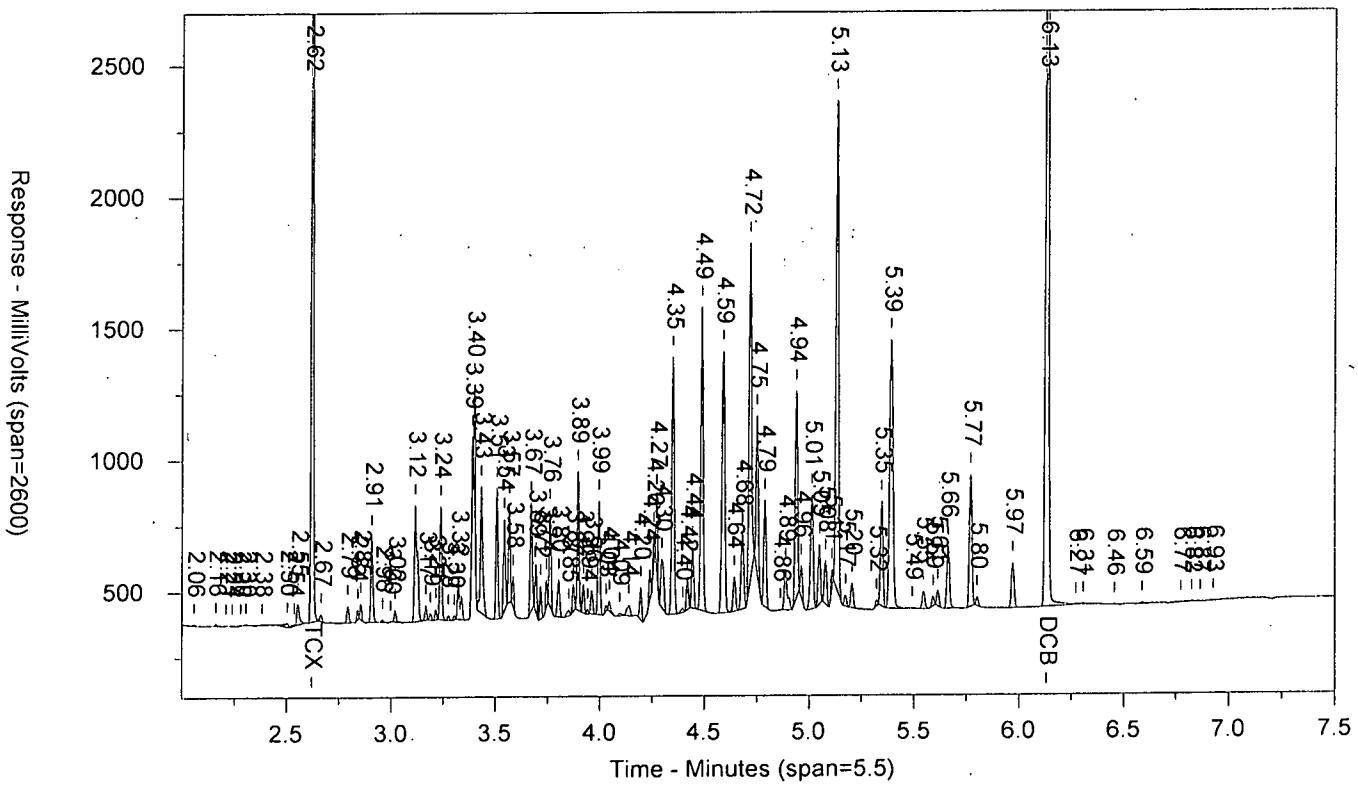

LANCASTER LABORATORIES

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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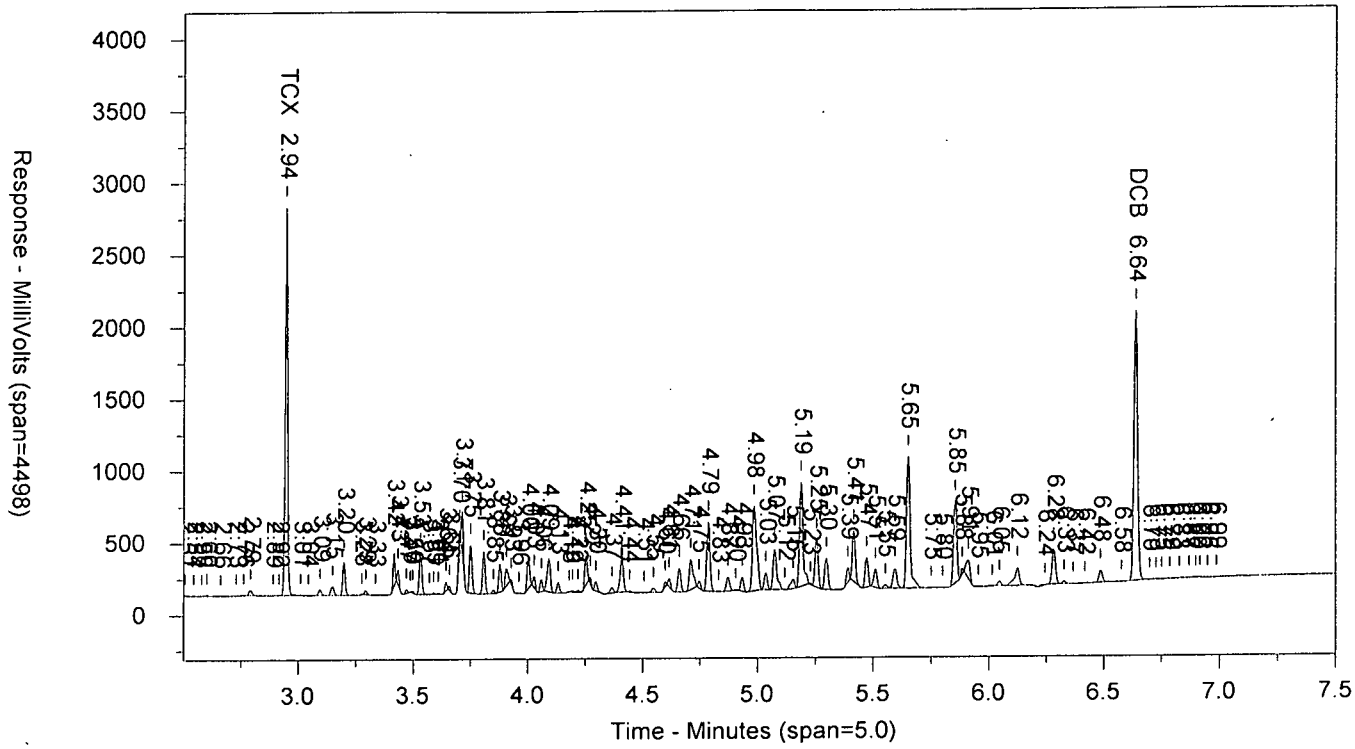

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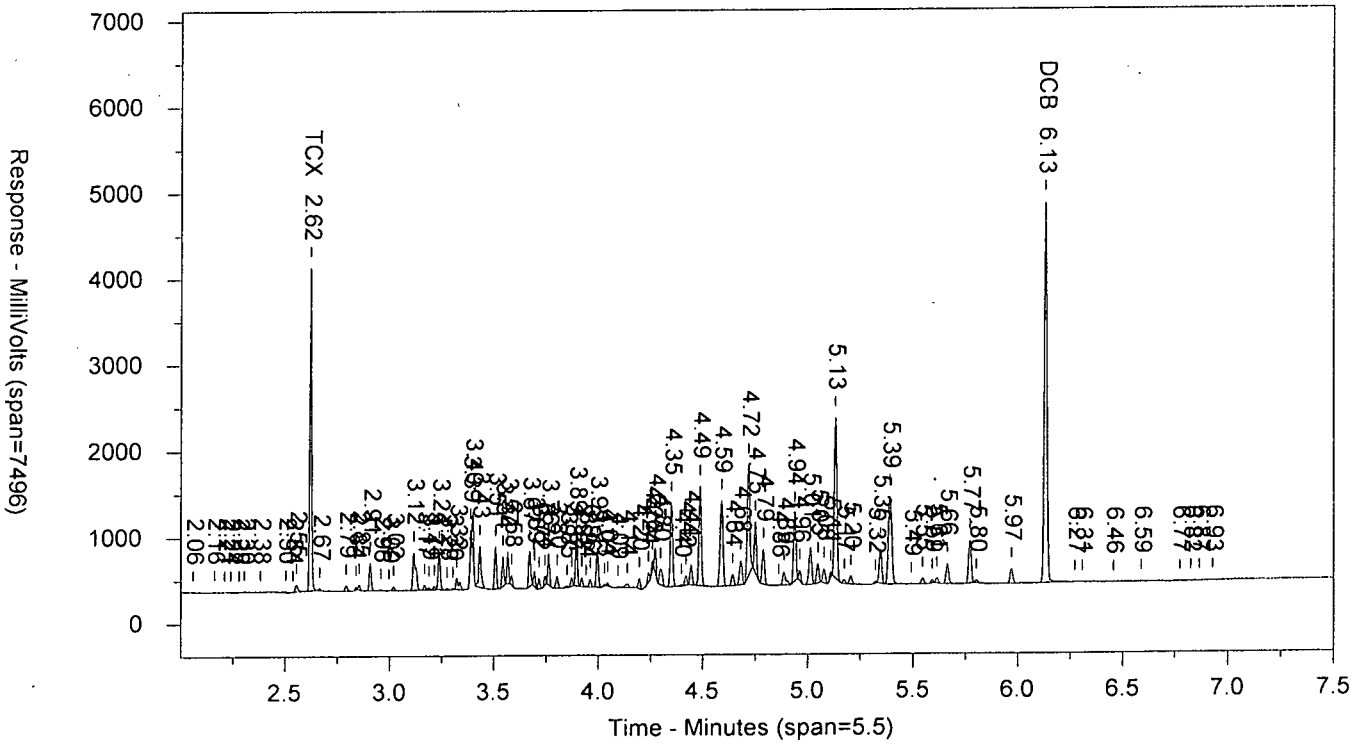

LANCASTER LABORATORIES

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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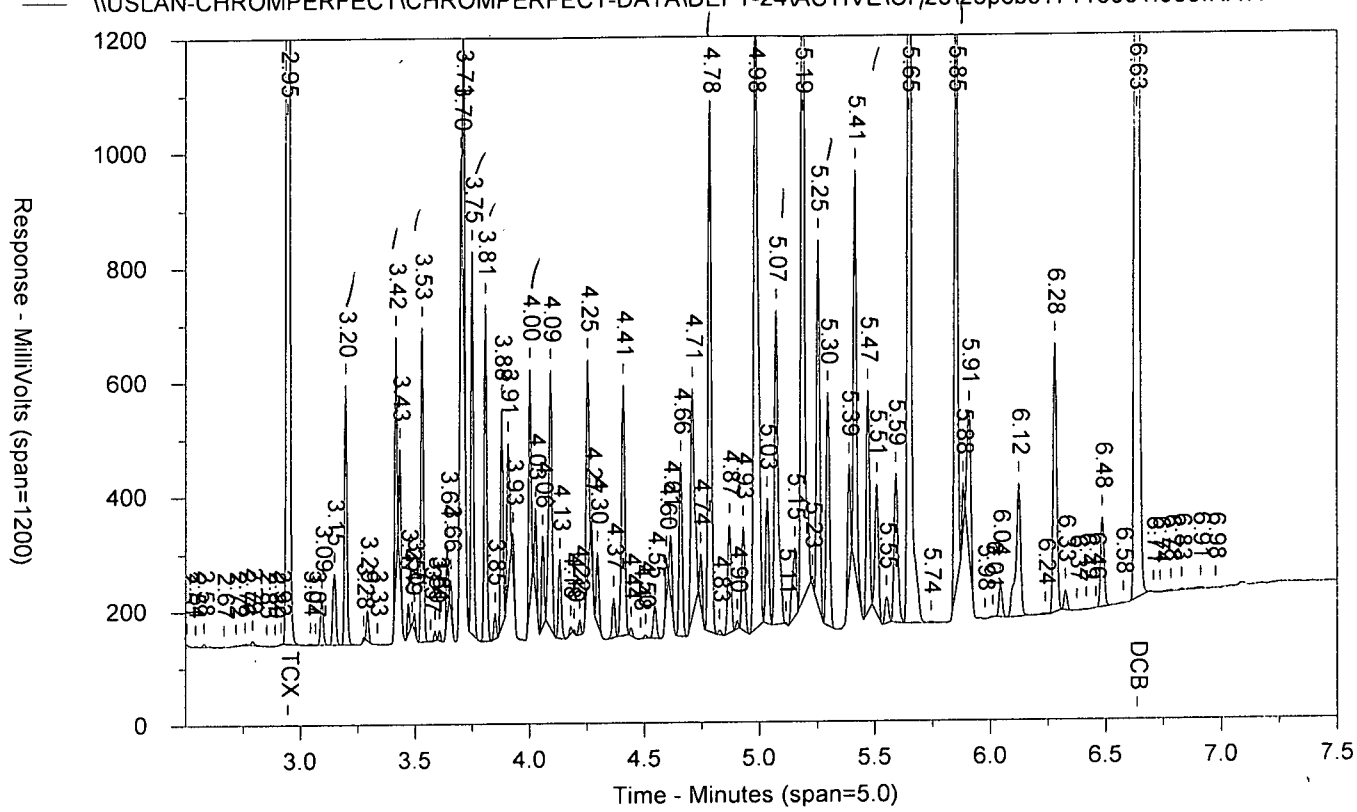

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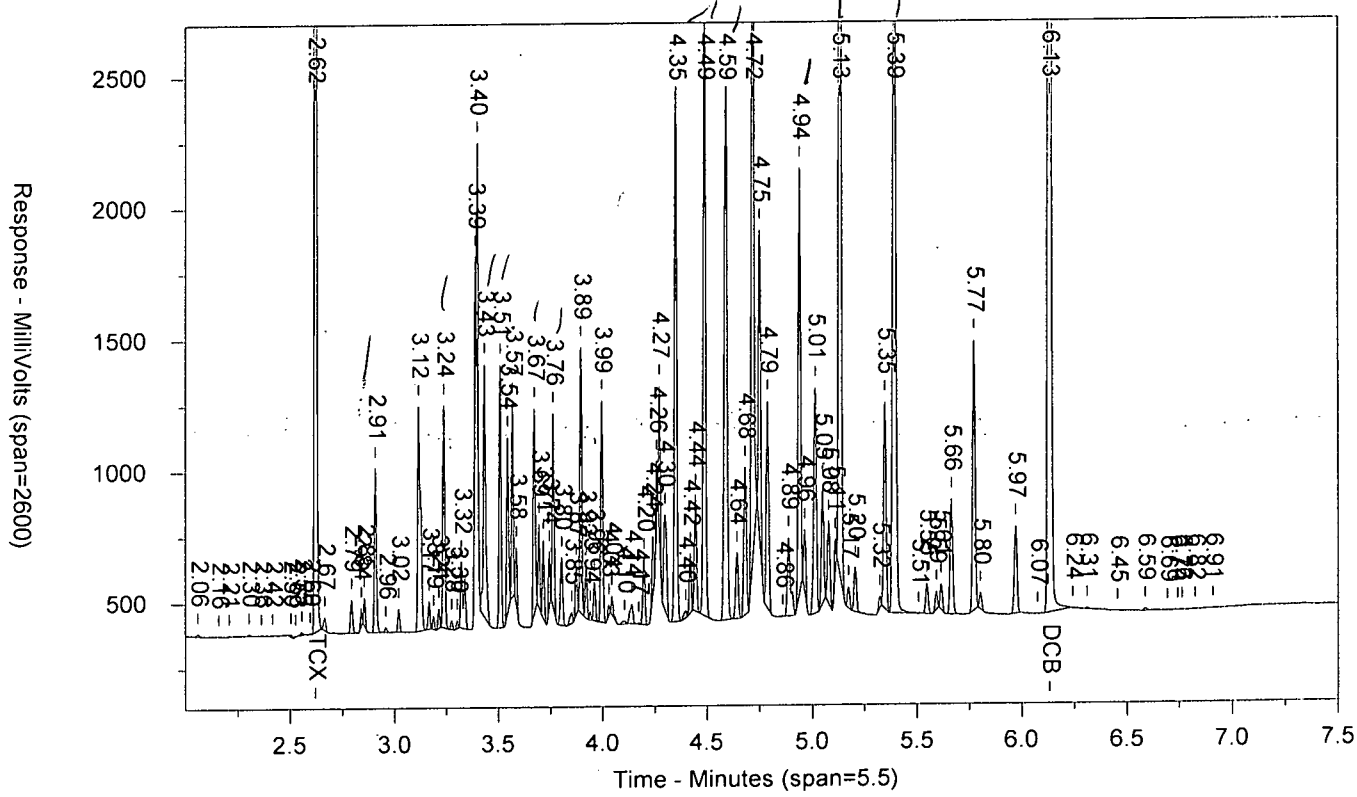

LANCASTER LABORATORIES

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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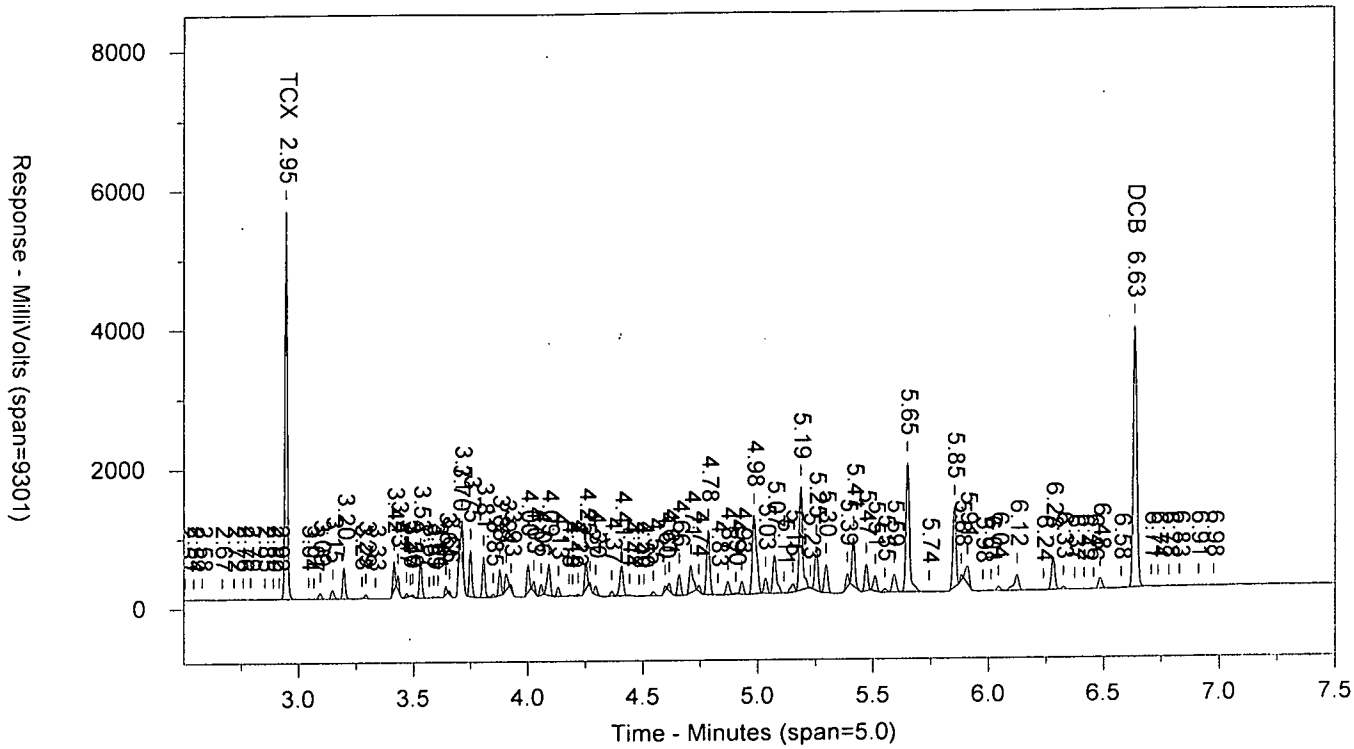

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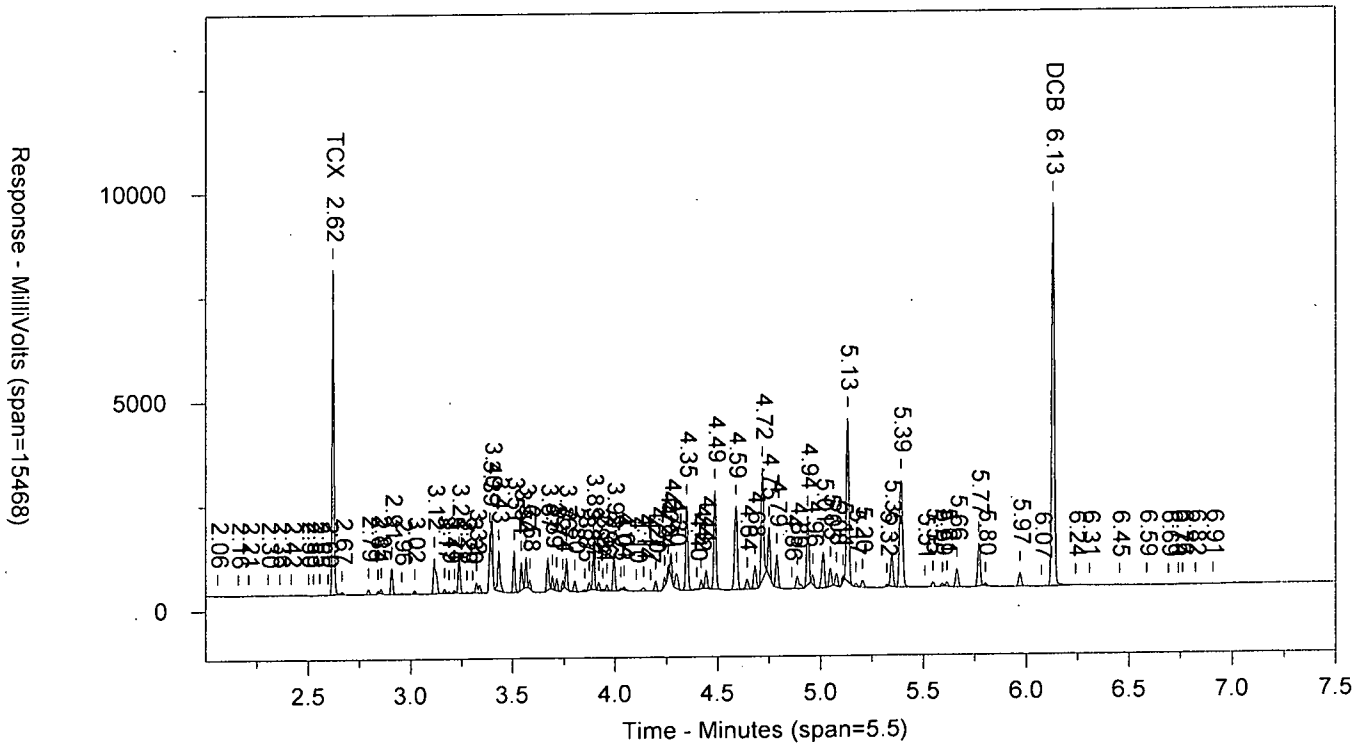

LANCASTER LABORATORIES

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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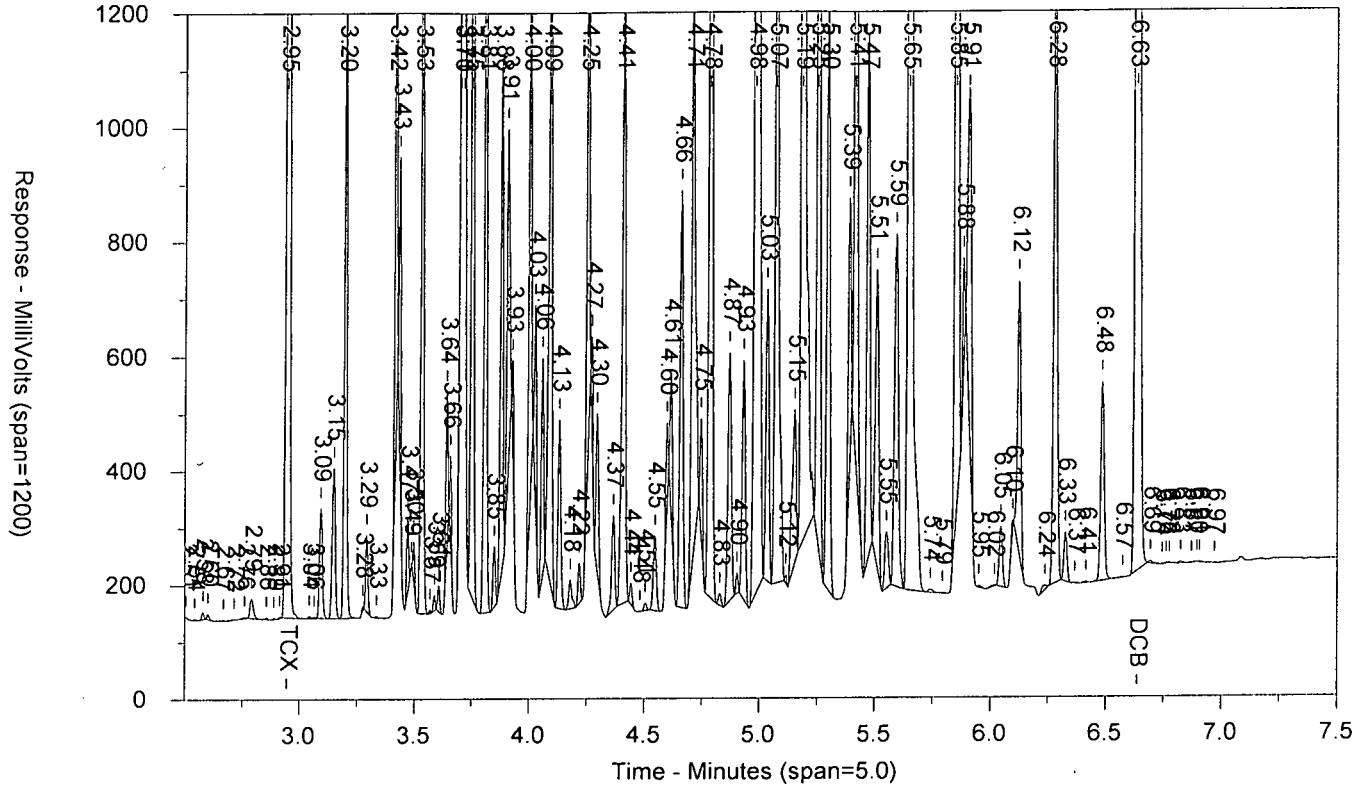

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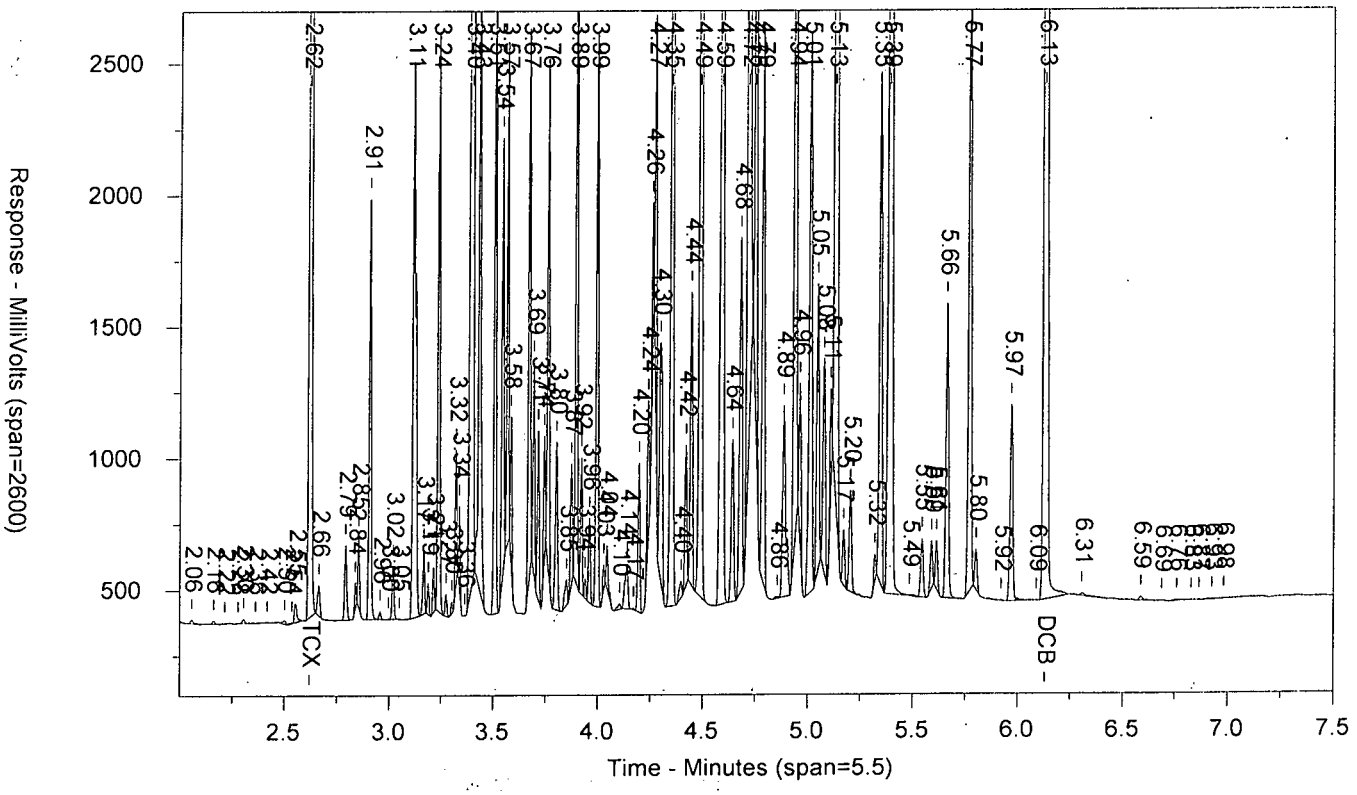

LANCASTER LABORATORIES

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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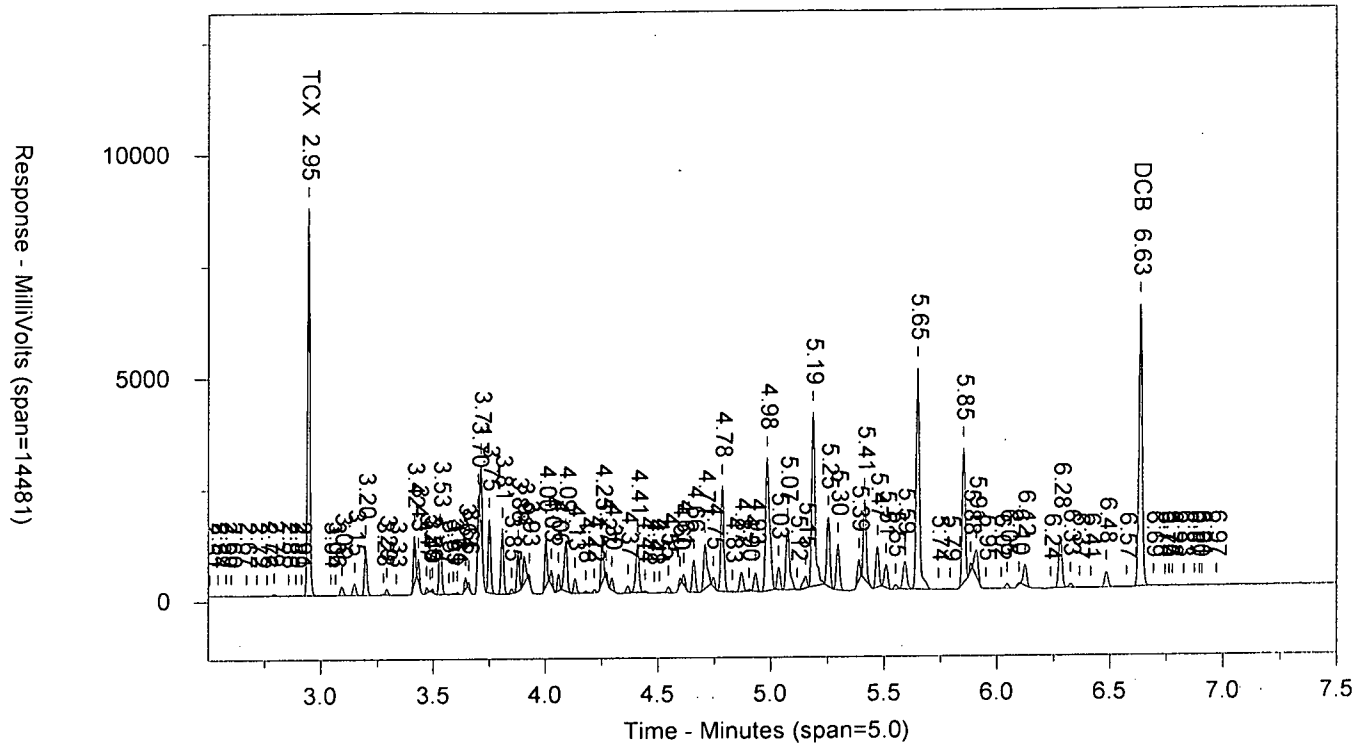

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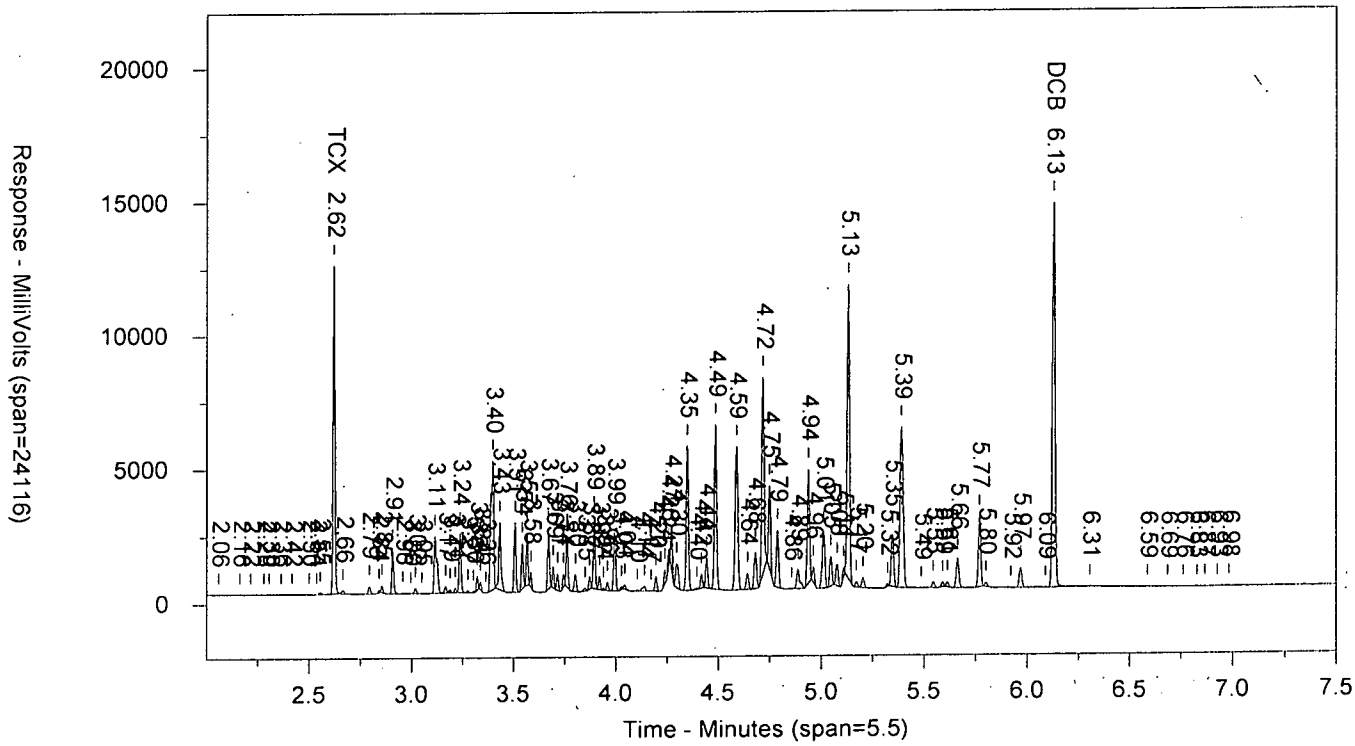

LANCASTER LABORATORIES

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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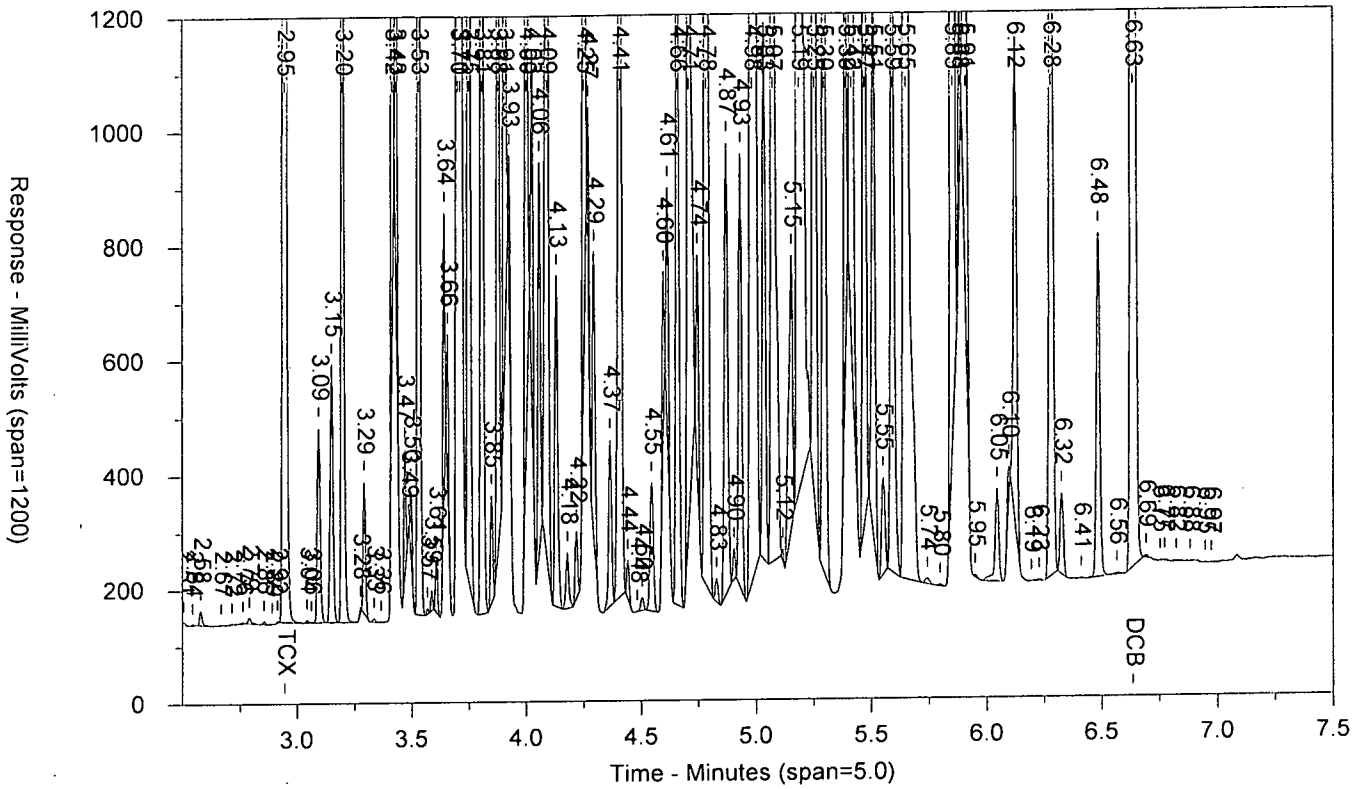

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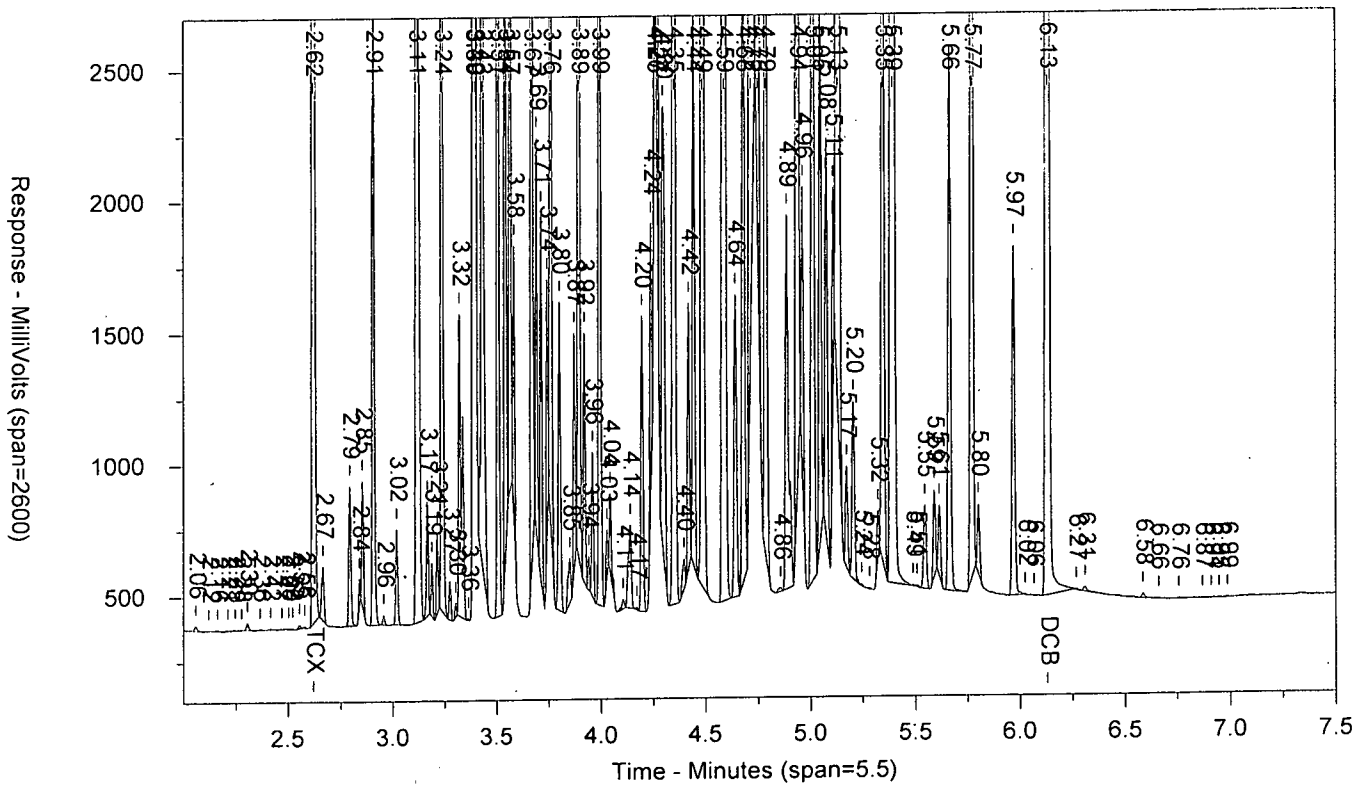

LANCASTER LABORATORIES

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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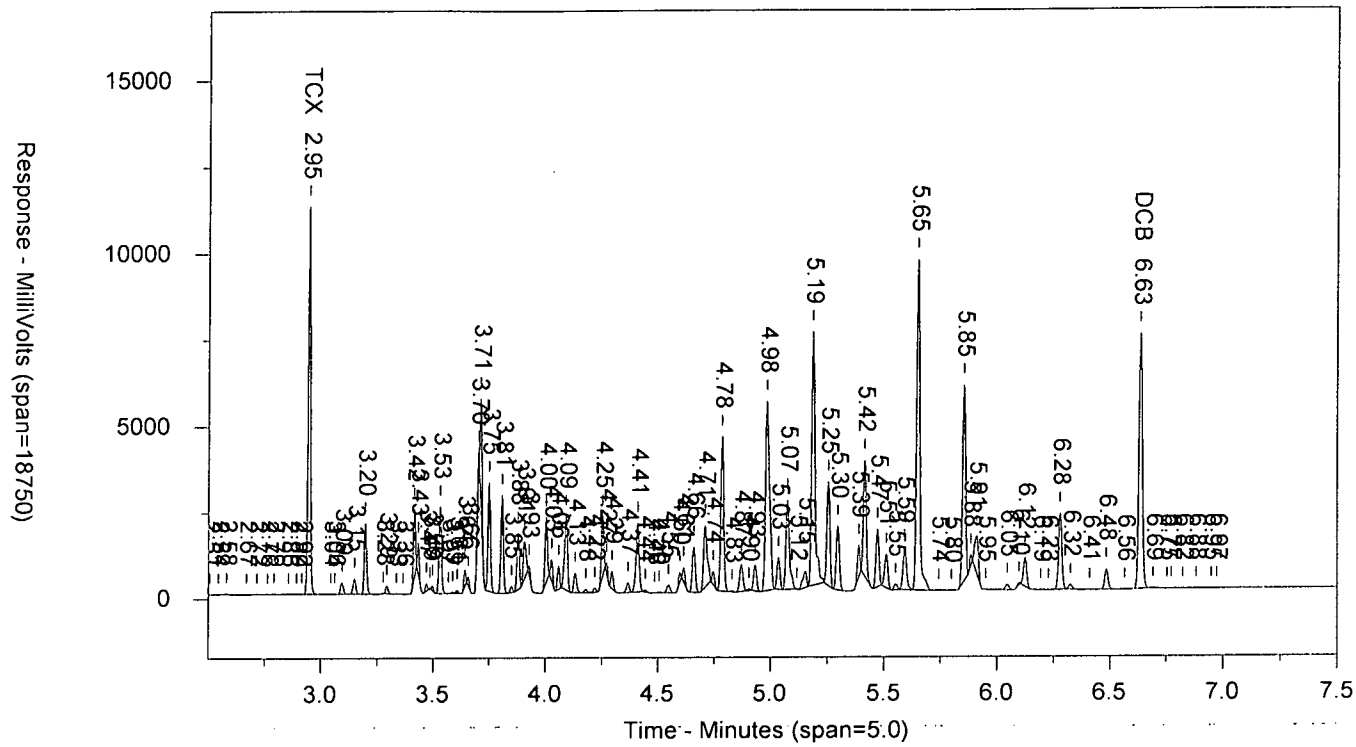

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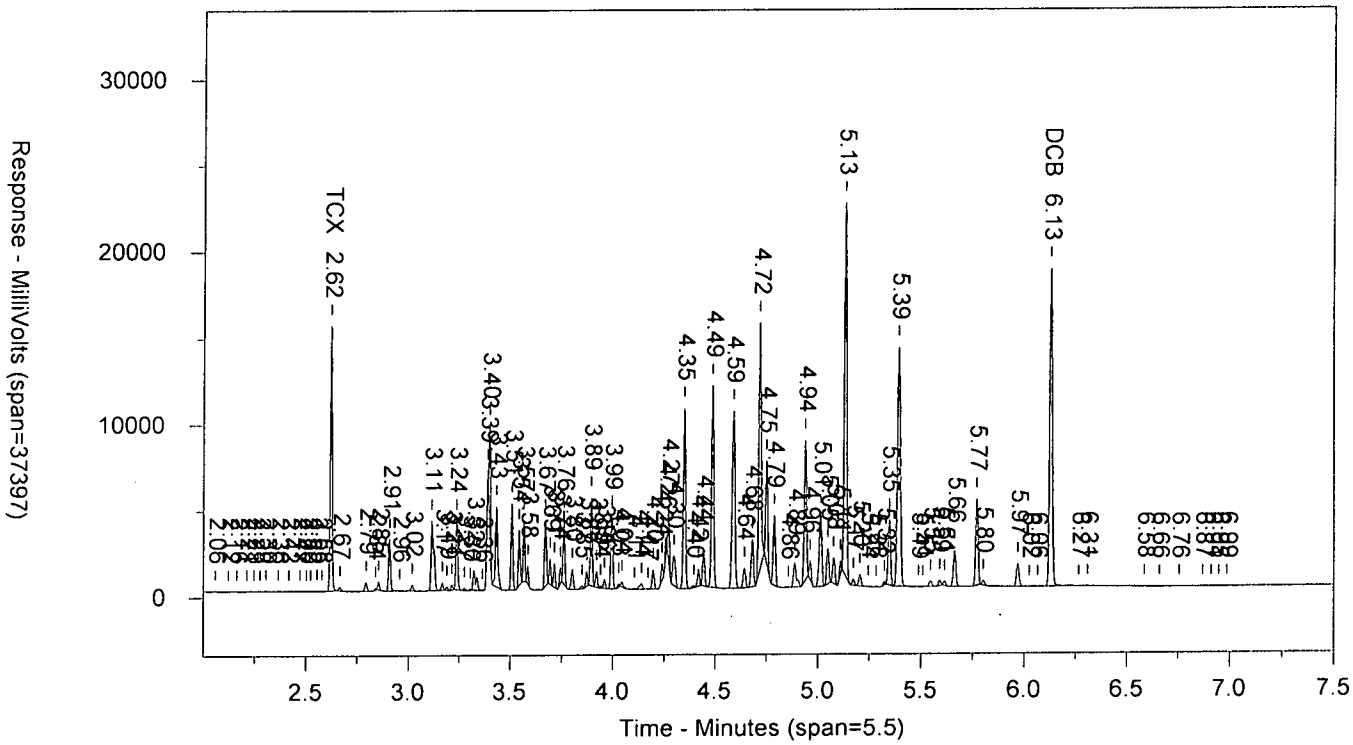

LANCASTER LABORATORIES

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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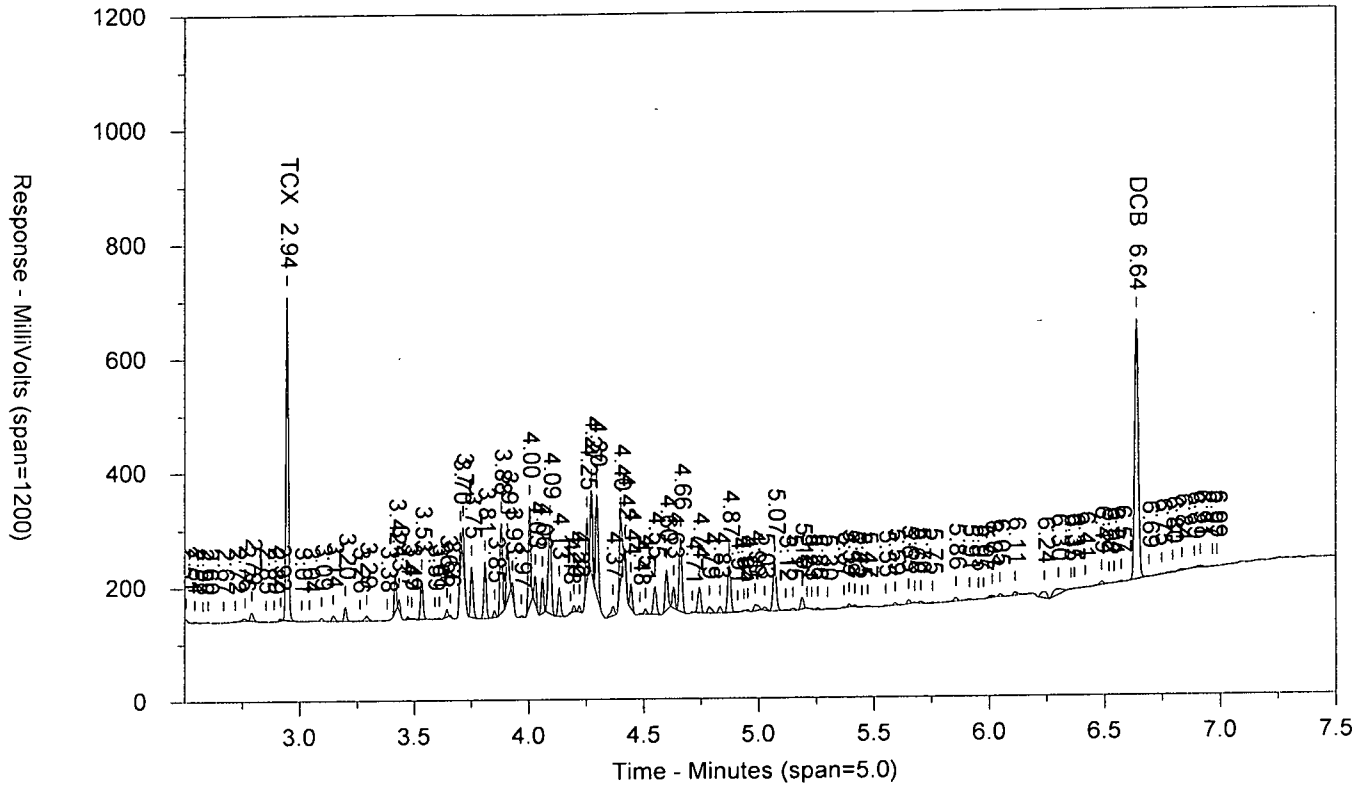

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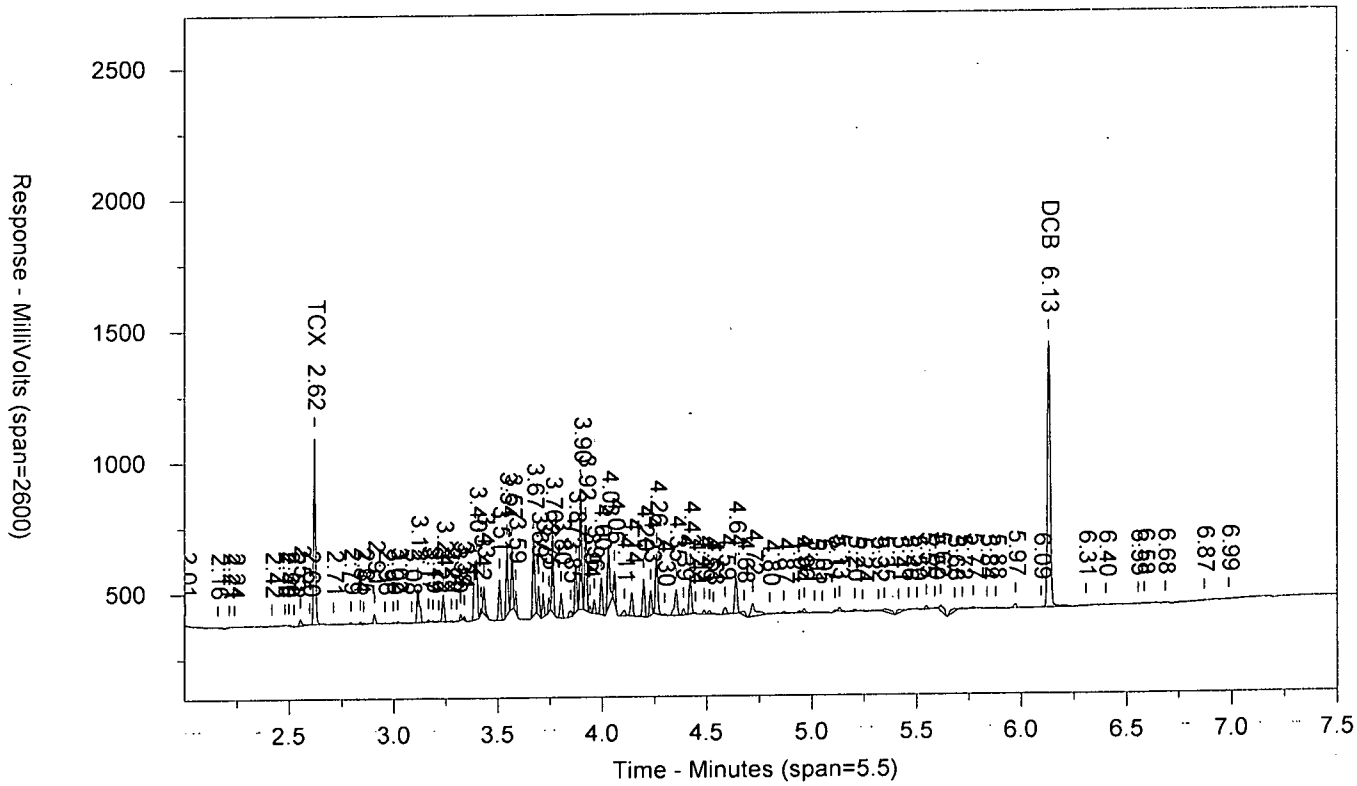

LANCASTER LABORATORIES

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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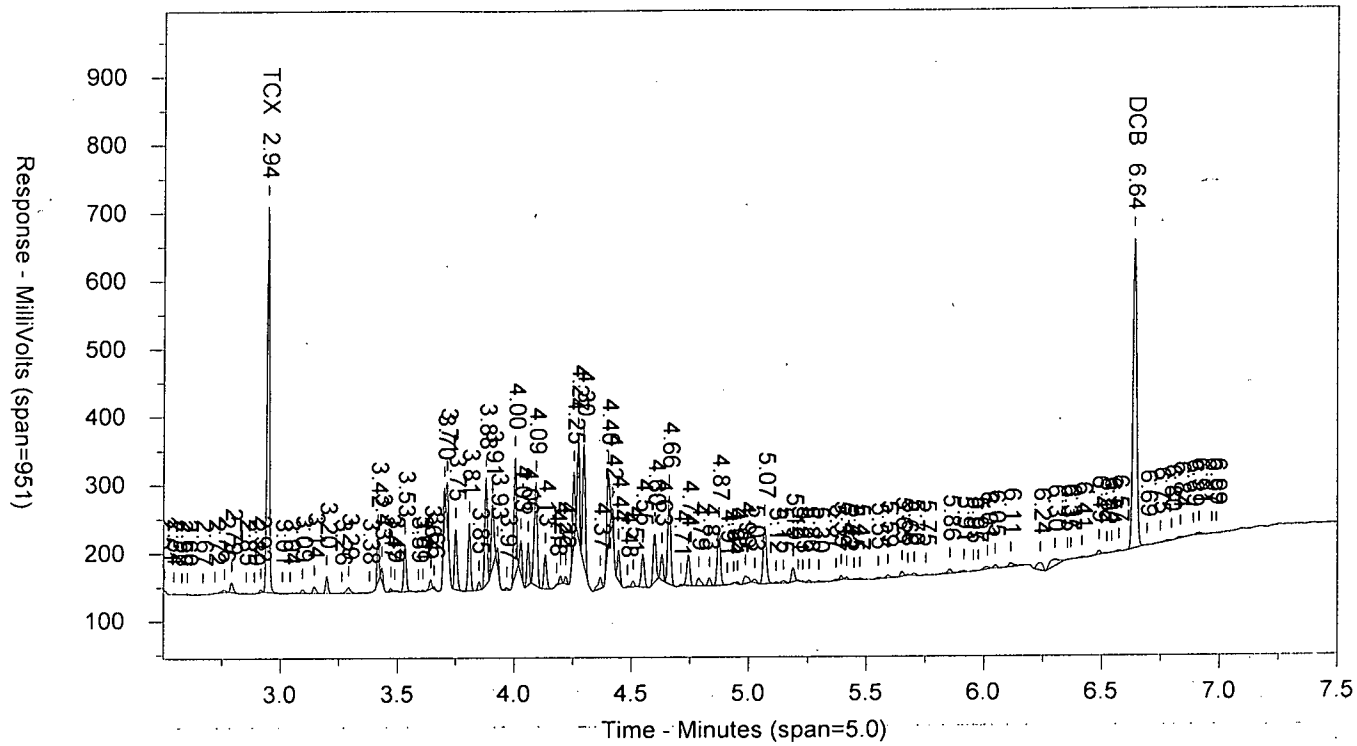

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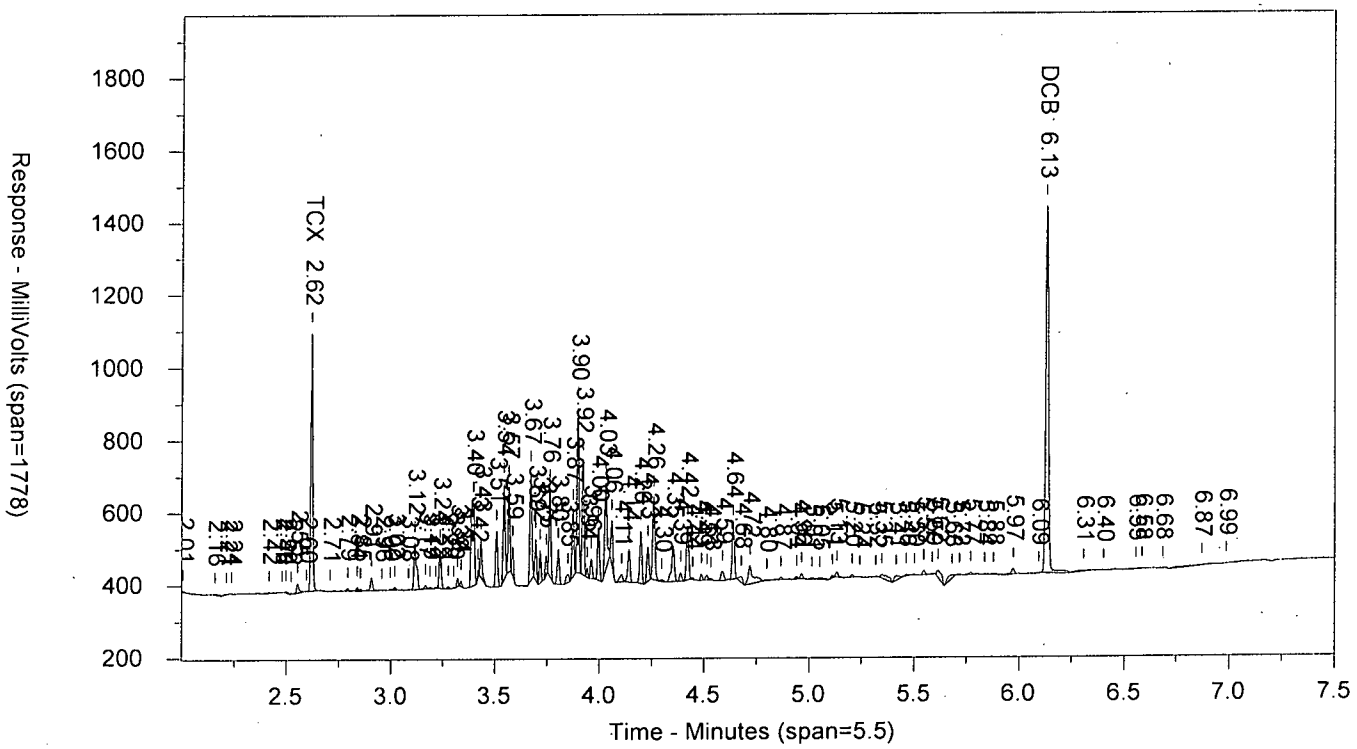

LANCASTER LABORATORIES

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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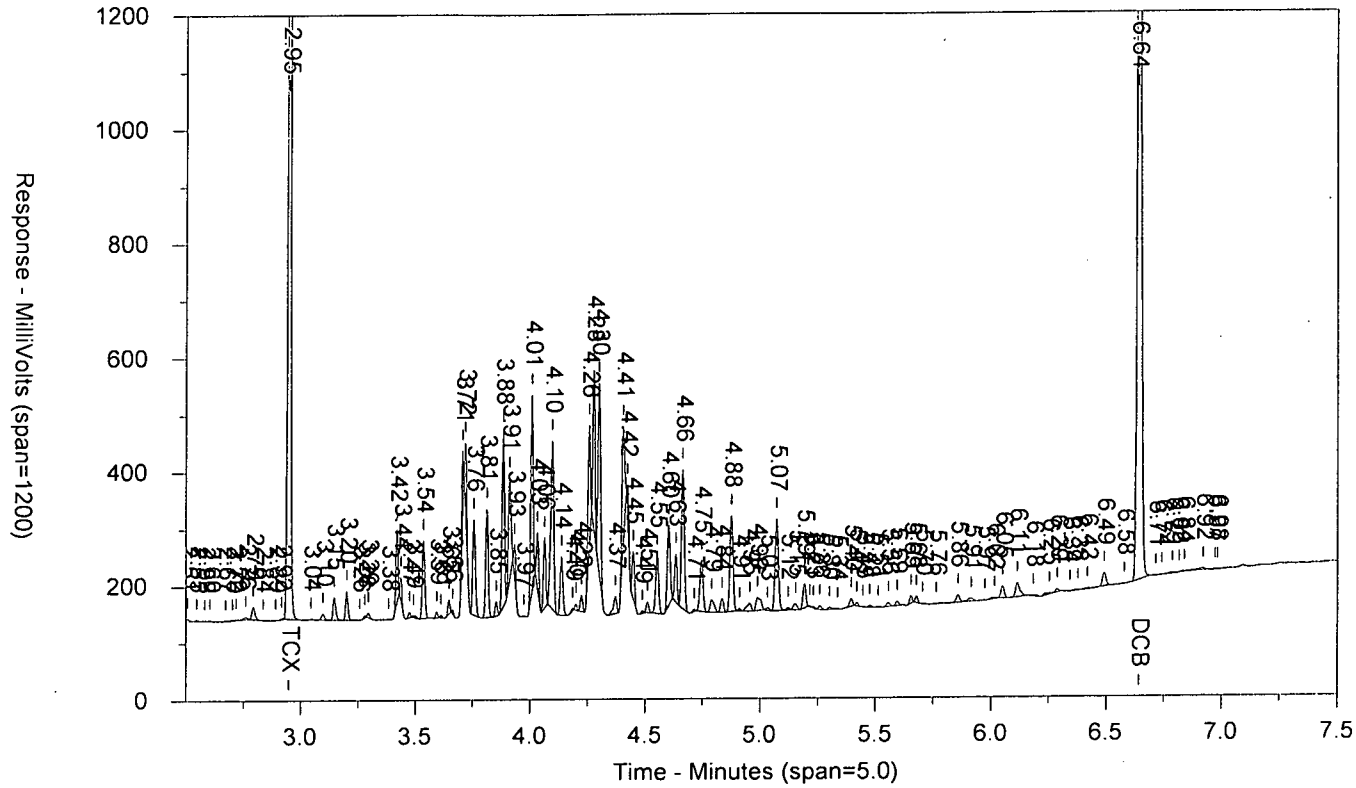

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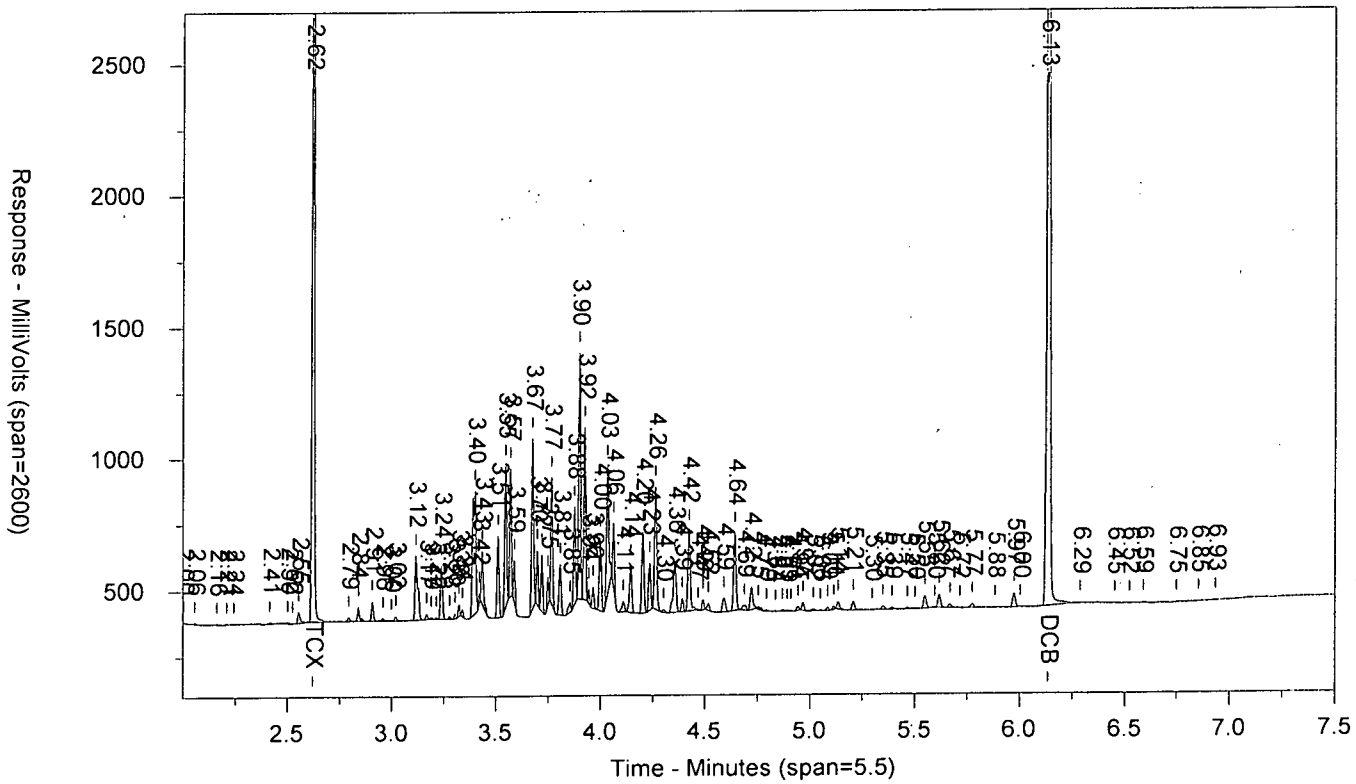

LANCASTER LABORATORIES

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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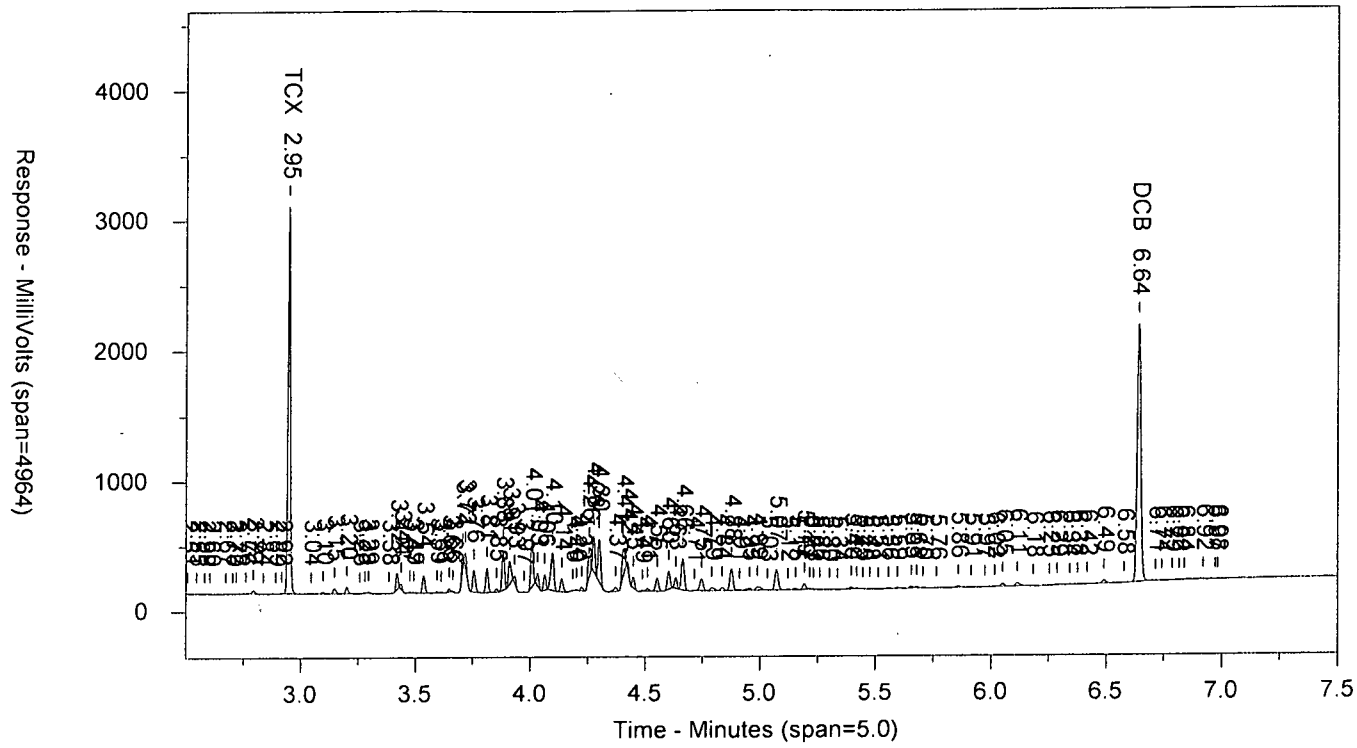

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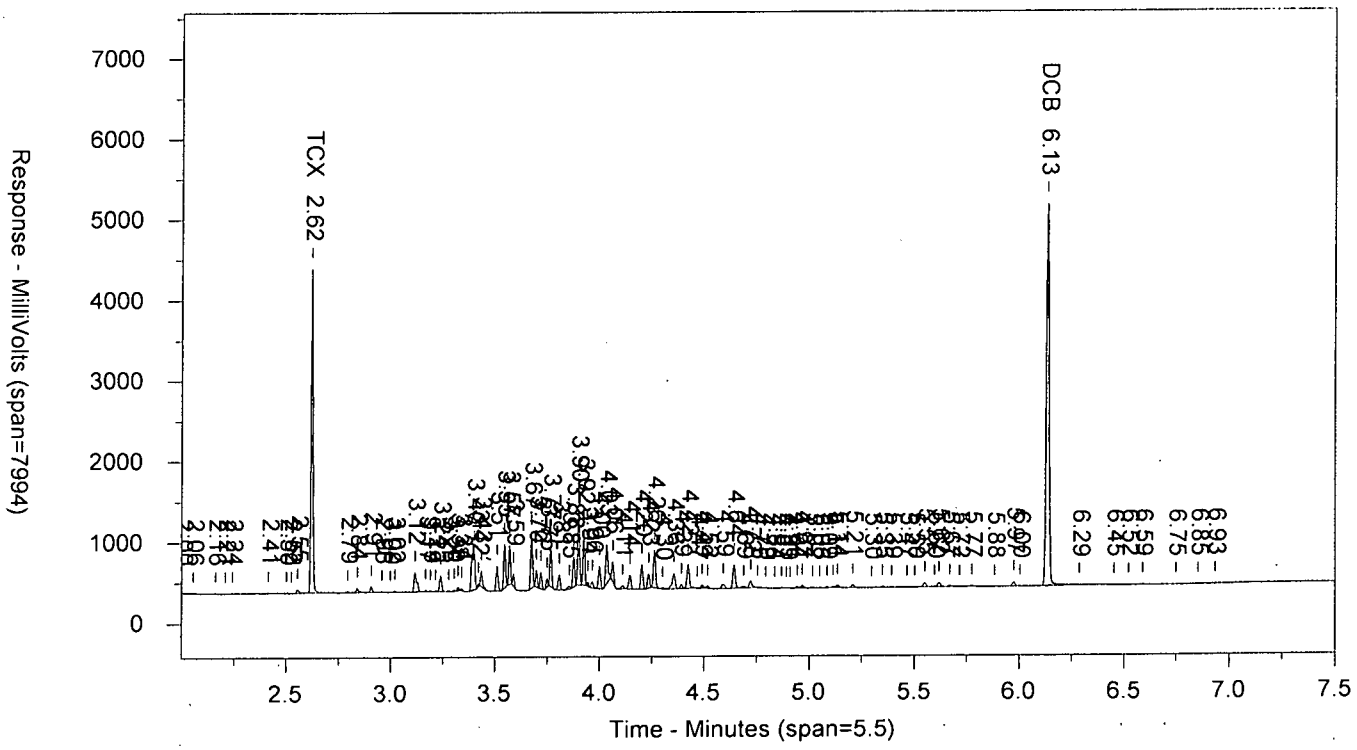

LANCASTER LABORATORIES

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

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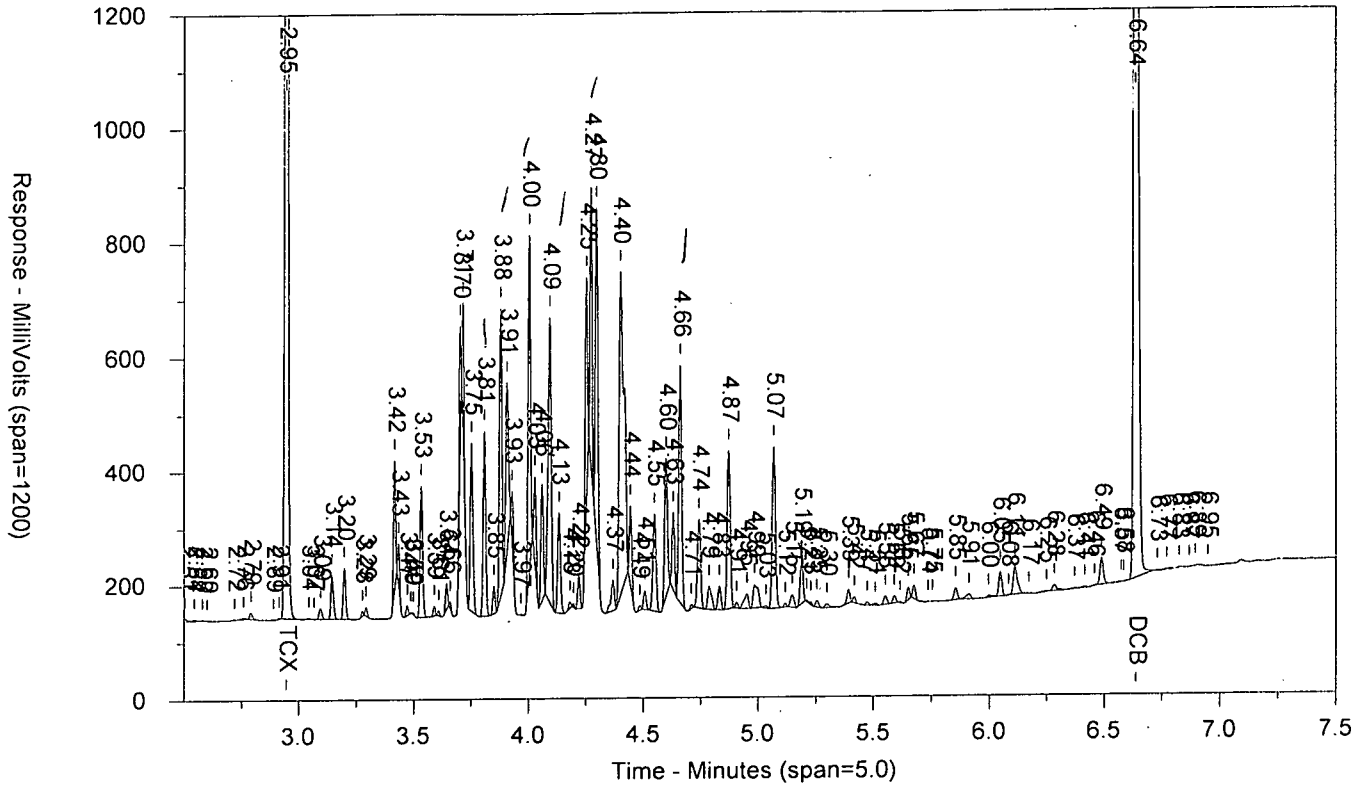

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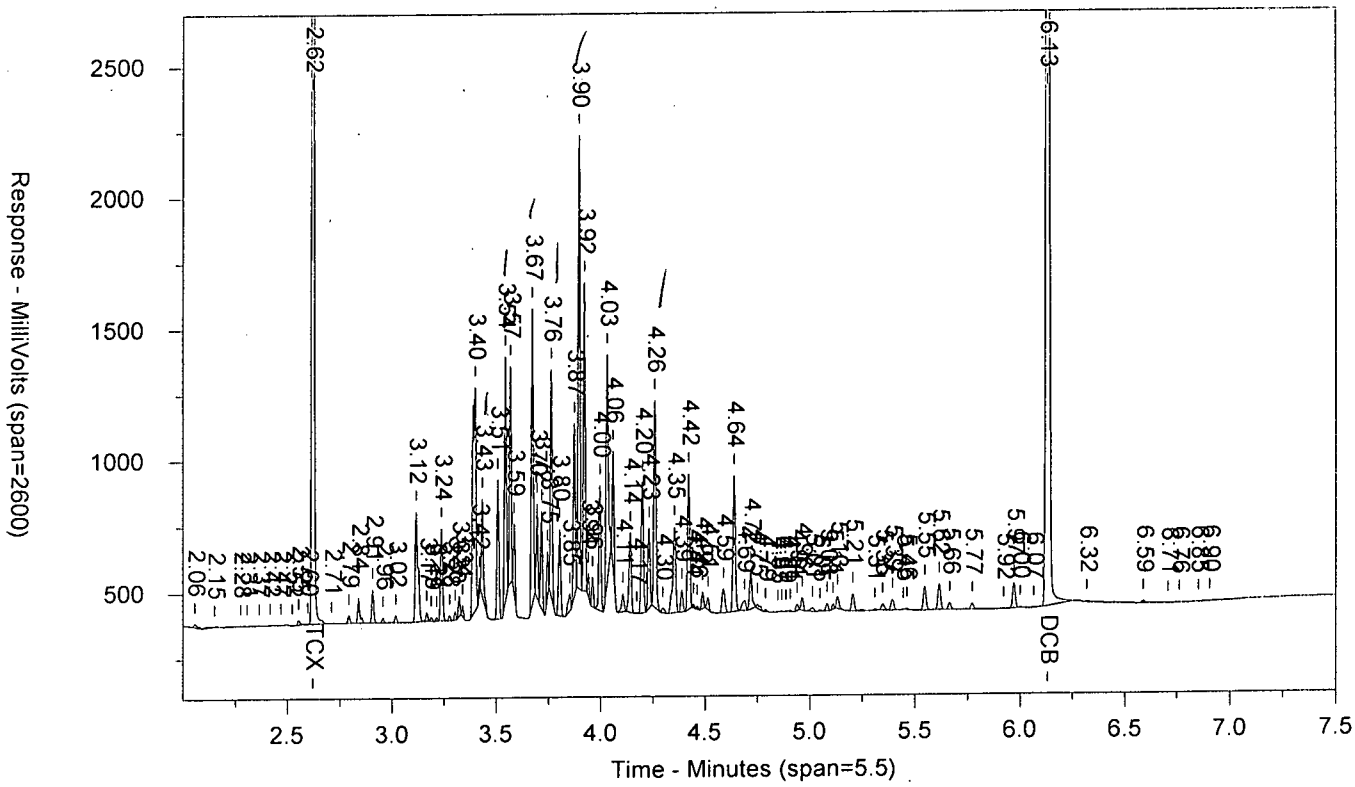

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:08:35 PM 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	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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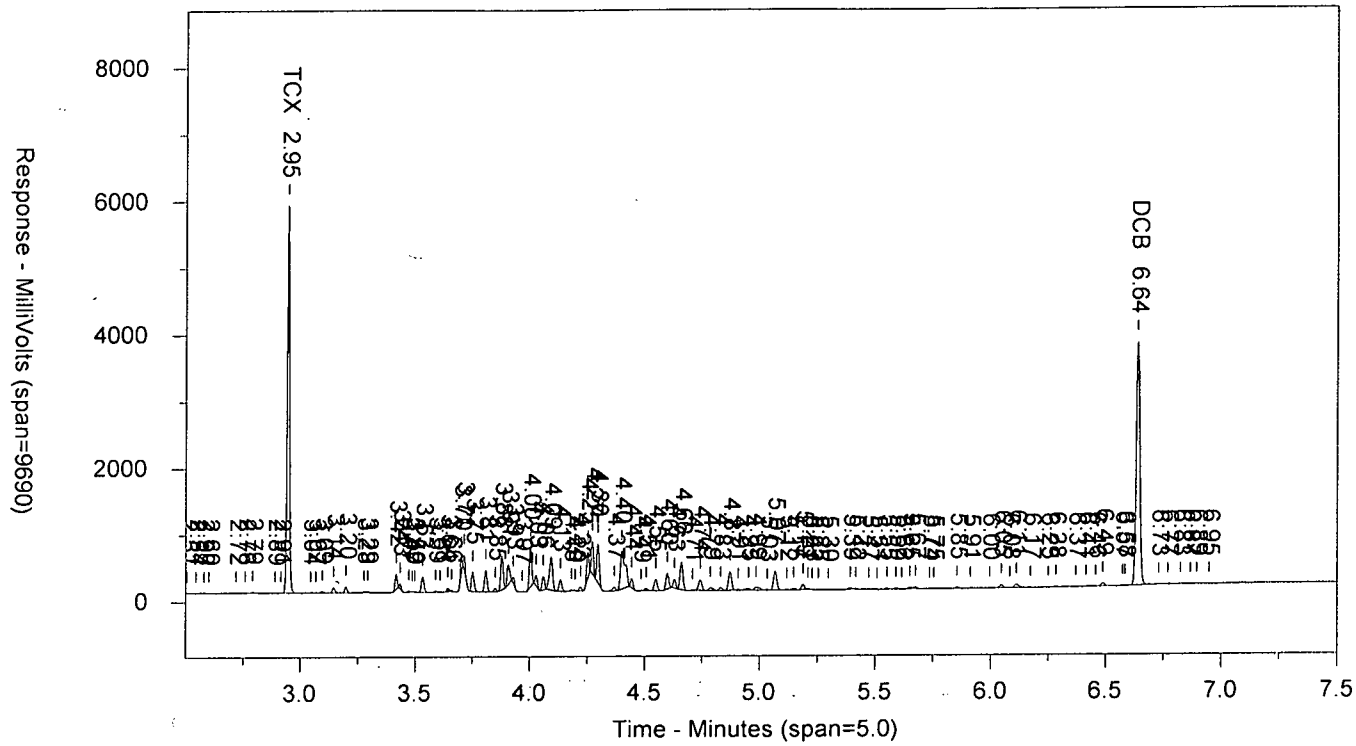

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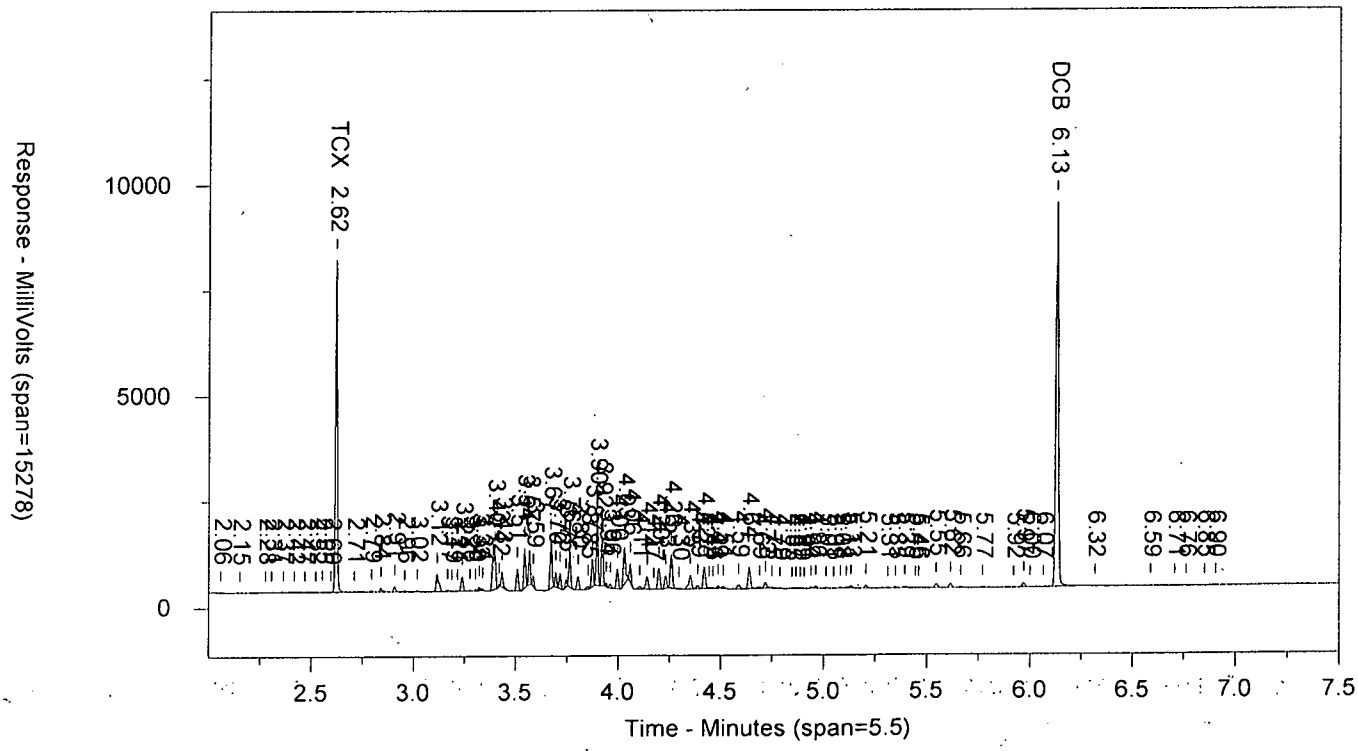

LANCASTER LABORATORIES

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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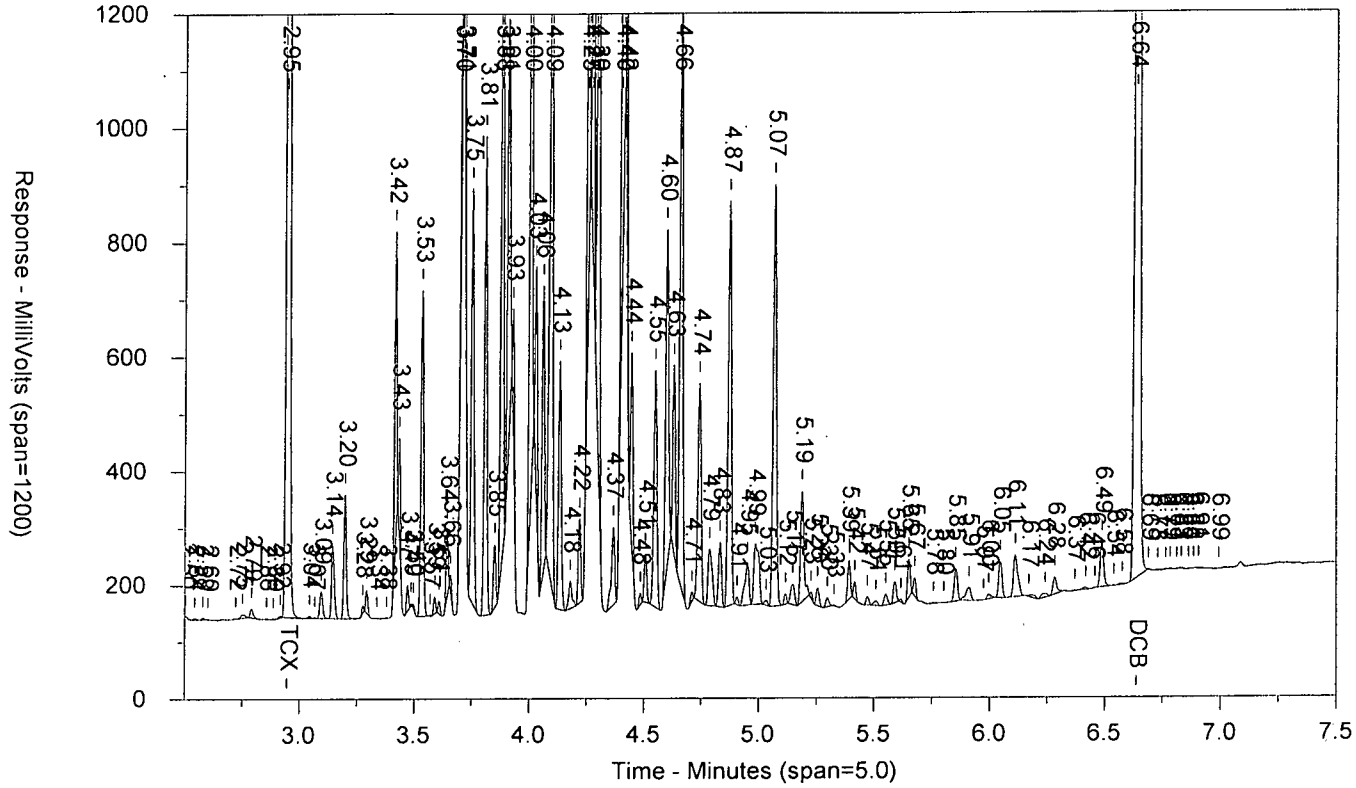

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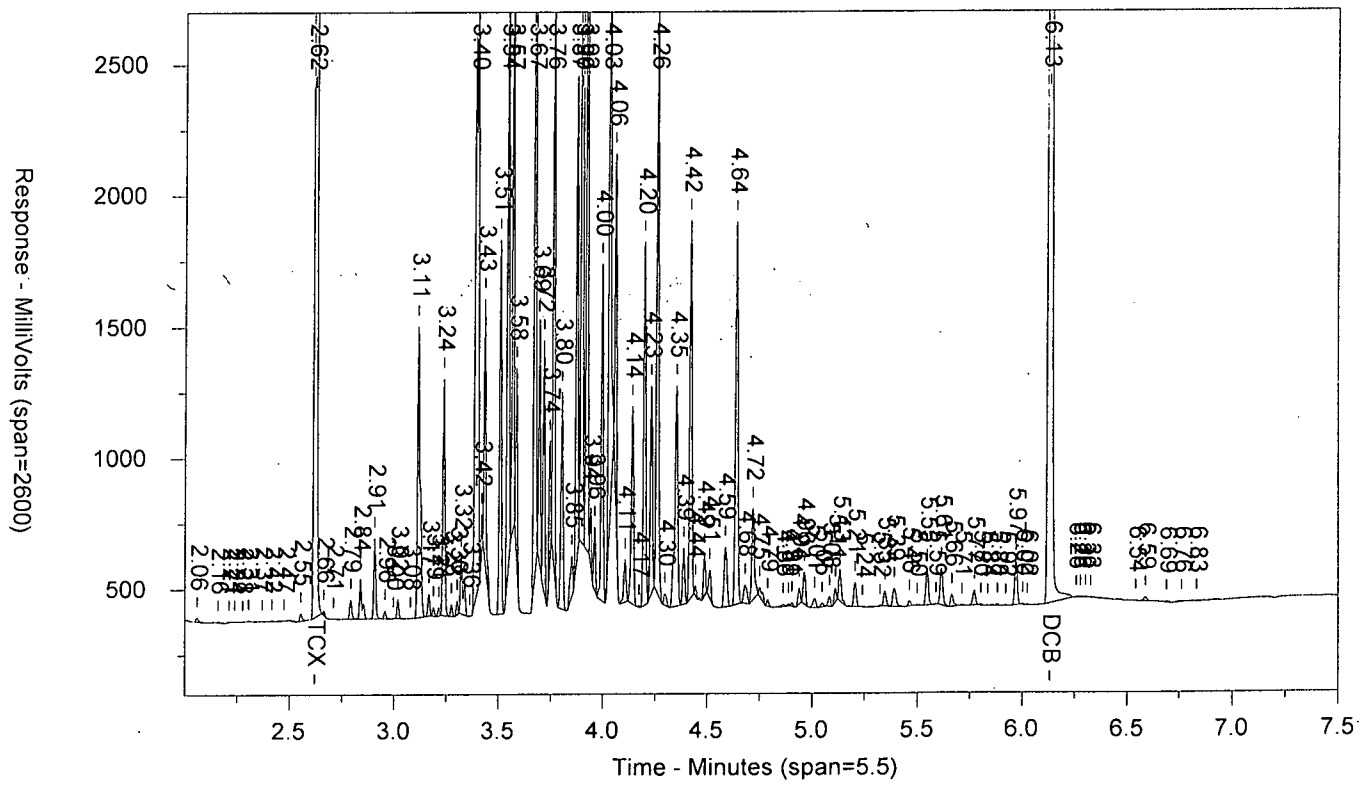

LANCASTER LABORATORIES

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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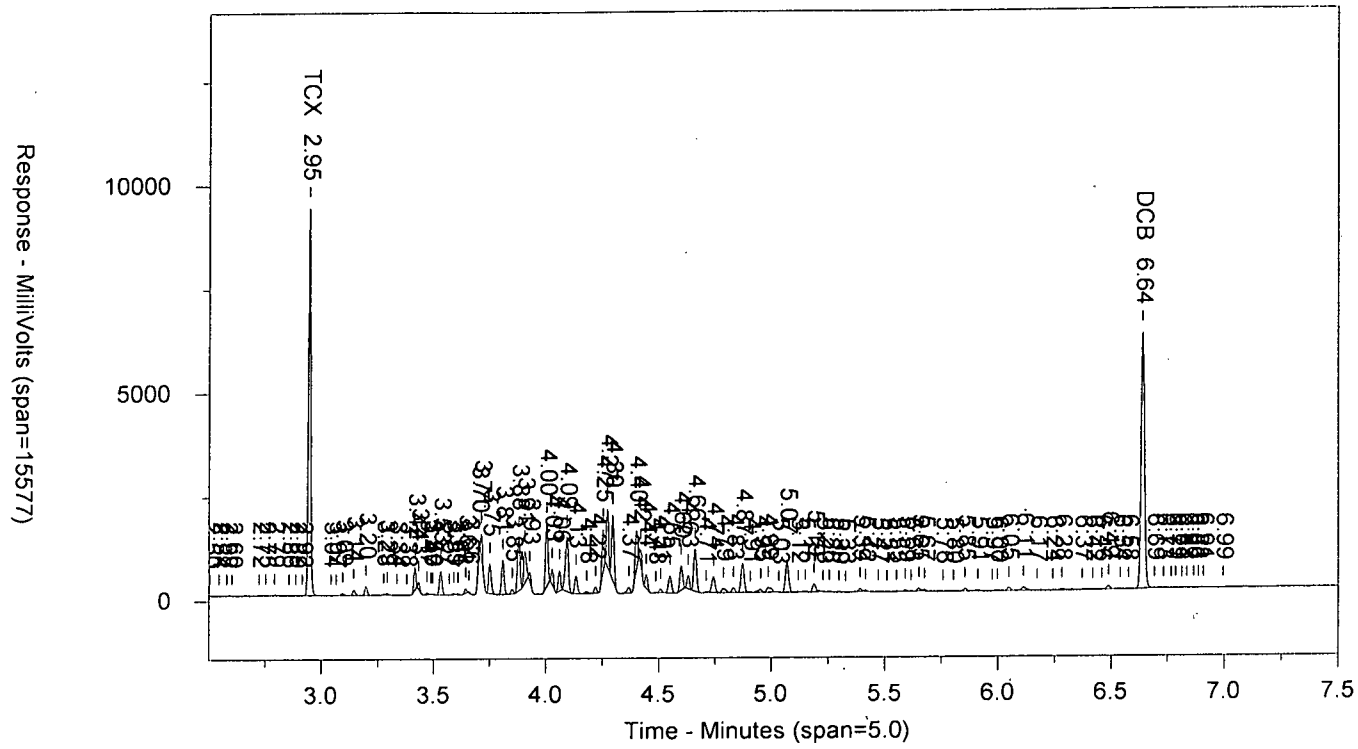

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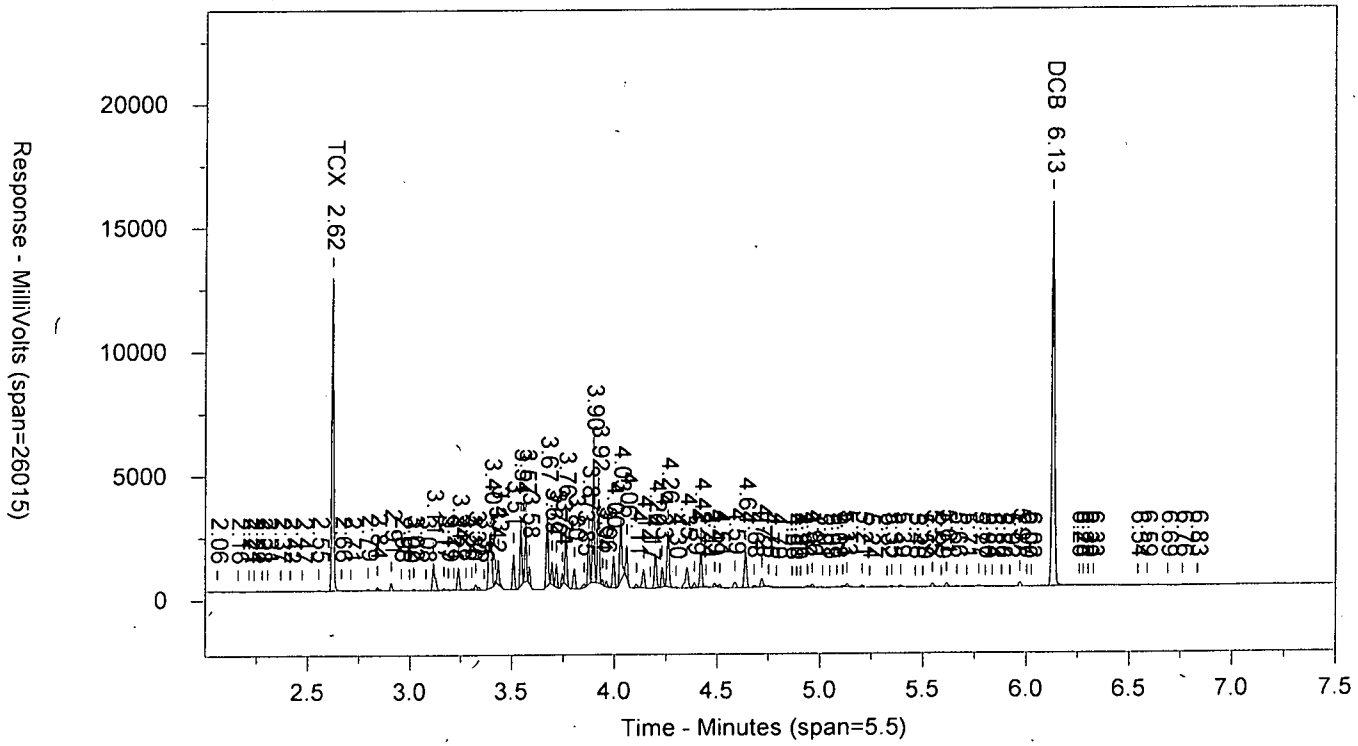

LANCASTER LABORATORIES

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

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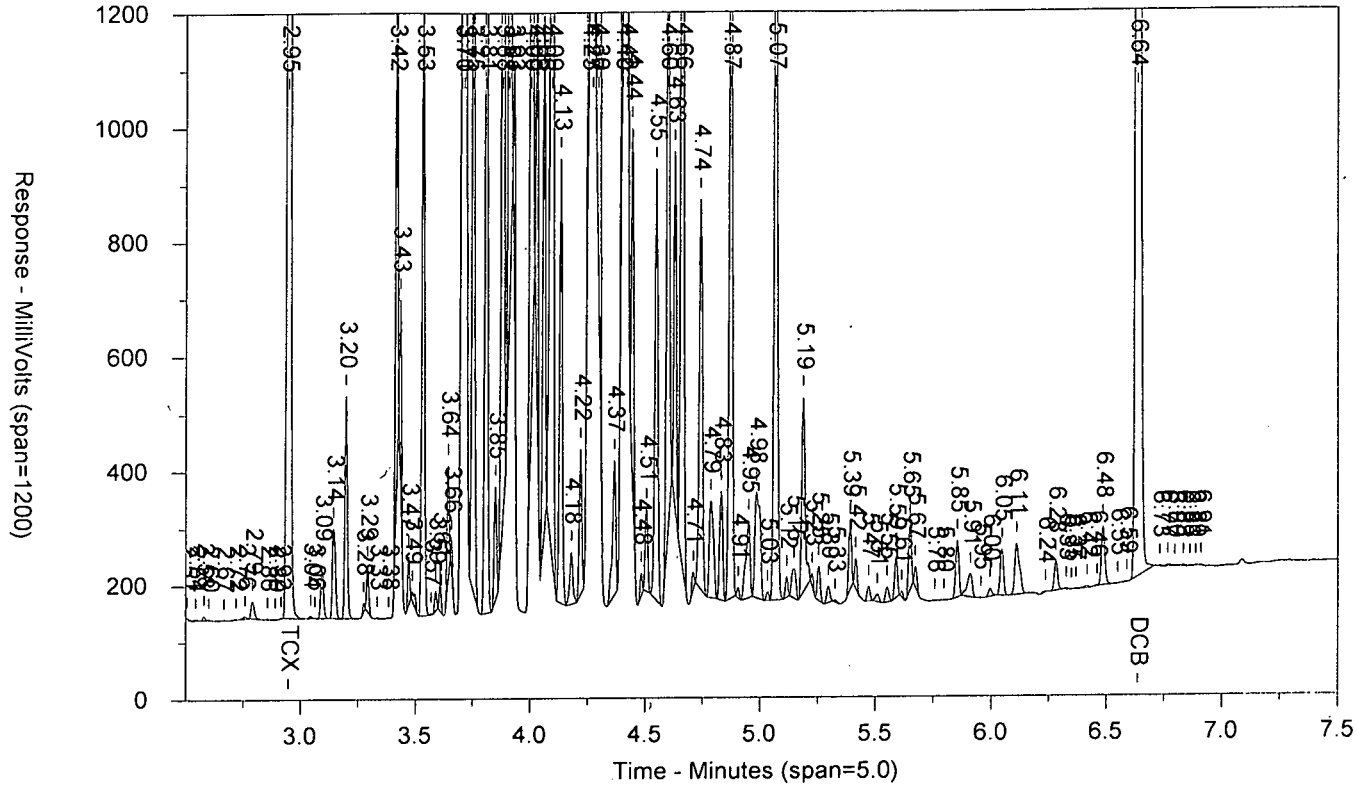

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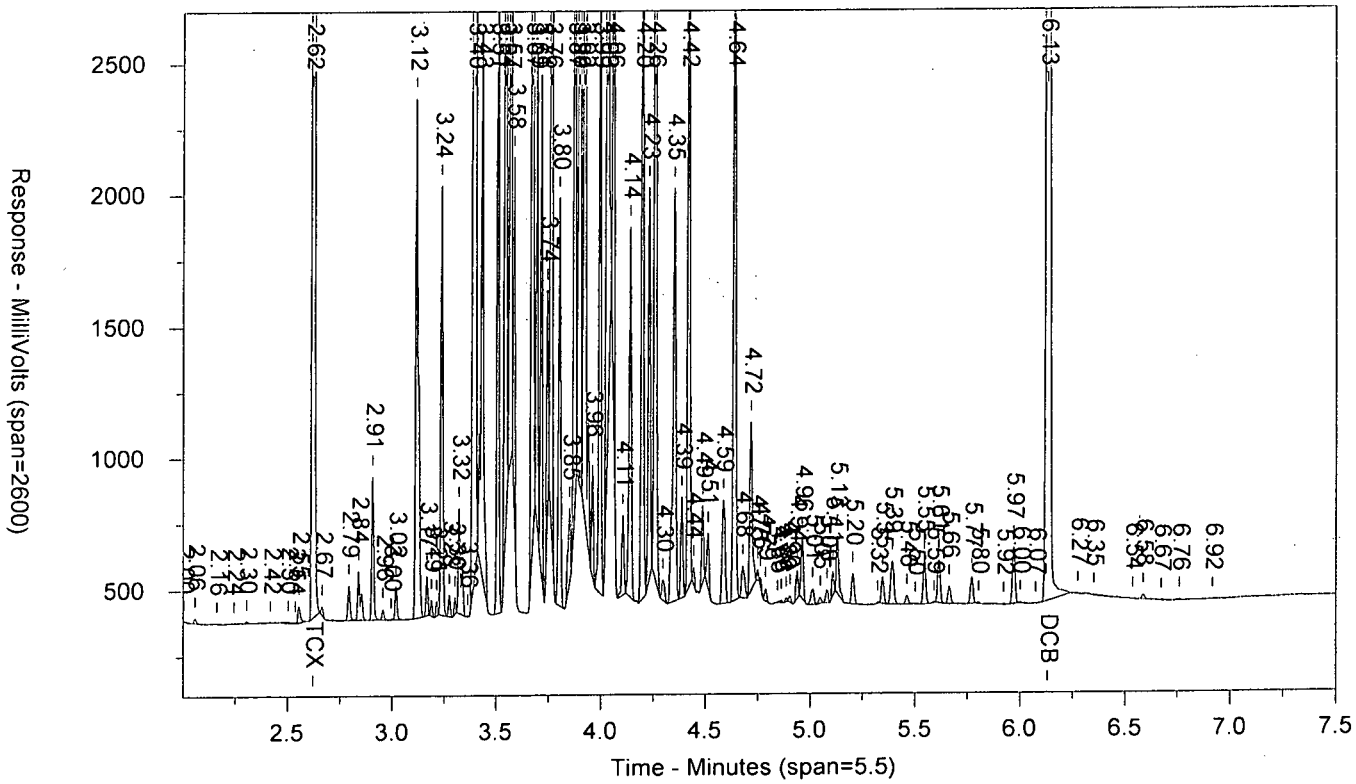


LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 4:31:11 PM 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

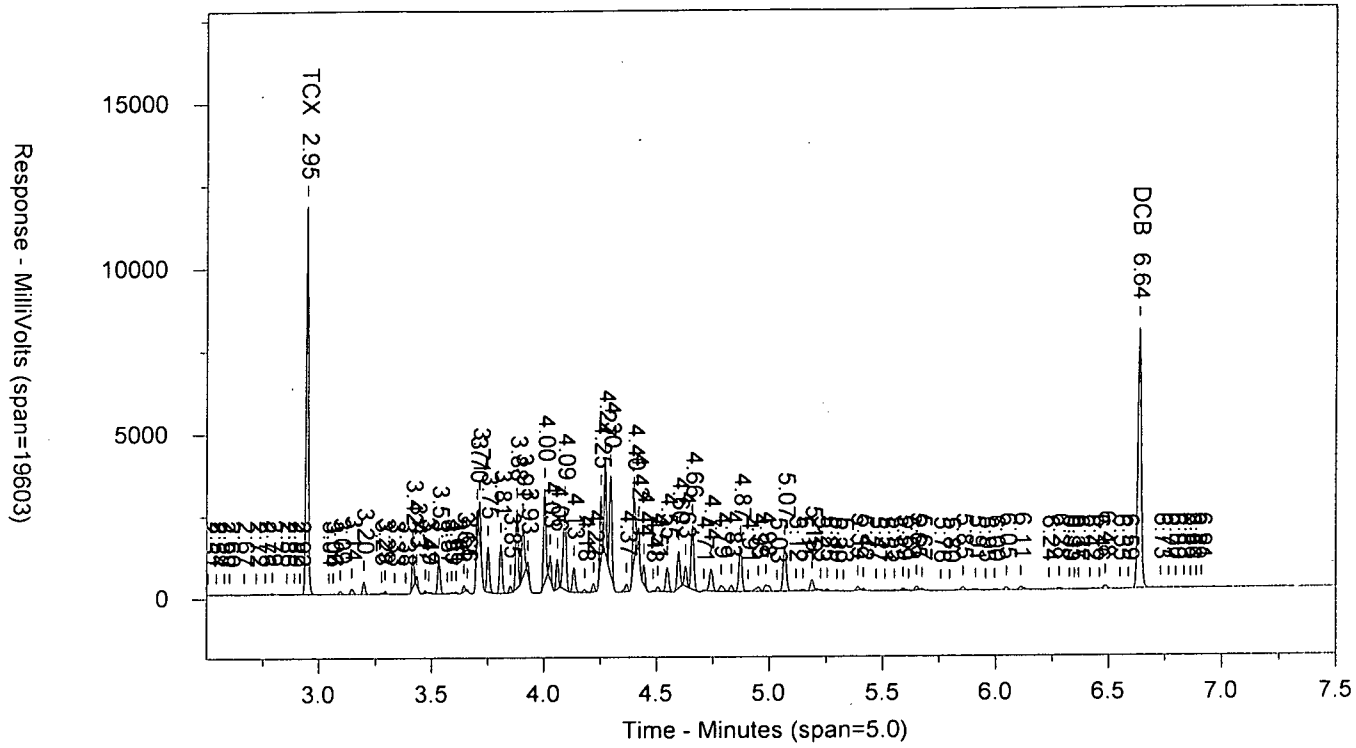
Analyst: 9065

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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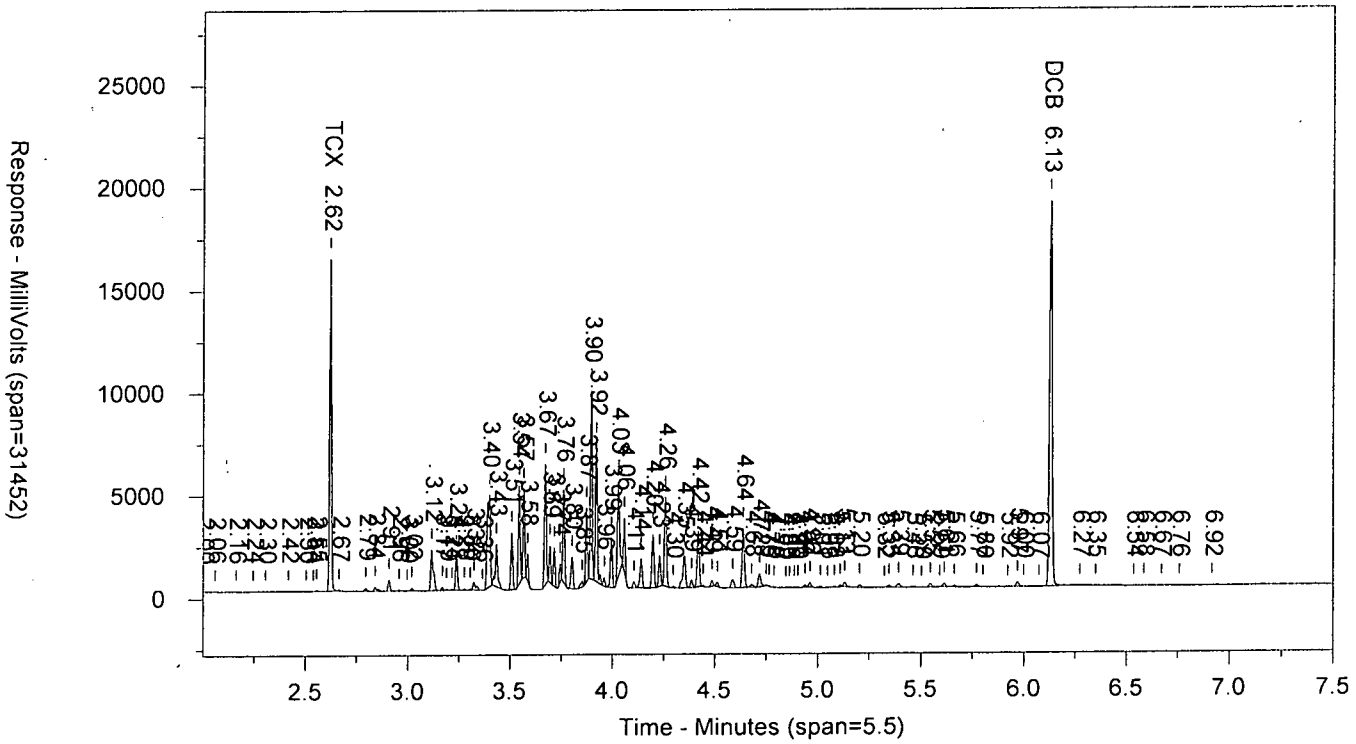

LANCASTER LABORATORIES

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

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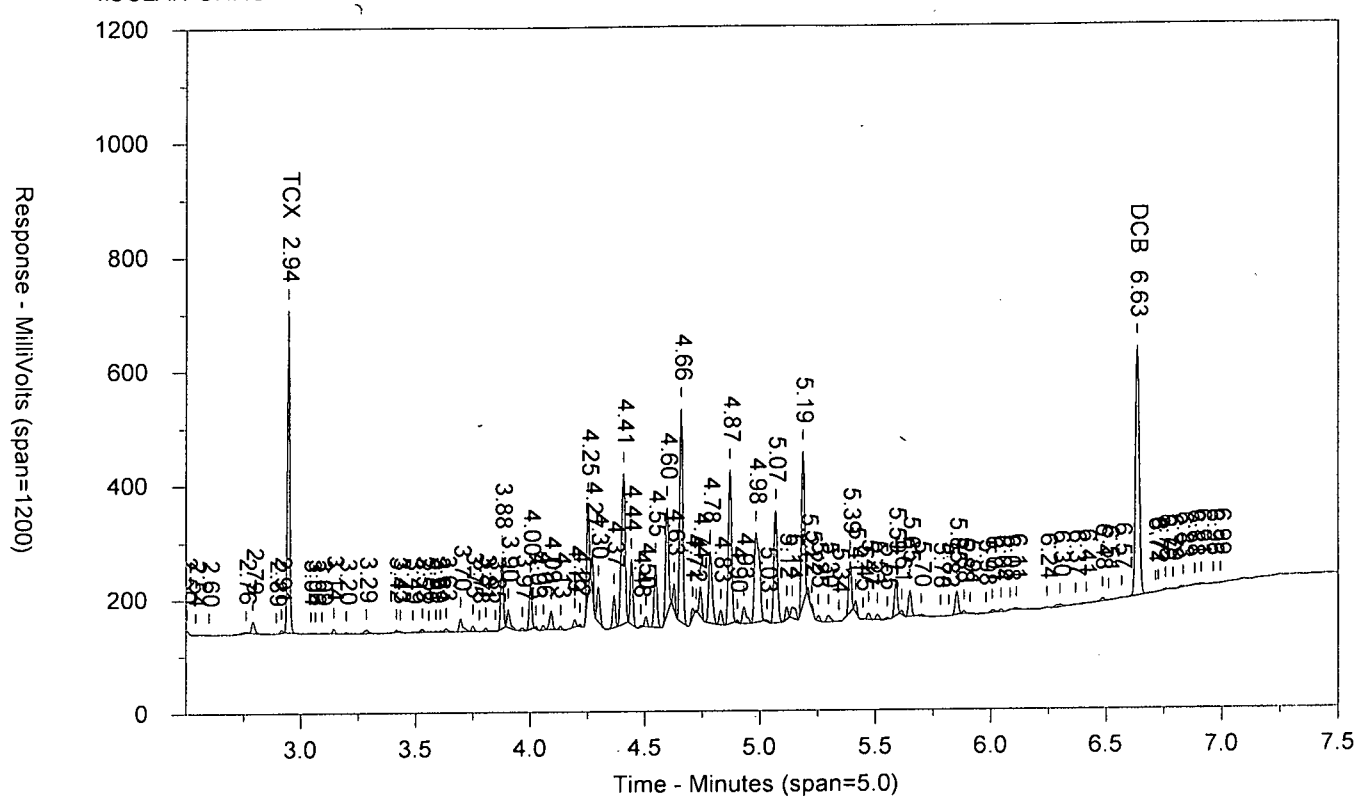

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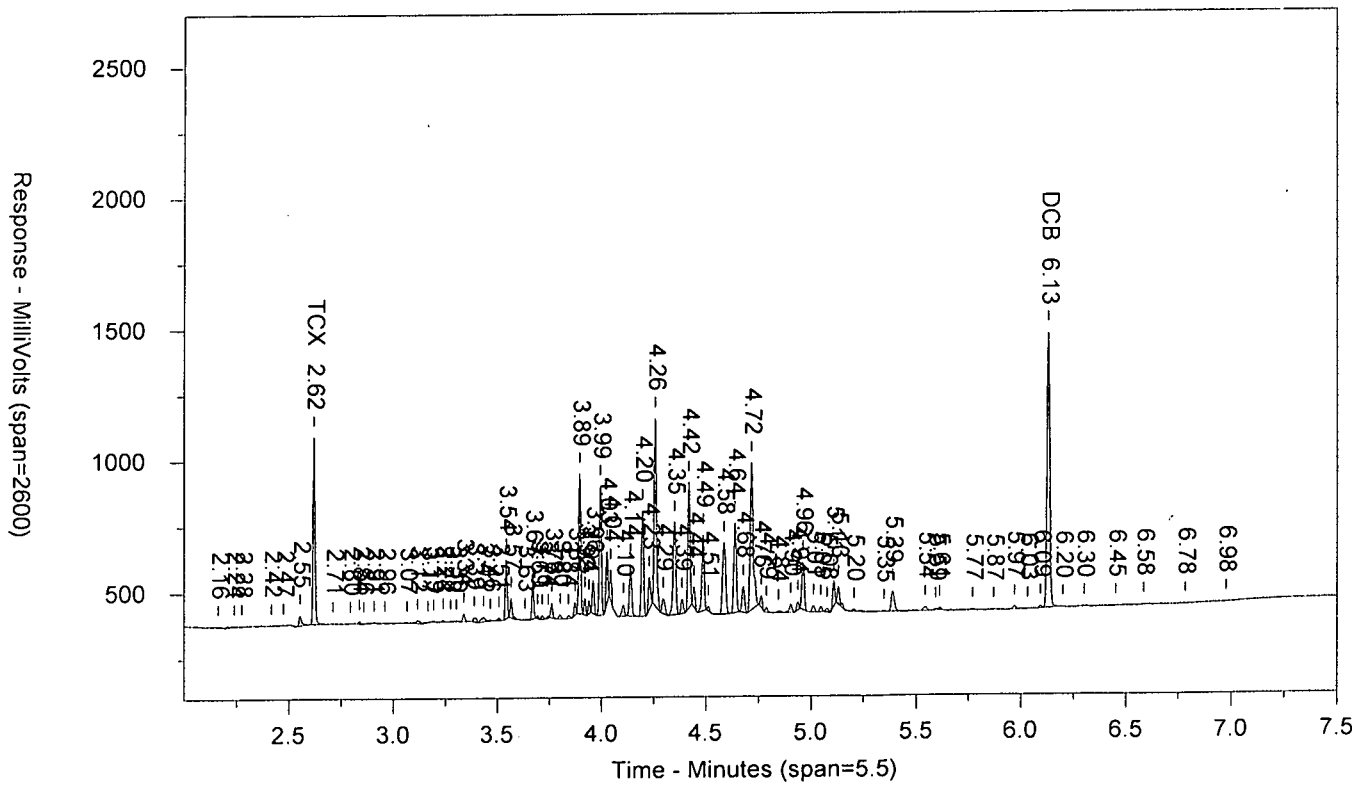

LANCASTER LABORATORIES

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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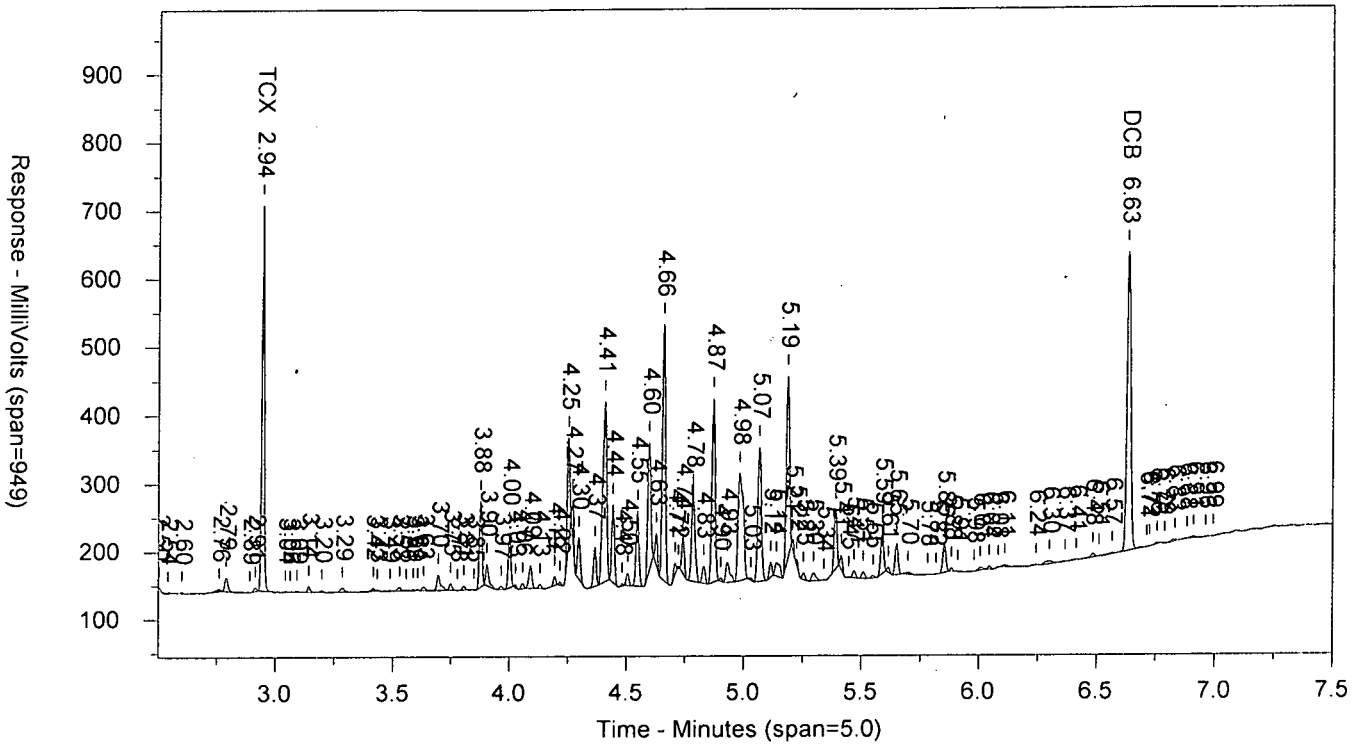

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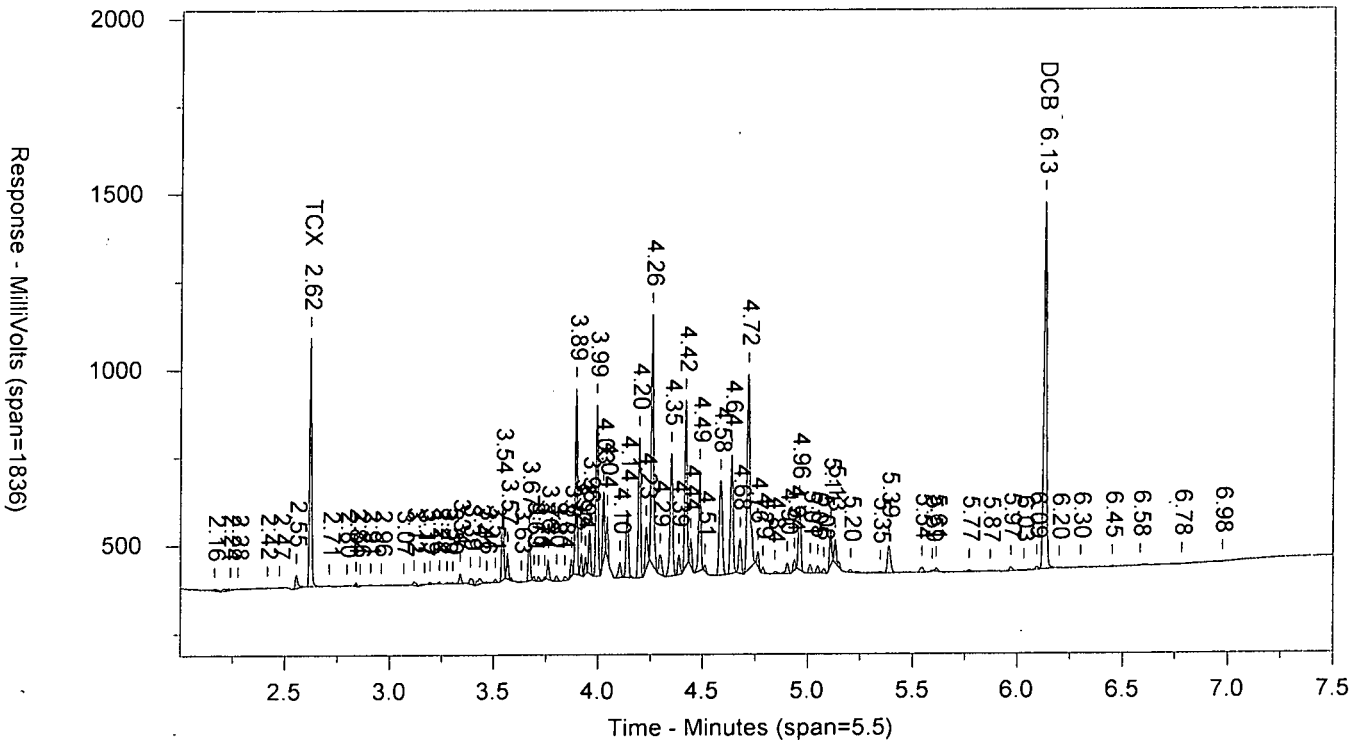

LANCASTER LABORATORIES

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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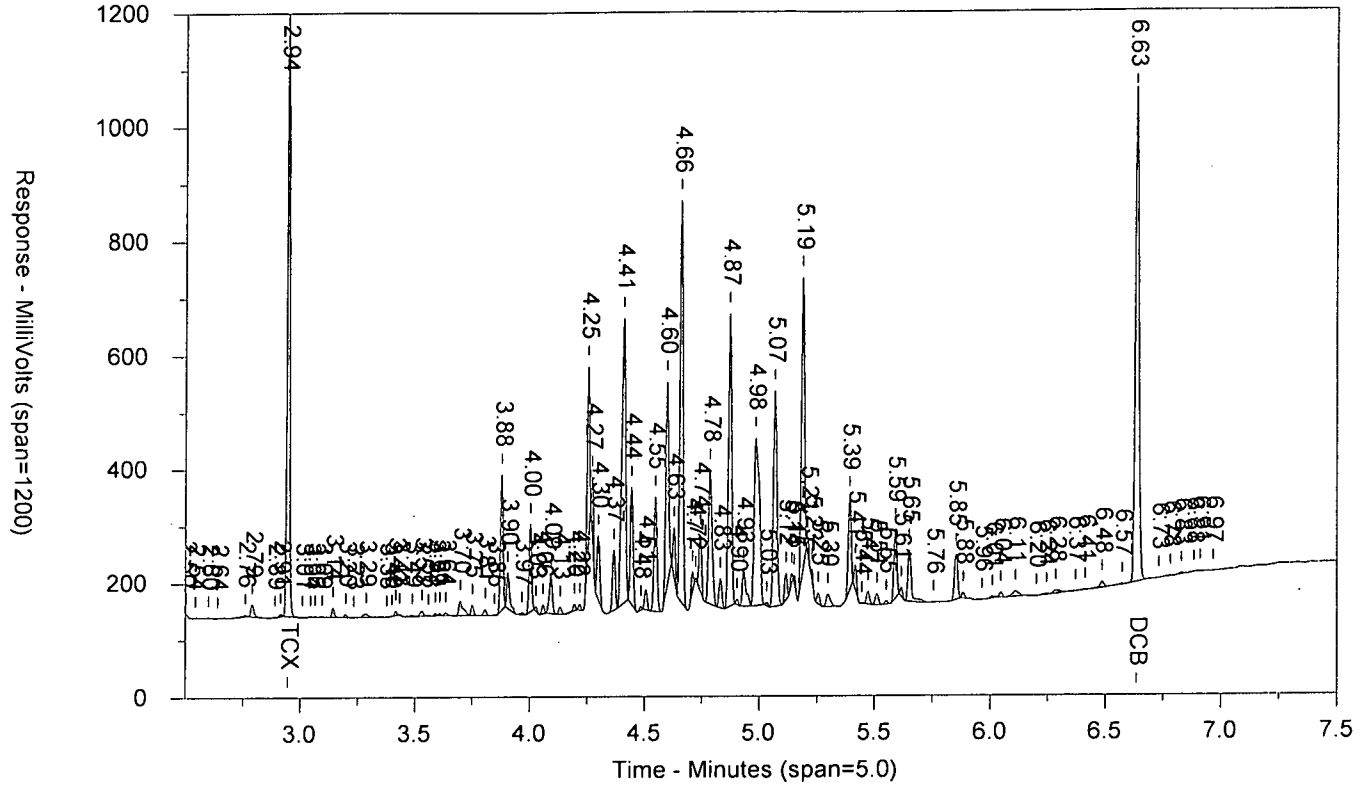

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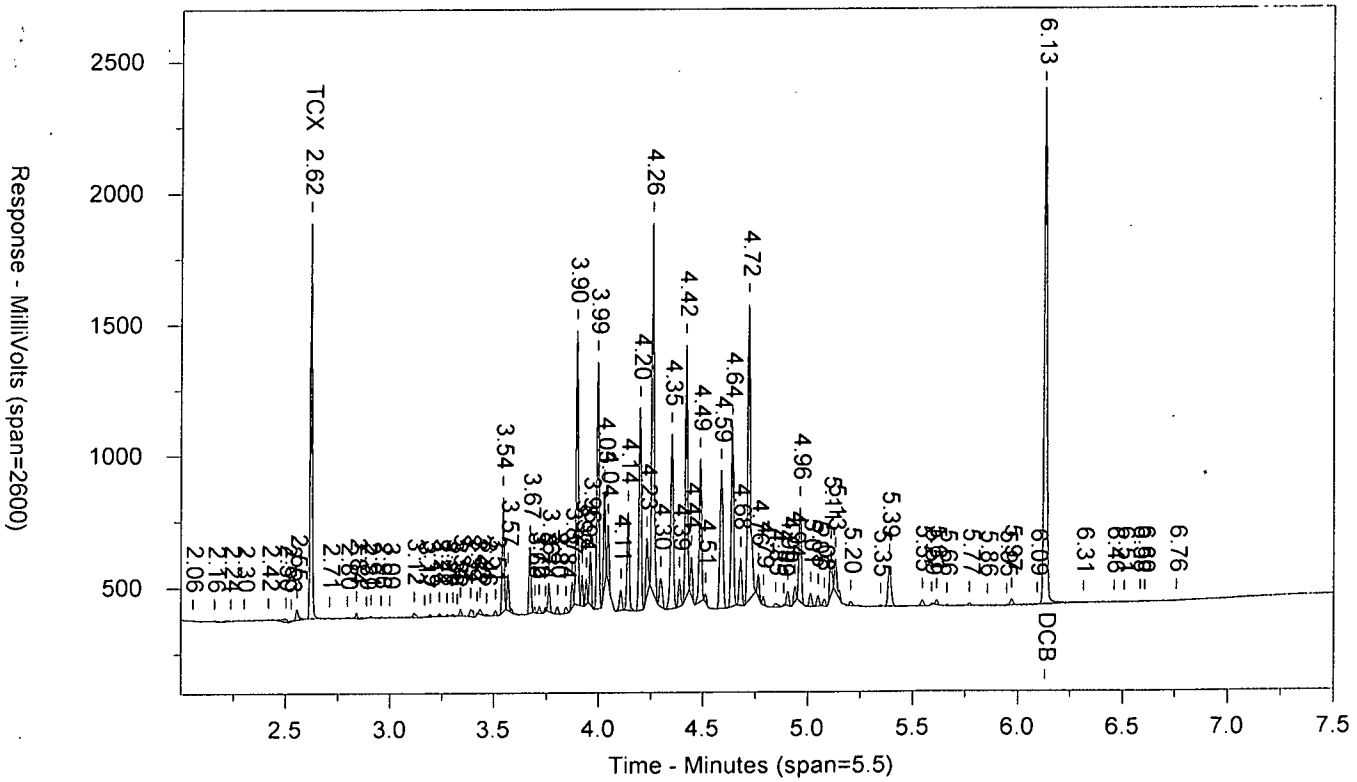

LANCASTER LABORATORIES

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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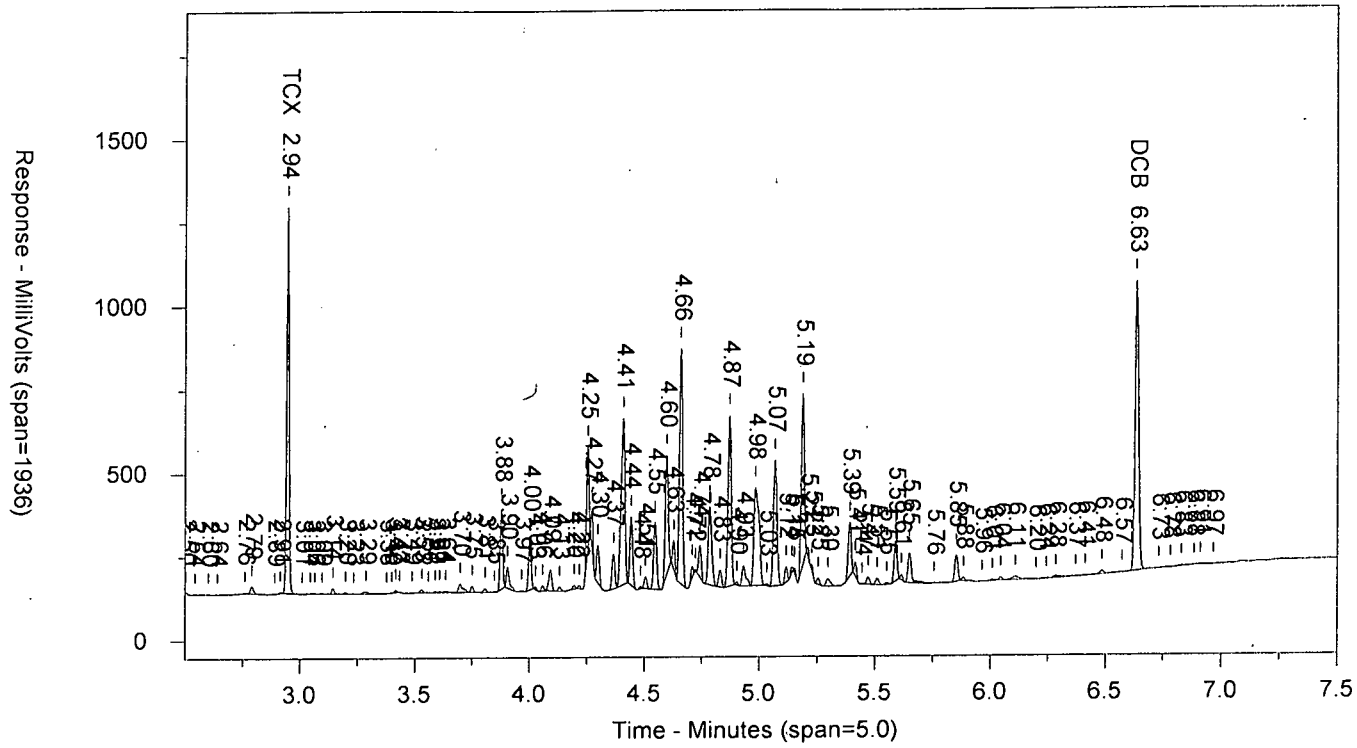

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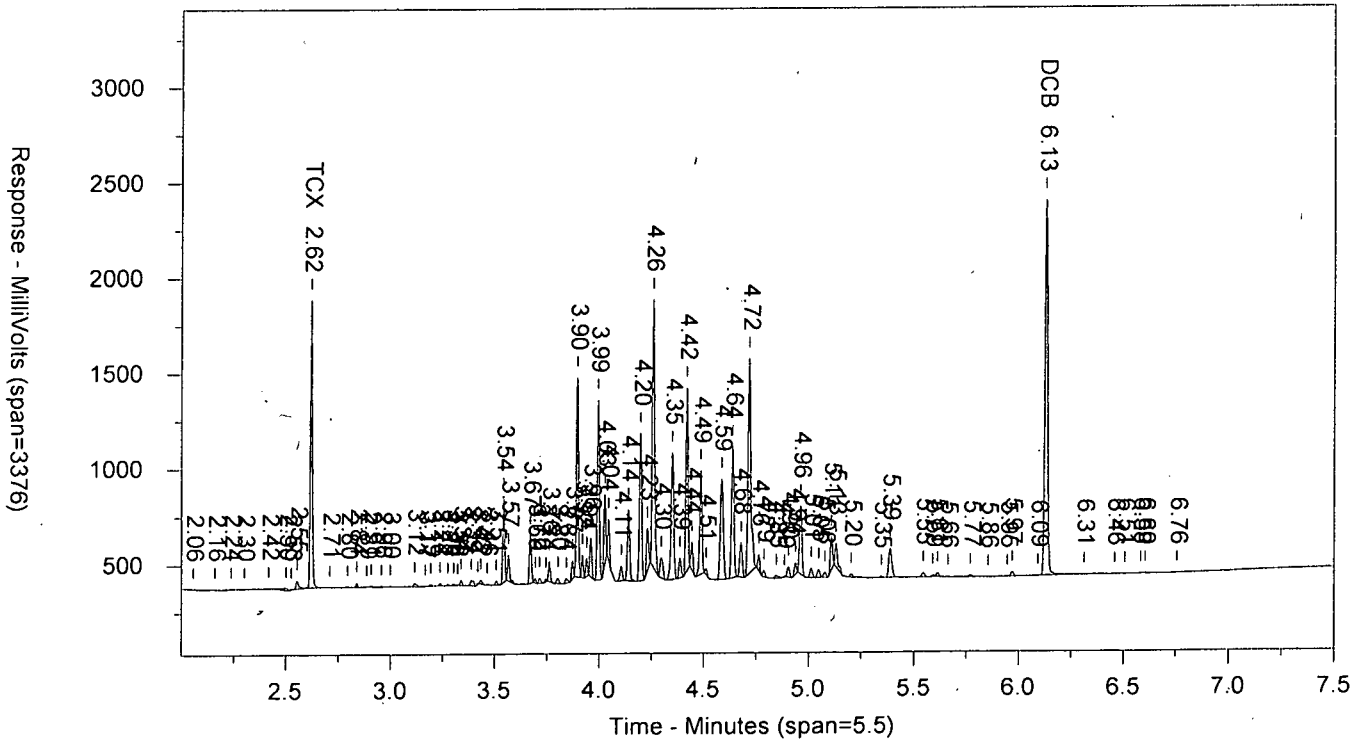

LANCASTER LABORATORIES

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

APR 26 2017

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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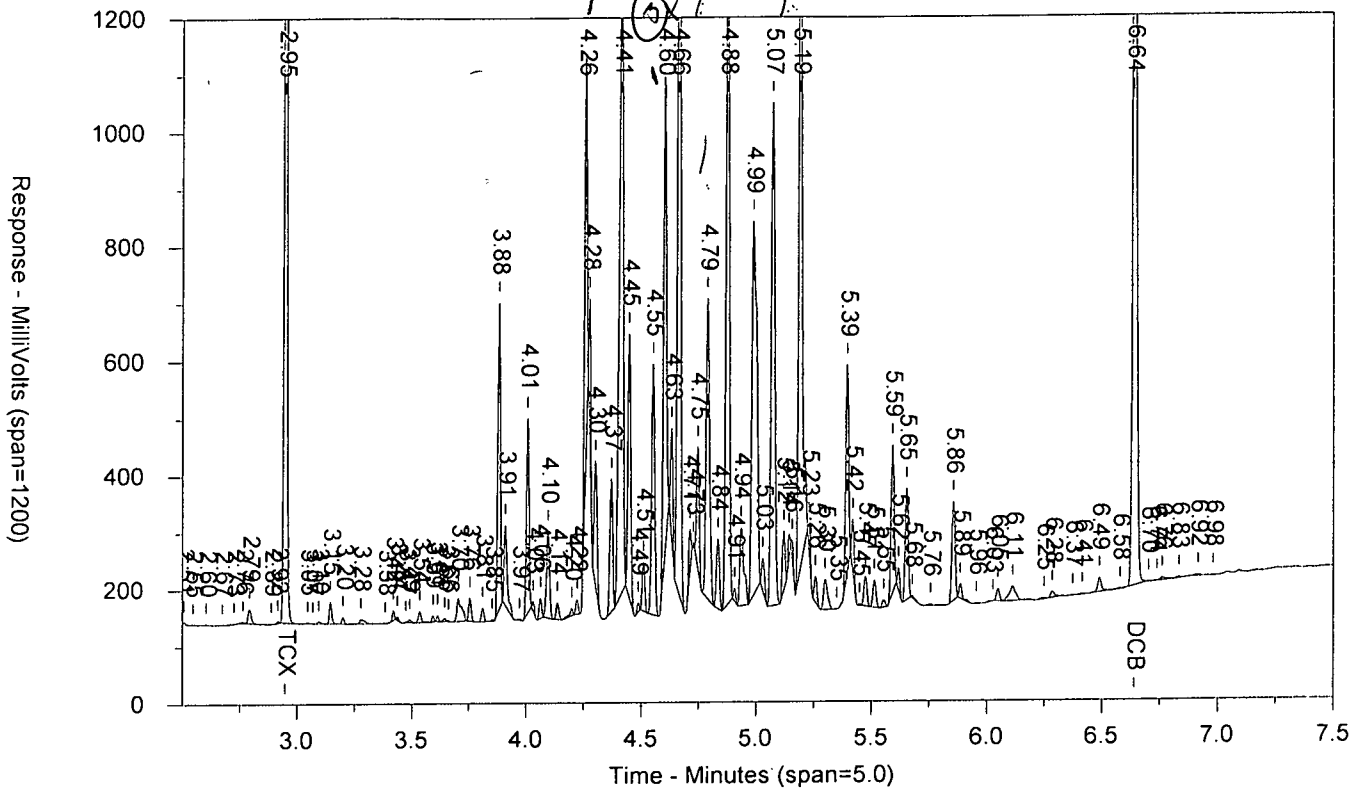

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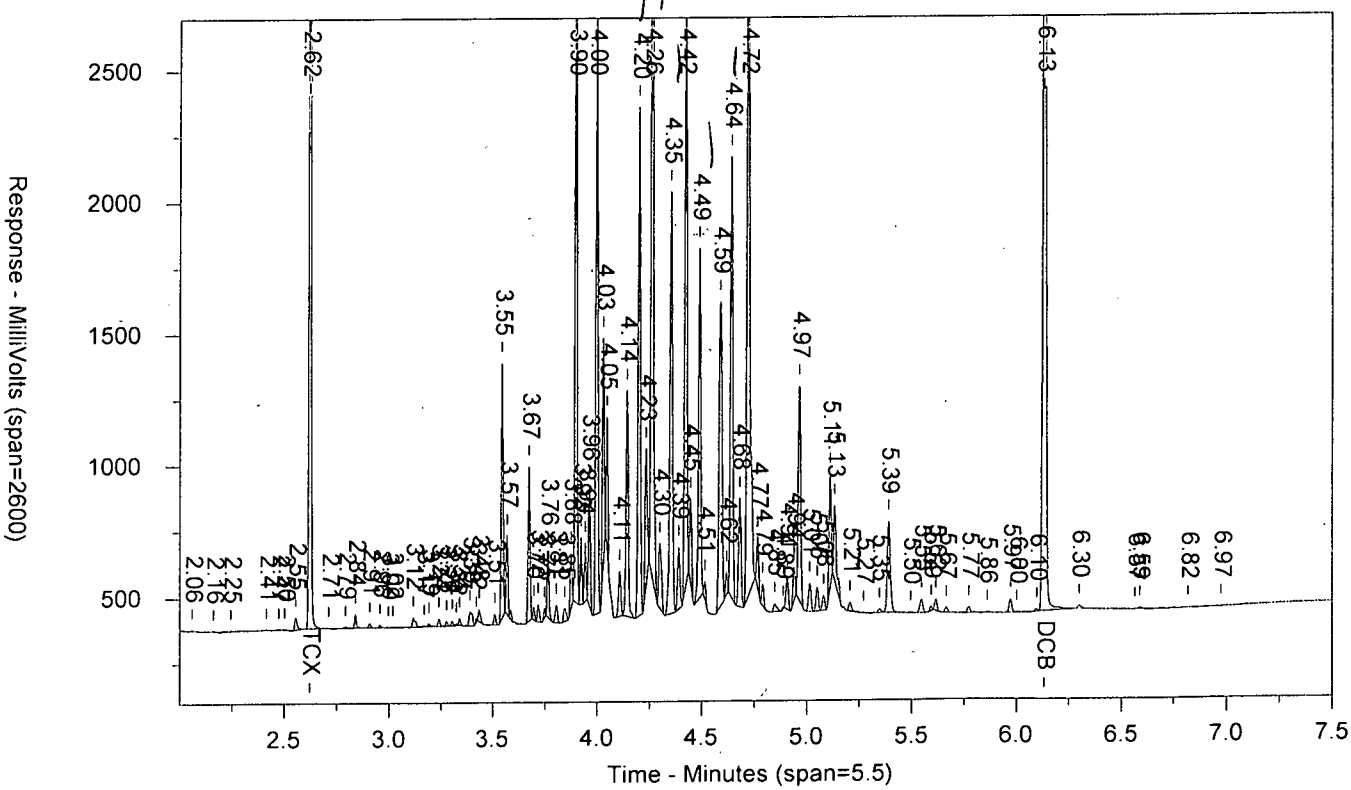

LANCASTER LABORATORIES

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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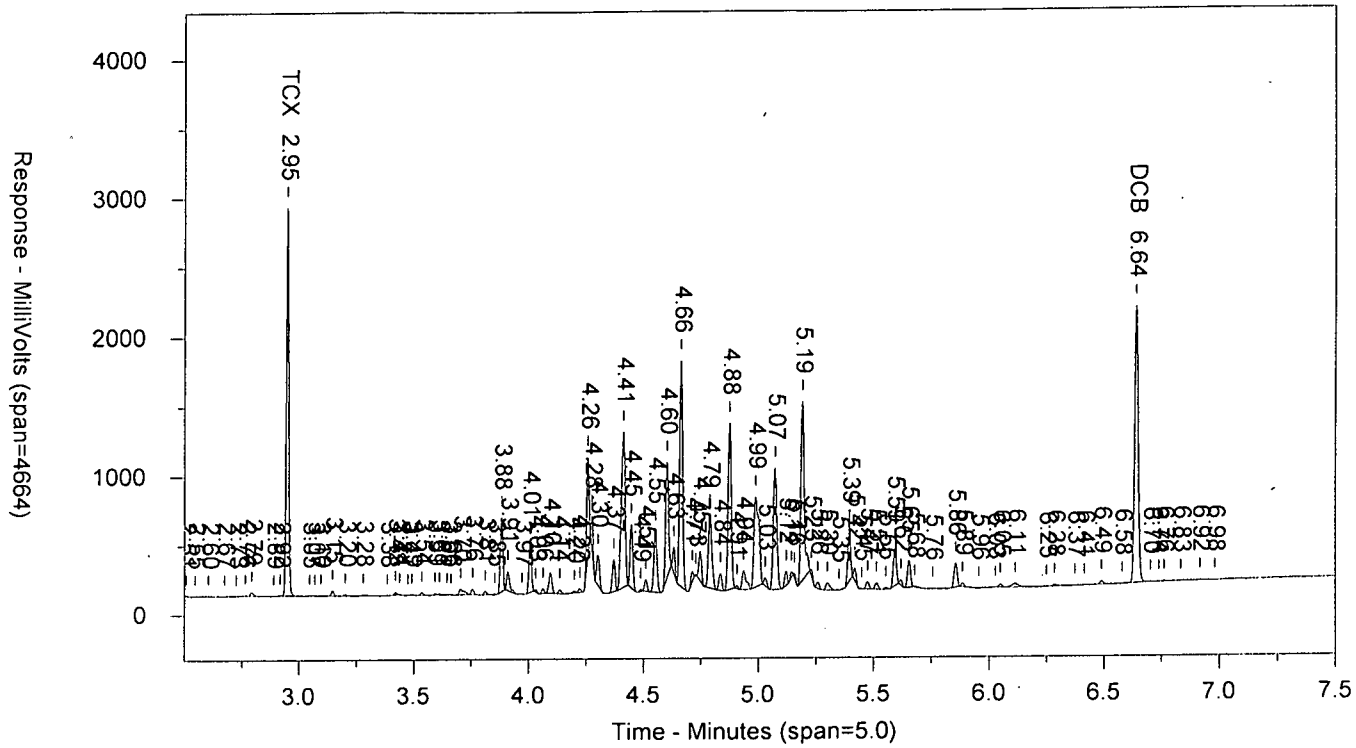

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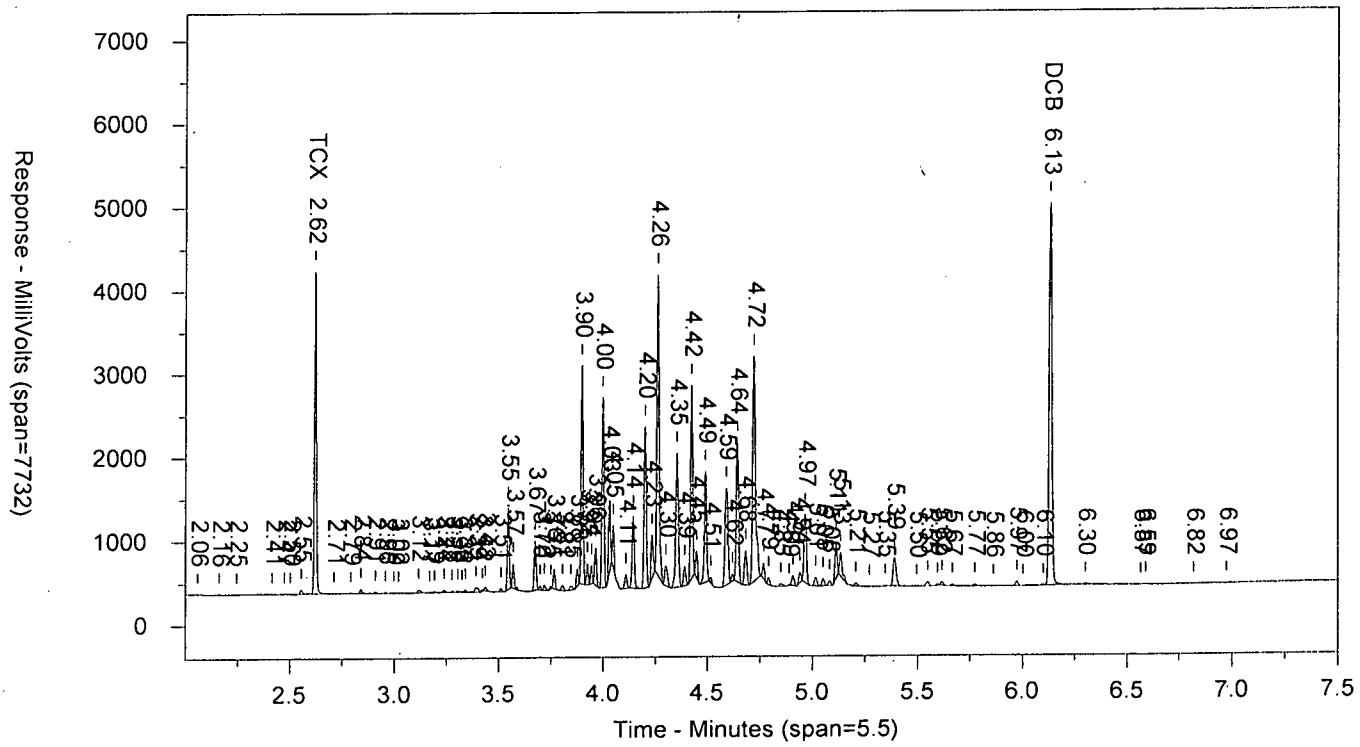


LANCASTER LABORATORIES

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

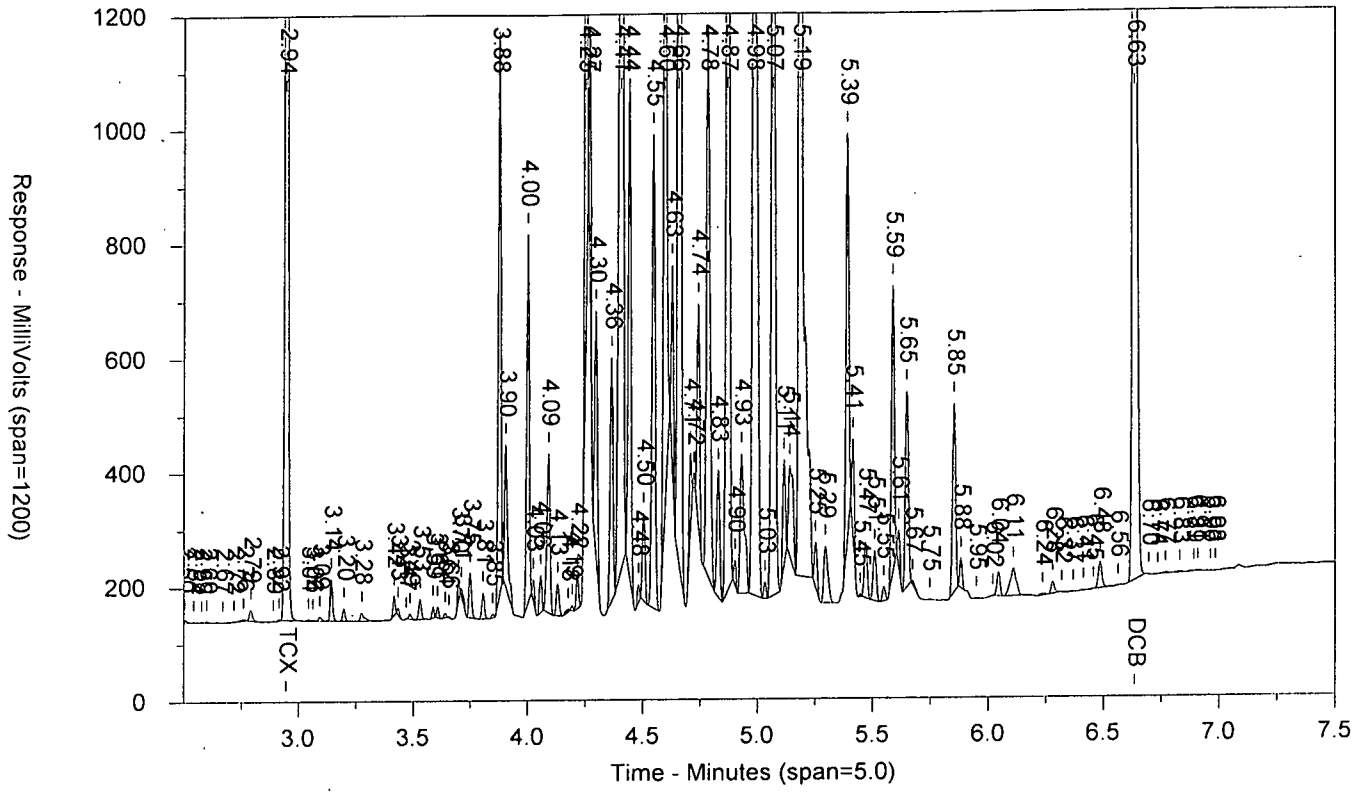
Sample Number: AR5441724A AAAR544AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 5:16:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
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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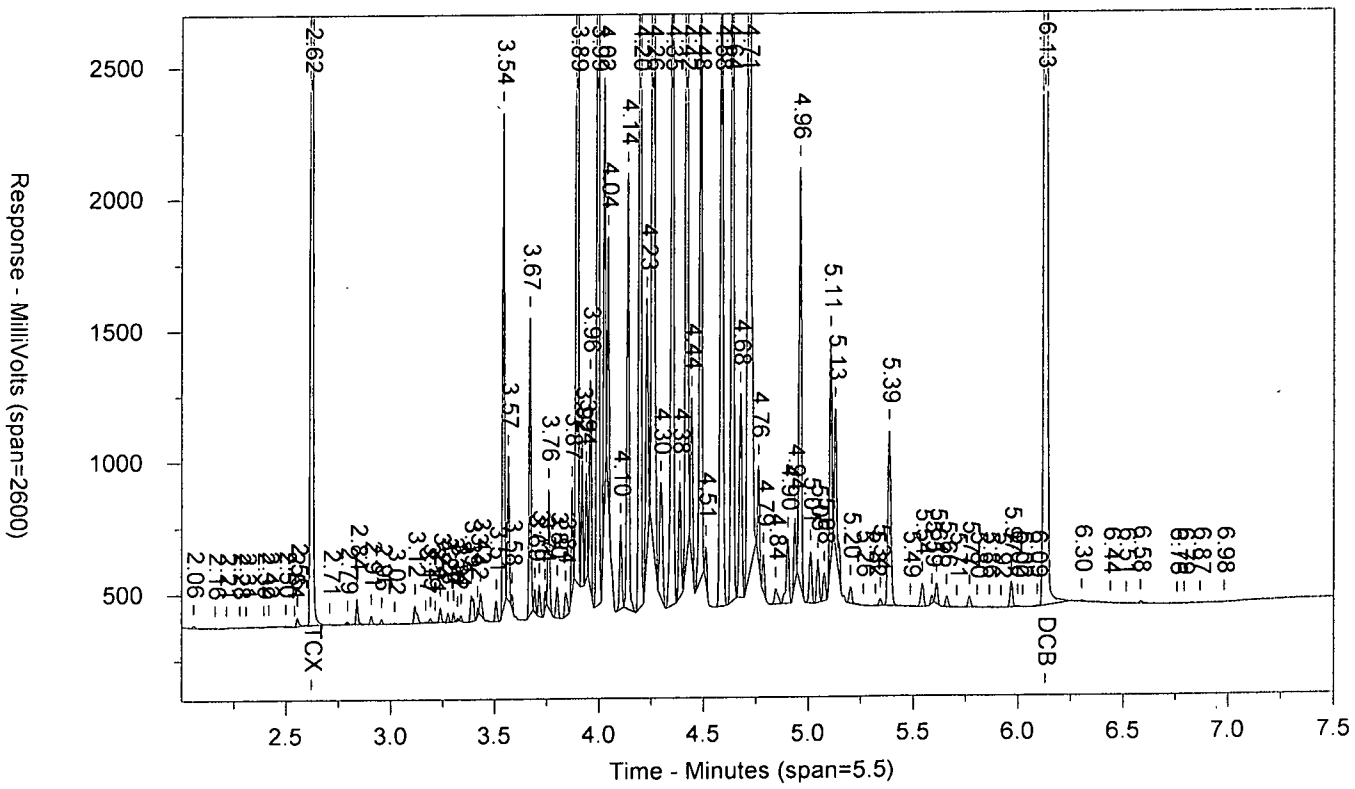

LANCASTER LABORATORIES

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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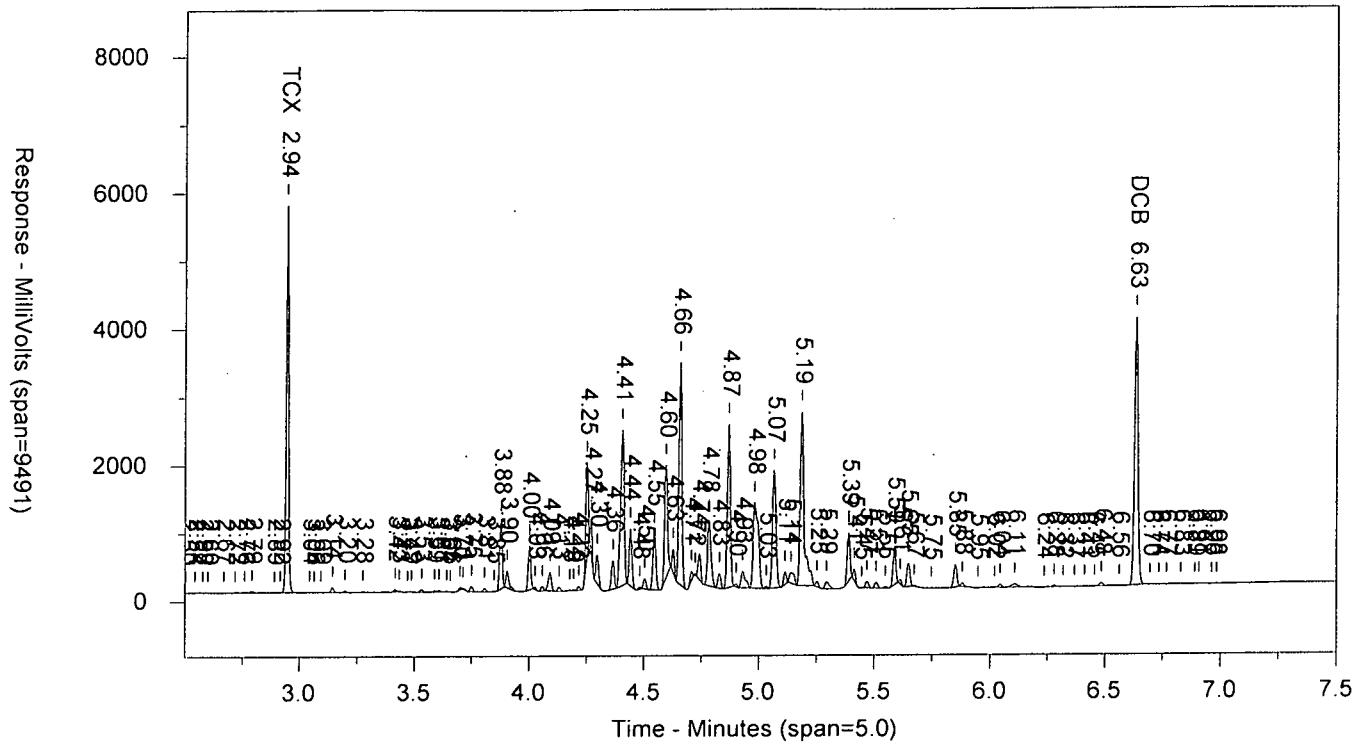

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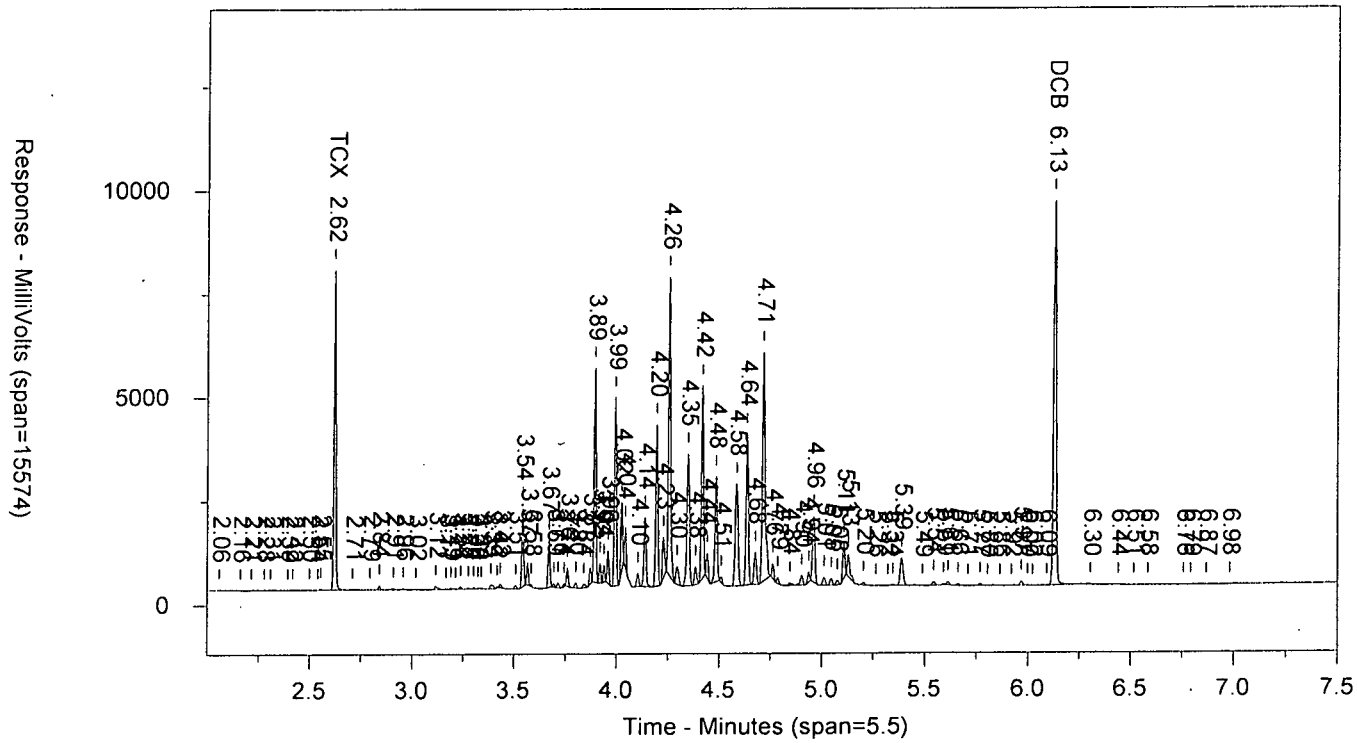

LANCASTER LABORATORIES

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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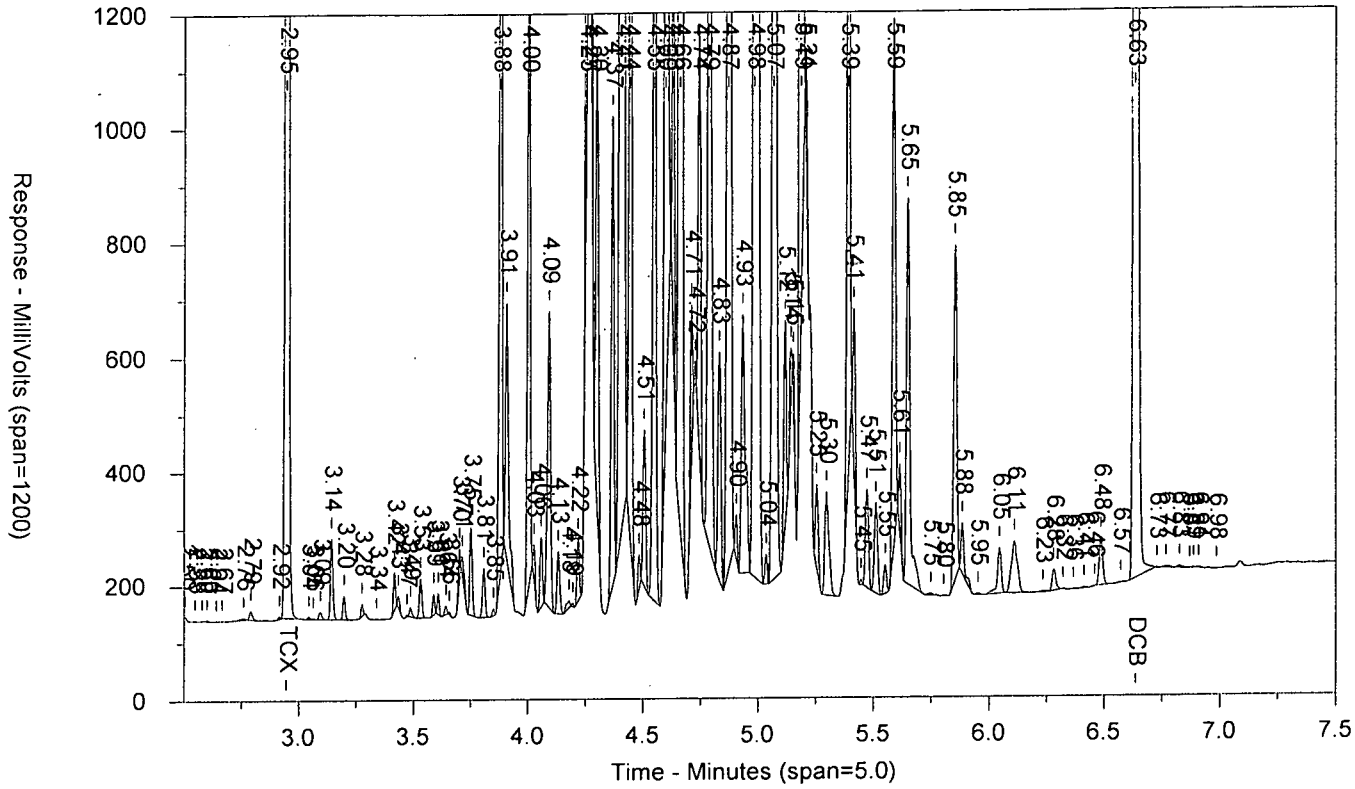

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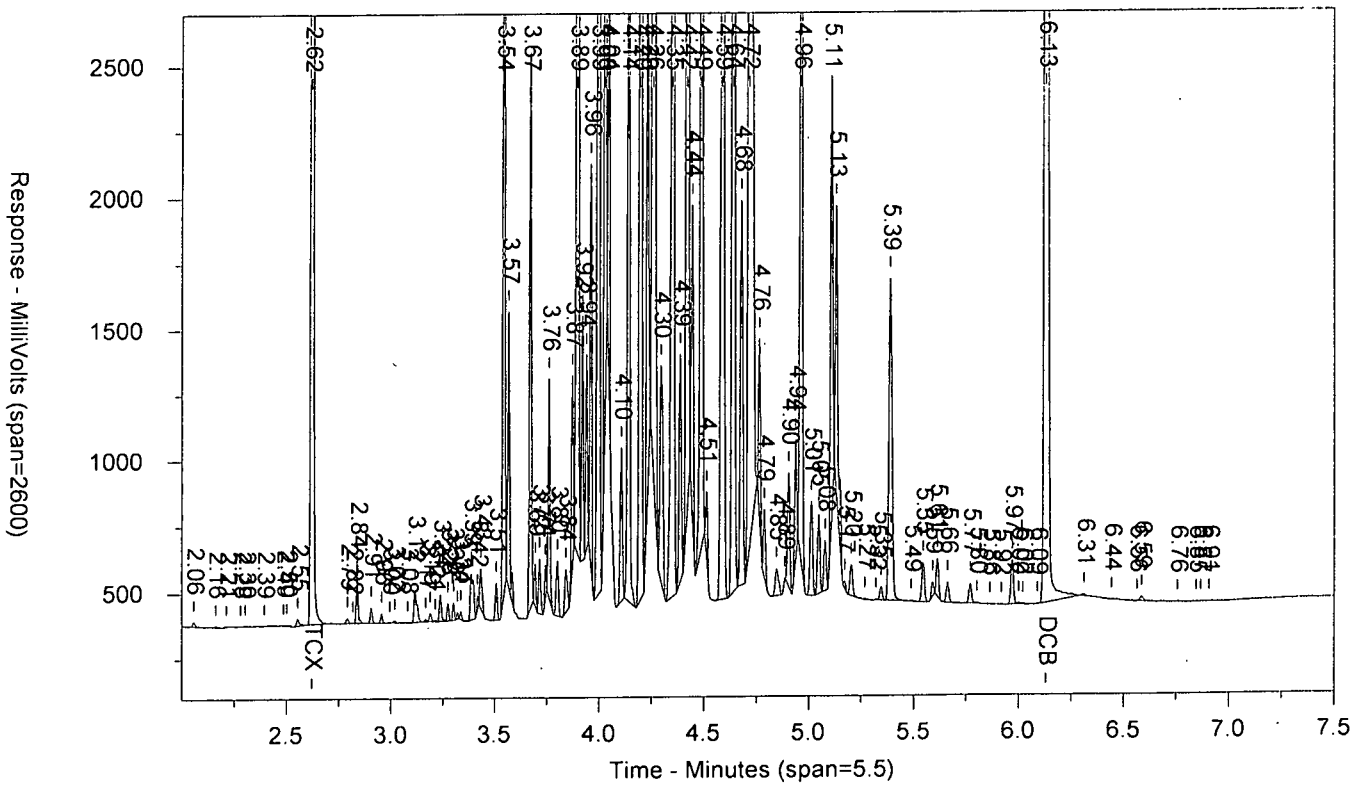

LANCASTER LABORATORIES

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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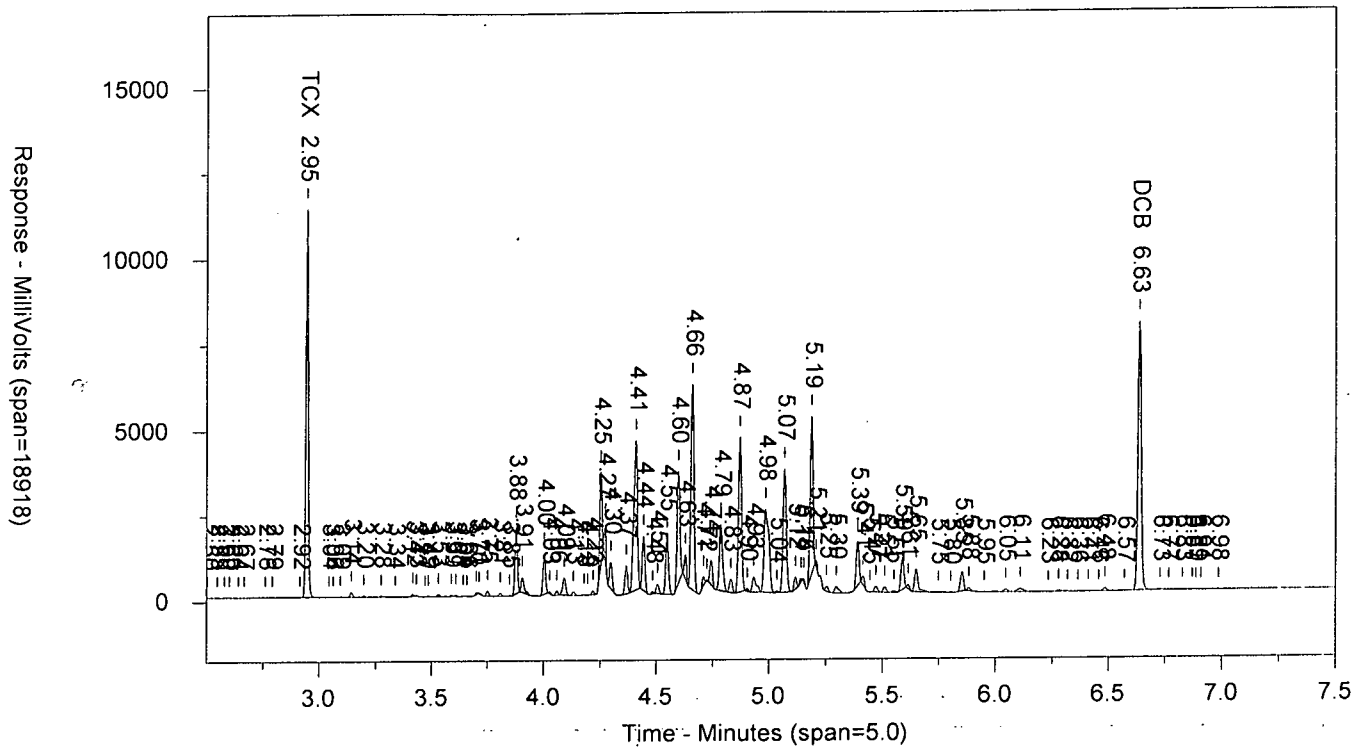

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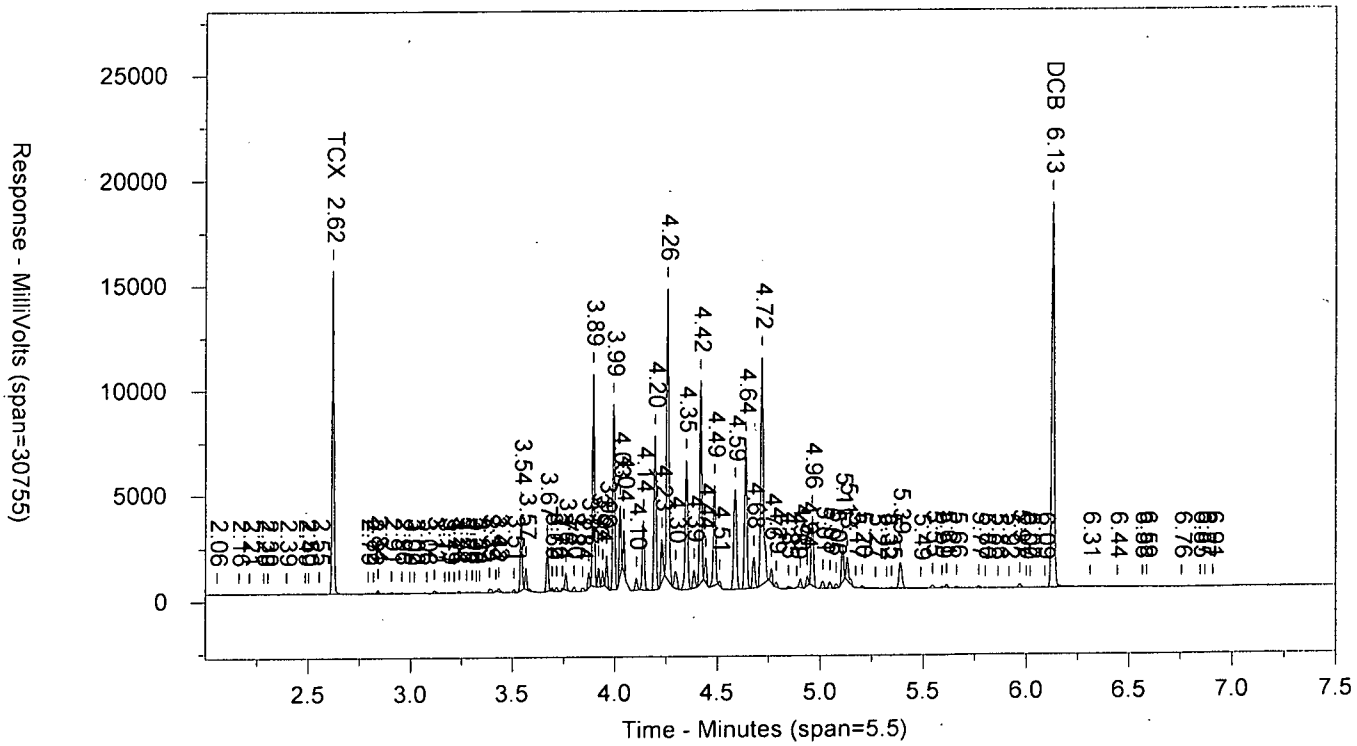

LANCASTER LABORATORIES

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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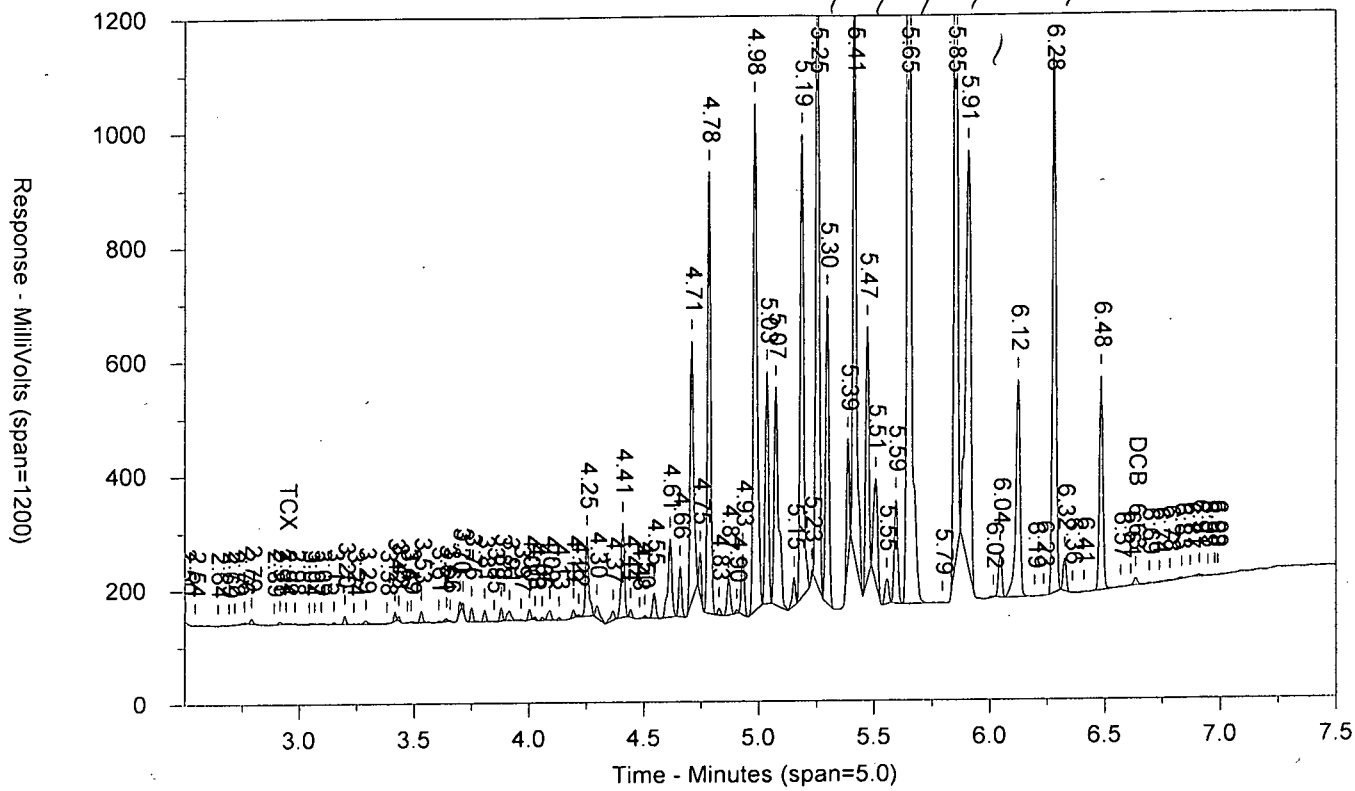

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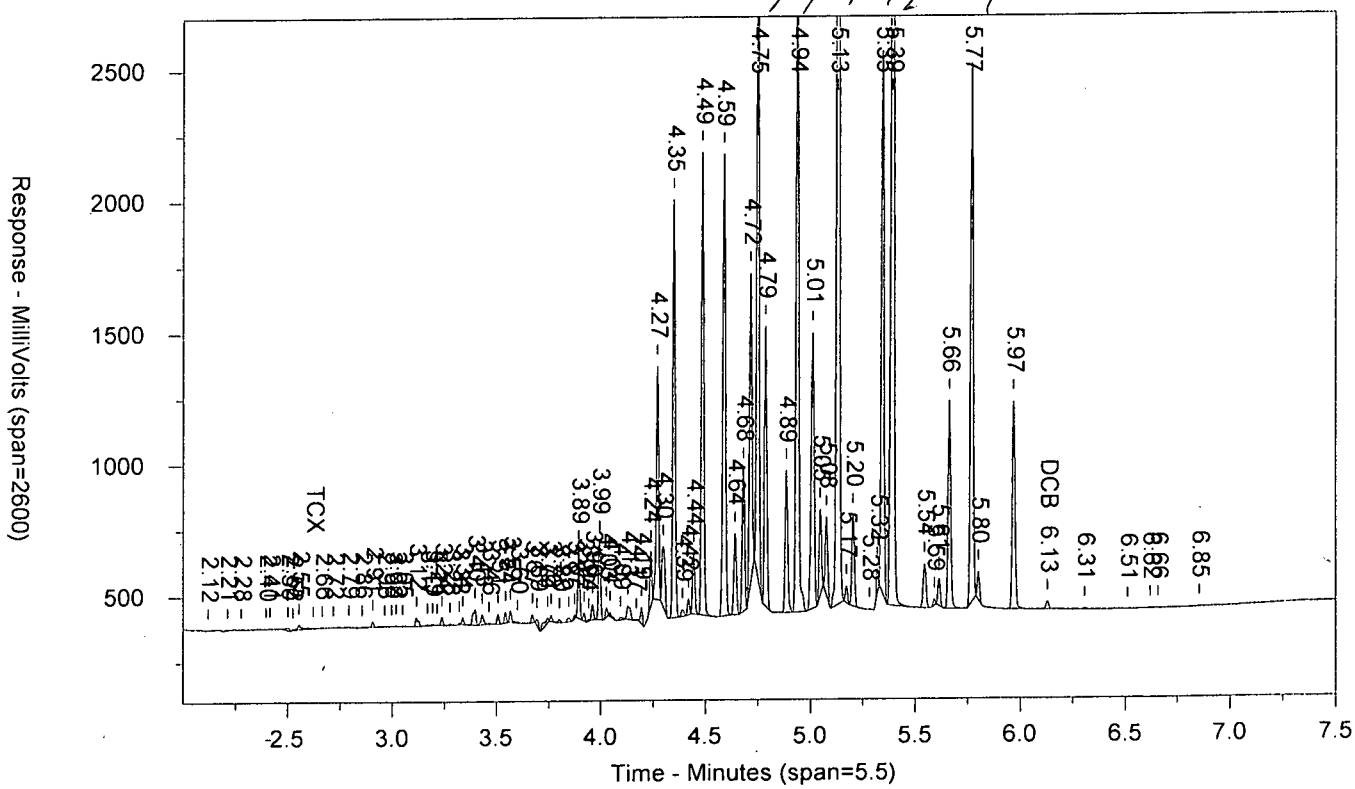

LANCASTER LABORATORIES

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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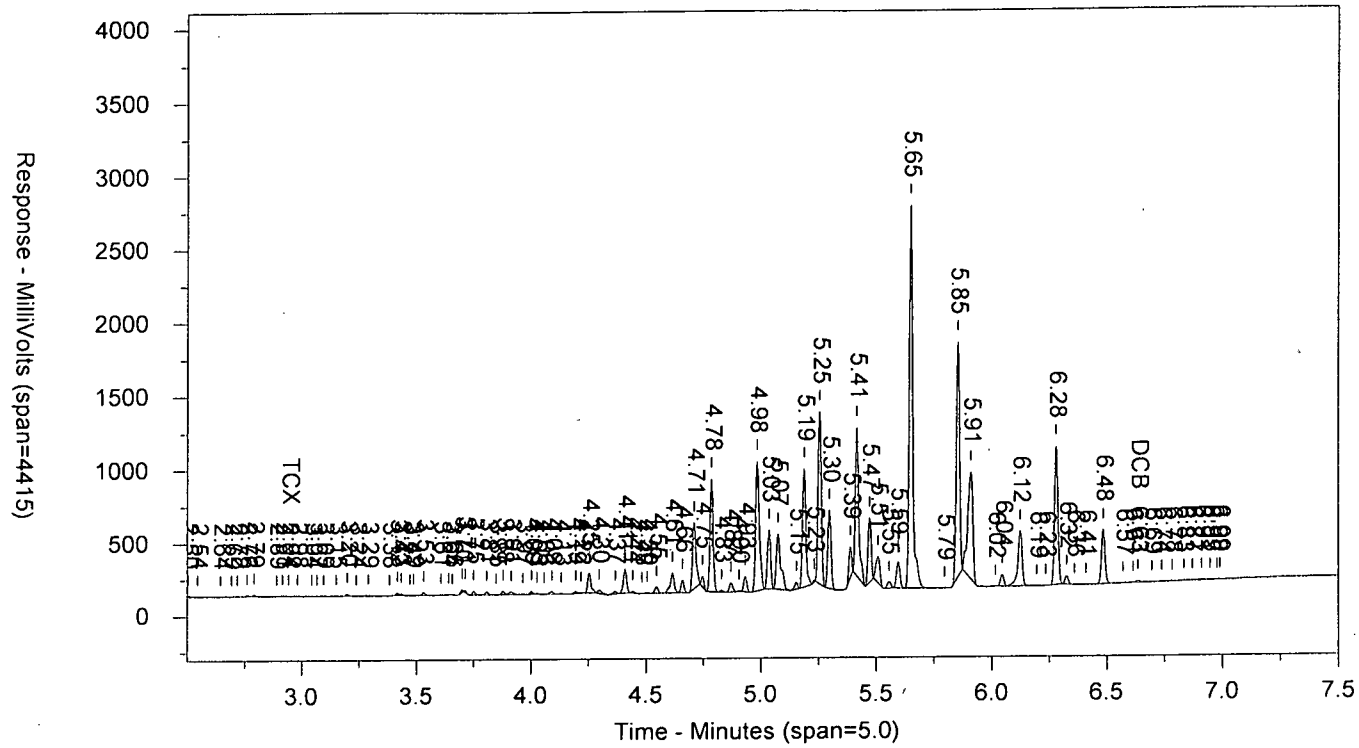

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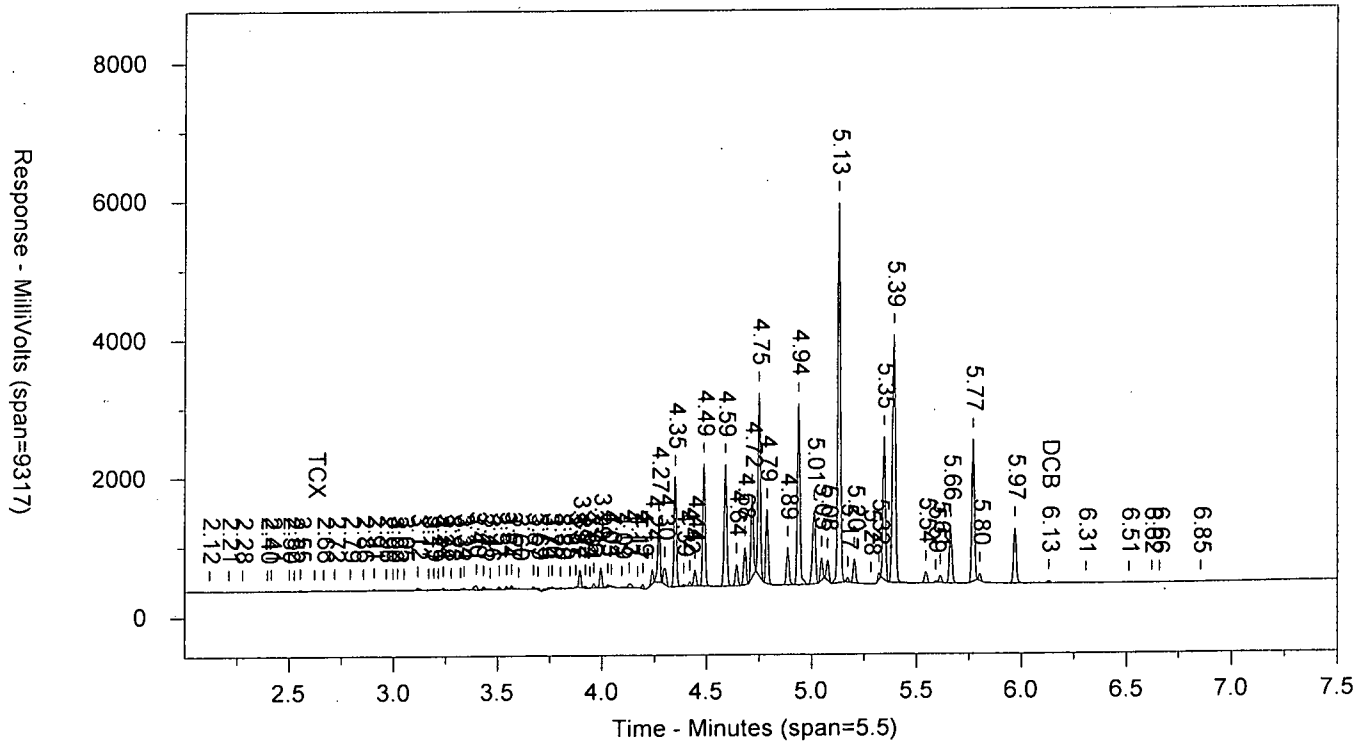

LANCASTER LABORATORIES

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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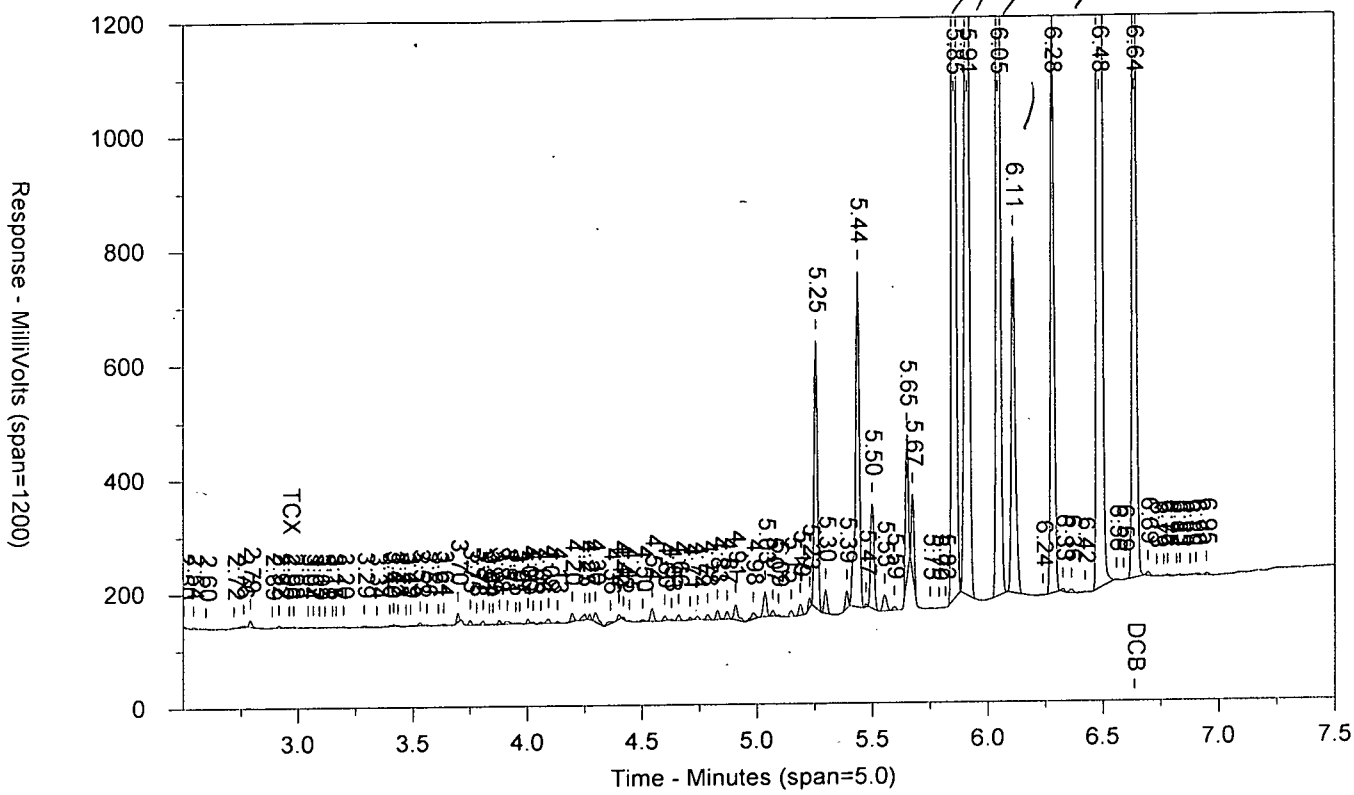

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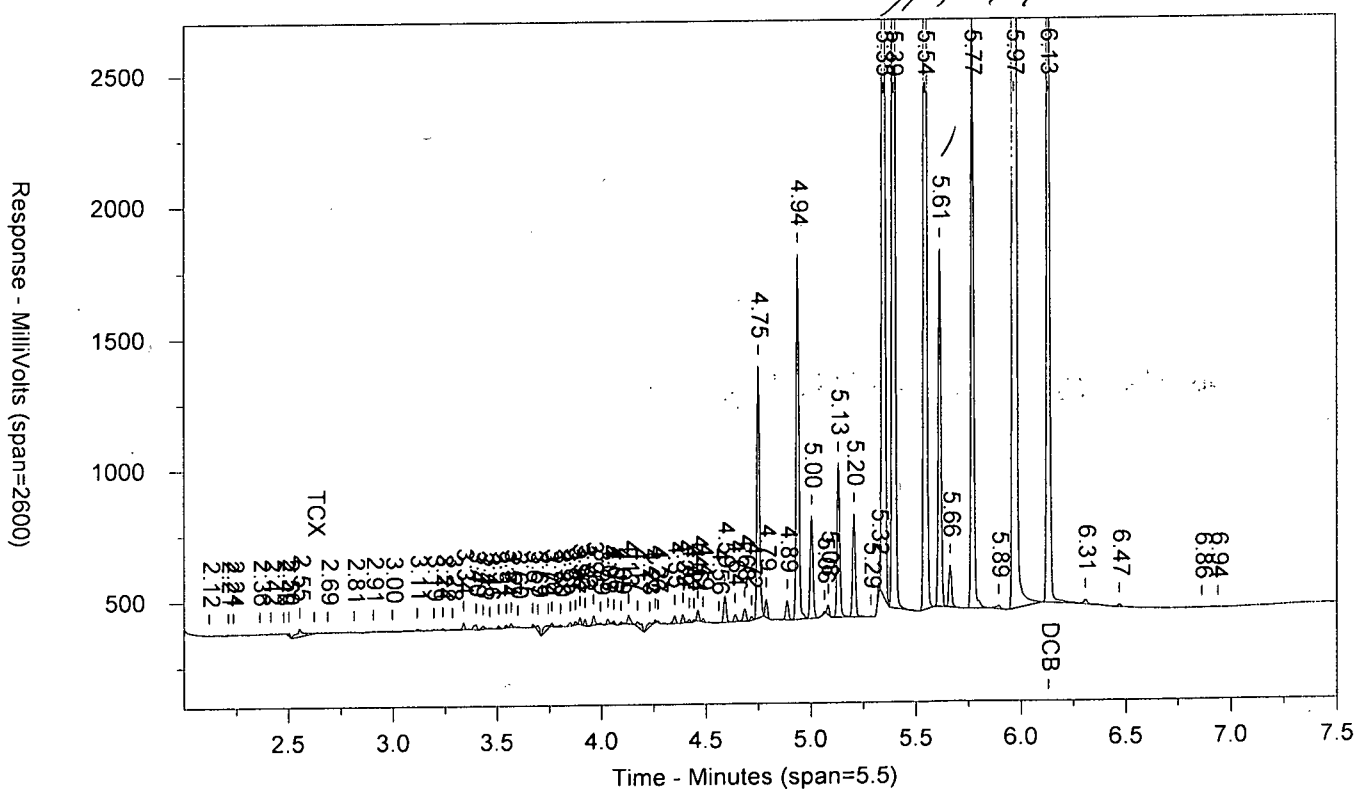

LANCASTER LABORATORIES

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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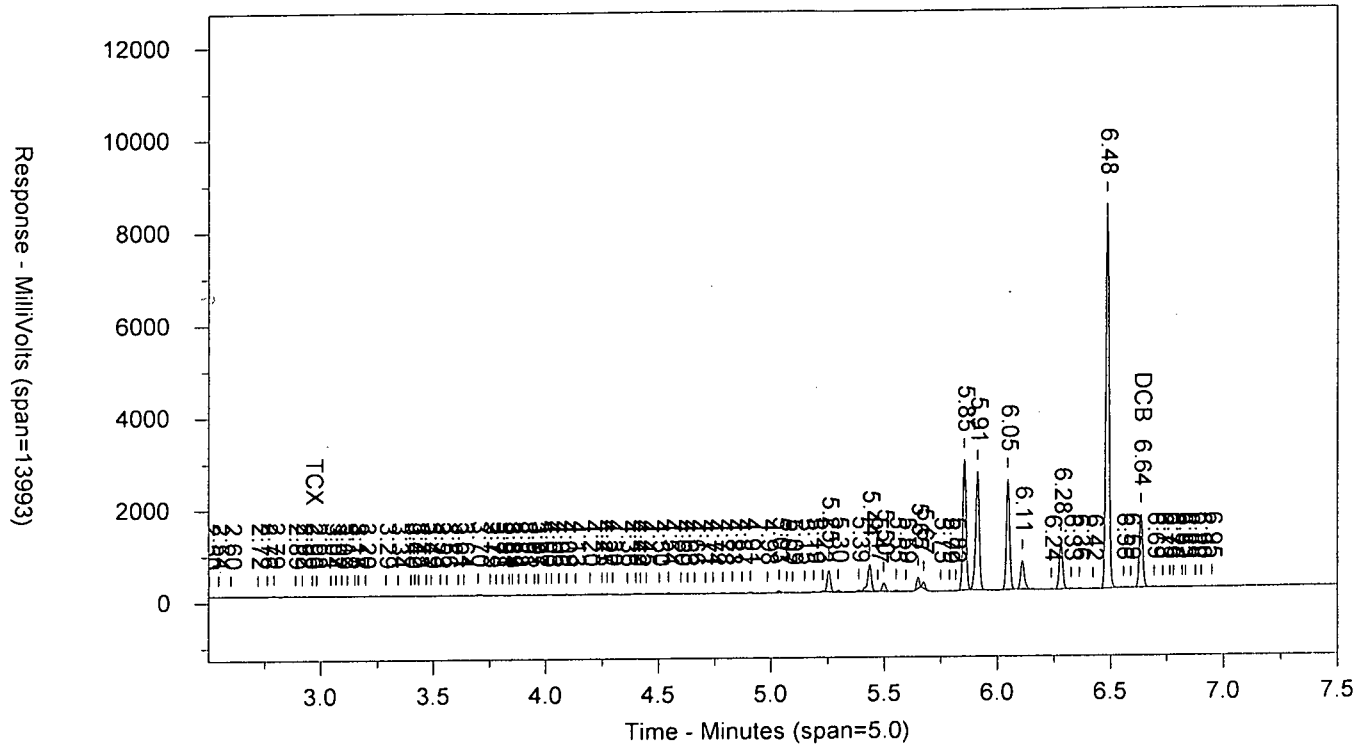

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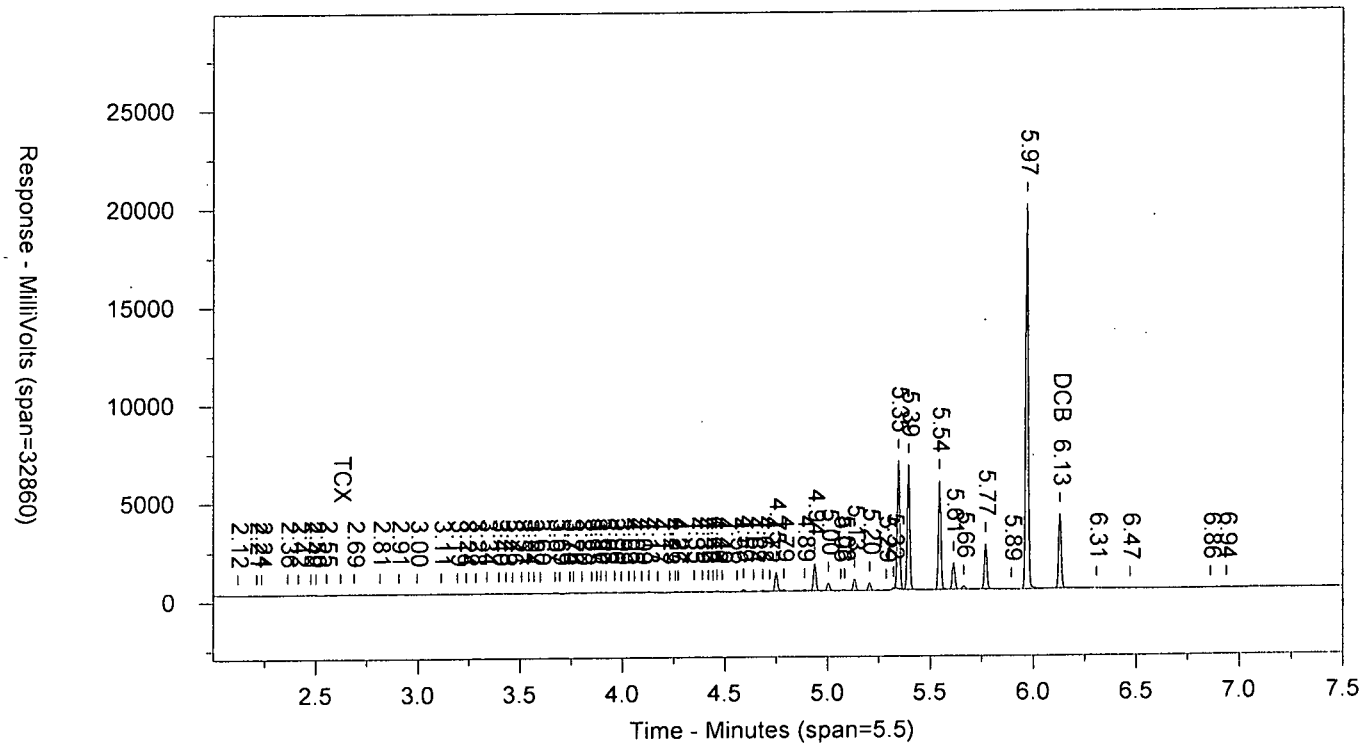


LANCASTER LABORATORIES

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

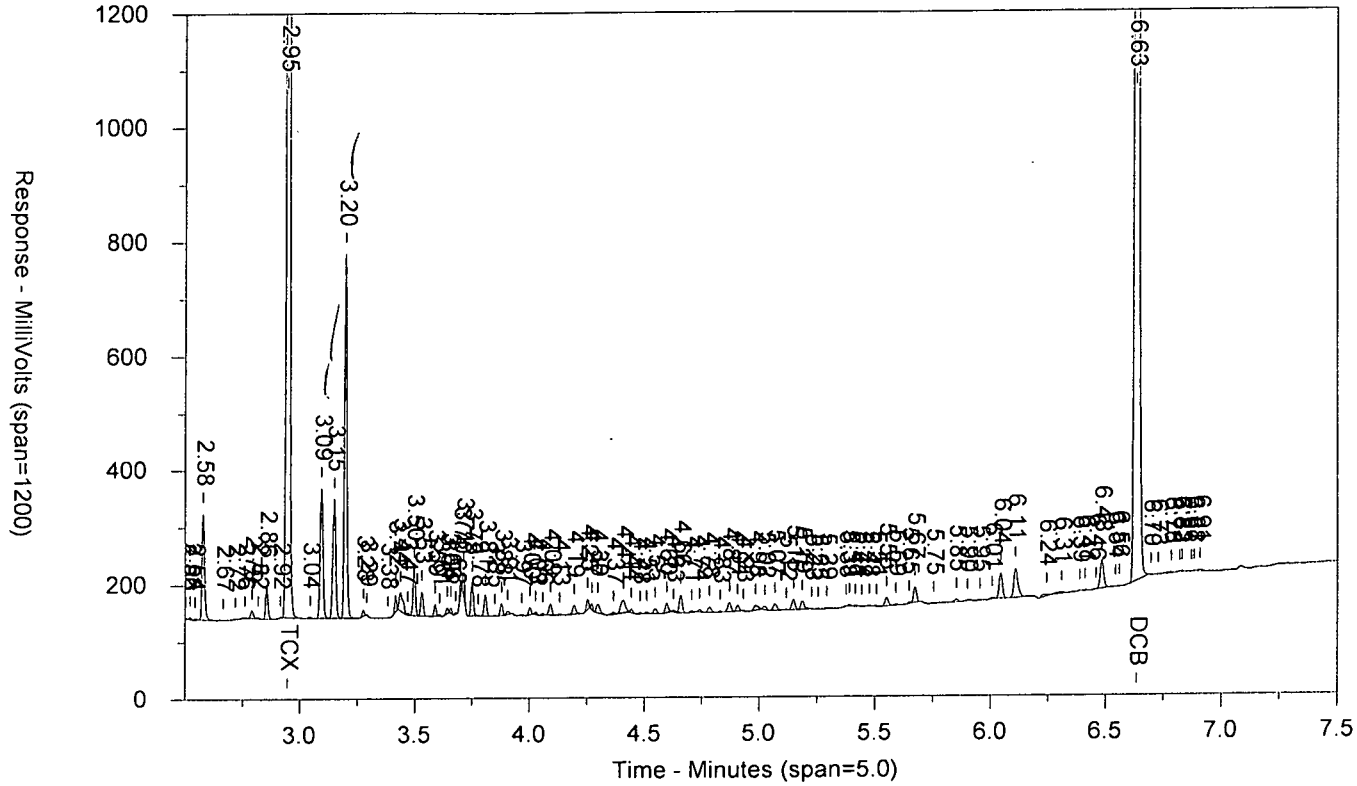
Sample Number: AR2131724A AAAR213AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:02:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
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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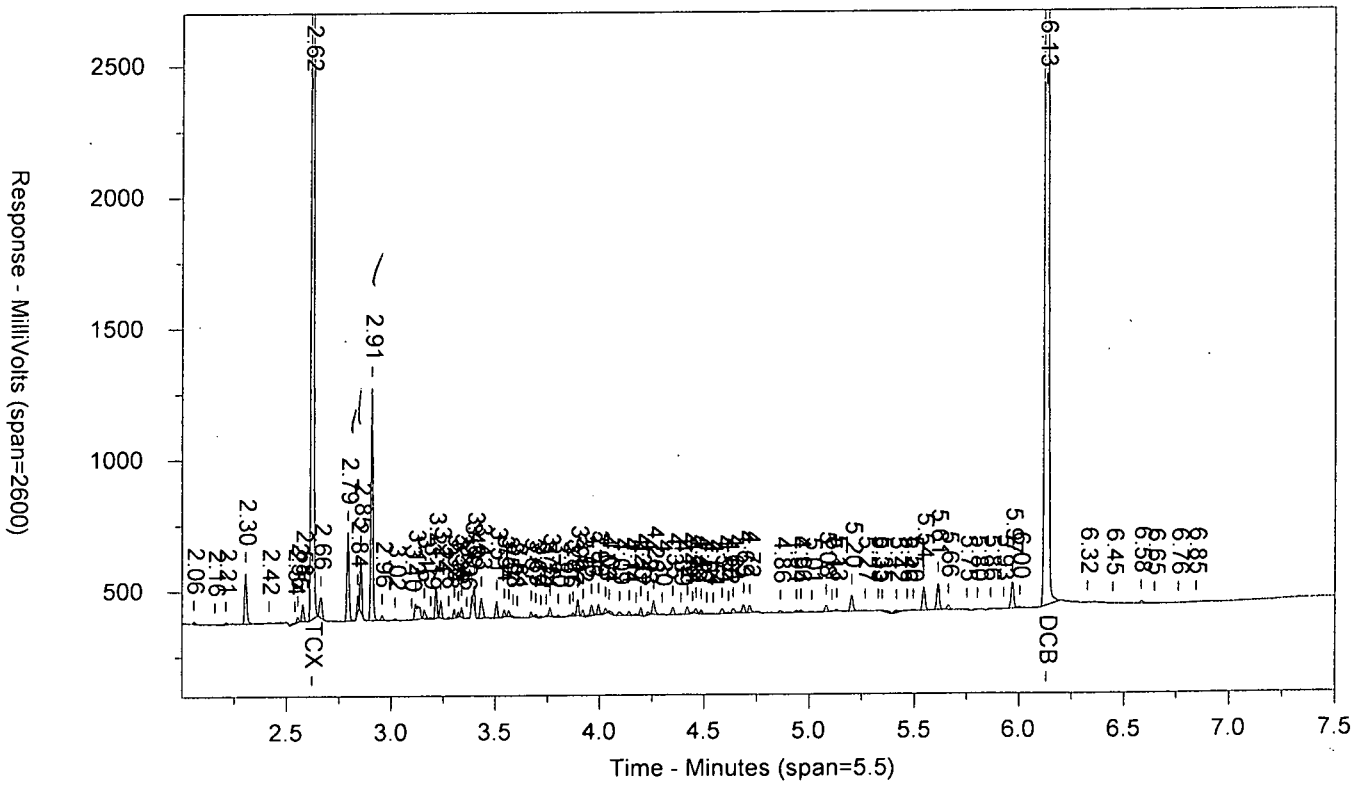

LANCASTER LABORATORIES

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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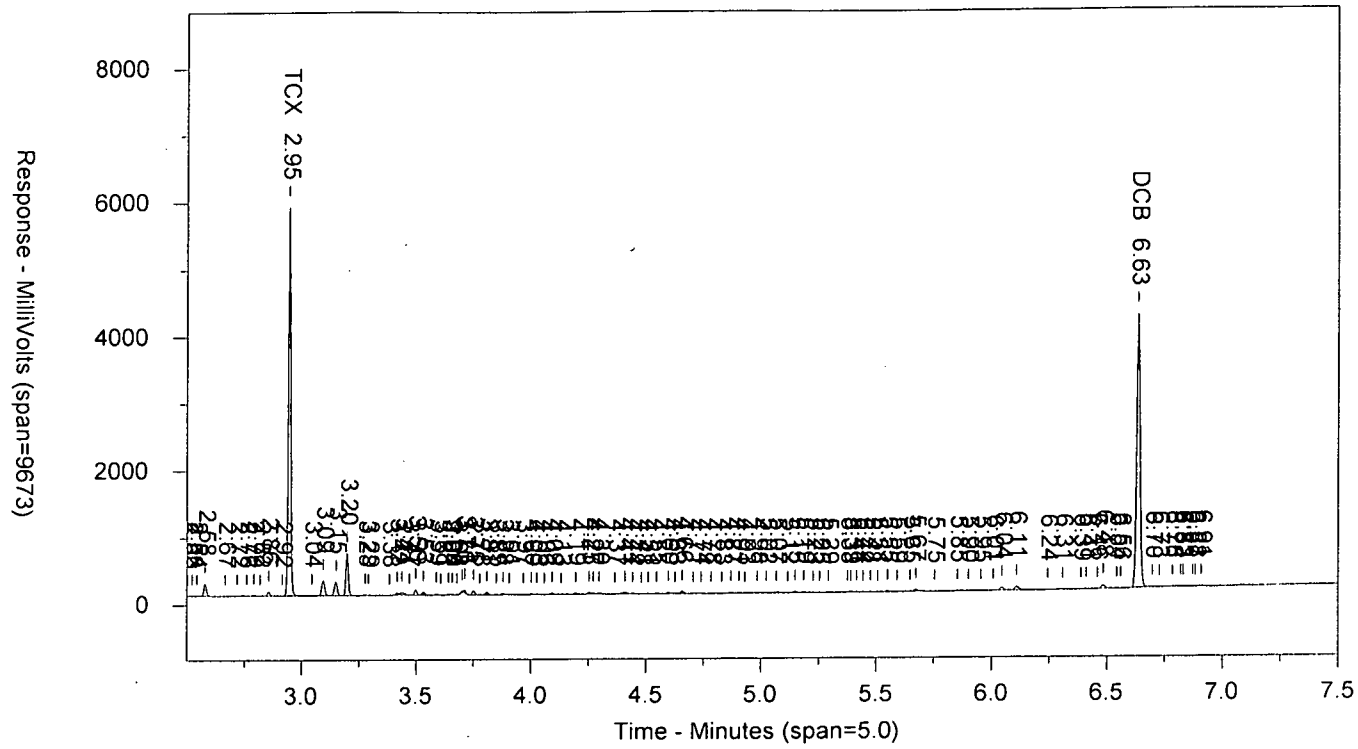

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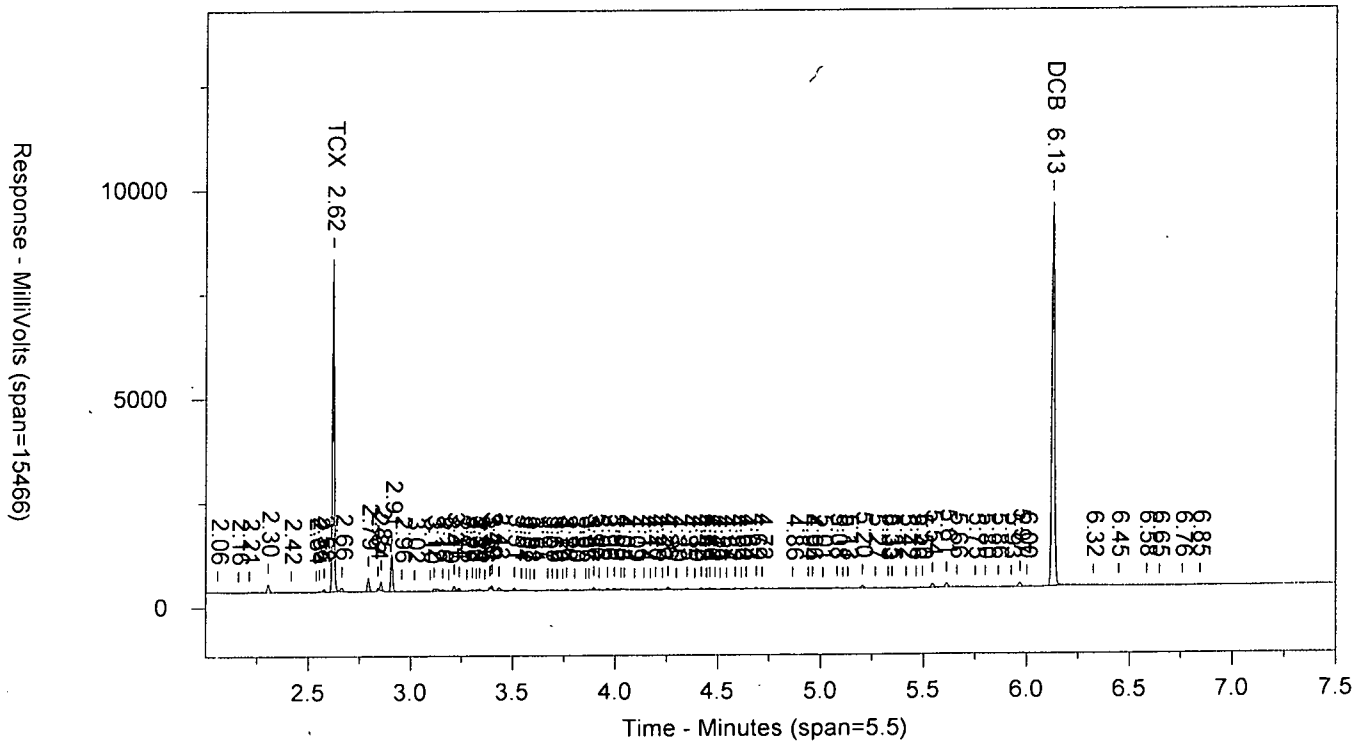

LANCASTER LABORATORIES

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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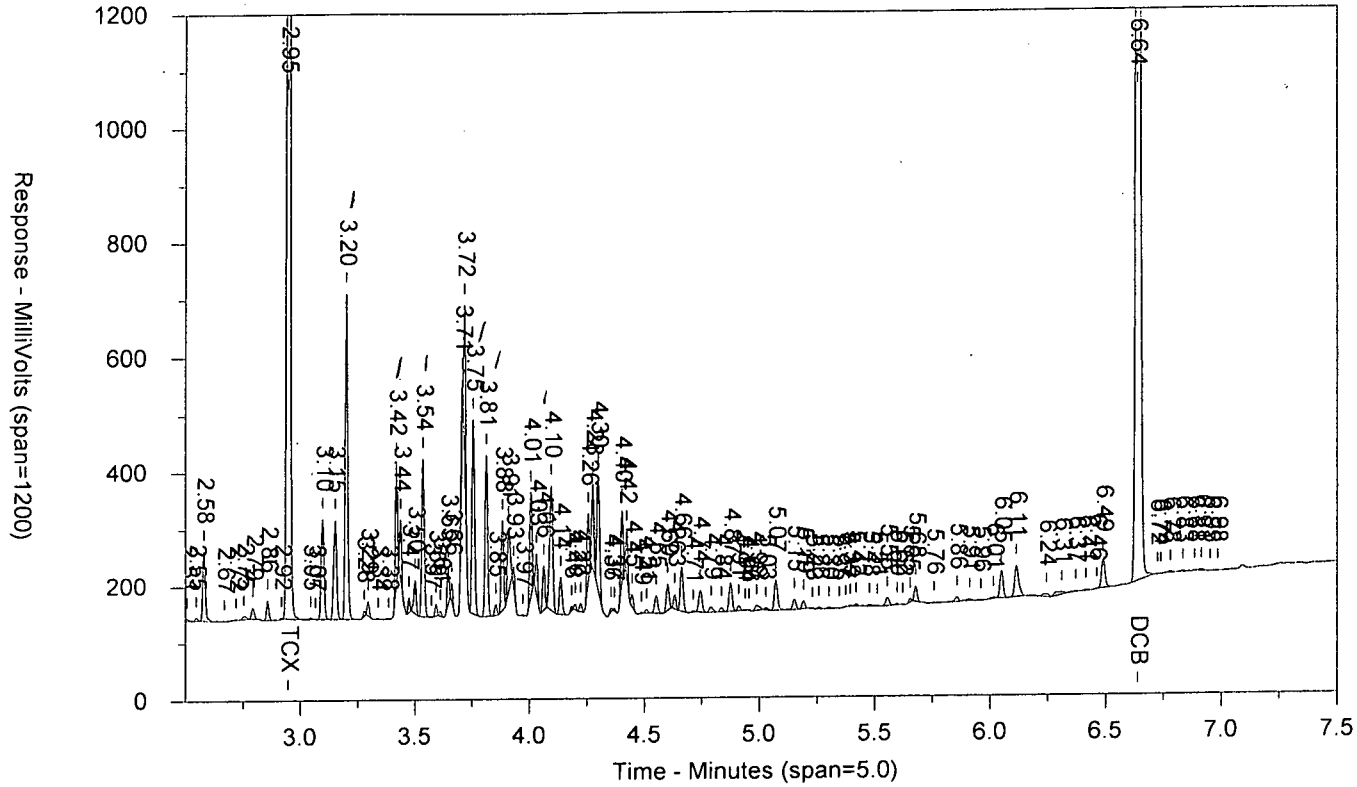

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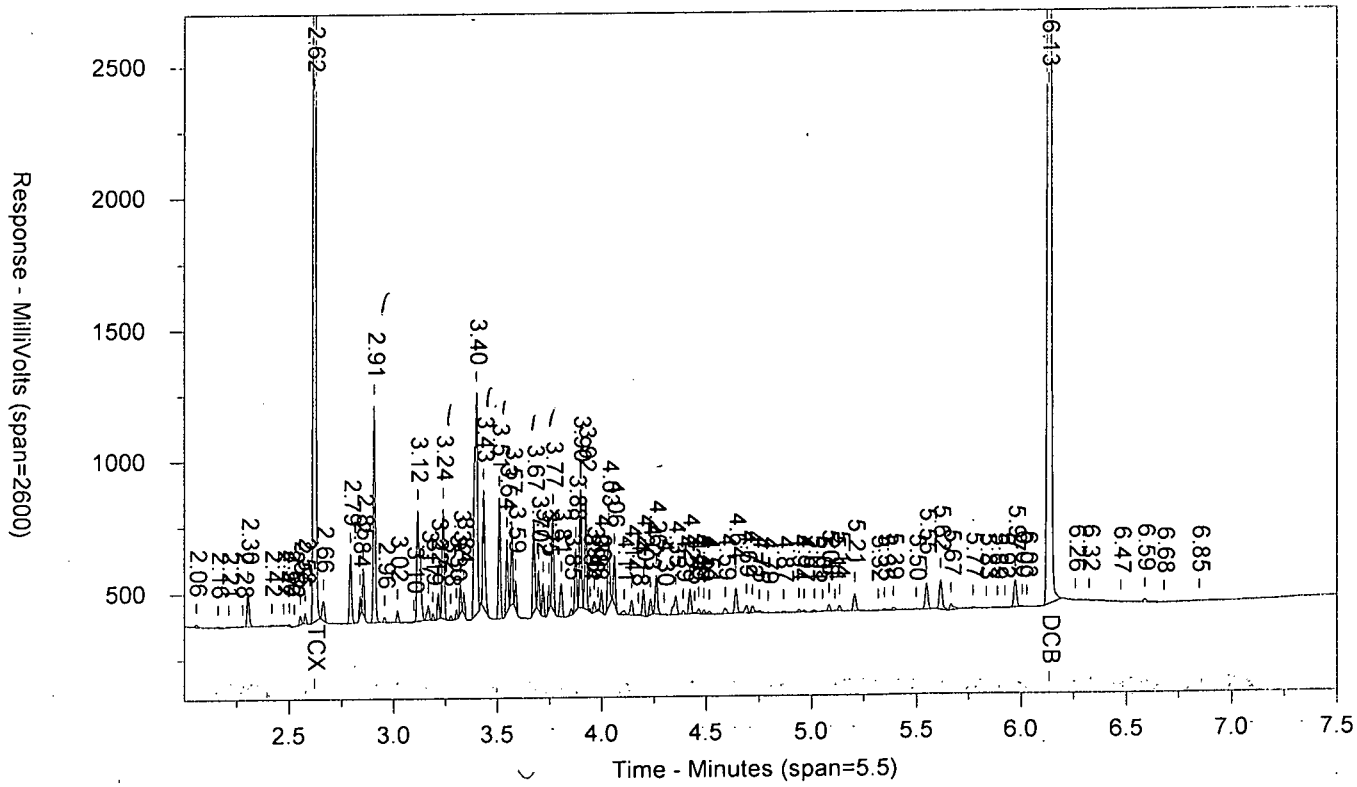

LANCASTER LABORATORIES

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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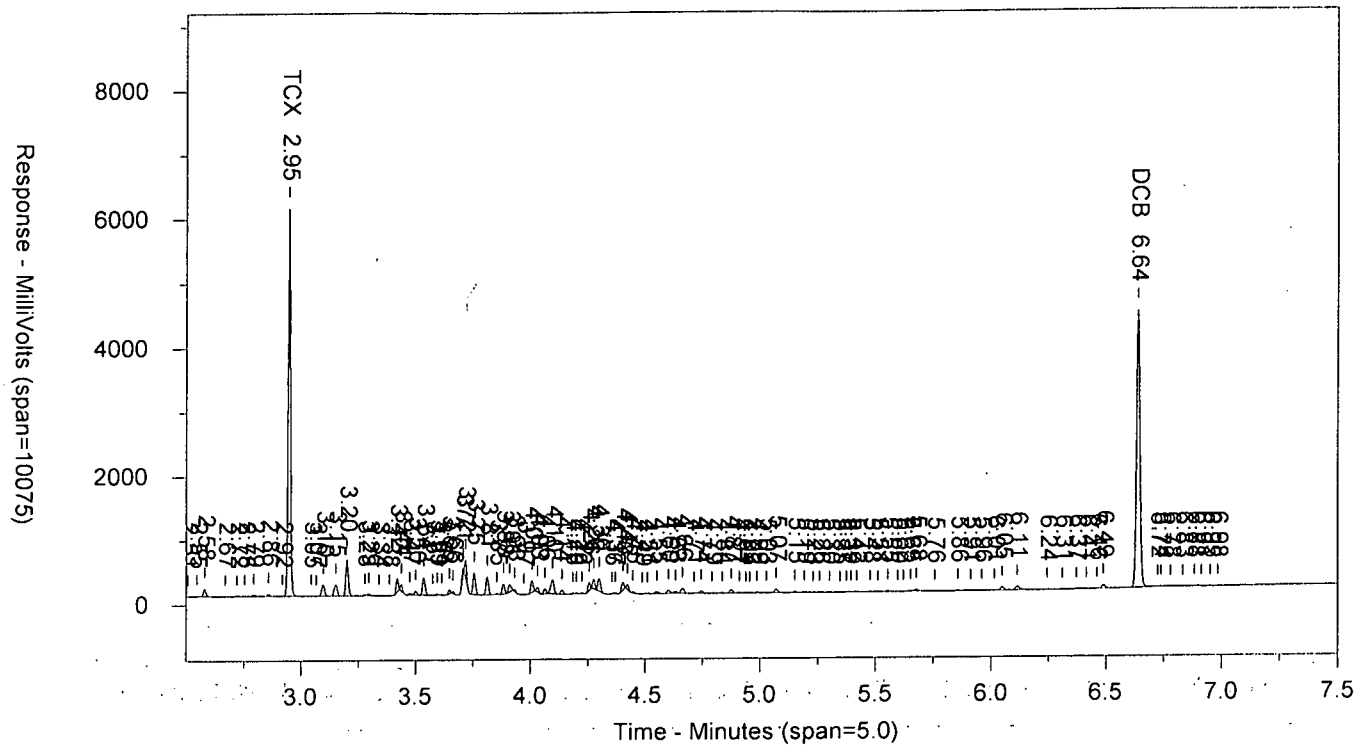

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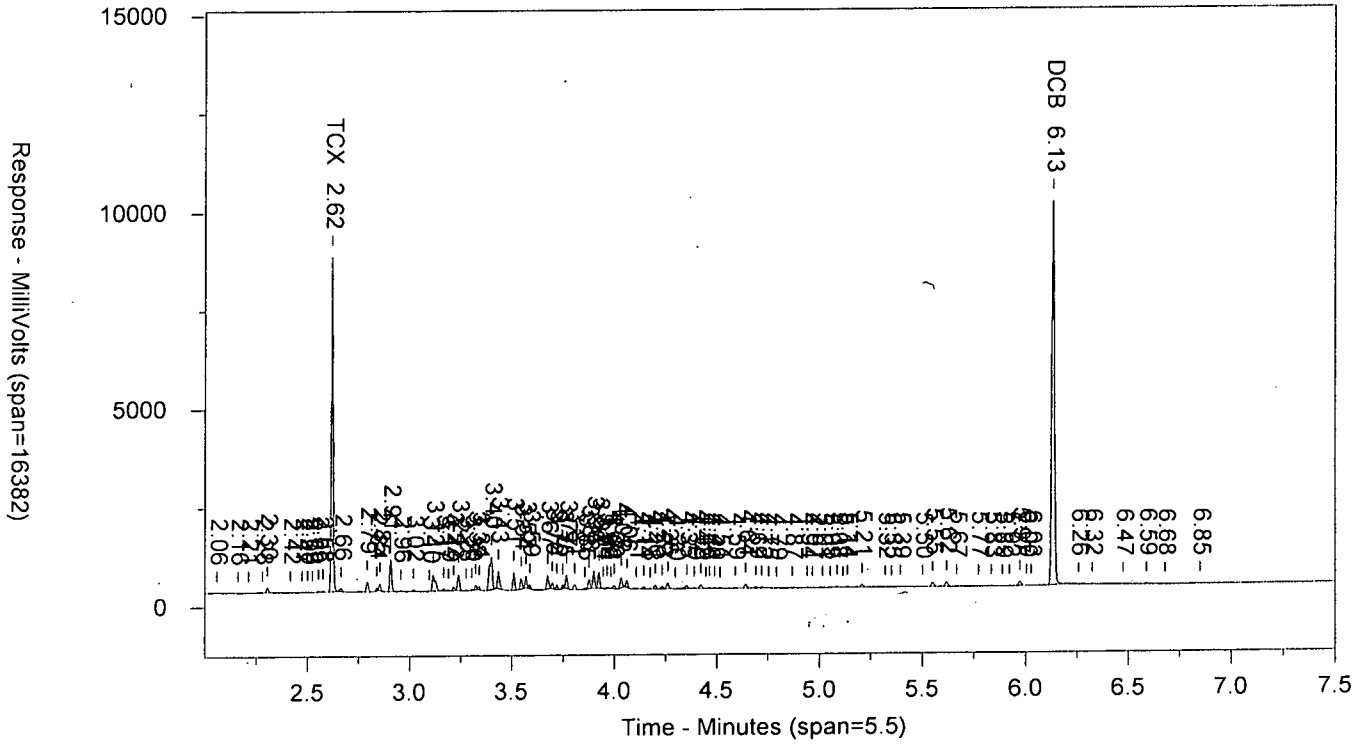


LANCASTER LABORATORIES

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

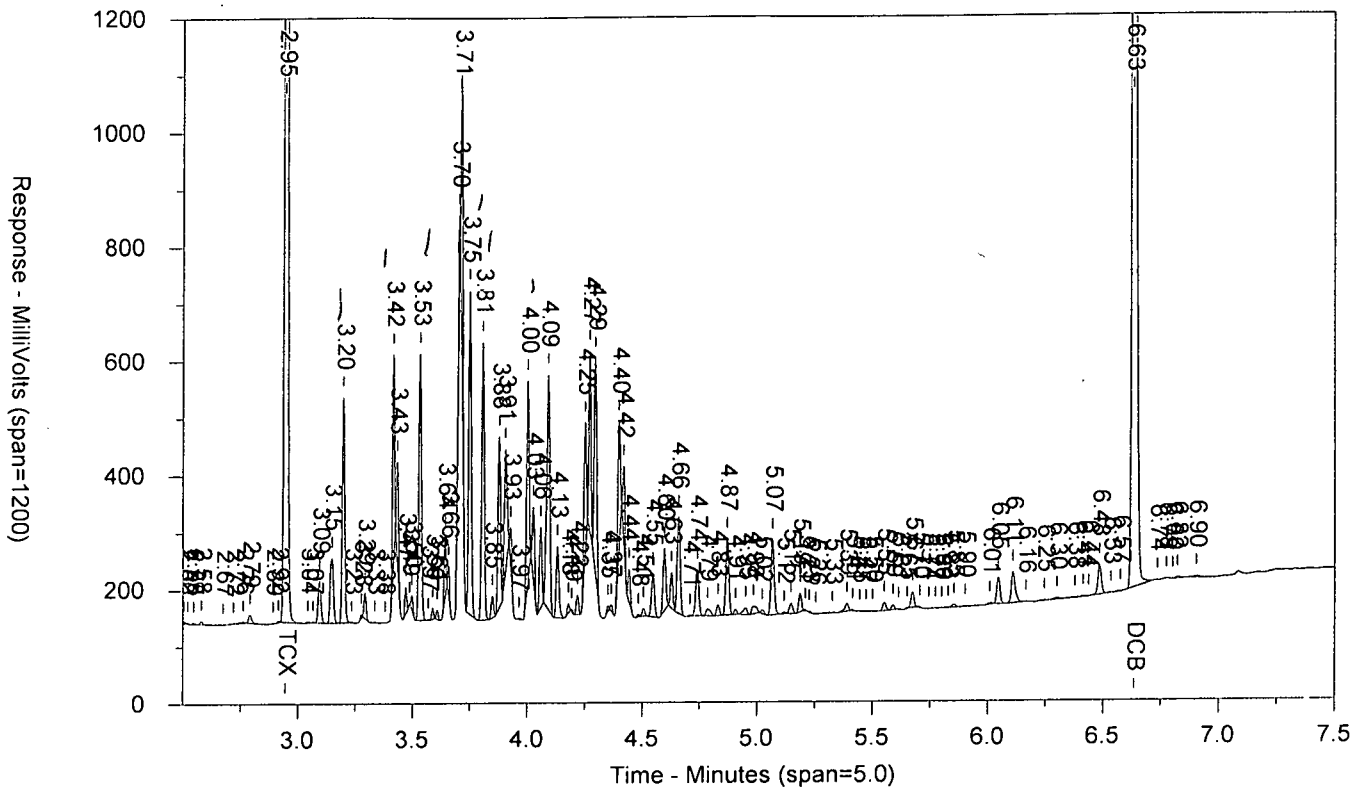
Sample Number: AR4231724A AAAR423AA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:25:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.026.RAW



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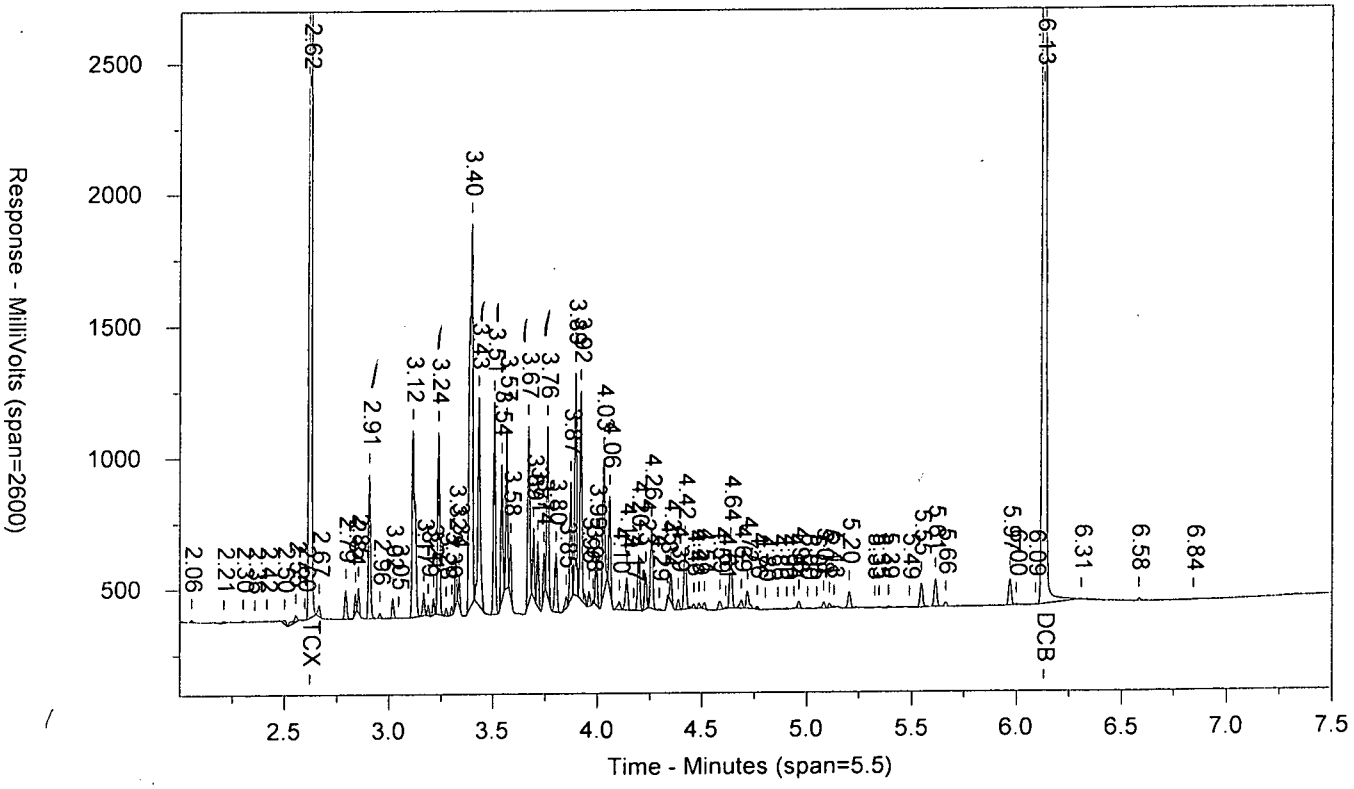


LANCASTER LABORATORIES

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

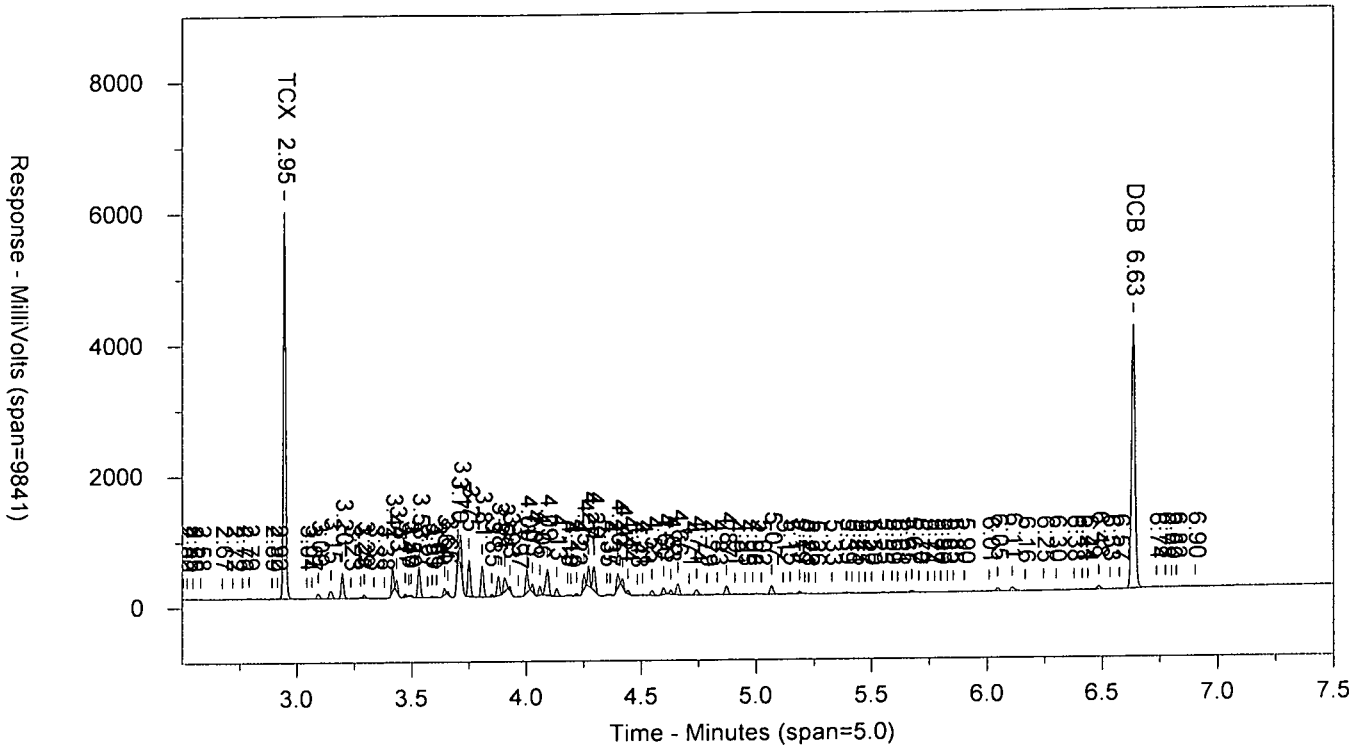
Analyst: 9065

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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.026.RAW



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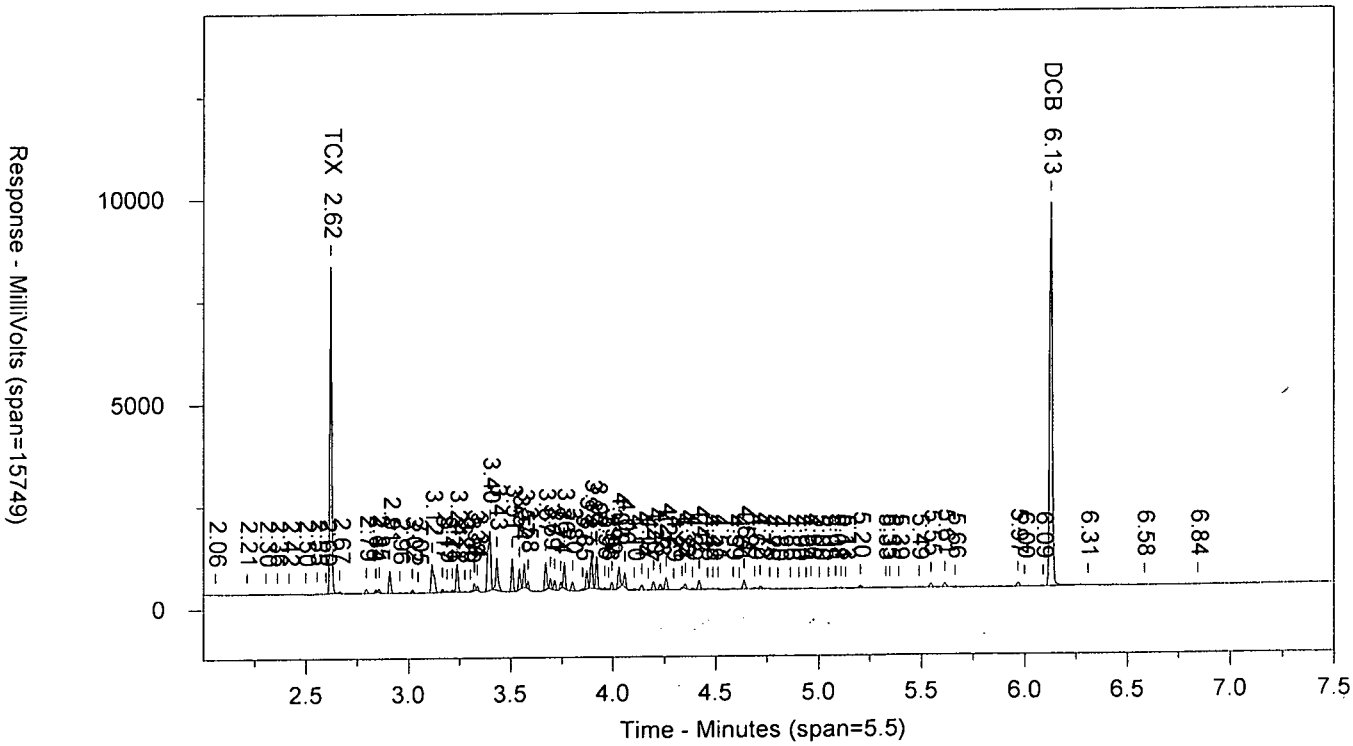

LANCASTER LABORATORIES

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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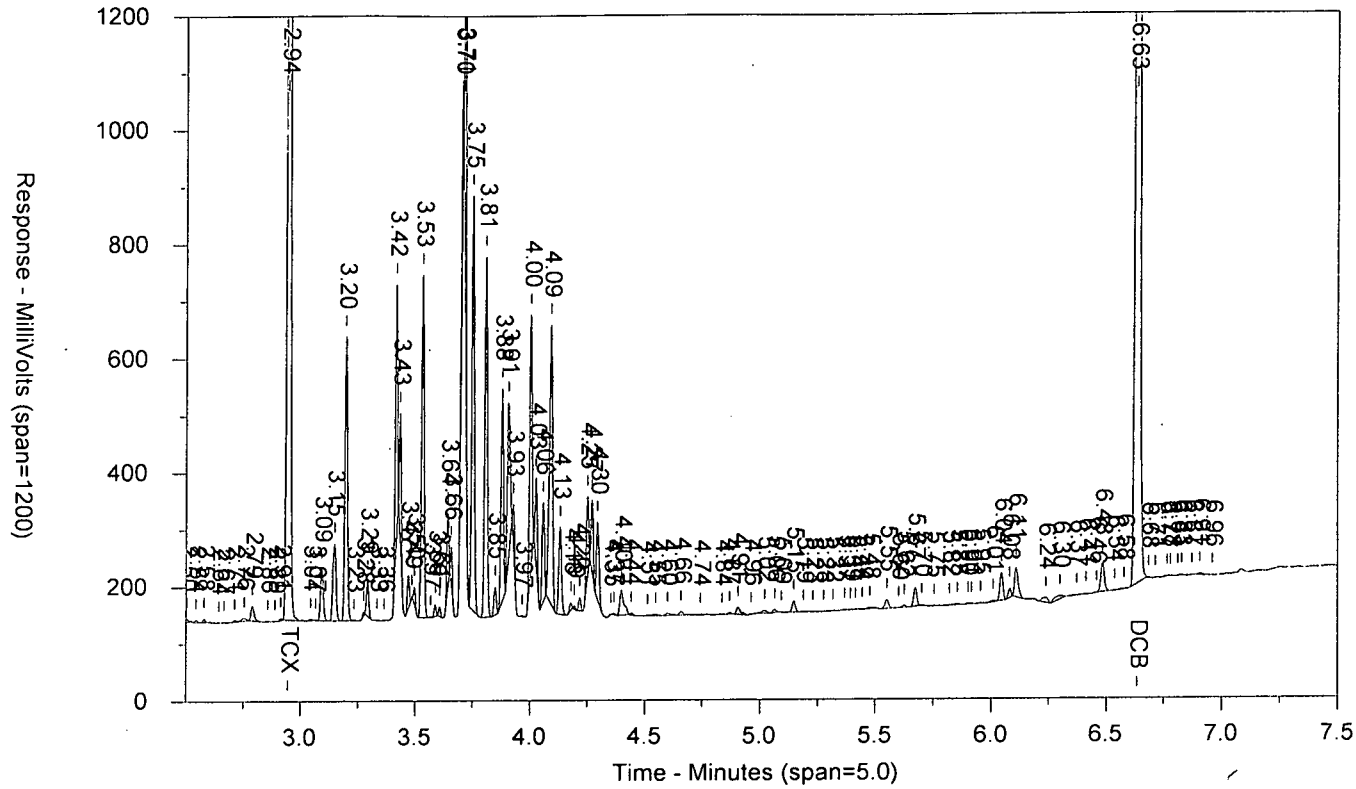

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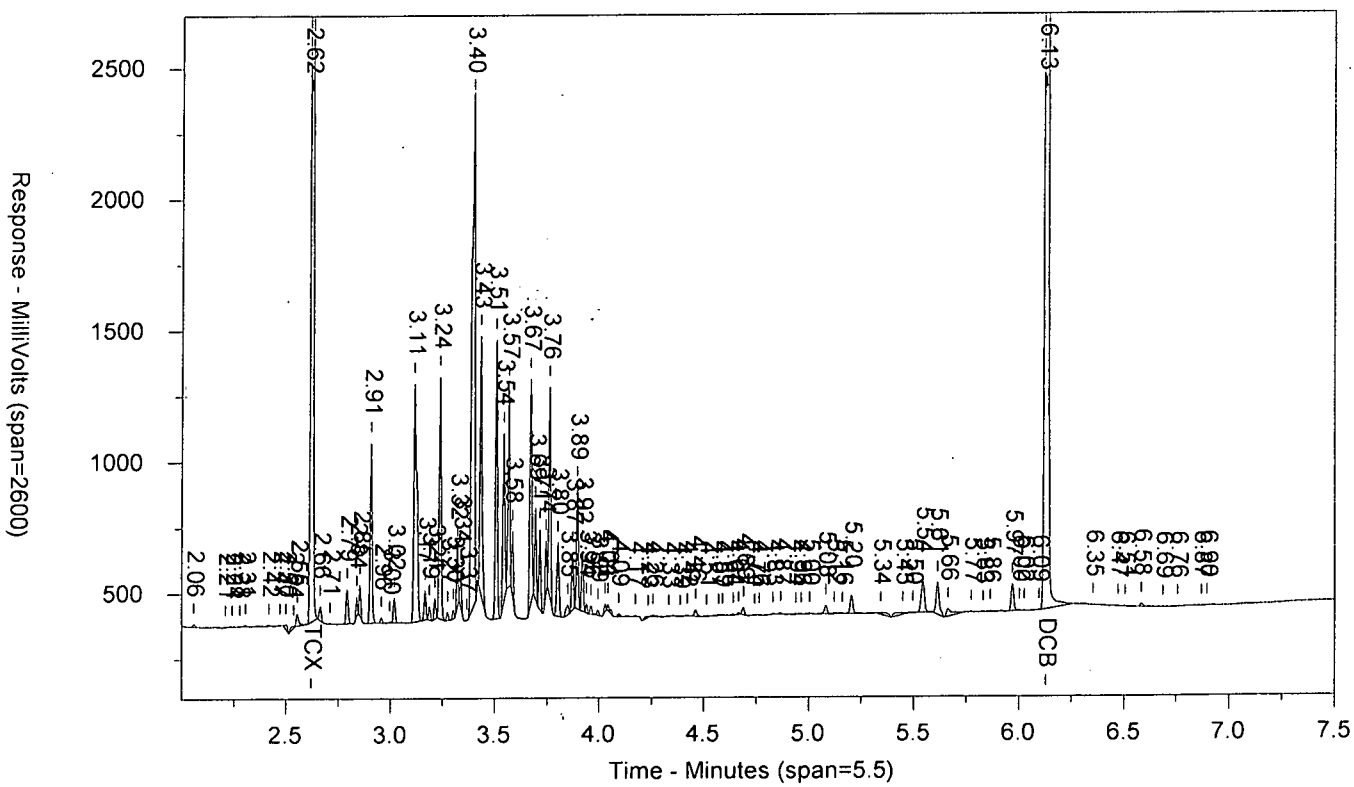

LANCASTER LABORATORIES

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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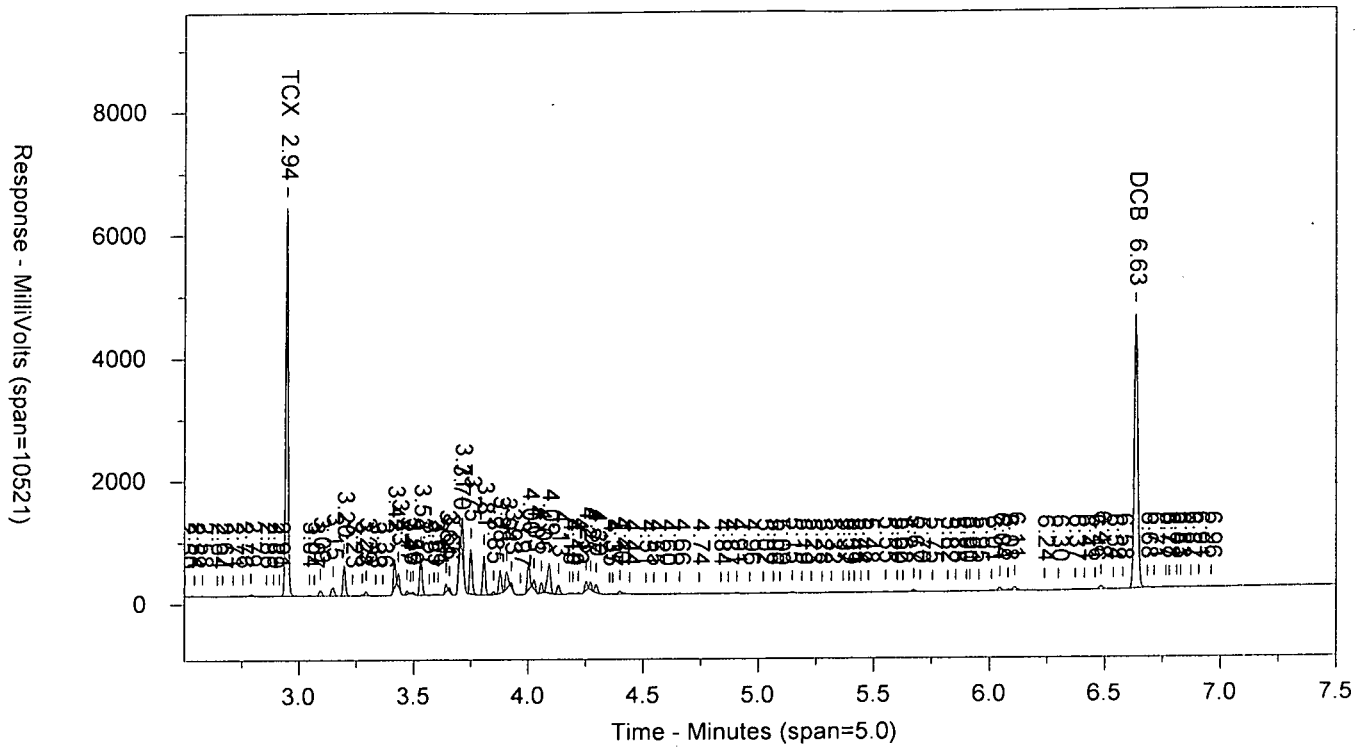

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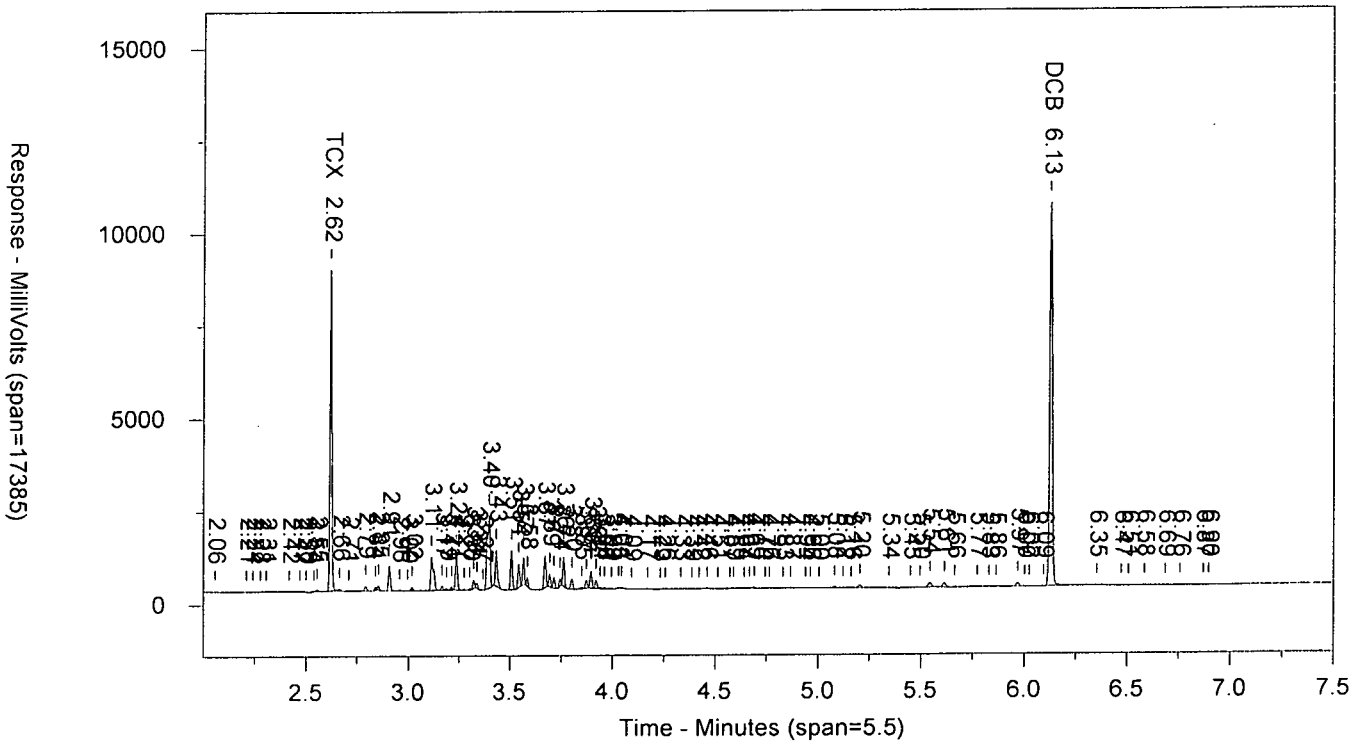


LANCASTER LABORATORIES

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

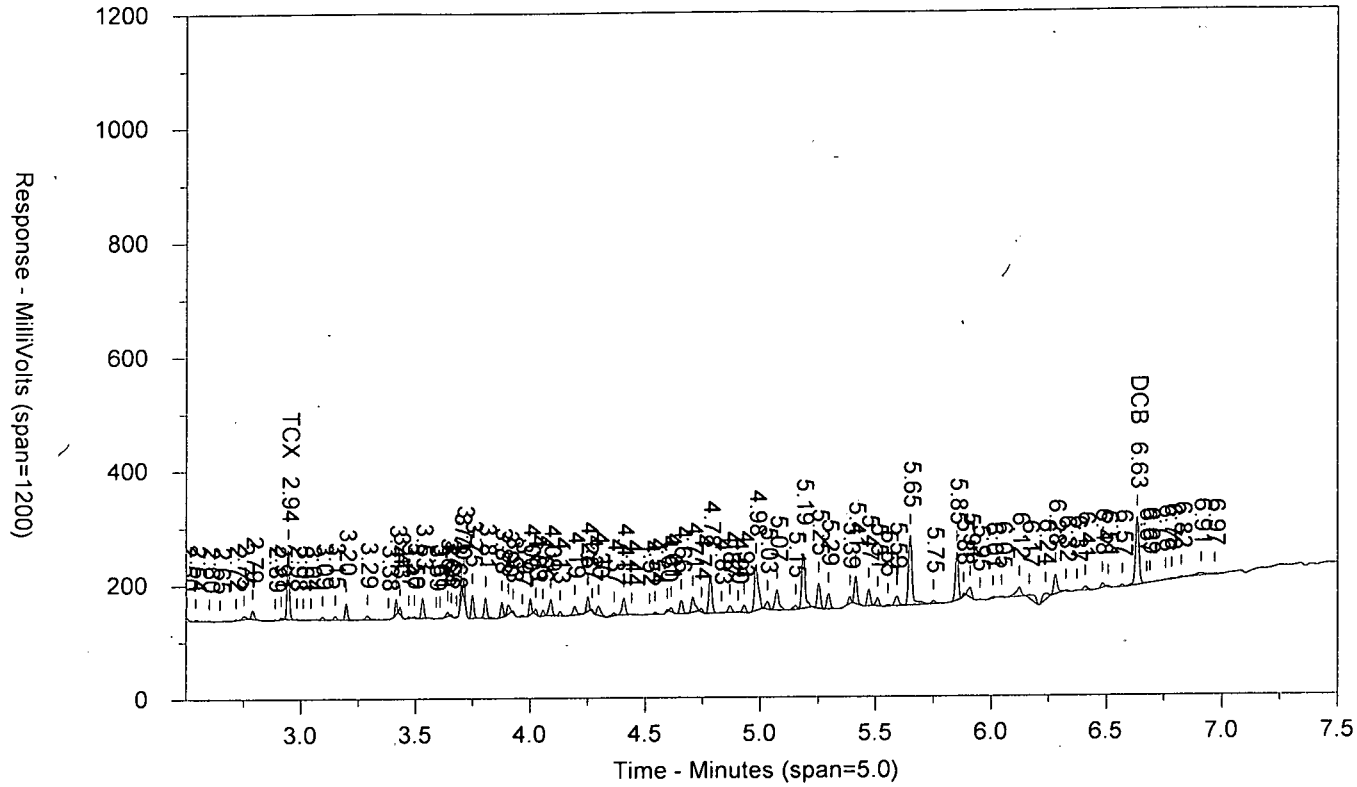
Sample Number: MD16X1724A AAMD16XAA ICAL 1711599999 10736 SW-846 8082
Injected On: 4/26/2017 6:47:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116001.028.RAW



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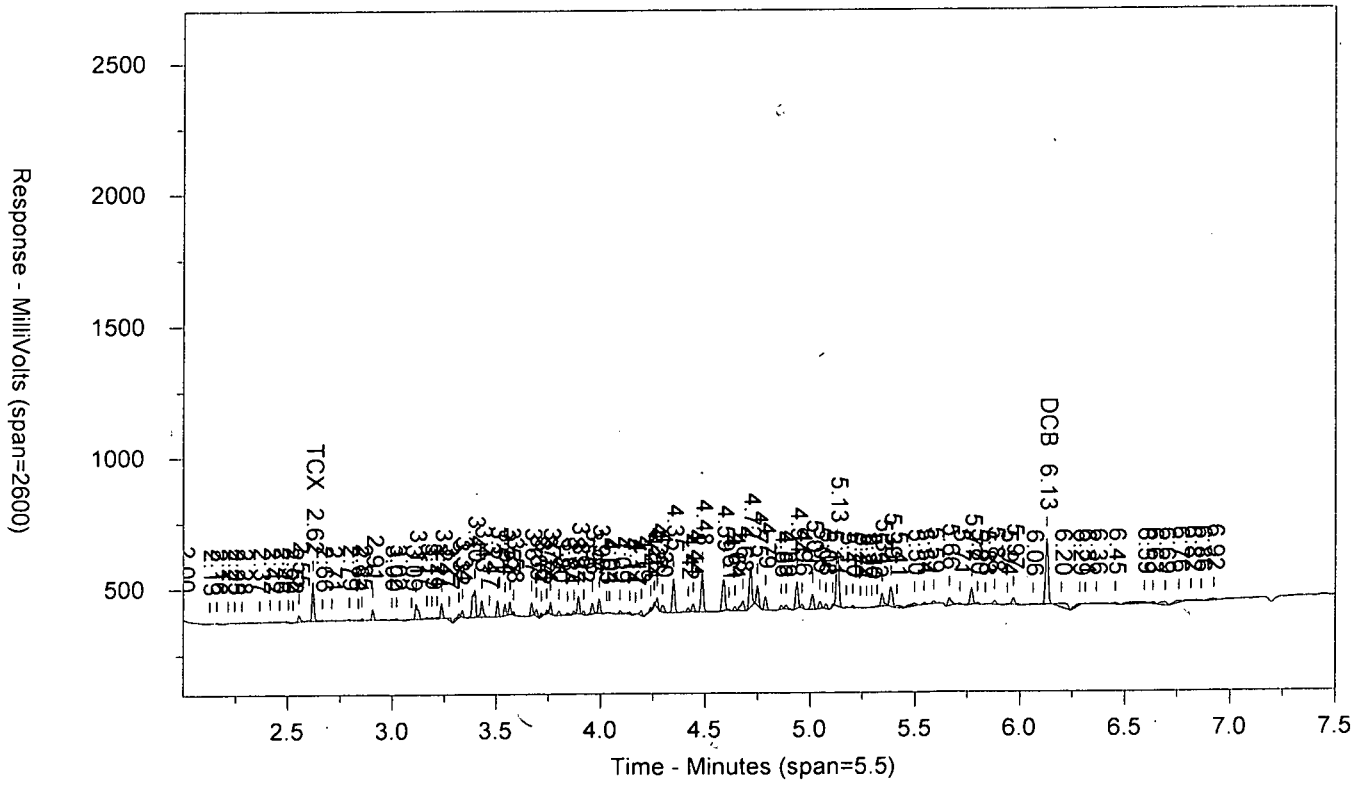

LANCASTER LABORATORIES

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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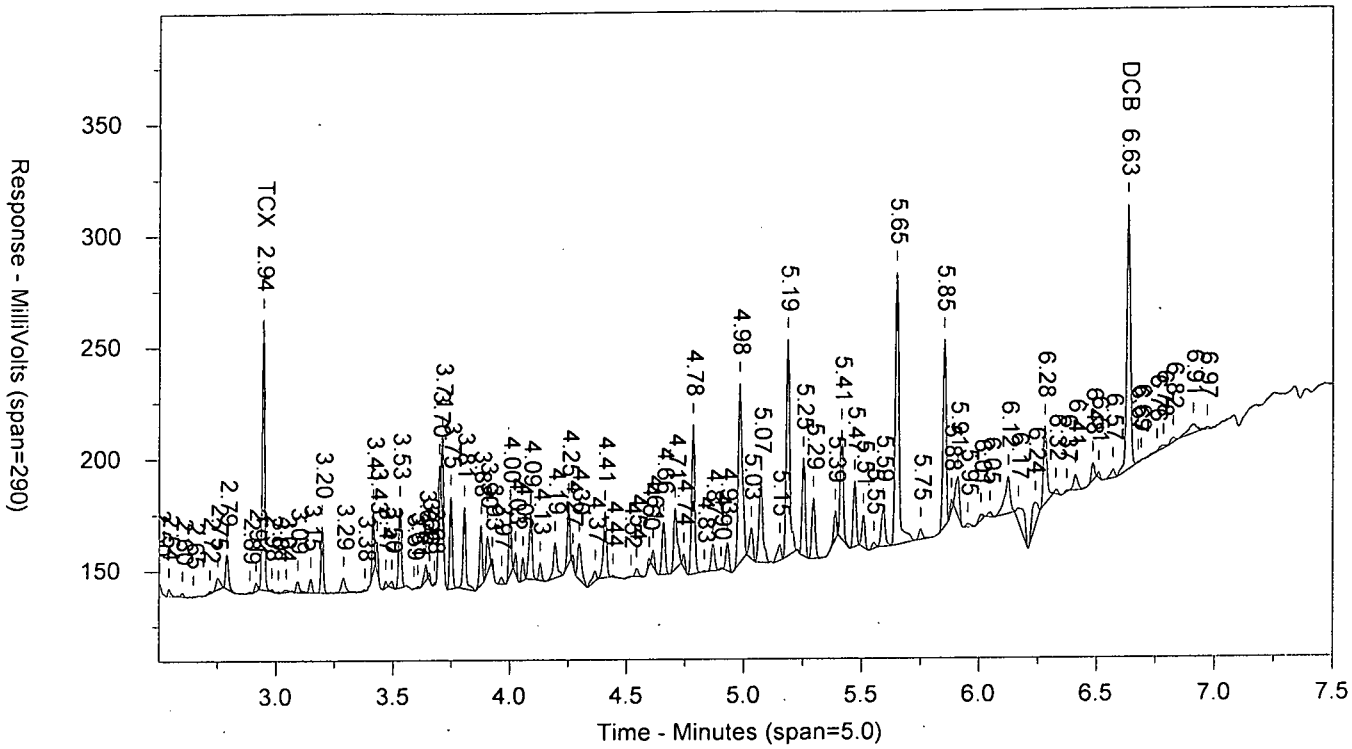

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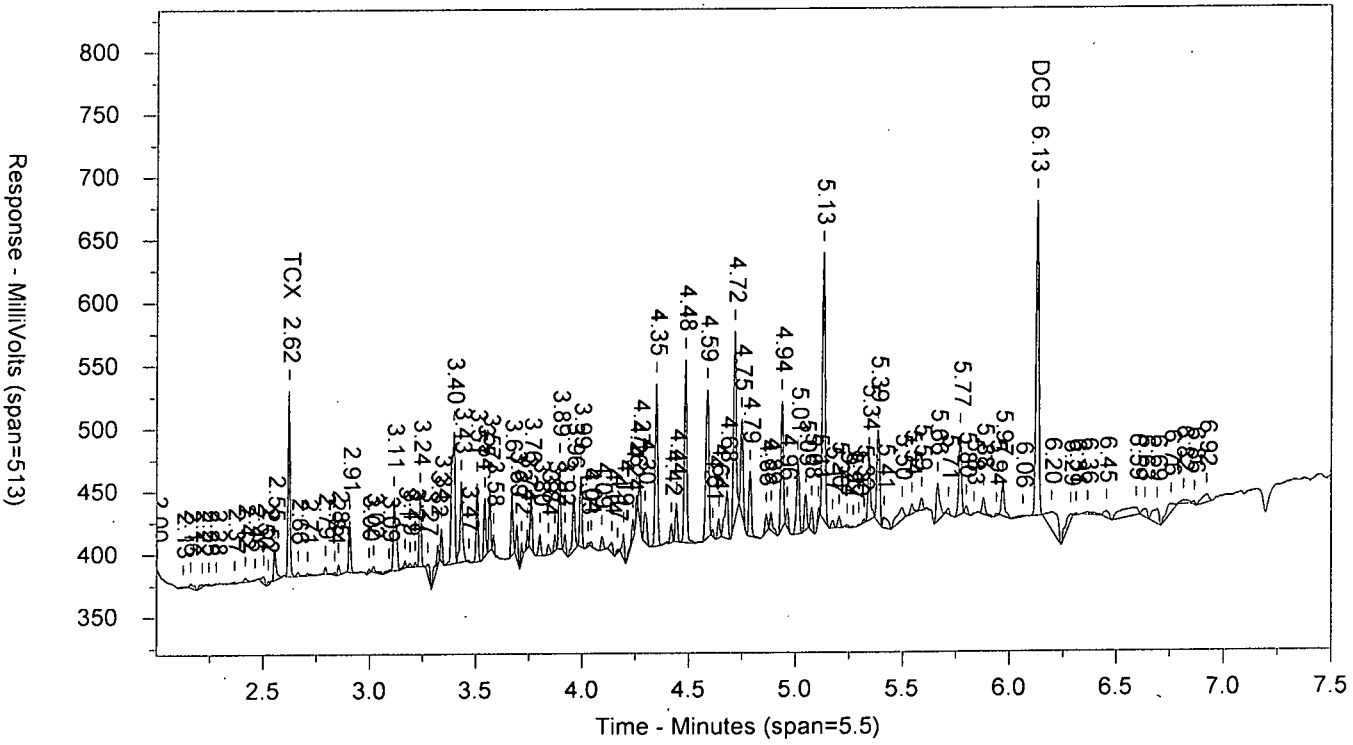

LANCASTER LABORATORIES

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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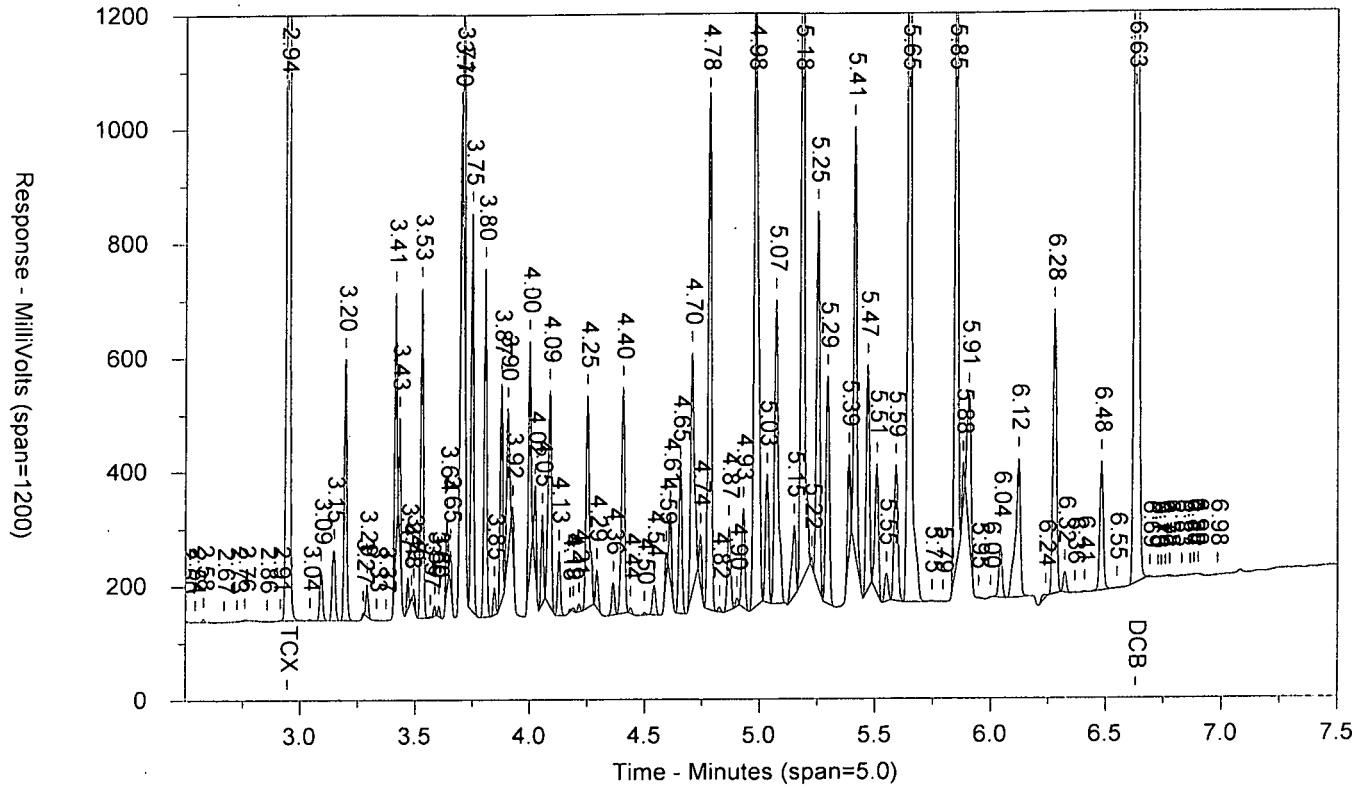

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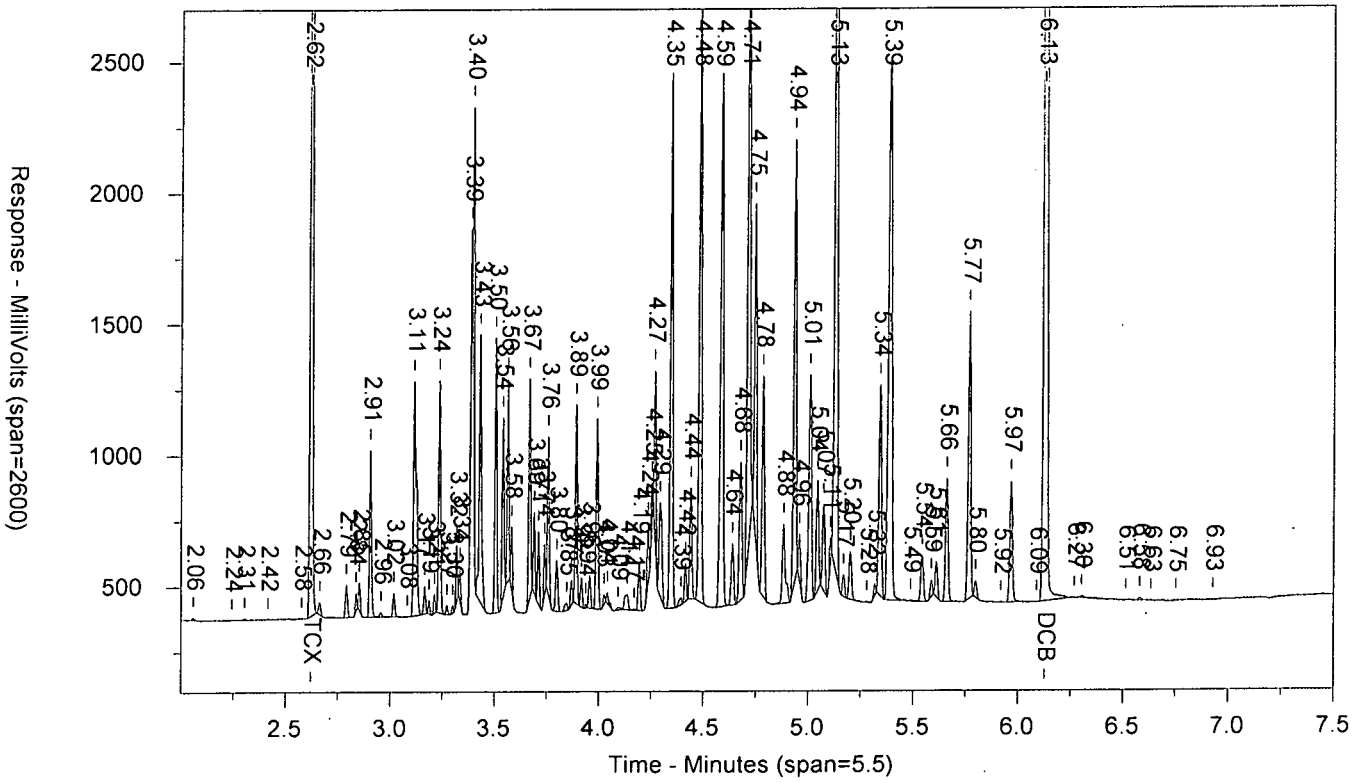

LANCASTER LABORATORIES

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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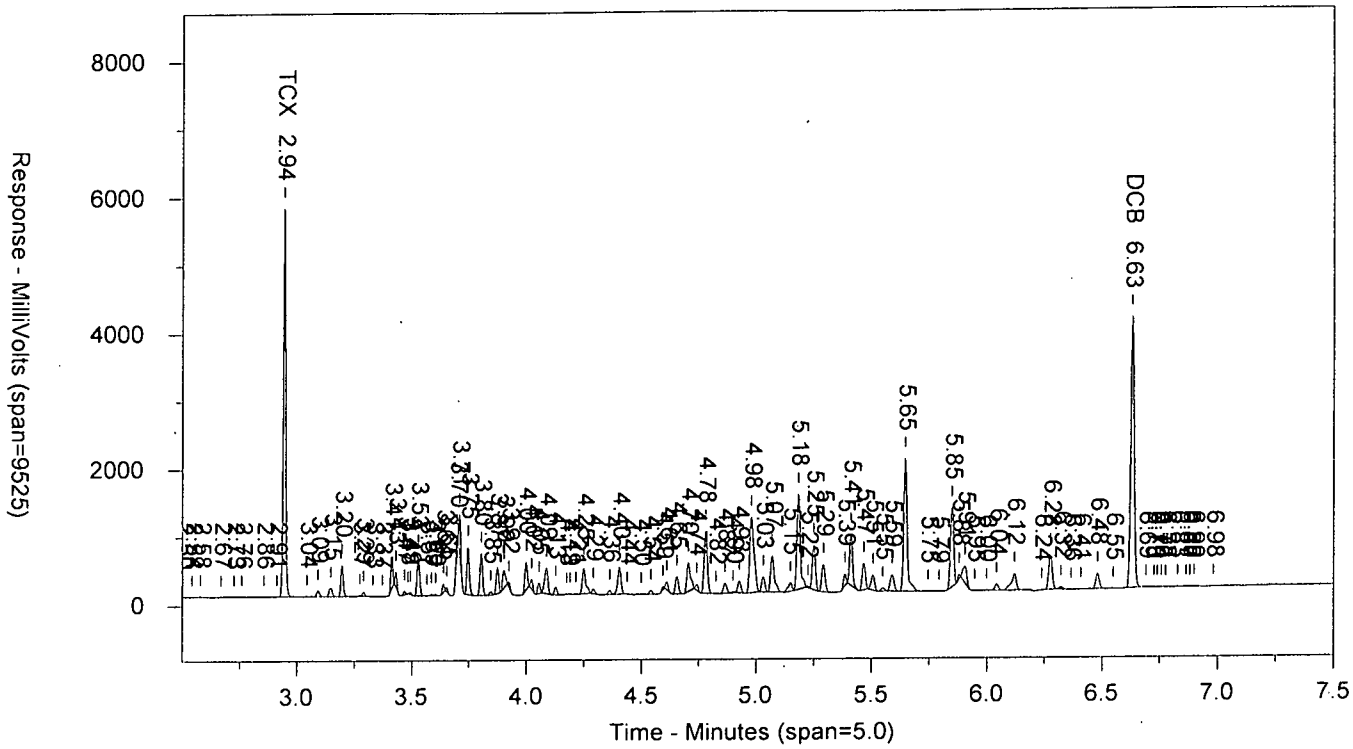

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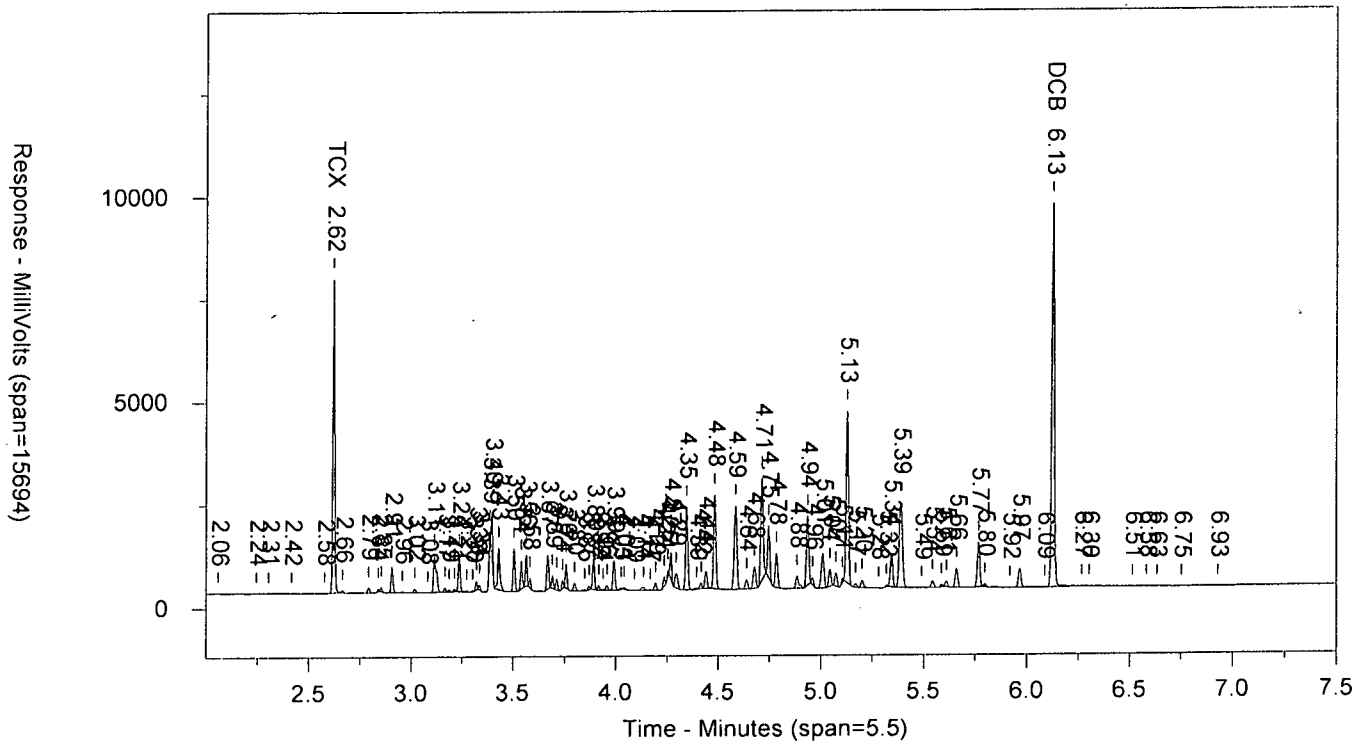

LANCASTER LABORATORIES

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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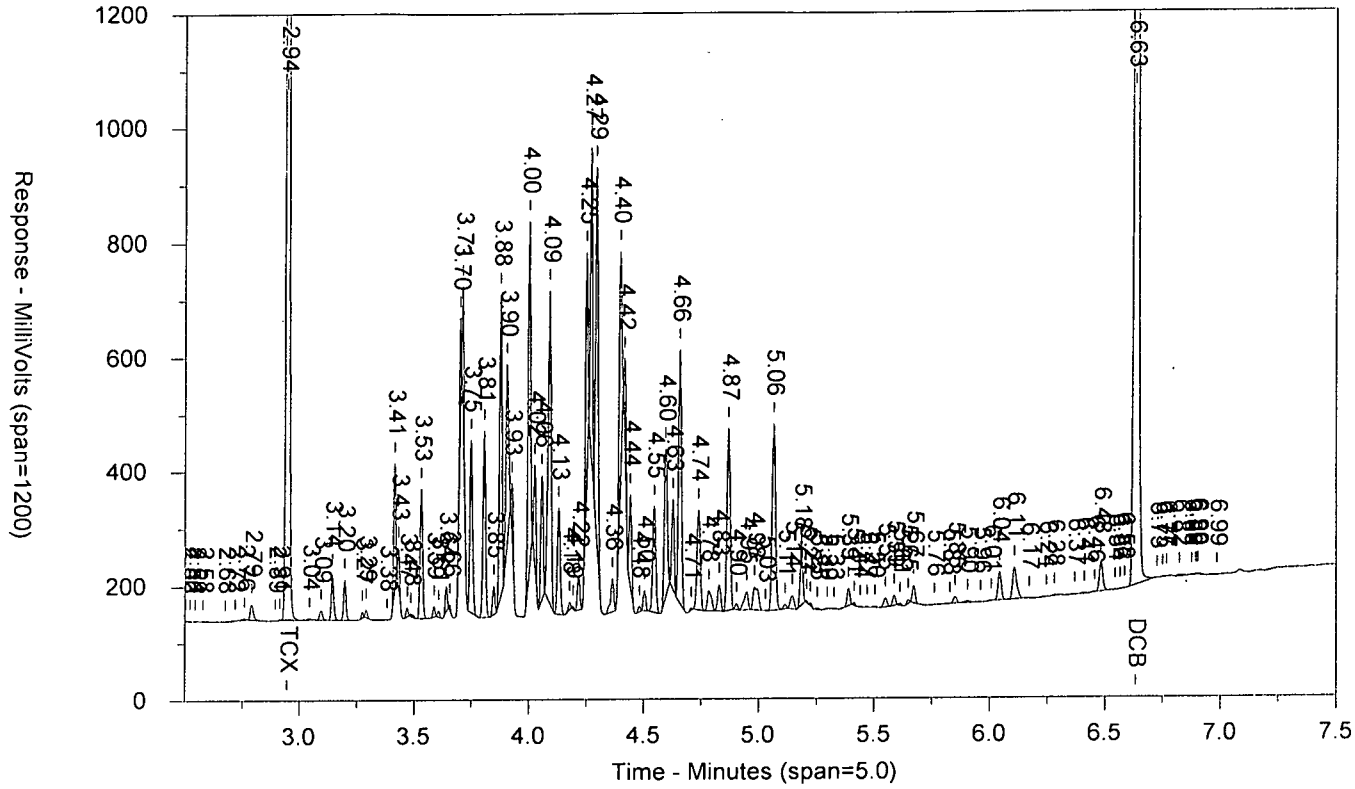

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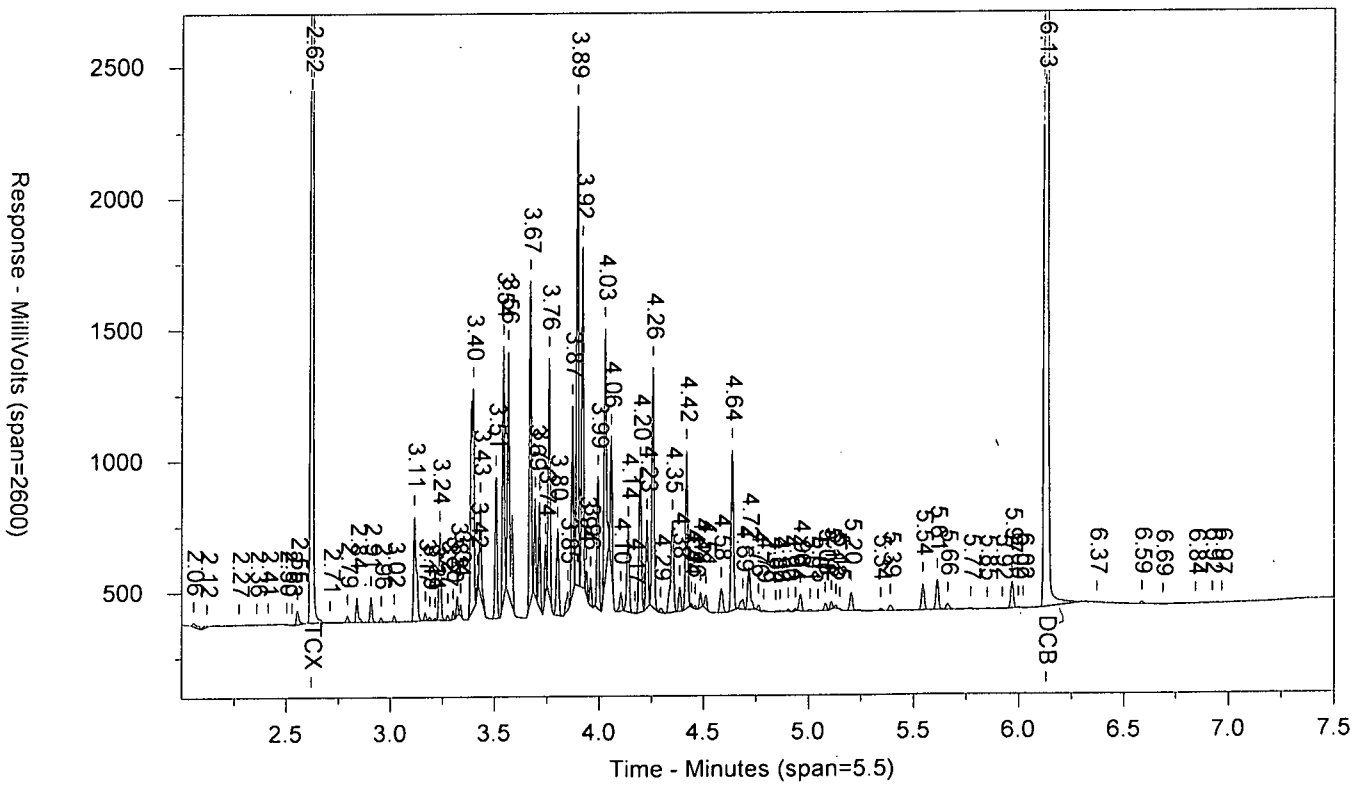

LANCASTER LABORATORIES

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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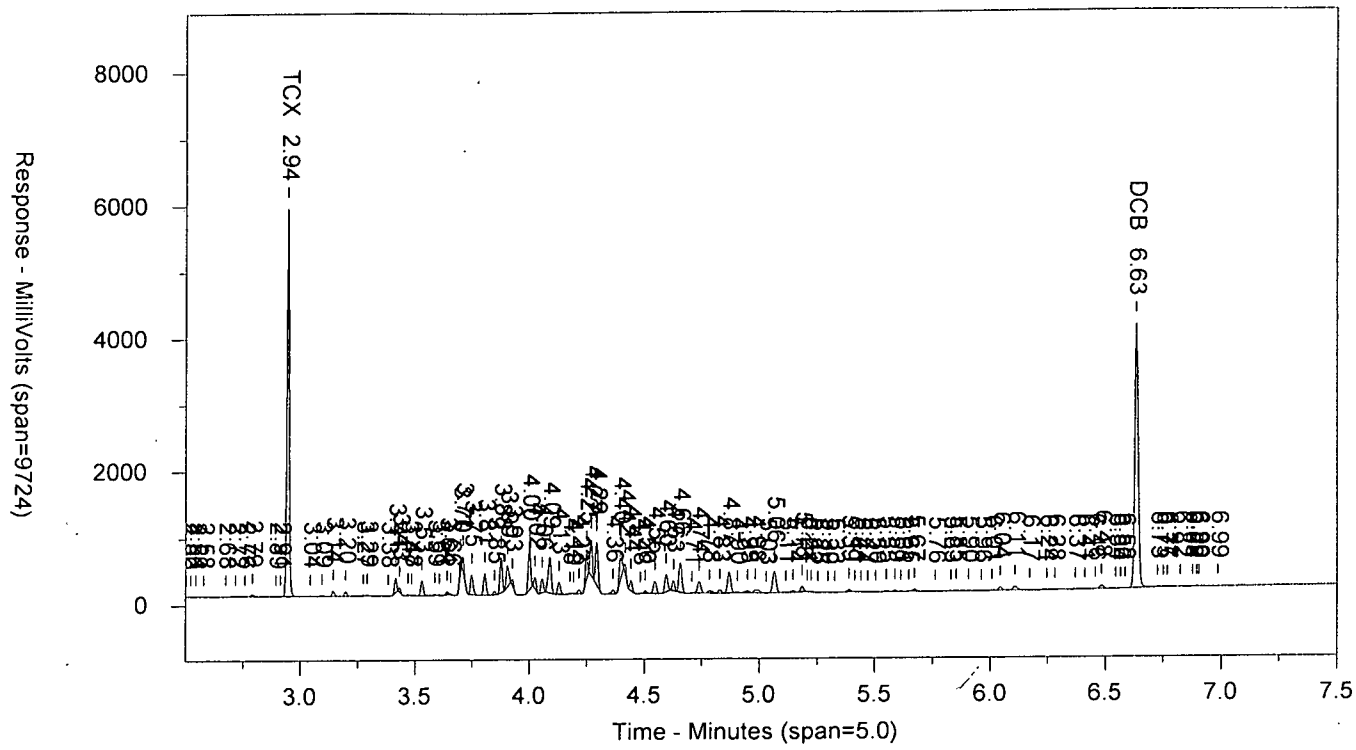

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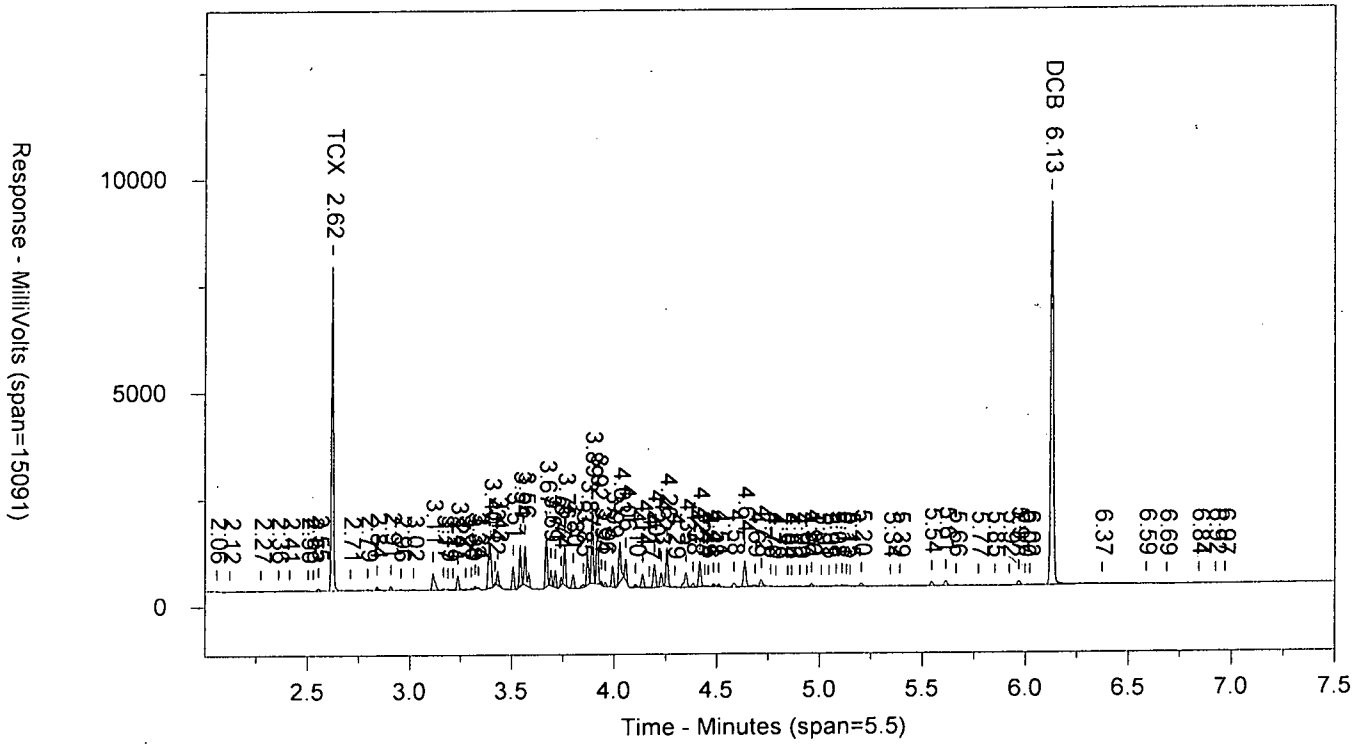

LANCASTER LABORATORIES

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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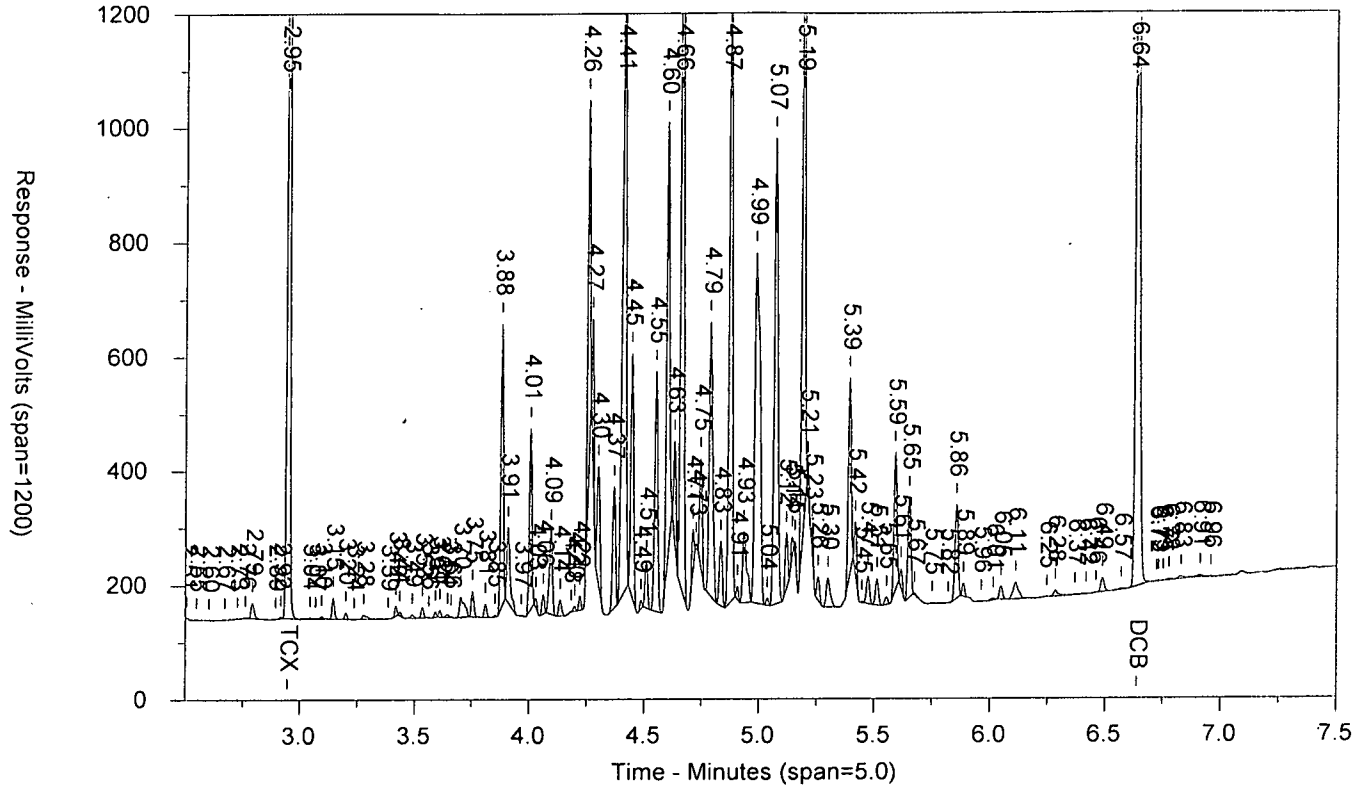

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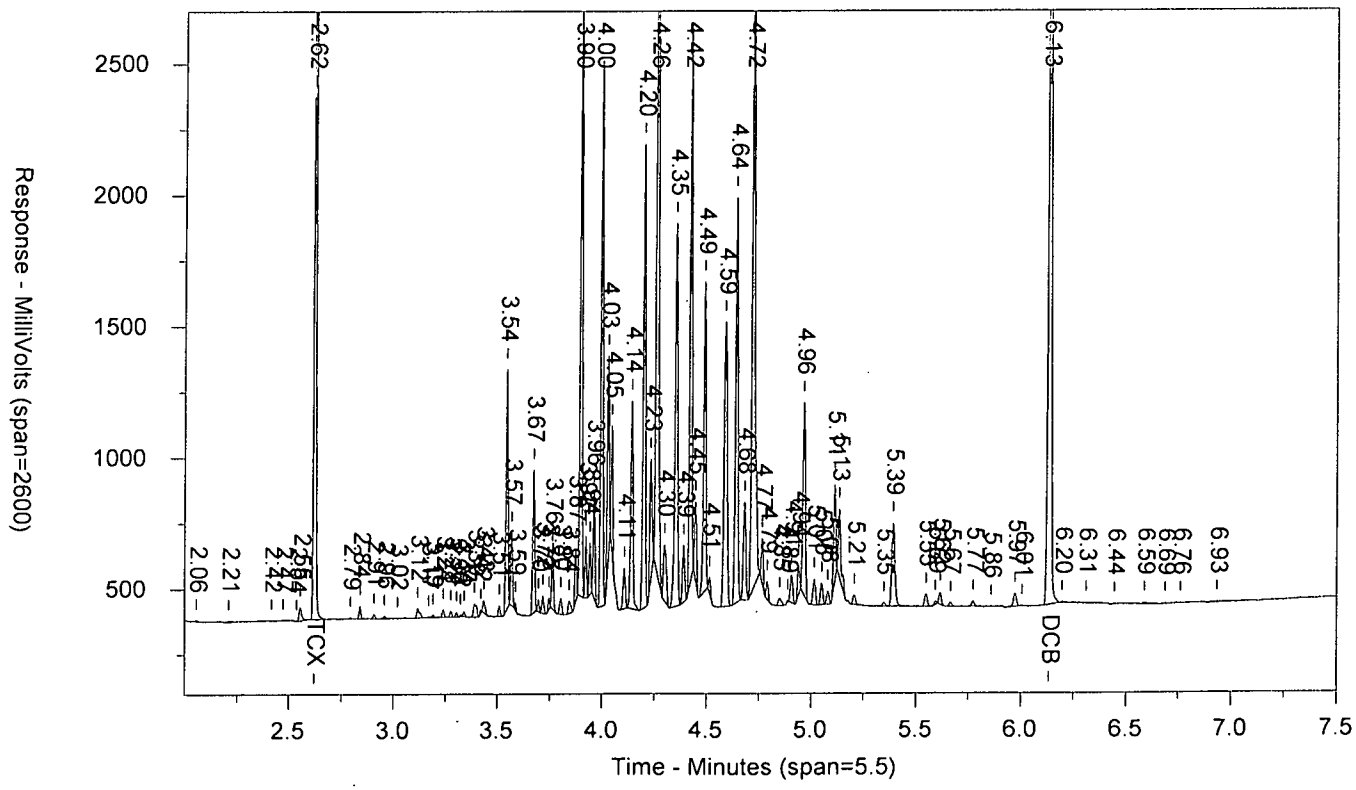

LANCASTER LABORATORIES

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
File Reported On: 4/26/2017 at 7:30:36 PM

IC54X1724A AAIC54XAA CCAL 1711599999 10736 SW-846 8082

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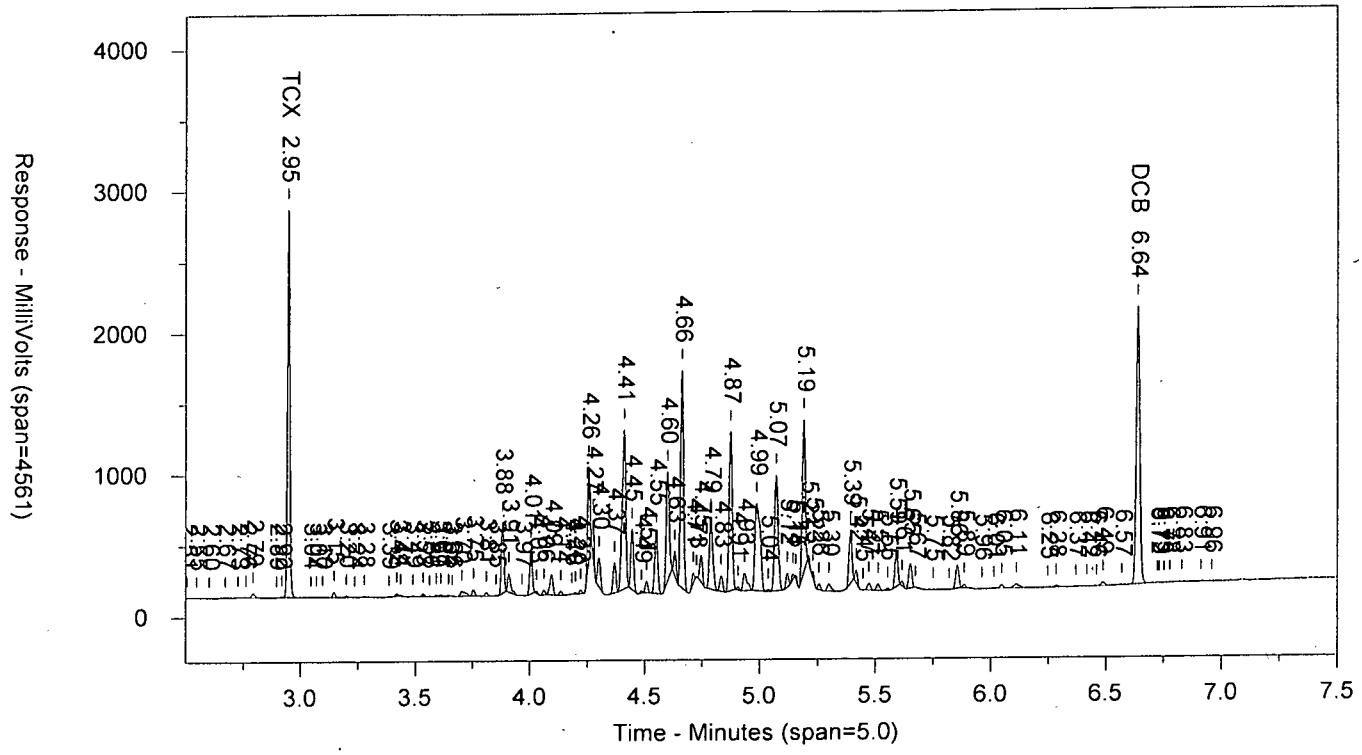

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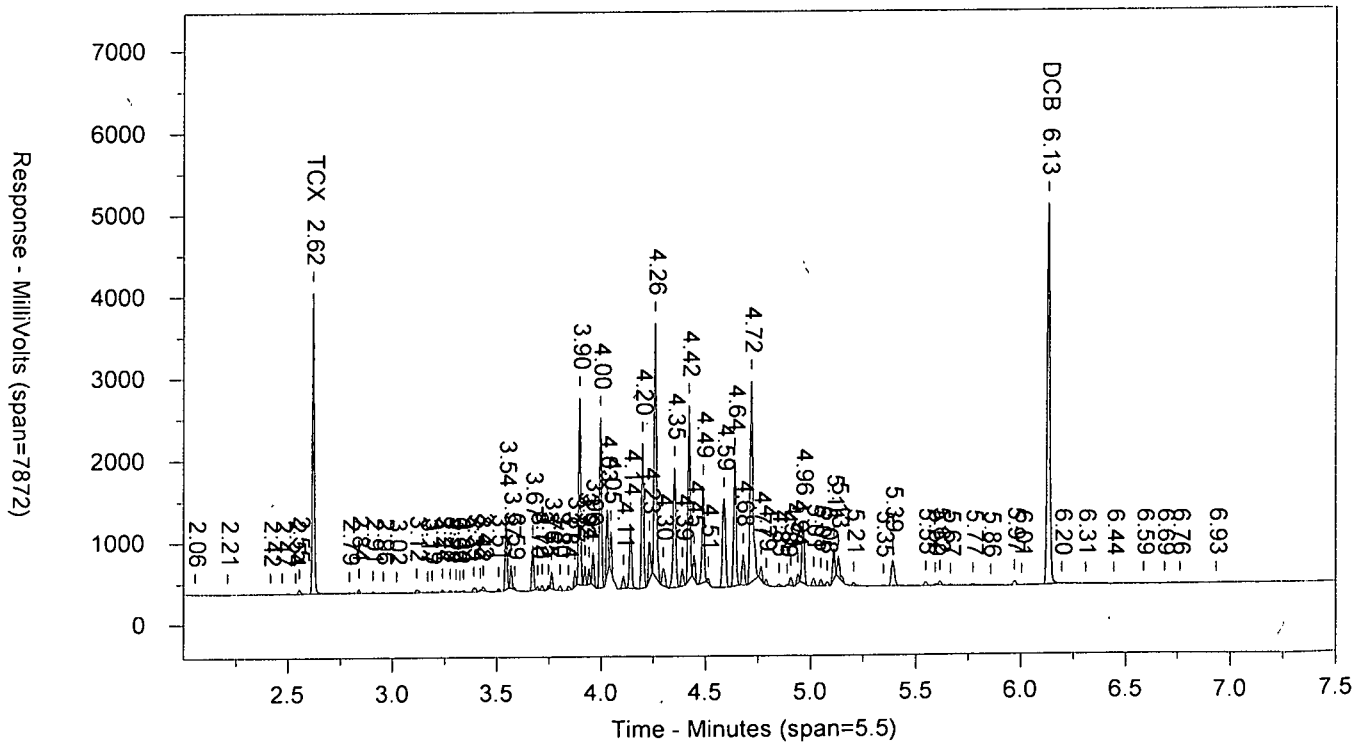

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.005.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		10351	22973
2.217		8093	6890
2.309		13352	8911
2.328		2253	1169
2.377		1896	2134
2.424		3596	3683
2.549		2766	1942
2.657		1328	1140
2.723		1183	1422
2.774		48669	42841
2.827		4138	4233
2.923	TCX	2190175	1480446
3.072		1059	969
3.123		30032	19010
3.191		4185	3519
3.231		727	551
3.254		5553	3721
3.311		938	755
3.463		814	619
3.493		1861	1317
3.53		2841	2665
3.569		7805	5002
3.667		4415	3781
3.731		834	438
3.849		2370	2762
4.005		821	547
4.171		2303	1804
4.297		7604	6578
4.402		1054	2152
4.511		2441	3244
4.854		1545	1437
4.88		2806	2102
4.926		1745	1771
5.12		6653	7437
5.205		2502	3138
5.53		7474	8218
5.651		11893	11207
5.837		2172	2660
6.022		18081	17483
6.088		15325	12996
6.109		2421	1469
6.303		1330	2858
6.332		1396	1510
6.396		997	838
6.468		15878	15449
6.614	DCB	1571934	1568764
6.922		829	3156
7.077		1207	2188
7.385		4370	68581
8.378		792	1028
8.535		912	1865

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.005.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		5070	4170
2.053		19278	13618
2.156		10892	10102
2.24		19388	33245
2.349		3646	3408
2.411		13901	15674
2.448		3701	2407
2.477		6150	4560
2.525		8148	7097
2.547		139202	113578
2.592		4151	1944
2.615	TCX	13497890	8027551
2.779		8147	4855
2.802		4403	2868
2.833		181836	119070
2.883		7990	10144
2.949		35183	21591
2.998		4527	5089
3.087		3300	2581
3.182		16069	22543
3.256		1660	1014
3.269		4290	1899
3.292		61578	36197
3.326		38423	23874
3.356		2460	1377
3.409		11202	8310
3.451		10604	16850
3.491		4157	5511
3.529		2070	976
3.545		2462	1195
3.565		3941	2435
3.586		2824	1392
3.61		3424	3595
3.732		7963	26313
3.775		4428	3242
3.816		2233	1362
3.936		7570	5112
3.986		5570	13287
4.076		55213	47971
4.113		3083	2223
4.154		3626	2347
4.2		8866	10595
4.247		7205	14970
4.332		1798	1706
4.374		3083	4081
4.442		24374	18026
4.532		3112	5459
4.583		10186	10153
4.645		5081	2800
4.67		39069	28721
4.842		6441	15553
4.983		3162	3561
5.064		39557	42741
5.186		74021	77324

RT B	Compound B	Height B	Area B
5.371		4696	4287
5.47		1912	1241
5.528		122755	103512
5.596		123852	115541
5.645		36634	35689
5.95		103800	86911
5.979		3273	2211
6.066		2313	2369
6.11	DCB	10753940	9517686
6.517		1882	1909
6.562		9523	11580
6.906		2483	3718
7.088		1776	1009
7.148		2335	1617
7.336		908	3362
7.443		3060	8497
7.483		1997	2090
8.152		1882	3962
8.222		16479	32043

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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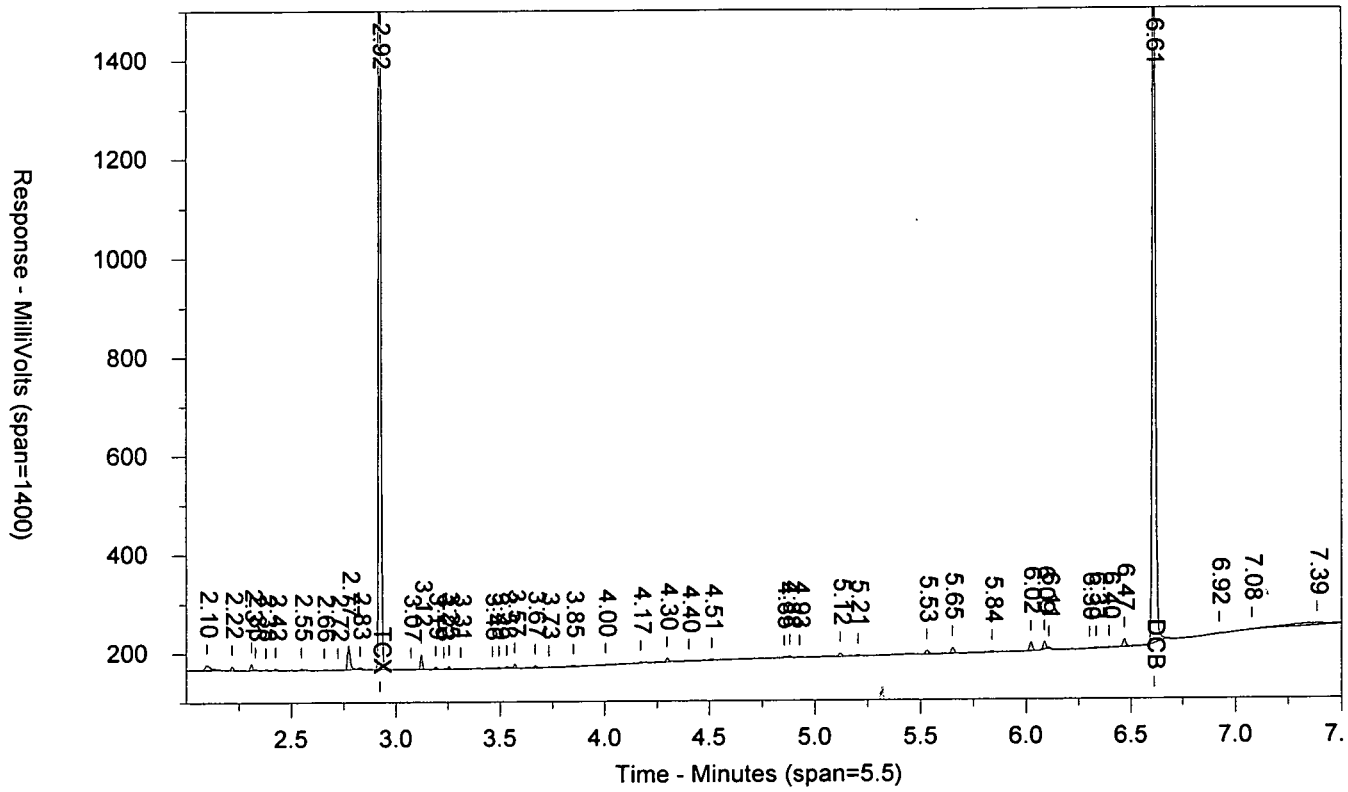

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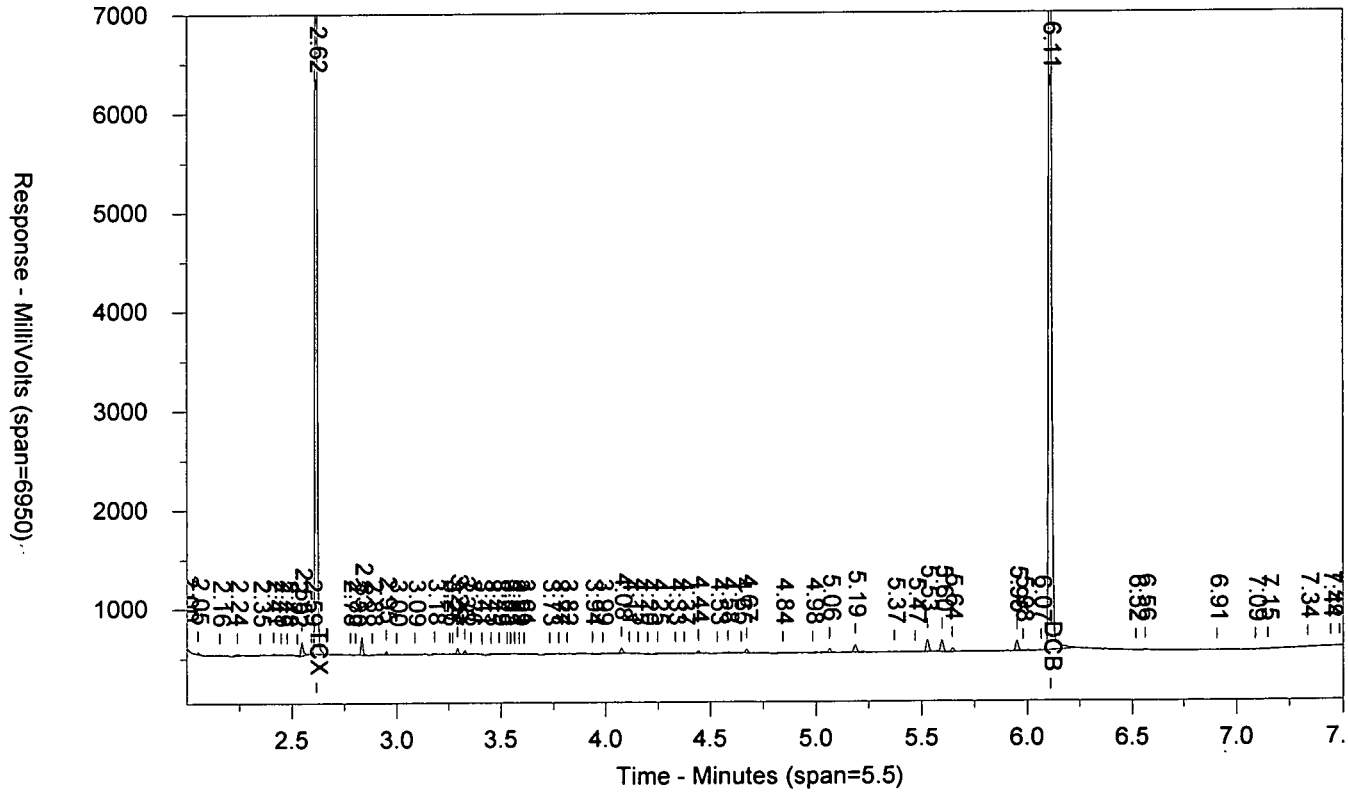

LANCASTER LABORATORIES

Sample Number: IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:17:46 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
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
2.923	2190175	.193	TCX	2.615	13497890	.195	TCX
6.614	1571934	.228	DCB	6.11	10753940	.221	DCB

Files:
Area File: 20pcbs17137001.005.RAW
Area File: 20pcbs17137001B.005.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:26:29 PM
File Reported On: 5/18/2017 at 4:29:40 PM

IBLKX1724A AAPIBLKAA PIBLK1713699999 10736 SW-846 8082

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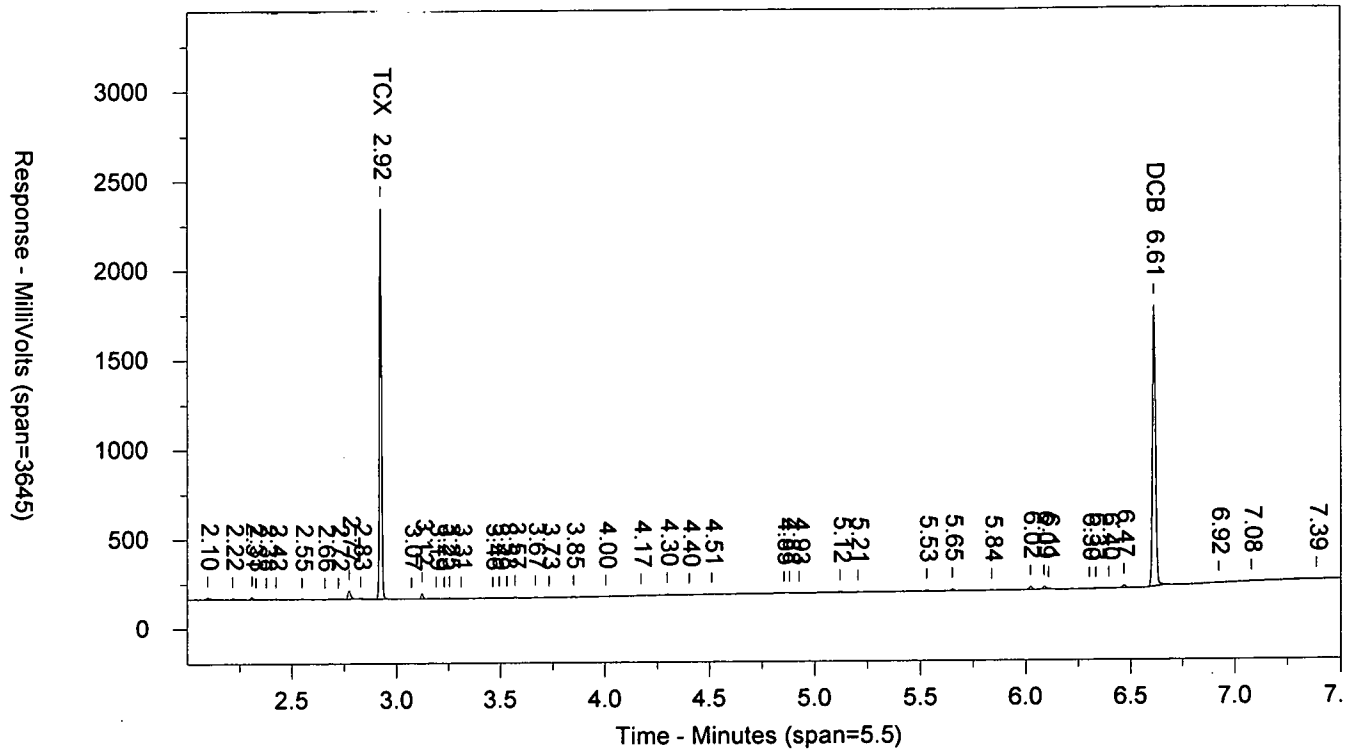

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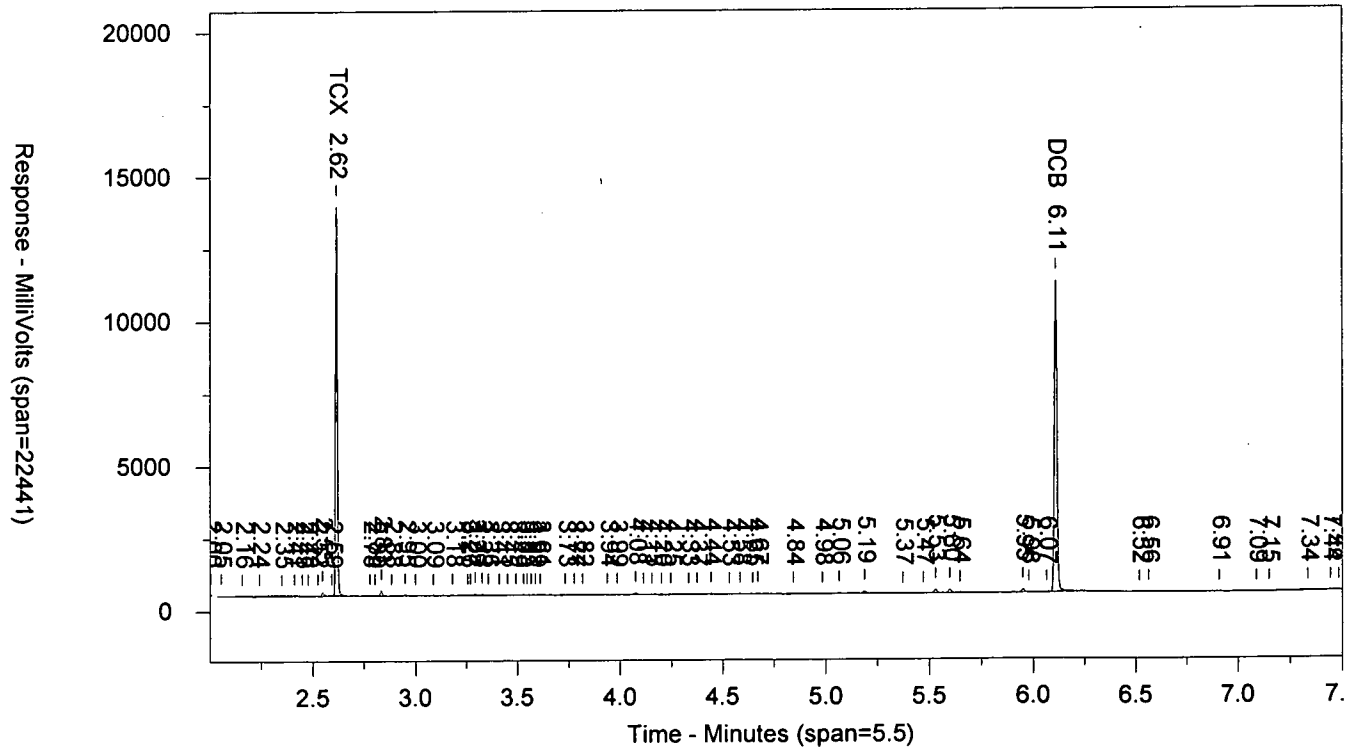


LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.006.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.008		1624	1167
2.101		7371	10860
2.217		8399	7429
2.309		18620	11978
2.338		14739	9903
2.379		2606	2611
2.423		2162	1685
2.509		29438	19036
2.55		1686	1224
2.654		1670	2220
2.773		35235	30417
2.826		1972	2066
2.923	TCX	2460172	1623398
3.01		1632	1479
3.123		33806	21250
3.211		1725720	1092090
3.254		5711	3625
3.314		12287	8575
3.411		1402945	899740
3.442		9768	6672
3.492		5104	4391
3.534		569689	379626
3.568		5067	3080
3.666		12209	10276
3.704		44691	33344
3.734		2288	1309
3.767		2180	1485
3.813		79946	61777
3.843		5973	4931
3.874		1261	822
4.001		12899	15289
4.061		2307	1658
4.09		49517	40401
4.139		2155	1823
4.17		67525	52608
4.208		12247	7397
4.225		5406	3014
4.27		1848	1439
4.296		7128	6910
4.355		1919	1495
4.384		138315	120383
4.468		5188	4255
4.506		5755	5240
4.55		27651	22160
4.575		32043	24966
4.648		4020	4663
4.707		102957	94947
4.808		130465	119663
4.846		4414080	3876867
4.875		27356	16358
4.895		10283	6114
4.952		654121	579979
5.033		29424	39829
5.113		42736	43441

RT A	Compound A	Height A	Area A
5.152		6443	4881
5.187		5836710	5297173
5.271		24660	25711
5.412		187087	196560
5.49		2880	2241
5.552		6439295	6244735
5.613		60706	60886
5.646		168866	152231
6.021		23261	23179
6.087		20904	18362
6.199		626	1637
6.467		16456	16731
6.612	DCB	1519815	1611921
6.73		786	616
6.92		1334	5813
7.072		1133	3469
7.239		772	6425
7.924		680	1322
8.516		847	1017
8.679		4882	6584

LANCASTER LABORATORIES

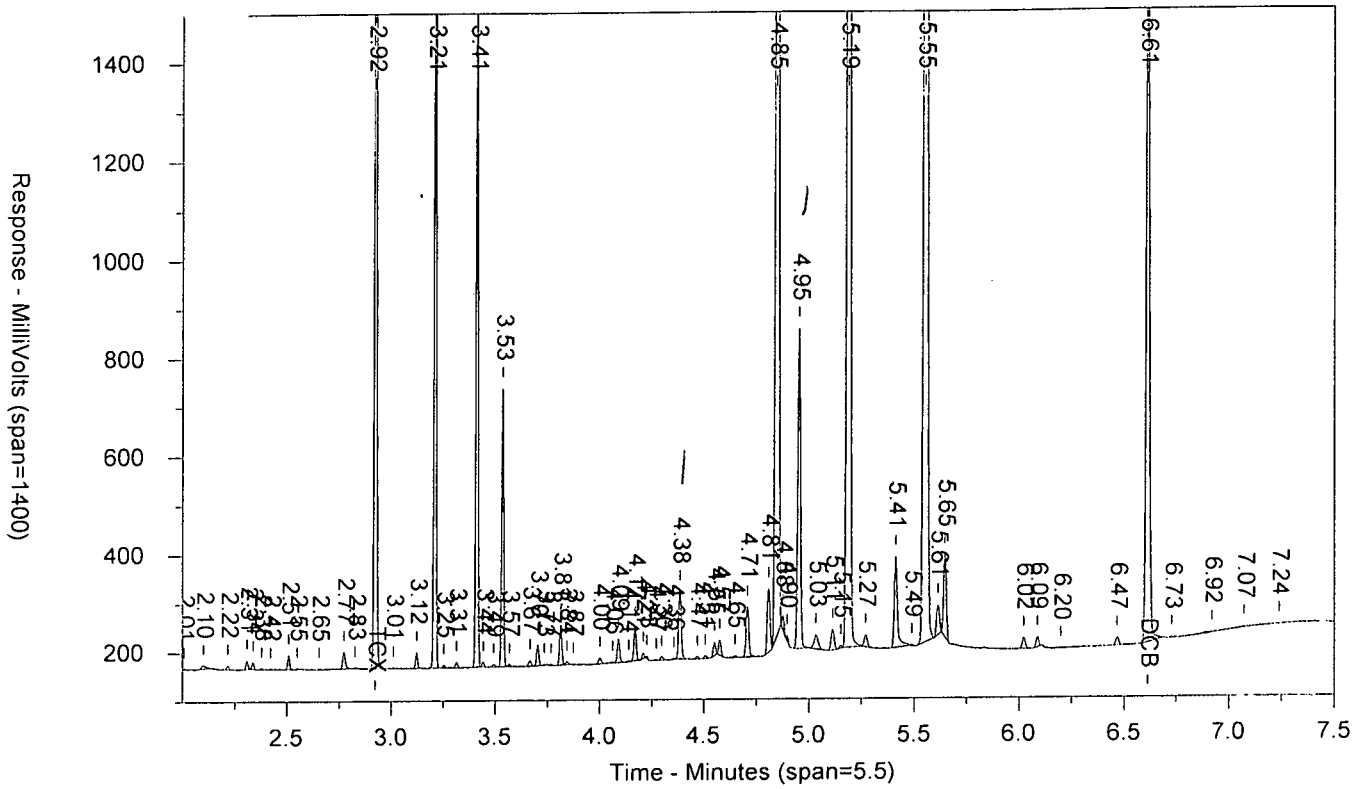
Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137001B.006.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		14482	11251
2.054		22745	20859
2.12		4385	8263
2.154		121521	73021
2.186		4436	2339
2.204		8667	4053
2.24		20163	23511
2.268		4725	5305
2.322		194490	112481
2.369		6264	5355
2.396		1729	834
2.411		7627	6280
2.478		7873	10620
2.522		6489	7195
2.547		105282	86294
2.616	TCX	14968390	8787316
2.704		9697	5007
2.718		5603	2228
2.779		8495	5483
2.803		4948	4411
2.833		207107	126873
2.89		10312	15863
2.961		10984870	6007818
3.059		3357	2026
3.079		72492	44904
3.116		67078	42944
3.146		7567	3557
3.17		9248478	5090297
3.244		9563	7302
3.267		32281	20797
3.292		41291	25708
3.326		90391	52125
3.35		3801724	2184023
3.374		4366	5309
3.41		32735	20812
3.435		30054	16514
3.452		36835	19002
3.473		715957	482484
3.505		37058	21115
3.548		36403	21279
3.585		9194	34912
3.671		24171	37074
3.713		17698	21822
3.764		423272	233629
3.779		226943	108386
3.812		11252	6099
3.84		108947	71115
3.861		70008	42812
3.887		19680	27531
3.937		8253	4736
3.955		2925	1184
3.974		12077	5987
3.994		940574	639080
4.021		11676	7618

RT B	Compound B	Height B	Area B
4.072		73094	65439
4.111		10405	5451
4.127		12904	6587
4.15		266808	204023
4.192		27297	24076
4.246		214695	192948
4.299		10116	10420
4.369		682745	487834
4.392		9047	4887
4.429		28209590	21447590
4.468		143269	105580
4.521		4757546	3559945
4.565		43817	42054
4.634		185888	163363
4.67		41971	26791
4.701		40345090	30605000
4.76		382204	309202
4.791		32127	20828
4.82		2814	2204
4.844		5379	2654
4.872		121340	110022
4.913		4445	3157
4.984		5839	4612
5.027		950339	835636
5.063		38994	28367
5.132		36772390	31724590
5.187		293744	245486
5.243		2909	934
5.309		1426719	1222632
5.362		36658	31012
5.451		3244	4446
5.528		165758	136380
5.596		155772	138050
5.644		41938	37196
5.9		2733	3027
5.95		119068	97353
5.981		3788	2404
6.072		2112	1528
6.11	DCB	11184720	9742197
6.46		7048	6308
6.559		6404	6016
6.792		4598	4703
6.974		1919	2643
7.149		2127	3361
7.357		4626	26426
7.436		2271	7973
8.219		16862	38949

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.006.RAW



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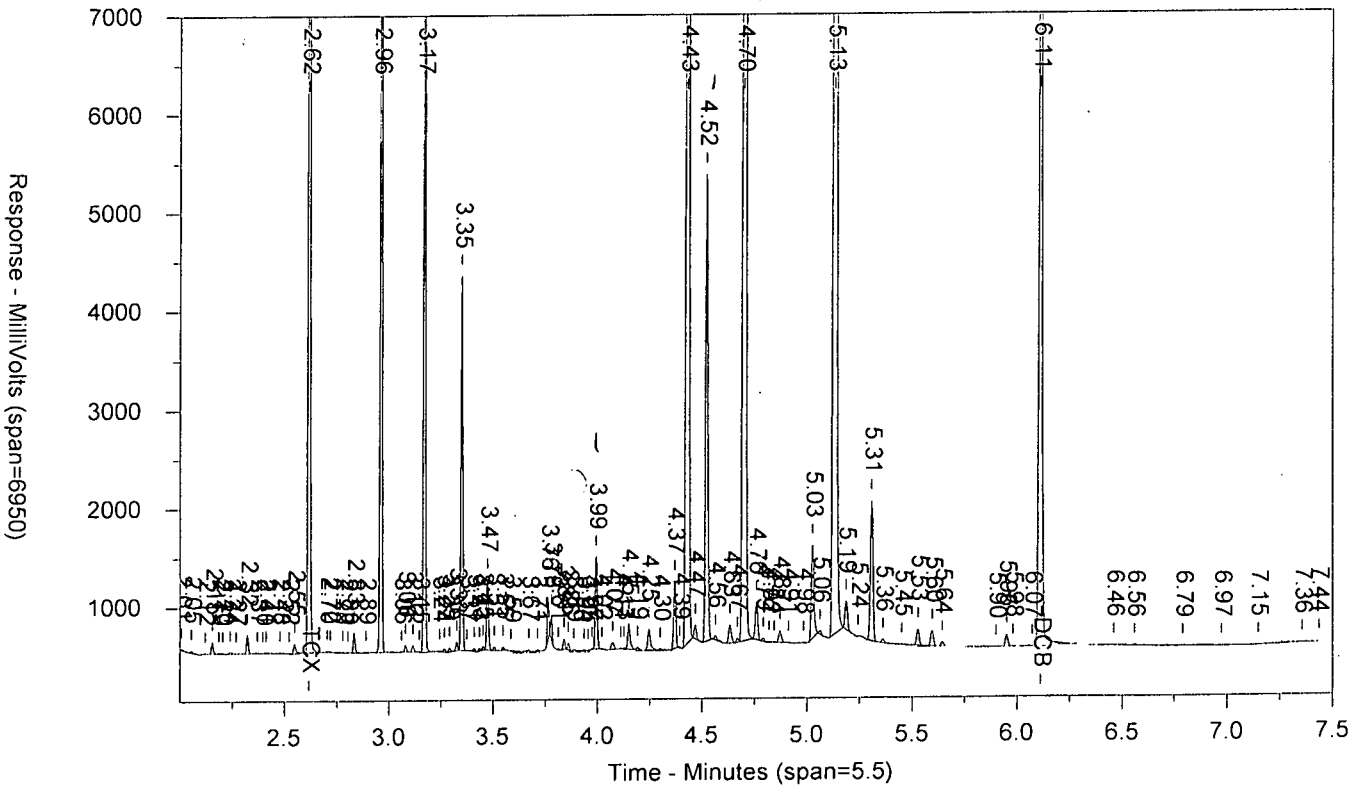

LANCASTER LABORATORIES

Sample Number: EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:29:04 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	2460172	22.902	TCX	2.616	14968390	22.91	TCX
6.612	1519815	24.622	DCB	6.11	11184720	25.991	DCB

Files:
Area File: 20pcbs17137001.006.RAW
Area File: 20pcbs17137001B.006.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:37:49 PM
File Reported On: 5/17/2017 at 5:37:57 PM

EVALX1624B AAEVALXAA ICAL 1713699999 10736 SW-846 8082

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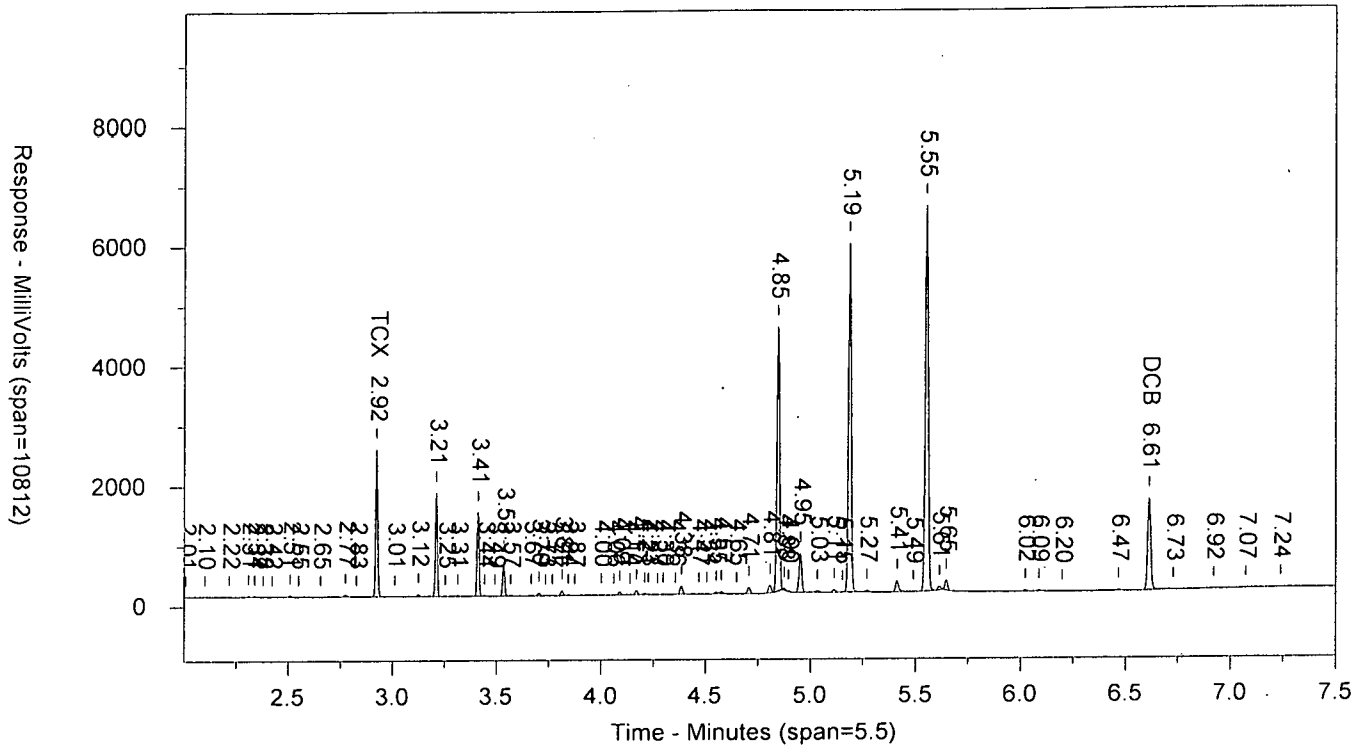

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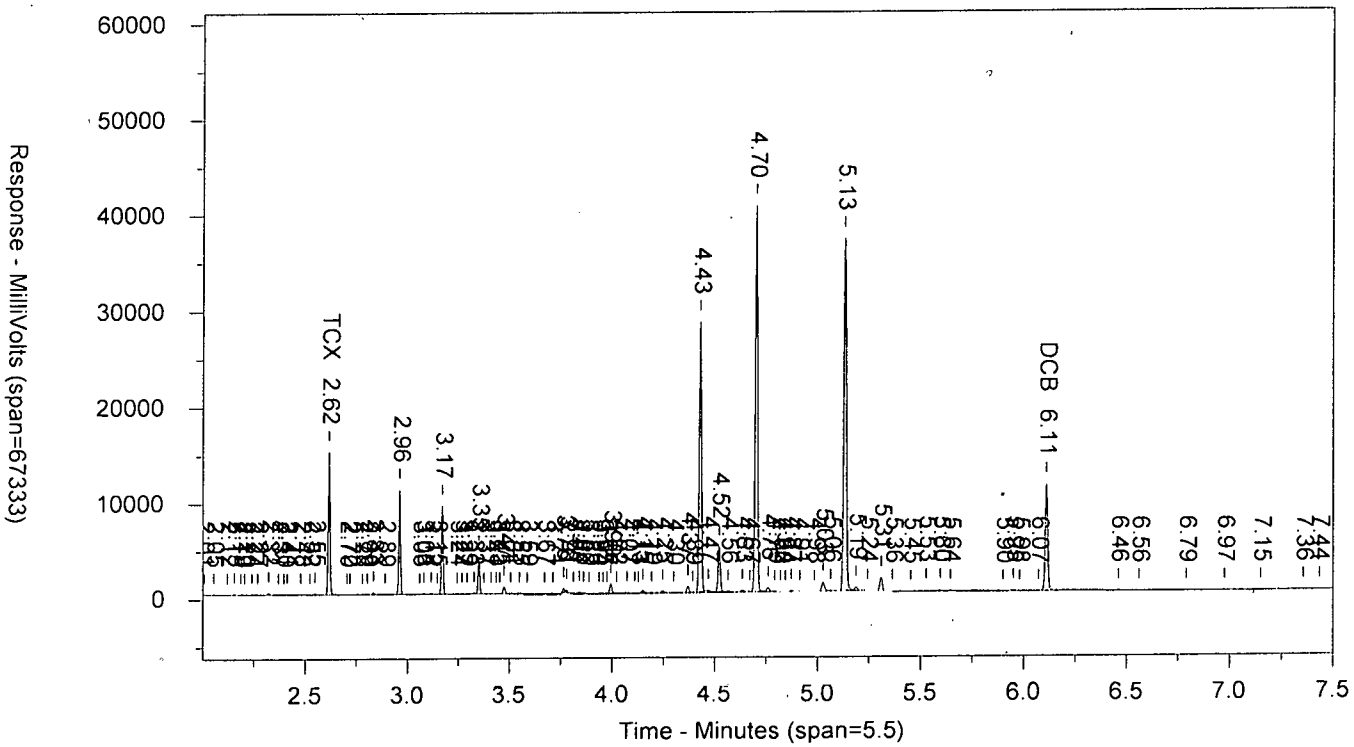

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.007.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5030	7332
2.217		1689	2019
2.309		7898	5457
2.377		1869	2223
2.423		2440	2031
2.565		2227	3976
2.658		1459	1402
2.773		34447	29199
2.827		3131	3187
2.923	TCX	439163	304512
3.075		16714	13357
3.133		24008	19362
3.181		115327	83705
3.253		1230	672
3.274		13394	9037
3.362		1146	998
3.396		120312	73269
3.413		54894	28489
3.45		12030	6956
3.465		3190	1341
3.482		9510	5697
3.512		131734	94987
3.567		1429	596
3.586		3671	2323
3.623		27306	14988
3.637		12223	5711
3.682		55197	30332
3.692		115430	58325
3.729		141614	105613
3.787		115235	85608
3.827		7567	5439
3.854		88768	63684
3.882		62468	51546
3.904		18854	9831
3.979		93099	68111
4.003		33872	21650
4.033		34114	25177
4.069		92867	94085
4.108		29651	22944
4.155		2676	1829
4.192		5421	4590
4.227		101846	76233
4.247		26119	14483
4.271		25611	17190
4.296		6925	5177
4.338		15592	12807
4.381		111757	101173
4.414		2198	1489
4.477		928	934
4.52		11323	12727
4.574		11742	7109
4.589		24690	16128
4.633		72358	61975
4.679		95806	110688

RT A	Compound A	Height A	Area A
4.717		21883	15696
4.756		221540	208499
4.847		36337	42009
4.876		2754	1718
4.904		42552	38874
4.955		256477	331310
5.005		49436	44998
5.049		117261	134361
5.091		1997	1134
5.128		26578	31367
5.164		298279	333820
5.226		143814	132823
5.27		94362	90867
5.392		167397	235268
5.449		83649	78206
5.489		46146	40727
5.531		11283	11118
5.575		58519	58142
5.63		380872	393052
5.749		1775	1800
5.837		212271	226582
5.874		22083	21698
5.89		17365	13242
6.021		8776	9135
6.085		8818	6732
6.109		38978	33425
6.266		93383	92329
6.311		6360	6439
6.402		890	770
6.467		24934	25639
6.509		1462	1468
6.613	DCB	292286	314385
7.275		1289	136094
7.708		622	608
8.081		1604	8725
8.172		2132	9365

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.007.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		7218	4858
2.158		4903	6510
2.239		14231	20658
2.299		6773	4539
2.341		2055	1220
2.413		11229	15491
2.476		7270	9882
2.524		5336	4794
2.546		104260	80541
2.59		4628	2207
2.615	TCX	2640776	1593663
2.659		53145	38561
2.786		115100	73207
2.833		21446	9121
2.846		123353	64484
2.898		634997	397671
2.947		7200	4876
2.987		3160	1552
3.009		78832	48440
3.105		551272	270340
3.116		191383	77393
3.156		82462	49540
3.178		48365	29316
3.203		68726	37767
3.227		780216	514401
3.264		30774	18982
3.291		9837	4391
3.309		201489	105153
3.325		180178	90916
3.354		3752	1463
3.375		469917	215893
3.385		845000	357673
3.406		31187	12774
3.419		752133	491846
3.493		860044	540859
3.528		602607	382250
3.551		667084	370186
3.57		219151	109982
3.655		758311	496131
3.678		283141	155069
3.699		266412	157547
3.728		190487	93215
3.745		637243	377285
3.786		230188	163467
3.832		35349	29306
3.855		169352	101815
3.877		836604	553781
3.902		177422	107574
3.922		26726	12713
3.94		98699	60148
3.976		707712	487028
4.01		32404	18718
4.025		57052	35322
4.074		57954	53232

RT B	Compound B	Height B	Area B
4.12		56491	58051
4.177		184930	121434
4.22		168725	97314
4.238		189321	90550
4.252		450355	251715
4.277		284748	286570
4.329		1478677	1134179
4.376		26192	21854
4.399		165171	109883
4.423		353316	254455
4.466		1739197	1355768
4.529		3128	3975
4.568		1360754	1333148
4.622		179897	147830
4.66		404675	339873
4.697		1696137	1441283
4.729		841989	586499
4.767		590198	472707
4.841		7533	5854
4.867		198201	206944
4.918		1082249	838066
4.942		155954	101225
4.992		568330	526649
5.028		293411	236387
5.058		215665	180586
5.09		85824	54806
5.112		2307434	1918536
5.154		52429	37796
5.185		110201	87756
5.304		28246	18108
5.327		513235	422231
5.372		1525920	1657357
5.528		60252	50969
5.572		42881	32403
5.596		47967	37129
5.645		284864	253220
5.751		628226	519376
5.782		35004	25848
5.835		5229	6689
5.951		166736	149749
6.109	DCB	2056760	1891892
6.29		2464	2798
6.717		1883	2247
7.048		3303	6502
7.442		1852	24801
7.617		2187	7879
7.849		2043	3156
7.914		2219	2606
8.216		14868	25915

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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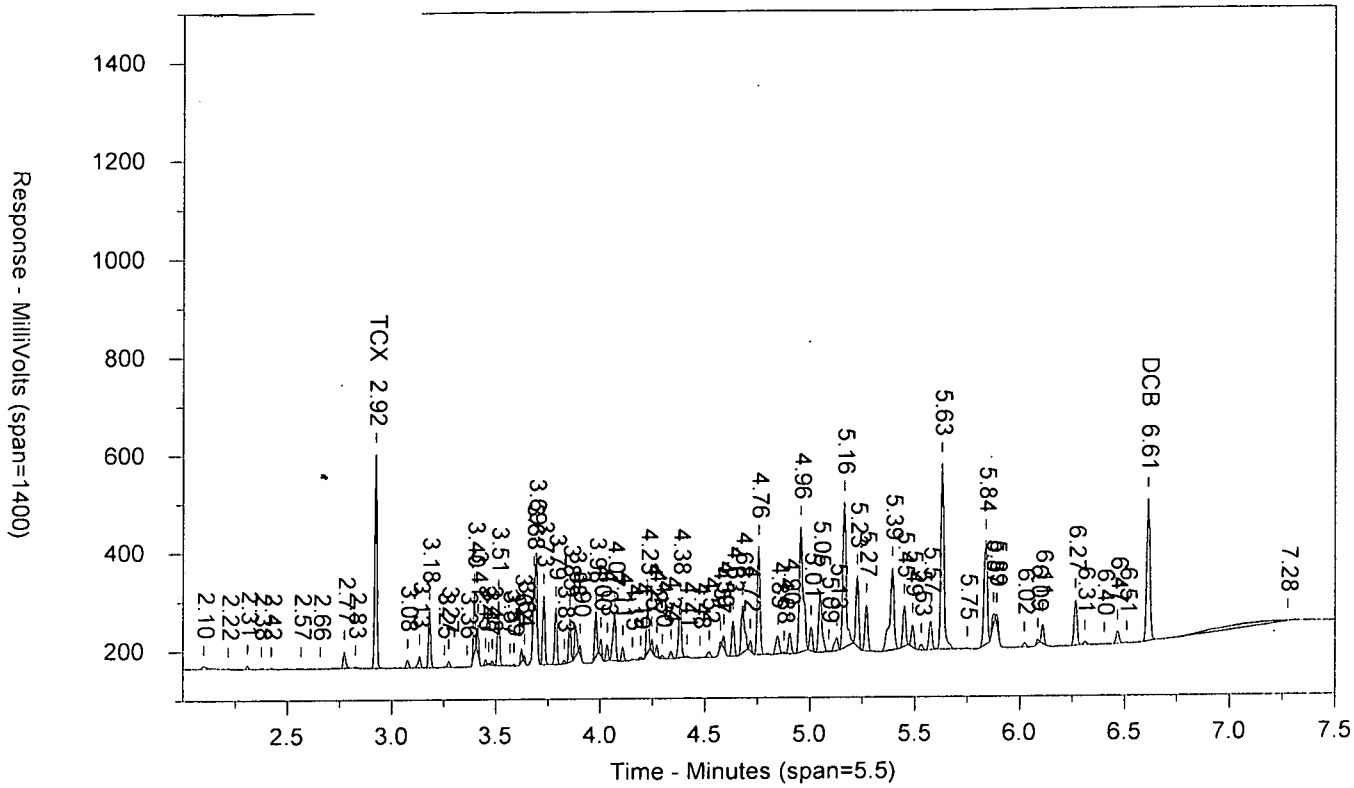

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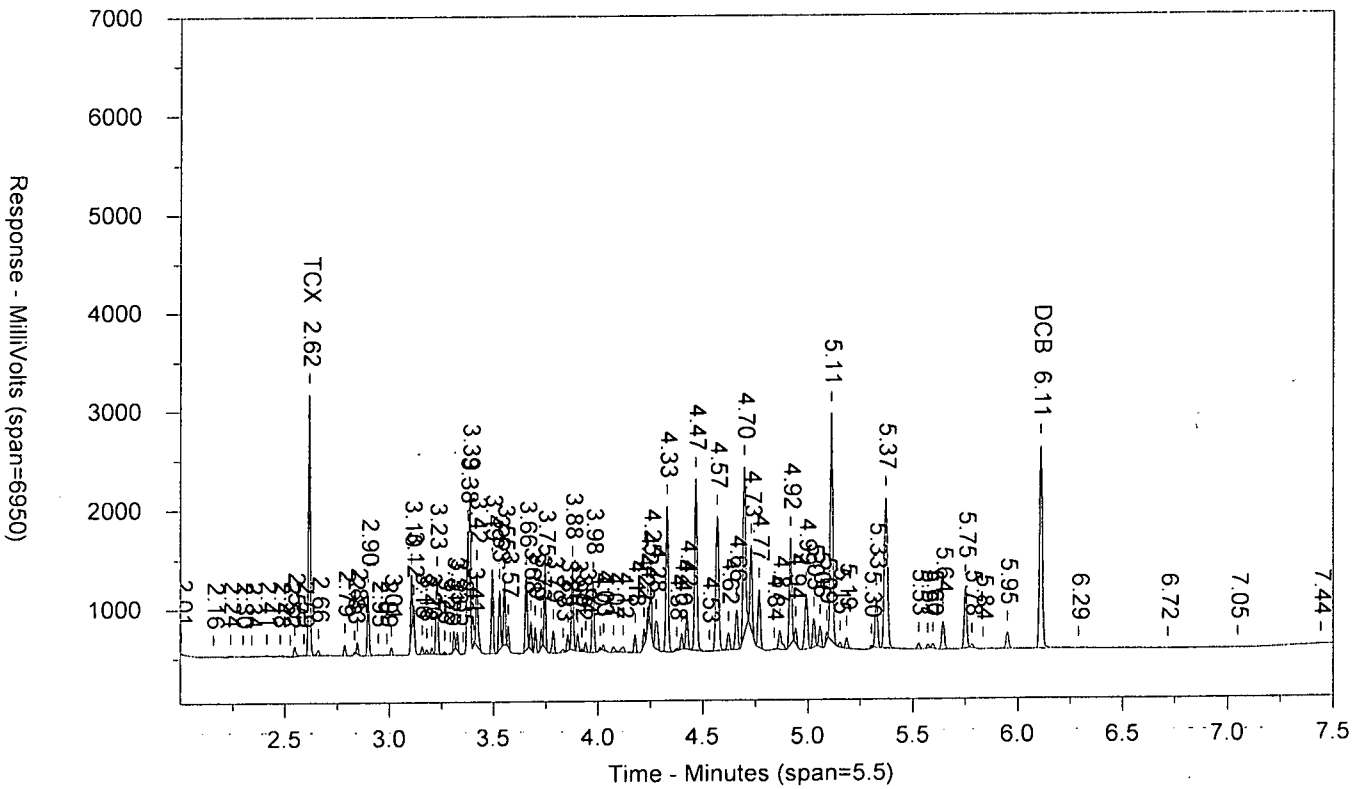

LANCASTER LABORATORIES

Sample Number: AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:40:39 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	439163	4.088	TCX	2.615	2640776	4.042	TCX
6.613	292286	4.735	DCB	6.109	2056760	4.78	DCB

Files:
Area File: 20pcbs17137001.007.RAW
Area File: 20pcbs17137001B.007.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 5:49:21 PM
File Reported On: 5/17/2017 at 5:49:32 PM

AR1611724A AAAR161AA ICAL 1713699999 10736 SW-846 8082

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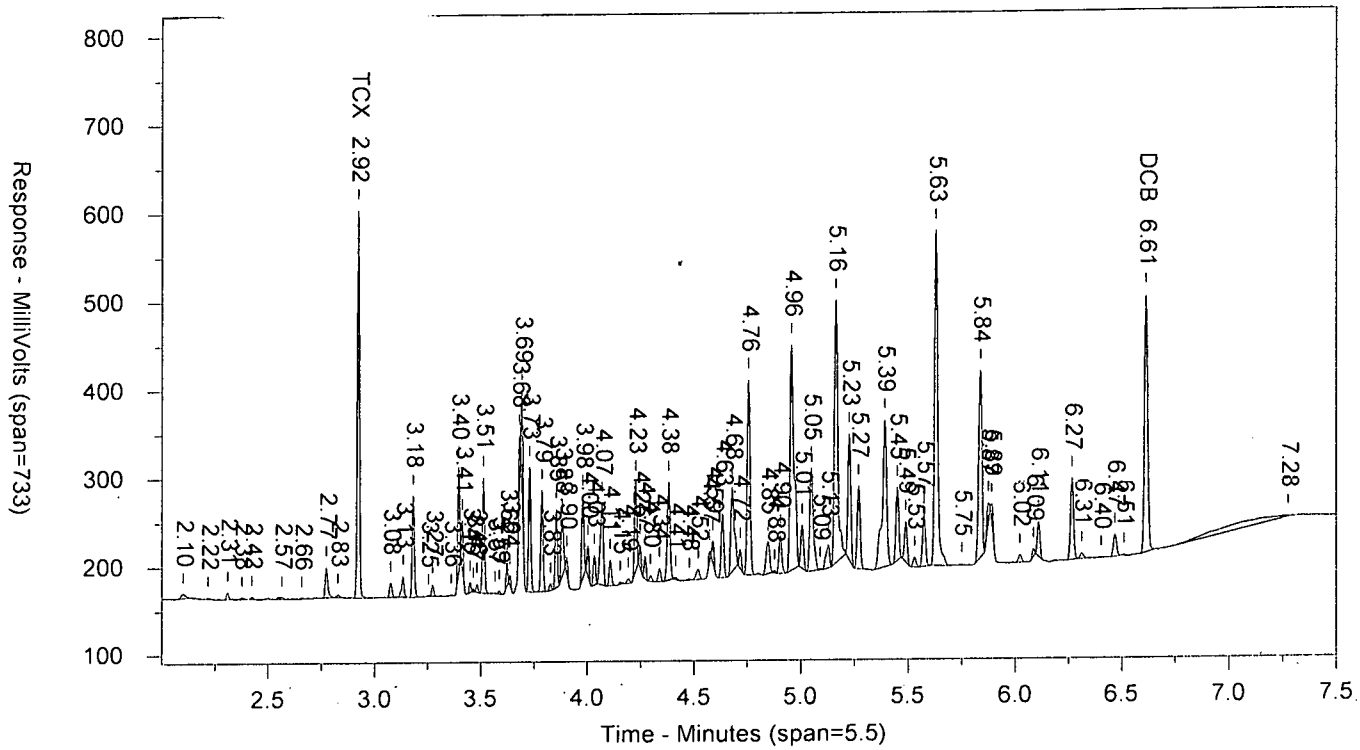

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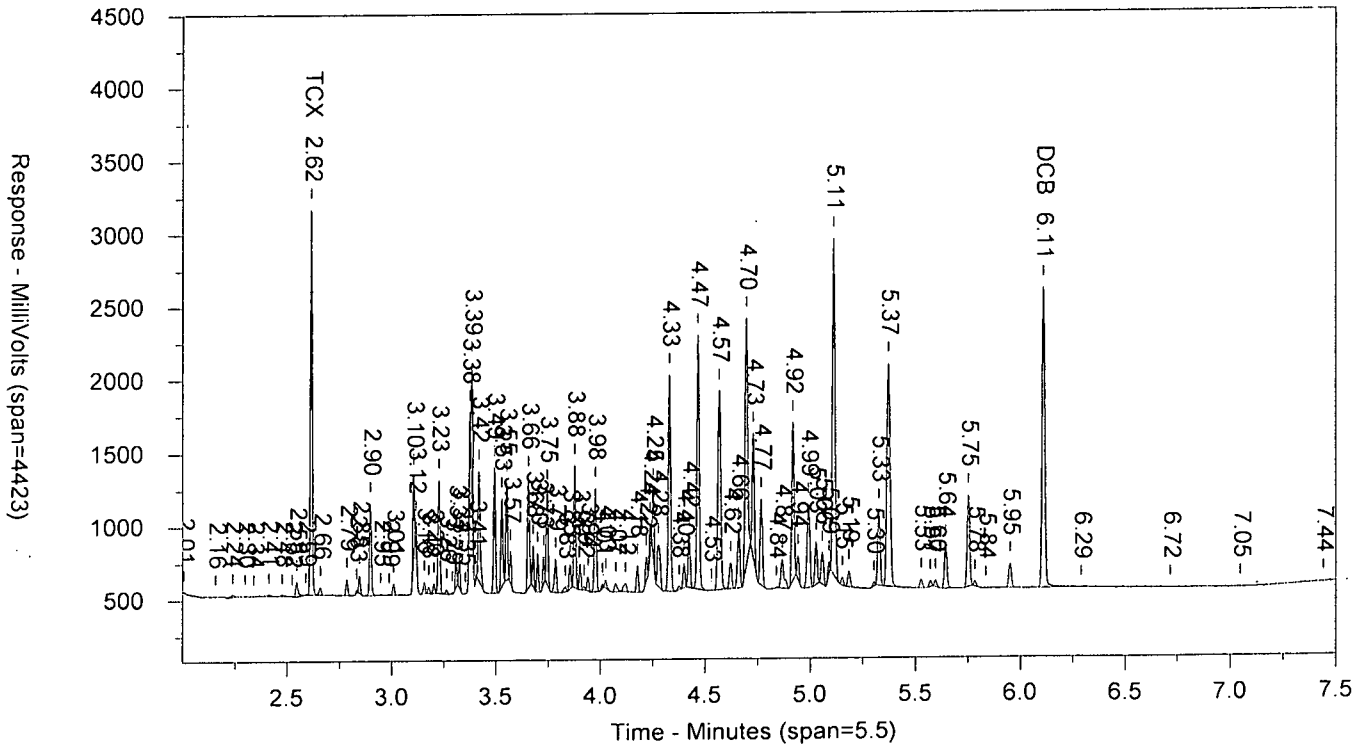

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.008.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.097		13540	19690
2.138		3661	4018
2.217		7933	6528
2.309		11858	7535
2.328		2127	1251
2.375		2225	2434
2.424		3170	2540
2.498		1183	1693
2.548		1614	1022
2.565		1999	1321
2.658		1614	1316
2.717		948	639
2.773		47248	42470
2.827		3758	4035
2.922	TCX	2257924	1485899
3.075		34107	28402
3.132		48038	50452
3.18		214919	155457
3.252		4507	2619
3.273		26478	17507
3.314		1081	872
3.394		214700	132119
3.411		96060	51223
3.448		23977	13692
3.464		5399	2229
3.48		18819	10959
3.51		242210	178804
3.565		6869	4008
3.584		6665	3750
3.62		52003	29221
3.635		24971	11537
3.679		107198	57152
3.69		232544	118658
3.726		269286	198281
3.785		206316	165115
3.825		16812	11561
3.852		159305	118078
3.88		115749	98563
3.901		37777	19764
3.976		174917	127310
4		60309	39304
4.031		69171	49099
4.066		175291	180089
4.106		55181	45864
4.152		6911	5309
4.19		9349	7736
4.224		190195	141867
4.245		48163	27742
4.268		50265	35074
4.293		6791	4933
4.335		30070	25288
4.379		208270	190273
4.412		5250	3396
4.476		2462	1994

RT A	Compound A	Height A	Area A
4.516		25386	26547
4.571		18012	13020
4.585		43500	28556
4.632		134788	119187
4.676		185626	208360
4.715		45598	31391
4.754		413142	398207
4.798		3360	3530
4.844		74536	79270
4.875		7968	5136
4.901		77113	70877
4.954		491097	632104
5.003		94179	84822
5.047		232102	258527
5.089		3403	2105
5.125		51392	65824
5.161		557327	534061
5.184		15970	7823
5.224		278765	250609
5.267		170321	170018
5.369		18439	22776
5.388		281443	246516
5.448		158580	149215
5.488		87023	76460
5.527		27856	26524
5.573		114799	112472
5.629		700029	785779
5.835		425595	438608
5.876		31141	43202
5.888		30471	20132
6.02		30851	31202
6.084		27614	20447
6.108		68248	61829
6.265		175530	177812
6.31		11695	11514
6.465		56327	59178
6.506		1418	1004
6.61	DCB	1387708	1460917
7.365		668	136252
8.058		933	753
8.685		2743	4536

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.008.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3798	4590
2.054		18157	13357
2.118		3534	1780
2.155		8869	10895
2.239		17605	26795
2.3		12446	8903
2.366		4473	7980
2.394		2329	1095
2.411		13287	12495
2.452		3934	2519
2.477		6695	5043
2.515		7496	10584
2.547		136660	111371
2.592		5695	2843
2.616	TCX	13579360	7959337
2.659		94645	63640
2.786		224189	144427
2.833		133608	61921
2.847		211852	105129
2.899		1178404	733797
2.949		34906	21390
3.01		156963	95408
3.105		1526135	1441358
3.156		159453	96540
3.178		88310	50262
3.203		134920	71990
3.227		1458177	962921
3.264		61647	36489
3.291		54843	26388
3.31		385166	199615
3.325		267484	129362
3.354		4696	2439
3.375		803535	377561
3.385		1807104	751168
3.405		68791	27621
3.418		1422333	916190
3.492		1688703	1027549
3.527		1175757	701174
3.551		1248626	683320
3.568		416377	209749
3.654		1437489	928733
3.676		525665	281296
3.698		492553	290087
3.726		351169	174604
3.743		1226975	706744
3.784		428500	306682
3.832		66728	56776
3.854		326824	196118
3.876		1588328	1045762
3.901		346912	205346
3.92		50747	25009
3.939		182591	111910
3.974		1345733	911713
4.009		68488	39997

RT B	Compound B	Height B	Area B
4.024		115076	71179
4.072		56873	55459
4.119		114941	124332
4.151		6770	3597
4.175		343353	234169
4.219		271781	163753
4.236		319646	168652
4.249		831264	446987
4.276		551121	542930
4.328		2851820	2156147
4.374		44627	40742
4.397		332846	214906
4.422		658816	472198
4.464		3233009	2568987
4.567		2661244	2576777
4.62		362251	291871
4.659		754585	681380
4.695		3381883	2868426
4.727		1577102	1087402
4.766		1203443	910205
4.839		8739	8224
4.865		402435	412938
4.917		2076618	1621308
4.94		294421	195443
4.99		1151881	1009952
5.026		580495	454955
5.056		433055	375356
5.088		183324	111938
5.111		4505800	3780771
5.151		110311	78250
5.184		280212	239060
5.302		54853	34467
5.326		967331	811863
5.37		3235155	3430463
5.526		219280	187370
5.571		78985	58731
5.594		206783	159267
5.644		594795	515845
5.75		1176800	1015599
5.781		71175	51781
5.898		2410	1858
5.949		405676	342310
6.062		2437	1948
6.108	DCB	9871559	8702559
6.279		5787	3577
6.56		7539	9348
6.72		1995	3171
7.043		2323	2755
7.155		1322	2619
7.266		1093	6002
7.486		3047	31201
8.017		2180	1080
8.216		15607	30653
8.675		3931	4394

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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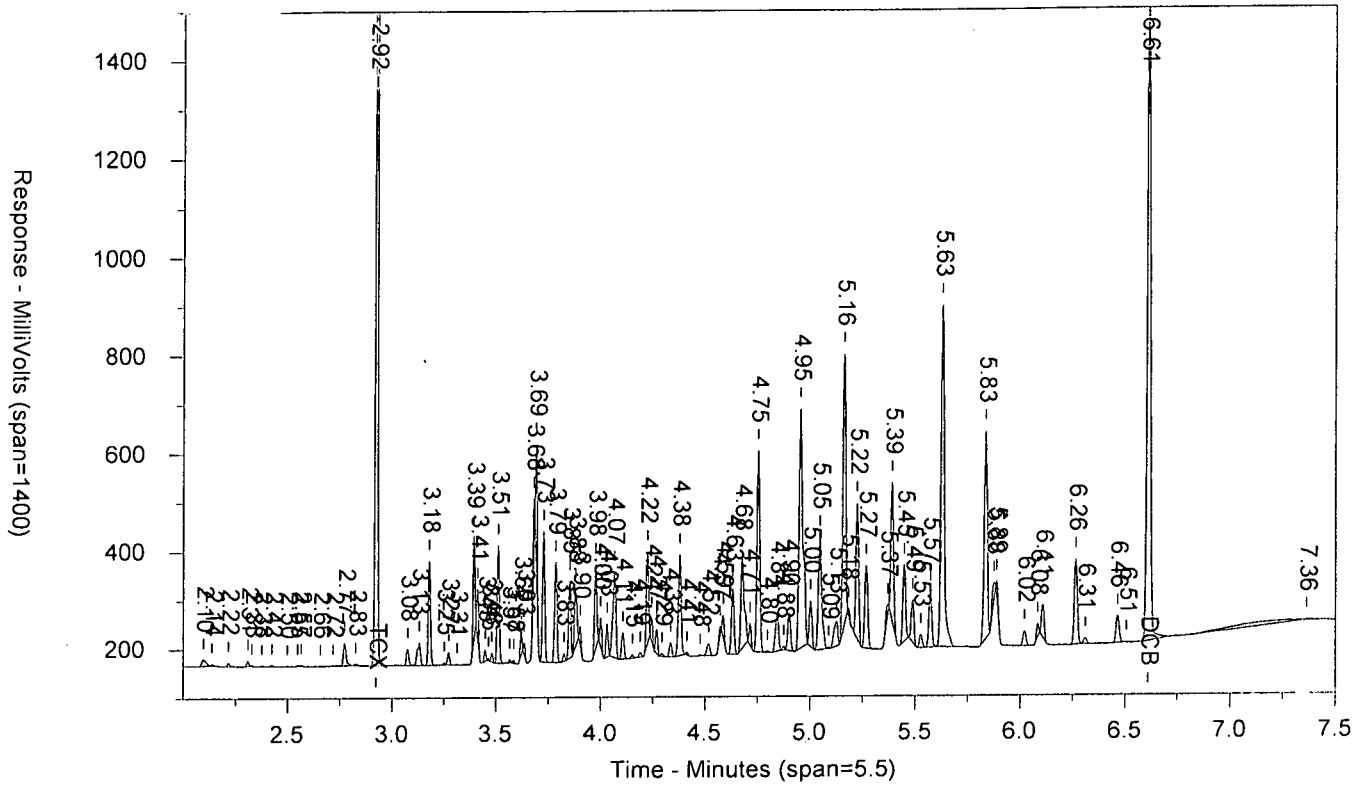

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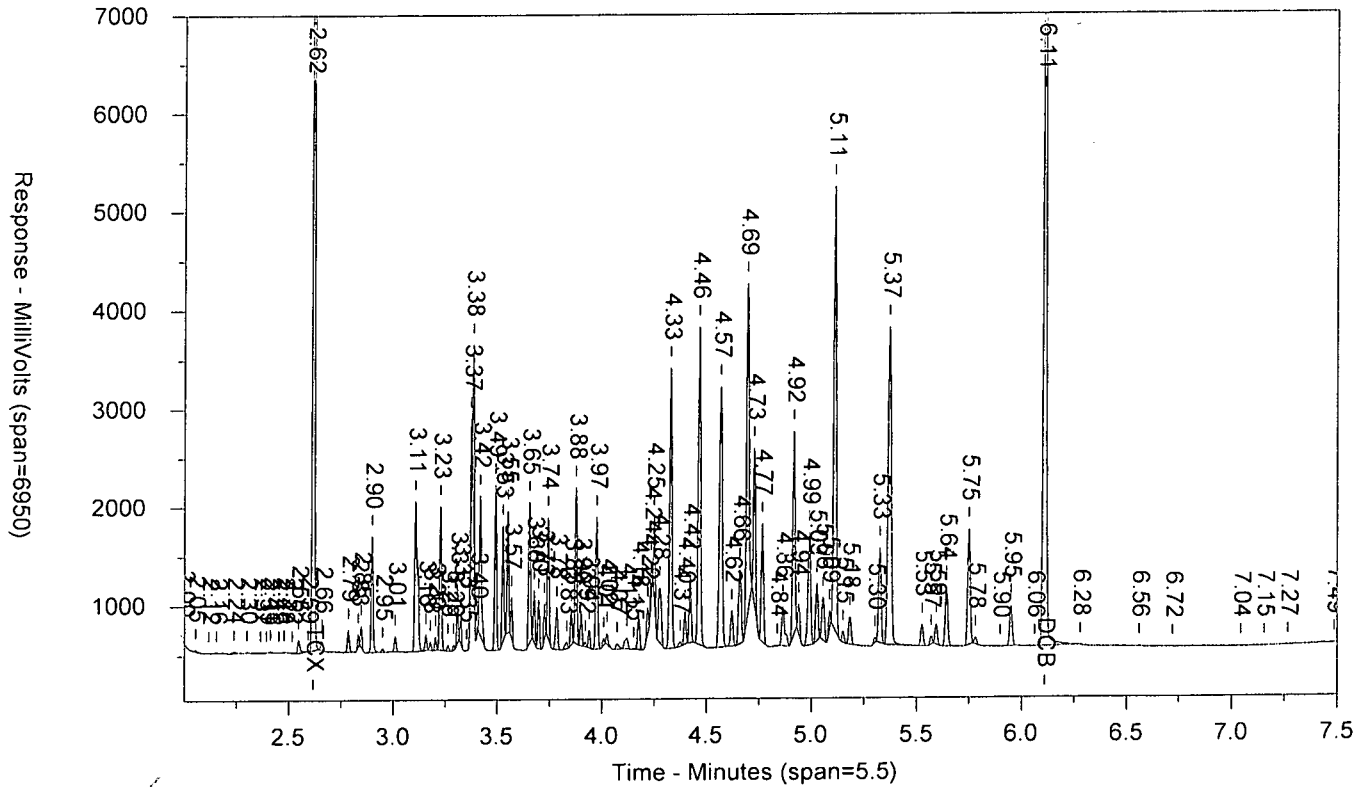

LANCASTER LABORATORIES

Sample Number: AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 5:51:57 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.922	2257924	21.064	TCX	2.616	13579360	20.624	TCX
6.61	1387708	21.947	DCB	6.108	9871559	22.242	DCB

Files:
Area File: 20pcbs17137001.008.RAW
Area File: 20pcbs17137001B.008.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:00:42 PM
File Reported On: 5/17/2017 at 6:00:56 PM

AR1621724A AAAR162AA ICAL 1713699999 10736 SW-846 8082

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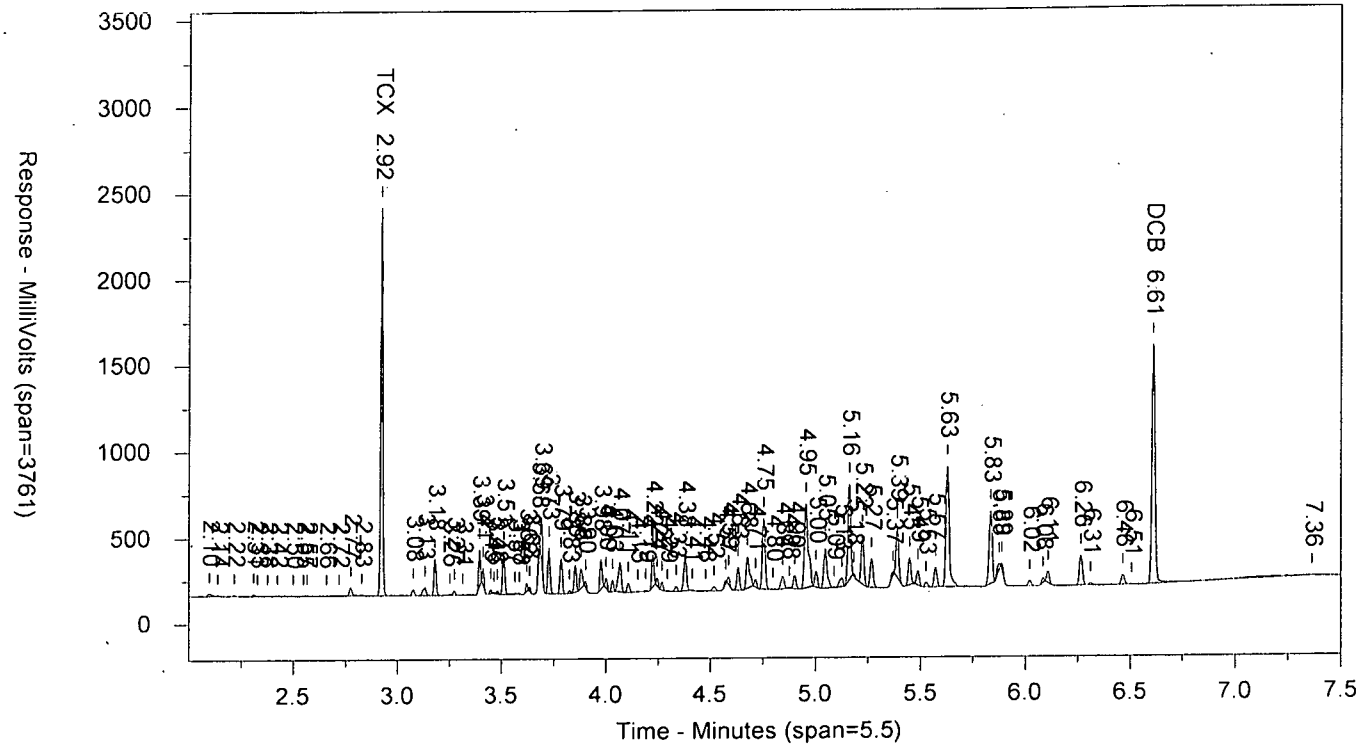

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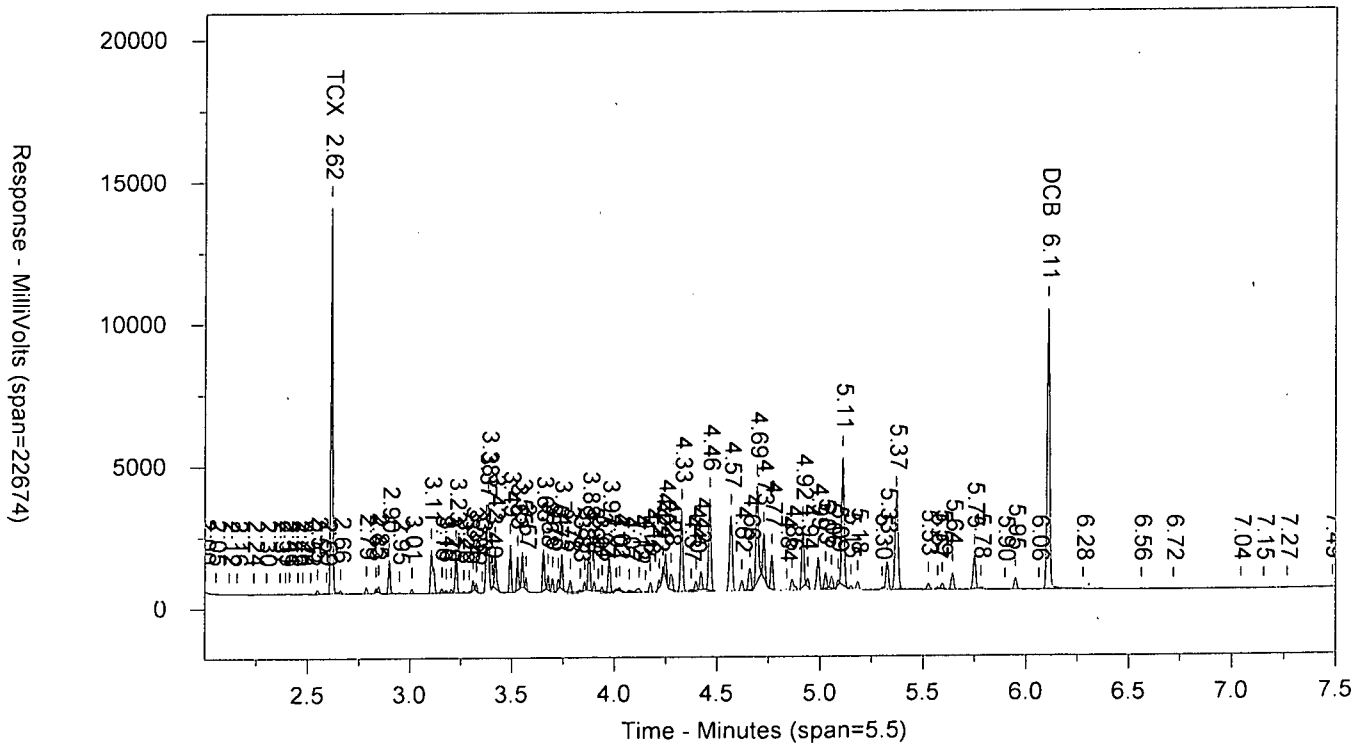

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.009.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4875	7317
2.217		16245	12457
2.309		11276	7029
2.328		5093	2902
2.377		1521	2082
2.423		2661	2288
2.549		1674	1106
2.564		3773	2525
2.659		1182	1447
2.718		1219	1045
2.773		28681	23997
2.828		2722	3390
2.923	TCX	4583477	3064338
3.025		1196	582
3.075		73350	59641
3.132		98428	101047
3.18		409975	293666
3.252		8474	4715
3.273		53227	35214
3.394		416894	248581
3.411		182117	100749
3.448		48582	28287
3.464		13994	5747
3.48		37673	21890
3.51		475744	344425
3.544		1928	987
3.565		12708	7464
3.583		14223	8551
3.62		96546	55483
3.634		44786	21714
3.678		199061	113976
3.689		463509	239758
3.726		499852	390418
3.784		419475	326892
3.824		33603	23708
3.852		309287	222721
3.879		211654	180958
3.9		63472	34960
3.975		339155	245669
4		119996	77365
4.03		131767	95672
4.066		337431	352475
4.105		111476	89933
4.151		15649	11536
4.19		18833	15730
4.224		374455	278366
4.245		95669	53011
4.268		101139	72526
4.293		4918	3038
4.335		58535	50518
4.377		389953	368998
4.412		11005	7507
4.475		4670	3804
4.515		51476	52698

RT A	Compound A	Height A	Area A
4.57		42225	27173
4.584		78892	54729
4.631		256125	229678
4.676		350079	400867
4.714		82838	60527
4.753		835899	774968
4.797		7296	7266
4.843		138850	152065
4.875		13823	9596
4.901		144153	132723
4.953		1001603	1234033
5.002		176285	158196
5.046		453871	503932
5.088		8189	4457
5.124		98318	126461
5.161		1188888	1284119
5.224		548490	484944
5.267		339671	326979
5.389		654544	878308
5.447		305070	284956
5.487		153024	143484
5.527		49534	48435
5.572		225996	214605
5.628		1515702	1559011
5.835		857403	859267
5.875		44920	67292
5.887		74557	51802
6.02		56433	57263
6.084		50165	37586
6.107		134453	114652
6.263		324873	336522
6.309		22470	23495
6.463		103574	112410
6.609	DCB	2576136	2784706
6.842		750	390
7.068		1575	1865
7.342		988	20401

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.009.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		3897	3524
2.054		38641	26045
2.156		7967	7867
2.238		14661	22064
2.3		24979	16801
2.412		14230	14069
2.476		6570	11629
2.526		6316	5645
2.547		84949	53554
2.57		4387	2439
2.592		5795	3046
2.616	TCX	28348640	16358670
2.659		184034	124505
2.703		5318	4611
2.786		443408	291437
2.833		257234	121709
2.847		404769	200069
2.899		2252085	1389333
2.949		70109	40987
2.987		2428	1290
3.01		296112	184502
3.105		2928715	2761084
3.156		326360	200210
3.177		176027	101842
3.203		256586	140402
3.227		2789487	1871652
3.263		122603	70533
3.291		90911	45138
3.309		736245	387782
3.325		466481	228257
3.351		6070	2607
3.375		1515862	731964
3.384		3284824	1391391
3.404		124767	46288
3.418		2853917	1856195
3.492		3389307	2037636
3.527		2191621	1351446
3.55		2432056	1332436
3.568		792136	396971
3.653		2806160	1805006
3.676		1040262	537694
3.697		1008444	580010
3.726		657174	343394
3.743		2377297	1391466
3.783		819339	599156
3.831		139288	119077
3.853		621187	370392
3.875		3134163	2034238
3.9		660093	395958
3.92		112495	53323
3.939		365838	223504
3.974		2574628	1763888
4.008		134536	80096
4.023		219520	135911

RT B	Compound B	Height B	Area B
4.072		56677	64609
4.118		237589	266151
4.151		15363	7720
4.176		730738	518307
4.218		567891	334155
4.236		688492	338526
4.25		1687014	912099
4.275		1011242	1038088
4.327		5576325	4244671
4.374		88741	83162
4.397		622843	408701
4.421		1263757	896821
4.464		6713137	5032174
4.567		5279960	5113443
4.62		693814	582511
4.659		1431562	1307318
4.694		6964376	5648926
4.727		3025769	2132349
4.766		2238904	1774715
4.833		9867	10875
4.865		777766	812497
4.917		3999105	3220758
4.941		584072	375729
4.99		2205804	1940925
5.026		1104384	875098
5.056		851971	718656
5.088		391005	234506
5.111		9640877	7674216
5.151		196846	148733
5.184		536880	449121
5.302		106757	68150
5.326		1843407	1557479
5.371		6430639	6852072
5.527		401545	341436
5.571		169204	116038
5.595		368773	292813
5.644		1123215	984907
5.75		2290661	1941860
5.781		132742	98577
5.949		746038	648465
6.069		2896	1544
6.108	DCB	19151470	16877130
6.285		5179	5217
6.558		13420	10890
7.15		1385	2006
7.305		2352	2674
7.502		1285	11686
7.608		3102	8882
7.839		2096	2758
8.115		1160	1732
8.213		15535	28728
8.449		1784	915

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

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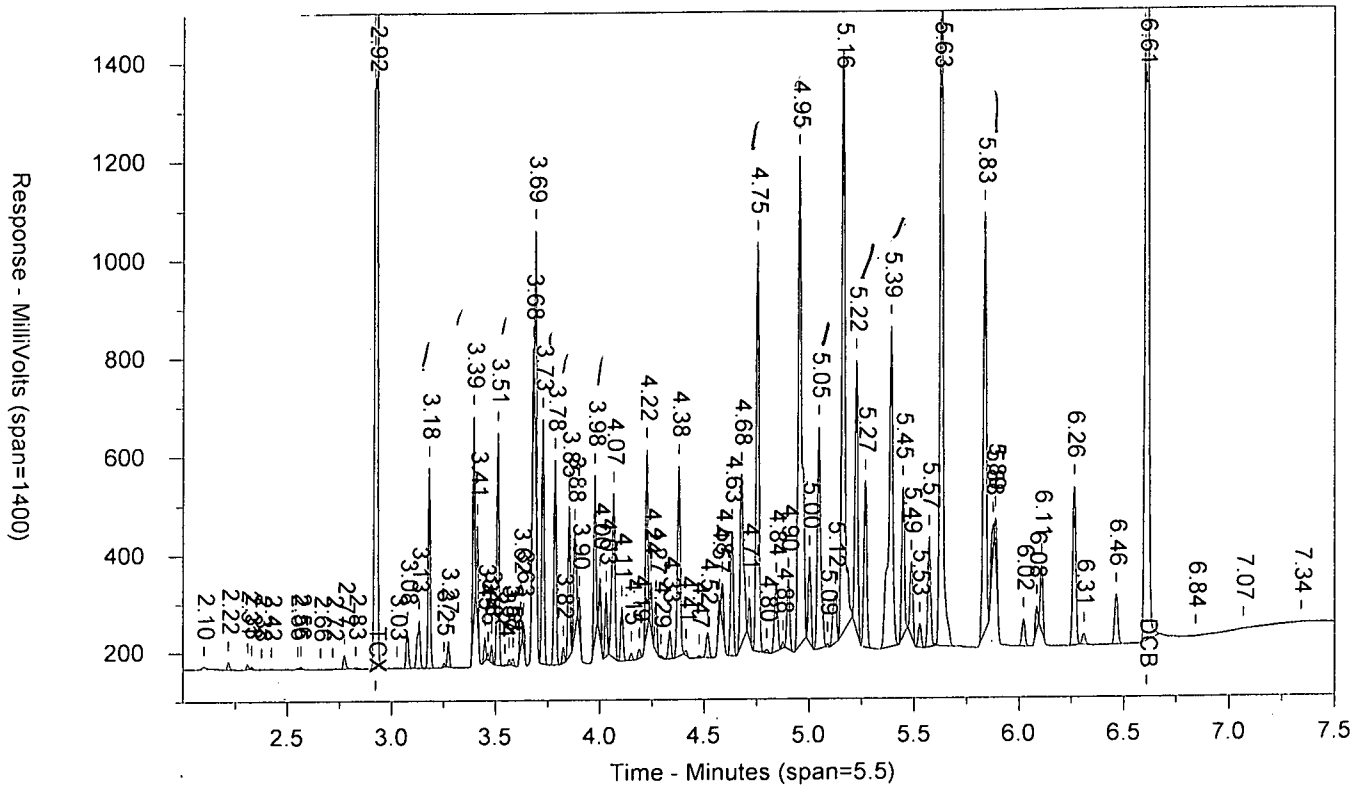

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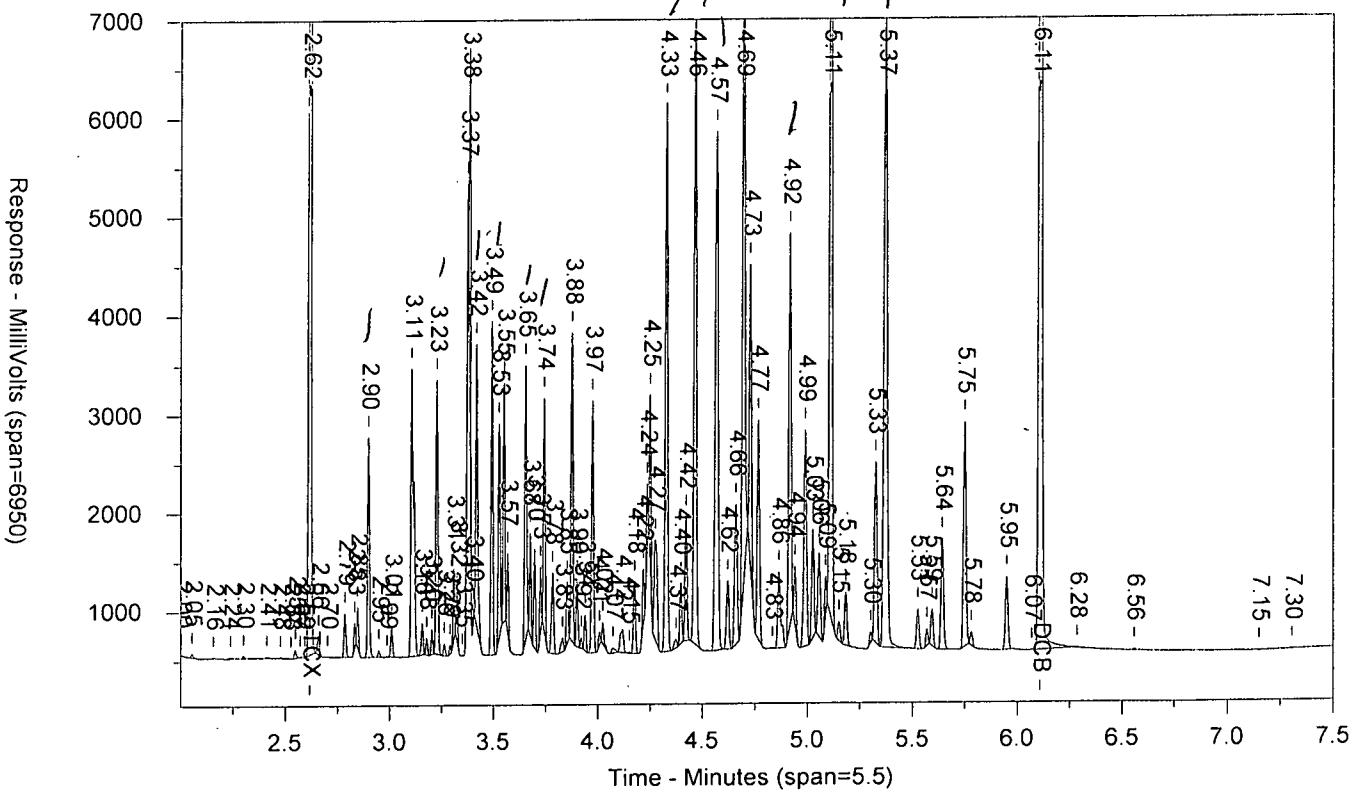

LANCASTER LABORATORIES

Sample Number: AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:03:25 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	4583477	41.945	TCX	2.616	28348640	42.631	TCX
6.609	2576136	39.751	DCB	6.108	19151470	41.876	DCB

Files:
Area File: 20pcbs17137001.009.RAW
Area File: 20pcbs17137001B.009.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:12:08 PM
File Reported On: 5/17/2017 at 6:12:20 PM

AR1631724A AAAR163AA ICAL 1713699999 10736 SW-846 8082

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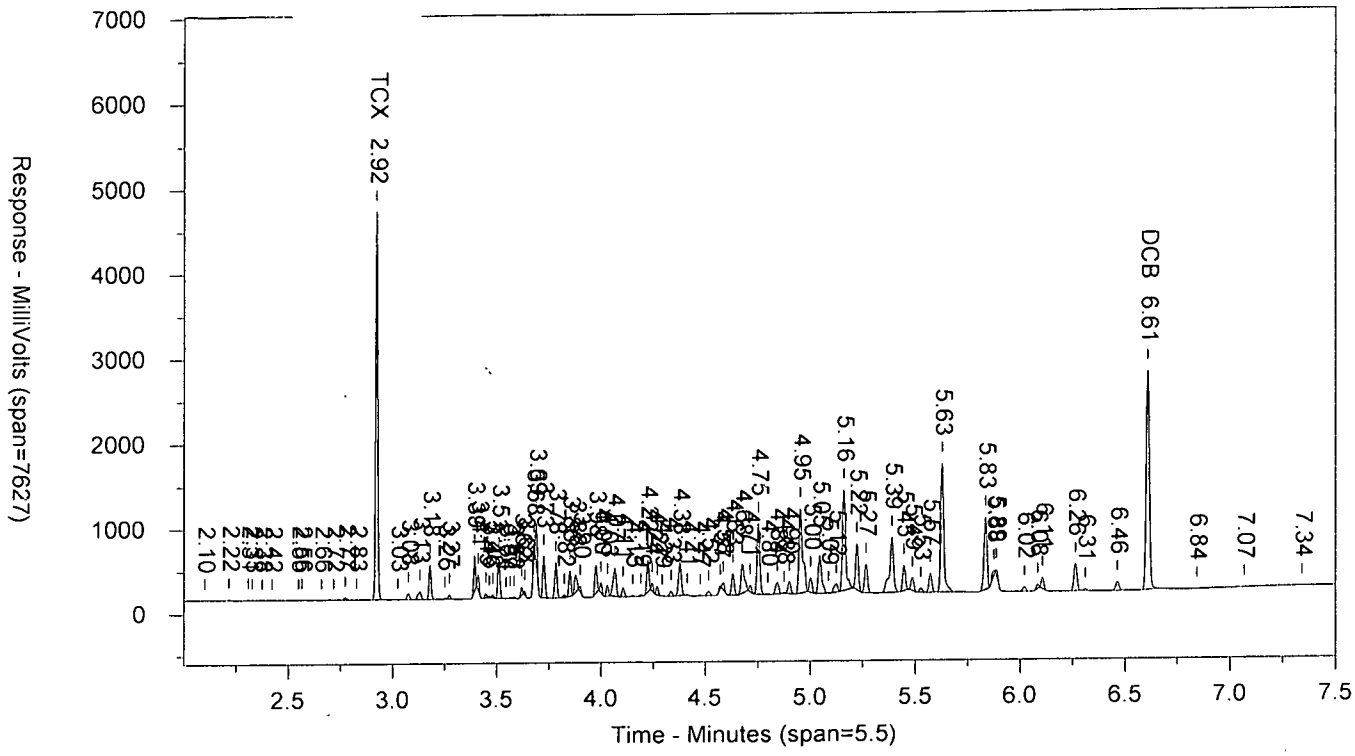

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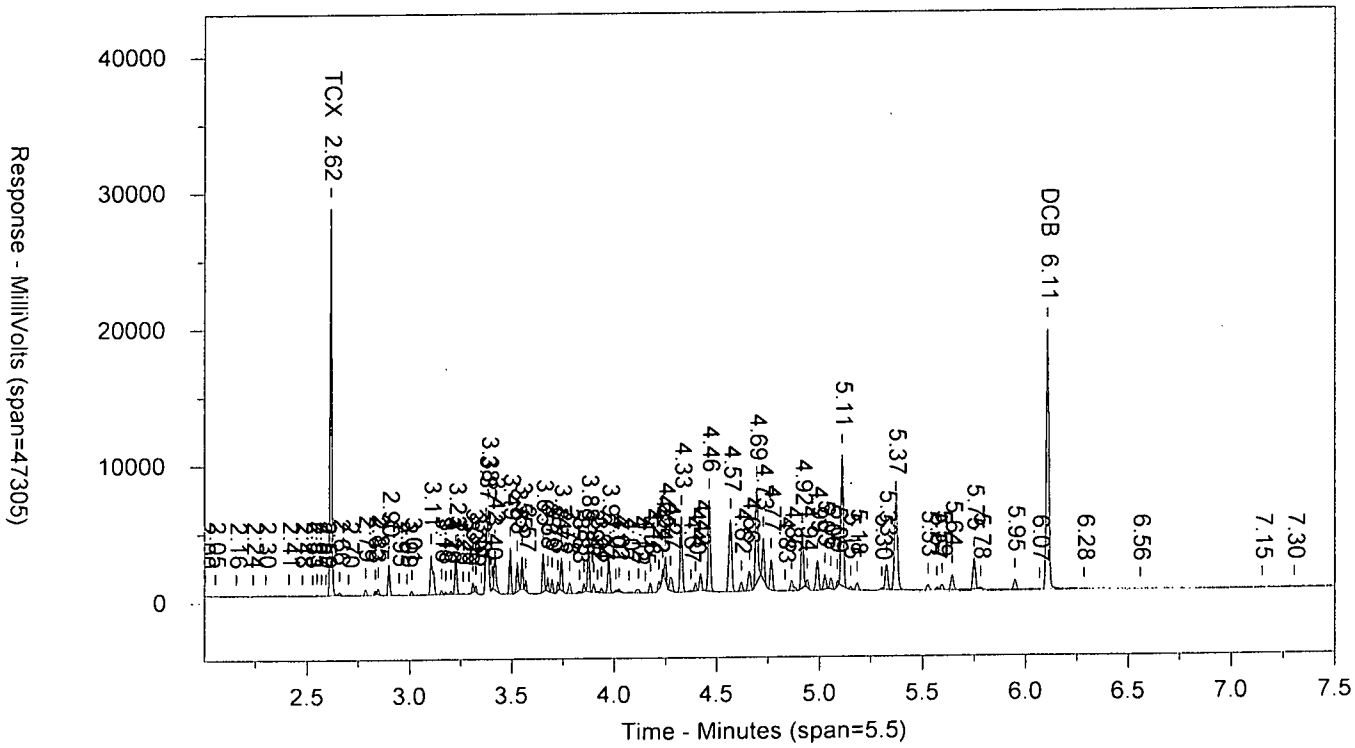

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.010.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		7802	13107
2.217		24346	17440
2.309		8052	4818
2.328		8595	5161
2.379		1775	1919
2.423		3535	3087
2.565		11029	10334
2.658		1358	1216
2.773		36533	30853
2.827		2941	1843
2.922	TCX	7055128	4679450
3.025		1939	1141
3.075		163893	135622
3.132		210148	200775
3.18		952439	674455
3.252		12834	7025
3.274		124046	86386
3.313		3000	2002
3.395		943890	587991
3.412		448034	233176
3.449		114644	66047
3.465		32351	13095
3.482		85160	51948
3.512		1122490	820416
3.547		4887	2454
3.567		25642	14669
3.586		37270	22323
3.622		217201	129379
3.637		101521	49427
3.682		501842	278663
3.692		1109356	575944
3.729		1282676	938411
3.788		1073439	805513
3.827		79118	57255
3.854		694029	518302
3.881		521417	436537
3.903		136364	77601
3.978		812490	589443
4.002		264648	168130
4.032		314537	222325
4.069		825949	855537
4.108		257675	211390
4.154		38561	29564
4.193		44133	36051
4.227		912413	674880
4.247		239214	129598
4.27		227471	170020
4.296		3783	2102
4.337		135916	119240
4.38		980392	883554
4.415		27025	17533
4.477		10712	9237
4.518		115993	121868
4.574		96986	62564

RT A	Compound A	Height A	Area A
4.588		184017	122440
4.634		630232	551697
4.679		880026	969035
4.716		204892	144362
4.755		2071612	1885029
4.798		18261	18028
4.847		314879	352121
4.877		31315	20581
4.903		337668	311027
4.955		2473284	2993109
5.005		411025	365151
5.048		1158517	1232105
5.09		18121	10998
5.127		223776	273392
5.163		3003769	3151692
5.225		1310605	1161296
5.269		833404	777693
5.39		1615414	2123076
5.448		718344	669720
5.489		394625	336938
5.529		100825	99520
5.573		564152	513602
5.63		3847696	3842925
5.717		3442	3044
5.836		2051991	2083465
5.876		121019	191898
5.888		167505	121724
6.021		98046	102282
6.084		94235	69771
6.108		317353	273046
6.265		780653	788907
6.31		52467	51742
6.392		1124	874
6.435		777	574
6.465		221485	234485
6.61	DCB	4164353	4196003
7.067		2944	4135
7.41		899	25450
7.713		915	495
7.79		571	880
8.681		5252	7647

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.010.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		6604	4853
2.054		60961	39670
2.155		4457	5293
2.186		2260	1114
2.239		14180	21279
2.3		57806	37883
2.341		2487	1879
2.366		3727	2653
2.394		2625	1182
2.414		9024	12230
2.476		6445	4713
2.529		8251	7306
2.547		102301	66586
2.572		9850	5114
2.59		3499	1614
2.616	TCX	43097310	24850320
2.659		424688	303108
2.786		982755	655788
2.833		355790	153679
2.847		926759	482275
2.898		5345189	3196626
2.949		106478	59094
3.009		693160	430824
3.105		4545948	2166857
3.116		1601925	606271
3.156		724982	460749
3.178		404203	222497
3.203		573349	323961
3.227		6689352	4403470
3.264		272796	160796
3.291		161744	77713
3.31		1743536	923070
3.325		1046826	520644
3.352		13014	6271
3.375		4020046	1938069
3.385		8716892	3827493
3.405		278379	96237
3.419		6626459	4316888
3.493		7991921	4994863
3.528		5304423	3232900
3.552		5948849	3217704
3.57		1842578	926547
3.656		6807312	4343167
3.678		2267341	1206461
3.699		2373030	1353083
3.728		1541311	787203
3.745		5839000	3397818
3.786		1968153	1405436
3.833		328293	274585
3.855		1483412	892370
3.878		7733864	4935572
3.902		1613905	948363
3.922		258714	122979
3.941		815488	492308

RT B	Compound B	Height B	Area B
3.976		6230428	4220763
4.01		295324	177852
4.025		490950	315937
4.073		26311	15394
4.086		35382	21282
4.12		538100	612103
4.154		27132	13486
4.178		1741648	1230903
4.22		1181687	713704
4.238		1815008	838076
4.251		3832965	2130331
4.278		2518517	2474192
4.33		14120120	10333480
4.376		206486	191754
4.399		1463509	970648
4.424		3128701	2162819
4.466		16503720	12453210
4.521		6161	4722
4.569		13622760	12604940
4.622		1646870	1379023
4.66		3559004	3115238
4.697		17158290	14326240
4.729		7775587	5277966
4.768		5789442	4315444
4.838		23917	28575
4.867		1899421	1946216
4.919		9989858	7894055
4.942		1464685	934394
4.992		5213865	4656452
5.028		2705064	2079418
5.058		1993598	1678350
5.089		1021043	597076
5.112		23558250	19036000
5.153		485896	365722
5.186		1149591	935103
5.261		6680	5206
5.304		241494	156225
5.327		4488744	3719275
5.372		14912590	16700750
5.471		5721	2987
5.528		713455	620771
5.572		388567	283385
5.596		650104	500659
5.644		2643137	2269549
5.751		5771206	4665465
5.782		302025	223685
5.902		5584	3756
5.95		1604101	1361531
6.001		3520	1874
6.068		3994	2370
6.109	DCB	29174170	25164350
6.285		15531	27649
6.558		20982	18648
6.628		2864	6574
7.128		2185	2279
7.326		1668	5555
7.47		3674	15011
7.842		3070	4425
8.046		1803	2113
8.216		14231	23577
8.325		1324	2270
8.625		1642	3057

AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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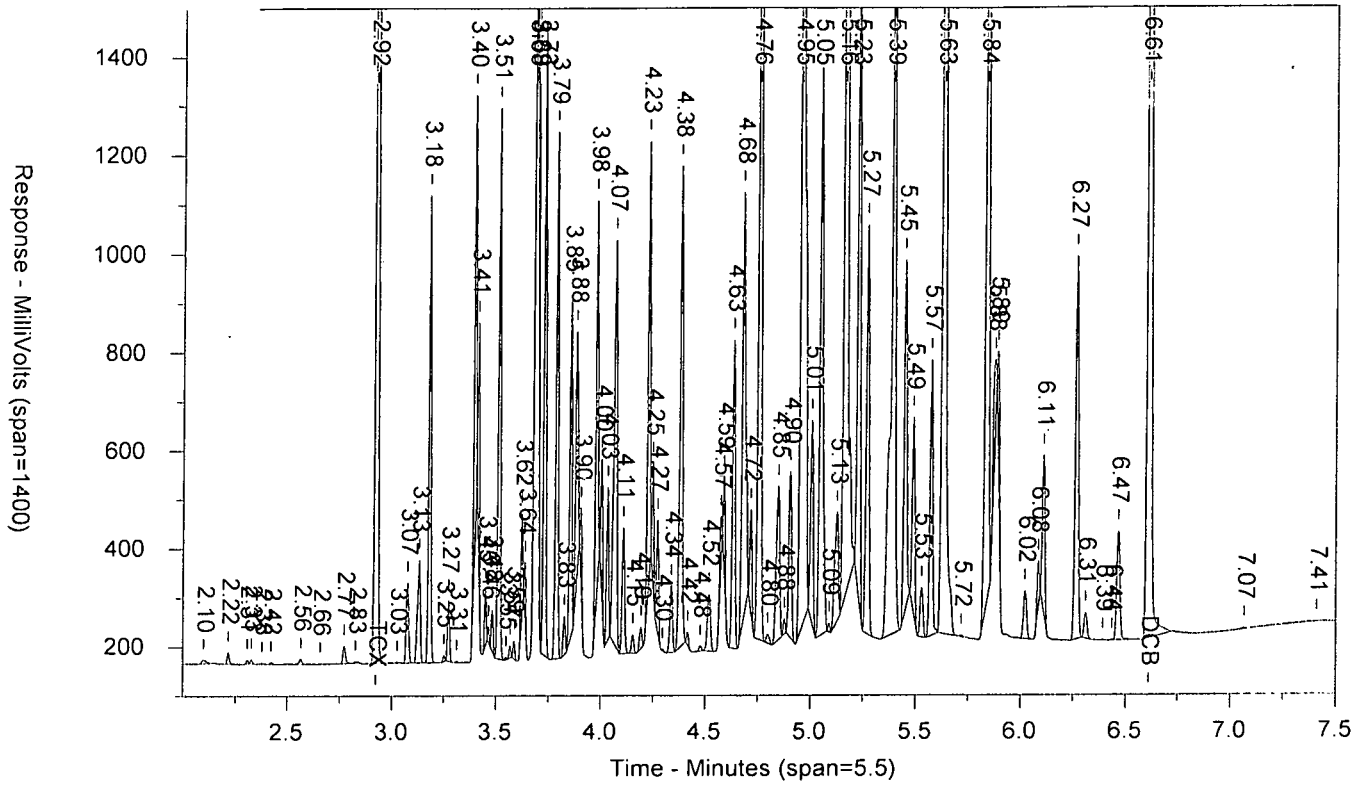

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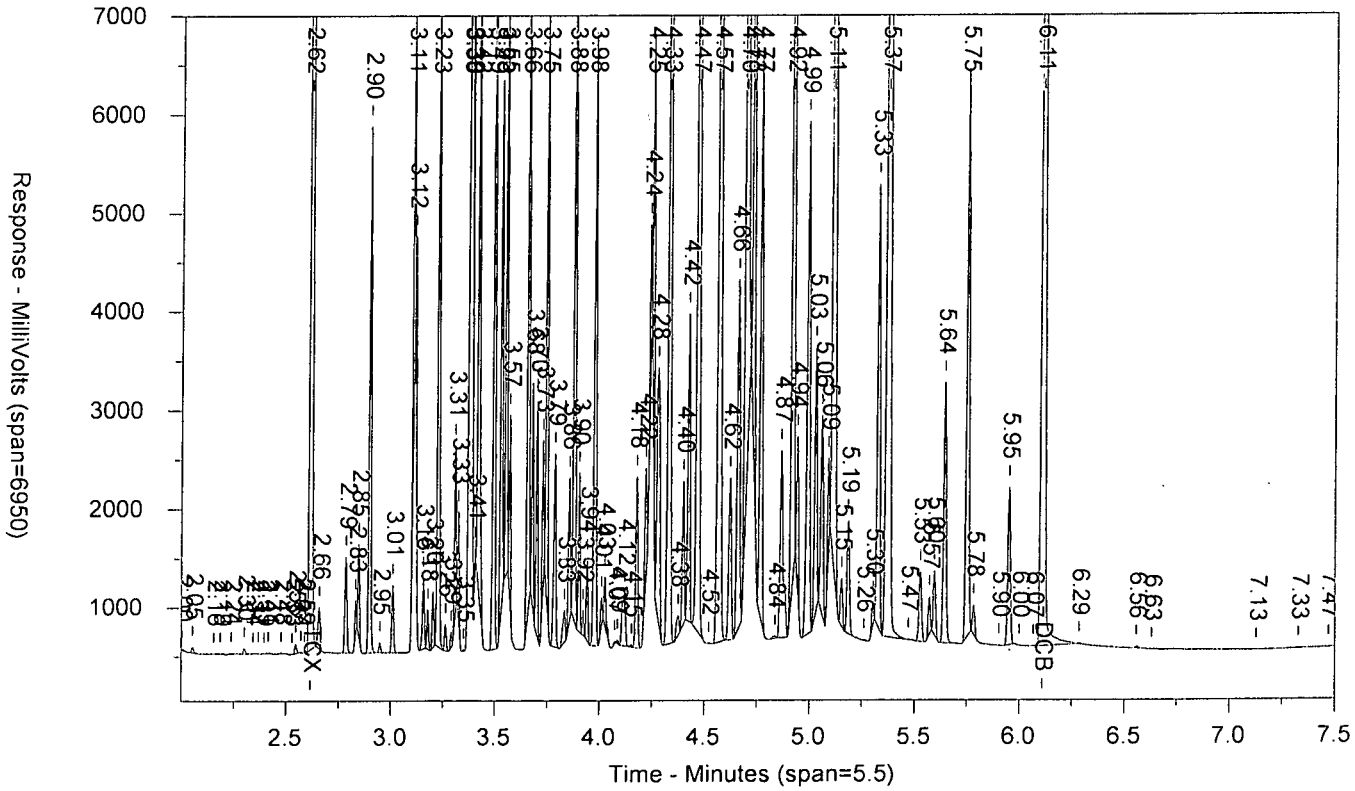

LANCASTER LABORATORIES

Sample Number: AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:14:47 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.922	7055128	63.703	TCX	2.616	43097310	63.864	TCX
6.61	4164353	63.537	DCB	6.109	29174170	62.072	DCB

Files:
Area File: 20pcbs17137001.010.RAW
Area File: 20pcbs17137001B.010.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:23:31 PM
File Reported On: 5/17/2017 at 6:23:44 PM

AR1641724A AAAR164AA ICAL 1713699999 10736 SW-846 8082

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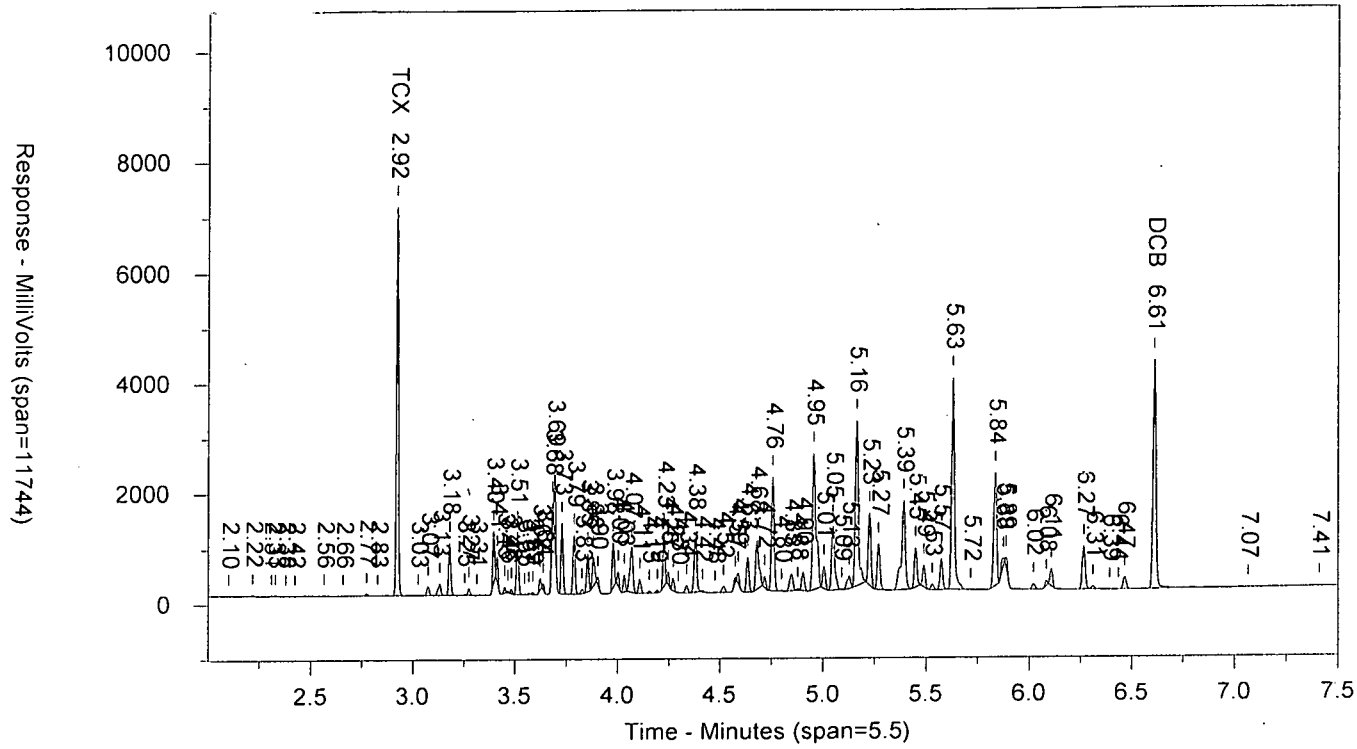

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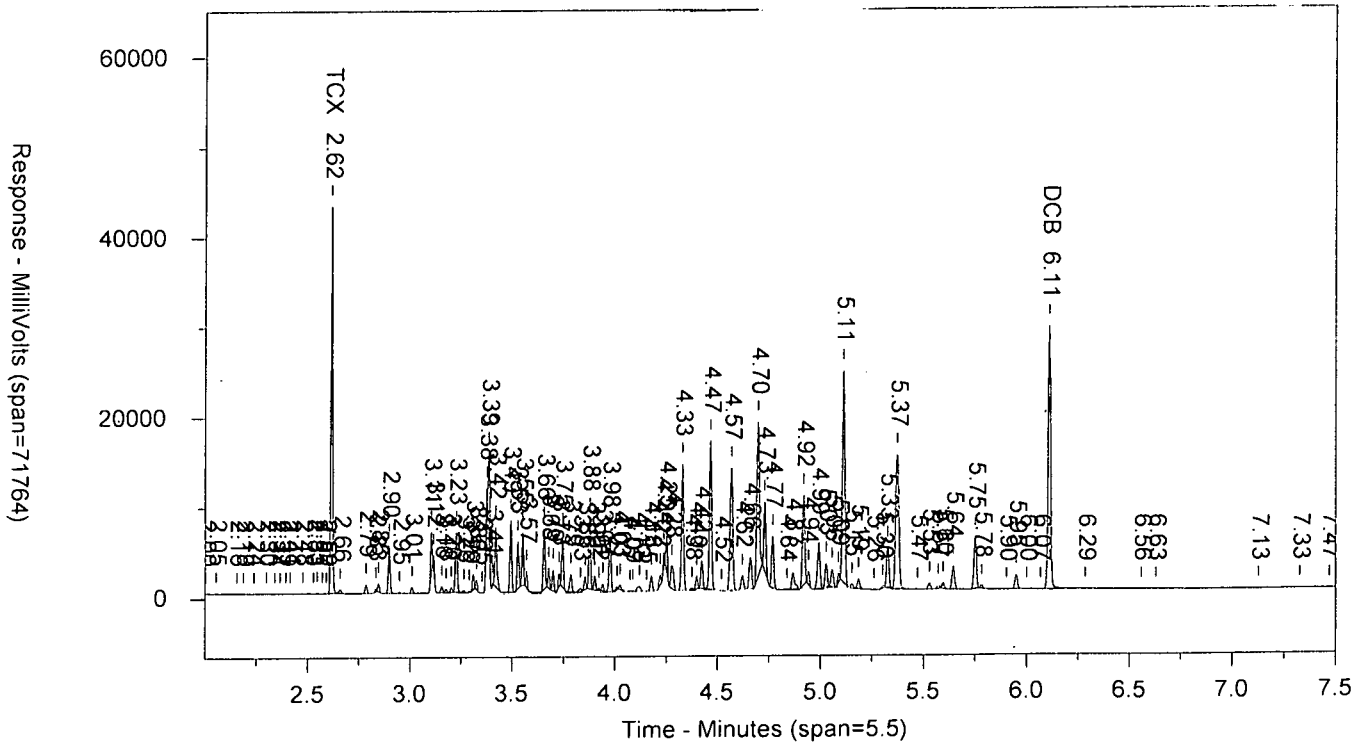

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		6609	10567
2.217		33392	23006
2.309		9444	5733
2.328		11149	6737
2.377		1428	1987
2.423		3121	2859
2.501		1027	784
2.565		21447	16823
2.658		1125	1121
2.774		47034	41441
2.829		1374	873
2.842		3161	1685
2.923	TCX	9286271	6284122
3.026		2905	1773
3.076		314848	266435
3.133		398581	345261
3.181		1850936	1297698
3.254		17806	8952
3.274		235064	162457
3.313		5871	4095
3.395		1952608	1136559
3.412		905803	463412
3.45		206301	120580
3.466		59372	24203
3.481		152757	91823
3.512		2116157	1574989
3.547		9391	4932
3.567		31376	18976
3.586		73078	48233
3.622		418719	241215
3.637		217449	103256
3.681		869719	527673
3.692		2268970	1192811
3.728		2480108	1843420
3.787		2078035	1598728
3.826		149122	108795
3.853		1364971	997688
3.881		1016343	863152
3.903		295356	152845
3.978		1639692	1155087
4.002		536778	337128
4.032		601917	427260
4.068		1617722	1689137
4.107		488623	403472
4.153		73769	56197
4.192		81542	69333
4.226		1828750	1336092
4.247		447013	252321
4.27		460645	333793
4.337		261811	222973
4.38		1879169	1716426
4.414		48039	31081
4.477		21116	17395
4.518		223789	228972

RT A	Compound A	Height A	Area A
4.574		157777	108201
4.587		357727	226496
4.633		1223780	1081066
4.679		1745922	1892693
4.716		375013	280866
4.755		4090584	3720198
4.799		32163	32821
4.846		623060	678968
4.876		50367	32104
4.902		667361	601729
4.955		5111985	5961543
5.005		813959	713696
5.048		2337167	2477950
5.09		33060	19495
5.127		431279	513572
5.163		5788389	6380167
5.226		2543038	2310811
5.269		1638614	1537112
5.371		125794	179603
5.391		2818184	2401664
5.449		1389810	1312690
5.488		764268	663607
5.529		174754	164928
5.574		1069849	989258
5.63		7643374	7680144
5.714		5479	6423
5.836		4193396	4215172
5.876		212751	326892
5.887		277349	250041
6.022		136160	139066
6.086		135208	103076
6.109		608573	534065
6.216		2019	1504
6.266		1592194	1542332
6.311		100351	94551
6.433		1004	844
6.467		411987	416418
6.612	DCB	5556144	5570106
7.068		3930	5098
7.209		706	438
7.308		302	1937
7.429		666	1362
8.142		734	625

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.003		5049	4308
2.054		78421	52686
2.149		6215	7146
2.187		3595	1551
2.242		12075	25298
2.3		112729	74905
2.363		4237	2894
2.413		7446	8531
2.477		5959	10803
2.529		9038	7025
2.547		132687	89302
2.572		20993	10970
2.59		2901	1521
2.616	TCX	56564200	33476620
2.659		760520	569812
2.76		1625	811
2.786		1928872	1287484
2.833		406980	184745
2.847		1785393	955540
2.899		10114640	6038160
2.949		137415	79915
2.986		3036	1686
3.01		1277752	800441
3.086		4406	1880
3.106		12407000	12141120
3.157		1430225	895633
3.178		755437	427973
3.203		1084799	600889
3.227		12762260	8394360
3.264		535063	315213
3.292		200253	94206
3.31		3586924	1804541
3.326		2083838	989159
3.352		23936	11199
3.376		7474550	3448850
3.385		17491340	7291536
3.406		446992	180030
3.419		13825460	8804595
3.493		16489430	9770370
3.528		10268590	6283276
3.551		11574780	6313338
3.569		3672657	1834353
3.622		5465	2088
3.655		12975370	8475472
3.677		4609047	2421276
3.699		4726709	2648968
3.728		3059692	1547909
3.744		11542480	6666600
3.785		3866337	2709304
3.833		602263	532183
3.855		3034871	1699028
3.877		14893850	9651443
3.902		3169828	1844005
3.921		459374	220397

RT B	Compound B	Height B	Area B
3.94		1600388	970787
3.975		12499880	8218656
4.009		551214	339682
4.025		912477	586860
4.071		27349	16924
4.086		94221	58298
4.112		111118	103256
4.119		439844	220888
4.153		43741	21283
4.177		3484572	2400744
4.218		2586604	1551717
4.237		3416198	1720834
4.251		8527515	4475124
4.277		4525069	4850387
4.328		27096230	20268580
4.375		384726	359808
4.398		2789599	1881516
4.423		5986391	4225441
4.466		32954410	24649070
4.569		26601510	24940970
4.621		3259109	2670662
4.659		7204695	6046917
4.696		35179360	28493330
4.728		14967790	10350100
4.767		10816790	8573390
4.835		47810	50734
4.866		3189371	2305444
4.883		331778	167160
4.918		20673490	15787180
4.941		2861660	1808256
4.992		10473700	9119623
5.028		5218651	4089662
5.057		3806092	3220714
5.089		1952650	1120329
5.112		47355350	39136040
5.153		954822	715299
5.185		1917115	1572556
5.226		15145	7048
5.303		441286	291250
5.326		8458221	7328032
5.372		31609230	34026340
5.472		10638	6050
5.527		1014981	863672
5.572		748031	565380
5.596		852197	644466
5.644		5199789	4391417
5.751		11296540	9233591
5.782		600846	427308
5.901		6961	5270
5.95		2781653	2538161
6.066		6370	5053
6.109	DCB	37969230	33247000
6.217		9009	5089
6.241		10288	7613
6.284		22105	21271
6.56		26445	22590
6.633		2915	6339
6.732		4279	3472
7.128		2616	3758
7.245		2319	2110
7.31		3752	4527
7.44		1722	3963
7.468		3288	5127
7.606		2539	5191
7.718		3630	11180
8.215		15362	25469

RT B	Compound B	Height B	Area B
8.462		2678	7052

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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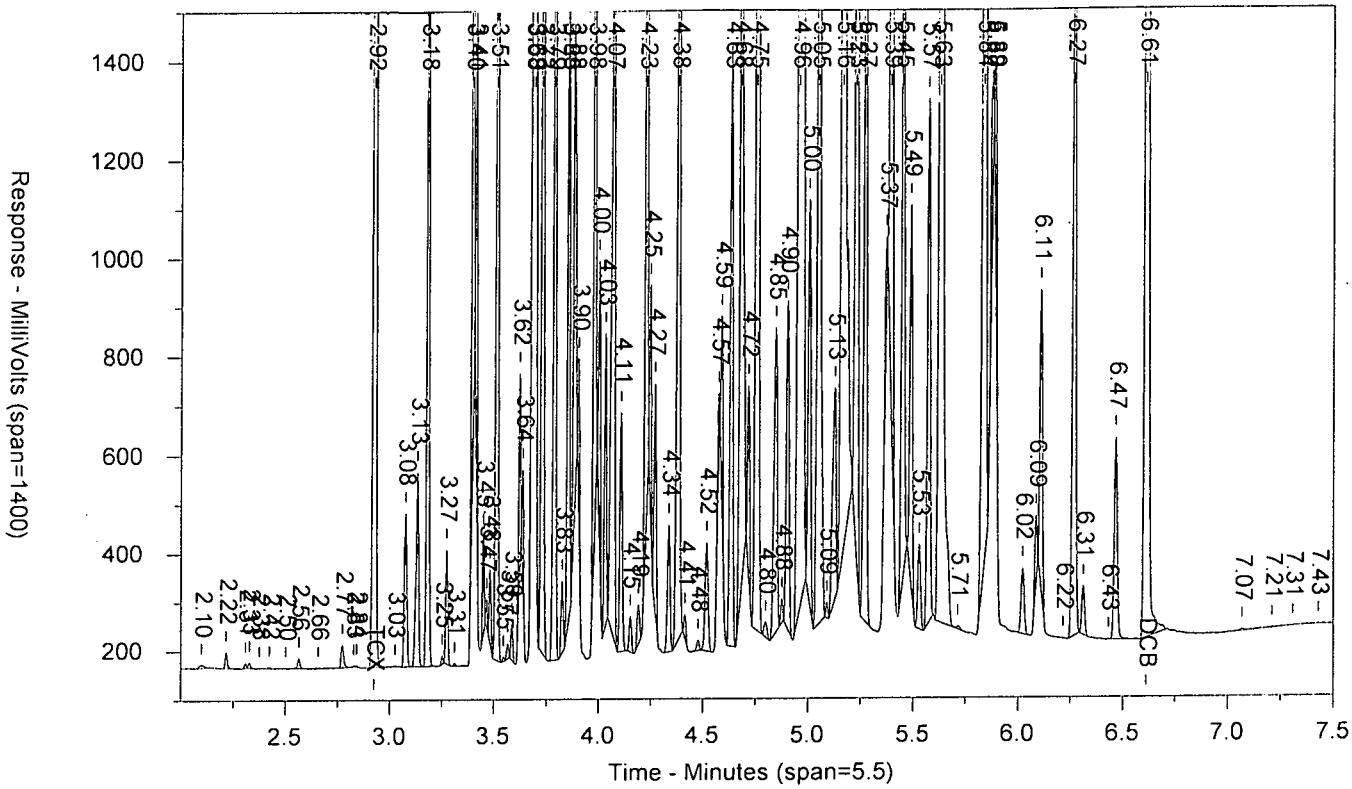

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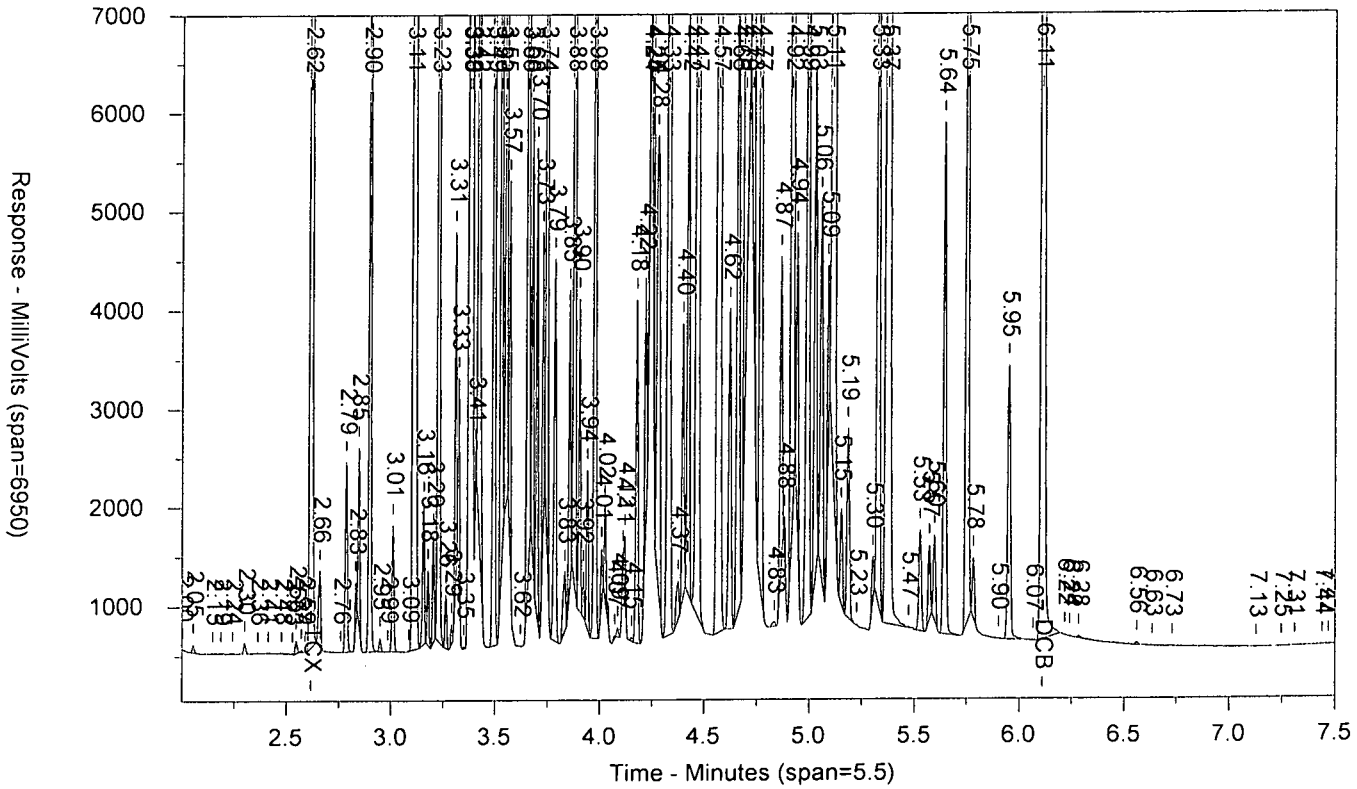

LANCASTER LABORATORIES

Sample Number: AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:26:15 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	9286271	82.662	TCX	2.616	56564200	82.637	TCX
6.612	5556144	83.221	DCB	6.109	37969230	79.504	DCB

Files:
Area File: 20pcbs17137001.011.RAW
Area File: 20pcbs17137001B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:34:58 PM
File Reported On: 5/17/2017 at 6:35:07 PM

AR1651724A AAAR165AA ICAL 1713699999 10736 SW-846 8082

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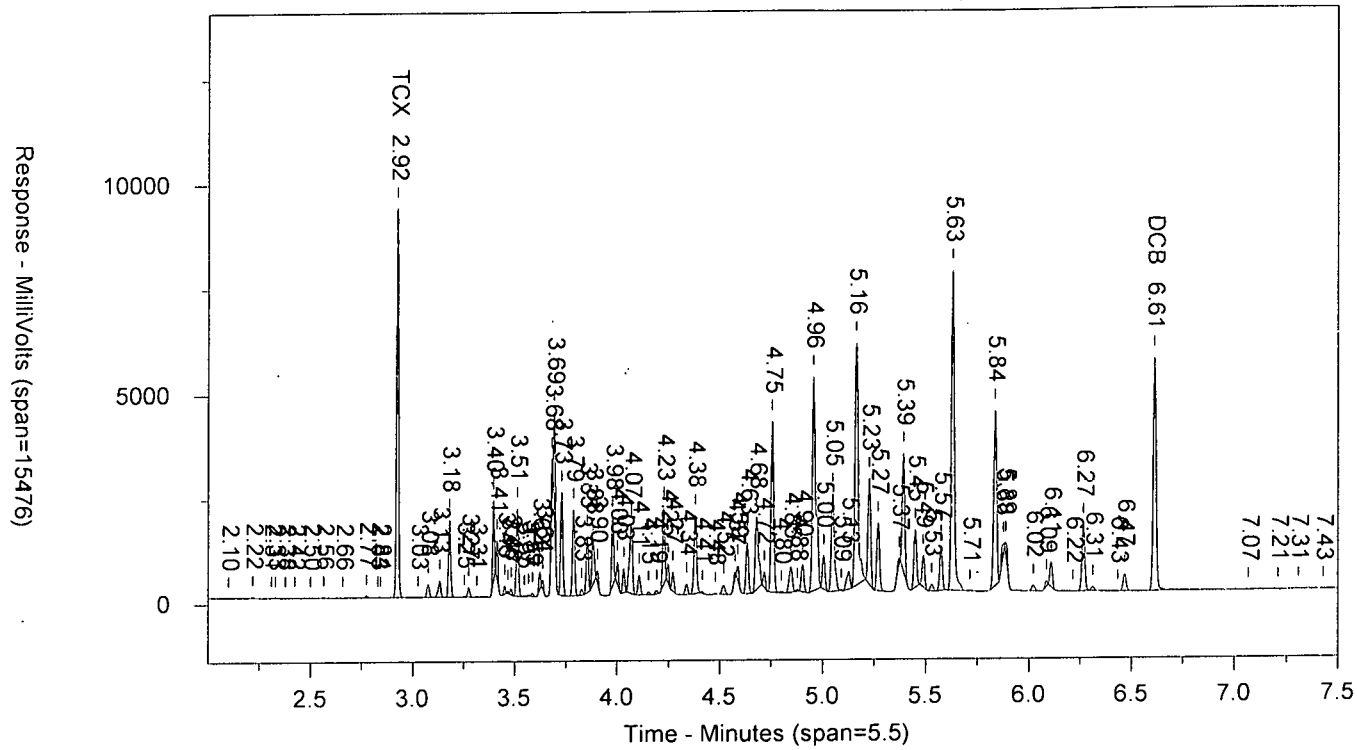

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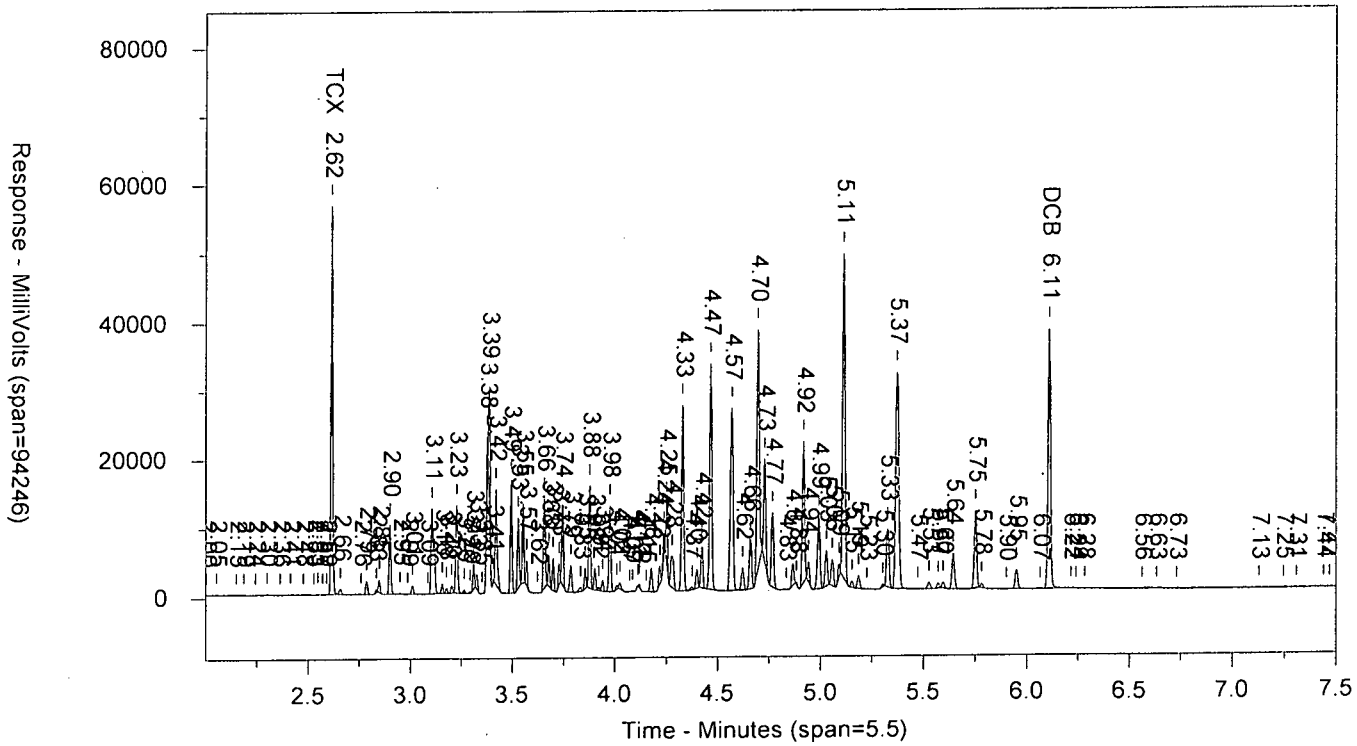

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9420	13791
2.139		2695	3192
2.218		1548	1231
2.309		17593	12805
2.379		1971	2311
2.424		3230	2863
2.551		1637	1231
2.661		1205	938
2.774		36807	31385
2.828		3966	3504
2.923	TCX	460974	306632
3.075		3648	3042
3.123		6576	6443
3.181		22198	17757
3.252		1136	614
3.274		4080	2899
3.395		66539	40572
3.412		20147	9344
3.449		3730	2222
3.481		1322	871
3.512		54242	40738
3.586		1865	1282
3.621		8696	5174
3.68		51110	25975
3.691		38092	22196
3.727		63771	48265
3.785		64312	49370
3.826		8233	5557
3.853		120639	88677
3.88		79453	62835
3.902		23382	13177
3.977		134537	99753
4.001		39255	25112
4.032		47204	33667
4.067		111038	105185
4.107		37712	29886
4.152		2433	1456
4.192		11015	9366
4.225		107029	76255
4.246		125818	84164
4.269		138872	101155
4.294		4561	2737
4.336		13002	12120
4.376		132507	109784
4.397		33005	17180
4.414		19711	11509
4.452		1847	1154
4.477		7483	5655
4.519		39651	38270
4.572		56844	48554
4.602		32615	24171
4.633		96997	83841
4.678		2597	2559
4.718		37162	33180

RT A	Compound A	Height A	Area A
4.755		9074	10642
4.805		8310	7753
4.847		63827	59798
4.927		5810	7266
4.954		5586	3714
4.972		4513	2689
5.047		61112	61478
5.087		1620	1175
5.117		3936	4439
5.163		16794	16115
5.202		1956	1480
5.224		2190	1687
5.269		1559	1776
5.375		3289	2838
5.433		1011	1006
5.529		4227	4690
5.573		3067	3196
5.63		4080	3068
5.65		2861	2189
5.746		1379	1131
5.835		5260	5769
5.894		1611	2470
5.988		1174	1286
6.022		5552	5854
6.087		5249	4867
6.107		1396	850
6.222		820	2372
6.266		2133	2204
6.332		2179	2208
6.463		4410	4390
6.506		1274	1555
6.611	DCB	287278	315972
7.303		1082	62618
8.242		408	493
8.452		765	792

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		13837	11521
2.158		6038	4406
2.202		8846	4381
2.242		14742	23404
2.301		2489	2659
2.343		1735	1225
2.413		10480	14250
2.478		5171	3746
2.547		107455	84633
2.615	TCX	2792628	1632223
2.659		8028	5082
2.702		3908	6430
2.786		19090	14055
2.833		32219	16276
2.847		15034	9075
2.899		125696	93234
2.949		7374	4768
3.009		24675	17475
3.105		423146	365759
3.157		16966	9686
3.179		14715	11204
3.202		12530	6411
3.227		335335	221142
3.266		19372	12424
3.291		10944	5281
3.31		70444	35061
3.325		81426	41767
3.354		3156	1550
3.375		335505	152097
3.384		346830	148681
3.405		72833	31513
3.418		306693	170510
3.493		508469	317825
3.527		865156	525161
3.551		791158	438826
3.569		268385	136027
3.598		4439	3854
3.654		1060079	673747
3.677		310794	170971
3.698		349791	206025
3.727		161321	82064
3.743		747212	439649
3.785		284286	199864
3.832		57506	48559
3.854		579818	360234
3.876		1406615	889202
3.901		973126	605228
3.921		85680	41372
3.939		72415	39043
3.975		433187	300332
4.01		700668	535716
4.038		345500	197367
4.074		18716	12517
4.084		23521	11260

RT B	Compound B	Height B	Area B
4.119		256598	189309
4.176		409784	311064
4.209		247485	165484
4.237		637437	466741
4.275		13398	12403
4.33		267772	251235
4.366		57493	42078
4.398		392834	292850
4.422		12899	6737
4.441		5257	2617
4.465		55036	34933
4.49		33382	23215
4.515		9877	10037
4.565		71770	75357
4.616		365100	279425
4.644		4461	2229
4.66		10002	10245
4.696		106538	88952
4.728		8227	4237
4.768		10978	11681
4.842		12128	16920
4.865		2204	1165
4.884		3799	2997
4.917		19274	13880
4.941		33457	25388
4.989		10823	9826
5.026		5075	4034
5.061		14250	11408
5.088		13709	8898
5.111		35264	28947
5.185		32174	26845
5.327		10781	8032
5.346		4032	1904
5.373		23360	23338
5.444		5960	5060
5.527		41637	36055
5.595		45547	44880
5.644		19132	22733
5.749		11345	11294
5.832		2688	2458
5.948		29788	26671
6.109	DCB	2026870	1878598
7.193		1996	1167
7.365		1771	6866
7.437		2156	4853
7.921		1763	1750
8.218		15936	30555

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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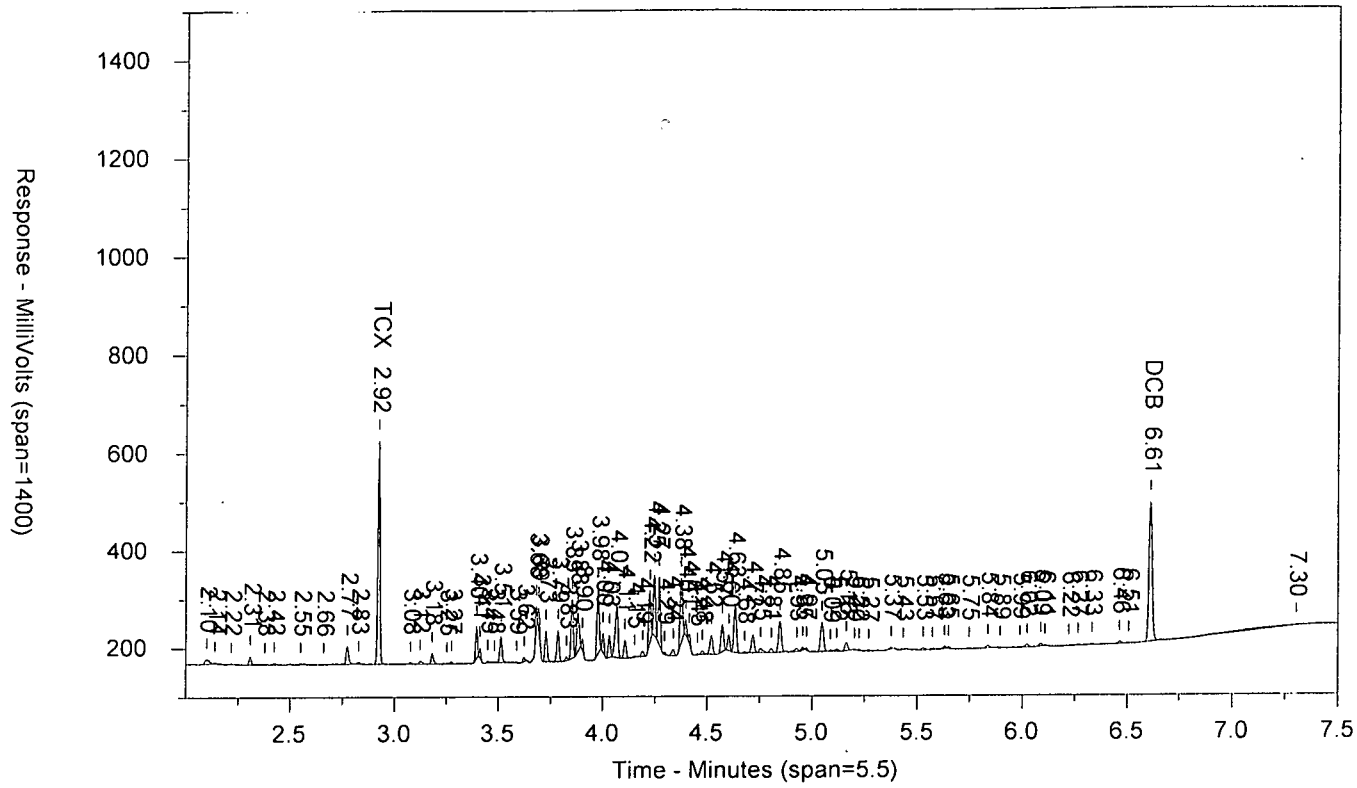

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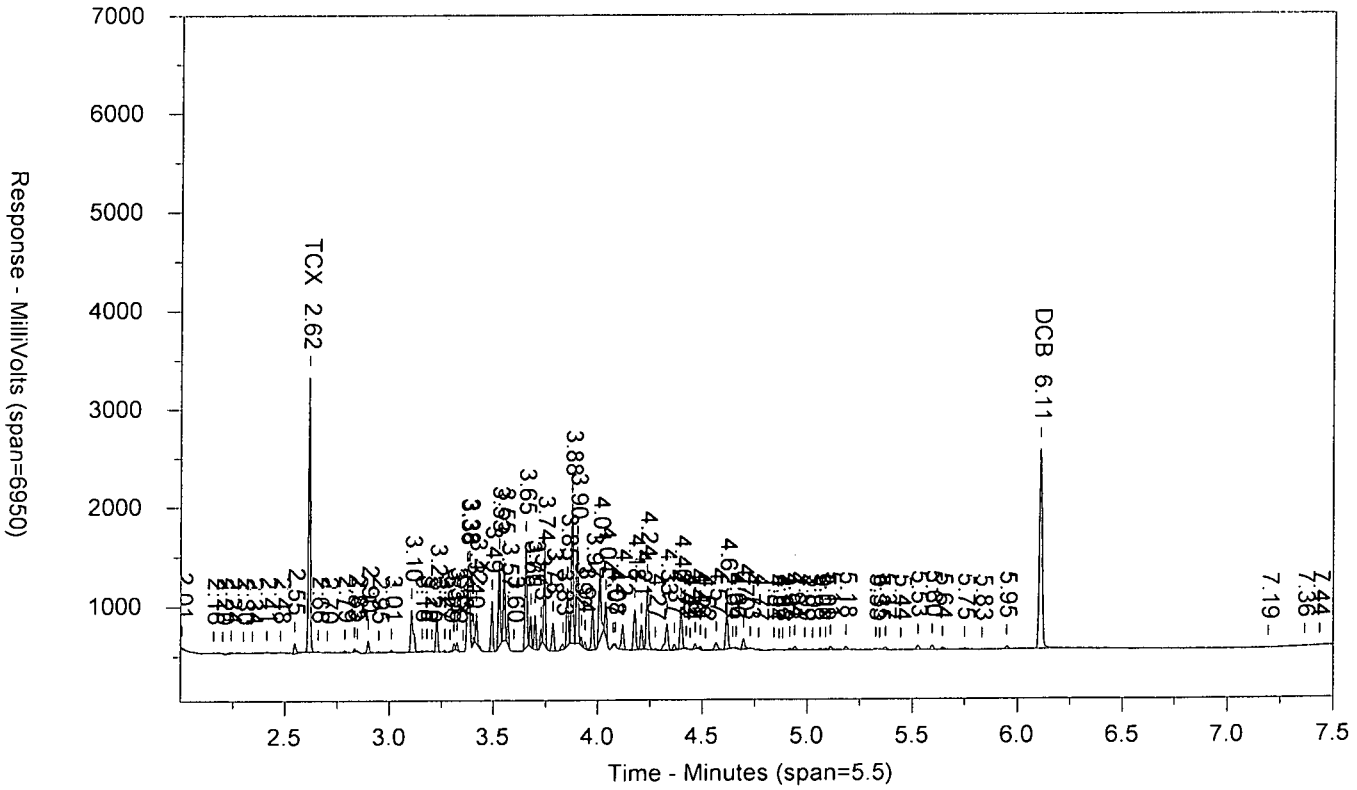

LANCASTER LABORATORIES

Sample Number: AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:37:44 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	460974	4.056	TCX	2.615	2792628	4.04	TCX
6.611	287278	4.175	DCB	6.109	2026870	4.16	DCB

Files:
Area File: 20pcbs17137001.012.RAW
Area File: 20pcbs17137001B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:46:29 PM
File Reported On: 5/17/2017 at 6:46:37 PM

AR4811724A AAAR481AA ICAL 1713699999 10736 SW-846 8082

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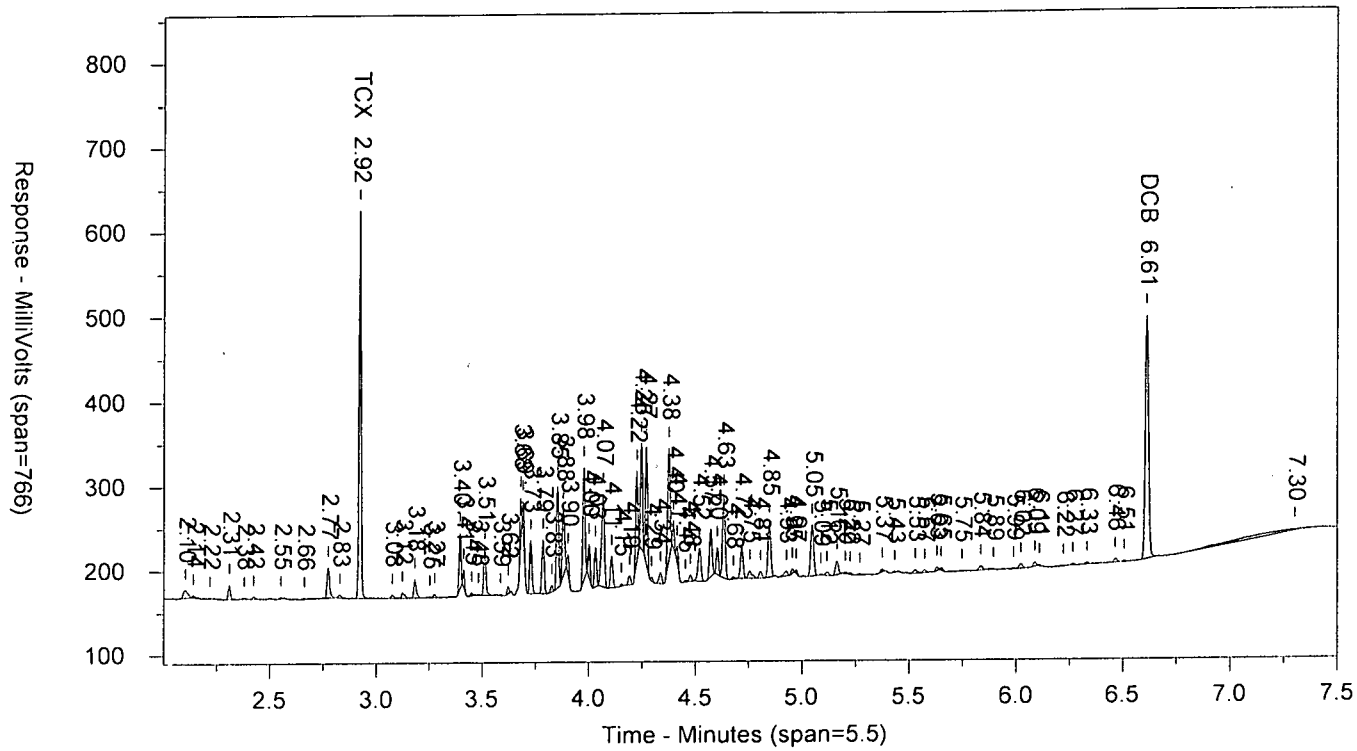

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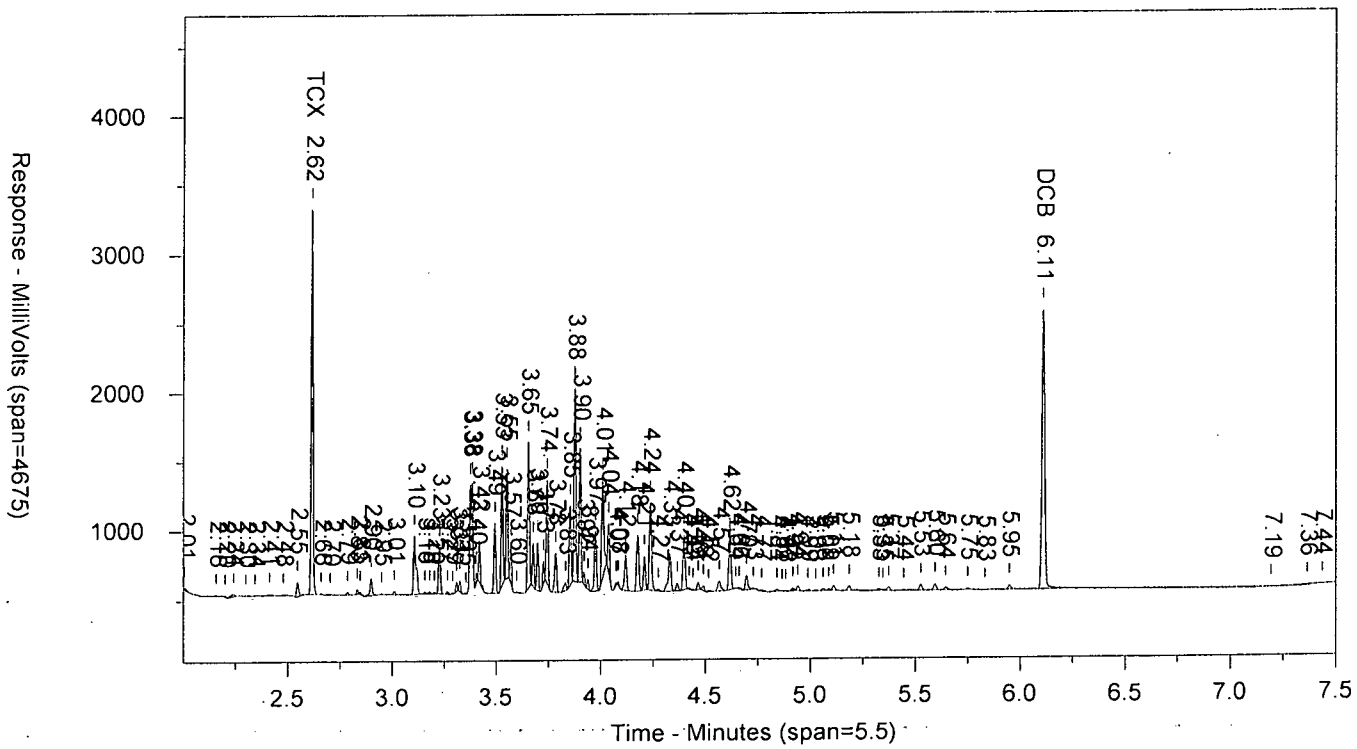

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8863	12774
2.217		7883	6283
2.309		17058	10884
2.328		2033	1139
2.378		1826	2076
2.424		3220	2724
2.501		783	907
2.55		930	688
2.658		1162	990
2.774		36945	32374
2.828		4181	4053
2.923	TCX	2278533	1522250
3.075		7340	6495
3.122		33148	25086
3.181		44509	33093
3.253		5064	2971
3.273		7960	5117
3.394		120669	76145
3.411		37077	18184
3.448		7807	4539
3.481		2419	1499
3.511		106353	78468
3.567		7654	4597
3.584		2856	1725
3.62		19558	10913
3.635		5024	2112
3.679		85107	46887
3.69		94974	49013
3.726		121620	95712
3.784		118635	98850
3.825		18392	12179
3.852		225584	167928
3.879		152868	121488
3.902		49125	26753
3.977		264307	190492
4		76727	49035
4.03		92742	66611
4.066		215342	203852
4.107		76787	59738
4.152		6335	4535
4.191		21383	18438
4.224		204920	142782
4.245		256218	163739
4.268		253751	196866
4.294		3248	1885
4.335		26263	23979
4.374		246079	210227
4.396		61552	31650
4.412		41504	22841
4.452		3815	2534
4.476		15100	11170
4.518		78122	70692
4.571		106928	94912
4.602		63905	46638

RT A	Compound A	Height A	Area A
4.631		183459	160259
4.677		4600	4351
4.717		73920	64288
4.754		16219	20030
4.805		17218	16019
4.846		121956	114282
4.877		5010	3513
4.925		10589	13229
4.954		10041	7430
4.971		8133	4912
5.003		2019	1505
5.046		118261	113310
5.088		2502	1962
5.117		14023	14486
5.162		28608	28155
5.202		2650	1689
5.223		3861	3160
5.266		2559	2616
5.373		11513	17369
5.448		3104	4466
5.527		12100	12065
5.573		5646	4737
5.629		5386	3604
5.649		15739	13504
5.833		9131	10003
5.889		3152	5333
5.983		936	670
6.021		25946	25612
6.085		23482	20783
6.265		3900	4752
6.465		17052	17693
6.611	DCB	1306080	1375143
7.07		1067	3992
7.352		946	23922
7.817		619	376
8.151		693	492
8.421		871	5862

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL.1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		12674	9588
2.053		21106	15095
2.119		1803	1366
2.157		5401	4043
2.24		15572	24720
2.394		1693	1038
2.411		5254	5952
2.477		6016	4726
2.547		108403	85248
2.616	TCX	13624770	8113178
2.659		13338	6855
2.786		47617	34058
2.833		187138	143484
2.898		246549	165125
2.949		35799	21302
3.009		50331	30714
3.105		793582	694356
3.156		44860	25862
3.178		24210	15005
3.203		22217	12059
3.226		650909	426639
3.264		31310	18749
3.291		60358	30226
3.309		146093	73412
3.324		94903	45633
3.353		3200	1295
3.374		663878	308601
3.384		712787	278776
3.404		142940	60947
3.417		596263	339440
3.492		978927	610801
3.526		1603513	1002633
3.55		1476024	831493
3.568		521860	255818
3.653		2040152	1292816
3.676		584327	317512
3.697		667585	396289
3.726		305199	152756
3.743		1446082	847009
3.783		548478	388253
3.831		113492	94019
3.853		1160536	697154
3.876		2750551	1739992
3.901		1976571	1194788
3.92		170095	81575
3.938		139618	76284
3.974		825765	569739
4.009		1379956	1038199
4.037		716173	397922
4.084		116435	117795
4.119		498679	363146
4.15		6017	2857
4.175		815248	605941
4.208		458027	317281

RT B	Compound B	Height B	Area B
4.236		1230562	895747
4.274		24713	24306
4.33		506491	475448
4.365		123636	86474
4.397		795399	574260
4.421		23369	11593
4.439		29019	17037
4.464		104496	65148
4.489		61354	42980
4.526		3070	4331
4.564		133747	134939
4.615		713273	566649
4.667		74529	74137
4.696		190862	162598
4.727		15875	7286
4.742		13738	7063
4.765		17366	15290
4.841		11660	18085
4.866		3861	1897
4.883		7770	4665
4.916		35598	25425
4.94		64428	48436
4.989		20000	20841
5.026		7429	5536
5.062		60903	49330
5.088		24377	15902
5.111		60332	51667
5.185		149495	128826
5.305		1869	1361
5.326		28609	24579
5.373		54171	54842
5.443		7885	9255
5.526		178097	154925
5.595		188546	169338
5.644		69006	57783
5.751		24891	20941
5.95		119810	100049
5.983		3382	1976
6.108	DCB	9301134	8333380
6.473		1879	2574
6.558		7280	10450
6.716		1828	2434
7.027		2162	5238
7.496		2036	23563
7.722		2575	5850
7.778		2456	4586
8.216		16487	29376
8.412		1911	2075
8.497		1270	1150

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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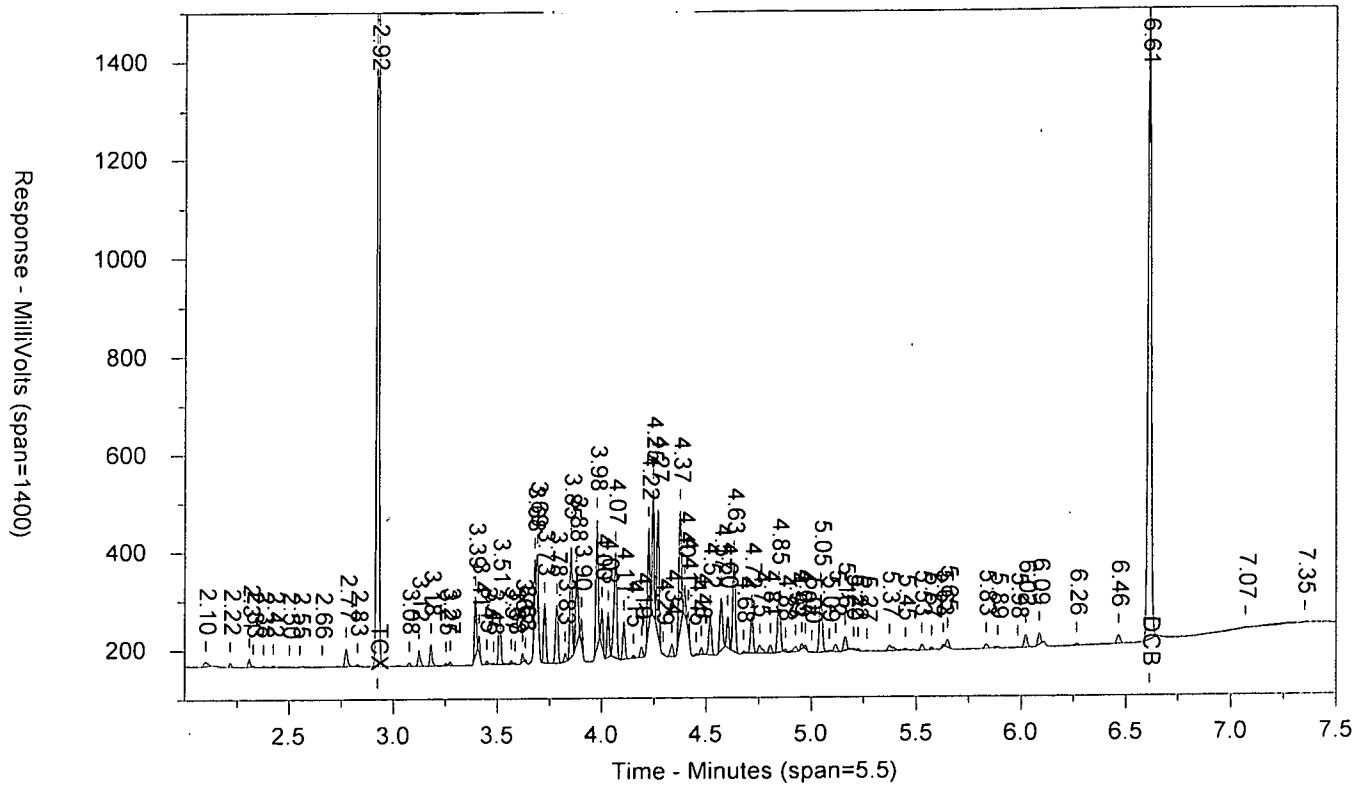

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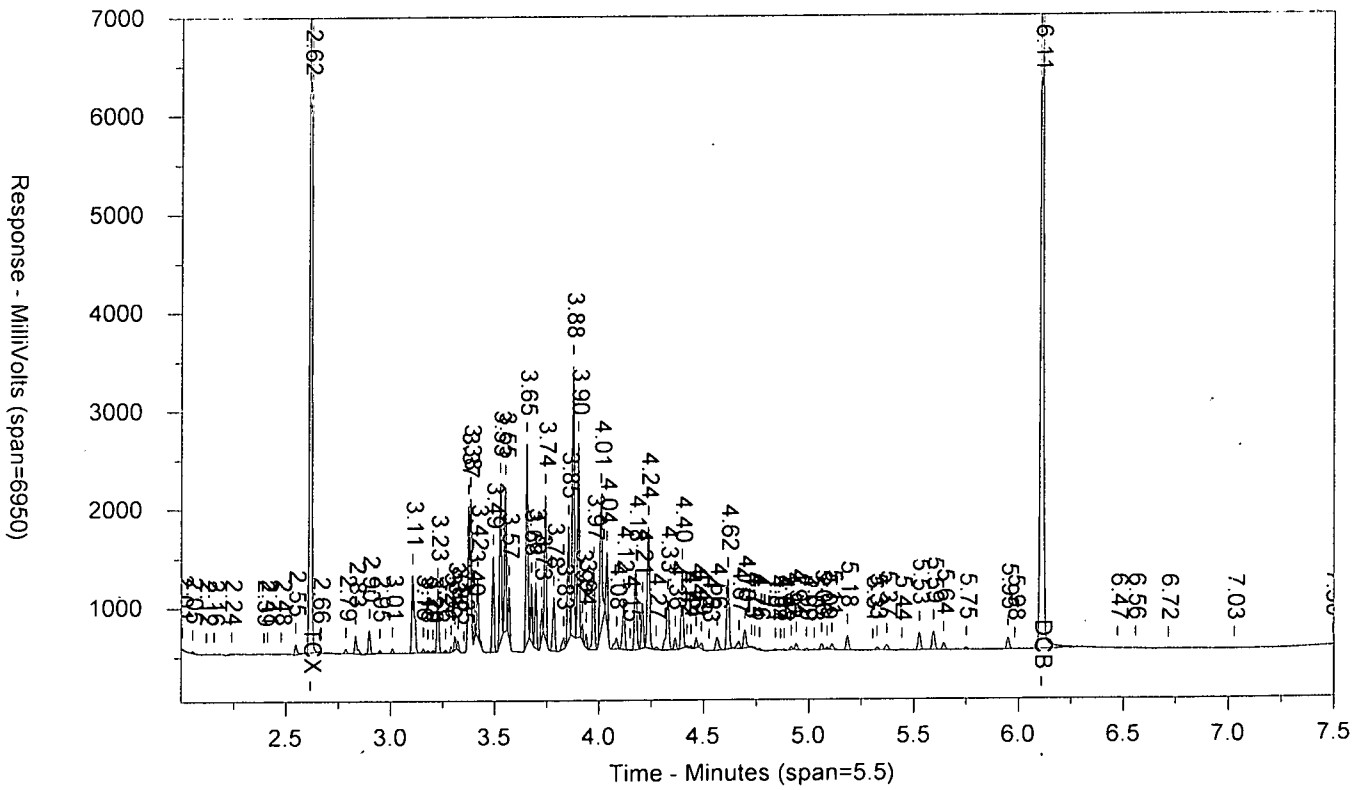

LANCASTER LABORATORIES

Sample Number: AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 6:49:09 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	2278533	20.05	TCX	2.616	13624770	19.709	TCX
6.611	1306080	18.979	DCB	6.108	9301134	19.092	DCB

Files:
Area File: 20pcbs17137001.013.RAW
Area File: 20pcbs17137001B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 6:57:54 PM
File Reported On: 5/17/2017 at 6:58:03 PM

AR4821724A AAAR482AA ICAL 1713699999 10736 SW-846 8082

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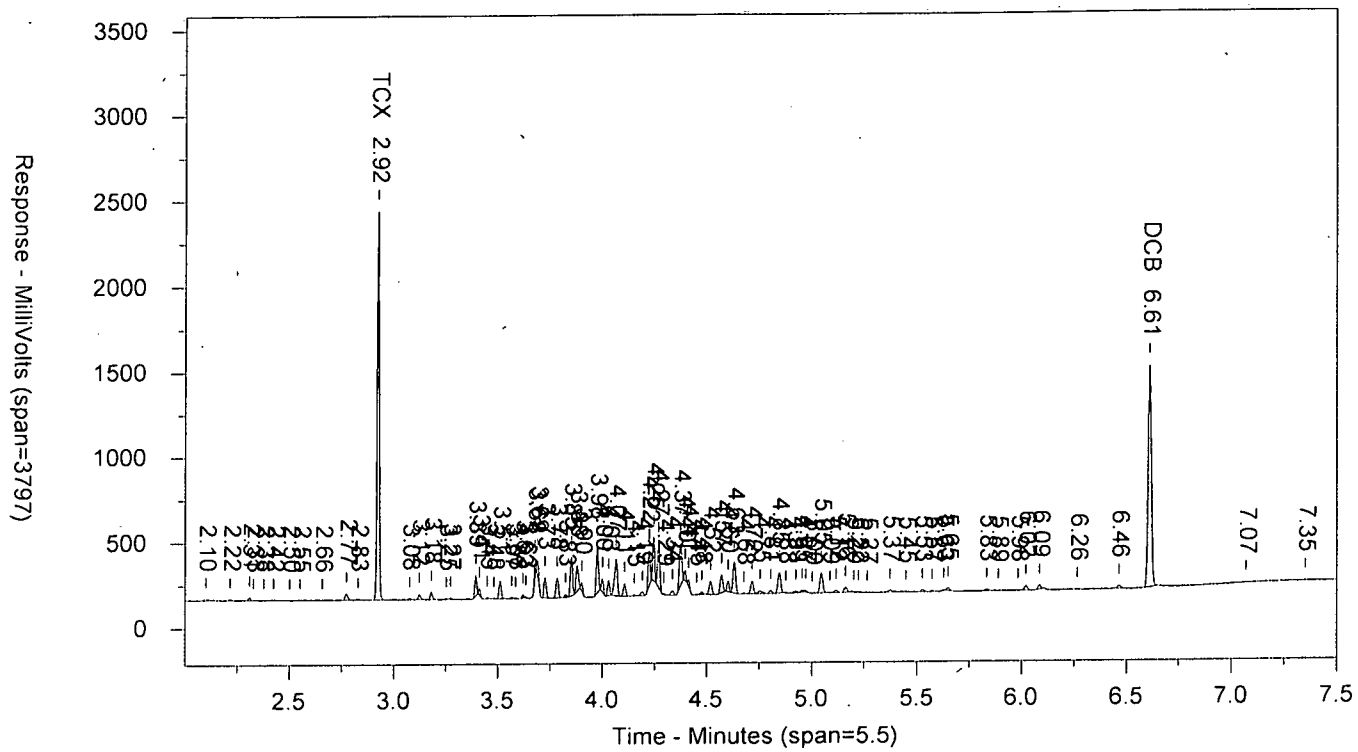

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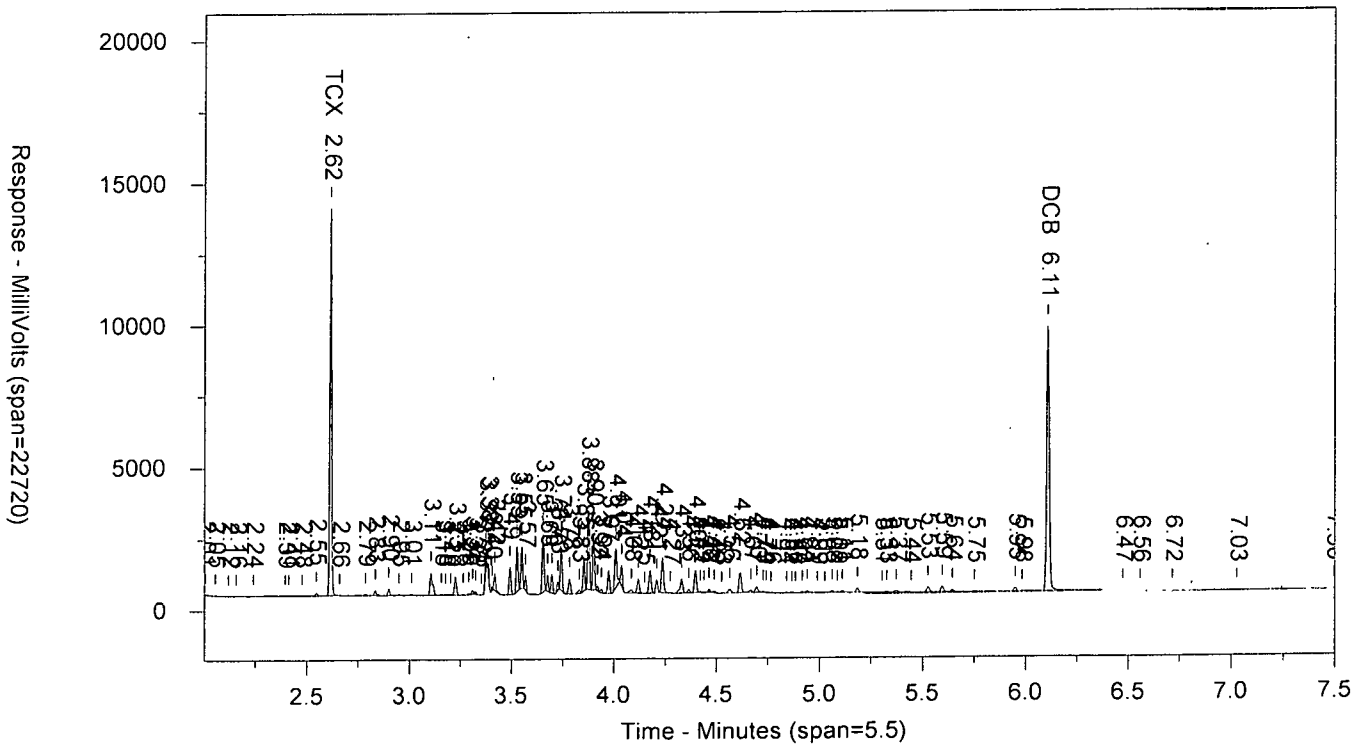

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.098		7336	16981
2.217		16226	11825
2.309		14041	8787
2.327		5347	2999
2.375		1209	1416
2.423		4191	3406
2.447		2452	1636
2.564		2513	3753
2.656		1085	867
2.773		40534	35222
2.827		5129	4482
2.923	TCX	4587250	3123811
3.025		1452	765
3.075		16285	13493
3.122		64679	49669
3.18		84570	61014
3.252		9077	5367
3.273		15100	9711
3.359		990	627
3.394		222033	134027
3.411		65503	33182
3.448		14799	8715
3.464		2958	1222
3.48		4553	2542
3.511		195244	146100
3.566		16698	9470
3.584		6998	3893
3.62		36082	21548
3.635		8490	3848
3.679		150048	81391
3.69		171370	89178
3.726		227162	179863
3.784		225668	184826
3.825		35371	24172
3.853		411007	305360
3.88		273118	220845
3.901		84653	46384
3.976		487480	354434
4		131154	86357
4.031		170033	123894
4.066		402590	385907
4.106		135862	112361
4.151		13782	10351
4.191		39839	35741
4.225		381910	269549
4.246		471790	310905
4.269		537758	385660
4.335		49148	46219
4.375		480448	402574
4.396		122790	64051
4.412		68963	40370
4.453		8018	5090
4.476		27833	20987
4.519		138344	130249

RT A	Compound A	Height A	Area A
4.571		203806	178929
4.602		113417	86670
4.631		356304	303032
4.676		6981	4877
4.716		132384	120010
4.754		31226	38211
4.805		32595	30425
4.846		218179	213403
4.876		9982	6739
4.926		18658	22653
4.955		21448	14973
4.971		13512	9218
5.003		4362	3659
5.046		215397	213546
5.09		5162	3796
5.117		25950	26481
5.163		58120	52846
5.202		3963	2271
5.225		8187	6102
5.269		4610	3850
5.373		12843	11039
5.448		5089	5086
5.528		20621	20740
5.573		11315	9751
5.598		1746	1108
5.629		11015	7814
5.649		27066	22025
5.769		457	847
5.834		15684	17087
5.889		6216	10197
5.988		2220	2235
6.021		46753	45496
6.086		43923	37336
6.107		8617	5621
6.265		7398	7925
6.334		906	757
6.465		36413	36015
6.611	DCB	2842436	2848658
7.073		1611	5730
7.306		716	12103
8.405		918	1260

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		3444	3863
2.054		44006	39640
2.116		6698	12075
2.156		10009	36453
2.239		14121	22654
2.271		3363	2509
2.301		6009	5309
2.339		2180	1411
2.412		6880	7806
2.483		8694	33895
2.547		115743	101911
2.615	TCX	28617680	16447440
2.658		23928	12271
2.705		5148	5861
2.786		105357	73269
2.833		319001	169103
2.846		37322	13877
2.898		455497	294677
2.949		69823	40519
2.987		4082	2600
3.009		95274	57273
3.105		1482590	1268741
3.156		88139	52558
3.178		49359	28545
3.202		41303	21853
3.226		1188578	790716
3.263		67566	39850
3.291		119484	62255
3.309		268702	133945
3.324		181149	88636
3.352		3110	1589
3.374		1301277	588286
3.384		1391605	540213
3.404		255749	106841
3.417		1129541	652184
3.492		1839733	1141639
3.526		3190942	1861196
3.55		2867077	1557964
3.568		937692	477721
3.653		3901099	2435925
3.675		1060771	576854
3.697		1216937	734922
3.726		588049	301808
3.742		2796950	1616864
3.783		1018226	724635
3.831		207629	179442
3.853		2172541	1309647
3.876		5354666	3322076
3.9		3809695	2298570
3.919		300053	148653
3.938		256799	142934
3.974		1511710	1058953
4.009		2618636	1978975
4.037		1427806	791296

RT B	Compound B	Height B	Area B
4.084		214352	187210
4.119		885113	676623
4.151		10838	5457
4.175		1532848	1152285
4.207		880973	598004
4.236		2374166	1688450
4.274		47048	45713
4.329		929146	892012
4.364		231903	171419
4.397		1505291	1089909
4.42		43909	21586
4.439		52539	30294
4.463		194631	125097
4.489		118363	82224
4.518		2374	2301
4.564		246709	245923
4.616		1462199	1121668
4.667		144890	144677
4.695		359720	313195
4.727		30293	13922
4.741		22855	12165
4.765		28910	22463
4.823		4344	4790
4.838		4921	2650
4.865		8529	4447
4.882		12522	8340
4.917		62485	46529
4.94		122641	91421
4.99		36666	38891
5.027		14333	10858
5.061		116500	94770
5.088		45383	29582
5.11		119537	99019
5.157		3951	2732
5.184		237588	208109
5.302		2565	1929
5.325		56276	45290
5.373		106772	107999
5.444		15439	13148
5.526		319976	275686
5.594		339332	304690
5.643		126665	108124
5.749		48445	40242
5.779		2461	2571
5.903		5207	4533
5.949		237481	203301
5.98		5541	3743
6.003		3923	2475
6.108	DCB	19790550	16876110
6.242		4497	1796
6.559		14308	12962
7.325		1538	3468
7.445		1853	4071
7.581		1203	4806
8.216		14497	24913

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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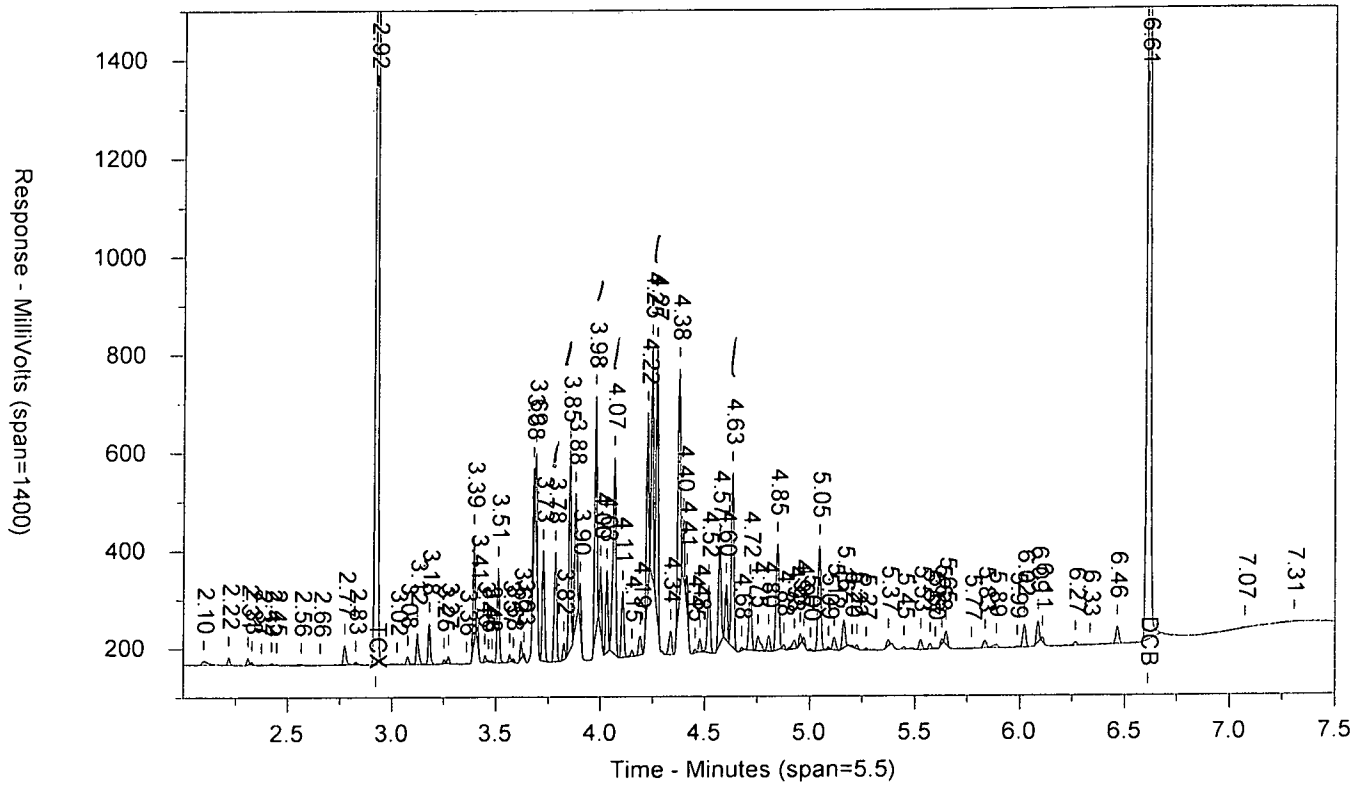

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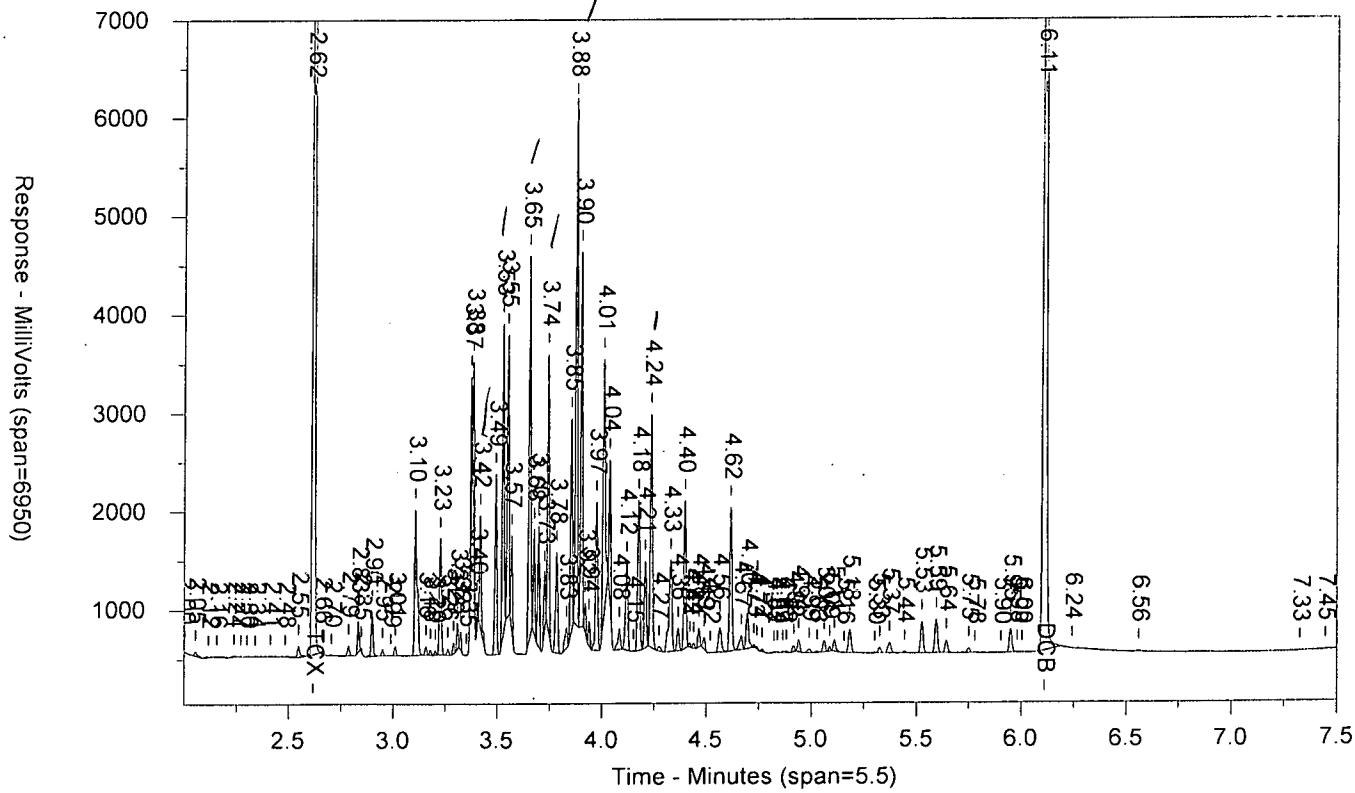

LANCASTER LABORATORIES

Sample Number: AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:00:30 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	4587250	40.366	TCX	2.615	28617680	41.396	TCX
6.611	2842436	41.305	DCB	6.108	19790550	40.623	DCB

Files:
Area File: 20pcbs17137001.014.RAW
Area File: 20pcbs17137001B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:09:14 PM
File Reported On: 5/17/2017 at 7:09:25 PM

AR4831724A AAAR483AA ICAL 1713699999 10736 SW-846 8082

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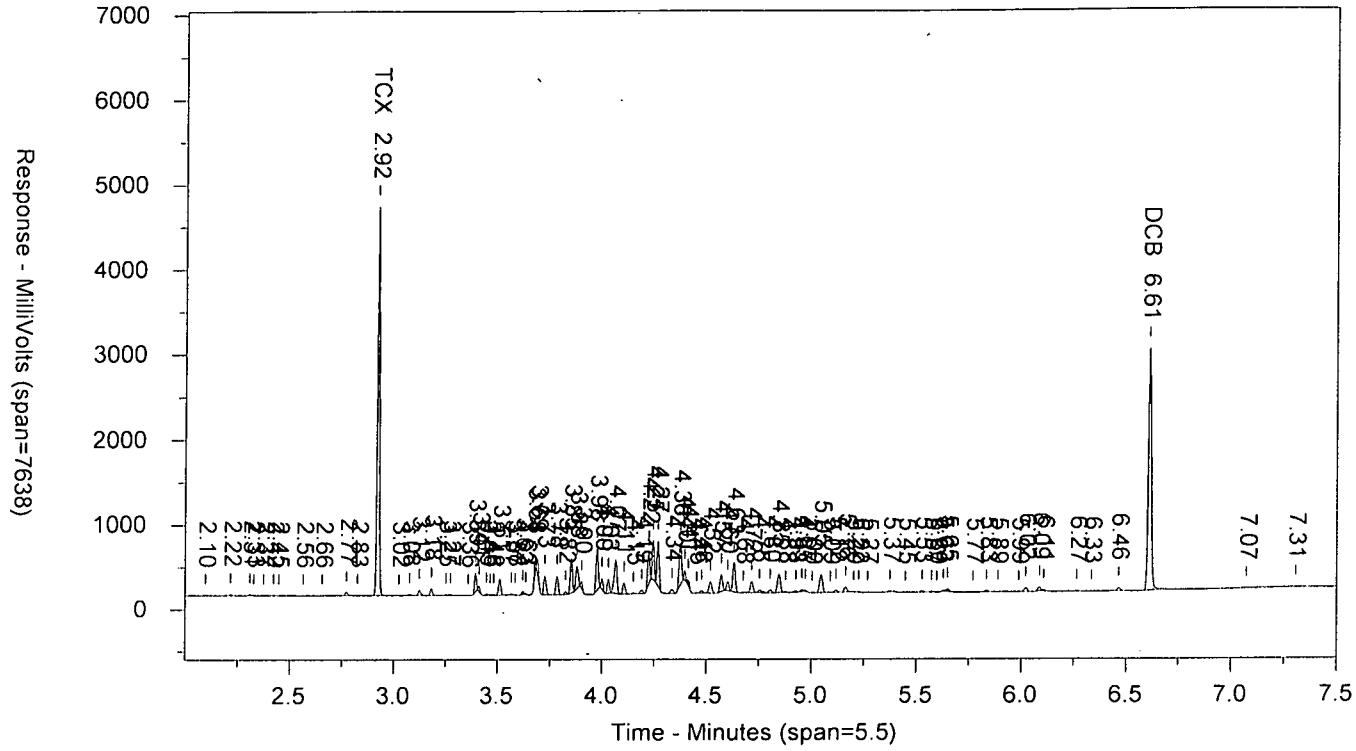

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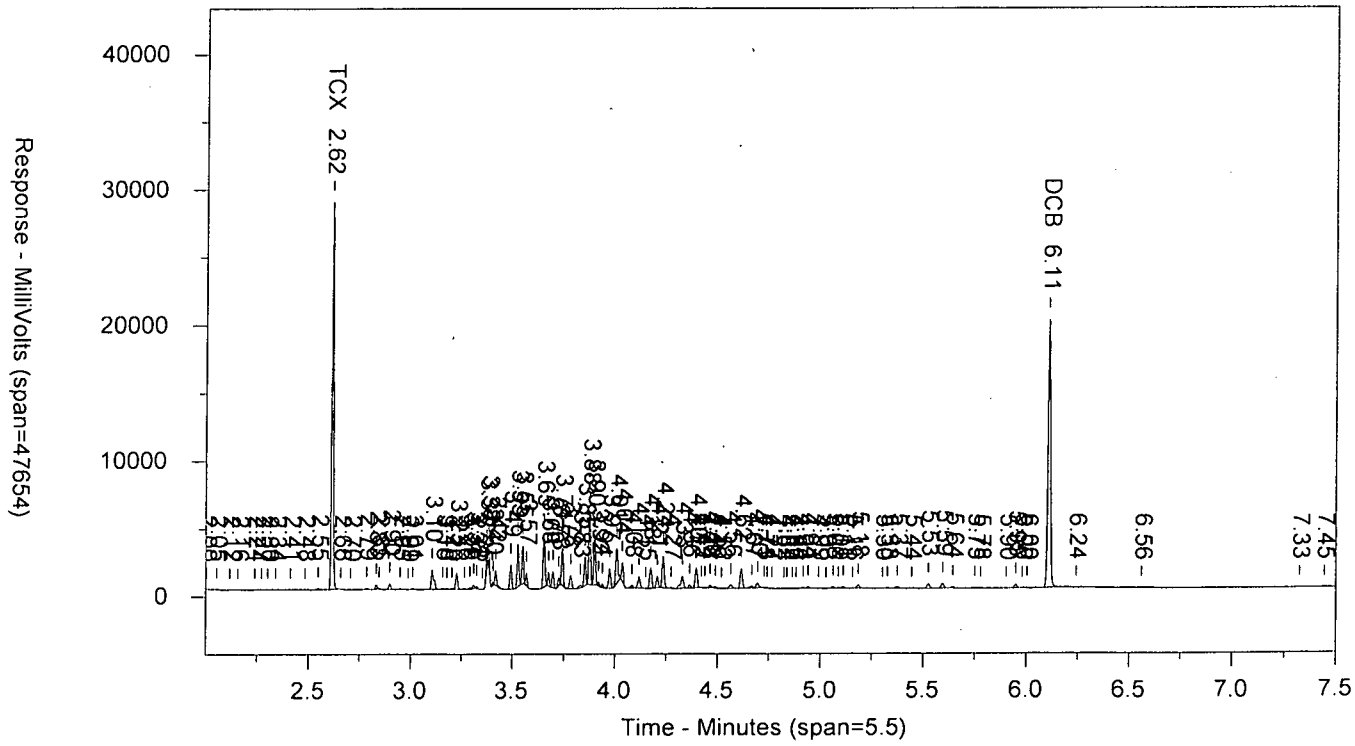

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		8359	11412
2.217		25475	18105
2.309		18010	11099
2.328		8169	4613
2.379		1939	2109
2.425		5826	5119
2.502		1259	1342
2.549		1349	824
2.564		2259	1438
2.658		1639	2137
2.719		1104	835
2.751		900	520
2.774		29483	24102
2.827		6706	6911
2.923	TCX	7226676	4837779
3.026		2483	1372
3.076		32963	27097
3.123		94733	84334
3.18		186204	135528
3.253		14496	8008
3.273		40117	25714
3.395		502874	310855
3.411		149550	74955
3.448		38214	23350
3.464		6225	2497
3.481		13356	7395
3.51		431278	343546
3.567		27448	16091
3.584		11914	7042
3.621		85162	51668
3.635		23090	10448
3.679		394745	200189
3.691		463102	243635
3.727		546276	418133
3.785		559879	450439
3.826		81569	57981
3.852		971043	719358
3.88		667112	533846
3.902		194270	109451
3.977		1155522	871026
4		320603	207999
4.032		401133	289492
4.067		1004437	938930
4.107		326973	264547
4.152		35307	27208
4.192		94004	84108
4.225		1000110	665927
4.246		1226616	790763
4.269		1321562	954947
4.336		113798	109548
4.375		1190273	989844
4.397		321817	173611
4.413		132081	75046
4.454		18080	12508

RT A	Compound A	Height A	Area A
4.477		67396	49640
4.519		327243	297902
4.571		499375	429364
4.603		277622	205483
4.633		858936	739322
4.678		16424	12069
4.717		323537	282569
4.755		71517	88544
4.806		81053	70440
4.847		525102	498791
4.877		15514	10685
4.928		42141	52201
4.955		45587	32824
4.972		31596	19842
5.004		8753	7647
5.047		542277	526559
5.09		13426	9820
5.117		50534	51789
5.163		131717	121644
5.186		5687	2336
5.203		8631	4776
5.225		19026	14310
5.269		10691	11284
5.312		1687	1059
5.374		30550	25825
5.449		9934	8537
5.489		4784	3486
5.528		35475	35147
5.574		25419	22776
5.598		3997	2637
5.63		27848	21508
5.651		51399	39666
5.745		736	1336
5.835		35240	39182
5.89		14238	24728
5.986		4651	4375
6.022		77886	78719
6.087		76377	63391
6.108		14759	9500
6.266		17469	17943
6.31		1303	991
6.393		1512	1459
6.466		55941	55077
6.613	DCB	4126763	4242890
6.733		2097	1683
6.928		910	2505
7.07		3257	6854
7.361		1248	24387
8.312		623	615
8.679		3418	4538

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		10147	8761
2.054		62382	41138
2.121		3018	1528
2.155		6616	6112
2.24		18624	29435
2.3		14902	9329
2.344		1835	1313
2.413		9168	9202
2.477		8693	13344
2.546		79682	47111
2.574		4489	3194
2.59		4992	2276
2.616	TCX	43947670	25366120
2.658		66747	37768
2.786		206161	143015
2.832		469933	241676
2.846		113410	45878
2.899		1009828	635651
2.949		109336	62353
3.009		231863	140711
3.105		3404198	2919764
3.156		231691	131585
3.178		89159	51544
3.203		101069	53368
3.227		2803889	1838013
3.264		113912	66969
3.291		185864	93769
3.309		634255	326330
3.324		302451	150305
3.351		6502	3238
3.374		3285784	1441643
3.384		3600312	1395639
3.404		569247	236335
3.418		2448493	1440444
3.492		4433489	2762948
3.527		7487300	4448681
3.55		6681319	3757791
3.568		2269669	1133104
3.653		9506378	5868204
3.676		2429337	1291614
3.697		2947622	1677754
3.726		1353091	671378
3.743		7023268	3946533
3.784		2351769	1703449
3.831		499056	411598
3.853		5382607	3249192
3.876		13107570	8193184
3.901		9545825	5689826
3.92		702686	330629
3.938		548569	306165
3.974		3629686	2499866
4.009		6419640	4809036
4.037		3780750	2057560
4.084		476624	375873

RT B	Compound B	Height B	Area B
4.119		2067483	1583569
4.151		18383	9410
4.176		3677732	2693049
4.209		1965832	1344551
4.236		5812918	4035195
4.274		119025	112311
4.33		2225487	2102556
4.365		537375	394559
4.397		3688487	2636272
4.421		98065	50404
4.44		80931	45440
4.464		427943	279985
4.49		272905	191291
4.52		5337	3759
4.564		562937	572681
4.616		3675986	2807203
4.667		261697	297484
4.696		886130	740101
4.727		65327	31632
4.742		56960	28377
4.766		67828	50563
4.839		23382	37936
4.865		18834	11033
4.883		30383	19170
4.917		152657	110370
4.941		290217	219406
4.99		85991	89209
5.027		33252	23635
5.062		205126	164195
5.088		117857	76386
5.111		275597	234111
5.185		455315	402546
5.302		7110	4302
5.327		130804	105857
5.373		228023	239195
5.444		33850	27755
5.527		538385	473152
5.595		593445	524271
5.644		218392	188749
5.751		110570	96007
5.783		6144	6622
5.833		2897	5700
5.901		6347	5092
5.95		355237	309750
5.981		7426	4842
6.003		5402	3151
6.07		3540	2261
6.109	DCB	29528940	24670880
6.286		4806	5826
6.561		21874	19757
7.559		864	15664
7.838		2126	3426
8.216		14928	22823

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

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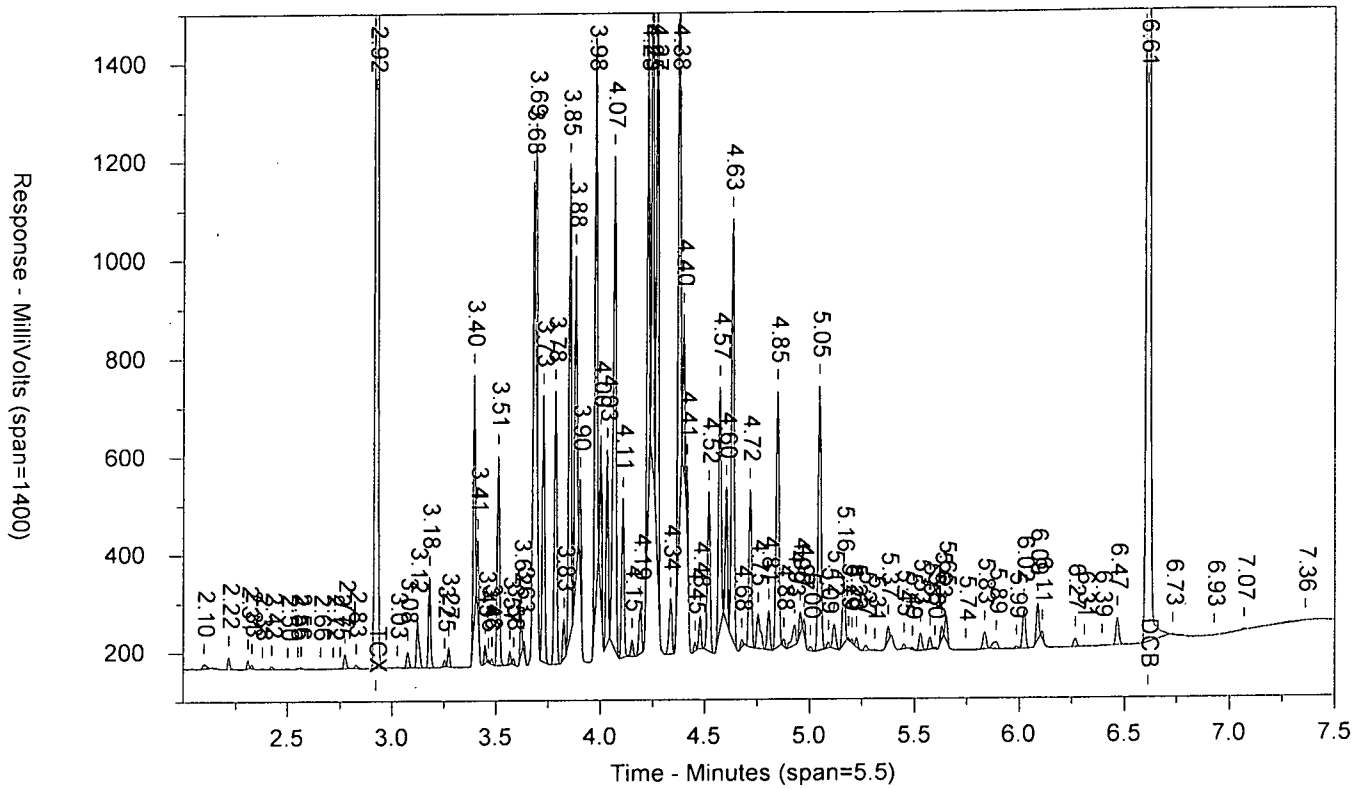

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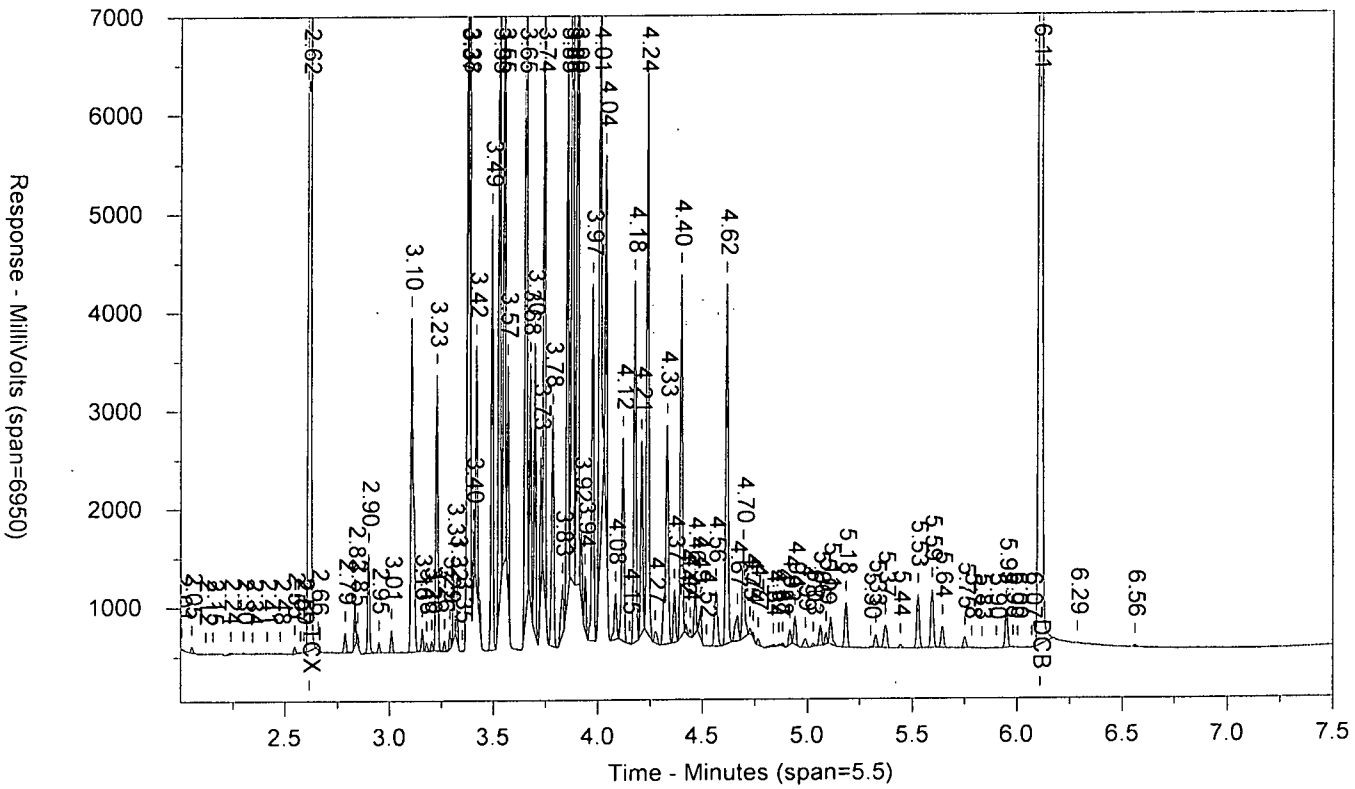

LANCASTER LABORATORIES

Sample Number: AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:12:00 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	7226676	63.592	TCX	2.616	43947670	63.572	TCX
6.613	4126763	59.968	DCB	6.109	29528940	60.612	DCB

Files:
Area File: 20pcbs17137001.015.RAW
Area File: 20pcbs17137001B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:20:44 PM
File Reported On: 5/17/2017 at 7:20:54 PM

AR4841724A AAAR484AA ICAL 1713699999 10736 SW-846 8082

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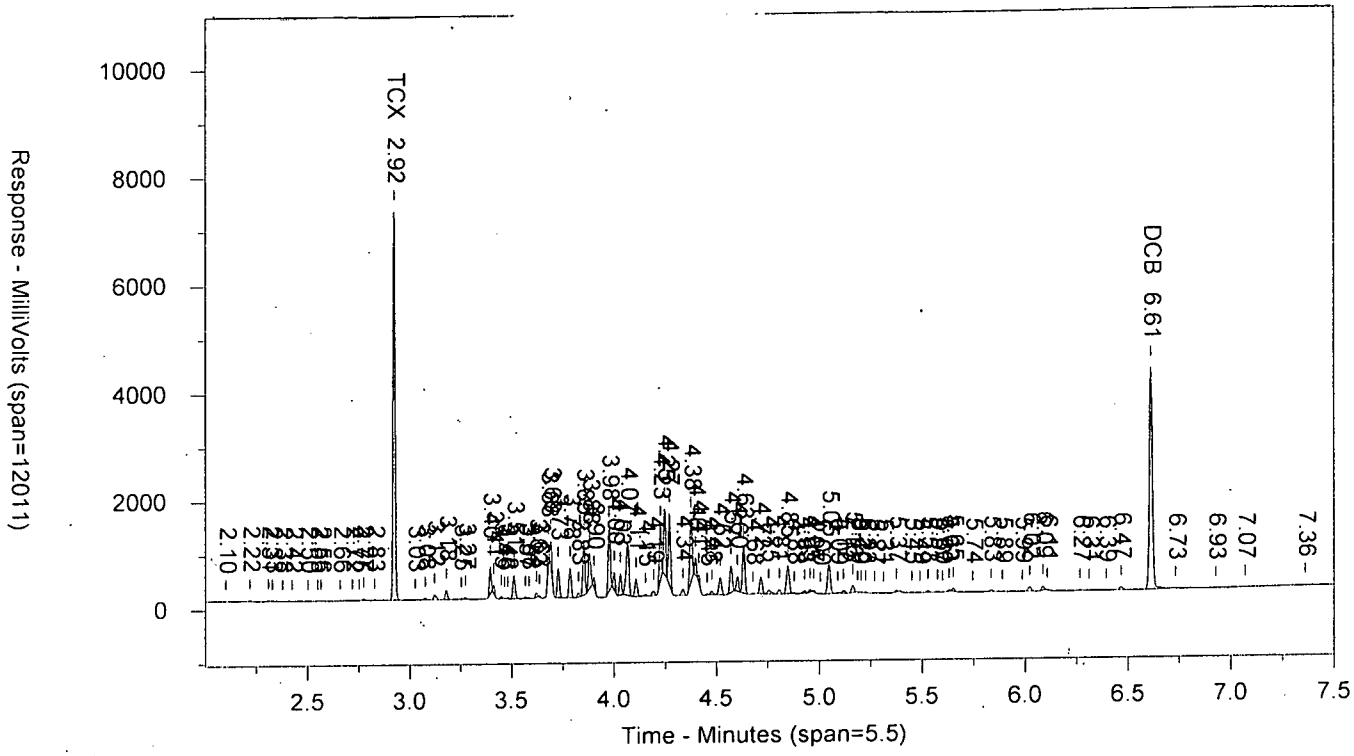

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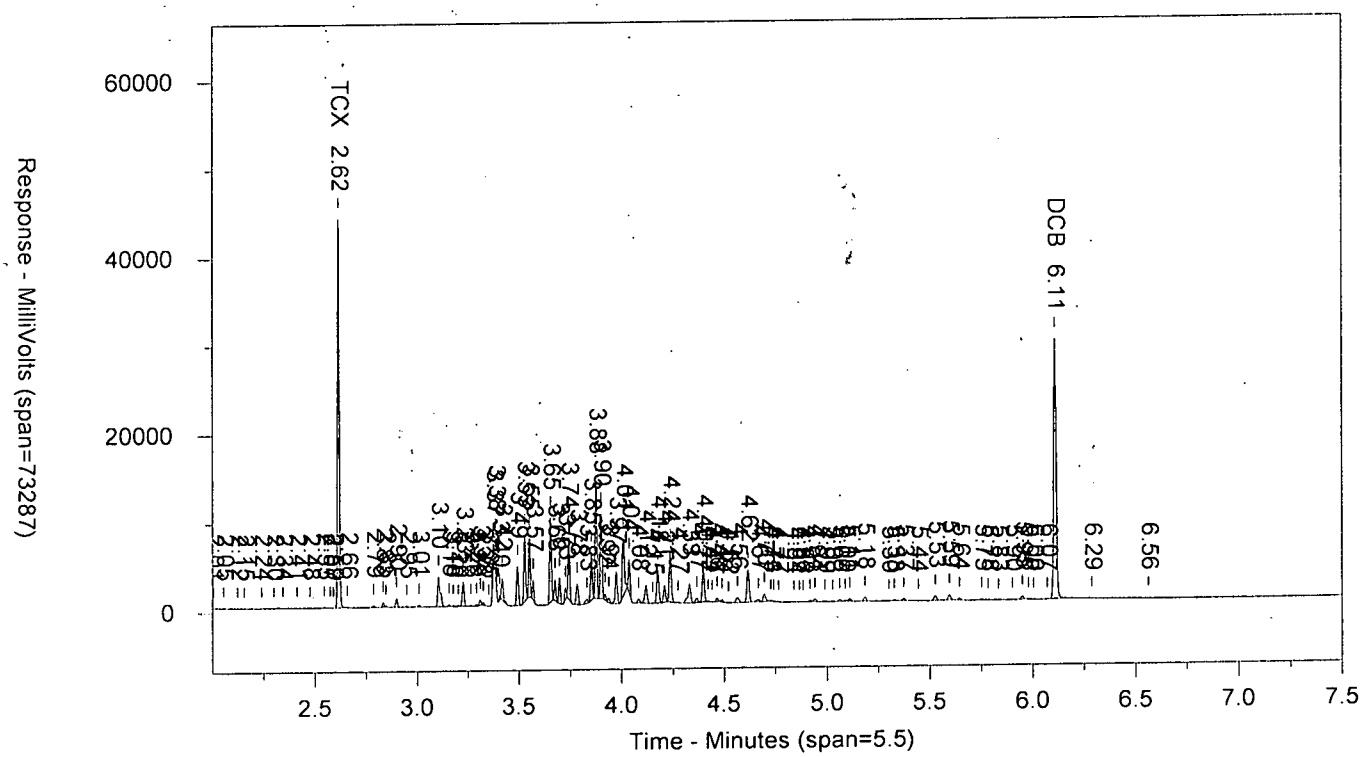

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.016.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		4593	7084
2.217		33498	23447
2.309		13290	7935
2.328		11078	6668
2.382		1720	2296
2.423		3902	3284
2.47		689	424
2.503		2044	2473
2.547		1437	711
2.564		4738	3266
2.658		1369	1191
2.718		1337	708
2.751		960	645
2.773		22149	18445
2.828		3893	4280
2.923	TCX	9509188	6382889
3.024		2770	2214
3.076		77229	66225
3.122		127603	124575
3.18		351491	252262
3.252		18493	10271
3.273		78522	51955
3.312		1711	1131
3.394		929224	583136
3.411		282470	138992
3.447		74790	44027
3.463		15591	6989
3.48		25401	13759
3.51		871828	649774
3.544		2467	1178
3.565		33886	19324
3.583		41013	24433
3.62		159962	94210
3.633		41144	19296
3.678		751000	401965
3.689		862709	421682
3.725		1075715	827649
3.783		1100756	878164
3.824		155069	110291
3.852		1921107	1394040
3.878		1379196	1041861
3.9		365044	200549
3.975		2385746	1699783
3.999		625973	398179
4.03		781565	561750
4.065		1968562	1862230
4.106		665468	507653
4.135		3097	1291
4.151		63632	46599
4.191		171392	156793
4.223		1978232	1350399
4.244		2387278	1576526
4.267		2654071	1900057
4.334		214486	206041

RT A	Compound A	Height A	Area A
4.373		2372393	1993604
4.396		692000	375125
4.411		221591	121082
4.451		34959	24086
4.475		121796	92712
4.517		622823	570173
4.569		1007498	857474
4.601		547641	404895
4.631		1726522	1469141
4.676		36870	37768
4.715		610892	548990
4.753		131809	165879
4.804		146587	134350
4.845		1061090	993486
4.874		23061	14672
4.902		7379	5694
4.925		74530	65697
4.953		78830	58000
4.97		54122	34640
5.003		16350	13508
5.045		1143176	1067163
5.088		24996	19395
5.115		69256	74854
5.161		250614	233392
5.184		11187	5031
5.2		15638	8450
5.223		36777	29163
5.266		20628	20357
5.308		2678	1954
5.371		64932	53241
5.388		13140	10404
5.446		19896	16991
5.467		1342	580
5.486		8014	6264
5.526		44167	44141
5.572		51269	44617
5.598		7411	4788
5.628		65285	48211
5.649		54034	39562
5.831		64694	70528
5.888		28123	46112
5.984		8079	7806
6.02		96222	95477
6.085		87004	76607
6.106		25508	16630
6.264		32922	33707
6.31		1858	2940
6.391		1767	2222
6.433		931	672
6.464		76919	78675
6.565		1023	913
6.608	DCB	5542819	5734791
6.892		837	813
7.063		3964	4116
7.45		2661	70223
8.545		882	716
8.68		4314	5262

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.016.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.002		1311	3102
2.054		81306	54354
2.157		6416	8440
2.185		3345	1655
2.203		11741	5347
2.241		16024	26868
2.301		29987	20834
2.365		3965	3162
2.411		12611	15149
2.478		9131	15814
2.53		8117	7715
2.547		66971	39360
2.573		8156	5086
2.591		5309	2342
2.616	TCX	56786070	33260090
2.659		134709	81776
2.787		478379	320739
2.833		584222	295727
2.847		236485	104914
2.899		1929623	1191020
2.949		139901	81298
3.01		426828	264267
3.105		6219541	5525114
3.156		449963	273490
3.178		214219	118189
3.202		187144	101921
3.226		5337686	3519511
3.264		306450	181367
3.291		225438	113958
3.309		1194423	634850
3.325		537473	249788
3.35		11796	5943
3.375		5587559	2664617
3.384		6804682	2608231
3.404		1036404	430936
3.417		5292533	3114385
3.492		8499526	5360734
3.527		14516990	8554099
3.55		13513160	7328765
3.568		4388659	2207160
3.653		18309420	11357940
3.675		5157966	2675008
3.696		5810601	3281080
3.725		2892498	1378988
3.742		13637050	7780507
3.783		4687711	3293150
3.831		953153	786418
3.853		10572020	6381212
3.875		25993180	16095300
3.9		18305070	11324790
3.919		1357384	630083
3.938		1134218	620167
3.973		6955386	4845141
4.008		12737840	9557564

RT B	Compound B	Height B	Area B
4.036		7791305	4201364
4.083		883634	670492
4.118		4169681	3070345
4.149		25797	13261
4.175		7284101	5400915
4.207		4095503	2762758
4.235		10969450	8064227
4.273		221433	211951
4.329		4344186	4118143
4.364		1077920	776805
4.396		7390967	5298636
4.42		199172	106121
4.438		86119	44711
4.463		820634	541948
4.489		565657	381321
4.563		1095988	1084044
4.615		7421871	5722627
4.664		344671	445142
4.694		1631230	1458476
4.726		125234	60063
4.741		109560	52383
4.764		133506	93699
4.824		5514	6154
4.837		19943	13282
4.864		35933	20873
4.881		60200	36238
4.915		290617	205189
4.939		547162	423613
4.989		160815	158904
5.025		62888	47280
5.06		275729	220265
5.086		220401	149677
5.109		518313	444895
5.183		578000	500356
5.301		11249	6755
5.325		250027	198374
5.371		449097	470208
5.443		60303	50355
5.525		646277	589500
5.594		732436	649246
5.643		311215	265988
5.749		222061	188358
5.781		10196	7215
5.901		8522	6219
5.949		515876	430881
5.979		10162	6933
6.001		6081	4085
6.044		1978	1919
6.072		3138	2728
6.108	DCB	38578290	33566540
6.201		8400	9032
6.235		9444	5132
6.557		29230	28882
6.726		2890	2478
6.861		2837	4876
7.247		1722	2040
7.357		1821	1610
7.441		1250	3191
7.555		1936	4045
7.628		1505	4812
8.213		15696	27337
8.321		1847	2164

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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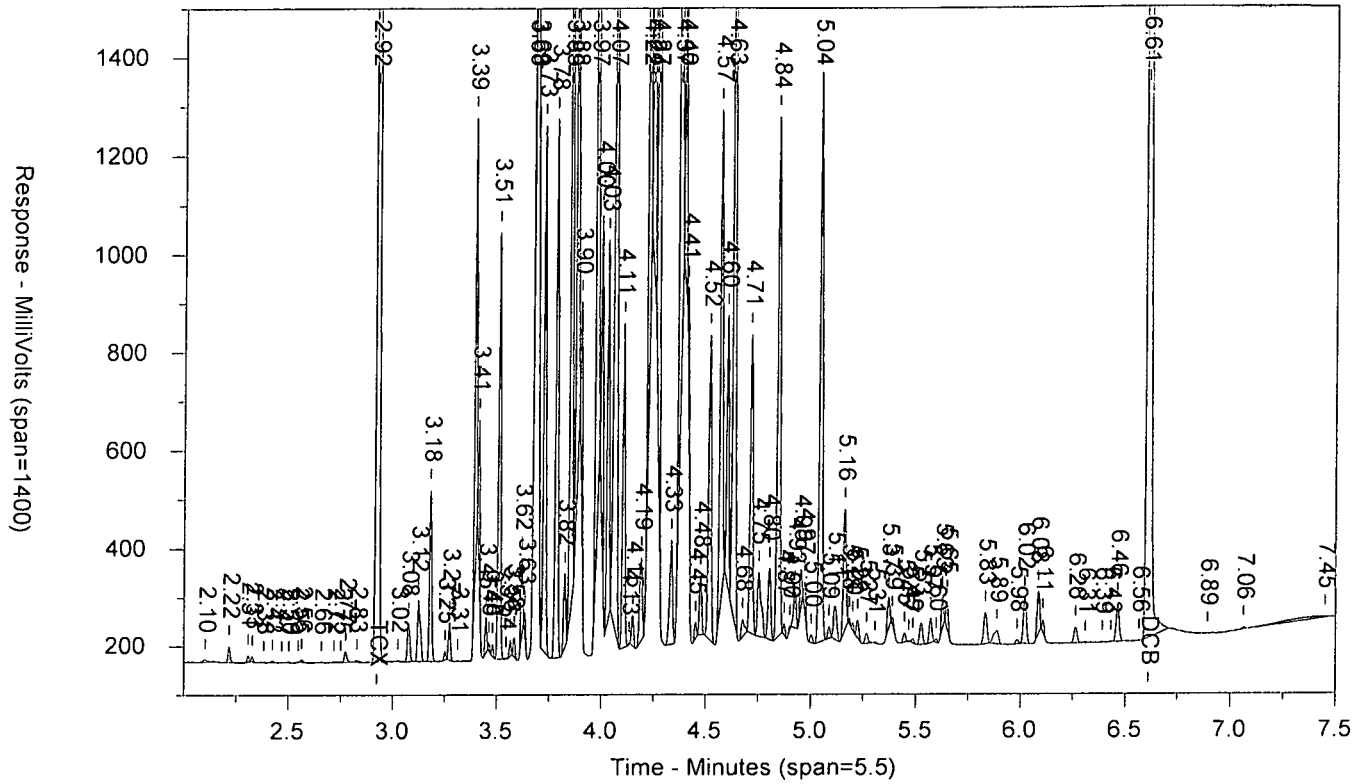

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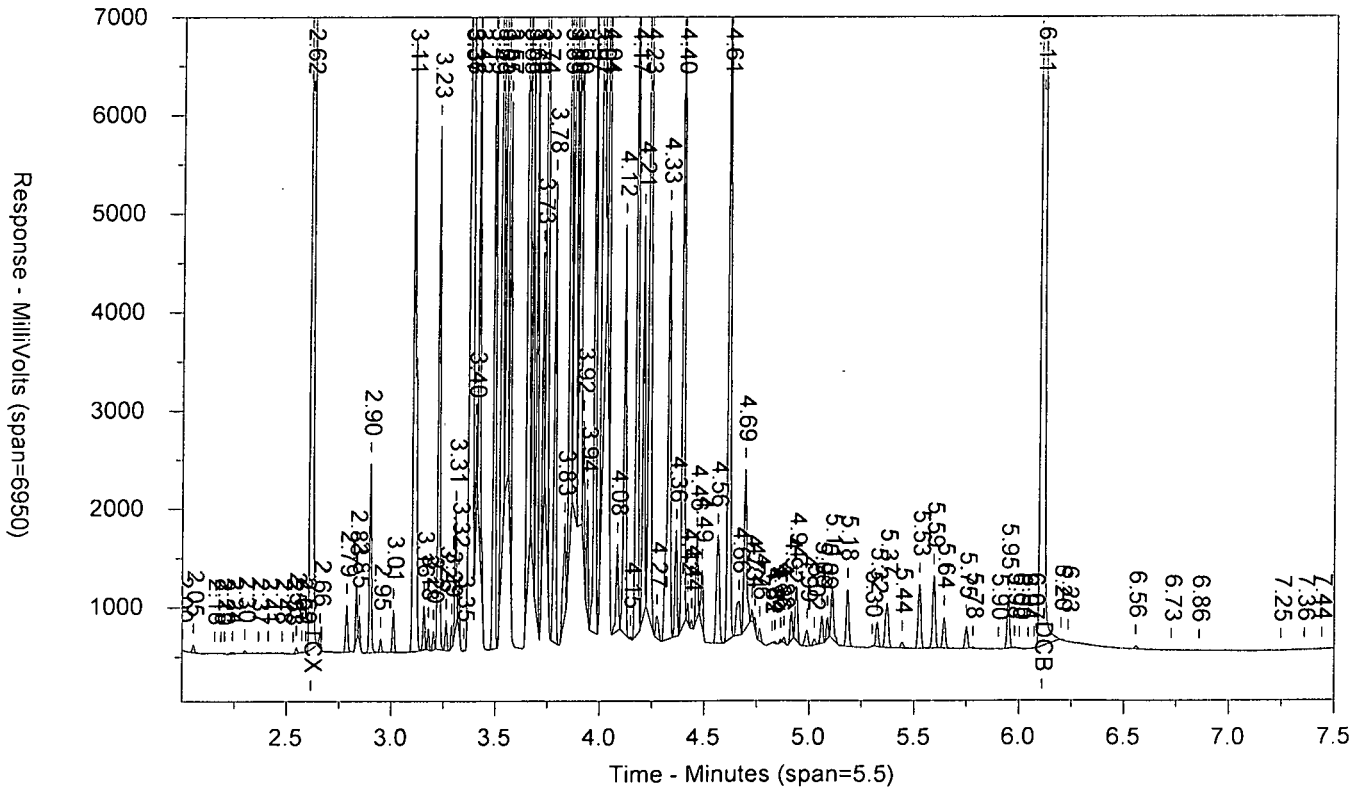

LANCASTER LABORATORIES

Sample Number: AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:23:20 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	9509188	83.678	TCX	2.616	56786070	82.143	TCX
6.608	5542819	80.545	DCB	6.108	38578290	79.187	DCB

Files:
Area File: 20pcbs17137001.016.RAW
Area File: 20pcbs17137001B.016.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:32:05 PM
File Reported On: 5/17/2017 at 7:32:10 PM

AR4851724A AAAR485AA ICAL 1713699999 10736 SW-846 8082

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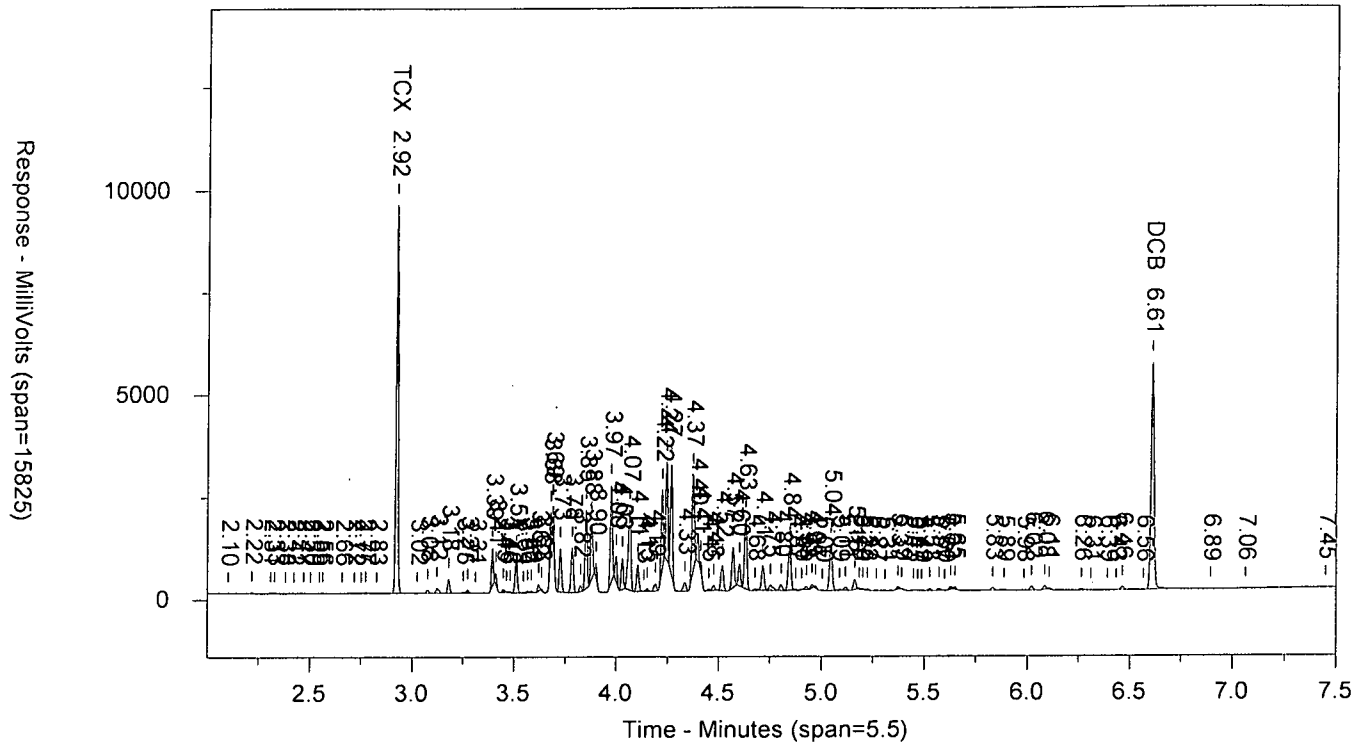

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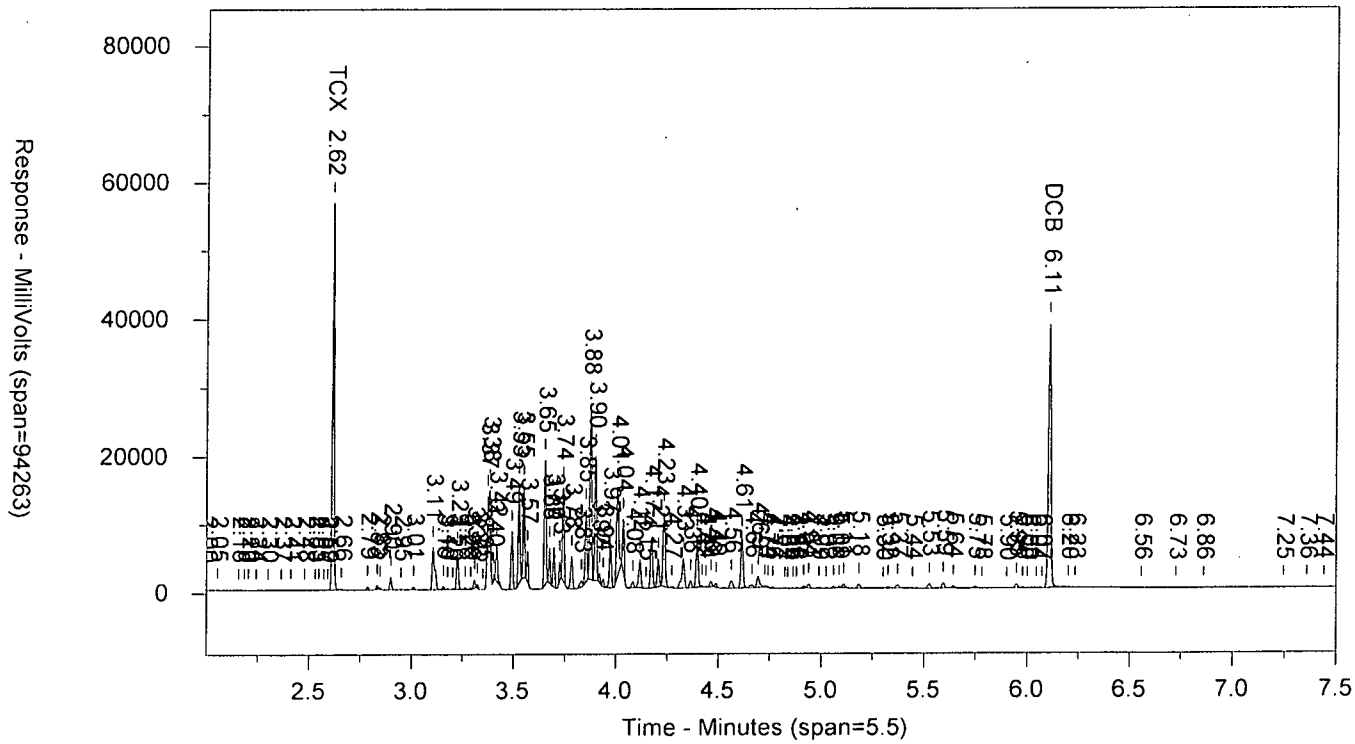

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.017.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10886	23496
2.217		1839	2275
2.309		15168	10983
2.378		1706	1758
2.424		5314	4549
2.55		1373	1154
2.658		1286	986
2.757		533	1360
2.774		38937	33321
2.828		6648	5962
2.923	TCX	469646	311766
3.075		1227	1010
3.122		6204	4143
3.19		6507	6987
3.252		1330	786
3.396		3824	2297
3.491		685	375
3.511		2219	1218
3.529		2577	2108
3.566		1487	778
3.586		2420	1578
3.621		829	406
3.665		9075	5995
3.694		2052	1405
3.729		6452	4785
3.784		3169	2312
3.853		101973	76695
3.881		25430	21830
3.978		62328	45913
4.002		3200	1986
4.032		4867	3520
4.067		26423	22595
4.108		4264	3627
4.17		1155	842
4.189		4391	3208
4.226		158940	114965
4.247		67405	41144
4.271		45220	31764
4.296		5647	3978
4.338		46194	38299
4.381		235994	242178
4.414		91259	72443
4.454		3466	2330
4.478		15303	11960
4.52		87831	80696
4.573		157523	139594
4.604		37849	25562
4.634		302959	270518
4.679		14088	9913
4.718		44709	36534
4.755		99229	102980
4.808		21721	18169
4.848		203718	201976
4.903		21450	17065

RT A	Compound A	Height A	Area A
4.927		4028	2450
4.956		74122	58271
4.972		32787	21605
5.004		2726	2090
5.048		156682	156863
5.091		19233	14905
5.117		21115	28238
5.164		206064	191571
5.186		10316	5267
5.204		9686	5438
5.225		3747	2576
5.269		7318	6340
5.375		76146	96587
5.45		9704	10865
5.489		7278	6542
5.529		5907	5735
5.573		42882	37705
5.6		5828	3812
5.631		32547	35703
5.746		914	1181
5.838		29206	27574
5.869		4532	4436
6.021		6550	7319
6.085		6890	6038
6.265		1737	1949
6.33		1659	1647
6.466		3719	3560
6.611	DCB	300948	331957
7.492		2450	90638
7.686		1023	6247
8.681		1486	1193

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.017.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11051	9701
2.158		7959	33791
2.24		16537	27262
2.342		2543	1523
2.369		2479	2479
2.394		1856	883
2.413		7554	8111
2.478		8297	14176
2.529		10974	8574
2.547		103940	67223
2.594		3015	1693
2.616	TCX	2782724	1654542
2.704		4200	7324
2.78		3251	1510
2.802		2939	1605
2.833		44607	42260
2.899		21245	36351
2.949		7694	4163
2.987		2181	1254
3.106		32606	57955
3.181		19295	27992
3.227		25795	15980
3.266		18605	12510
3.291		12798	6249
3.325		114422	72379
3.374		42308	42351
3.406		15568	7782
3.45		4855	2741
3.493		30588	22044
3.527		724921	437997
3.55		232682	134880
3.568		19756	8884
3.654		474916	287024
3.676		29890	15756
3.699		52306	36872
3.727		28359	13658
3.743		171074	97982
3.784		41858	31062
3.824		35334	30846
3.854		153788	90457
3.876		1675701	1080969
3.901		183766	104519
3.921		172927	93830
3.939		262163	154084
3.975		1463146	995474
4.006		600005	359533
4.024		351061	189444
4.085		114619	122824
4.119		553443	418734
4.176		1088486	797125
4.209		297917	215536
4.237		1979718	1452344
4.275		151100	145553
4.329		951254	812833

RT B	Compound B	Height B	Area B
4.365		147888	110793
4.398		1311884	939813
4.422		210695	136165
4.465		810169	608019
4.489		37857	21509
4.52		4432	3895
4.564		679529	710309
4.617		881164	713966
4.657		231784	199797
4.696		1442526	1380726
4.743		104444	66355
4.767		47607	34847
4.826		20322	28949
4.882		72139	62657
4.917		72457	48849
4.941		418958	346889
4.991		56911	48135
5.027		47816	37263
5.06		33071	29289
5.089		214360	157330
5.111		161947	142157
5.154		5108	2463
5.185		38202	35925
5.328		6821	4710
5.369		179296	178462
5.527		44754	37792
5.573		8648	6620
5.595		44501	34303
5.644		22235	22750
5.75		8667	7817
5.843		1981	2556
5.949		24816	21237
6.109	DCB	2060654	1950215
6.558		2676	8697
6.709		1667	3110
6.812		2605	7334
7.322		1629	3758
7.444		1624	4424
7.559		2243	6175
8.169		1973	781
8.214		16748	32679
8.425		1358	2261
8.598		1572	1487

AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

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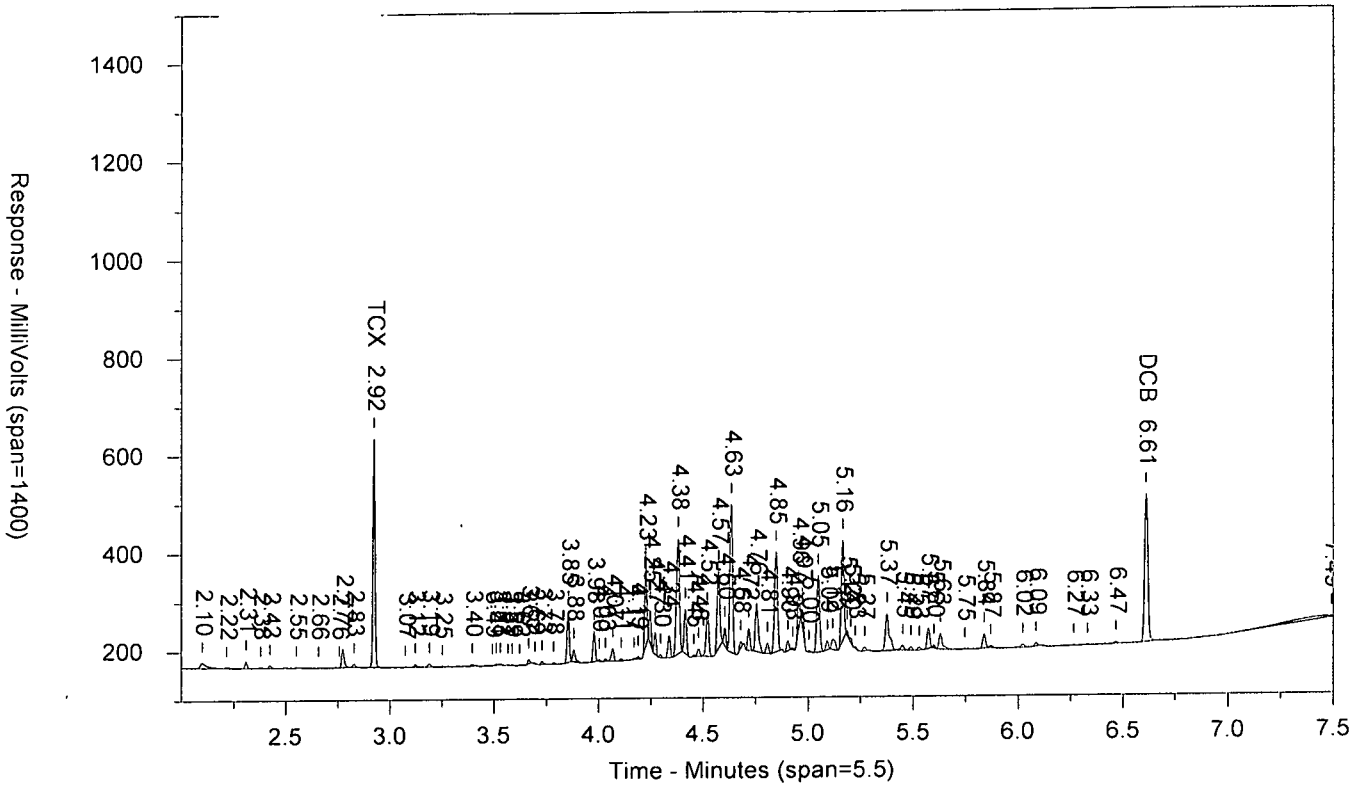

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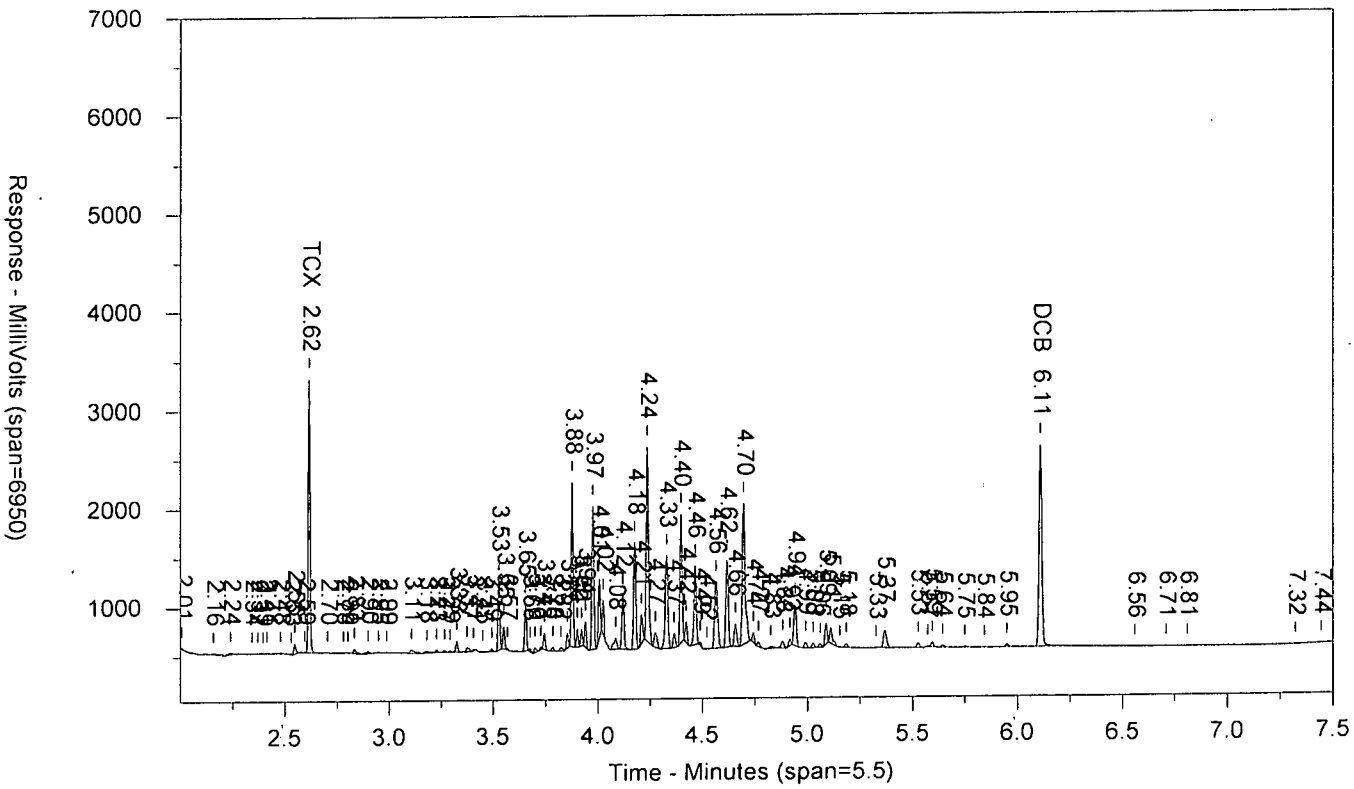

LANCASTER LABORATORIES

Sample Number: AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:34:47 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	469646	4.133	TCX	2.616	2782724	4.025	TCX
6.611	300948	4.373	DCB	6.109	2060654	4.23	DCB

Files:
Area File: 20pcbs17137001.017.RAW
Area File: 20pcbs17137001B.017.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:43:31 PM
File Reported On: 5/17/2017 at 7:43:40 PM

AR5411724A AAAR541AA ICAL 1713699999 10736 SW-846 8082

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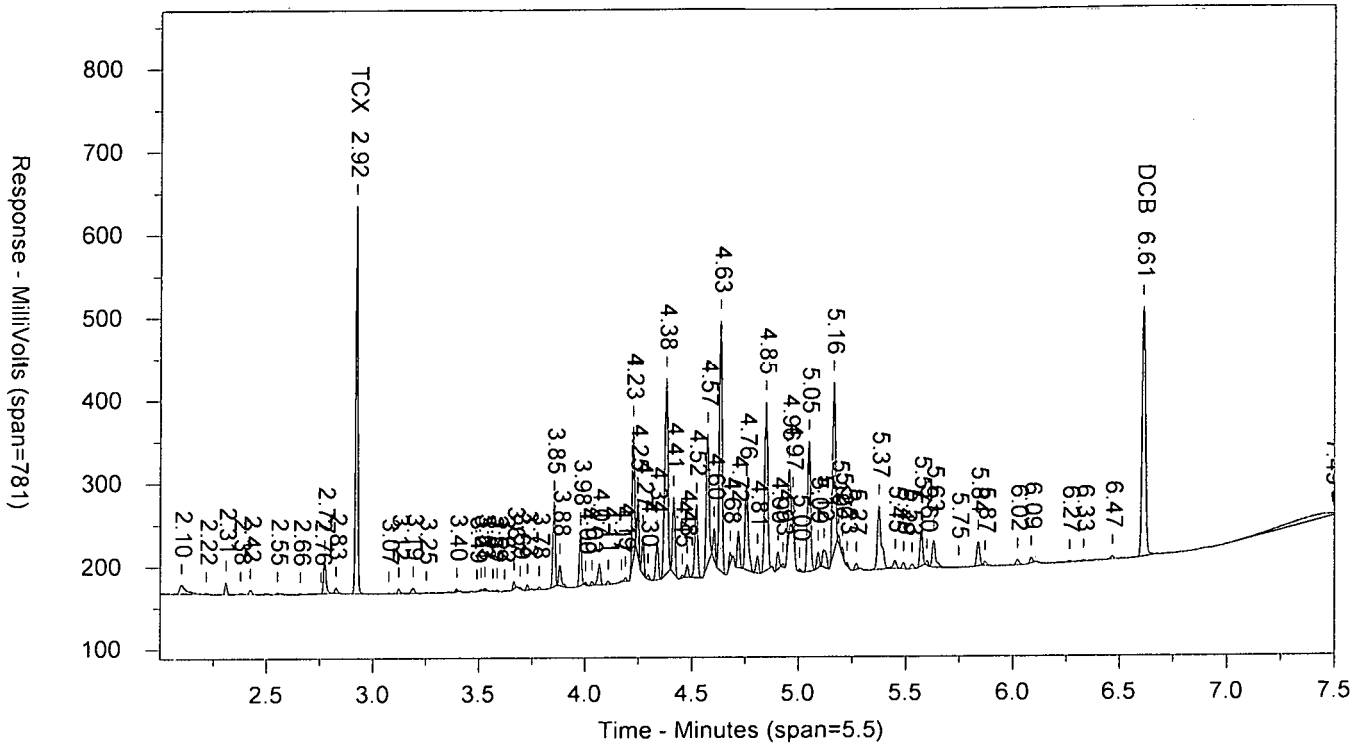

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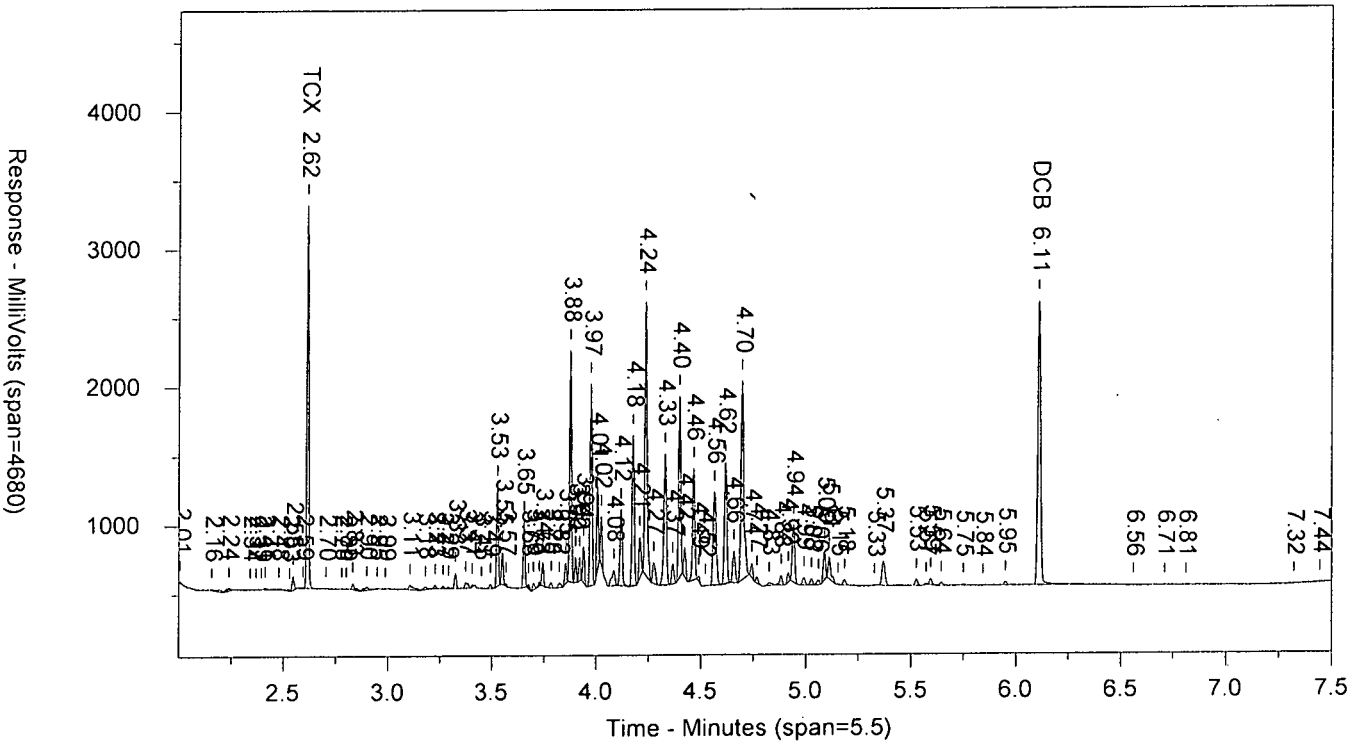

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.018.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		11112	25765
2.218		3350	2993
2.309		9561	6232
2.377		1860	2464
2.426		2689	2812
2.548		1212	827
2.659		1355	945
2.752		867	488
2.774		35670	30486
2.828		2713	2173
2.923	TCX	891329	601538
3.075		1405	1364
3.123		12066	8068
3.182		4812	5652
3.253		2308	1641
3.279		666	555
3.396		7291	4389
3.464		2246	1989
3.511		5348	3185
3.568		3020	1752
3.586		4425	2923
3.622		1407	790
3.666		2914	1558
3.68		3500	1436
3.693		3350	2710
3.729		14953	11385
3.786		6559	5038
3.829		786	578
3.854		177239	136127
3.881		48073	36700
3.977		114931	85800
4.002		5780	3448
4.032		10695	7611
4.068		48793	44942
4.109		9757	7113
4.154		1233	686
4.189		9325	7105
4.226		305110	215431
4.247		119948	73361
4.271		88553	62670
4.295		4564	2919
4.337		85331	72241
4.38		437157	449308
4.414		160247	132898
4.455		6213	3897
4.477		27929	22309
4.52		161983	145212
4.571		284736	262849
4.603		65605	46242
4.633		596274	511434
4.679		25515	18123
4.693		12073	6130
4.717		86514	69494
4.755		183692	189658

RT A	Compound A	Height A	Area A
4.806		38620	33410
4.847		393671	377914
4.876		7433	4380
4.902		39480	31786
4.927		7567	4426
4.955		138336	109214
4.973		62105	42065
5.004		5058	3879
5.047		309698	296067
5.091		33655	27831
5.117		38393	52977
5.164		398325	362995
5.187		21954	10024
5.203		12622	7182
5.226		9659	6325
5.27		13485	11790
5.375		134935	179364
5.425		1129	658
5.449		17192	15144
5.489		14747	13057
5.53		7813	7721
5.574		80910	71420
5.599		11267	7482
5.63		58906	65845
5.838		53986	50332
5.87		8686	8478
6.022		11916	12433
6.087		13198	11732
6.108		2524	1797
6.268		3061	3060
6.466		7960	8219
6.569		745	986
6.612	DCB	587785	621306
7.088		215	1623
7.493		952	23244
8.679		3512	4569

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.018.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		12116	12913
2.054		8180	6439
2.158		3395	2519
2.239		14669	23303
2.412		7992	10618
2.477		10994	23670
2.526		12108	10738
2.547		101788	67198
2.593		2675	1017
2.615	TCX	5567068	3241038
2.784		5688	5136
2.833		77579	56987
2.898		29120	28637
2.947		14413	9940
3.105		51051	50570
3.179		20012	15460
3.202		3483	2286
3.227		40512	27225
3.264		38621	23386
3.291		25244	13458
3.309		7429	3151
3.325		50680	28384
3.375		37583	17957
3.384		24496	8510
3.405		21054	9334
3.418		61421	40391
3.493		58067	38231
3.527		1299688	802293
3.55		438729	250624
3.568		42825	18177
3.654		839305	527746
3.677		67649	34791
3.698		95811	63892
3.727		75889	35310
3.743		314516	180572
3.784		82268	60620
3.824		63769	58191
3.854		286946	167274
3.875		3060571	2017712
3.901		343580	191538
3.921		312575	174805
3.939		528732	312912
3.975		2766149	1833023
4.006		1089804	660616
4.024		674857	350396
4.084		217971	191080
4.119		1032545	776043
4.176		2131657	1547957
4.209		612041	428659
4.236		3737878	2753842
4.274		275118	270887
4.329		1769741	1512920
4.365		276176	206902
4.397		2470128	1767883

RT B	Compound B	Height B	Area B
4.422		397437	253696
4.464		1458073	1126610
4.489		76822	43252
4.564		1335614	1311140
4.617		1682300	1372686
4.656		433120	377695
4.696		2736833	2628196
4.743		197995	126960
4.766		89485	60475
4.825		33425	43669
4.883		140261	124559
4.917		137896	93933
4.941		821670	652008
4.991		110239	93565
5.027		92159	70720
5.059		63560	54915
5.089		429225	308304
5.111		305888	266800
5.153		8529	4901
5.185		70793	65284
5.327		14478	11682
5.368		352730	346447
5.474		2331	2087
5.526		81445	70603
5.572		14170	9979
5.594		85439	69178
5.643		39616	35094
5.75		17959	14265
5.949		49274	42792
6.109	DCB	3897569	3649784
6.556		2822	2355
6.817		2197	3204
7.39		1698	1880
7.629		2024	34134
8.217		15004	26375

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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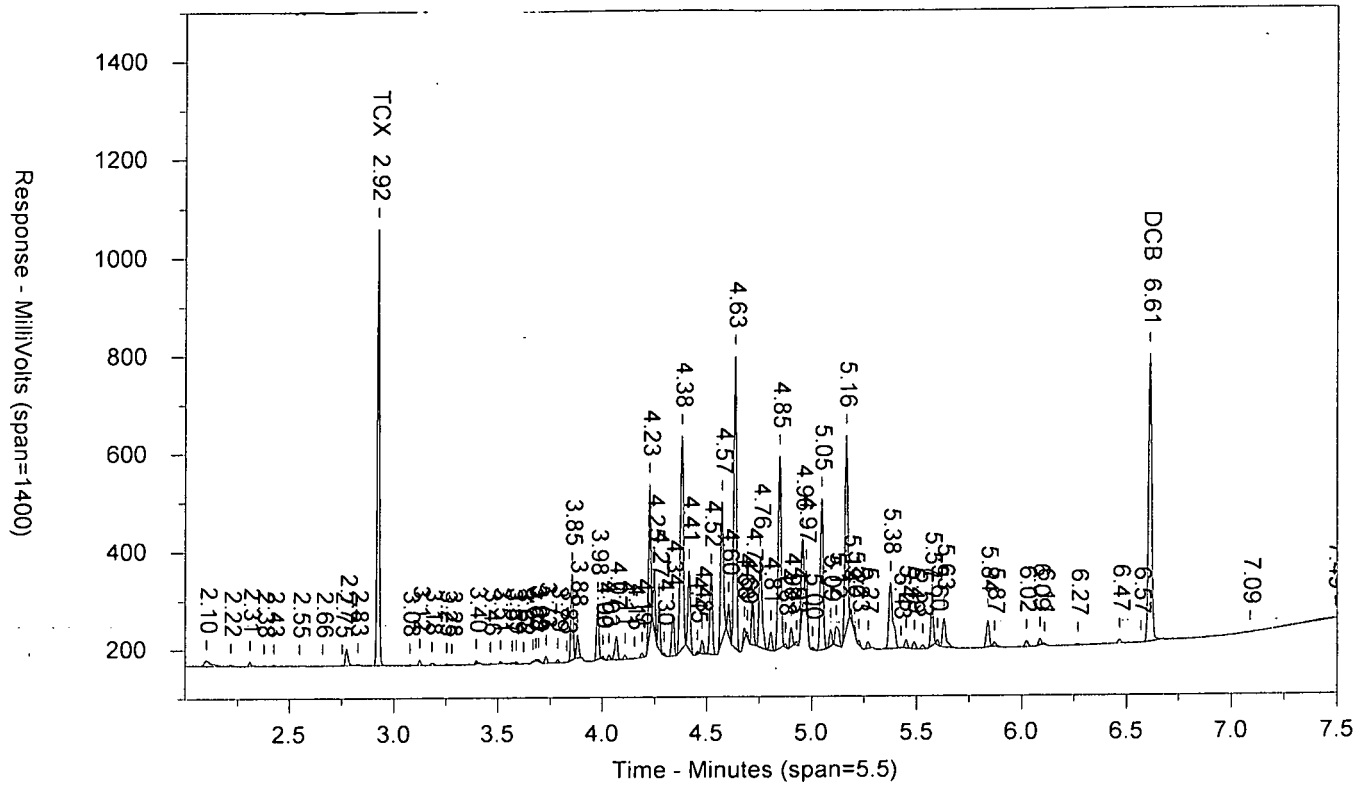

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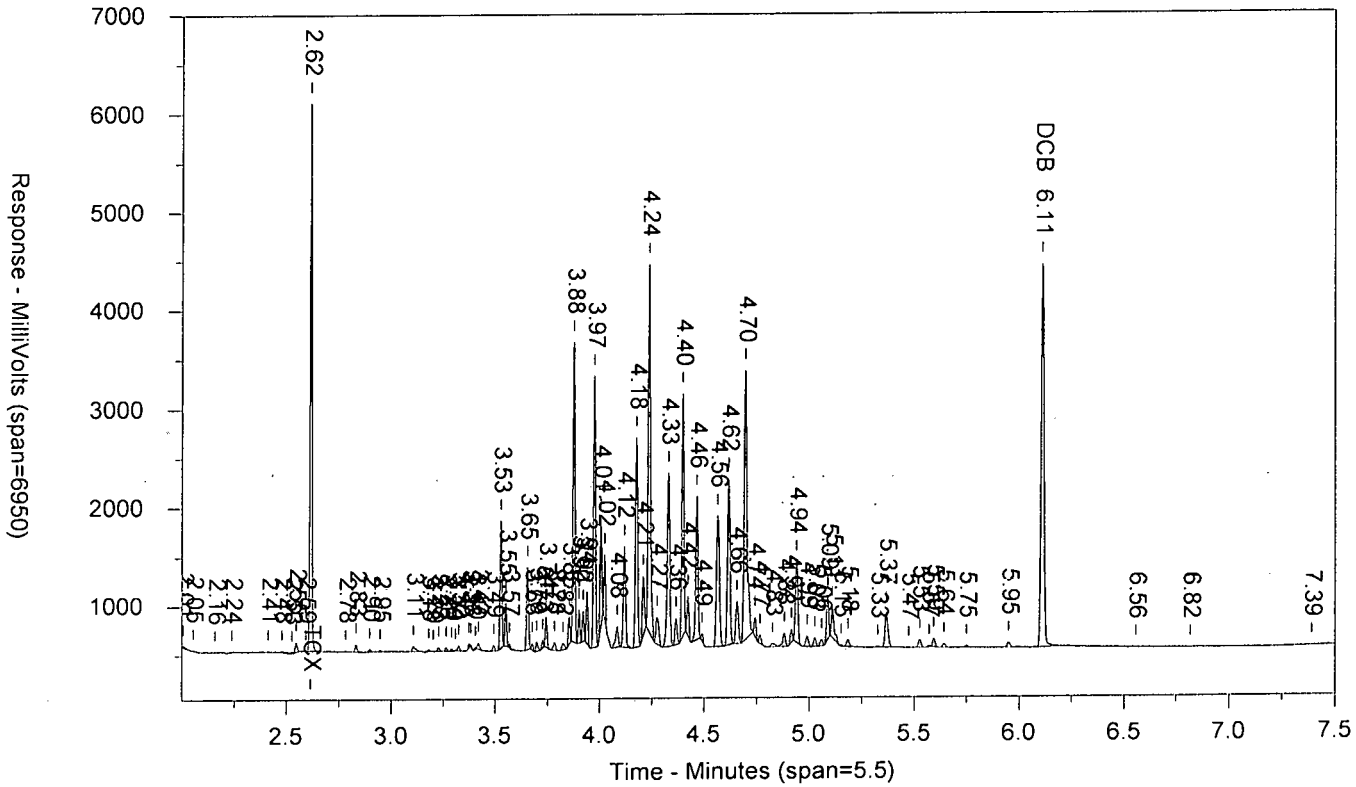

LANCASTER LABORATORIES

Sample Number: AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:46:17 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	891329	7.843	TCX	2.615	5567068	8.053	TCX
6.612	587785	8.541	DCB	6.109	3897569	8	DCB

Files:
Area File: 20pcbs17137001.018.RAW
Area File: 20pcbs17137001B.018.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 7:55:01 PM
File Reported On: 5/17/2017 at 7:55:11 PM

AR5421724A AAAR542AA ICAL 1713699999 10736 SW-846 8082

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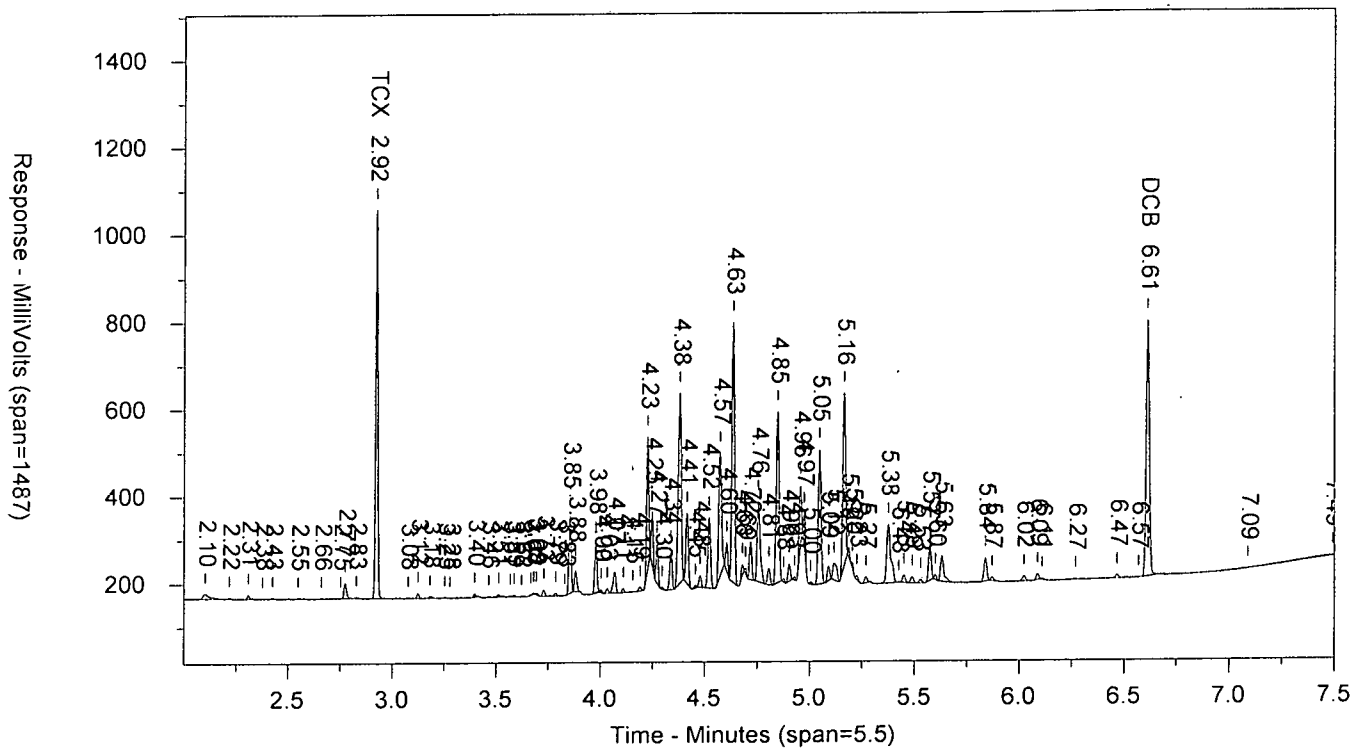

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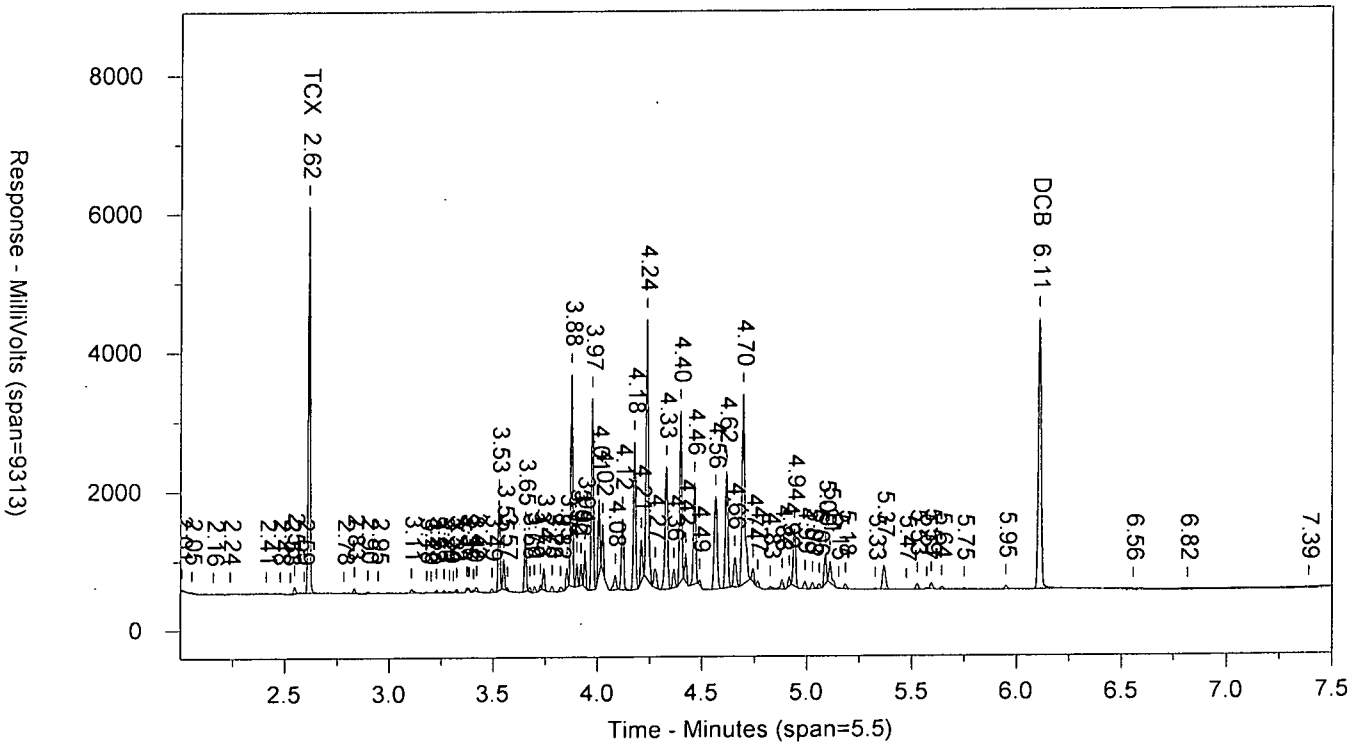

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.019.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		9388	20820
2.217		8192	6119
2.31		7625	4672
2.328		2519	1391
2.38		1444	1721
2.425		4543	3663
2.553		954	785
2.657		814	736
2.774		33907	28830
2.829		5127	4949
2.923	TCX	2258999	1493522
3.076		3773	3108
3.123		30402	20475
3.182		10558	11271
3.253		4743	2997
3.274		1174	853
3.396		18511	11338
3.412		5152	2727
3.466		5330	4320
3.511		14051	8892
3.567		7172	4185
3.586		12180	7435
3.622		3592	3901
3.665		5377	3097
3.68		9798	4633
3.692		7572	6291
3.728		39894	29891
3.785		15534	11868
3.827		2068	1236
3.853		403825	303006
3.88		107850	102706
3.977		251740	195006
4.001		14867	8614
4.032		29031	19947
4.067		112588	108598
4.108		23024	18201
4.136		1516	800
4.153		3385	1927
4.188		20543	16043
4.226		689965	484735
4.245		257739	157798
4.27		193606	141623
4.336		186165	162483
4.379		1081605	1045801
4.413		368483	296832
4.454		14578	9915
4.477		67310	52455
4.519		368559	330063
4.571		686384	615938
4.602		163372	107682
4.633		1443245	1224492
4.678		66421	45984
4.692		21243	11647
4.717		192259	154675

RT A	Compound A	Height A	Area A
4.754		415415	428331
4.805		86550	77498
4.846		944204	876808
4.874		18399	10707
4.902		87581	73724
4.927		18121	10134
4.955		320144	245945
4.971		143512	92967
5.003		11624	8807
5.047		758464	713914
5.09		79498	62798
5.116		85290	117608
5.163		963852	862568
5.185		40418	18958
5.203		30100	15230
5.225		26715	17388
5.269		31874	27351
5.373		308306	414114
5.423		2213	1063
5.448		37759	35537
5.488		33871	31551
5.528		17126	16936
5.573		176130	165158
5.6		25078	17246
5.629		130868	147206
5.837		119583	114542
5.868		20902	20201
6.021		26852	27439
6.086		29187	24992
6.107		6115	3941
6.265		7501	6945
6.392		841	968
6.465		17103	17663
6.61	DCB	1367514	1472703
7.072		1279	1973
7.56		2174	54731

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.019.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		11427	9609
2.053		19393	13196
2.155		3889	4965
2.241		19262	46173
2.343		1440	1184
2.412		4838	5719
2.479		6303	8853
2.547		94106	60037
2.616	TCX	13421420	8024805
2.785		21125	16783
2.833		186732	125794
2.899		69097	62995
2.949		34270	20273
2.988		1602	772
3.009		7665	5453
3.105		132505	135826
3.178		45690	30910
3.203		6324	3125
3.227		103610	68693
3.264		103281	61555
3.291		61909	32641
3.31		15782	7273
3.325		106947	60384
3.375		86084	40980
3.384		57539	20739
3.405		43588	21003
3.418		154982	105859
3.493		137473	89986
3.527		2966112	1796834
3.55		993798	572108
3.568		94678	40923
3.585		15235	8493
3.654		1919756	1190084
3.676		139493	72852
3.698		223836	146137
3.727		179267	87678
3.743		679391	393631
3.783		196197	146860
3.823		155022	139443
3.853		672848	381230
3.876		7227687	4681049
3.901		779342	429874
3.92		674814	372617
3.939		1065973	645094
3.974		6229853	4246805
4.006		2436783	1483152
4.023		1396710	761003
4.084		475479	376566
4.119		2398734	1759294
4.175		4960347	3659814
4.208		1314596	951831
4.236		8864505	6479641
4.274		645643	620405
4.328		4172151	3508653

RT B	Compound B	Height B	Area B
4.364		622376	474781
4.397		6007735	4223100
4.421		877964	554629
4.464		3438030	2598735
4.489		162056	91649
4.564		3085415	3038204
4.616		4310358	3361586
4.656		982643	856896
4.695		6390798	6255188
4.742		436378	291990
4.766		203137	139291
4.825		78130	90498
4.882		322055	292180
4.916		328827	218039
4.94		1953657	1521397
4.991		261448	213386
5.026		207625	168724
5.059		156464	131042
5.088		966074	706509
5.11		592918	409019
5.128		78104	41283
5.151		16569	9776
5.183		154421	132022
5.303		2353	1444
5.326		35164	27523
5.368		801310	818176
5.469		3535	3917
5.526		176865	151508
5.571		32941	22904
5.595		173931	143419
5.643		86990	75091
5.75		43449	41959
5.902		2738	2335
5.949		116377	98149
6.108	DCB	9480798	8756876
6.557		8171	7307
7.256		1113	1231
7.391		1647	885
7.434		2173	2437
7.497		1880	3738
7.618		1794	12092
8.215		16618	30952

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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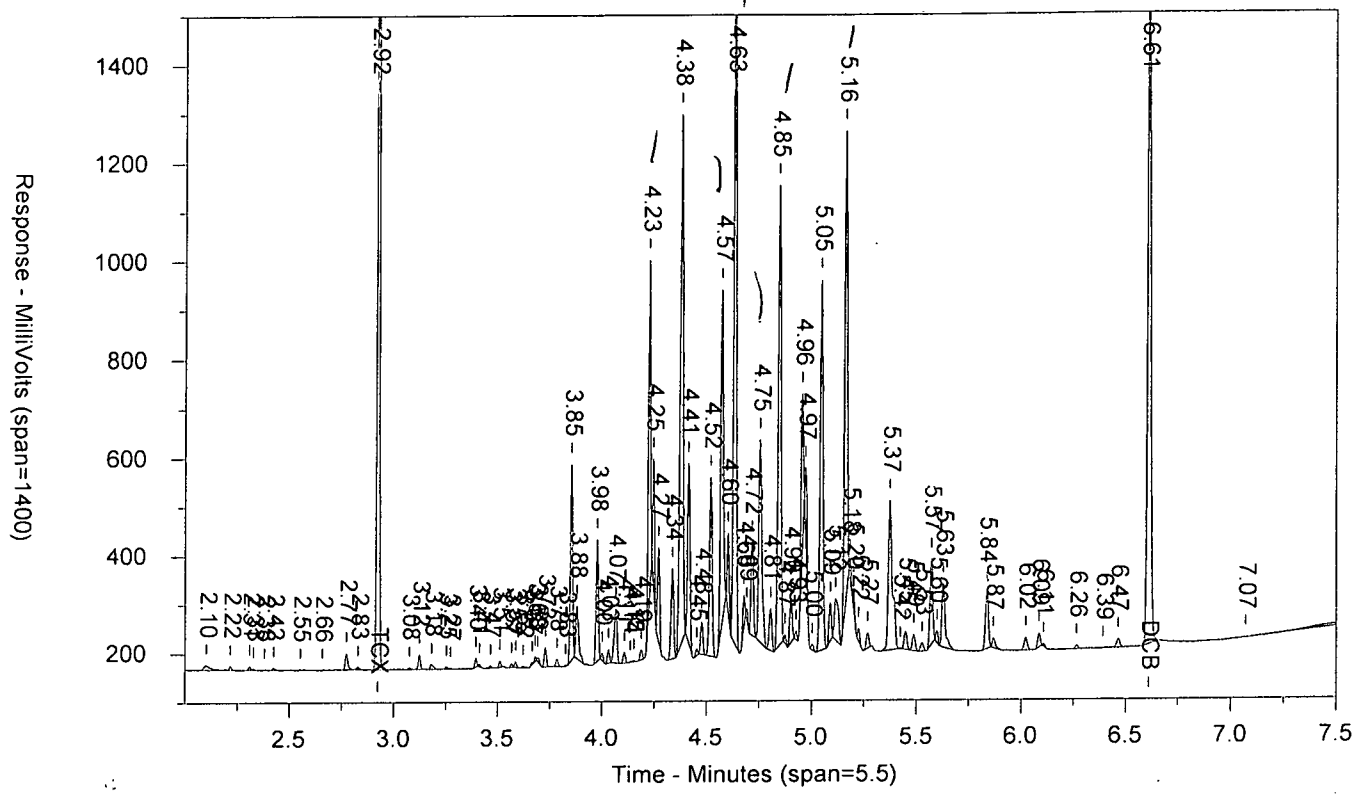

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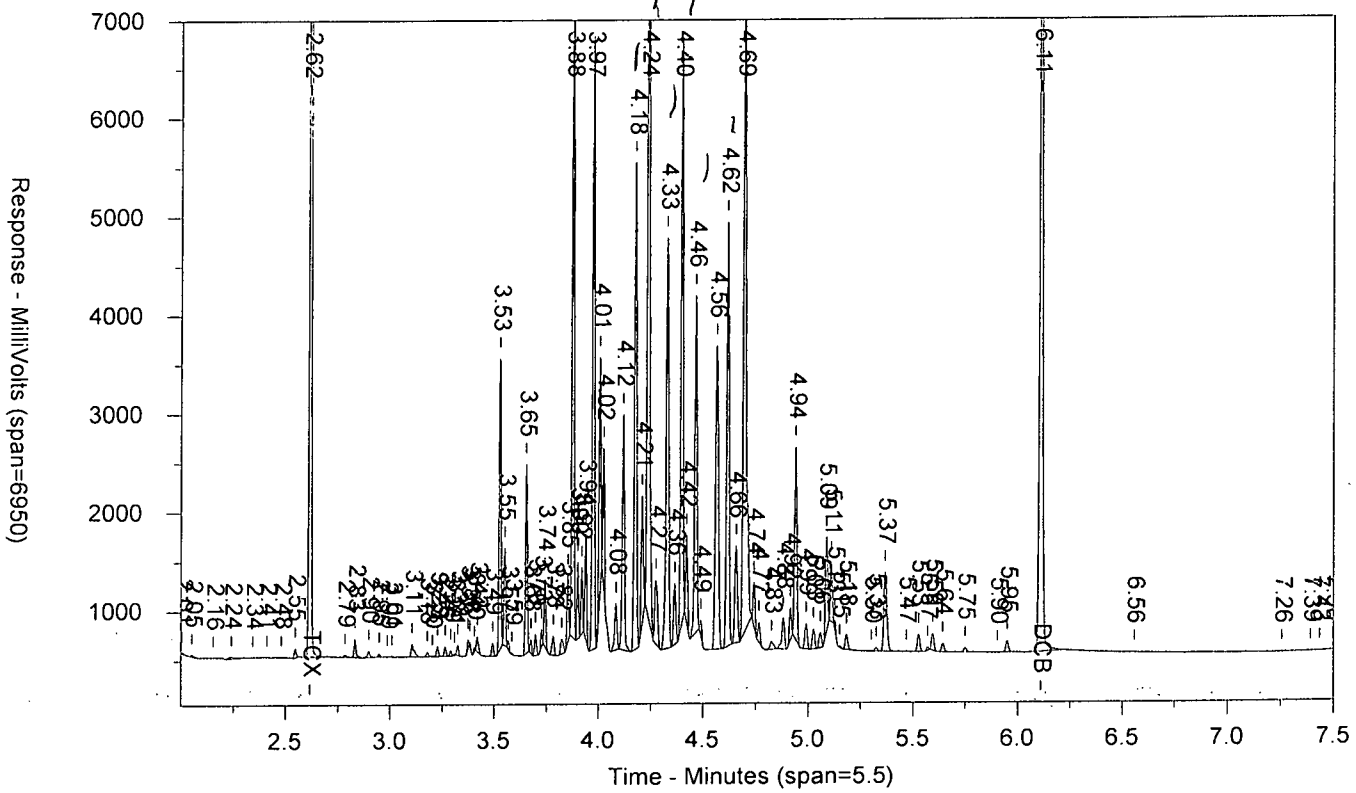

LANCASTER LABORATORIES

Sample Number: AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 7:57:49 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	2258999	19.878	TCX	2.616	13421420	19.415	TCX
6.61	1367514	19.872	DCB	6.108	9480798	19.461	DCB

Files:
Area File: 20pcbs17137001.019.RAW
Area File: 20pcbs17137001B.019.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:06:32 PM
File Reported On: 5/17/2017 at 8:06:43 PM

AR5431724A AAAR543AA ICAL 1713699999 10736 SW-846 8082

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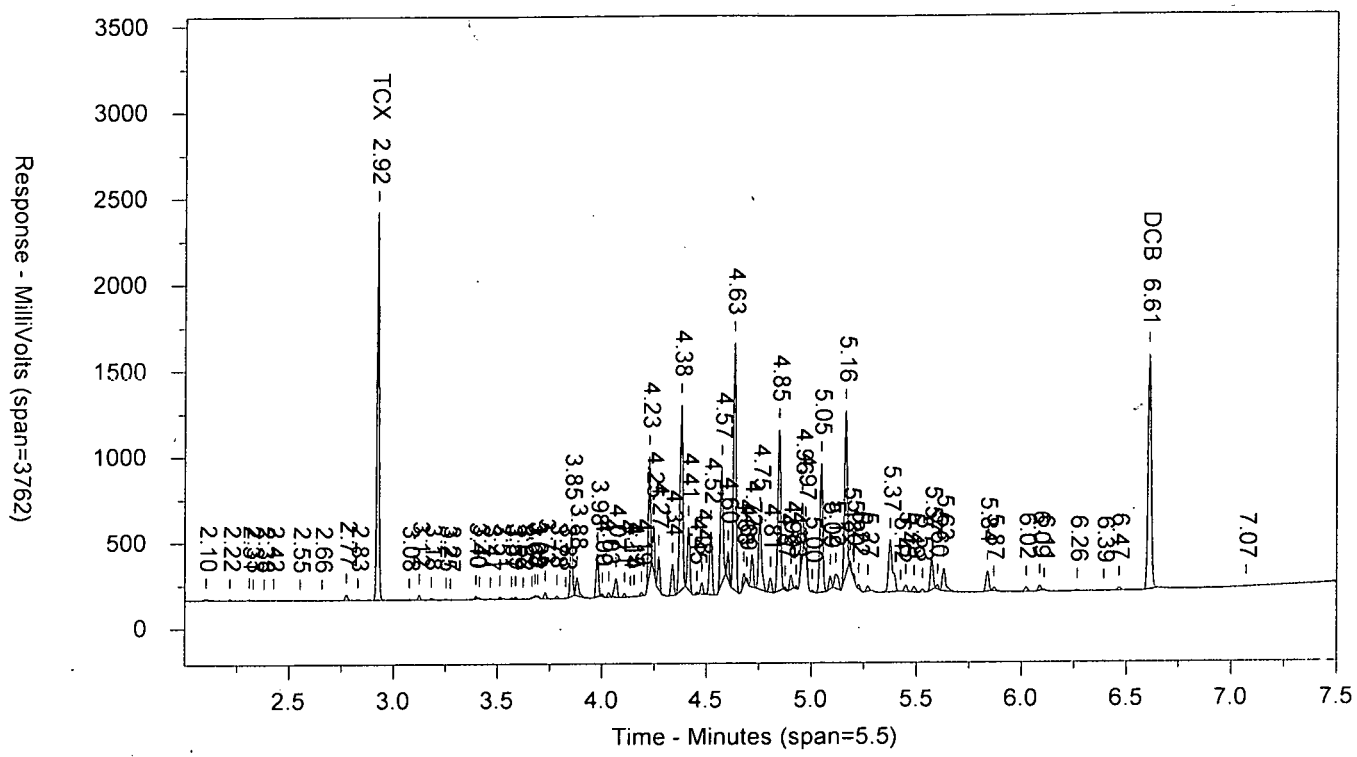

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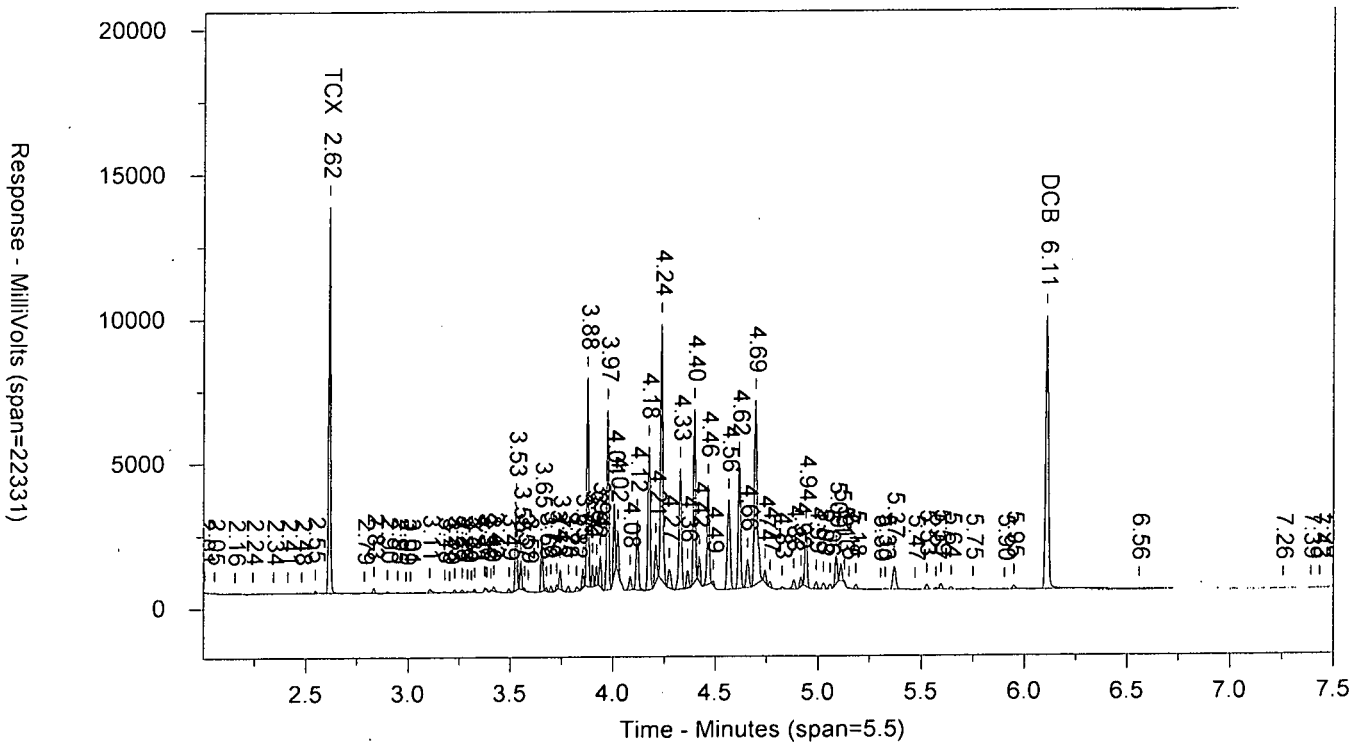

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.020.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10893	16261
2.217		15840	11775
2.309		11511	7045
2.328		5012	3087
2.378		1789	2240
2.423		4888	4279
2.502		1194	1303
2.549		2173	3808
2.66		1269	1822
2.752		1047	600
2.774		35976	30861
2.827		5516	5479
2.923	TCX	4622428	3049151
3.025		1325	637
3.075		6334	5719
3.123		62370	42428
3.181		20468	18131
3.253		9854	6243
3.274		2297	1357
3.395		35703	21314
3.412		9815	4951
3.465		9244	8474
3.511		29492	22808
3.566		15376	8875
3.585		20632	12582
3.622		4838	3183
3.679		23634	11955
3.692		15500	12369
3.728		70887	52340
3.785		30824	24948
3.826		4015	2436
3.852		753146	575967
3.879		198787	186266
3.977		505557	376647
4.001		28866	16947
4.031		52800	38079
4.066		209308	203563
4.106		44927	35681
4.135		3439	1897
4.153		6449	3948
4.188		39069	31310
4.225		1397875	986296
4.246		569564	347253
4.271		376252	278619
4.337		361600	315906
4.378		2073246	2088930
4.414		711435	586208
4.453		28228	18666
4.476		123671	98671
4.519		714338	637132
4.571		1454115	1280410
4.603		344634	222613
4.632		2930175	2488037
4.678		108468	78910

RT A	Compound A	Height A	Area A
4.691		39815	22729
4.716		399436	311468
4.754		849024	843684
4.806		163154	148453
4.847		1875048	1751059
4.875		32686	19003
4.902		165383	138162
4.927		32811	19296
4.954		669621	494398
4.97		291032	187266
5.003		22691	17129
5.047		1628295	1483882
5.09		153726	123954
5.117		173931	227162
5.163		2001599	1758912
5.185		88249	43036
5.202		53422	30192
5.225		44145	27903
5.267		61691	52151
5.288		8136	4461
5.373		610917	814479
5.424		4562	2310
5.448		76463	65490
5.487		65425	60634
5.527		34276	32445
5.572		367441	331086
5.598		49650	33711
5.629		261449	289654
5.838		223253	216316
5.868		37268	38354
6.022		52656	55746
6.086		58070	51787
6.108		12812	8410
6.265		13430	13456
6.327		987	868
6.389		1119	968
6.465		36608	36283
6.611	DCB	2754543	2912875
7.067		2607	3133
7.535		1069	13886
7.755		865	2143
8.047		1008	3167
8.683		5068	6634

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.020.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		17620	17377
2.054		38456	27392
2.155		4019	4695
2.188		9191	14934
2.24		17793	31823
2.299		1977	1315
2.344		1496	1230
2.411		8677	12040
2.478		5551	3978
2.528		12423	10743
2.547		100387	66202
2.575		3152	1620
2.616	TCX	27652480	16267940
2.703		4716	6392
2.787		36548	30574
2.833		356088	230133
2.9		121313	92024
2.949		68635	39434
3.01		15470	11912
3.106		237056	232272
3.158		5166	2089
3.179		67823	44406
3.203		10305	5678
3.228		186176	124481
3.264		164187	96469
3.291		116500	64133
3.31		38852	17929
3.325		65798	35579
3.375		161585	75093
3.385		107011	42685
3.405		101611	43389
3.419		258195	193988
3.493		256194	164512
3.527		5679534	3483755
3.55		1884138	1042507
3.568		182580	79710
3.586		21876	11237
3.654		3898764	2298147
3.676		253902	133868
3.698		390506	263773
3.727		262551	136846
3.743		1321371	780818
3.783		368159	270181
3.824		286717	257782
3.854		1275704	739915
3.876		14644700	9312075
3.901		1548542	851086
3.92		1320641	716244
3.939		2014626	1191342
3.974		13163310	8426518
4.006		4826652	2957029
4.024		2817747	1470969
4.085		919092	684965
4.119		4750180	3462626

RT B	Compound B	Height B	Area B
4.175		10312280	7450167
4.208		2749393	1877903
4.236		18488900	13253560
4.274		1271830	1205357
4.328		8373806	6993500
4.365		1243214	941356
4.397		12655280	8709486
4.421		1713117	1089020
4.464		6931070	5208720
4.489		367058	206310
4.525		3811	3352
4.564		6625378	6093458
4.616		9172670	6996697
4.656		1990523	1700257
4.695		13649340	12767360
4.742		949018	593039
4.765		400240	271787
4.825		159714	185745
4.865		23669	13859
4.882		599034	444047
4.917		610418	413692
4.941		3814174	3079520
4.991		484338	420813
5.026		399824	328461
5.058		306344	259388
5.088		1996266	1446288
5.11		1188487	781885
5.127		155889	78469
5.15		35681	20556
5.184		327861	277829
5.247		6090	5253
5.301		4486	2332
5.326		68338	53436
5.368		1631807	1603161
5.47		6045	6191
5.526		367067	315814
5.57		68840	46475
5.594		378041	314940
5.643		179295	155558
5.75		84635	70893
5.783		5055	5823
5.903		3988	2791
5.949		230784	197382
5.982		5006	3121
6.067		2417	1919
6.108	DCB	20216660	17008200
6.285		5535	8037
6.556		12835	12265
7.327		1831	3407
7.563		1405	4021
7.613		2595	4529
7.701		1029	3163
8.216		15737	28067
8.442		1225	724

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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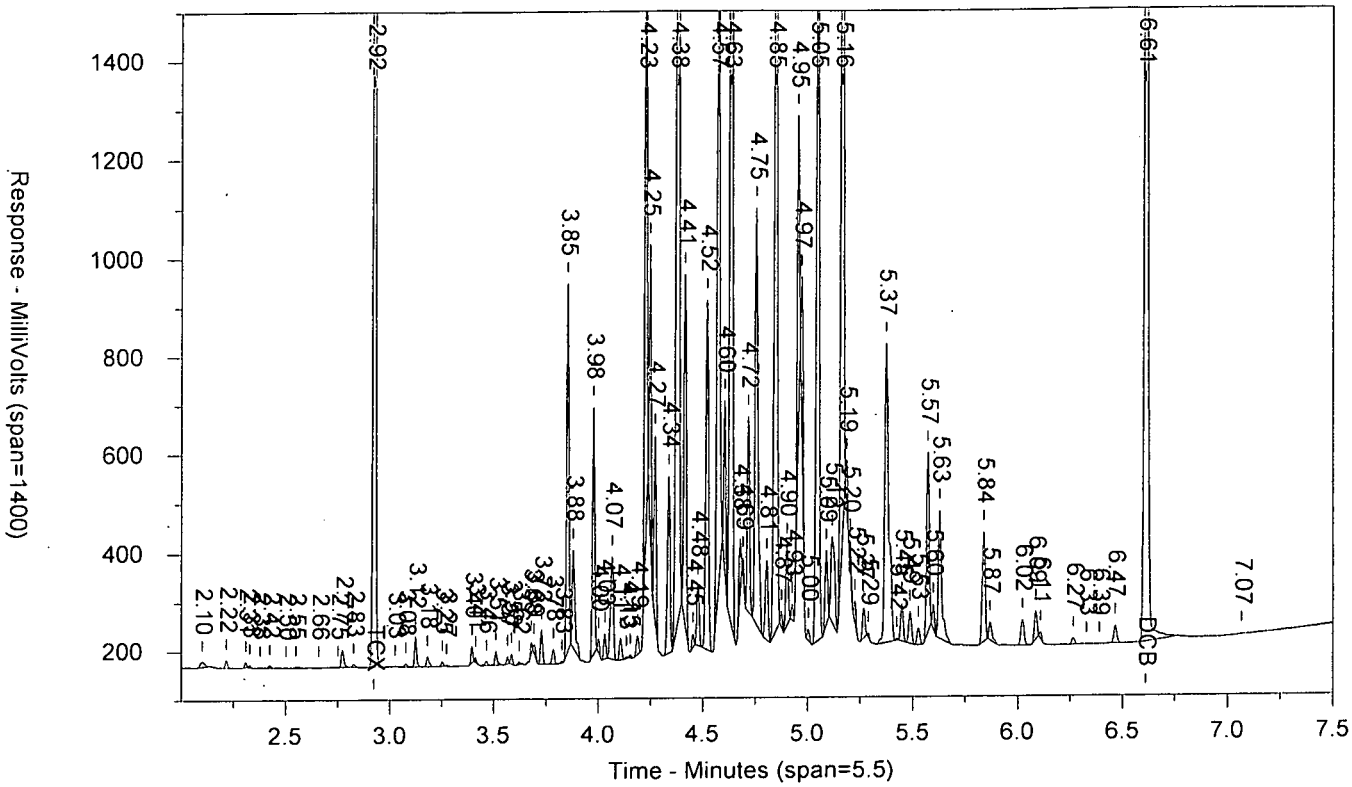

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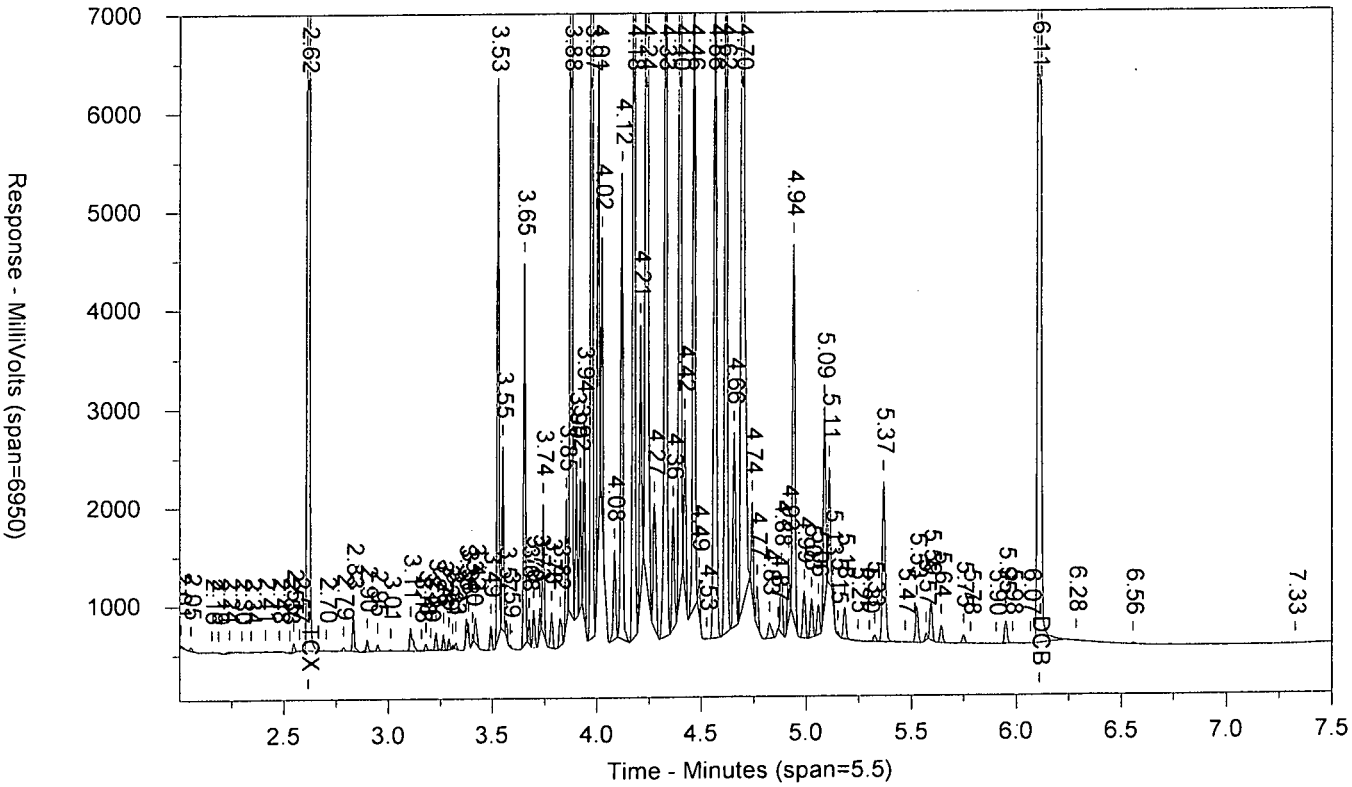

LANCASTER LABORATORIES

Sample Number: AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:09:12 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	4622428	40.676	TCX	2.616	27652480	40	TCX
6.611	2754543	40.027	DCB	6.108	20216660	41.497	DCB

Files:
Area File: 20pcbs17137001.020.RAW
Area File: 20pcbs17137001B.020.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:17:56 PM
File Reported On: 5/17/2017 at 8:18:05 PM

AR5441724A AAAR544AA ICAL 1713699999 10736 SW-846 8082

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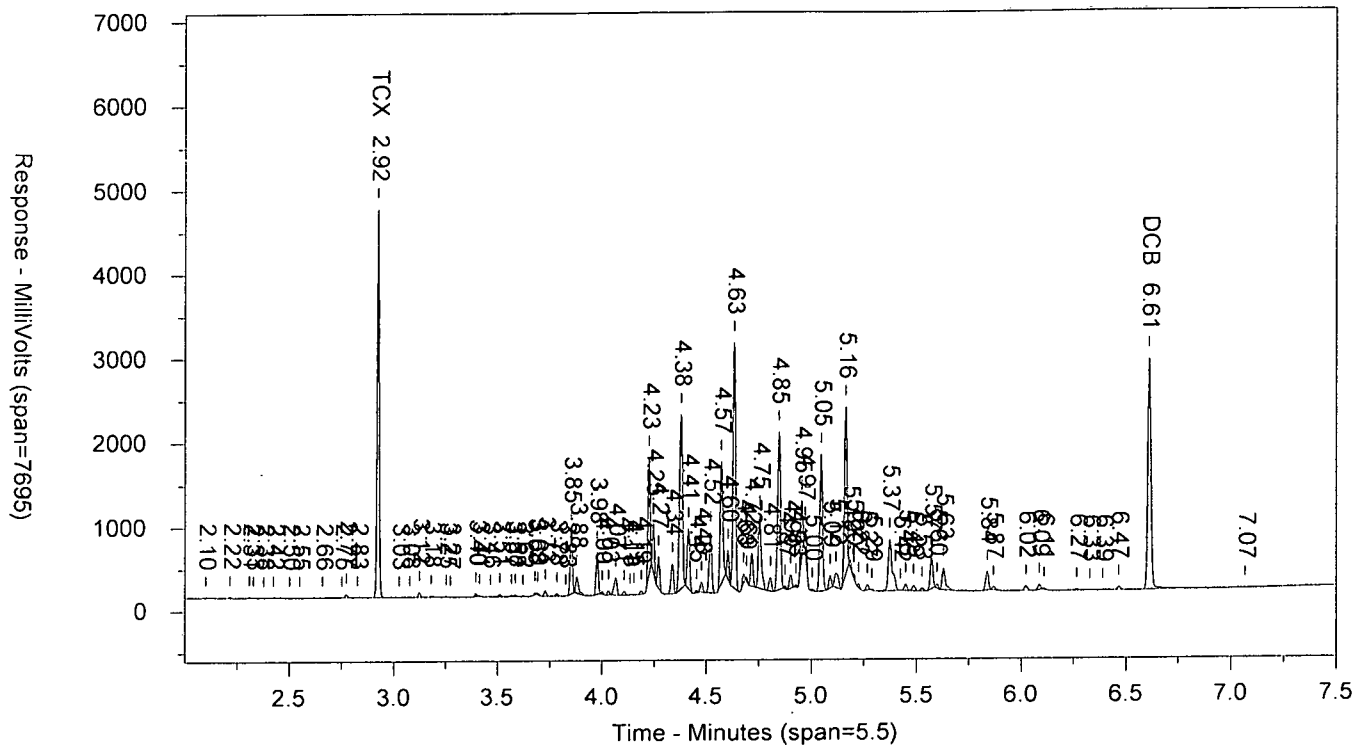

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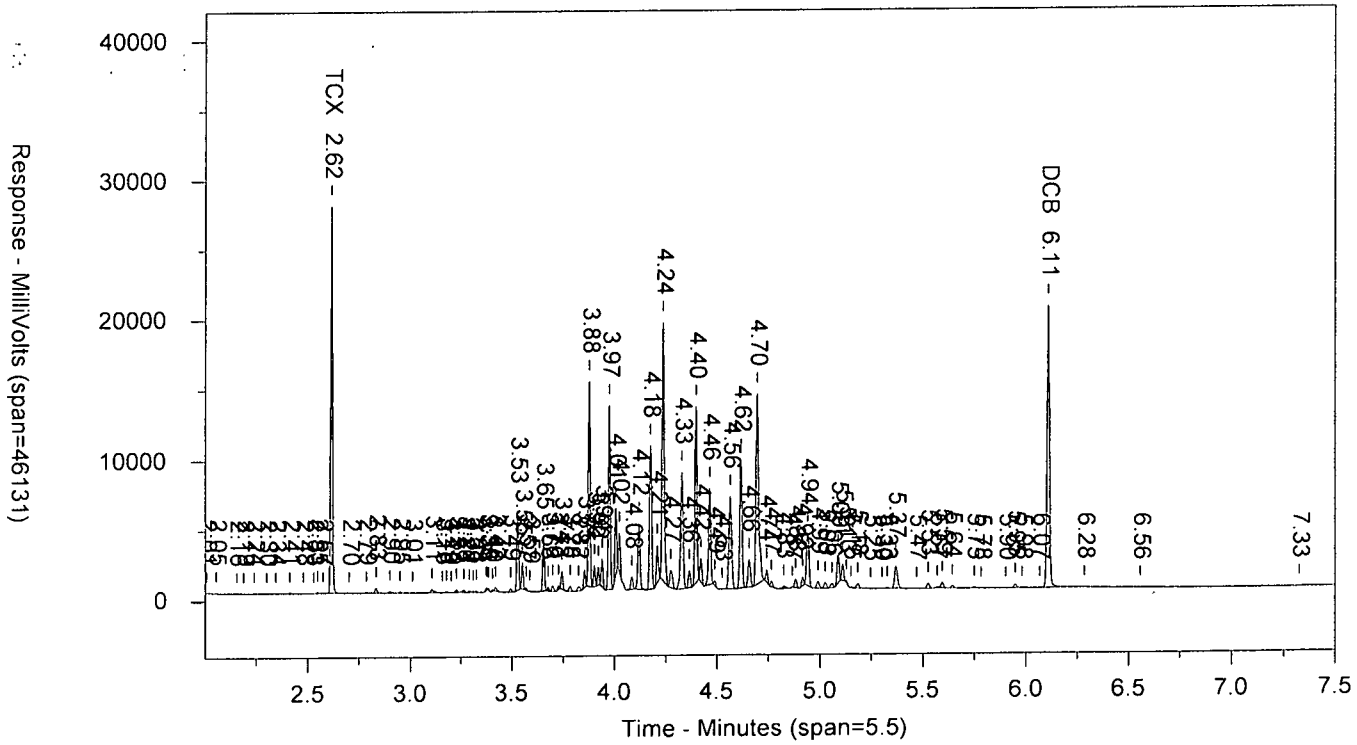

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.021.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		10136	15325
2.137		1957	3258
2.217		32849	23103
2.31		7207	4381
2.328		10988	6834
2.382		1602	2039
2.424		2572	2366
2.549		1624	3440
2.657		1341	1181
2.773		29987	25362
2.827		1909	1978
2.923	TCX	9259284	6193316
3.026		2607	1580
3.076		10509	9142
3.123		120236	82777
3.18		39027	28153
3.253		19678	12024
3.274		4272	2700
3.395		60372	37461
3.412		18196	9948
3.448		2865	1390
3.465		15060	9946
3.51		56681	40532
3.566		33433	19529
3.585		37876	23164
3.621		9950	5749
3.68		43973	23366
3.693		35525	25194
3.728		125742	97325
3.784		60070	47004
3.825		7981	4745
3.853		1532901	1125479
3.88		380596	350463
3.926		3710	1750
3.977		976045	734886
4.001		55330	31529
4.031		97929	72461
4.066		427919	389448
4.107		86308	69635
4.136		6966	3783
4.152		16165	9469
4.188		75052	60647
4.225		2731089	1946699
4.246		1144496	683667
4.269		790486	567088
4.336		739600	607952
4.379		4093713	4152217
4.413		1424145	1148958
4.453		52274	34888
4.475		239453	185835
4.519		1455631	1247542
4.57		2937191	2577190
4.602		670780	440816
4.632		5809577	4977570

RT A	Compound A	Height A	Area A
4.677		243803	171373
4.691		97669	45729
4.716		784146	620944
4.753		1662863	1661778
4.804		319262	287793
4.846		3933572	3580532
4.874		57756	34675
4.901		316861	264192
4.927		60640	36337
4.954		1274447	965506
4.971		647030	381250
5.004		40966	30835
5.046		3218600	2999988
5.089		306935	244835
5.116		349882	442785
5.162		4038610	3527055
5.185		188027	89313
5.201		114123	64175
5.224		79894	56442
5.268		111788	96207
5.288		13829	8690
5.373		1291869	1570699
5.422		6682	3441
5.448		132774	121346
5.488		114070	110967
5.528		62883	59688
5.572		727477	644830
5.598		84254	59788
5.63		509696	553492
5.717		2508	3690
5.837		429872	402658
5.869		68788	70812
5.931		2103	2735
6.022		107955	113902
6.086		117120	106905
6.108		23890	15593
6.264		23668	24737
6.309		1654	1362
6.392		1240	1450
6.466		67040	68969
6.612	DCB	5147151	5368635
6.731		1866	2665
7.068		4042	5274
7.303		319	1737
7.352		681	266
7.653		832	19287
7.884		859	6518

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.021.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		10638	12042
2.054		77814	51292
2.149		5862	6383
2.188		6984	10929
2.239		17332	35365
2.3		3397	2988
2.37		2462	4037
2.411		5470	5645
2.48		5040	3816
2.528		13017	12823
2.547		93664	74032
2.592		2366	815
2.615	TCX	56609560	32376670
2.658		13428	5406
2.786		65576	53138
2.813		5414	2081
2.833		682180	426560
2.899		215177	145429
2.949		130969	77774
3.009		28749	18287
3.106		404997	394420
3.156		21809	11762
3.178		112192	67634
3.202		19318	10214
3.227		333181	230191
3.264		287550	171636
3.291		239646	128881
3.31		74069	34075
3.325		91827	46376
3.375		581964	605897
3.404		178530	82558
3.419		532145	398149
3.492		457736	293835
3.527		11258960	6720859
3.55		3588982	1991392
3.568		351071	157140
3.585		49416	24281
3.653		7142227	4449686
3.676		517787	269731
3.697		753186	507537
3.726		485851	252177
3.743		2645388	1536395
3.783		679704	520067
3.823		523346	490609
3.853		2410604	1417336
3.875		27730980	18334860
3.9		2968250	1659925
3.92		2564218	1388273
3.938		4287230	2595155
3.974		24980650	16651260
4.006		10176120	5940632
4.023		5755855	2952326
4.084		1786367	1264167
4.118		9354214	6783653

RT B	Compound B	Height B	Area B
4.175		21603490	15224730
4.208		5907235	4101801
4.236		37174280	26627210
4.273		2352942	2294730
4.328		16637400	13784300
4.364		2533352	1827689
4.397		25147190	17402020
4.42		3311848	2151376
4.463		13831460	10243460
4.489		734415	425084
4.563		12558530	12010650
4.615		17962290	14155920
4.655		3828722	3362585
4.695		27443780	25440620
4.742		1868969	1194516
4.765		735467	508125
4.824		289705	319814
4.865		25567	21894
4.881		1091167	819870
4.916		1131739	765068
4.939		7620935	6025815
4.99		927257	778313
5.026		769163	608975
5.058		560607	482305
5.088		4093819	2970735
5.11		2529016	1634763
5.128		306339	153700
5.151		64936	38326
5.185		676909	590667
5.247		10623	10339
5.303		10013	6473
5.325		127369	103877
5.368		3009745	3032544
5.469		10264	7195
5.526		742030	659992
5.571		114501	78304
5.594		801130	666356
5.643		347988	303371
5.75		162007	133107
5.782		8871	7558
5.9		7131	6381
5.949		448641	385083
5.981		9773	6448
6.002		5818	3916
6.072		3286	2437
6.108	DCB	38010540	31800680
6.281		11103	20464
6.559		25352	24525
7.192		1593	2380
7.322		1349	2370
7.387		1048	2880
7.437		2147	1986
7.61		1867	1935
7.667		1839	2020
8.216		17121	31325

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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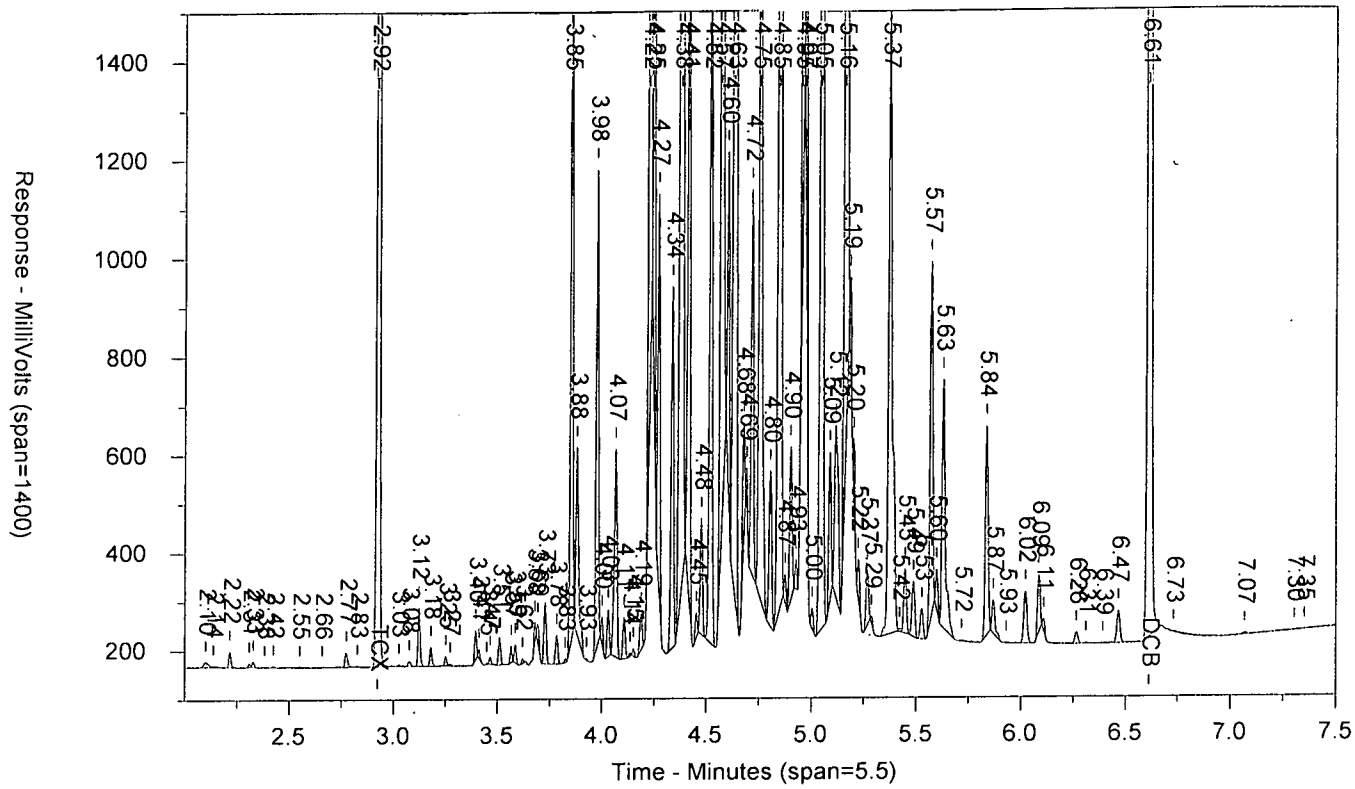

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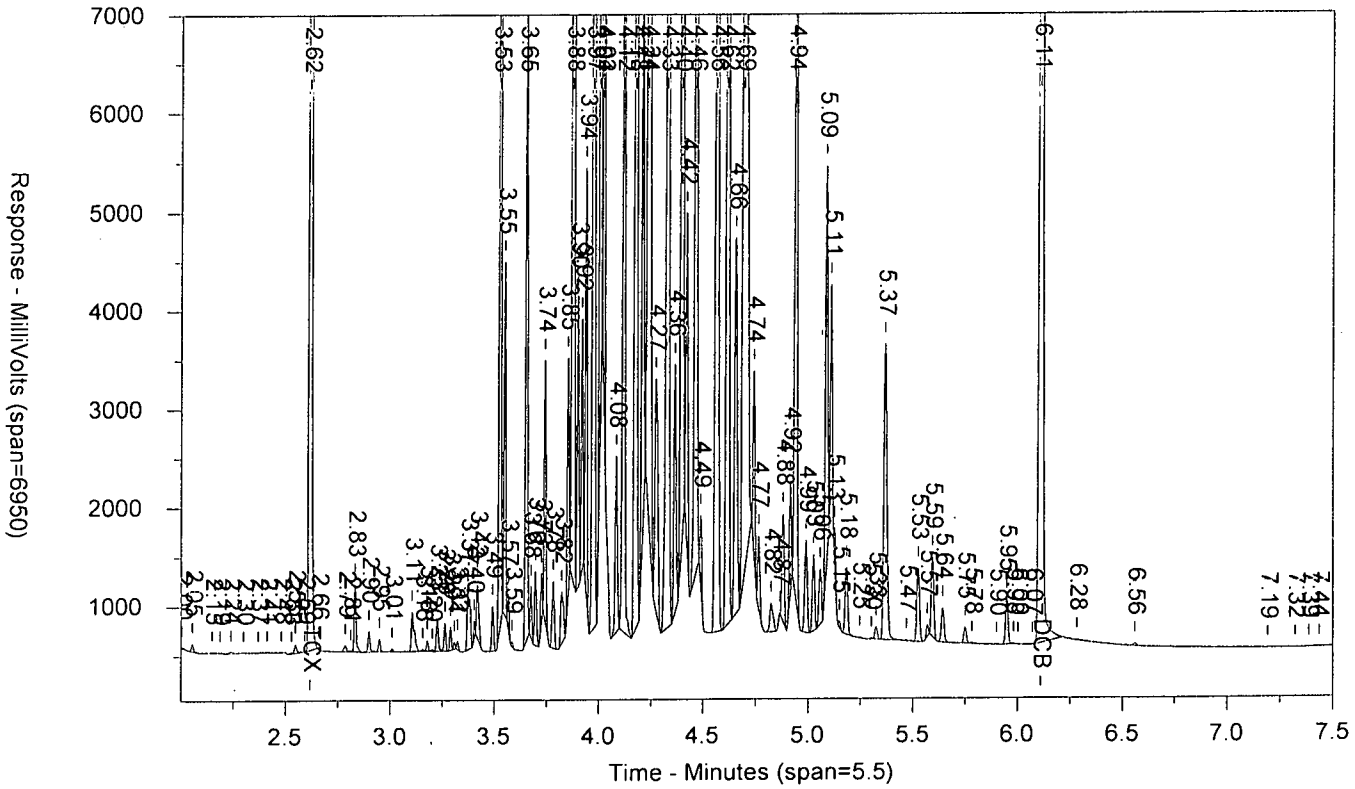

LANCASTER LABORATORIES

Sample Number: AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:20:33 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	9259284	81.479	TCX	2.615	56609560	81.888	TCX
6.612	5147151	74.795	DCB	6.108	38010540	78.022	DCB

Files:
Area File: 20pcbs17137001.021.RAW
Area File: 20pcbs17137001B.021.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:29:14 PM
File Reported On: 5/17/2017 at 8:29:21 PM

AR5451724A AAAR545AA ICAL 1713699999 10736 SW-846 8082

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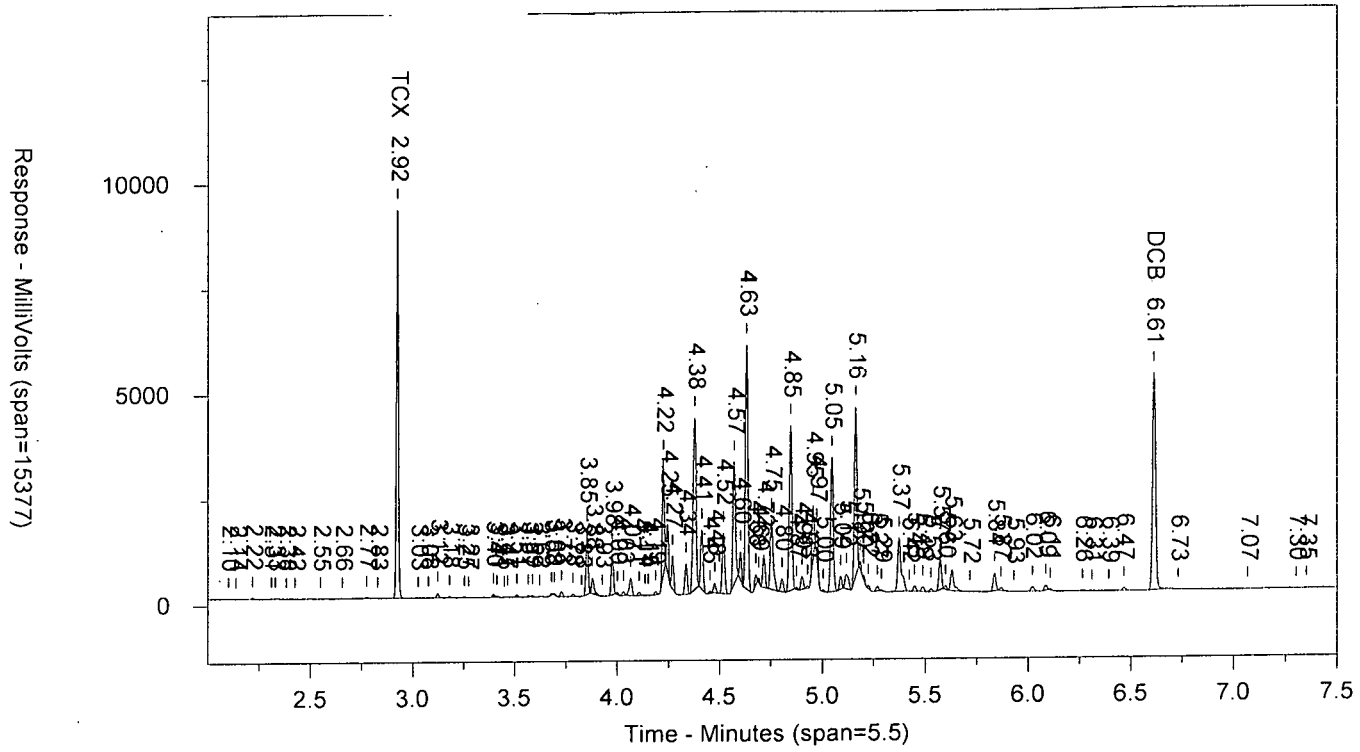

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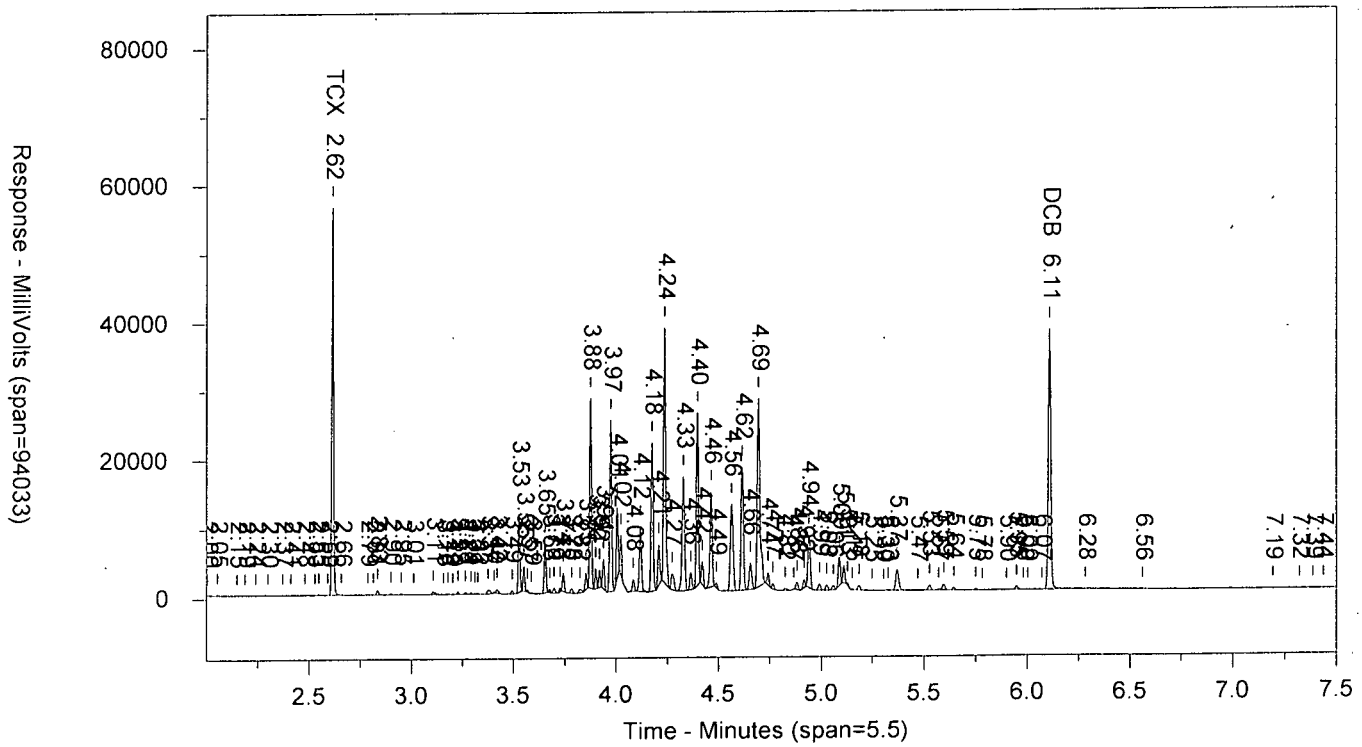

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		9580	23702
2.272		2325	2192
2.309		15044	10701
2.38		1413	1869
2.424		4784	4863
2.549		3766	3540
2.584		3914	2183
2.661		1147	1185
2.688		1238	1091
2.774		37604	32514
2.829		5762	5425
2.9		2343	1547
2.925	TCX	1265	1545
3.076		2332	2485
3.133		2147	1611
3.182		14045	14219
3.277		3164	2490
3.396		14661	8914
3.413		5700	2905
3.449		1395	677
3.492		867	472
3.512		14267	8818
3.586		4442	3265
3.622		2914	1640
3.681		6421	2797
3.692		12910	6529
3.729		21262	15246
3.753		4380	2682
3.787		14699	10051
3.812		5651	4317
3.854		18396	13941
3.889		20870	22396
3.92		1566	1535
3.979		16997	15243
4.032		3336	2413
4.068		12551	16739
4.108		3914	3096
4.169		1221	1618
4.189		7024	4631
4.227		101790	85416
4.247		11395	5791
4.27		13417	9012
4.296		6590	5003
4.338		6602	4187
4.359		18999	12025
4.381		124969	104924
4.414		11606	8098
4.453		6869	4821
4.479		24324	20451
4.516		70223	68842
4.587		112833	135698
4.634		66670	57095
4.679		414120	413412
4.717		68078	49803

RT A	Compound A	Height A	Area A
4.756		669409	619595
4.797		20130	18151
4.846		43633	52100
4.878		11216	7414
4.903		76464	70028
4.956		732300	823498
5.005		337470	318742
5.049		319460	391160
5.105		53406	46255
5.128		23137	15279
5.162		578594	631288
5.203		10250	4979
5.225		1002432	922537
5.27		415826	409892
5.364		140912	108881
5.39		809822	830745
5.449		340075	291484
5.47		17892	7063
5.489		94761	72627
5.531		37279	33021
5.553		1619	689
5.575		135463	124638
5.63		1957322	2075627
5.834		1081708	1184801
5.891		535861	881602
6.023		56214	56618
6.087		16088	11269
6.109		252924	224638
6.267		651921	660170
6.312		38215	53621
6.466		241916	250989
6.611	DCB	6683	6850
6.644		981	815
7.185		853	7815
7.564		619	4927
8.087		1111	6097
8.184		997	4562
8.683		3370	3104

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		6712	5695
2.082		8236	6411
2.156		6846	7445
2.238		16645	30193
2.345		31043	22180
2.412		17096	18827
2.475		6711	10859
2.53		15682	8915
2.547		104133	78978
2.59	TCX	4138	4616
2.645		14023	11284
2.696		4157	9385
2.785		9224	6312
2.847		18424	16327
2.899		77208	58976
2.922		4334	1890
2.984		10202	6345
3.01		9433	6048
3.105		110047	122576
3.18		21644	19348
3.202		6711	3373
3.227		102144	68164
3.264		32612	20047
3.309		23071	10959
3.325		55681	30451
3.354		8439	4422
3.375		55743	26361
3.385		91280	39251
3.418		99711	89717
3.451		4412	2199
3.493		121870	98875
3.527		103594	53100
3.551		184101	111025
3.58		48747	39172
3.61		35902	21056
3.654		122840	73285
3.674		61398	33483
3.698		37603	23374
3.727		69786	37999
3.743		67609	38051
3.783		39874	33266
3.831		82448	82190
3.86		36201	27912
3.876		785265	500722
3.901		80511	45580
3.921		21514	10753
3.939		66402	39943
3.974		885799	614789
4.008		117386	74958
4.035		278568	216640
4.058		16611	7908
4.071		177477	115310
4.11		370790	344837
4.152		20032	11490

RT B	Compound B	Height B	Area B
4.175		190938	132370
4.218		460868	314325
4.25		2580708	1911976
4.276		667678	680248
4.328		4377388	3375554
4.369		140668	104106
4.397		173234	127479
4.422		643408	497810
4.465		4869363	3784974
4.525		3471	4695
4.568		4600259	4096827
4.621		834799	675650
4.66		1361553	1116638
4.695		3029463	2540303
4.728		6508425	5086081
4.766		3300506	2621874
4.823		5346	3391
4.866		1395086	1165309
4.916		6474238	5652151
4.99		2538959	2581296
5.027		848939	638623
5.056		749016	616201
5.088		27549	19505
5.111		12314600	10191220
5.151		219262	163912
5.184		837725	705775
5.259		4324	3395
5.303		219683	140021
5.326		5102819	4118445
5.374		8213507	8400974
5.527		387830	338255
5.572		61504	42127
5.595		245012	199588
5.644		1851441	1631078
5.75		4445079	3845746
5.781		224678	160141
5.95		1767900	1579581
6.108	DCB	48228	43930
6.284		6197	5048
7.326		1897	4203
7.622		2046	4034
7.66		1741	1302
7.787		2571	11436
8.214		16572	30496

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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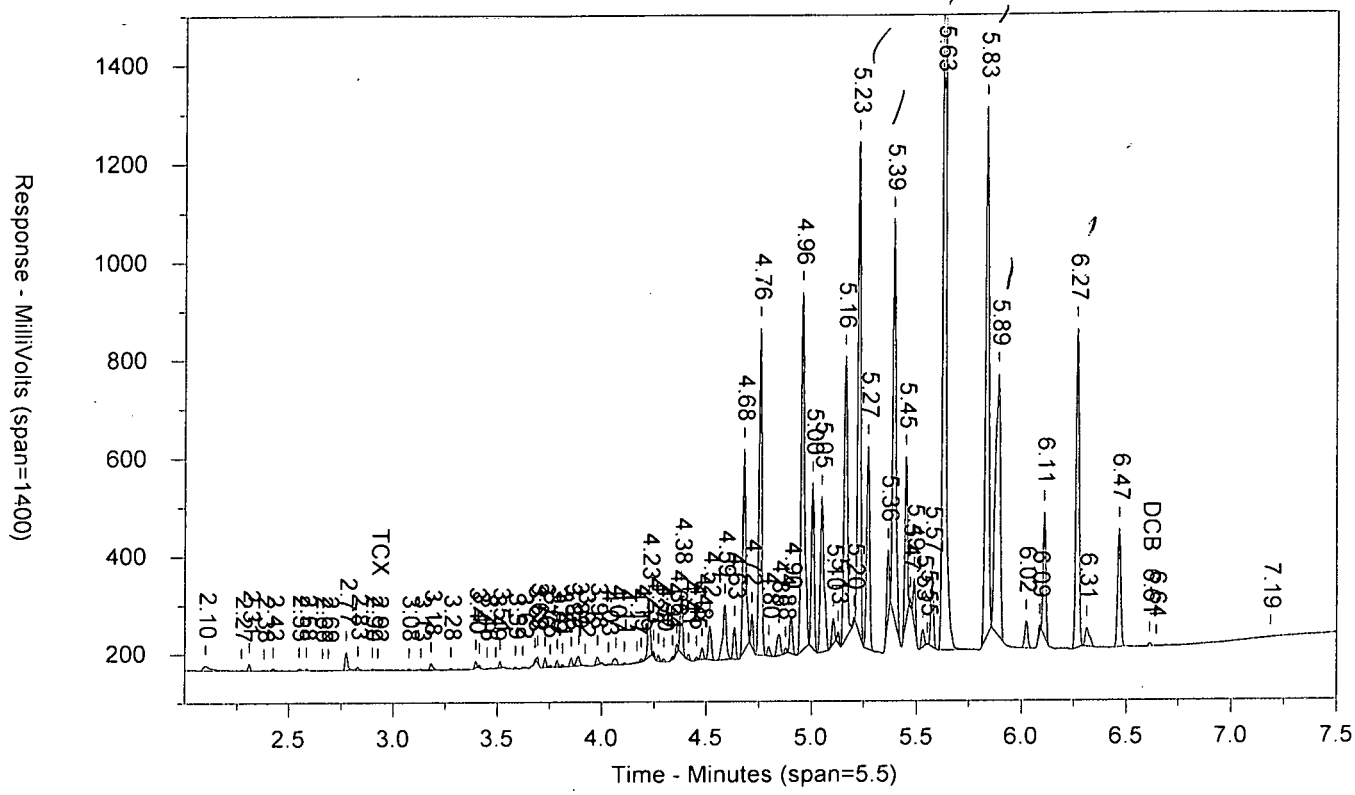

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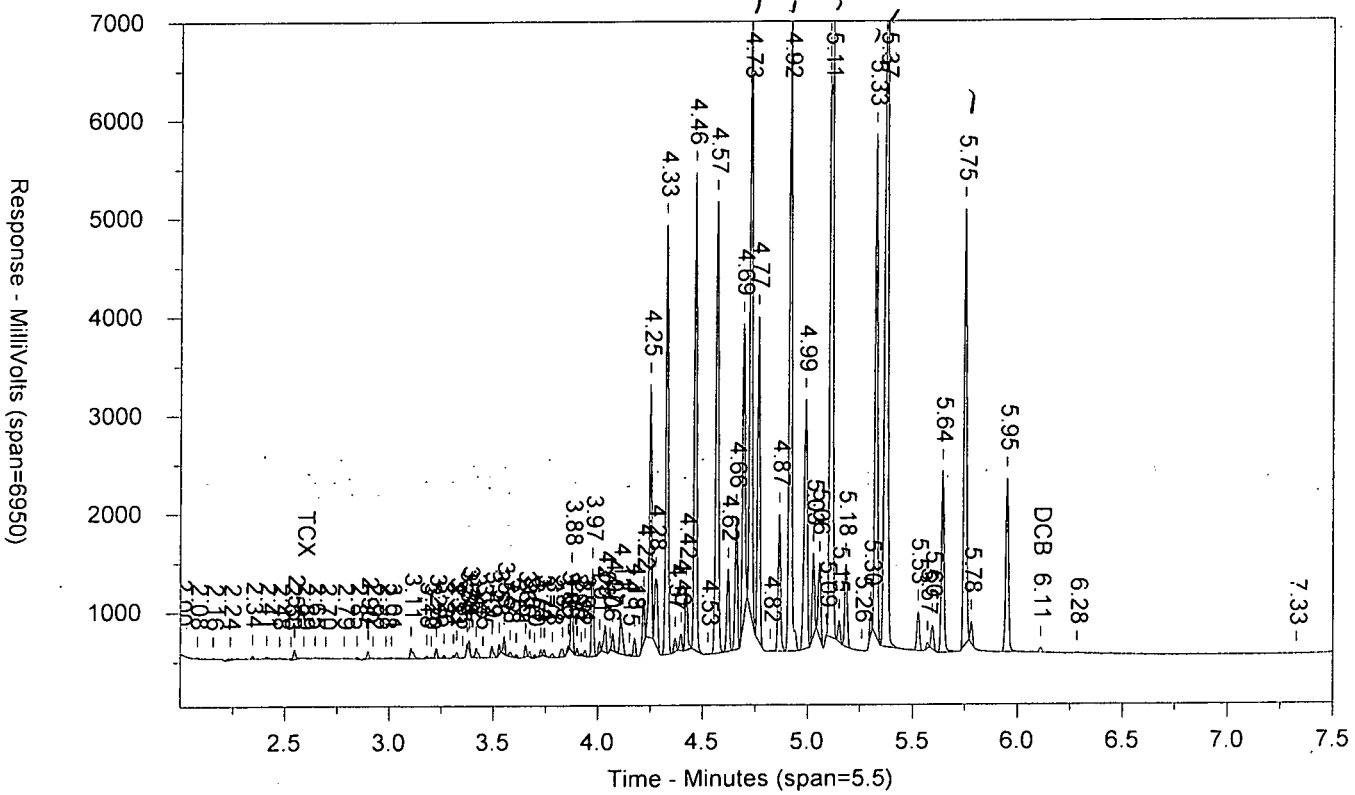

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:31:54 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.925	1265	.011	TCX	2.59	4138	.006	TCX
6.611	6683	.097	DCB	6.108	48228	.099	DCB

Files:
Area File: 20pcbs17137001.022.RAW
Area File: 20pcbs17137001B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:40:39 PM
File Reported On: 5/17/2017 at 8:40:49 PM

AR6231724A AAAR623AA ICAL 1713699999 10736 SW-846 8082

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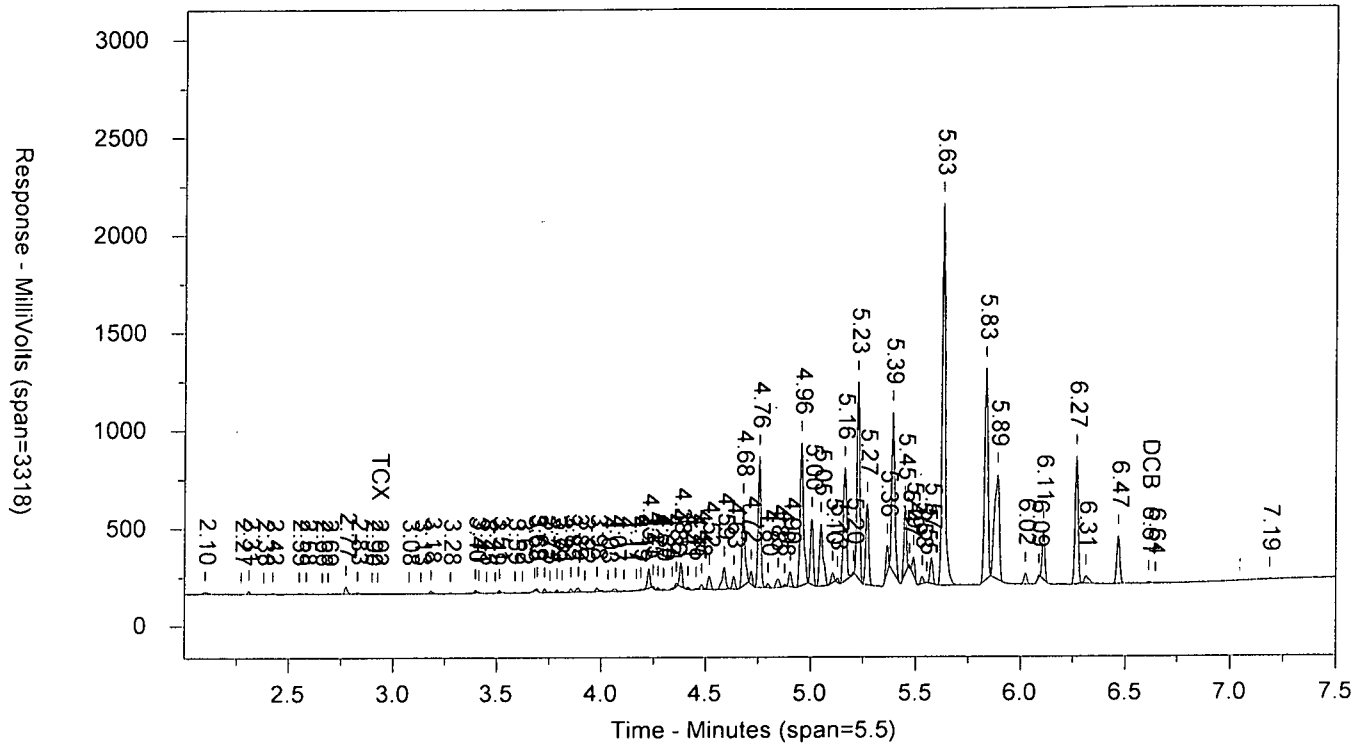

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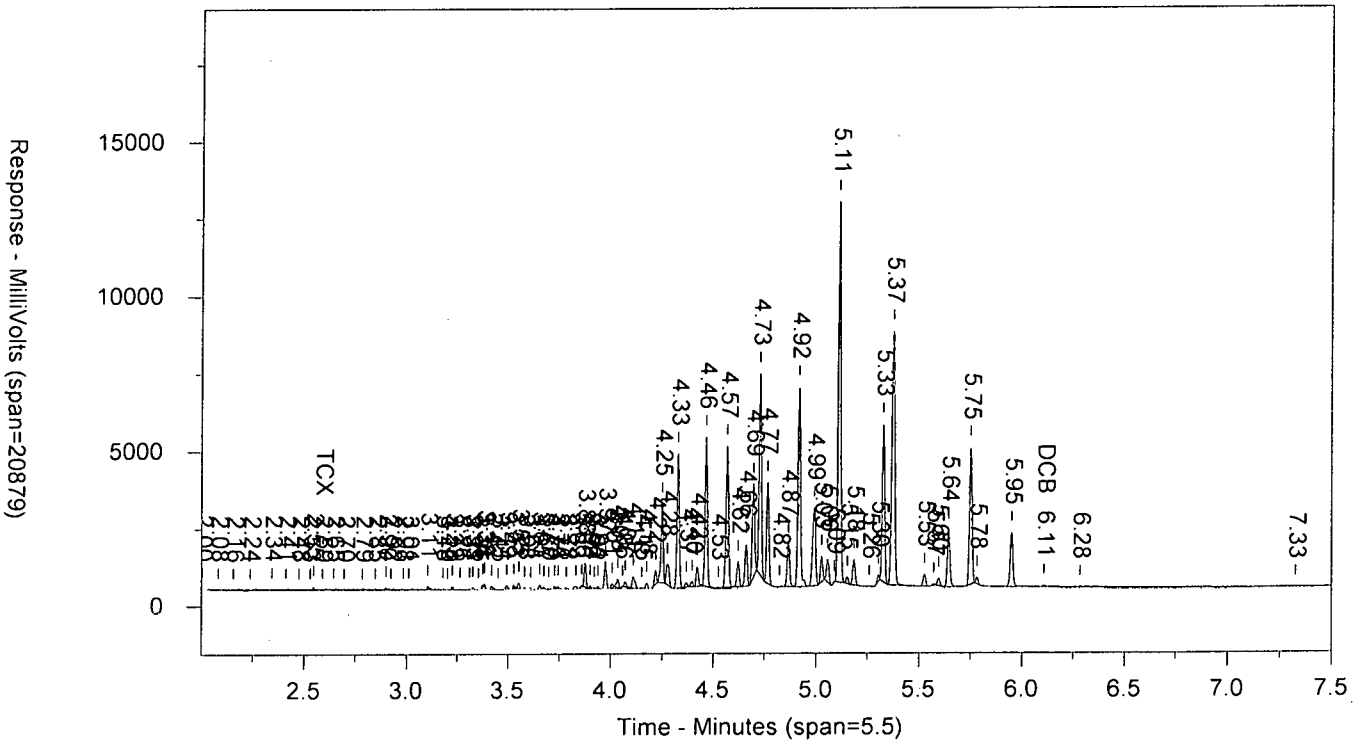

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.009		673	441
2.1		17338	39268
2.31		15555	10909
2.38		1656	1983
2.425		5499	5019
2.549		1604	1406
2.66		1451	1304
2.753		782	410
2.774		41198	35401
2.828		5683	5165
3.192		6115	6799
3.397		3498	2331
3.493		1036	558
3.512		2959	1653
3.531		2441	2003
3.587		1284	1199
3.623		1125	1188
3.667		1941	1310
3.681		2130	952
3.693		3182	1626
3.73		6662	5652
3.788		4605	4247
3.853		6147	6411
3.889		4508	5190
3.979		5617	3888
4.003		2367	1441
4.033		2138	1364
4.069		6233	7594
4.109		3528	3137
4.172		1336	1076
4.189		3232	1904
4.223		10238	13920
4.247		10674	6779
4.27		9116	5519
4.297		7978	6831
4.327		872	814
4.377		13432	10564
4.399		3520	2143
4.473		6198	5777
4.516		43448	44026
4.573		12186	11143
4.634		6338	5529
4.679		6266	6093
4.719		9664	8073
4.756		15389	13703
4.798		35412	32710
4.842		16121	17384
4.879		52062	45422
4.92		3808	3902
4.957		5767	4221
5.005		50320	45962
5.049		14371	20116
5.092		1282	685
5.119		23324	22038

RT A	Compound A	Height A	Area A
5.159		21173	21187
5.205		19574	13064
5.226		388389	354919
5.27		41378	41995
5.365		33355	27563
5.405		511868	625569
5.471		161593	187229
5.53		57695	59086
5.576		10572	10213
5.63		164526	128505
5.651		107210	80131
5.832		2407763	2419411
5.892		2100808	2311303
6.022		1958924	1941615
6.087		449104	398307
6.108		27498	19316
6.267		809132	798137
6.313		5137	3780
6.343		2719	2839
6.466		6332050	6342311
6.613	DCB	1236467	1264548
6.69		4092	3746
6.931		2872	3623
7.275		831	14575
7.608		649	631
7.674		729	715
7.787		1113	630
8.227		803	3921
8.305		685	567
8.356		527	952

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		21241	16823
2.156		5306	4126
2.24		17166	30705
2.343		2269	1469
2.367		2996	2539
2.411		8424	9386
2.479		11902	26723
2.53		14069	13108
2.547		116581	93946
2.629	TCX	2736	1880
2.703		4776	16369
2.799		3779	3230
2.9		16664	22510
2.988		2732	1622
3.106		26538	44021
3.182		15285	17140
3.228		26898	18718
3.265		8538	6302
3.311		3843	1613
3.326		29643	17278
3.355		4169	2350
3.375		16702	8217
3.385		25882	10490
3.417		21484	18108
3.45		3917	2112
3.493		38800	25695
3.528		39744	23115
3.552		54148	31220
3.569		7386	2764
3.586		18816	16536
3.655		55143	34610
3.676		18057	12099
3.701		29240	20635
3.728		25152	12855
3.745		39765	22561
3.785		29057	21600
3.832		77279	61235
3.86		49242	40158
3.878		85619	51243
3.902		71738	43241
3.922		4082	1856
3.976		25514	27207
4.011		53779	33346
4.025		8303	2706
4.038		25781	13183
4.073		42858	29449
4.091		15089	6846
4.11		229867	192773
4.153		57525	37464
4.174		17046	8718
4.208		17671	18025
4.237		23245	13132
4.251		25735	13078
4.281		12734	12271

RT B	Compound B	Height B	Area B
4.33		151608	134535
4.369		232064	171839
4.397		34429	23376
4.421		54921	32268
4.441		310657	216825
4.465		34905	18674
4.523		3829	4068
4.568		383299	324483
4.62		101858	89177
4.666		172511	178441
4.697		74599	55370
4.728		2738061	2497022
4.766		231697	165698
4.839		5167	5691
4.866		298313	244272
4.916		4161403	3553631
4.944		53763	31834
4.983		1120441	1051110
5.027		23600	13600
5.043		12475	6370
5.062		284608	233537
5.111		1539656	1321321
5.185		1328754	1125488
5.264		8708	6939
5.303		155026	100515
5.327		16635460	13829890
5.374		16842710	14298820
5.527		14469800	12037960
5.594		3498455	3122866
5.644		725776	615375
5.75		5669355	4950070
5.874		24072	26744
5.95		43087670	37186810
6.108	DCB	8495542	7577039
6.255		3297	1077
6.281		24491	24200
6.447		20171	16697
7.029		2050	1964
7.296		1800	720
7.68		1734	17182
8.063		1991	2614
8.131		1496	876
8.216		16946	29976

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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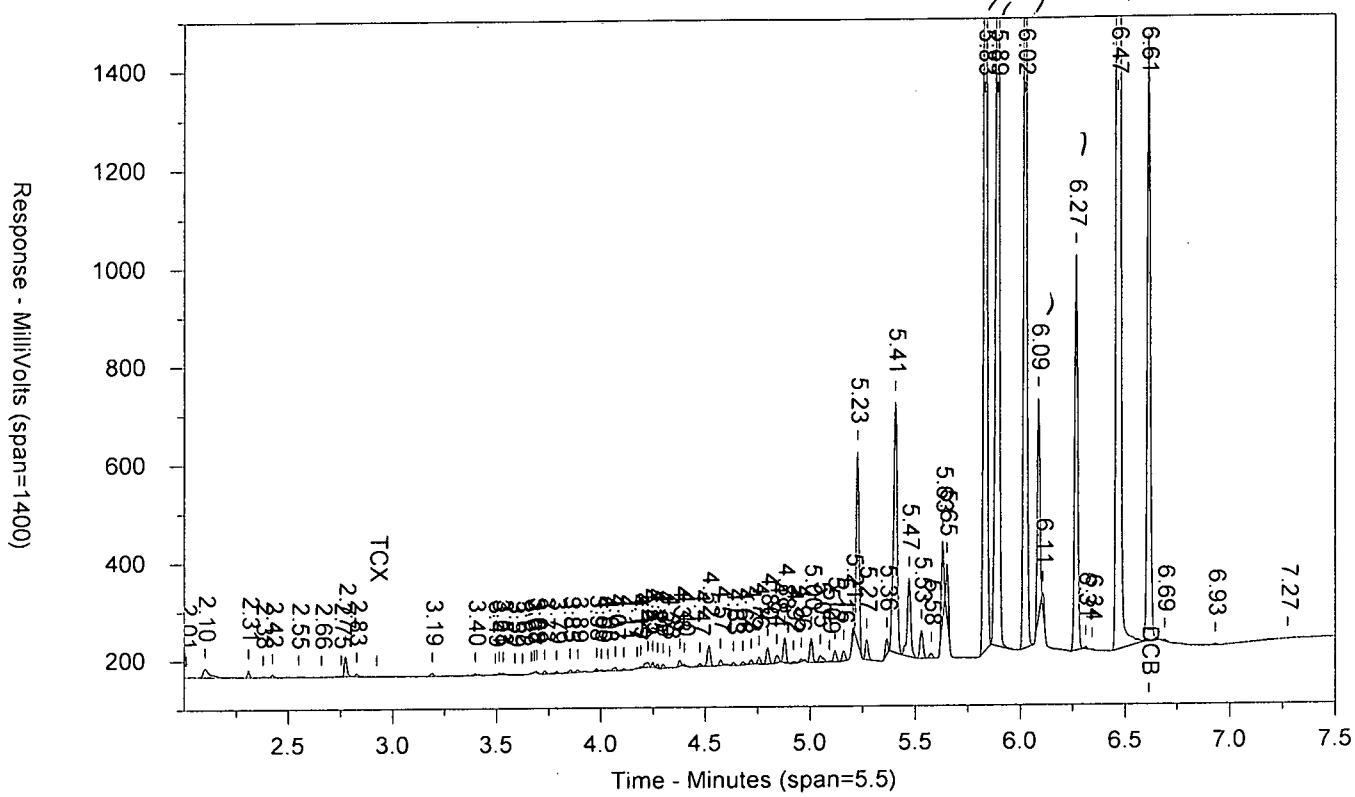

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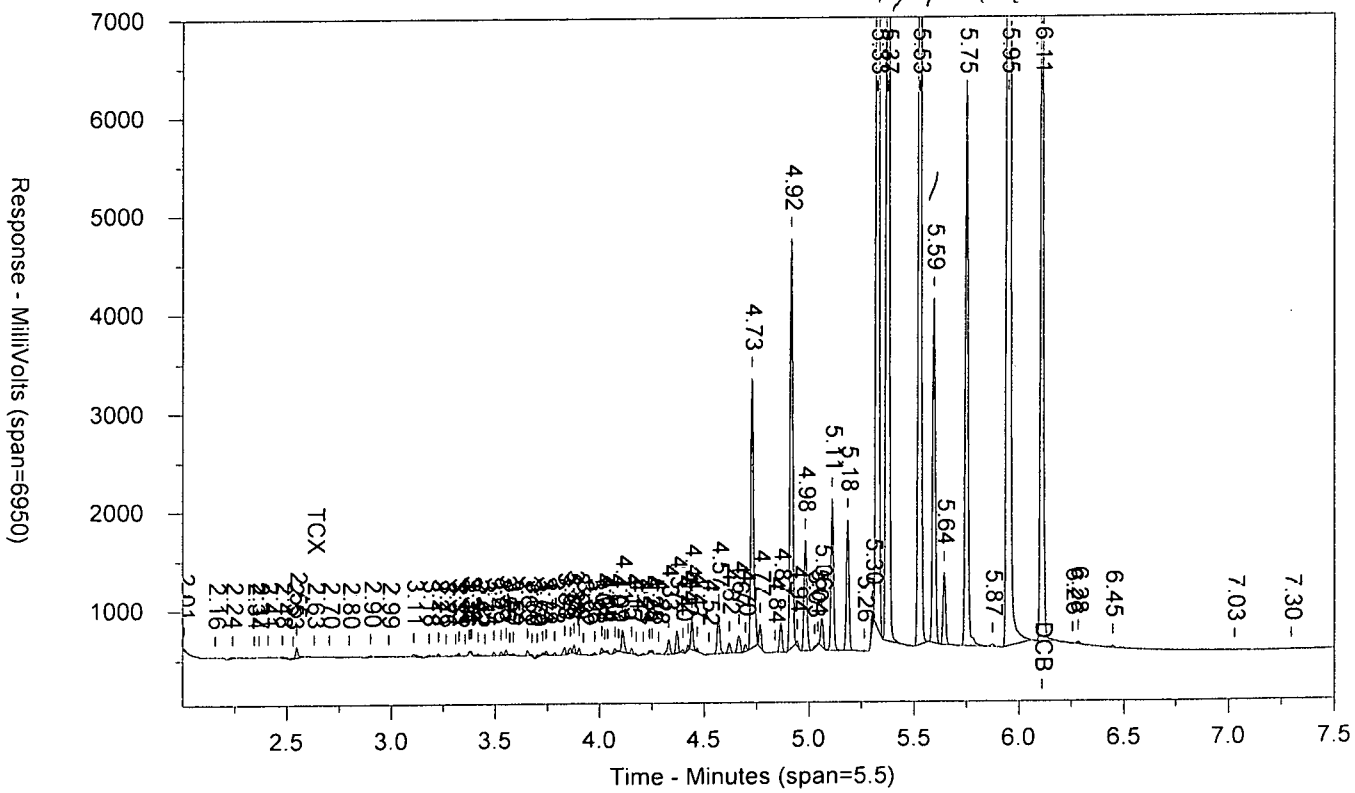

LANCASTER LABORATORIES

Sample Number: AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:43:23 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
	0		TCX	2.629	2736	.004	TCX
6.613	1236467	17.968	DCB	6.108	8495542	17.438	DCB

Files:
Area File: 20pcbs17137001.023.RAW
Area File: 20pcbs17137001B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 8:52:06 PM
File Reported On: 5/17/2017 at 8:52:15 PM

AR6831724A AAAR683AA ICAL 1713699999 10736 SW-846 8082

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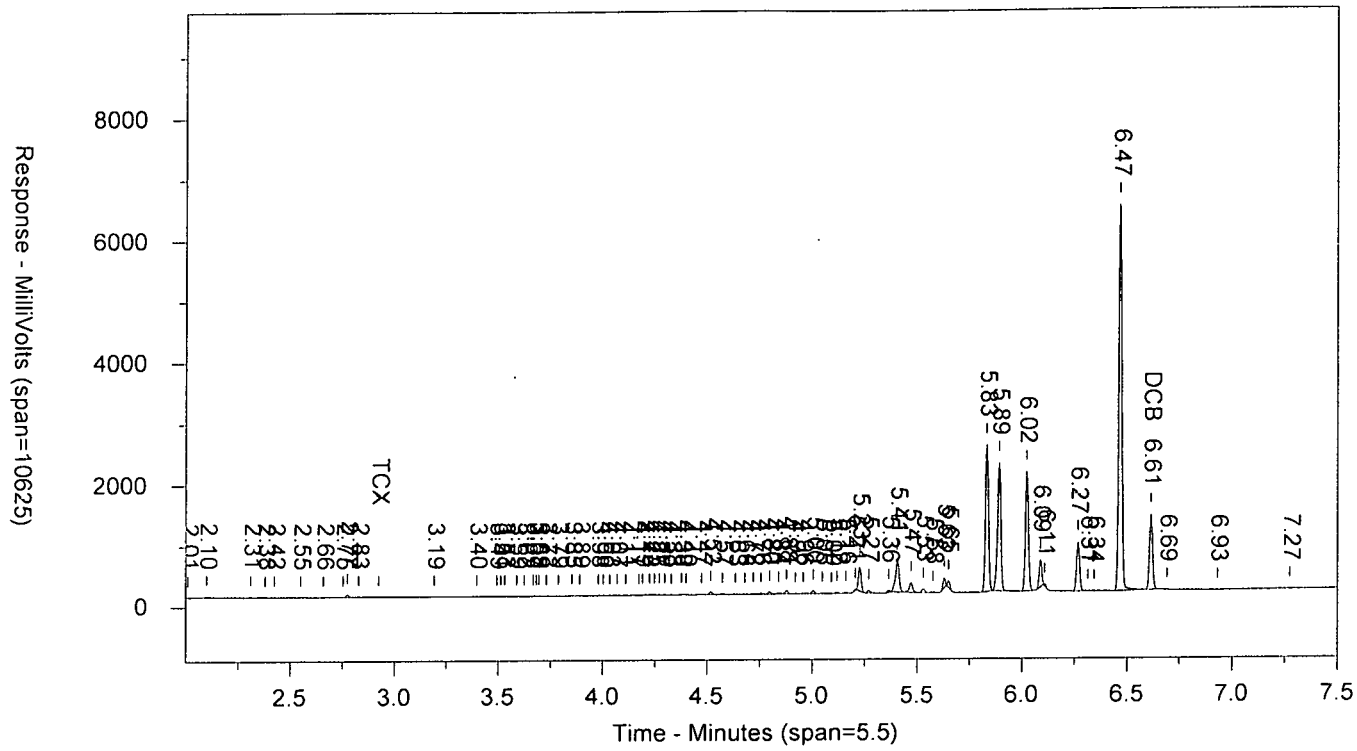

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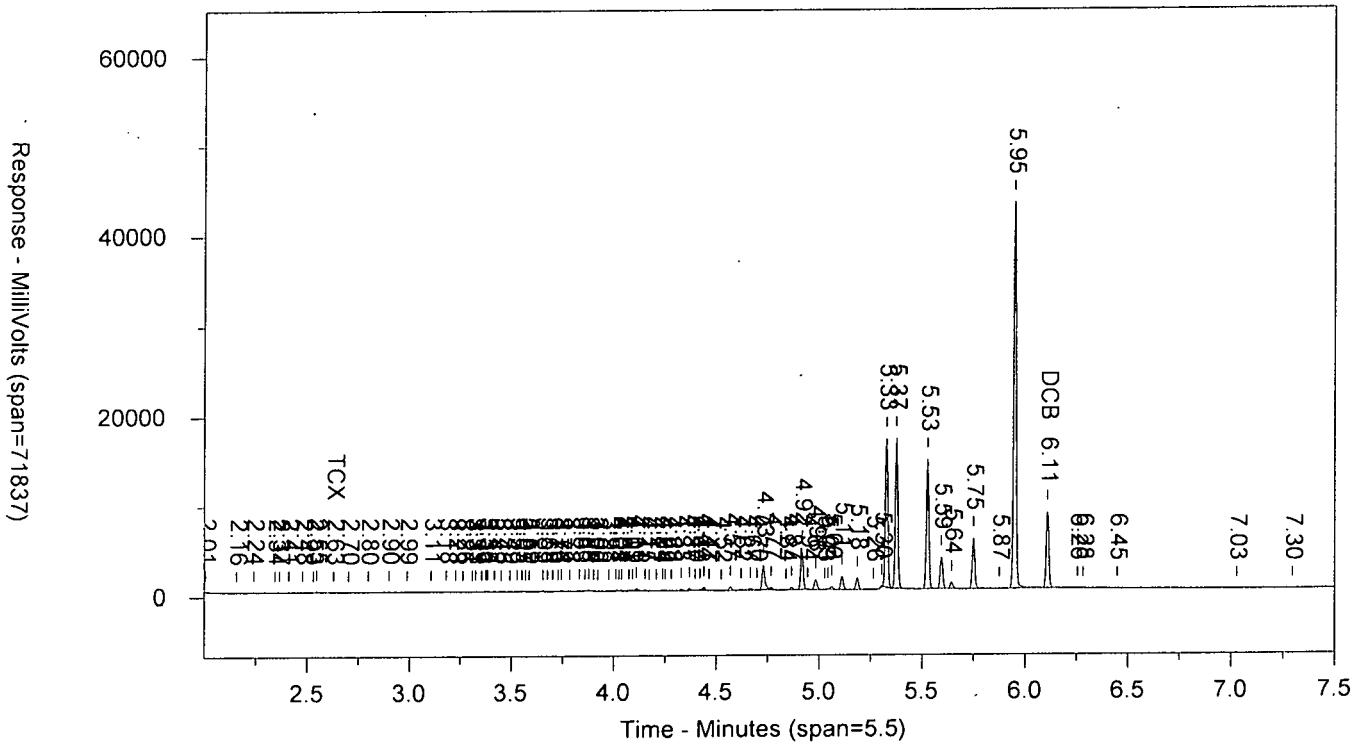

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.024.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		4572	7710
2.142		1563	4264
2.217		17679	14687
2.31		10780	6546
2.329		5646	3182
2.377		1391	1722
2.425		3198	2818
2.503		1993	2027
2.565		151640	111900
2.658		1251	1083
2.72		1072	1184
2.775		13454	9980
2.805		1658	894
2.843		53426	38394
2.924	TCX	4680481	3111497
3.027		1600	1442
3.078		196682	164416
3.134		170034	152109
3.182		549305	393201
3.254		9573	5778
3.276		3519	2126
3.36		853	526
3.396		29015	16797
3.415		5791	3146
3.434		6904	2521
3.483		67088	47206
3.512		33523	24930
3.568		16899	10150
3.587		2190	1108
3.623		6802	3859
3.638		6472	3582
3.666		3977	2418
3.682		11697	5616
3.693		28410	14798
3.73		42442	30933
3.788		24781	17284
3.829		588	340
3.855		13611	10857
3.882		5143	3864
3.979		8926	6249
4.004		2943	2271
4.034		1953	1487
4.072		13286	12215
4.109		2426	2321
4.174		1203	1272
4.189		1578	1091
4.227		16264	11346
4.247		8605	5338
4.271		8639	5333
4.298		7383	6439
4.337		3057	2644
4.379		18518	17458
4.415		3740	2309
4.452		1694	1407

RT A	Compound A	Height A	Area A
4.483		1711	1611
4.52		7651	8534
4.573		14036	12201
4.604		2731	1821
4.634		21031	18316
4.68		3493	3789
4.717		4143	3395
4.756		7189	7143
4.804		1370	1422
4.848		12862	11836
4.878		18465	15543
4.923		1899	1510
4.955		4872	3690
5.005		3315	3483
5.047		9139	11031
5.118		35724	34192
5.164		10634	9338
5.205		2941	2222
5.374		2093	1630
5.45		961	1935
5.531		29435	29630
5.575		1388	1111
5.652		53840	55137
5.687		2489	2036
5.838		4293	4820
5.882		1815	2208
5.927		1419	1391
6.024		54350	57310
6.088		55010	48004
6.109		8149	5036
6.228		3426	28421
6.264		1209	1221
6.306		949	1527
6.391		2096	2977
6.437		814	675
6.467		34476	35645
6.511		1095	1373
6.613	DCB	2752742	2865048
6.995		1072	1178
7.069		2262	2787
7.21		1048	4020
7.349		378	3159
7.822		761	1577
8.119		794	6225
8.297		784	725
8.681		2496	3556

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.024.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4036	2981
2.054		40953	28314
2.156		8959	8987
2.186		2457	948
2.203		13983	7041
2.237		14579	20349
2.271		4019	2351
2.3		704555	472893
2.411		7366	9304
2.452		2827	1411
2.48		4688	3264
2.527		15530	13055
2.547		43121	22290
2.571		230802	143219
2.615	TCX	28055290	16465540
2.658		286031	234623
2.702		4056	4250
2.786		1194106	778645
2.833		231757	101827
2.847		736099	395517
2.899		3053589	1839786
2.949		69187	46558
2.989		6744	4763
3.01		25064	14682
3.086		9347	4909
3.106		121257	60016
3.117		36629	11638
3.125		62700	22754
3.147		106755	67850
3.178		27245	18562
3.203		390349	225446
3.227		218594	135171
3.265		27823	17612
3.292		124082	66259
3.31		57191	26368
3.326		135316	72334
3.354		18589	10105
3.376		81932	43772
3.385		216747	98762
3.419		224355	168101
3.451		5846	3583
3.493		204600	133431
3.528		84436	48442
3.551		58992	39284
3.569		13215	6047
3.591		5320	10570
3.655		75645	49602
3.677		25667	13336
3.701		26111	19510
3.728		16658	8133
3.745		99155	59336
3.785		19513	13885
3.838		7630	7845
3.854		32342	17897

RT B	Compound B	Height B	Area B
3.877		172910	110983
3.902		57909	34120
3.922		11048	5098
3.939		21992	12070
3.976		107701	69167
4.009		52939	31551
4.026		25566	28941
4.073		65790	61450
4.12		40859	30622
4.152		22822	14544
4.177		74028	49635
4.209		21468	14022
4.238		140921	111153
4.275		10296	10017
4.33		75325	65727
4.368		10668	8051
4.398		73090	49620
4.423		9067	4949
4.44		119500	80027
4.466		39128	27932
4.521		6007	5825
4.566		51654	69490
4.619		44657	39400
4.669		215823	163523
4.696		59722	48015
4.728		3308	1373
4.743		8795	5267
4.766		6301	6950
4.842		11544	12237
4.918		22330	17424
4.943		17297	12675
4.986		23685	25441
5.028		7227	5075
5.062		168673	141608
5.089		4361	1936
5.112		13728	9531
5.185		347217	304392
5.246		17159	16026
5.31		3544	3340
5.326		21138	85744
5.407		30499	83631
5.473		11423	23187
5.528		388964	334508
5.596		449616	386798
5.644		140753	120225
5.78		4264	10519
5.859		6935	17558
5.905		6385	6526
5.95		236036	198178
5.981		9435	6459
6.074		1835	1672
6.109	DCB	18941510	16489520
6.172		5903	3498
6.246		5102	5751
6.291		6930	15620
6.56		16141	15277
6.737		4865	10420
6.769		1575	1396
7.216		1490	4100
7.552		1572	3302
7.681		1797	4206
7.728		2424	4355
8.215		14414	26496

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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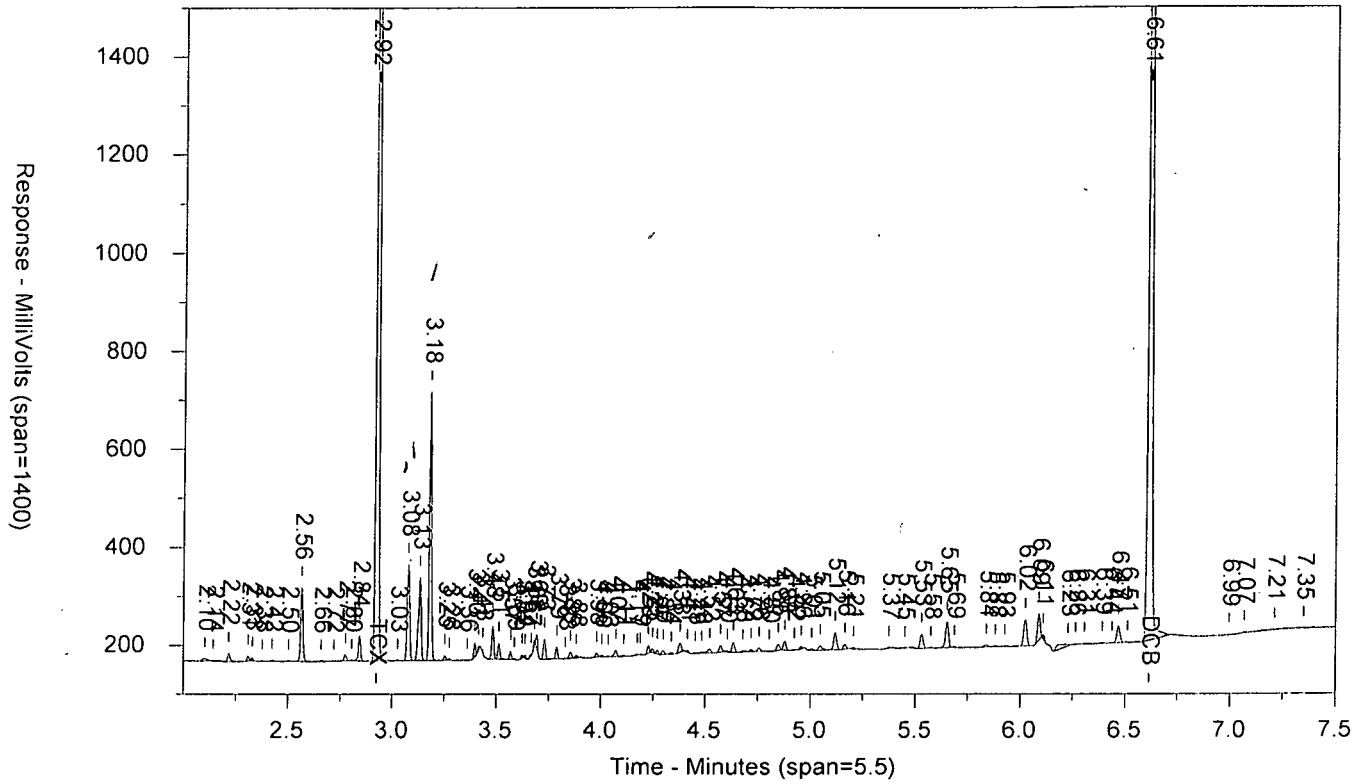

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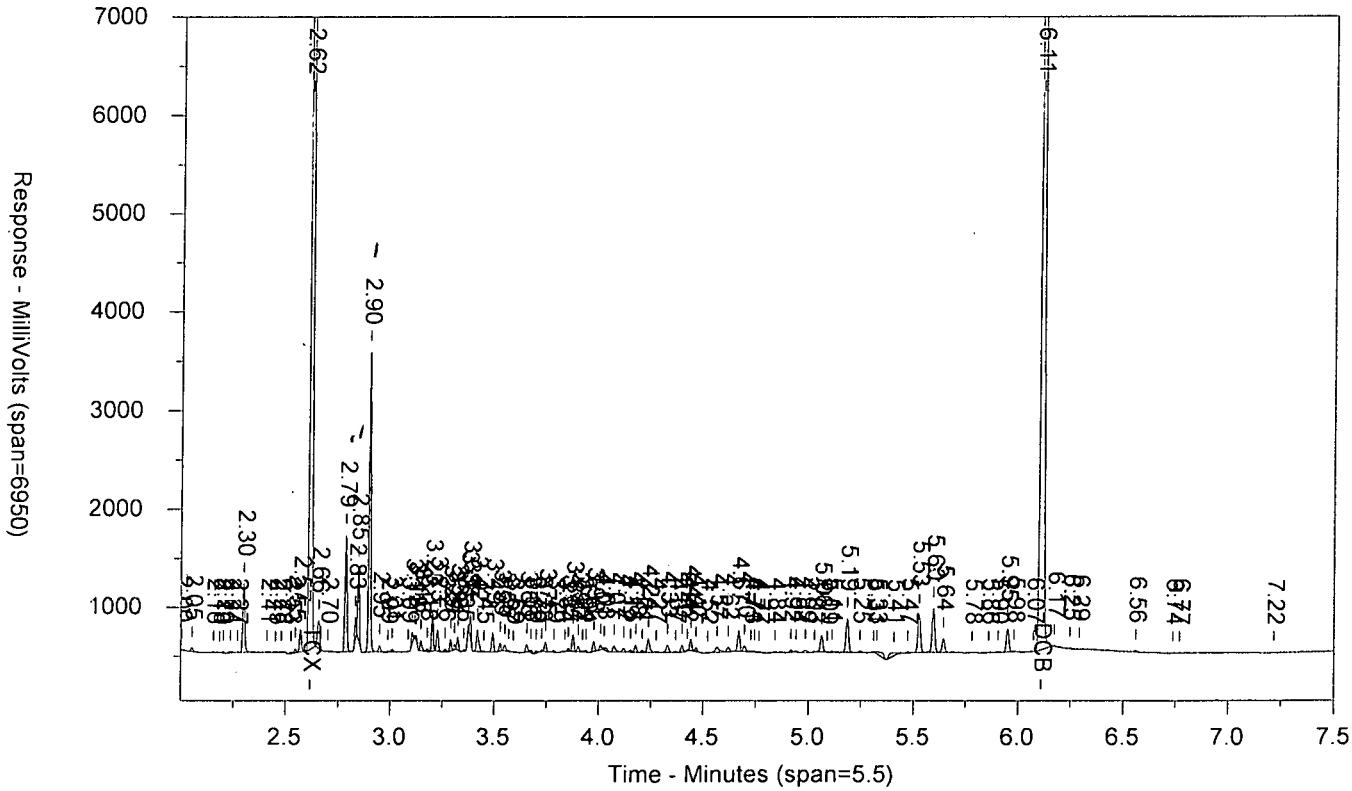

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 8:54:54 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.924	4680481	41.187	TCX	2.615	28055290	40.583	TCX
6.613	2752742	40.001	DCB	6.109	18941510	38.88	DCB

Files:
Area File: 20pcbs17137001.024.RAW
Area File: 20pcbs17137001B.024.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:03:38 PM
File Reported On: 5/17/2017 at 9:03:46 PM

AR2131724A AAAR213AA ICAL 1713699999 10736 SW-846 8082

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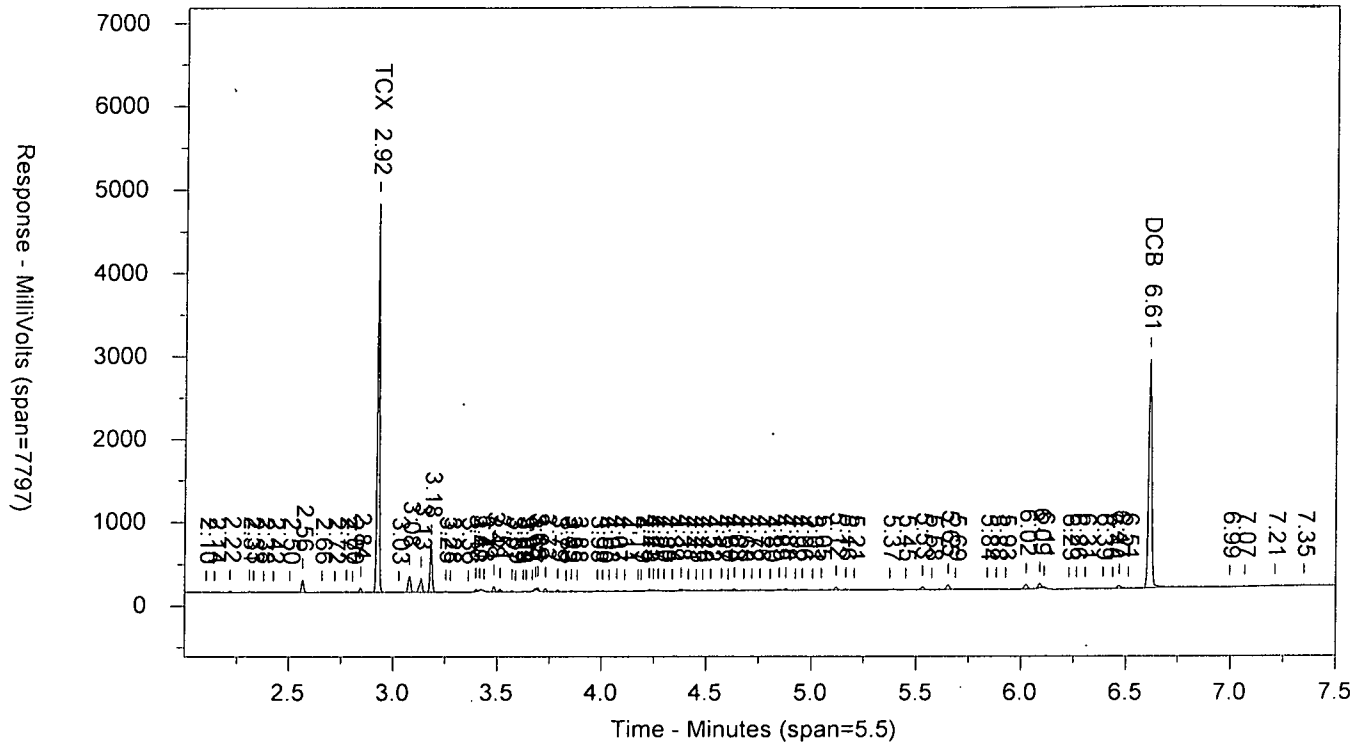

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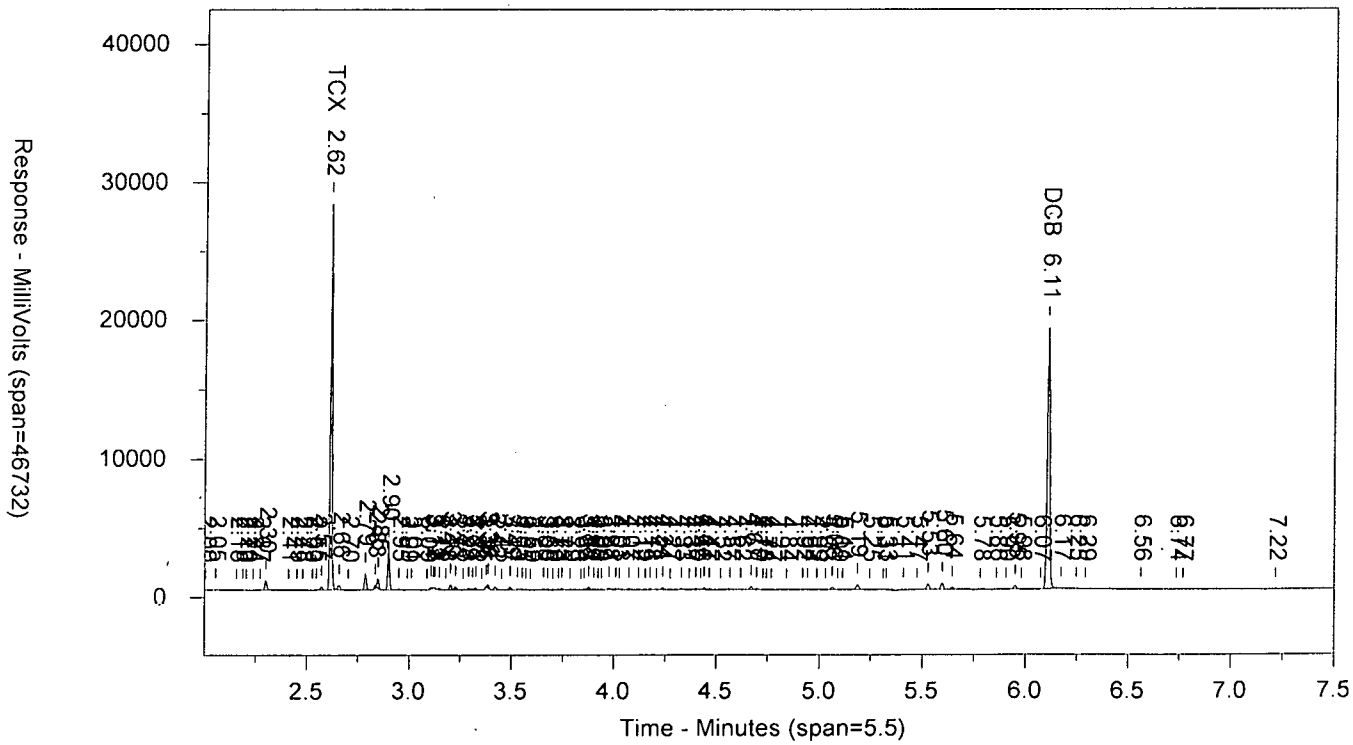

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.025.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.104		8547	13431
2.139		2092	4498
2.218		17008	13285
2.31		20521	12613
2.329		5270	2937
2.381		1757	2041
2.425		7496	6794
2.565		94261	73242
2.659		1490	1288
2.719		987	1305
2.774		19005	14614
2.828		2250	1442
2.843		27798	16698
2.924	TCX	4693937	3125828
3.027		1367	1124
3.077		150485	123968
3.134		137890	132950
3.181		493963	353504
3.254		9441	5475
3.275		24525	15558
3.315		763	598
3.361		1450	966
3.397		198764	118673
3.413		90636	49915
3.451		21222	10849
3.466		4428	1794
3.483		51447	32247
3.513		218093	167254
3.569		17589	10651
3.588		6318	3589
3.624		46986	26284
3.638		22944	11243
3.683		77391	48100
3.694		207641	108081
3.73		236587	186050
3.789		185481	148218
3.828		13184	8585
3.856		120668	91083
3.884		98315	80462
3.905		28914	15239
3.98		143380	103269
4.004		50202	32159
4.035		58490	40933
4.071		148424	157195
4.11		49941	39732
4.156		8451	7665
4.195		12574	9852
4.229		104282	72441
4.249		140453	89213
4.272		161712	113501
4.298		5535	3532
4.331		9464	11745
4.378		123236	98185
4.4		60604	46039

RT A	Compound A	Height A	Area A
4.456		1202	792
4.48		4669	3521
4.522		27183	28515
4.575		34711	31166
4.606		19406	13908
4.636		56331	48079
4.679		2541	2251
4.72		32452	28973
4.759		6776	7457
4.809		5876	5096
4.851		37086	35223
4.88		17499	13979
4.929		4960	6915
4.958		4572	3131
5.009		2640	2557
5.05		38130	39872
5.121		38525	36712
5.167		10403	9599
5.207		4109	3552
5.27		1910	1740
5.392		4566	8472
5.435		885	587
5.452		1928	1158
5.474		1385	897
5.531		31908	32003
5.578		1773	1333
5.653		64155	69583
5.838		7857	8530
5.883		2287	3604
6.025		66452	66922
6.089		64701	59127
6.109		6909	4823
6.27		1919	1961
6.394		1507	1643
6.438		796	965
6.469		34768	37300
6.615	DCB	2695301	2808775
6.898		645	474
7.072		2378	2442
7.307		730	17129
8.087		798	4219
8.483		738	1304
8.682		3481	7160

LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.025.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		16035	19019
2.054		41151	27853
2.156		17083	12019
2.239		19201	31361
2.271		3147	2844
2.299		456437	297252
2.364		3212	4722
2.412		13572	17068
2.479		4362	2939
2.494		13761	13249
2.527		14506	14392
2.545		53034	27949
2.571		147595	88631
2.592		3102	1212
2.615	TCX	28606420	16561320
2.658		248180	194796
2.786		912757	582957
2.832		242205	108892
2.846		599657	311179
2.898		2771218	1672720
2.948		72760	42752
2.987		6327	2911
3.009		143599	86678
3.086		5630	2719
3.105		920442	452925
3.116		317046	112597
3.156		138385	108392
3.177		85245	49603
3.203		314203	178367
3.227		1339343	879204
3.263		60034	35644
3.291		129800	65083
3.31		354594	182395
3.325		296564	145768
3.355		5219	2767
3.375		810076	352519
3.385		1507265	645072
3.405		51107	18150
3.418		1198255	799661
3.493		1472147	917591
3.528		847493	530724
3.552		998344	551907
3.57		331832	169775
3.656		1175078	759110
3.678		402038	221903
3.7		389493	223041
3.728		266938	134193
3.745		1054047	626924
3.786		376268	275048
3.834		70622	48998
3.855		701464	437401
3.878		1331220	846427
3.903		1244278	761213
3.922		51805	21258

RT B	Compound B	Height B	Area B
3.94		34131	18176
3.961		28739	13146
3.976		239314	151665
4.011		769312	536638
4.039		544526	331786
4.074		53249	67826
4.121		147816	120274
4.154		15472	9268
4.177		228877	159296
4.21		143242	96454
4.238		372428	275339
4.277		10551	10249
4.315		40522	20751
4.332		144562	94854
4.367		42311	29383
4.399		244472	175371
4.422		8809	3649
4.442		119785	84097
4.467		40344	25086
4.49		19941	13099
4.568		61036	87352
4.618		233396	185423
4.67		234544	187064
4.697		53473	42755
4.729		9620	4779
4.768		13538	13244
4.842		13149	20919
4.868		4330	4982
4.919		31417	24578
4.943		17803	12556
4.988		32215	36899
5.03		7326	5355
5.064		174059	142957
5.113		41987	34621
5.186		404596	350869
5.304		3130	2254
5.329		14515	12942
5.373		38763	41300
5.529		470566	398756
5.597		543706	461216
5.646		140000	124920
5.751		10839	8895
5.903		4111	3556
5.951		229364	201810
5.983		6409	4208
6.003		4269	2839
6.11	DCB	18891000	16397950
6.292		5816	10326
6.562		15023	17271
6.715		1423	786
7.332		1381	3828
7.427		1586	1537
7.546		1876	3219
7.681		1144	8275
7.715		1590	1479
8.217		16578	27774
8.468		1431	1779

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

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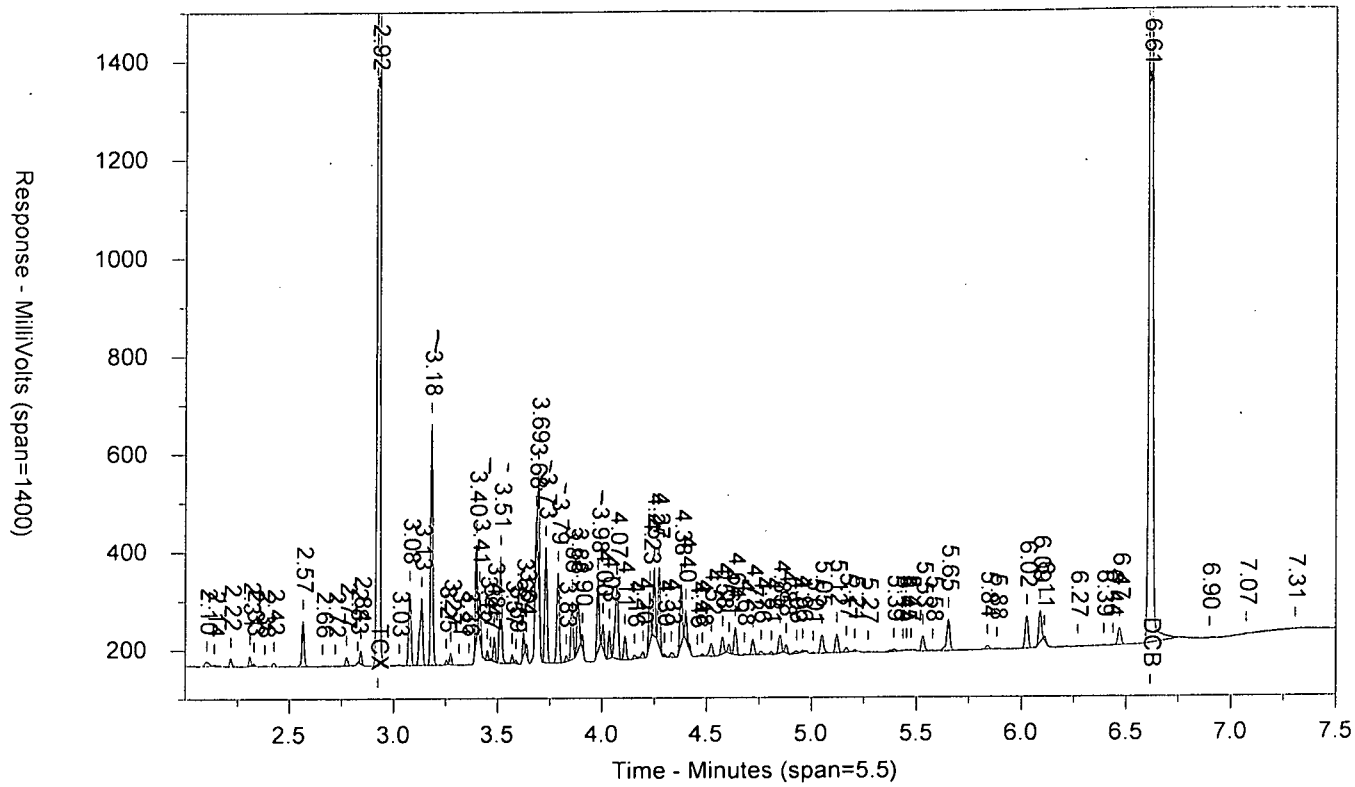

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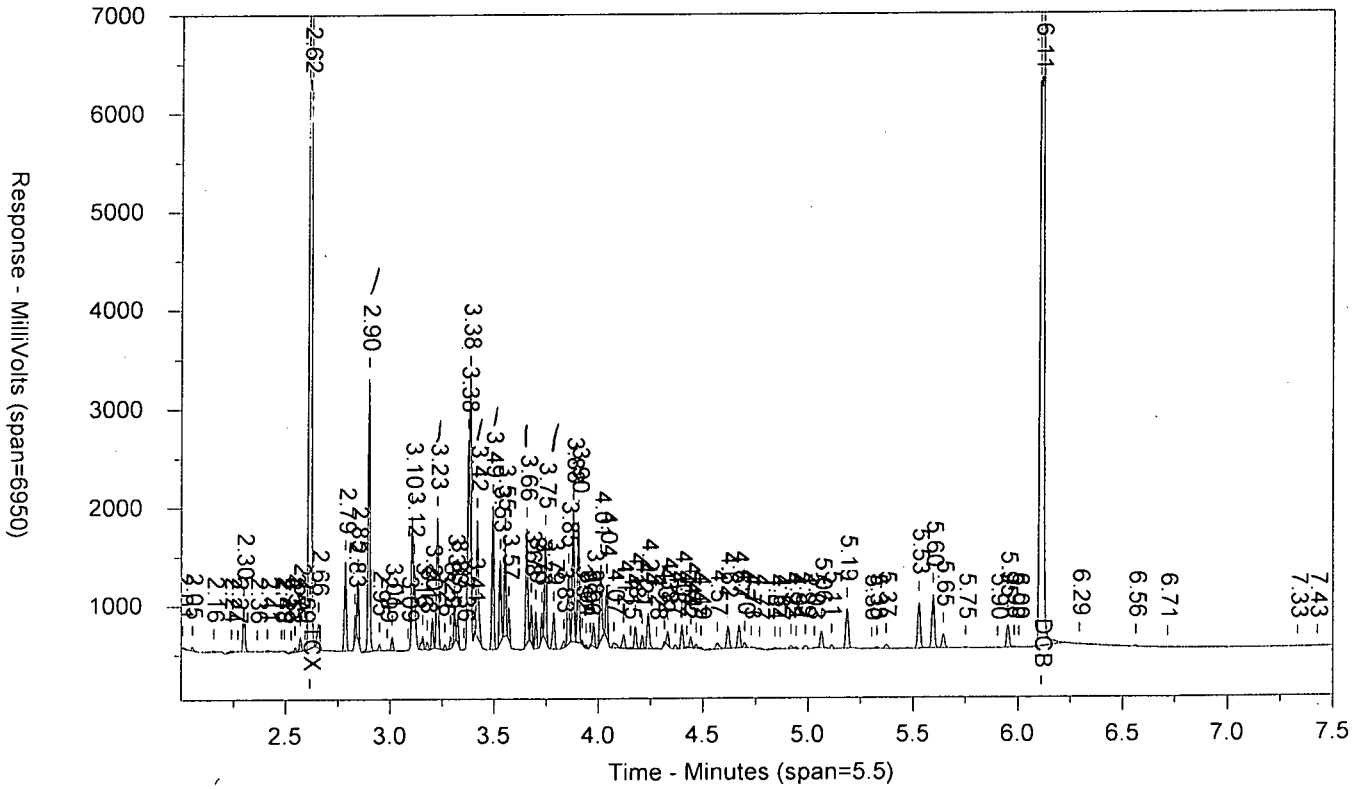


LANCASTER LABORATORIES

Sample Number: AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:06:30 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

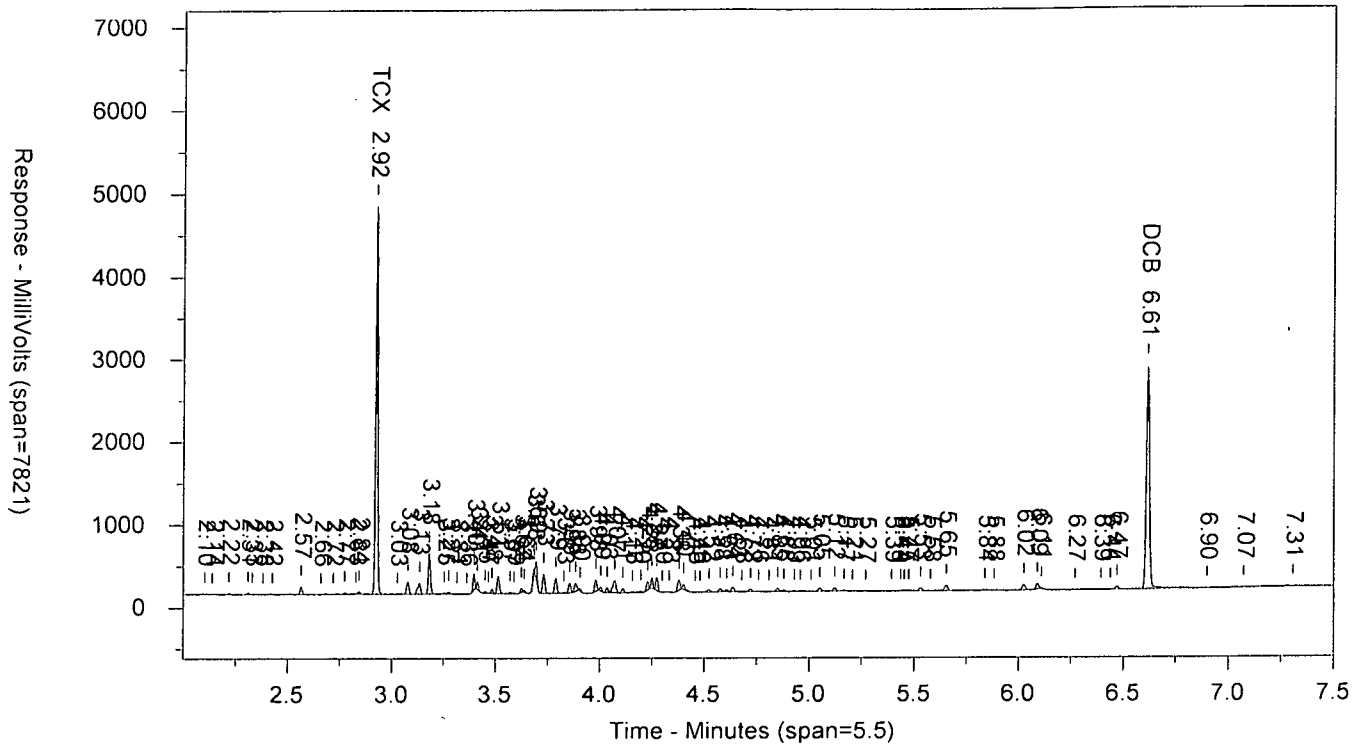
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	4693937	41.305	TCX	2.615	28606420	41.38	TCX
6.615	2695301	39.167	DCB	6.11	18891000	38.776	DCB

Files:
Area File: 20pcbs17137001.025.RAW
Area File: 20pcbs17137001B.025.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:15:15 PM
File Reported On: 5/17/2017 at 9:15:22 PM

AR3231724A AAAR323AA ICAL 1713699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.025.RAW



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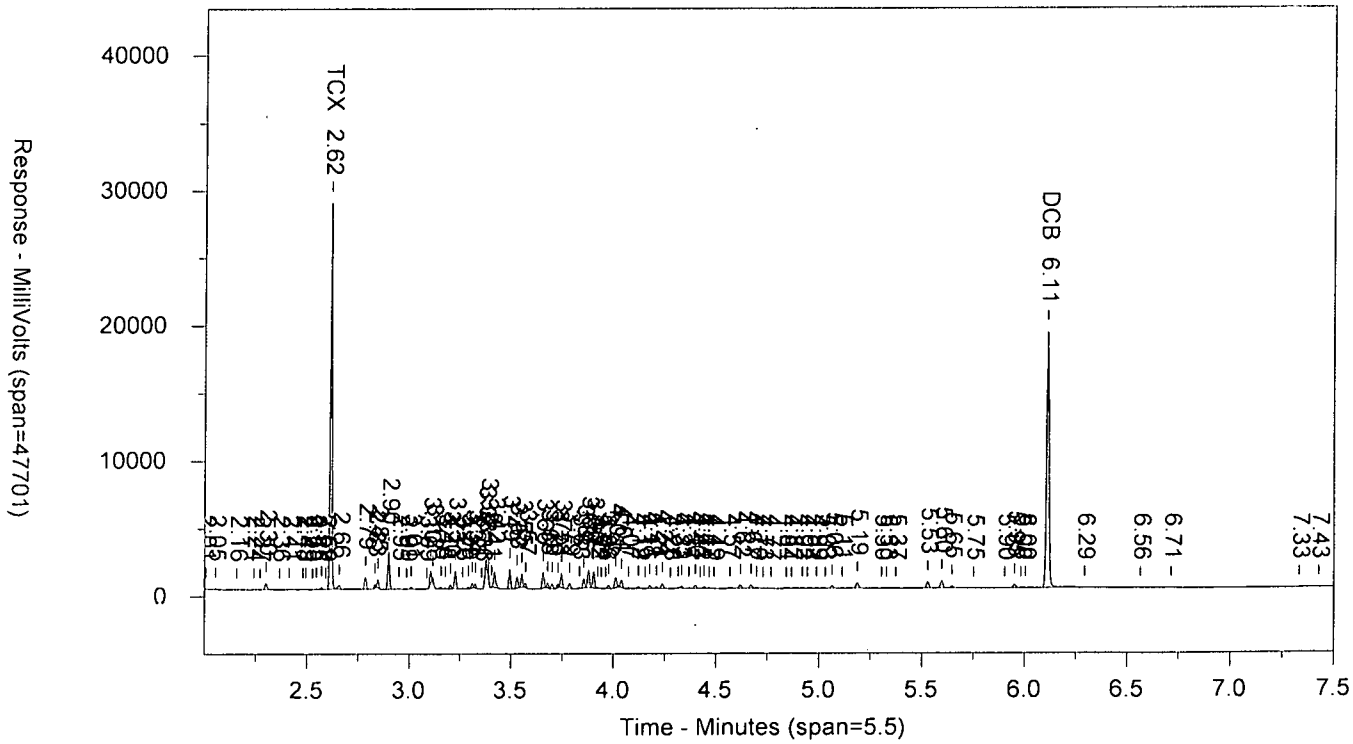


LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.026.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.013		804	1563
2.103		3352	5432
2.217		16133	12696
2.309		7766	4695
2.328		5537	3478
2.38		1337	1490
2.424		2991	2549
2.502		2872	1923
2.549		1140	493
2.565		4340	2884
2.662		1552	1668
2.774		6971	5628
2.827		2023	1268
2.923	TCX	4631099	3086027
3.026		1126	564
3.076		73236	62529
3.132		81517	92374
3.181		351560	252396
3.253		8727	4925
3.274		44051	29288
3.313		1130	915
3.396		347157	206579
3.412		150754	79157
3.45		37706	22135
3.466		13267	5559
3.482		28312	16391
3.513		380135	283125
3.549		1514	814
3.568		14507	8357
3.587		19165	11315
3.622		76340	44692
3.637		37618	18026
3.682		136418	84322
3.693		335248	178458
3.729		427632	324685
3.788		334814	255329
3.827		27962	19319
3.855		230132	167074
3.883		172185	146966
3.904		53361	28668
3.979		273708	195270
4.003		93073	60150
4.033		103220	77325
4.069		279736	288602
4.109		90820	74267
4.154		16918	12844
4.194		23649	19505
4.227		201017	138752
4.248		254188	163003
4.271		311358	220991
4.296		3285	1811
4.335		19768	25004
4.377		225958	189435
4.399		100309	87288

RT A	Compound A	Height A	Area A
4.456		3089	2194
4.478		10937	8065
4.521		56523	53480
4.573		80134	69974
4.604		46054	34082
4.634		127022	109073
4.682		1483	1158
4.72		63384	57552
4.757		5542	3834
4.807		14269	12802
4.848		95458	87025
4.879		20098	15687
4.929		9222	10197
4.956		6837	4940
4.974		4554	2920
5.004		3463	2955
5.048		92229	87351
5.09		2208	1441
5.119		39214	37097
5.165		23876	21005
5.205		3038	2148
5.375		8678	8885
5.43		1078	884
5.471		1065	678
5.529		31364	30375
5.574		6096	5096
5.651		55377	55329
5.689		1131	978
5.837		4254	5116
6.023		58405	58143
6.088		57343	51122
6.11		8961	5097
6.221		3585	18000
6.274		1239	2496
6.385		2035	2862
6.467		33888	35694
6.614	DCB	2951359	2880783
6.672		2260	2557
6.853		1077	444
7.072		2838	3906
7.343		1384	28021
7.818		664	1969
8.68		3324	3133

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.026.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

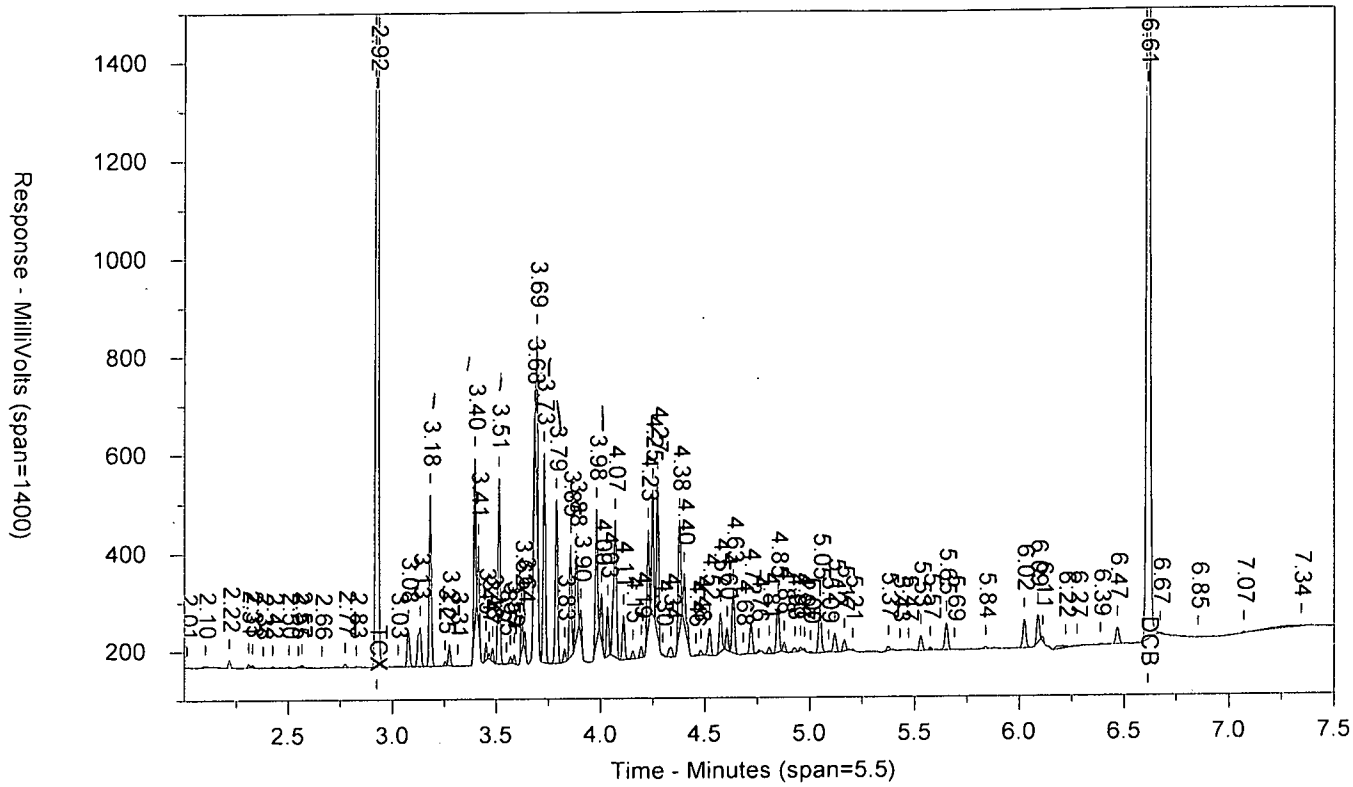
RT B	Compound B	Height B	Area B
2.004		2581	3497
2.054		39793	28734
2.118		3468	4422
2.157		7643	7965
2.186		2144	1006
2.204		20325	11353
2.238		11618	14156
2.272		3858	2859
2.3		26676	19751
2.34		2069	1198
2.41		10967	12148
2.453		2991	1591
2.476		4424	2819
2.529		13621	17031
2.546		25075	11997
2.571		9959	7830
2.615	TCX	27657480	16482220
2.658		153117	107887
2.704		5062	6848
2.785		455176	308119
2.833		258018	123128
2.846		325360	158120
2.898		1944532	1191914
2.948		67041	39764
3.009		250375	157207
3.067		1666	754
3.105		1590042	785119
3.116		538273	203353
3.156		253244	154327
3.177		157418	90314
3.203		205007	111447
3.227		2322301	1524464
3.263		144568	85674
3.291		103514	48978
3.309		592287	307414
3.325		382233	187710
3.353		5959	2604
3.375		1149152	513737
3.385		2651174	1120307
3.405		99681	39696
3.419		2283706	1518940
3.493		2610073	1583933
3.528		1644481	994787
3.551		1882698	1039464
3.569		631464	314126
3.655		2148996	1422633
3.677		773919	421048
3.698		787452	465017
3.728		519815	273301
3.745		1924911	1138926
3.785		691936	512848
3.832		144696	99743
3.854		1301849	823520
3.877		2567319	1627013

RT B	Compound B	Height B	Area B
3.902		2224092	1402401
3.922		111054	51885
3.94		97206	51692
3.96		48019	21116
3.976		523752	332815
4.011		1483237	1043618
4.039		1014942	603760
4.073		13474	8958
4.085		55766	31158
4.12		351308	272794
4.153		21781	12660
4.177		580706	437425
4.209		345104	238976
4.237		846849	604708
4.275		14412	14002
4.314		70534	37580
4.331		291070	191407
4.366		98269	70418
4.398		612854	448323
4.422		12300	5347
4.441		134424	88992
4.465		54171	31774
4.49		53181	39036
4.565		72847	65981
4.592		8926	4727
4.617		562128	441404
4.669		204960	162547
4.696		154251	137028
4.743		24886	18296
4.842		13453	19749
4.883		8808	6889
4.917		13833	9615
4.942		61480	48497
4.985		24305	24313
5.027		7496	4276
5.063		177404	140568
5.089		31445	20516
5.114		7132	4967
5.131		6889	4386
5.186		370585	313818
5.244		6540	6205
5.308		2479	2299
5.328		13893	47702
5.413		11014	40670
5.446		2161	2054
5.47		3711	3375
5.527		392424	342023
5.596		464362	410557
5.644		131930	120734
5.779		10583	30996
5.861		5706	18367
5.907		7326	7270
5.95		236363	198790
5.981		10782	7781
6.11	DCB	20304630	17259270
6.247		5015	4657
6.29		7104	25138
6.561		17587	16084
6.719		1275	1243
7.3		2053	1523
7.436		3326	10245
7.614		1745	2422
7.682		1695	3730
7.798		2004	2649
8.14		1621	1545
8.218		16549	31338

RT B	Compound B	Height B	Area B
8.664		4552	10743

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.026.RAW



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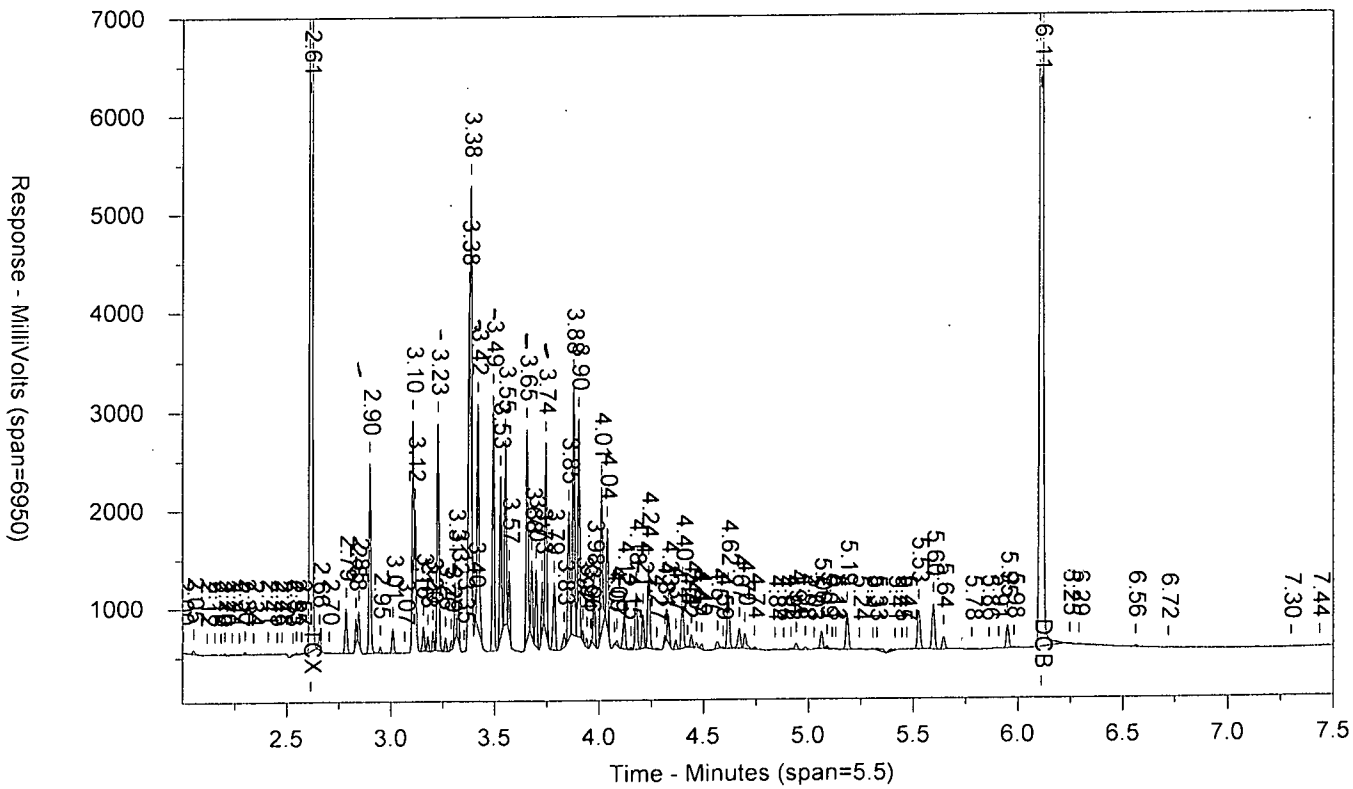

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:17:58 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	4631099	40.752	TCX	2.615	27657480	40.007	TCX
6.614	2951359	42.887	DCB	6.11	20304630	41.678	DCB

Files:
Area File: 20pcbs17137001.026.RAW
Area File: 20pcbs17137001B.026.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:26:41 PM
File Reported On: 5/17/2017 at 9:27:00 PM

AR4231724A AAAR423AA ICAL 1713699999 10736 SW-846 8082

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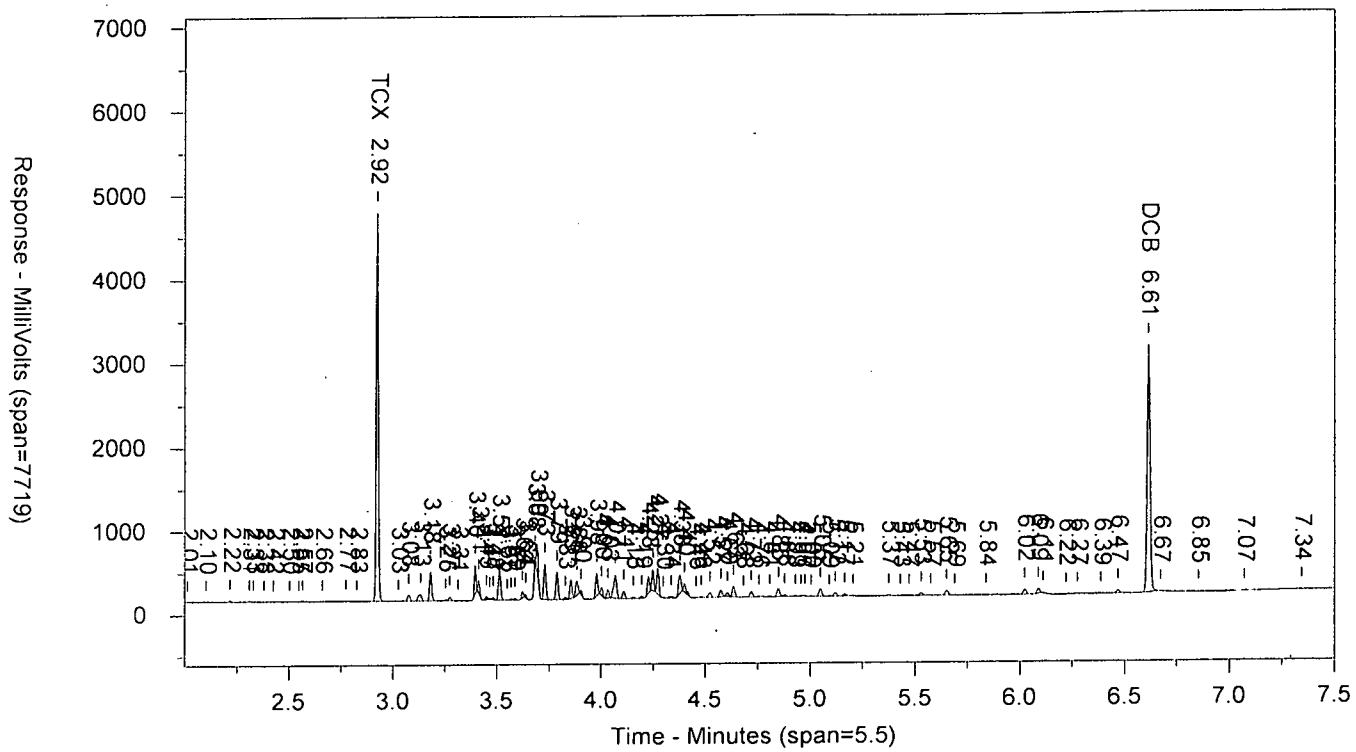

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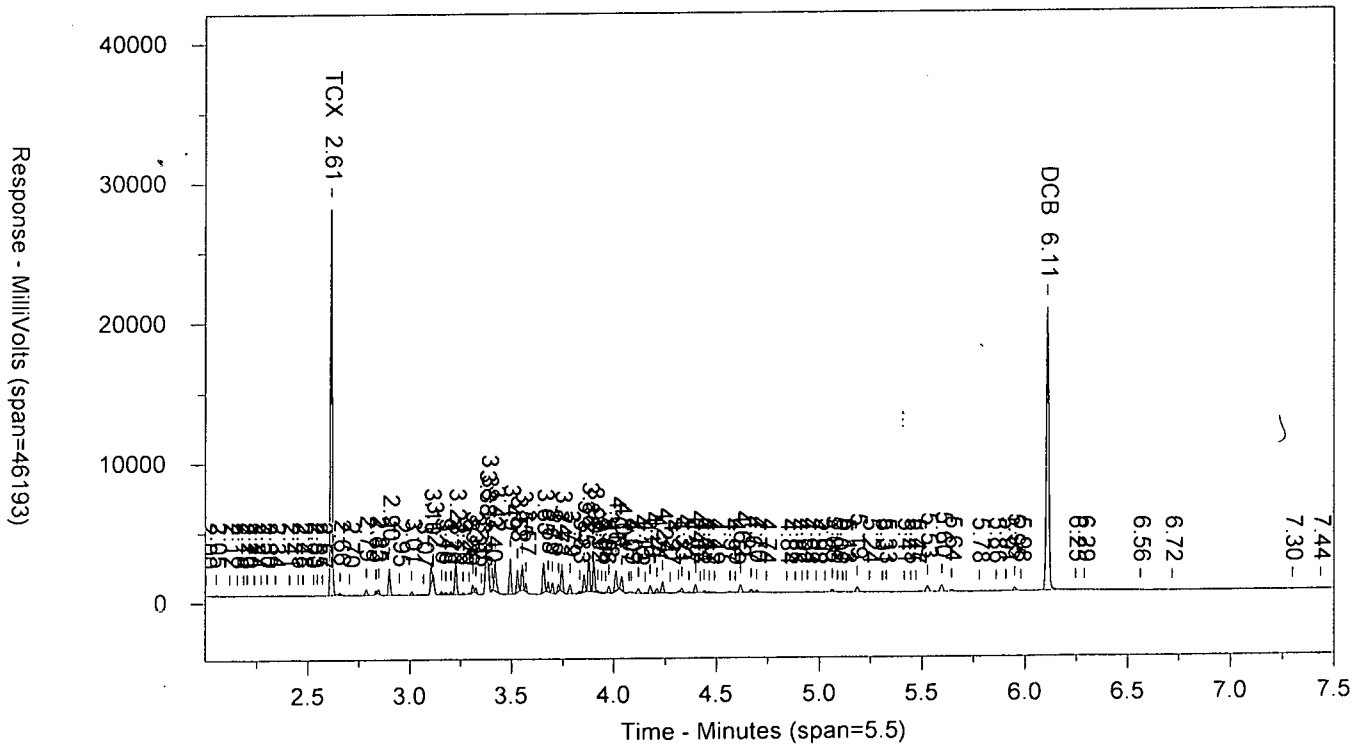

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.027.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4889	7813
2.139		1851	2705
2.217		19199	14201
2.309		12148	7366
2.328		6105	3623
2.379		1371	1706
2.424		5147	4349
2.516		981	658
2.549		1872	1159
2.565		4901	3139
2.66		1667	1567
2.704		702	410
2.774		23989	19834
2.825		2706	1640
2.923	TCX	5224759	3548644
3.025		1268	823
3.076		90159	75246
3.133		109020	114357
3.182		445984	329501
3.254		8790	4965
3.275		58183	39481
3.315		1854	1502
3.364		2753	1959
3.397		453276	278419
3.413		202653	108329
3.451		54012	30805
3.466		15689	6633
3.483		40338	23177
3.513		496854	387058
3.549		1657	860
3.569		18623	10777
3.588		14751	8961
3.624		102296	61212
3.638		50078	24074
3.683		207697	119414
3.694		496861	259672
3.73		567327	429415
3.789		451778	357624
3.828		38601	26847
3.856		305625	224342
3.884		241561	202067
3.905		74202	43235
3.98		361716	265499
4.004		127818	81966
4.034		145847	104677
4.071		361875	381648
4.11		120093	99399
4.156		16521	13349
4.195		23603	20816
4.229		137539	97962
4.249		115535	74984
4.273		102773	71797
4.298		5880	3842
4.336		3958	4670

RT A	Compound A	Height A	Area A
4.378		35483	30492
4.4		5347	2666
4.477		1188	789
4.52		4253	5884
4.573		4791	4614
4.636		1957	1888
4.721		1765	1311
4.852		1987	1916
4.881		23447	20161
4.921		3541	4478
5.007		1871	1330
5.048		1966	1742
5.068		2034	1279
5.121		42538	43106
5.167		1068	930
5.208		3415	3871
5.381		4060	12014
5.41		707	432
5.435		1987	2934
5.473		2209	3175
5.531		35965	35953
5.601		2942	3002
5.653		65990	65728
5.84		3553	4494
5.88		1709	2193
6.024		67035	65793
6.059		14061	10890
6.089		67559	57292
6.11		10948	7516
6.215		10541	27271
6.268		5106	10569
6.396		1286	1714
6.436		1222	830
6.469		39822	39844
6.615	DCB	3073630	3291043
6.744		1787	1469
7.076		2210	2430
7.349		957	29598
8.27		664	489
8.382		389	2275
8.516		893	316
8.682		1945	1638

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.027.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4806	5388
2.054		47727	31835
2.119		2968	2549
2.156		8100	8224
2.238		11418	19648
2.274		8915	4848
2.3		30225	19665
2.41		16923	16002
2.494		58836	128042
2.528		23384	29730
2.546		71819	43180
2.57		10616	6950
2.591		3117	1489
2.615	TCX	33005770	18905610
2.658		208709	141400
2.759		2510	1383
2.785		543149	356745
2.832		269827	128168
2.846		426091	214019
2.88		7167	3748
2.898		2553899	1541069
2.948		77157	44713
2.986		16085	8347
3.009		337620	204329
3.105		2190742	1071467
3.116		776859	300953
3.156		333749	212227
3.177		197679	112399
3.203		270556	151806
3.227		3271128	2083899
3.263		123465	68984
3.292		118383	56499
3.31		814505	424413
3.325		519971	252604
3.354		8914	4507
3.376		1594821	767255
3.385		3607330	1581576
3.405		127545	45747
3.419		3084391	1967532
3.493		3596888	2233229
3.528		2241483	1374788
3.552		2594920	1424190
3.57		829845	433870
3.656		3159143	1982421
3.679		1062224	575365
3.7		1014689	592834
3.729		723136	358352
3.746		2581542	1524135
3.786		905899	650725
3.834		117531	109881
3.856		684456	437119
3.878		1460233	934873
3.903		732663	440252
3.923		119634	62108

RT B	Compound B	Height B	Area B
3.94		19160	9489
3.963		8979	4460
3.977		57230	34585
4.012		82669	47155
4.026		83549	67338
4.075		53295	46877
4.111		5308	4710
4.134		5489	2739
4.154		35200	47106
4.208		18416	30989
4.239		15230	22220
4.313		4064	2606
4.333		10994	8342
4.371		5697	4423
4.399		11504	7518
4.442		164945	156782
4.532		2767	4081
4.569		7456	5152
4.623		21958	17795
4.645		11676	7333
4.672		161845	123152
4.722		5822	14334
4.745		9987	7295
4.766		3780	4382
4.817		3894	4328
4.844		12279	10847
4.918		13342	10620
4.944		7193	5219
4.986		25200	30280
5.03		6286	4064
5.064		217635	191208
5.107		3058	2260
5.186		438425	376586
5.307		3197	2344
5.33		7926	7137
5.373		7425	7810
5.429		3102	4005
5.475		2609	2718
5.528		493354	493265
5.597		588001	559750
5.646		179075	201452
5.751		3586	9793
5.843		6954	6775
5.905		5212	4809
5.951		270812	226300
5.982		7213	4774
6.004		4059	2985
6.074		2551	2110
6.11	DCB	22203290	19194930
6.208		5395	4375
6.289		4374	3813
6.339		3132	5276
6.562		18293	21632
7.434		1581	1603
7.734		2343	3142
7.849		2566	3980
8.223		17282	31577

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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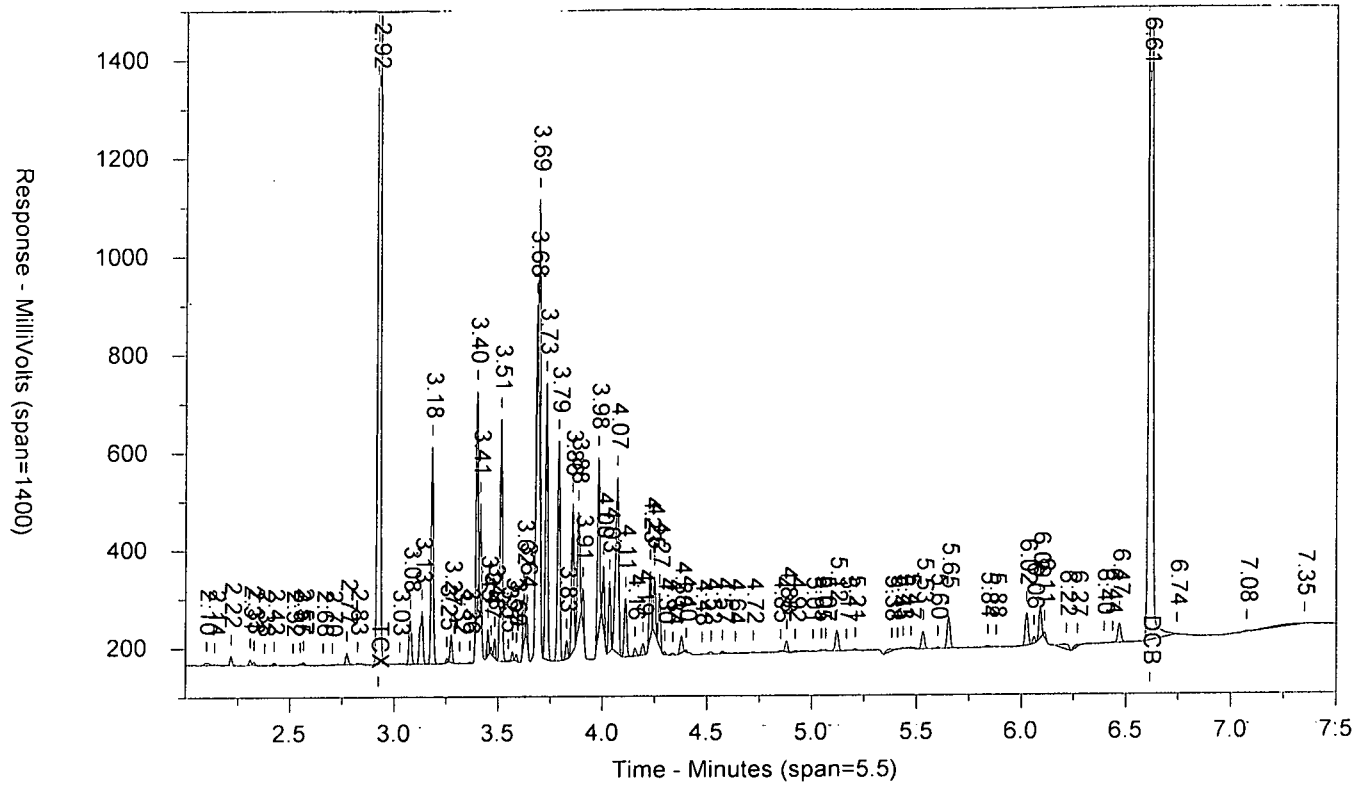

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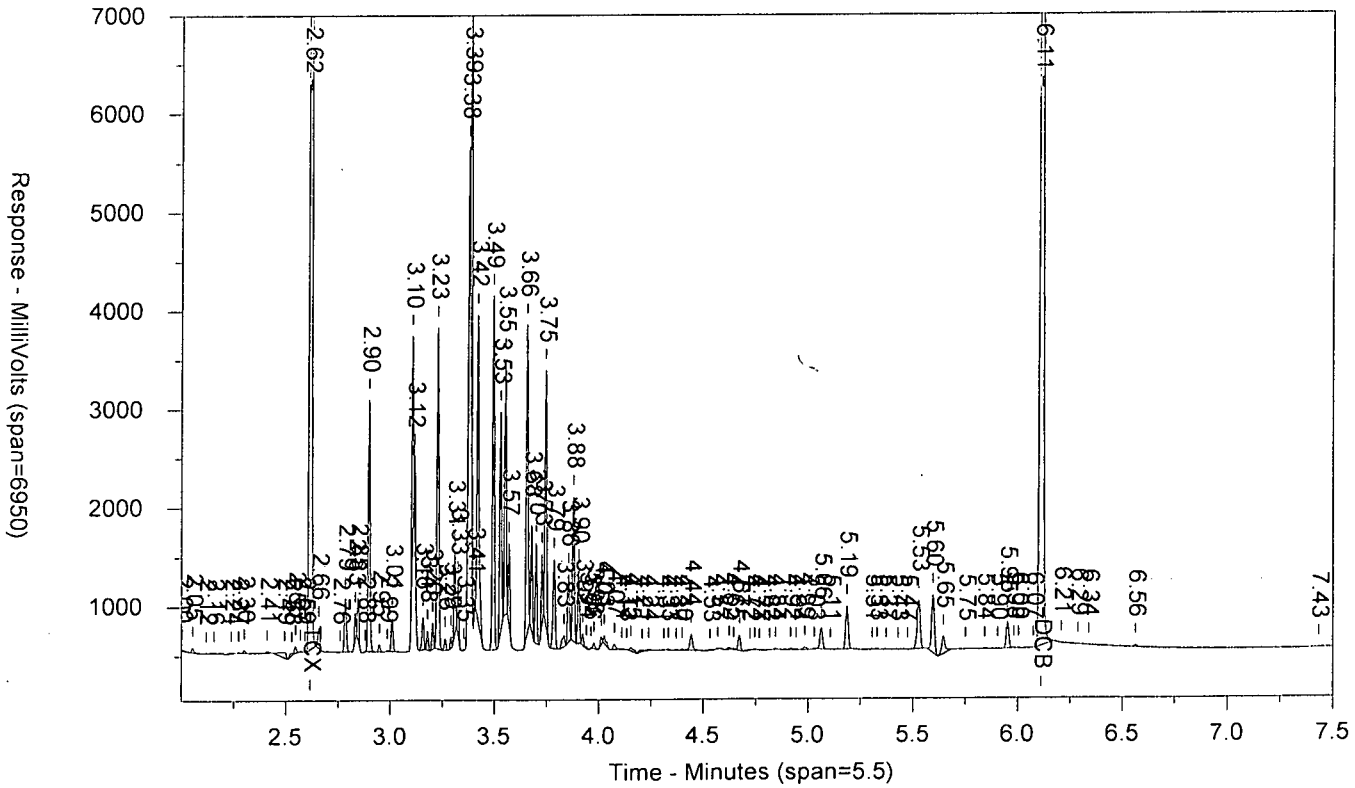

LANCASTER LABORATORIES

Sample Number: AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:29:27 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.923	5224759	45.976	TCX	2.615	33005770	47.744	TCX
6.615	3073630	44.664	DCB	6.11	22203290	45.575	DCB

Files:
Area File: 20pcbs17137001.027.RAW
Area File: 20pcbs17137001B.027.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:38:11 PM
File Reported On: 5/17/2017 at 9:38:18 PM

AR16XX1724A AAAR16XAA ICAL 1713699999 10736 SW-846 8082

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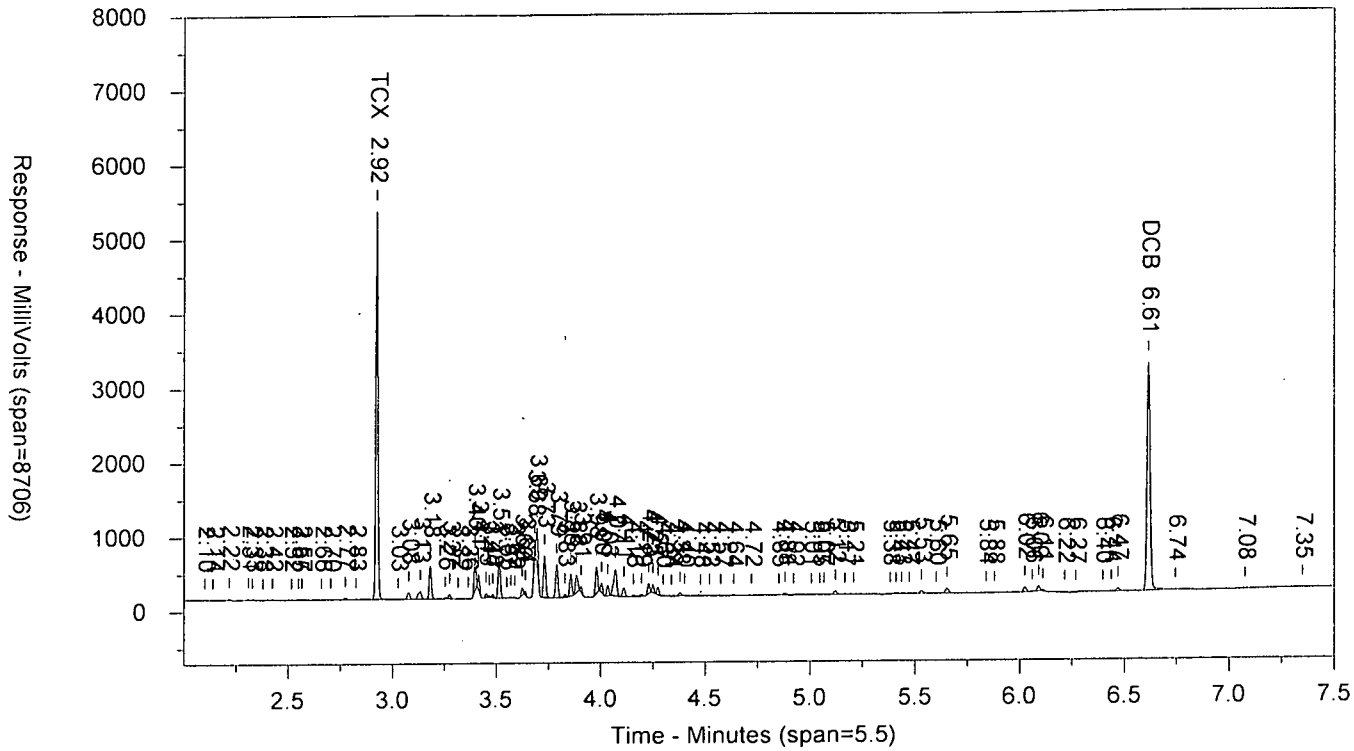

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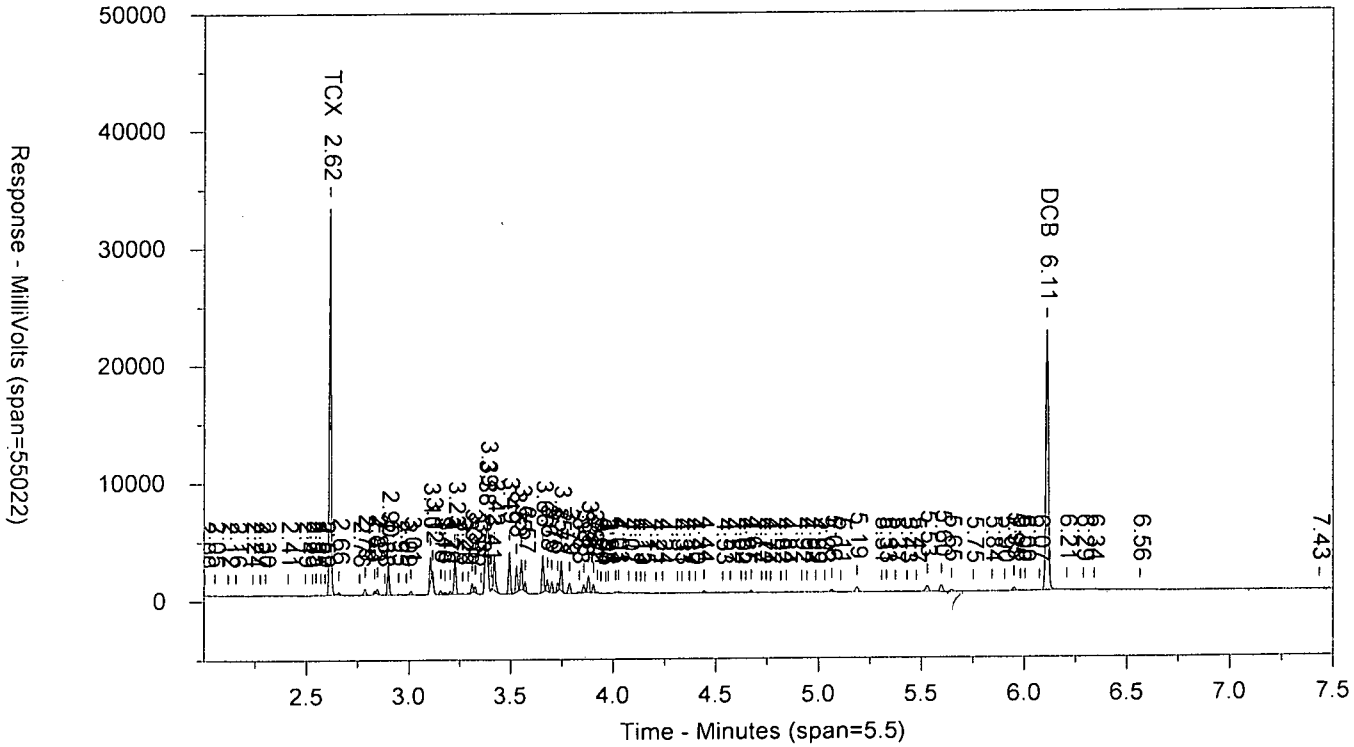

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.028.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.103		4185	7401
2.137		1391	2197
2.31		20450	13886
2.381		1213	1703
2.423		3823	3776
2.549		2790	2133
2.66		1211	1012
2.733		1440	2133
2.774		11713	9206
2.829		4022	3779
2.924	TCX	104337	72458
3.076		4308	3729
3.135		5423	4779
3.182		28781	22230
3.274		2772	2062
3.364		1232	1233
3.397		30287	17941
3.414		12854	6524
3.452		2597	1525
3.484		1901	1199
3.513		31759	25785
3.588		1024	854
3.624		5639	3136
3.668		4004	2265
3.683		14489	7286
3.694		28054	13422
3.73		32426	23976
3.789		25170	18483
3.829		1608	1038
3.856		20196	15239
3.883		14311	11705
3.906		3657	1904
3.98		21330	14896
4.003		6545	4073
4.035		7484	4997
4.07		20566	21314
4.11		5903	4965
4.175		843	771
4.194		2148	1609
4.229		24690	17860
4.249		5718	3227
4.271		4859	3220
4.299		8295	7885
4.338		2960	2639
4.383		27292	25020
4.481		659	634
4.518		5642	7516
4.575		2535	1450
4.59		5359	3437
4.635		16654	14294
4.681		23515	25893
4.72		5401	3728
4.757		54488	50525
4.8		1156	1167

RT A	Compound A	Height A	Area A
4.849		8808	10228
4.905		10306	11094
4.958		62920	78591
5.007		12191	10661
5.05		28920	31826
5.128		6253	8159
5.166		66848	65079
5.227		35367	30563
5.271		21012	21020
5.393		43290	67039
5.451		21444	19900
5.491		10146	9063
5.533		4148	4107
5.577		14111	12728
5.632		88125	93491
5.839		49417	54830
5.892		14476	28099
6.024		2768	3220
6.089		2112	1559
6.111		9173	9127
6.21		8288	24685
6.268		25759	31422
6.314		2032	2478
6.404		1026	1322
6.471		5184	5662
6.616	DCB	73233	76478
7.393		848	59496
8.025		465	945
8.163		613	930
8.312		913	1807

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.028.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		4977	7558
2.114		3388	4692
2.156		13835	35727
2.239		13347	25117
2.301		2268	2249
2.343		2174	1886
2.412		16988	17076
2.476		4048	2808
2.495		11128	9800
2.527		8650	8843
2.546		40077	21128
2.574		2893	3357
2.591		4253	2379
2.615	TCX	634514	365193
2.659		11545	9286
2.697		6686	9607
2.785		28157	18500
2.832		4802	2198
2.846		30918	18989
2.898		167049	111881
2.985		6077	3720
3.009		19093	11158
3.105		143686	71120
3.116		46250	18325
3.157		11553	6963
3.178		14753	10082
3.202		17305	9333
3.227		203321	131696
3.264		7850	4050
3.279		4940	1670
3.31		43655	21110
3.325		115084	61585
3.354		5593	2627
3.375		123175	52857
3.385		207631	86152
3.418		195415	141939
3.493		207284	130396
3.528		158422	94870
3.552		172829	96128
3.57		48518	22938
3.656		187525	120123
3.678		73118	41610
3.7		64543	40300
3.728		44934	22479
3.745		148941	87768
3.786		51369	37895
3.829		11141	11637
3.855		37155	22849
3.877		201499	133386
3.903		40282	22538
3.923		6333	3027
3.94		25749	15107
3.976		178760	122151
4.01		8429	5118

RT B	Compound B	Height B	Area B
4.025		14188	8891
4.074		54168	46662
4.112		8093	4563
4.176		35294	21572
4.221		30461	17572
4.238		43607	21118
4.251		103873	56493
4.276		66204	66069
4.33		362834	275442
4.372		7336	6615
4.399		36966	24780
4.423		79399	58941
4.466		408948	324377
4.526		3971	4442
4.568		322761	328412
4.622		40934	30517
4.658		92399	78858
4.697		387388	340203
4.729		202040	142597
4.768		140512	112872
4.842		5659	8125
4.867		39116	27102
4.919		254328	200179
4.942		36370	23329
4.993		134403	122325
5.028		65858	54879
5.059		47881	40847
5.09		21367	12287
5.113		508939	435556
5.154		12382	8865
5.185		27951	22650
5.305		6296	4250
5.328		118448	96990
5.373		317703	352812
5.528		19472	20452
5.572		11481	8726
5.596		37901	46975
5.646		85827	120960
5.696		2541	2214
5.752		140954	117357
5.783		8283	5699
5.833		4212	3805
5.917		3148	2585
5.951		40935	33426
6.109	DCB	492123	455333
6.232		1616	1149
6.307		1788	2164
6.717		2632	3516
7.556		1816	4284
8.222		16408	31334
8.363		1344	2515

MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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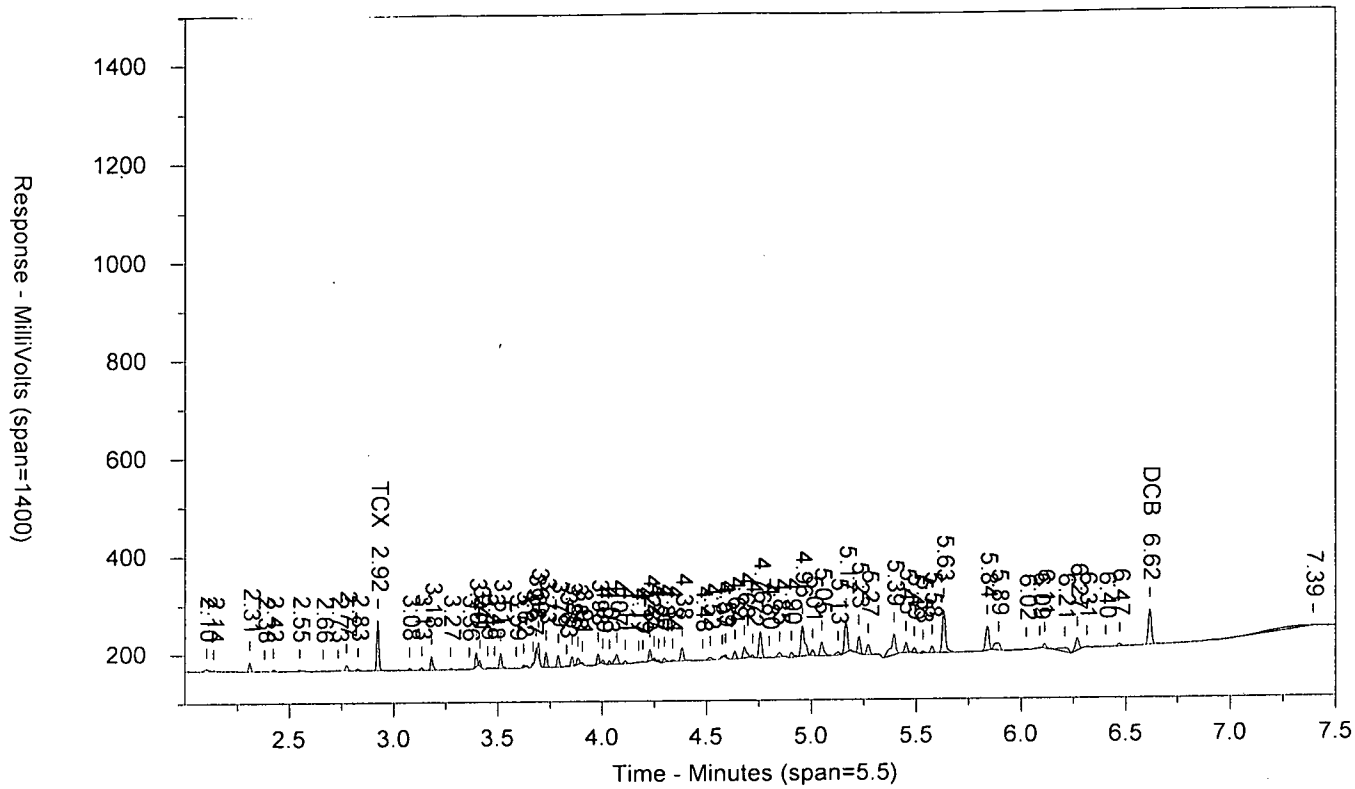

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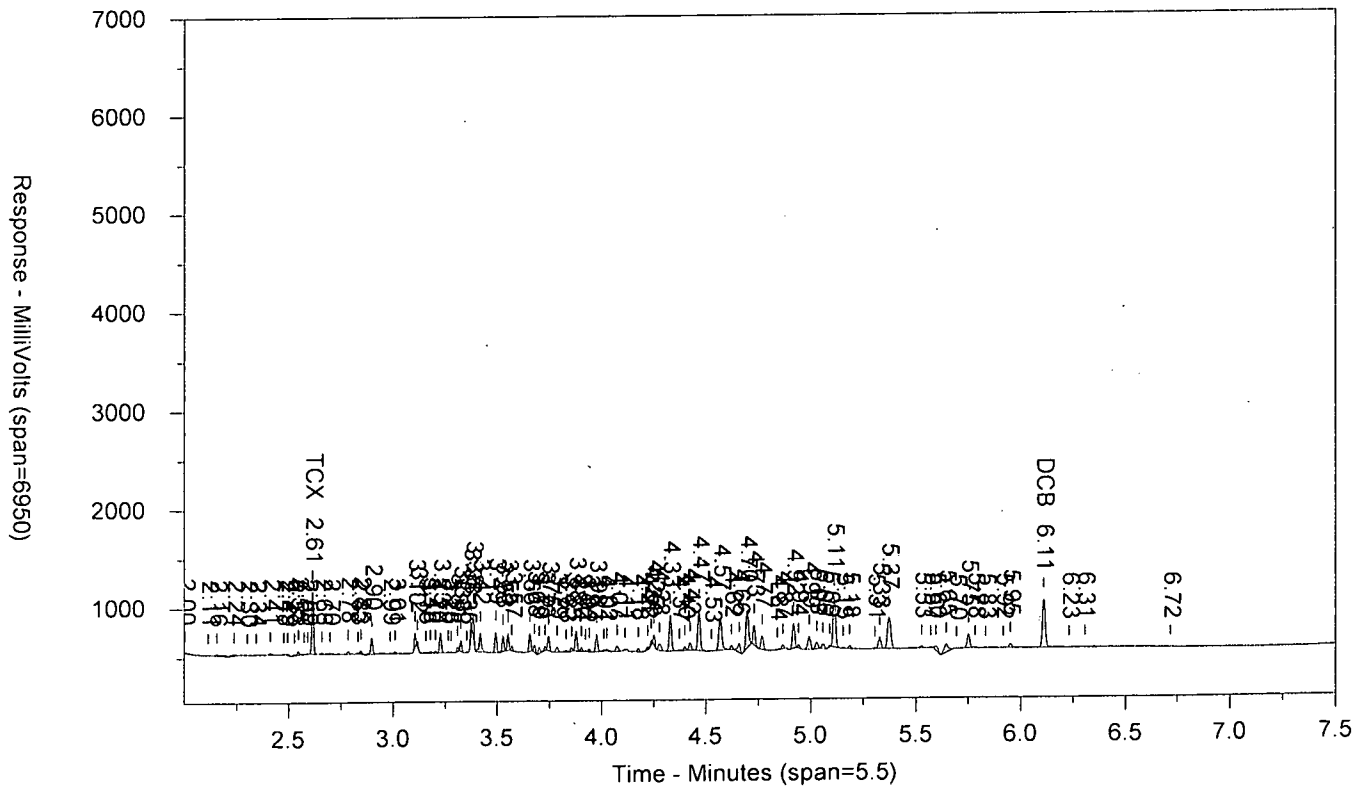

LANCASTER LABORATORIES

Sample Number: MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:40:56 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.924	104337	.918	TCX	2.615	634514	.918	TCX
6.616	73233	1.064	DCB	6.109	492123	1.01	DCB

Files:
Area File: 20pcbs17137001.028.RAW
Area File: 20pcbs17137001B.028.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 9:49:40 PM
File Reported On: 5/17/2017 at 9:49:47 PM

MD16X1724A AAMD16XAA ICAL 1713699999 10736 SW-846 8082

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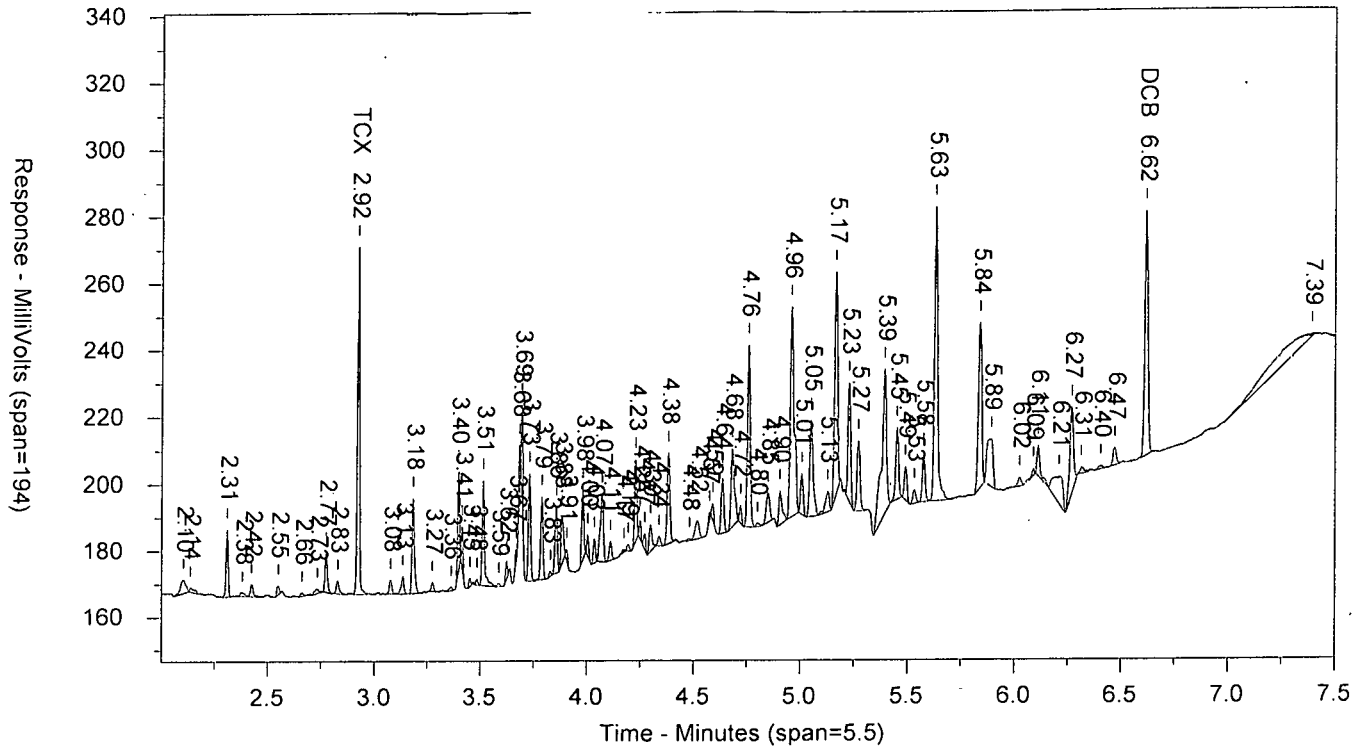

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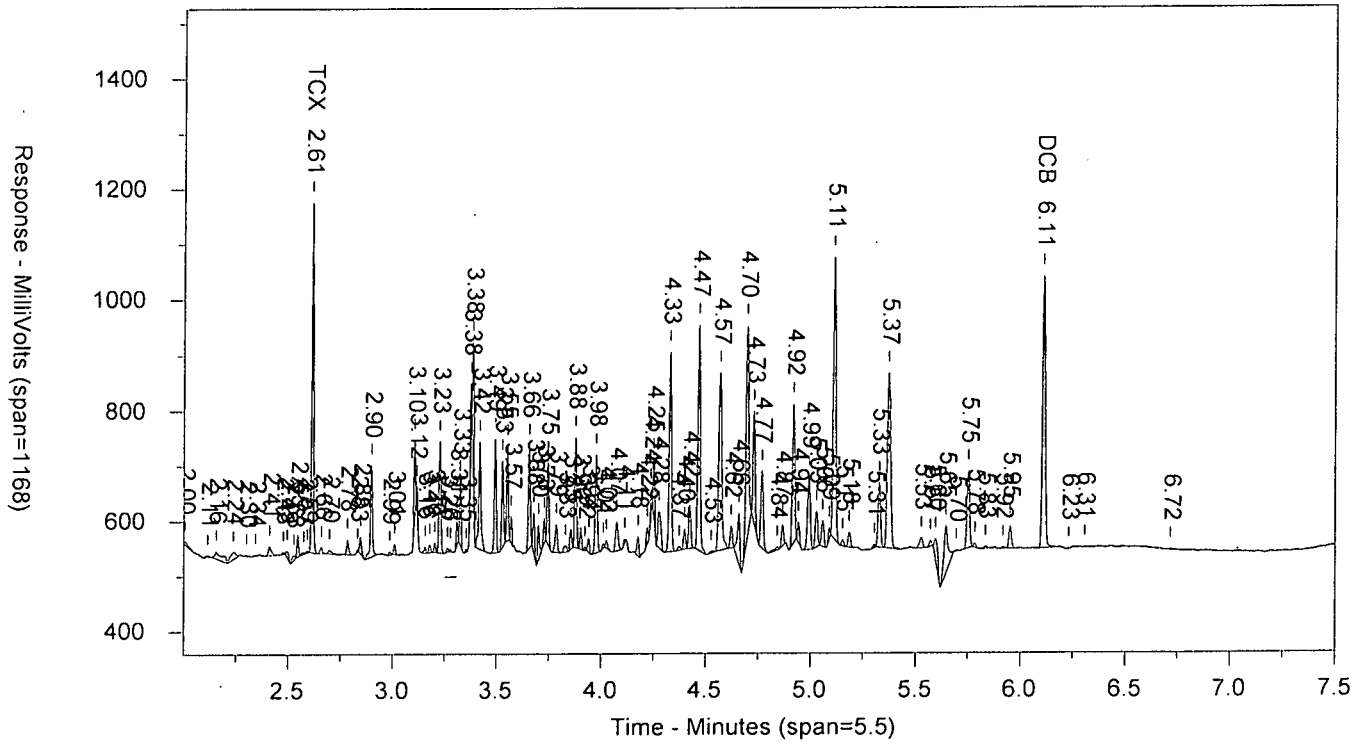

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.029.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.1		4145	7393
2.218		16329	12322
2.31		15571	9620
2.329		5136	2848
2.425		3178	2462
2.477		682	477
2.549		1336	802
2.565		4305	2706
2.662		1476	1269
2.722		1219	1494
2.774		19187	15104
2.827		3141	4168
2.924	TCX	4551063	3097022
3.027		1300	1089
3.077		83039	68084
3.133		95784	101172
3.182		413957	299018
3.255		8554	4764
3.275		58253	37747
3.315		2169	1553
3.397		441475	268126
3.414		200931	108215
3.451		51791	28920
3.466		16225	6763
3.483		35602	20736
3.513		477936	361818
3.548		1791	882
3.568		15852	9345
3.587		17790	10553
3.624		101206	56475
3.638		45944	22623
3.683		213347	117389
3.693		432008	222623
3.73		524621	403718
3.789		438907	337817
3.829		35479	25213
3.855		299635	223771
3.883		230688	197487
3.905		61746	33518
3.98		339457	248242
4.004		112799	73126
4.034		126128	90734
4.069		276720	296565
4.11		83987	67329
4.156		8080	5433
4.193		12491	9319
4.228		278314	217359
4.249		41931	22721
4.272		53194	36848
4.296		5011	3540
4.339		47497	40483
4.382		353620	319831
4.417		8058	5054
4.478		5336	4526

RT A	Compound A	Height A	Area A
4.518		75626	77681
4.575		22432	16064
4.589		89237	63378
4.635		209937	181477
4.681		365470	401217
4.718		84519	60221
4.757		811353	757113
4.799		14470	13208
4.847		104233	117864
4.88		24300	16962
4.905		135115	120639
4.957		914616	1167754
5.007		182793	164319
5.051		432552	482880
5.093		6392	3689
5.128		101935	126398
5.165		1057748	1147151
5.228		530716	479808
5.272		324601	317313
5.37		40906	40543
5.393		574254	513012
5.451		288129	287075
5.491		153608	136319
5.532		60338	57041
5.575		192782	189781
5.632		1436554	1545983
5.719		1630	1454
5.839		822771	837952
5.877		83157	90553
5.892		64520	41466
6.024		82656	82942
6.089		60810	45940
6.11		134248	110511
6.269		332981	335409
6.315		22389	21103
6.468		139690	145971
6.616	DCB	2535823	2688722
6.749		1530	1210
6.928		913	2541
7.074		1822	2632
7.366		996	29821
7.936		545	391
8.042		374	1596
8.259		609	2206
8.312		614	677
8.679		3250	3523

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.029.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.004		2031	1614
2.054		39027	25088
2.154		9637	11183
2.202		7431	3158
2.238		11306	24866
2.3		27691	19311
2.363		10712	9522
2.411		11060	12621
2.453		4274	2683
2.493		4184	4867
2.527		7091	5872
2.546		63717	39538
2.57		6048	3355
2.589		2261	1136
2.615	TCX	28492550	16492770
2.659		187694	130399
2.696		4728	5946
2.786		499892	333586
2.833		249664	115034
2.846		373180	183501
2.899		2304468	1411858
2.949		66527	39761
3.009		322351	200613
3.105		3059895	2910779
3.156		324246	205947
3.178		195573	109861
3.203		247132	135742
3.227		3037760	1956622
3.264		137142	84912
3.292		101802	48906
3.31		755081	396456
3.325		478599	237411
3.352		5799	2630
3.375		1893682	817239
3.385		3433151	1490273
3.405		121398	48762
3.419		2958058	1915810
3.493		3505199	2106020
3.528		2204346	1354987
3.552		2625198	1427468
3.57		781834	400828
3.656		2817777	1834185
3.678		1019792	535067
3.699		942233	542867
3.728		663838	337417
3.745		1940989	1077435
3.786		621078	438756
3.833		131300	119734
3.855		267377	167491
3.877		2257443	1485614
3.902		343667	203551
3.923		48229	22951
3.941		309922	187917
3.976		2259513	1542534

RT B	Compound B	Height B	Area B
4.01		112149	68577
4.025		153732	97275
4.073		42070	27066
4.112		369094	377199
4.154		35386	20837
4.177		556668	378318
4.22		595693	363388
4.238		396997	197630
4.251		1733271	981147
4.277		1003132	995926
4.329		5612597	4135813
4.372		115793	110012
4.399		387839	257561
4.423		1141861	807237
4.442		39685	14346
4.466		6334442	4707600
4.518		3792	2124
4.569		5133244	4908144
4.622		648667	541488
4.66		1451879	1276893
4.697		6161358	5131987
4.729		3278786	2279513
4.767		2237805	1690688
4.829		8065	9237
4.867		794830	763743
4.918		4212881	3299150
4.942		452315	287772
4.992		2107478	1945486
5.028		1036344	831428
5.059		841636	746072
5.09		262451	155070
5.112		9220518	7486408
5.153		180800	138445
5.186		626744	538893
5.304		106323	64997
5.328		1888249	1567116
5.373		6206865	6538494
5.49		5643	3494
5.528		565995	498753
5.572		134535	92914
5.596		505308	412923
5.645		1141401	993373
5.752		2288098	1926846
5.783		125352	91151
5.951		954898	841165
6.003		3244	1855
6.067		3491	2388
6.11	DCB	17578490	16215750
6.288		10422	18386
6.343		3440	4073
6.562		13078	14394
7.552		1731	3028
7.68		1743	2044
8.223		16889	32104
8.305		1474	1191

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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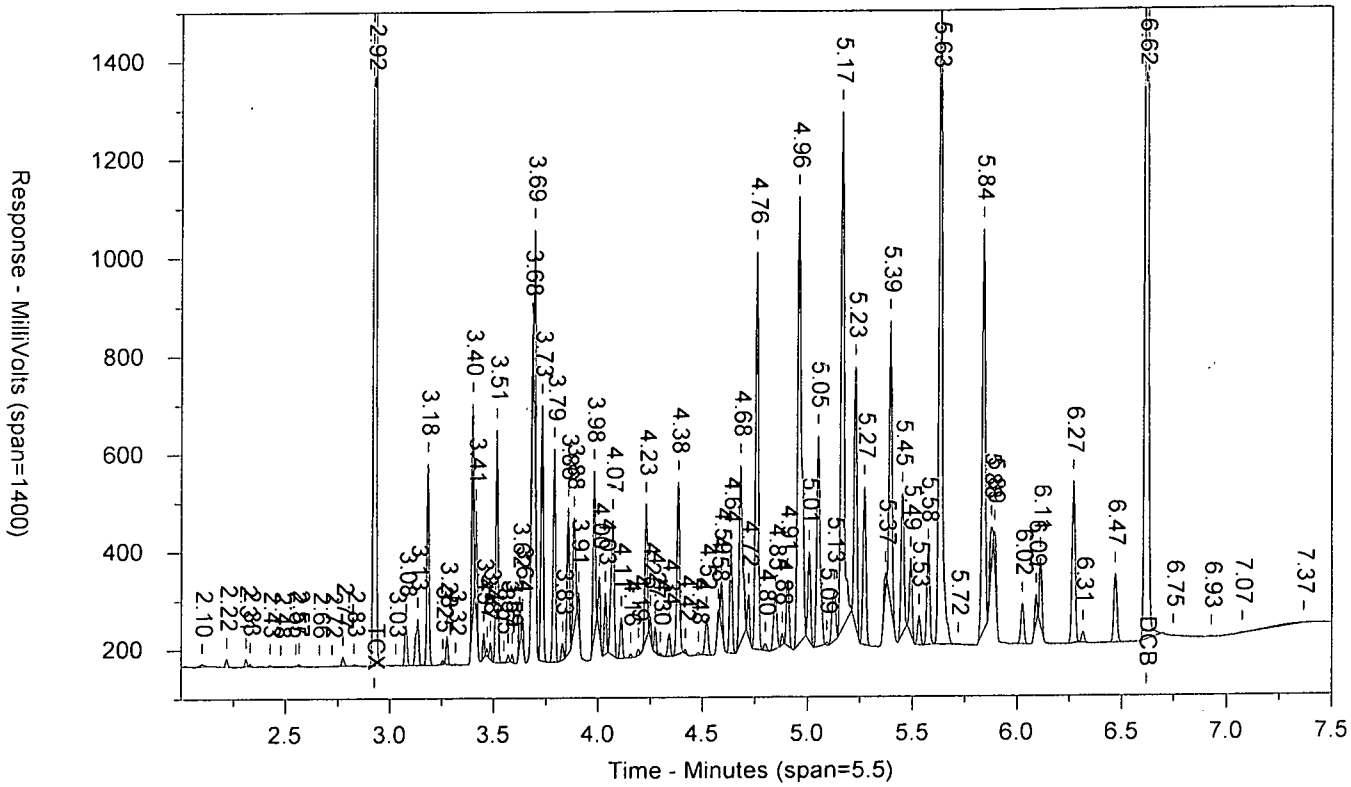

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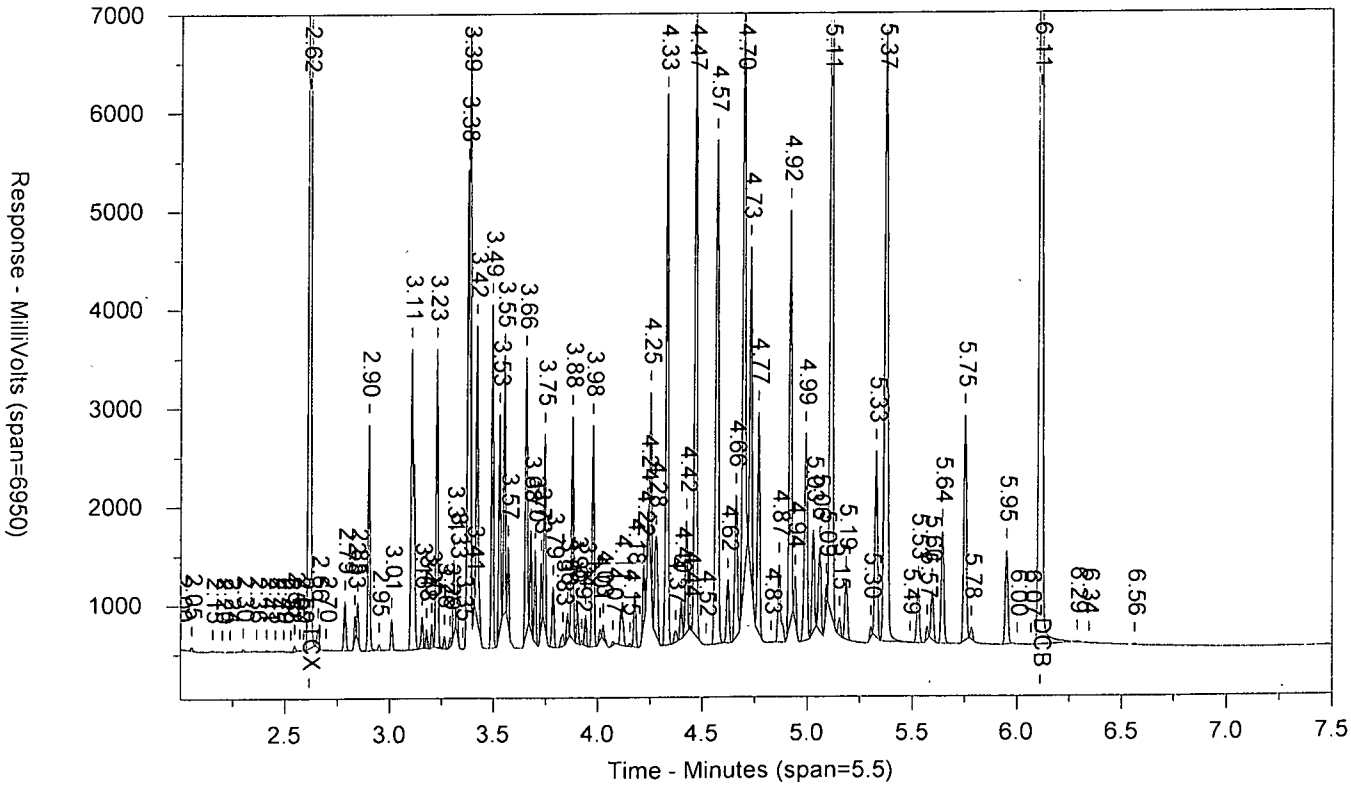

LANCASTER LABORATORIES

Sample Number: IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 9:52:27 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.924	4551063	40.048	TCX	2.615	28492550	41.215	TCX
6.616	2535823	36.849	DCB	6.11	17578490	36.082	DCB

Files:
Area File: 20pcbs17137001.029.RAW
Area File: 20pcbs17137001B.029.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:01:12 PM
File Reported On: 5/17/2017 at 10:01:19 PM

IC16X1724A AAIC16XAA CCAL 1713699999 10736 SW-846 8082

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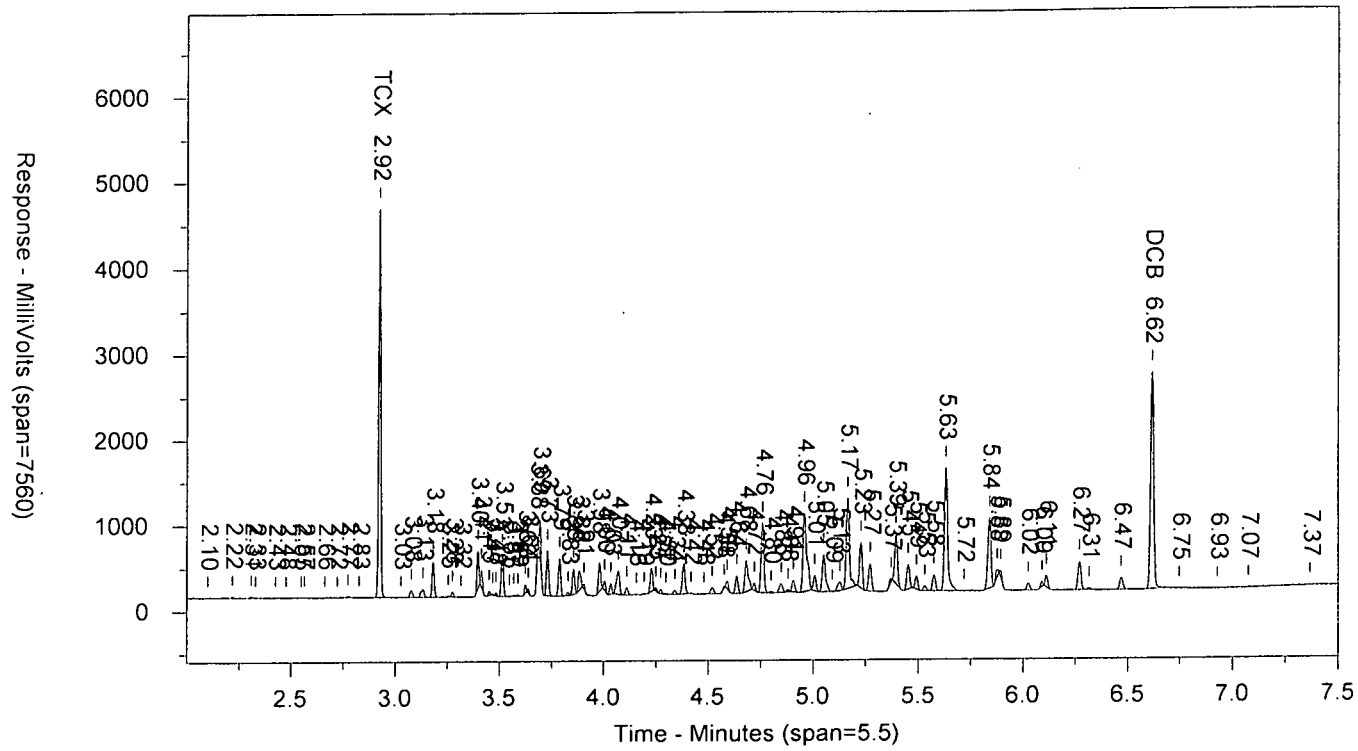

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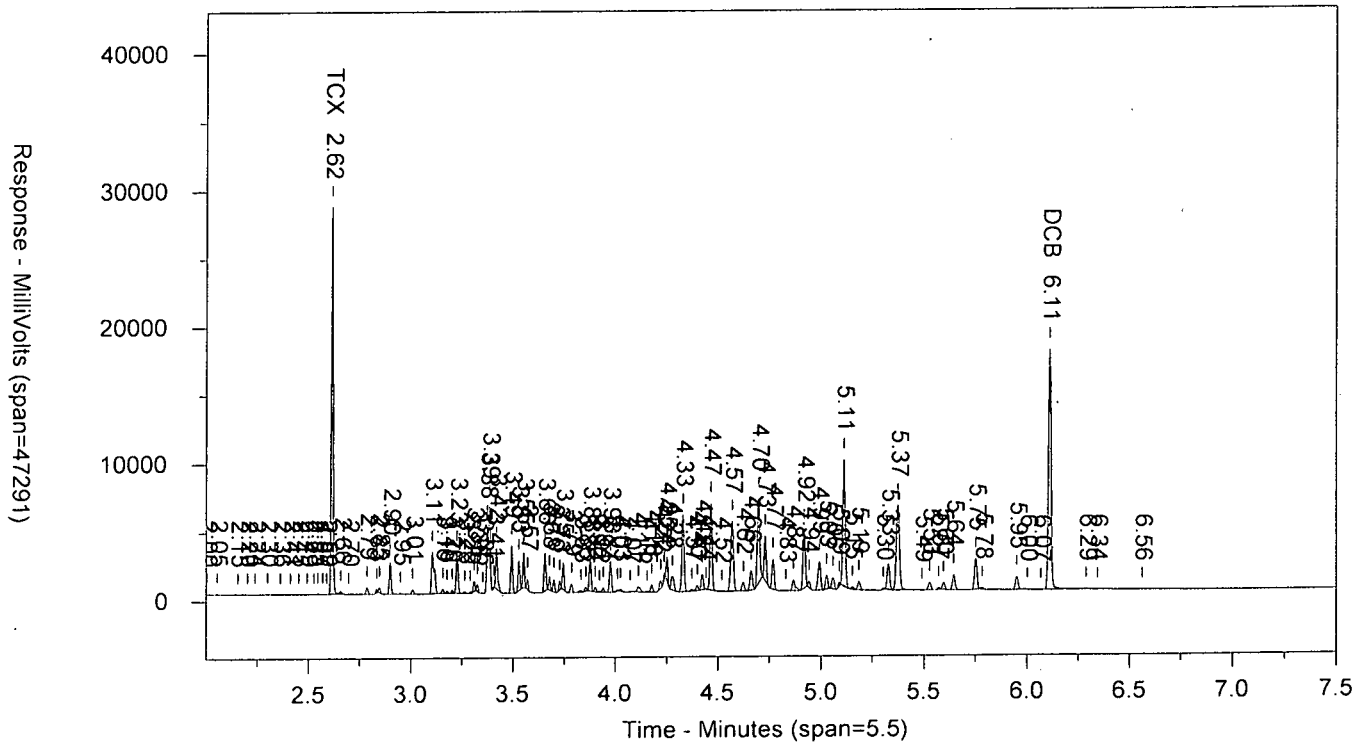

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.030.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		5699	11729
2.218		15839	11993
2.31		26424	16117
2.329		4749	2434
2.425		3699	2888
2.461		1015	1816
2.504		1214	824
2.551		1792	1273
2.568		1119	617
2.774		24697	20662
2.83		3005	2835
2.924	TCX	4670822	3112688
3.011		1011	455
3.078		17019	14495
3.123		61768	47158
3.182		67573	47290
3.254		9214	5427
3.275		13748	8640
3.397		216984	132408
3.414		60198	31898
3.451		13230	7593
3.467		4670	2140
3.483		2607	1352
3.514		185744	140699
3.569		16545	9272
3.587		13304	7723
3.624		35009	20169
3.638		8116	3713
3.683		164778	89431
3.694		155074	78604
3.73		233498	185672
3.788		228655	183968
3.829		36509	25209
3.856		422380	311718
3.882		276602	228113
3.905		91117	50228
3.98		487449	361536
4.004		137486	88978
4.034		179679	130271
4.07		437553	402626
4.11		148088	115578
4.156		15570	12124
4.195		42958	36990
4.228		409490	285788
4.249		504872	331505
4.272		559698	403331
4.339		51076	46814
4.378		481994	418729
4.4		124790	67493
4.416		67294	37840
4.457		8487	5563
4.479		27675	21943
4.522		147163	137185
4.574		220103	188411

RT A	Compound A	Height A	Area A
4.605		128116	94872
4.635		370920	326558
4.68		4021	2759
4.72		149165	131081
4.757		26934	33569
4.808		37186	32815
4.85		249869	235021
4.88		14927	11176
4.929		21153	25154
4.957		16563	11171
4.974		14648	9995
5.007		1762	1487
5.05		249636	241666
5.092		5152	3898
5.12		38392	38231
5.166		57734	54684
5.205		5316	3437
5.271		1666	1231
5.376		25033	31672
5.452		2295	1769
5.472		1047	599
5.531		29311	28817
5.575		11706	11001
5.601		2582	1671
5.652		52811	61163
5.837		8910	9630
5.881		2455	3745
6.023		57077	57591
6.058		841	428
6.088		58445	51718
6.11		9729	6860
6.269		2045	1780
6.333		3308	3746
6.394		1014	1049
6.469		35272	36479
6.614	DCB	2599218	2640538
7.073		2158	2743
7.384		995	35518
8.048		708	679
8.26		455	1025
8.682		3598	4551

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.030.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		4566	3995
2.054		48370	59889
2.118		12201	31041
2.156		9722	8504
2.203		11605	5430
2.238		11976	17842
2.273		3344	3748
2.301		4143	3803
2.368		1640	1551
2.411		11919	14148
2.477		3673	2743
2.547		74267	45740
2.571		2777	1850
2.615	TCX	28874900	16630890
2.659		18640	9314
2.704		11286	9031
2.787		112745	79835
2.833		365177	250986
2.899		357208	233817
2.949		70899	40916
2.984		2217	1322
3.01		85953	52431
3.106		1429669	1234427
3.157		90785	52767
3.178		58744	35659
3.203		28398	14940
3.227		1162137	768872
3.265		108594	66149
3.292		112278	57964
3.31		235762	119534
3.326		246238	129225
3.352		3063	1379
3.385		2874083	3150144
3.406		256313	109567
3.419		1158385	703721
3.494		1856379	1134735
3.529		3171716	1907711
3.552		2981381	1645904
3.57		986457	502050
3.656		4027090	2517047
3.678		1207439	652251
3.7		1241430	757492
3.729		632548	313698
3.745		2953178	1681835
3.786		1077676	754721
3.833		227977	190642
3.855		2343196	1426325
3.878		5638245	3511222
3.903		4046498	2476343
3.922		296772	146527
3.941		274610	154064
3.977		1561507	1097562
4.011		2844540	2116021
4.039		1600916	879574

RT B	Compound B	Height B	Area B
4.086		212159	187035
4.121		965383	720037
4.153		18178	9461
4.178		1596694	1175299
4.21		958765	656671
4.238		2456050	1783526
4.276		43156	39569
4.316		48412	29918
4.331		837631	600239
4.367		253342	184913
4.399		1634433	1220287
4.423		41349	19132
4.442		96960	61178
4.466		159838	102613
4.491		132991	94958
4.565		232409	234900
4.618		1604069	1281938
4.67		199702	189706
4.697		412022	357279
4.744		46952	32327
4.768		9192	7050
4.841		10707	19808
4.884		21112	17977
4.918		24118	16574
4.942		150408	118913
4.987		25357	28498
5.027		10430	6995
5.063		170850	132520
5.089		63427	43271
5.112		31787	20771
5.157		9547	6628
5.186		351372	307670
5.305		2150	1362
5.328		18894	15861
5.371		51515	53786
5.446		1799	1164
5.527		402473	352402
5.596		475819	417419
5.645		150937	136841
5.751		11138	9351
5.951		254951	212555
5.981		4576	3000
6.005		2945	1952
6.071		2138	1649
6.11	DCB	18498500	15732180
6.302		3108	2386
6.561		14401	18084
7.309		1790	2024
7.483		1824	2569
7.553		1792	3545
7.785		2101	9732
8.22		16520	29425

IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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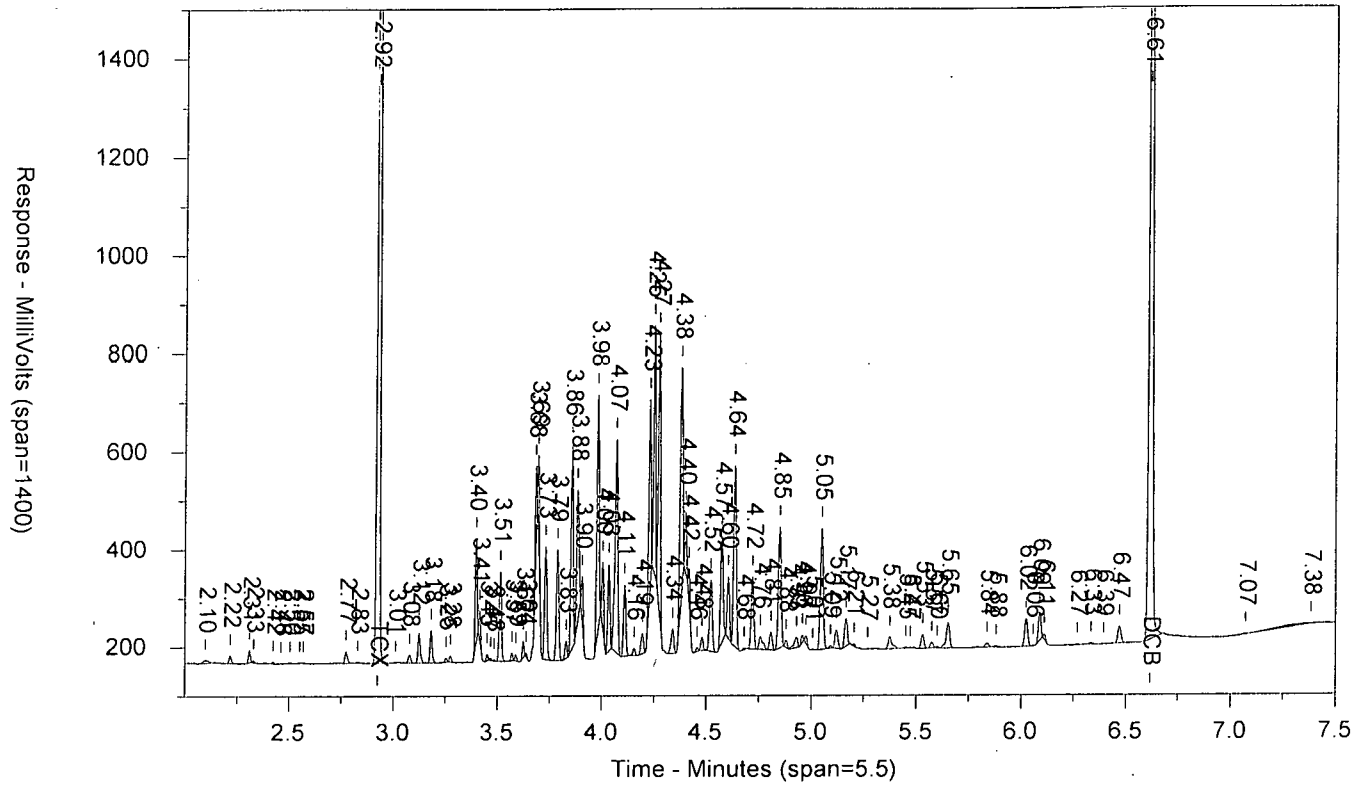

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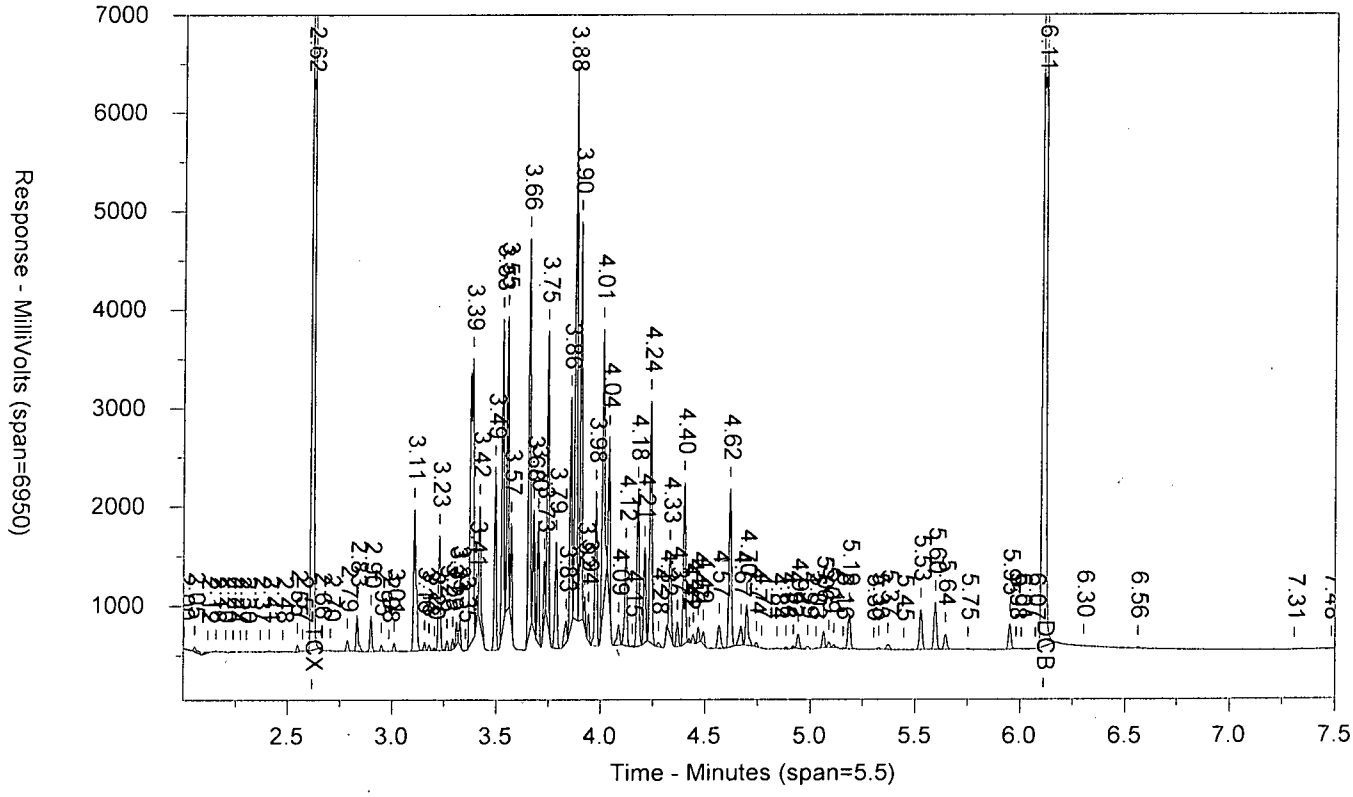

LANCASTER LABORATORIES

Sample Number: IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:03:57 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.924	4670822	41.102	TCX	2.615	28874900	41.768	TCX
6.614	2599218	37.77	DCB	6.11	18498500	37.971	DCB

Files:
Area File: 20pcbs17137001.030.RAW
Area File: 20pcbs17137001B.030.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:12:41 PM
File Reported On: 5/17/2017 at 10:12:49 PM

IC48X1724A AAIC48XAA CCAL 1713699999 10736 SW-846 8082

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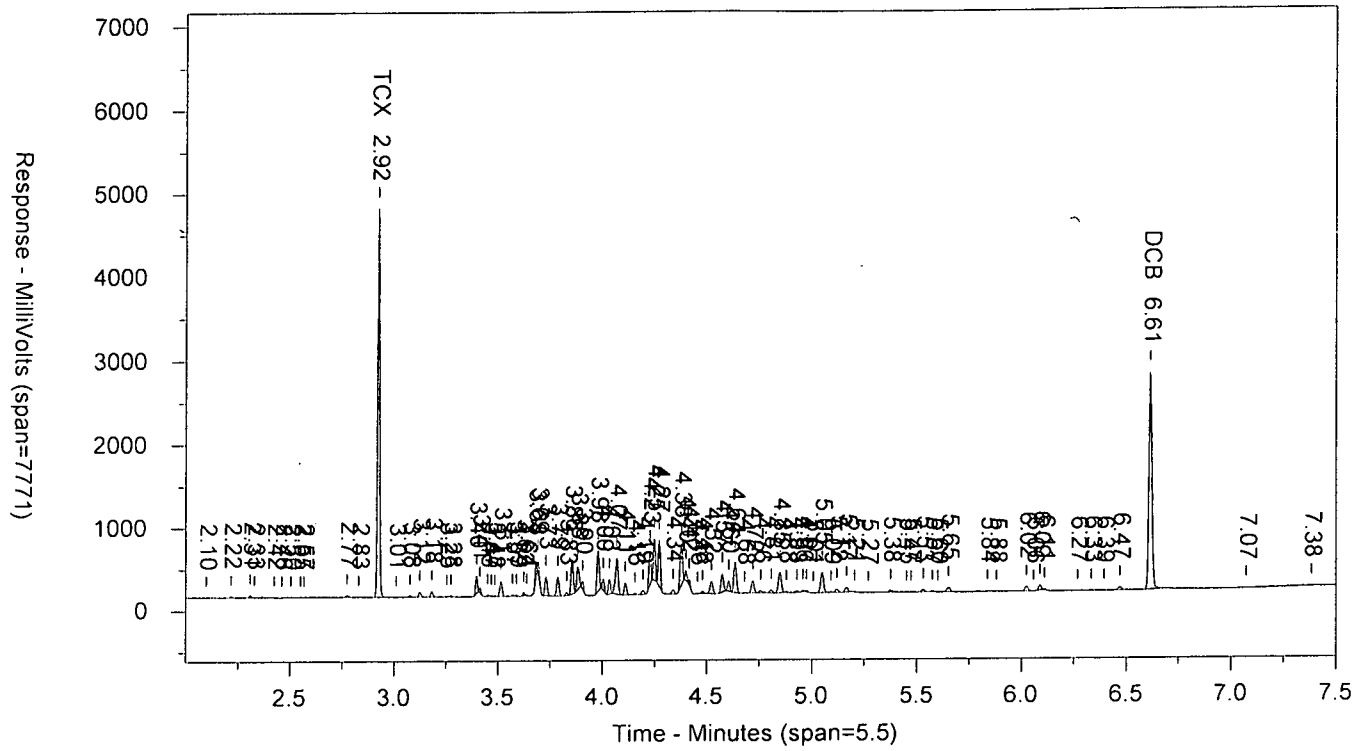

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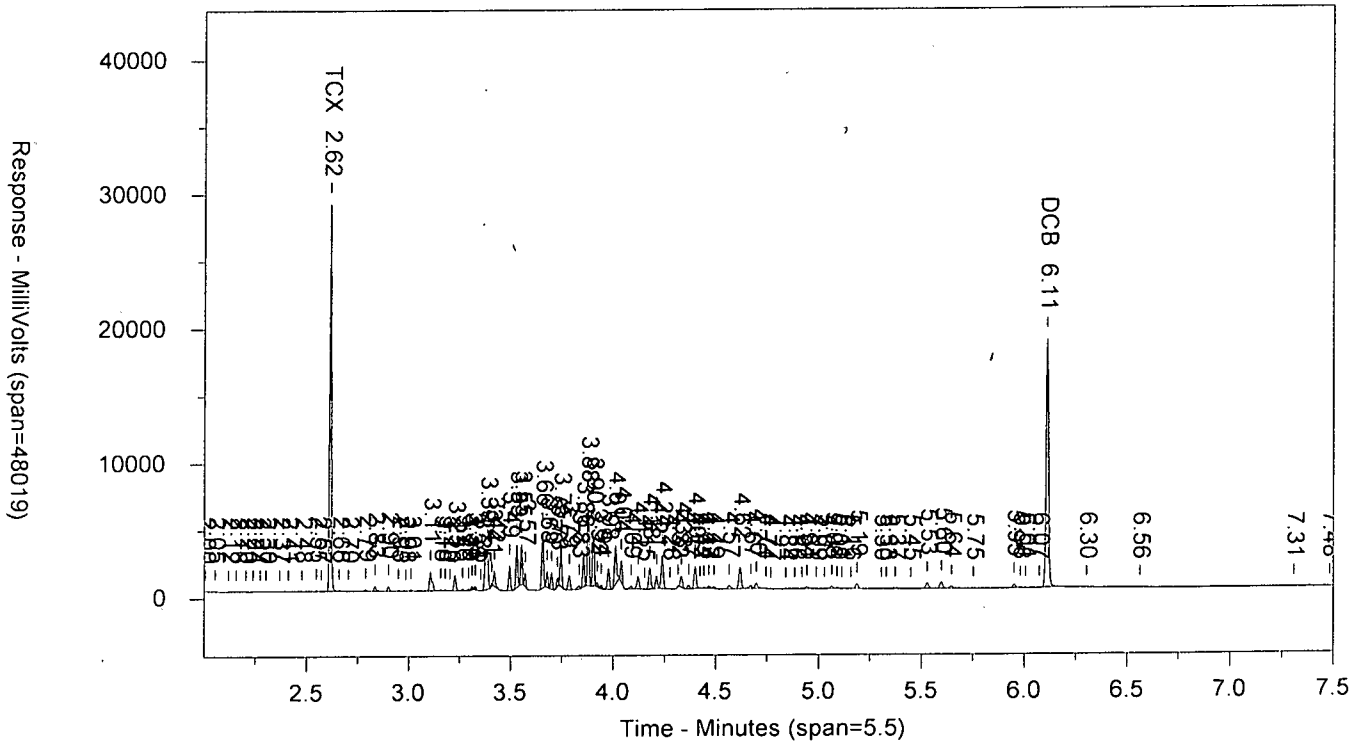

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137001.031.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.099		7098	11418
2.218		8330	6783
2.31		10224	6594
2.329		2529	1336
2.425		1874	1819
2.552		1290	2535
2.657		801	1560
2.774		32482	27245
2.828		2117	2013
2.924	TCX	2285469	1522363
3.076		4536	3831
3.124		31705	20928
3.182		10671	9043
3.255		4669	2804
3.397		19519	12079
3.414		5211	2815
3.467		6128	5832
3.513		14972	10228
3.569		6843	4095
3.588		13617	8384
3.624		2525	1730
3.682		11020	5521
3.695		7876	6645
3.731		41933	30843
3.787		16816	13008
3.828		2267	1414
3.856		397300	303164
3.883		111826	103964
3.979		253718	194700
4.004		14800	8165
4.035		28621	20171
4.069		114458	109348
4.11		23403	18267
4.138		1540	874
4.156		4686	2935
4.19		21271	16421
4.229		662635	490059
4.249		293716	173837
4.273		188493	142462
4.34		195418	161882
4.381		1085644	1042662
4.417		356426	295424
4.457		14119	9166
4.479		65286	51512
4.522		371516	328526
4.574		686872	616932
4.605		166598	108521
4.636		1401741	1211992
4.681		61117	42861
4.694		28359	14830
4.719		189888	154803
4.757		421630	423877
4.808		88192	76149
4.85		928203	870896

RT A	Compound A	Height A	Area A
4.878		18534	10535
4.905		87752	71041
4.929		17785	10364
4.957		325786	236436
4.974		137233	85412
5.007		11609	8969
5.05		732295	694114
5.093		78148	61974
5.119		83419	116964
5.166		953095	838170
5.188		38055	17713
5.204		22557	14146
5.228		21360	15201
5.271		30711	26316
5.376		309249	398039
5.425		1917	938
5.451		36952	33706
5.491		33791	30323
5.531		19196	18876
5.575		165300	156092
5.602		23982	16128
5.632		129790	149768
5.84		110749	106559
5.871		17157	18024
6.024		30198	31528
6.089		35609	30360
6.11		7522	4900
6.269		6229	6068
6.397		834	521
6.469		18562	19361
6.614	DCB	1267488	1343171
6.94		576	2260
7.457		6028	145215
8.242		853	1220
8.42		942	3036
8.681		2990	3763

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137001B.031.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		8687	9036
2.054		19510	12684
2.155		9361	29380
2.243		12982	32442
2.357		3837	4261
2.41		4162	2688
2.453		3253	2312
2.477		4619	24567
2.547		99741	80967
2.615	TCX	14261130	8161377
2.739		2450	2057
2.787		21734	16483
2.833		191372	125073
2.899		63458	53314
2.949		35258	20419
2.987		2292	1234
3.01		9680	7250
3.106		136035	138977
3.179		47678	30550
3.203		5520	2509
3.228		99929	63710
3.265		109399	66001
3.292		60423	32249
3.311		20360	9371
3.326		60875	33582
3.376		160765	165859
3.406		49347	22834
3.42		180359	132153
3.494		147119	92815
3.528		3005385	1813061
3.552		997978	581766
3.57		95239	40828
3.587		20108	9915
3.656		1914618	1193657
3.678		155239	79024
3.7		228388	151491
3.729		194174	96598
3.745		685766	394409
3.785		201440	149396
3.825		156773	146060
3.855		651648	378225
3.878		7402528	4694650
3.902		748345	428751
3.922		689461	377506
3.941		1162877	698746
3.976		6307564	4241659
4.008		2426383	1501906
4.025		1434197	766275
4.086		478622	371864
4.121		2336316	1774735
4.178		5129437	3746212
4.211		1416893	996456
4.239		8742960	6470207
4.276		631778	611346

RT B	Compound B	Height B	Area B
4.33		4212095	3475363
4.367		634281	469649
4.399		5835235	4141655
4.423		862417	548107
4.466		3505994	2547704
4.491		162865	97558
4.566		3121899	2985743
4.618		4136349	3269422
4.658		964427	846487
4.697		6392117	6072525
4.744		461596	295749
4.768		201952	141782
4.827		73735	82163
4.884		315209	280581
4.918		300816	208347
4.942		1867441	1465418
4.992		244800	207236
5.028		198831	161819
5.061		160295	137710
5.09		909573	668435
5.112		639746	559645
5.153		15617	8687
5.186		195803	173116
5.248		3196	2559
5.301		3297	1753
5.327		31690	25901
5.37		756608	777371
5.528		206510	180862
5.573		24533	17154
5.596		233024	188332
5.645		101099	89389
5.751		39872	33475
5.95		125828	102865
6.11	DCB	8886612	8047574
6.235		3305	4459
6.282		3239	2928
6.562		6463	6145
7.545		2430	2987
7.687		1496	8713
7.812		1769	3873
7.859		2414	4305
8.215		17156	32850

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

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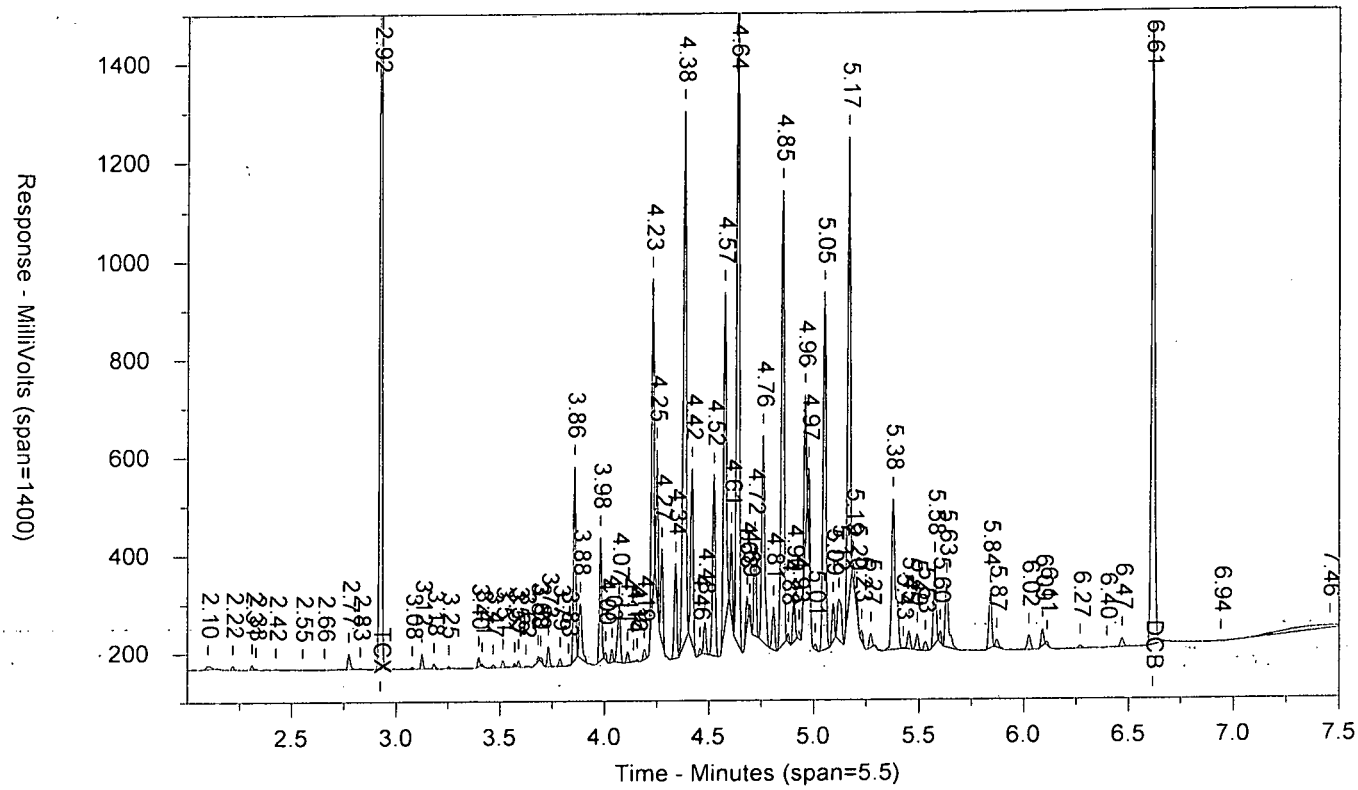

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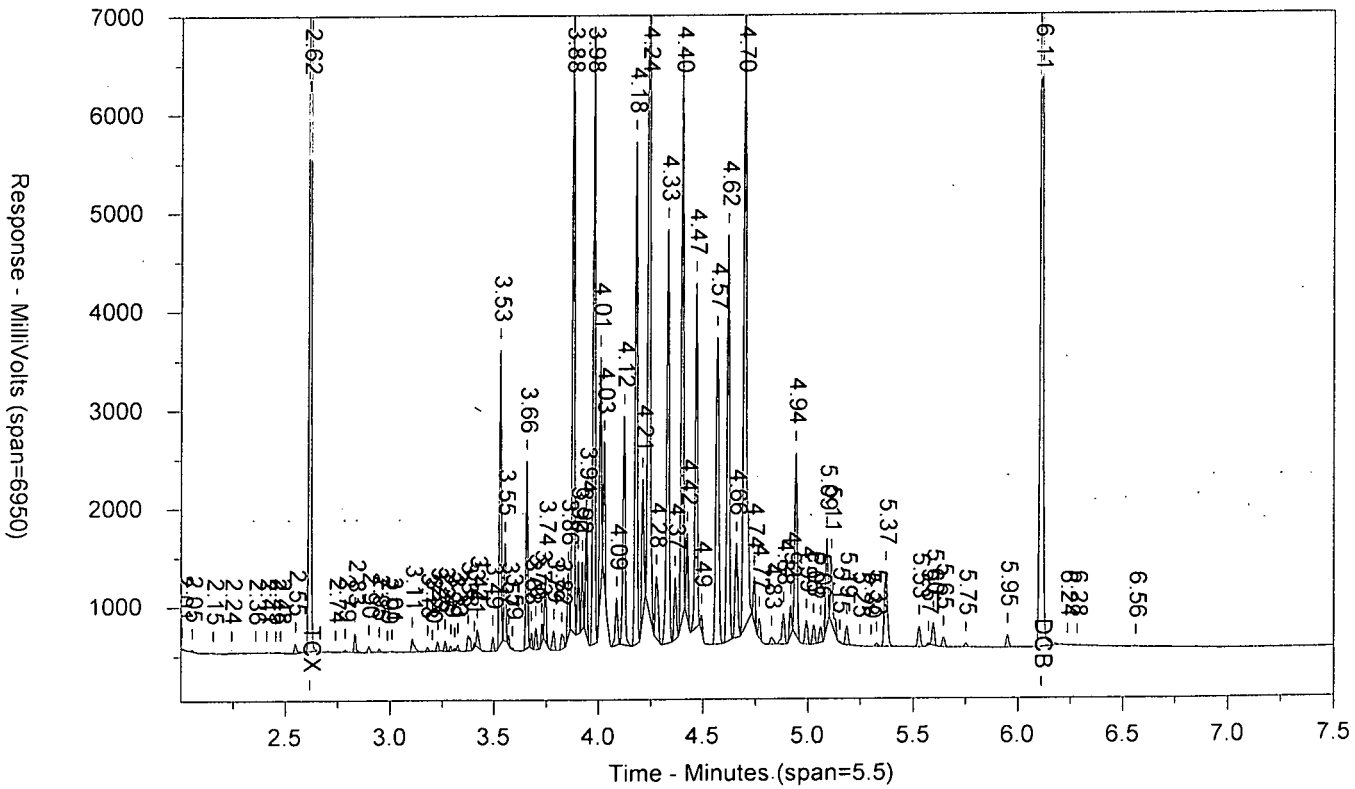


LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082
Injected On: 5/17/2017 10:15:30 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
Calibration Type: external
Quantitation: Height

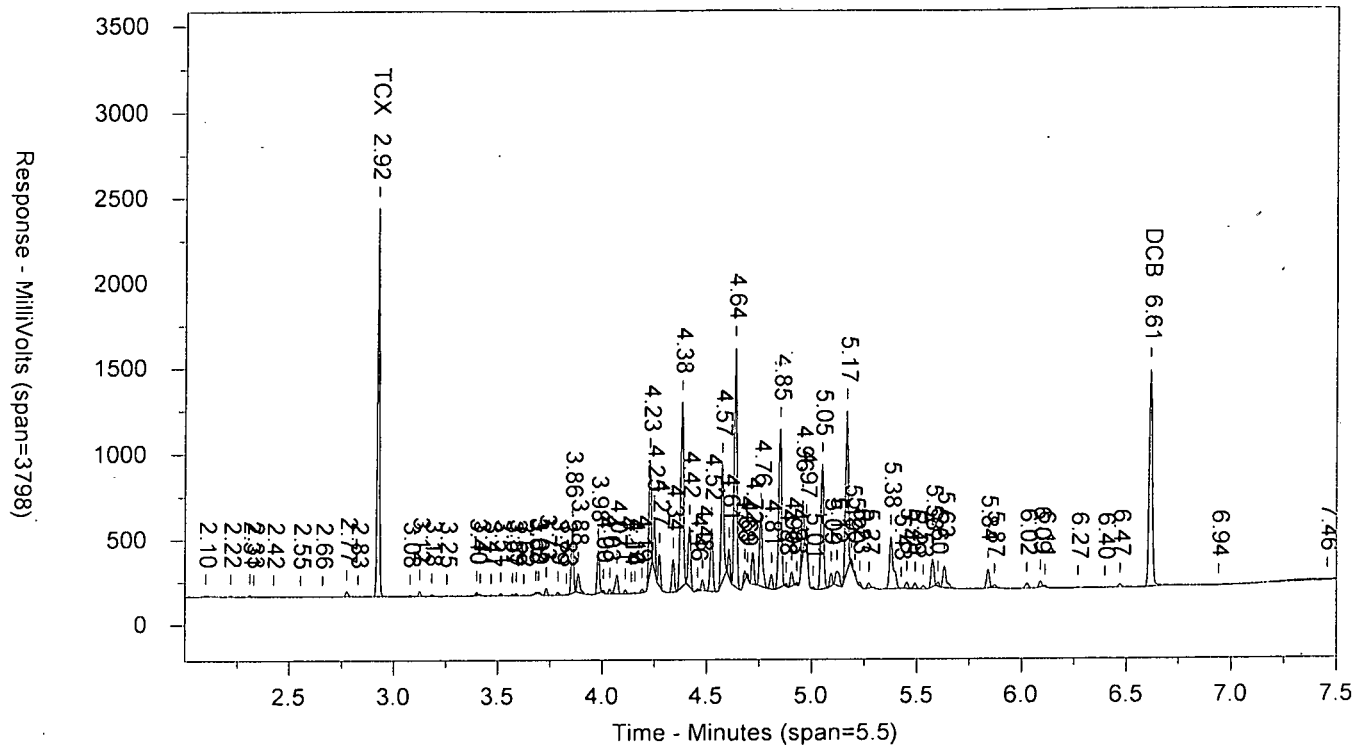
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.924	2285469	20.111	TCX	2.615	14261130	20.629	TCX
6.614	1267488	18.418	DCB	6.11	8886612	18.241	DCB

Files:
Area File: 20pcbs17137001.031.RAW
Area File: 20pcbs17137001B.031.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/17/2017 10:24:13 PM
File Reported On: 5/17/2017 at 10:24:19 PM

IC54X1724A AAIC54XAA CCAL 1713699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137001.031.RAW



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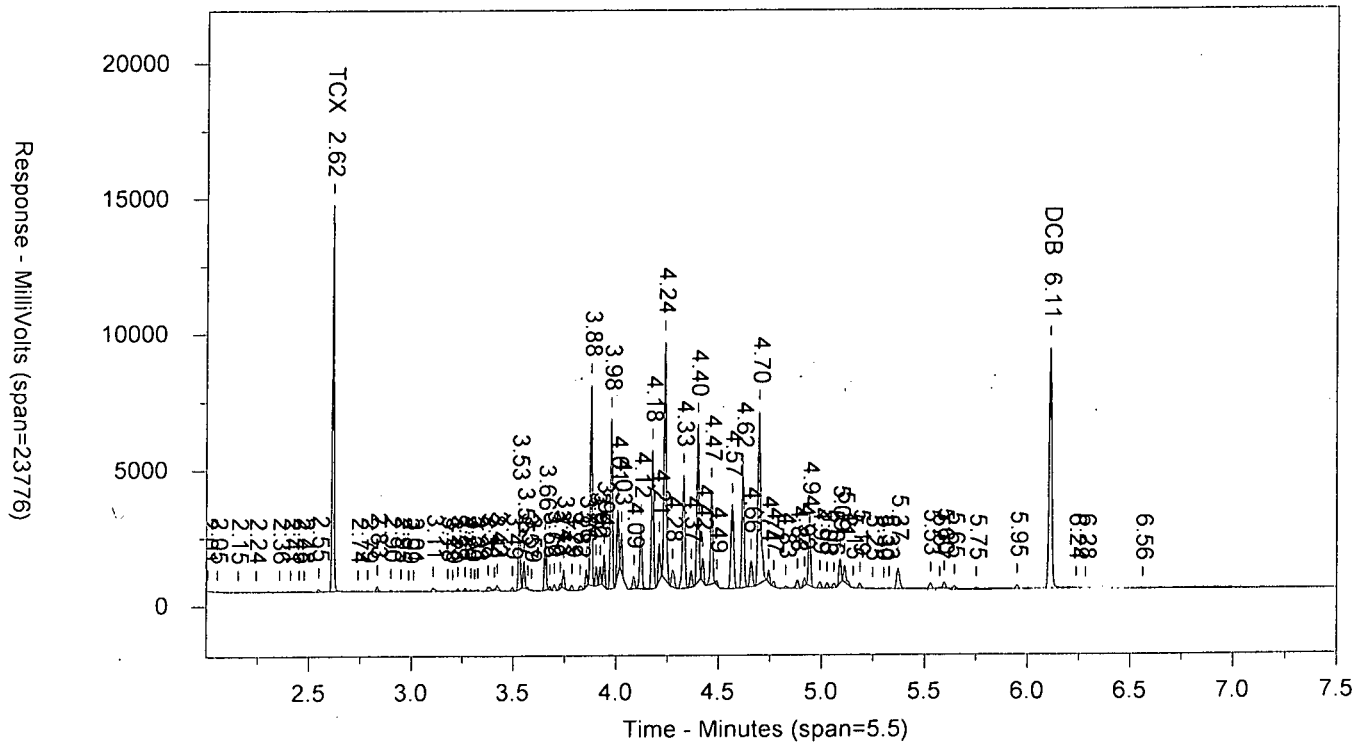

LANCASTER LABORATORIES

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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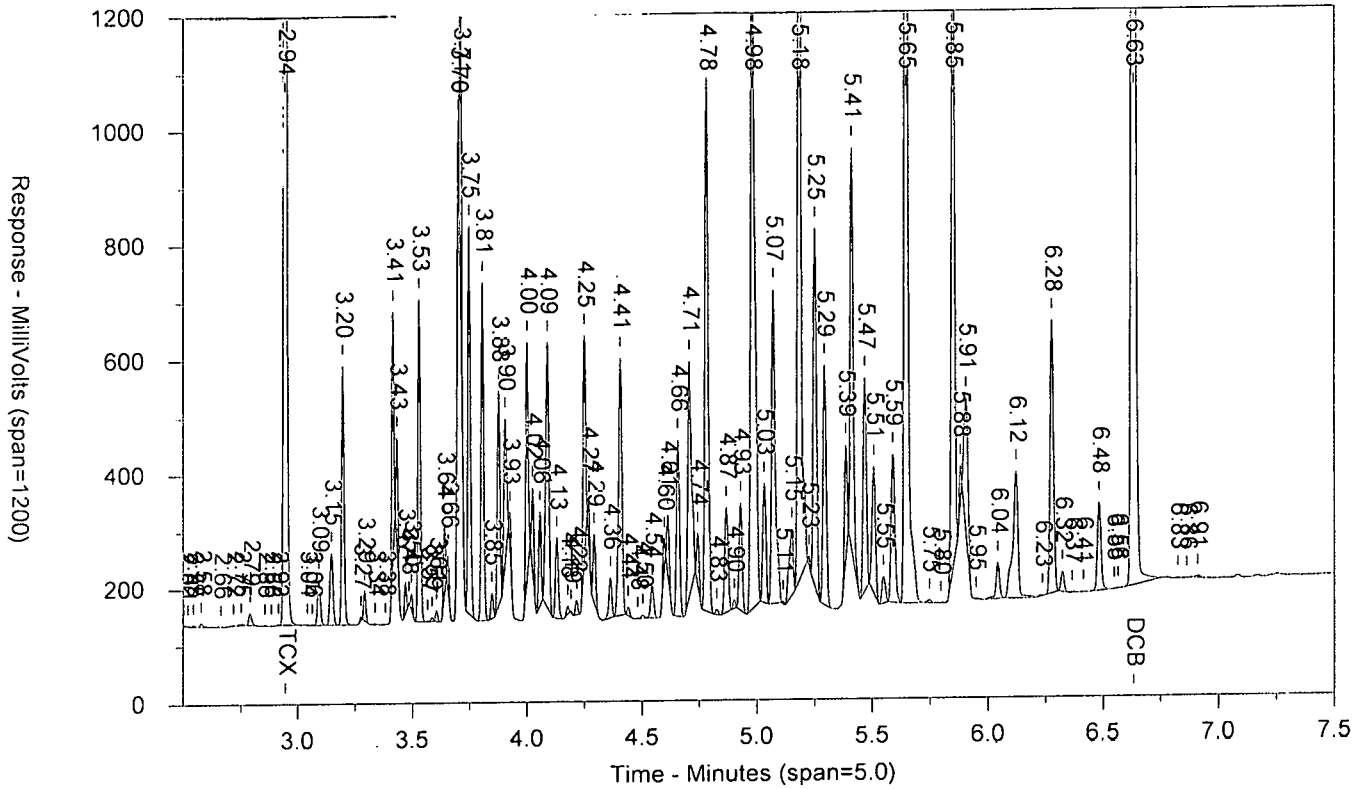

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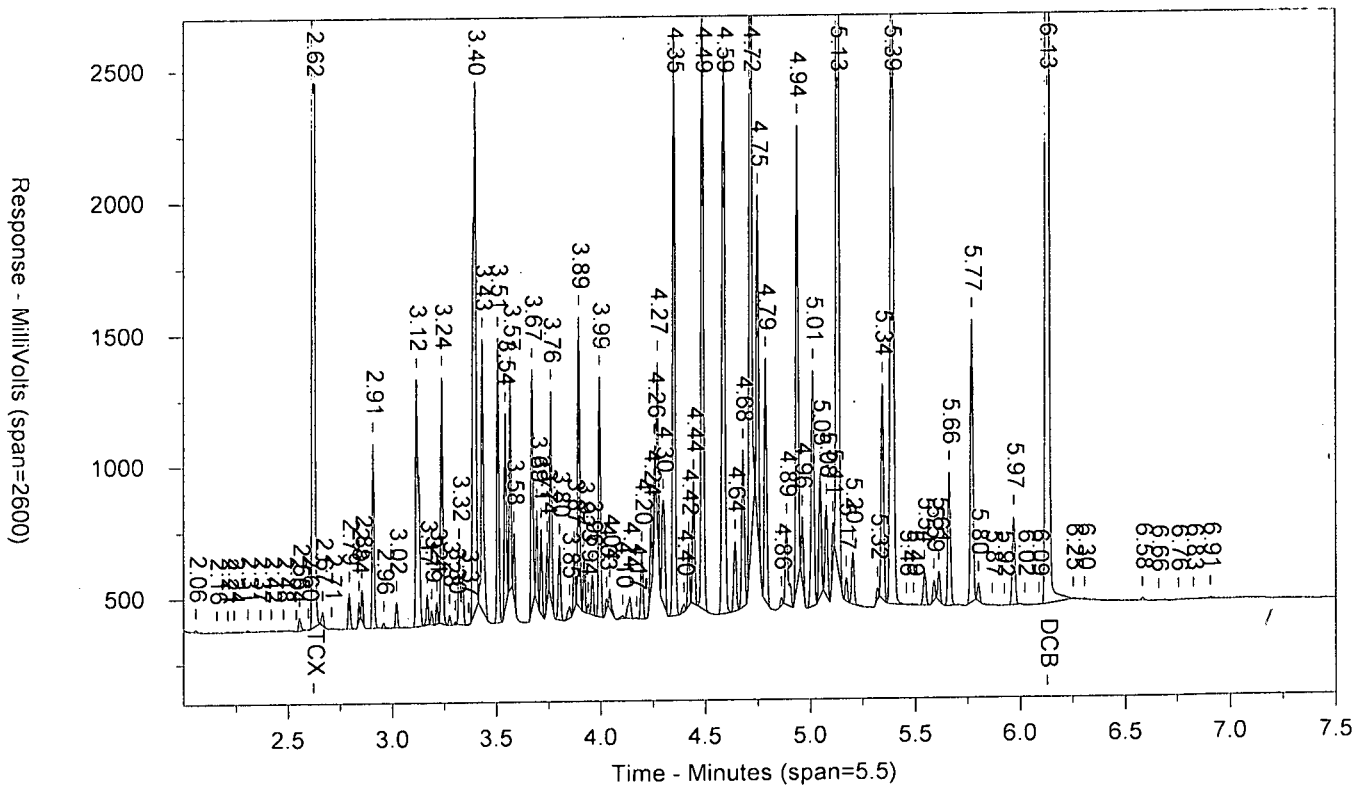

LANCASTER LABORATORIES

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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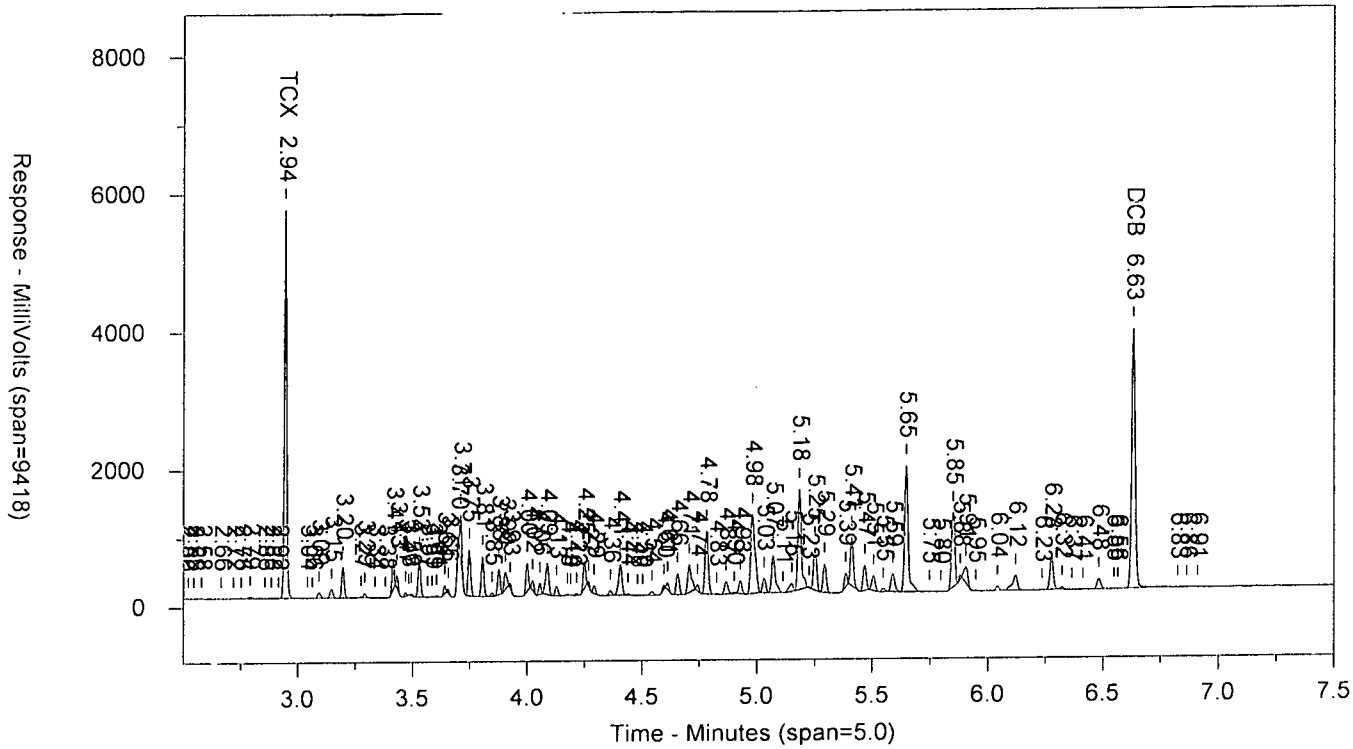

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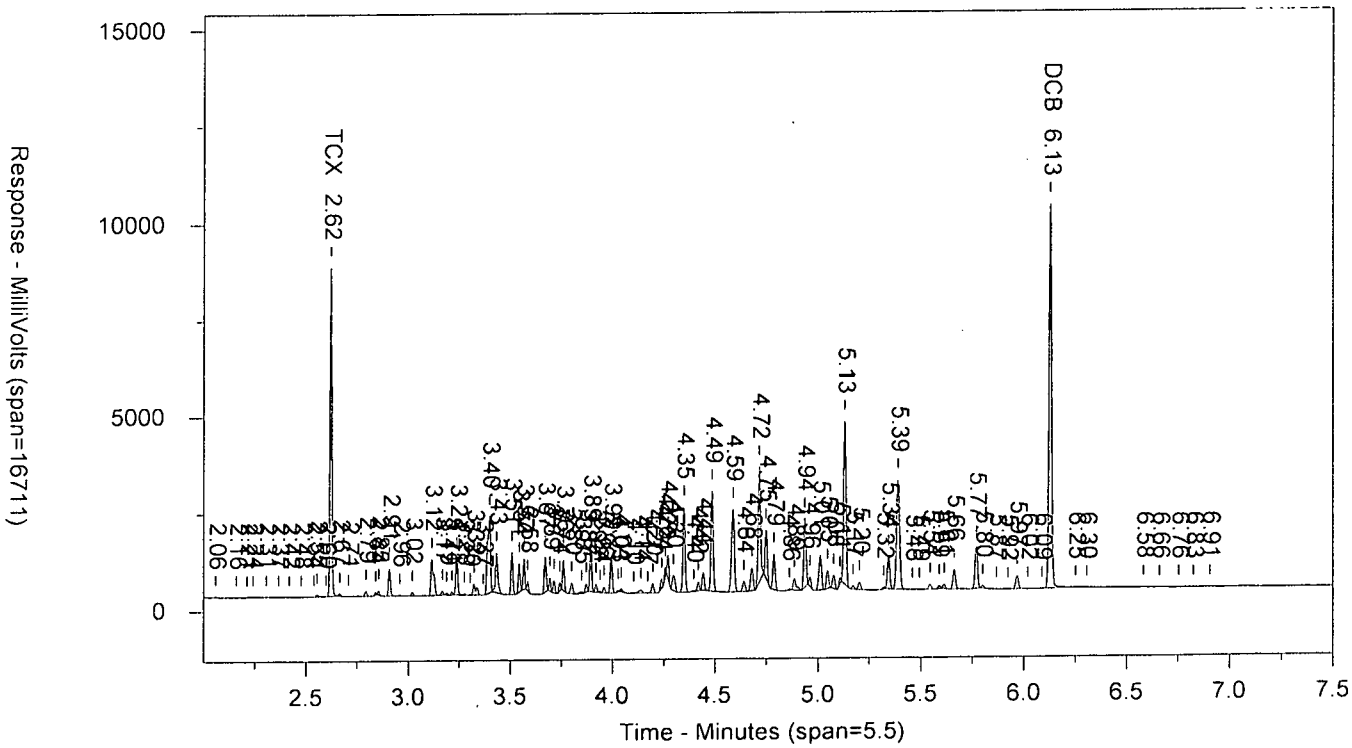

LANCASTER LABORATORIES

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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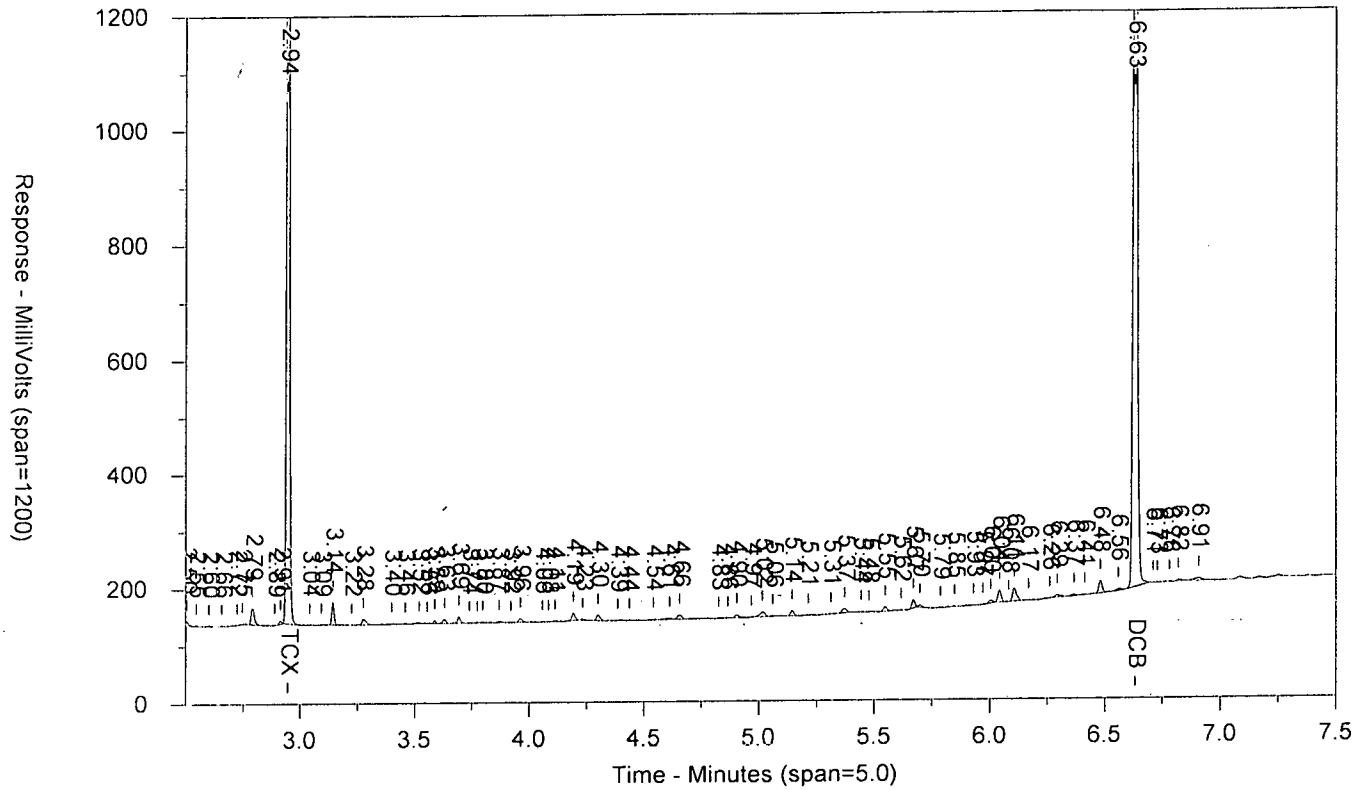

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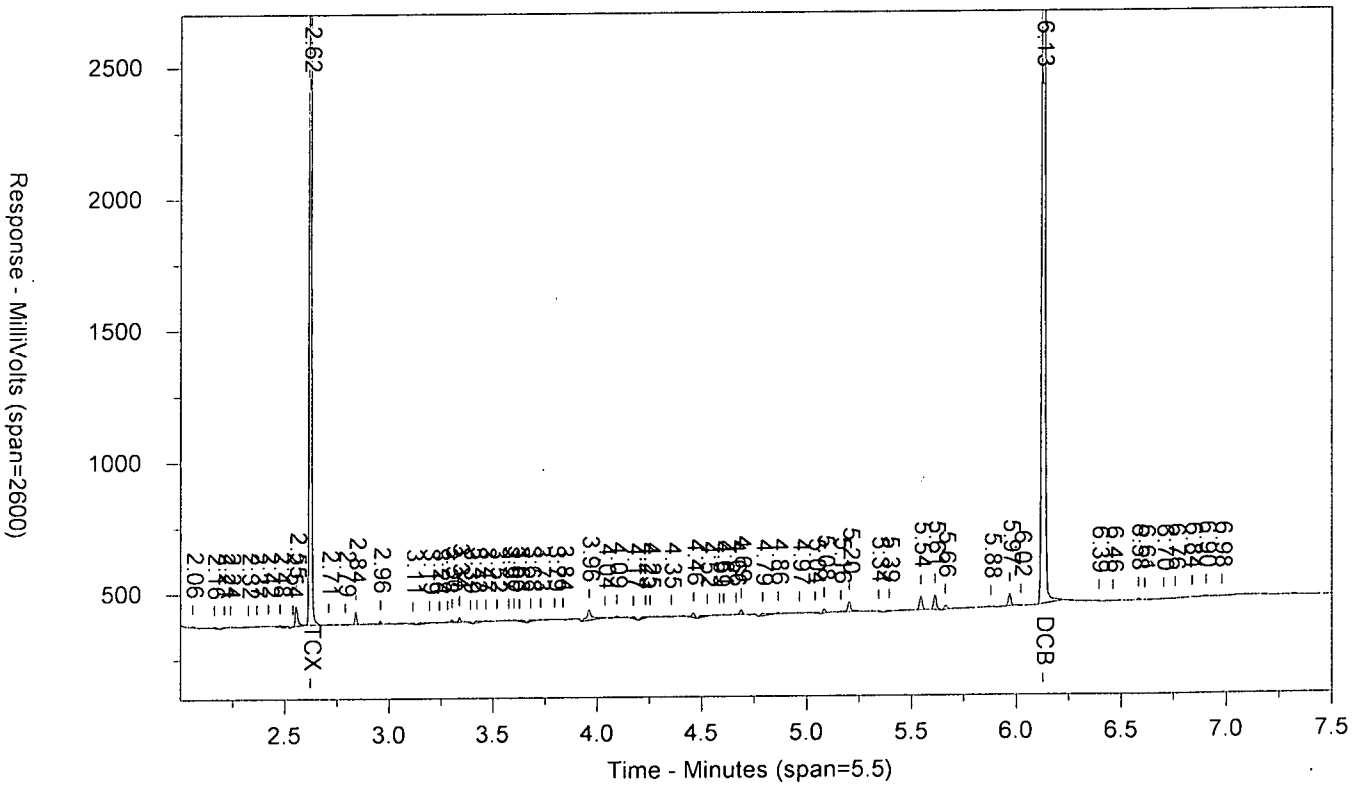

LANCASTER LABORATORIES

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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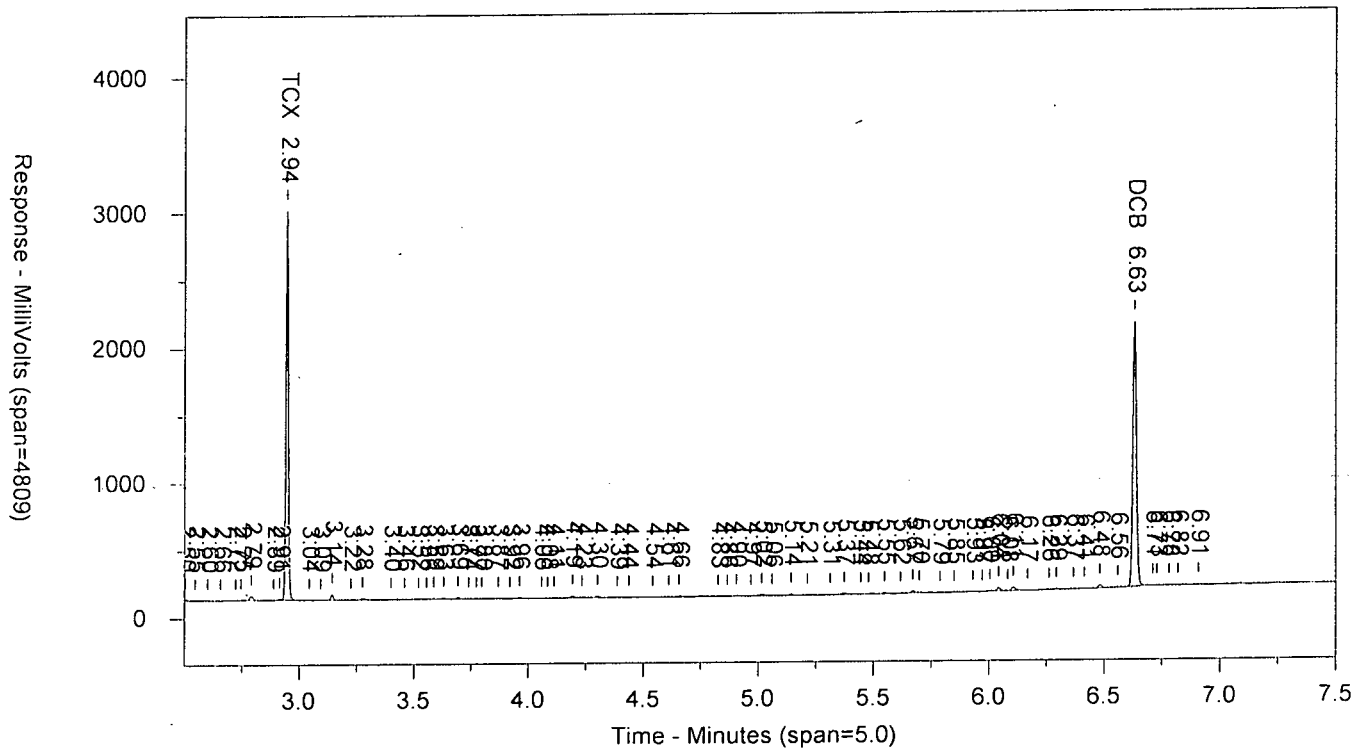

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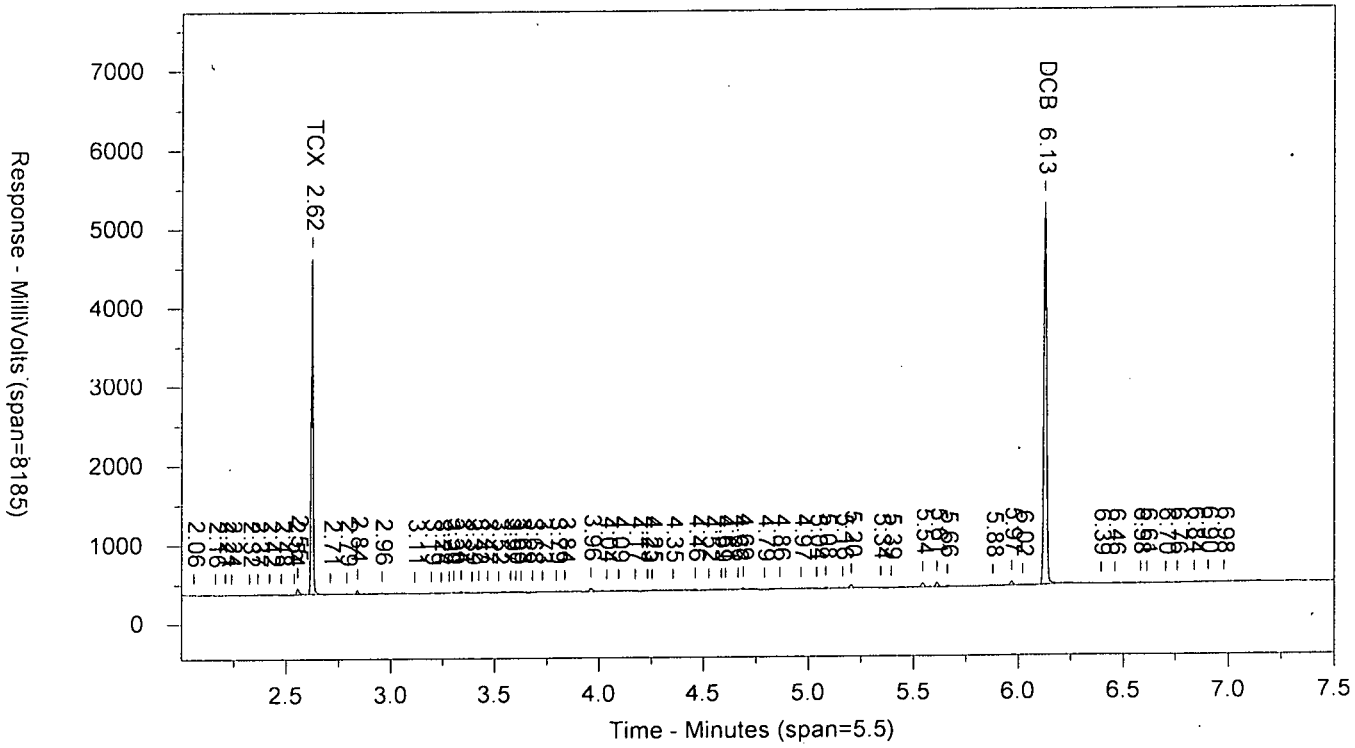


LANCASTER LABORATORIES

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

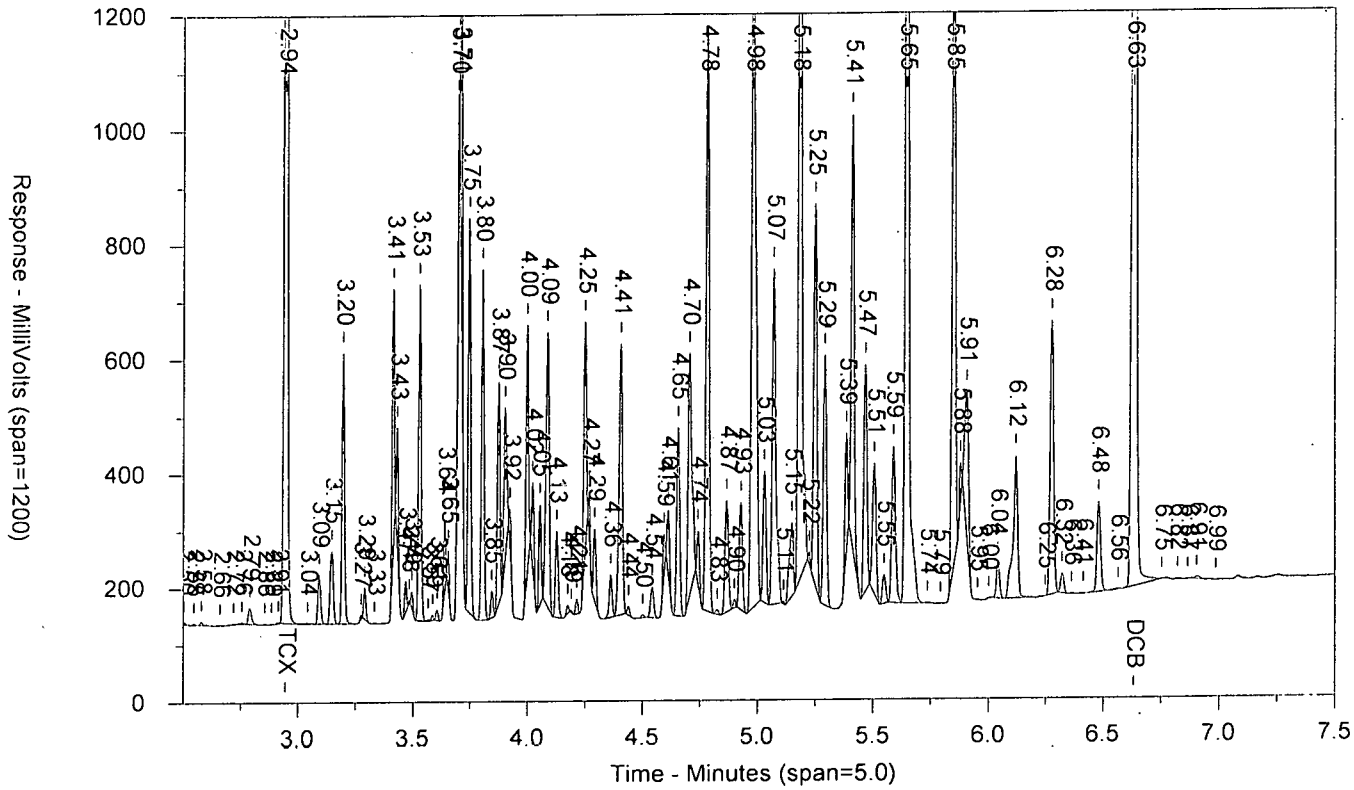
Sample Number: AR1631724A CXAR163CX CCAL 1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:25:55 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.033.RAW



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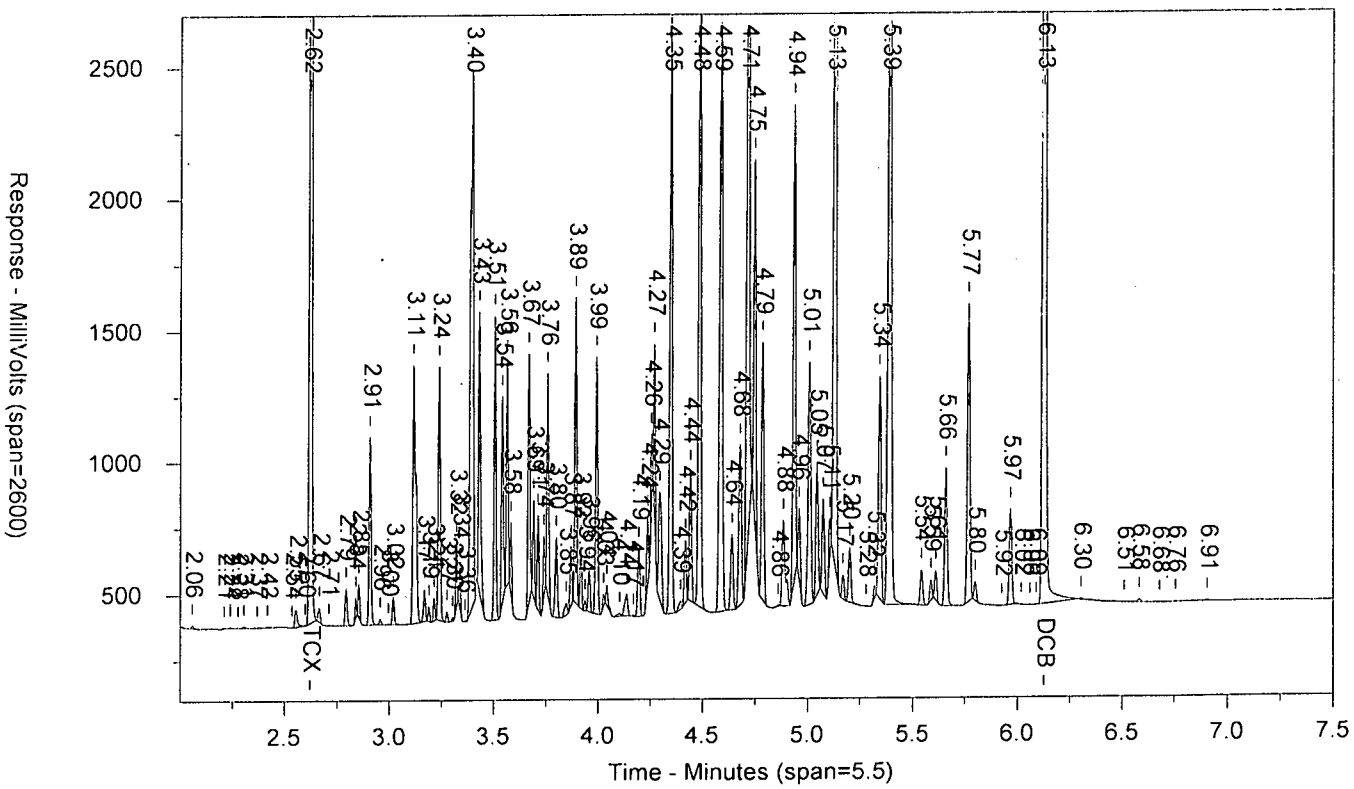

LANCASTER LABORATORIES

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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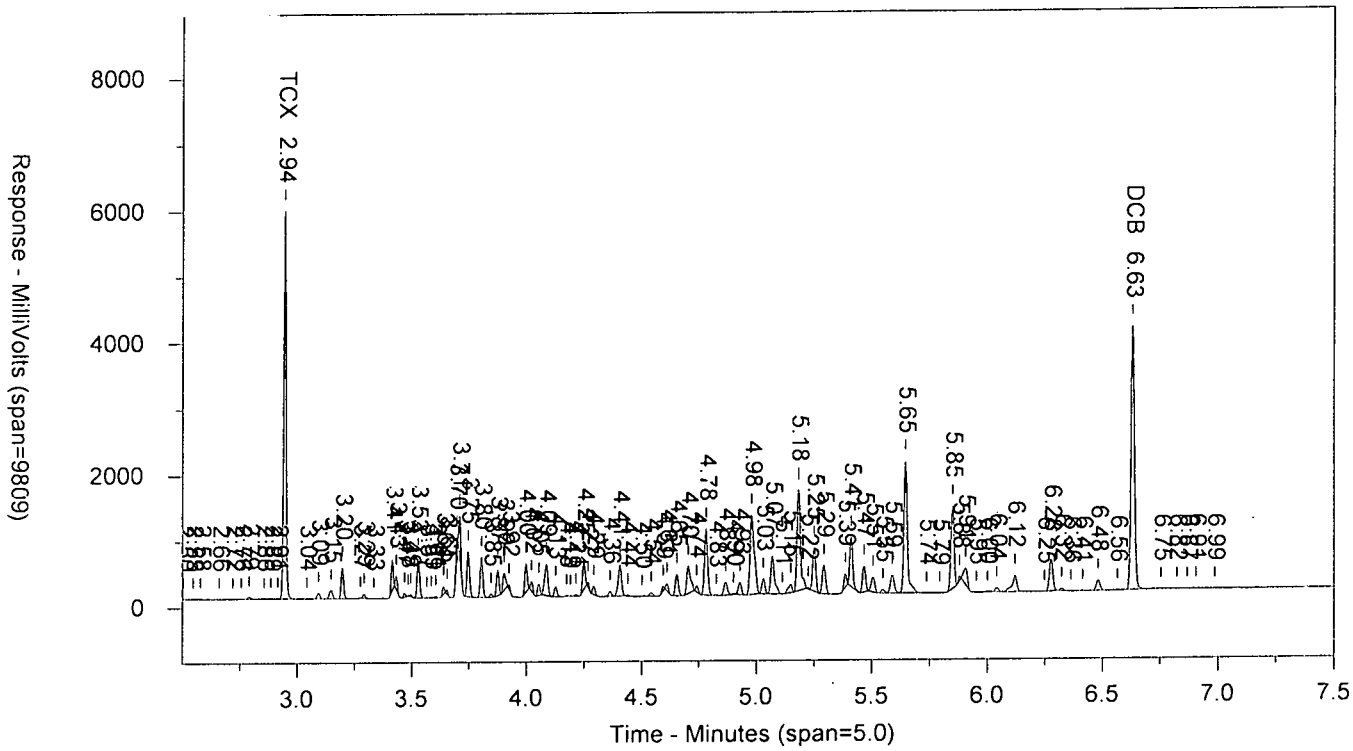

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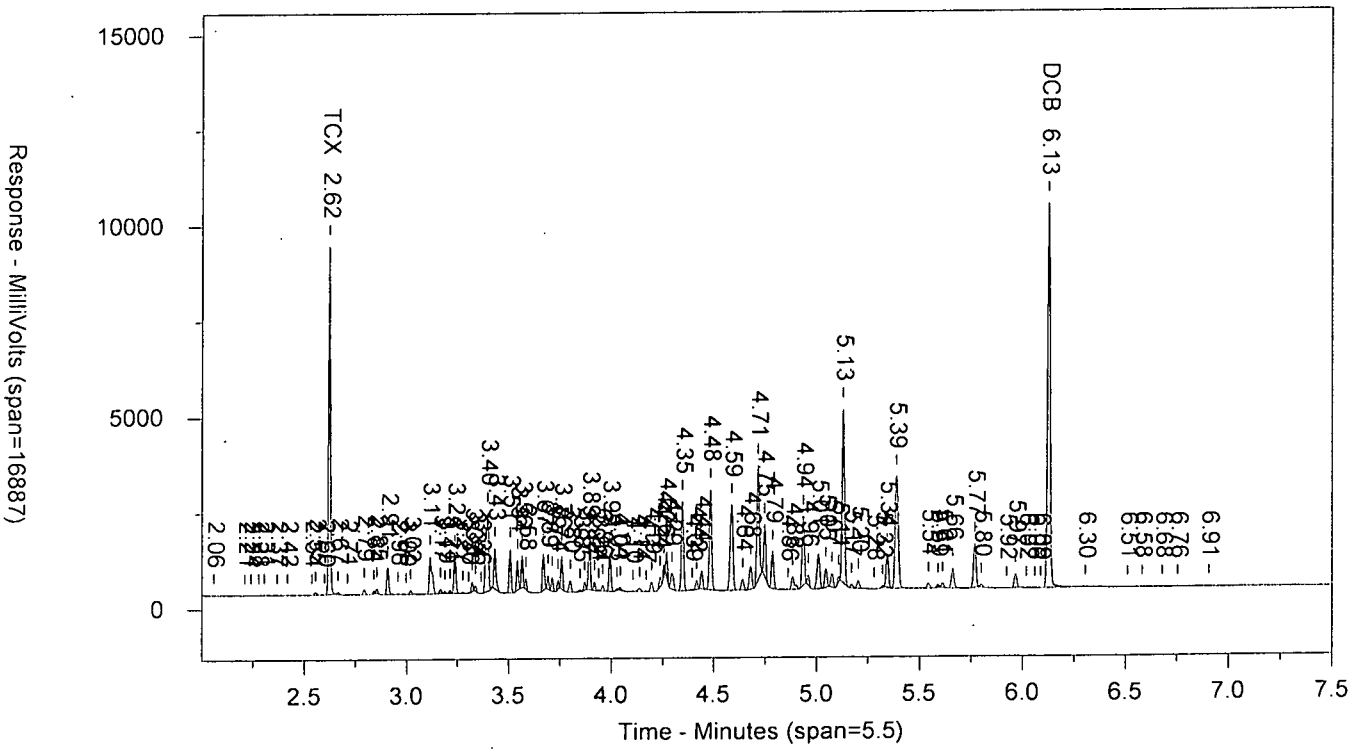

LANCASTER LABORATORIES

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

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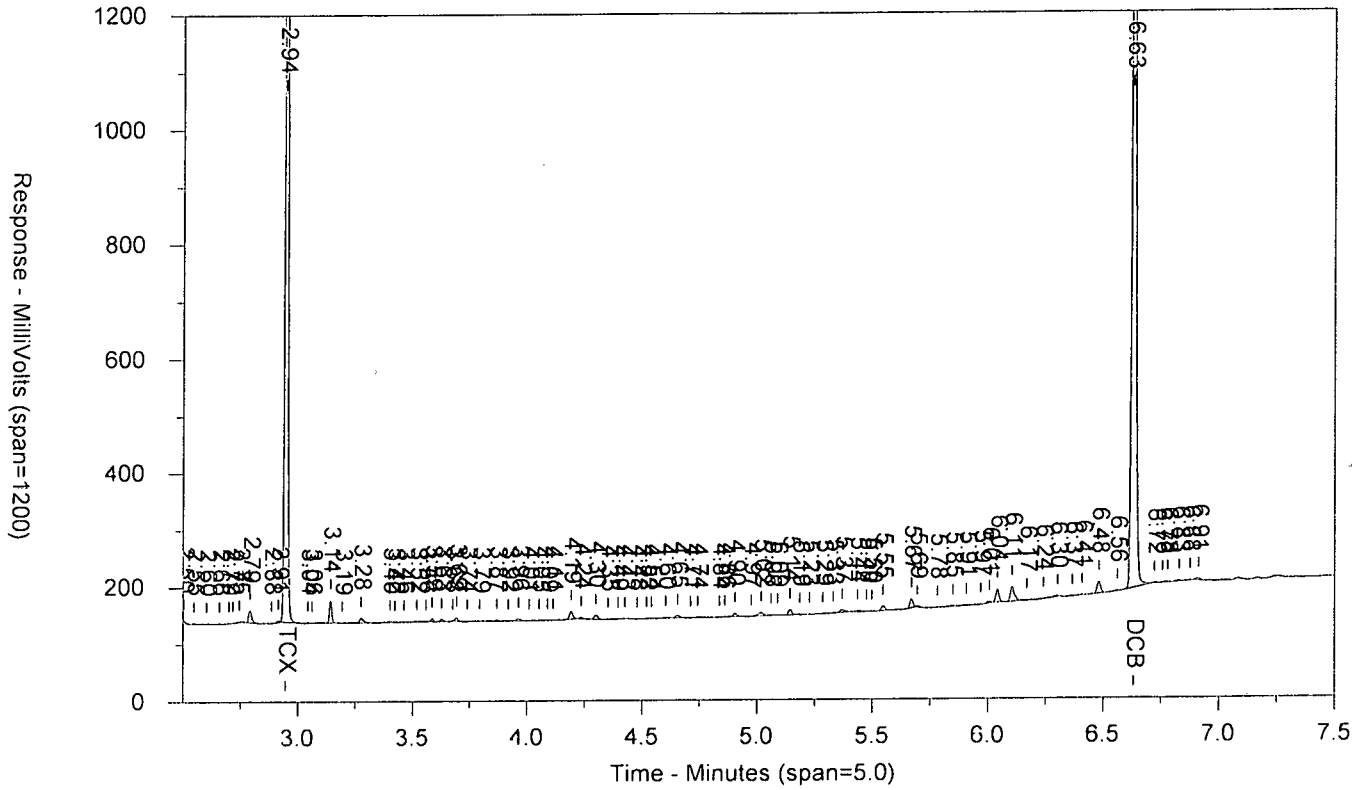

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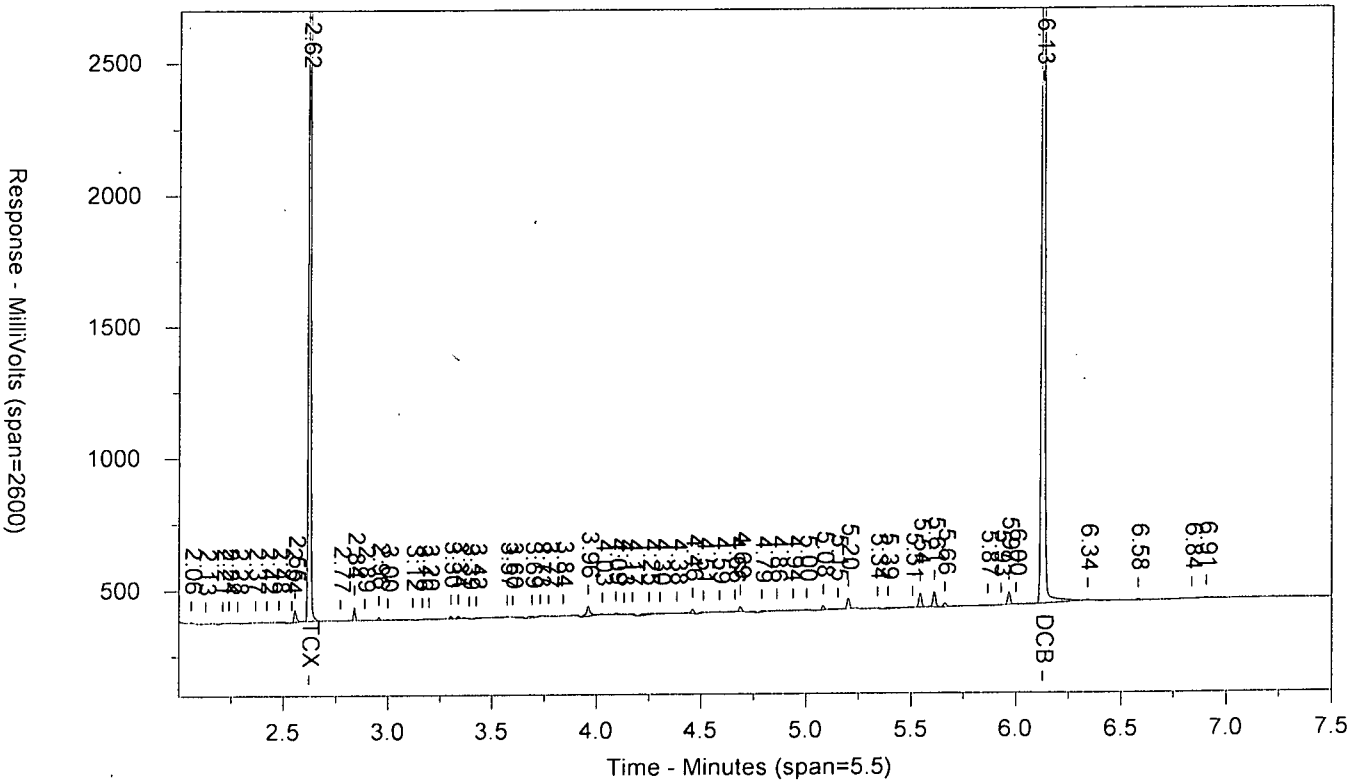


LANCASTER LABORATORIES

Sample Number: IBLKX1724A VRPIBLKVR PIBLK1714099999 10736 SW-846 8082
Injected On: 5/21/2017 11:37:16 PM 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

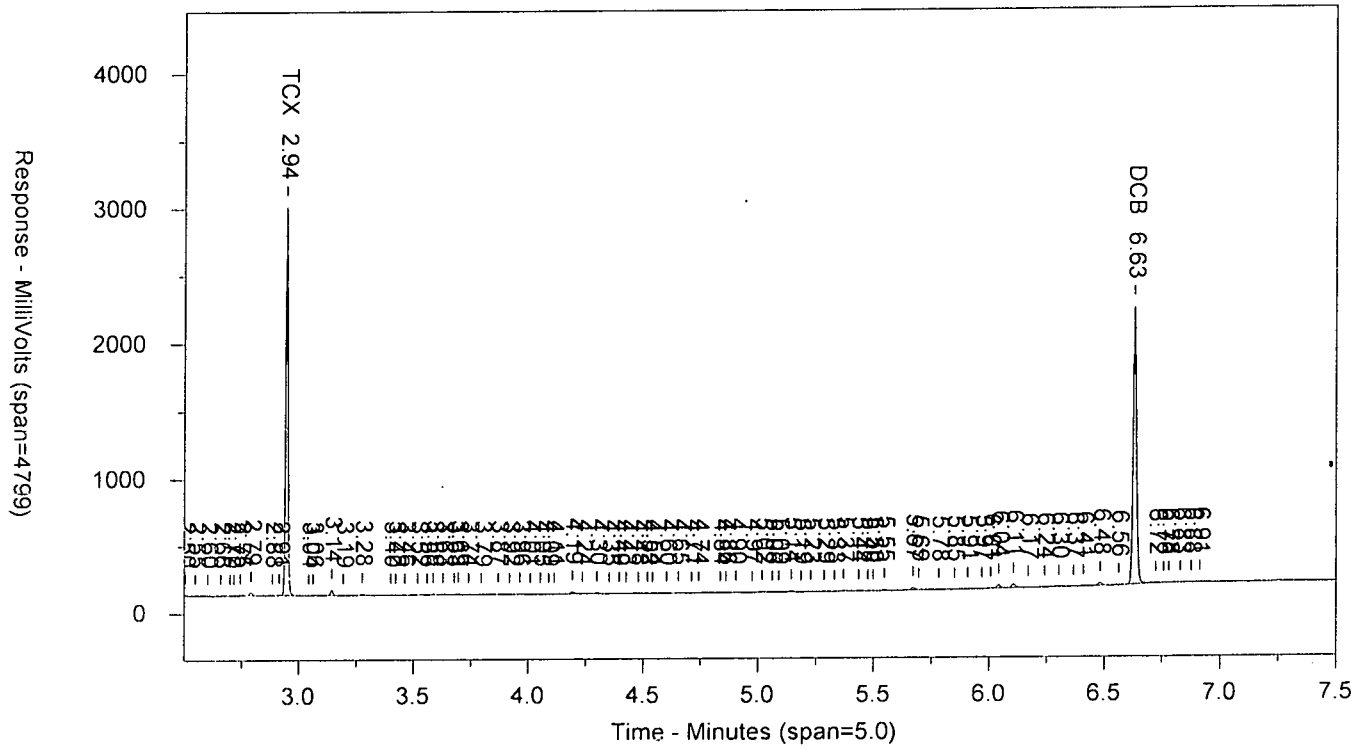
Analyst: 2855

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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.034.RAW



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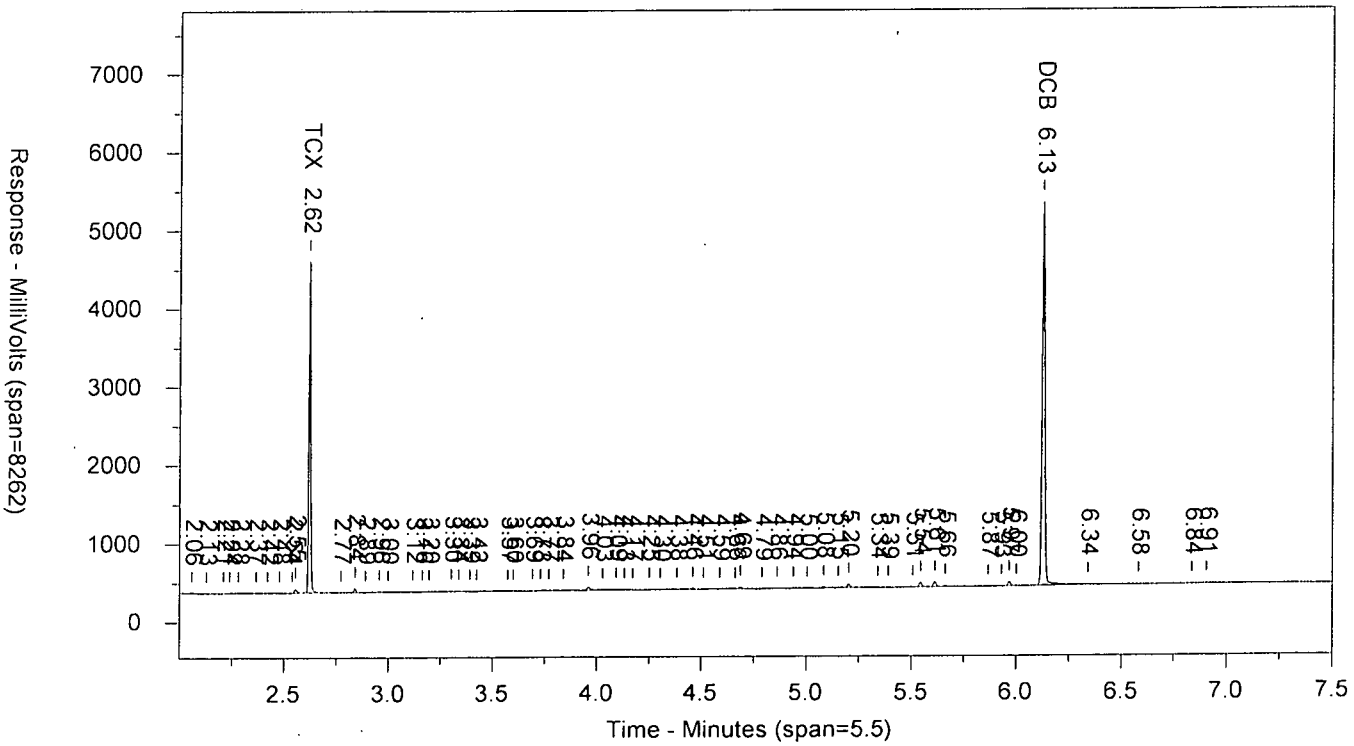

LANCASTER LABORATORIES

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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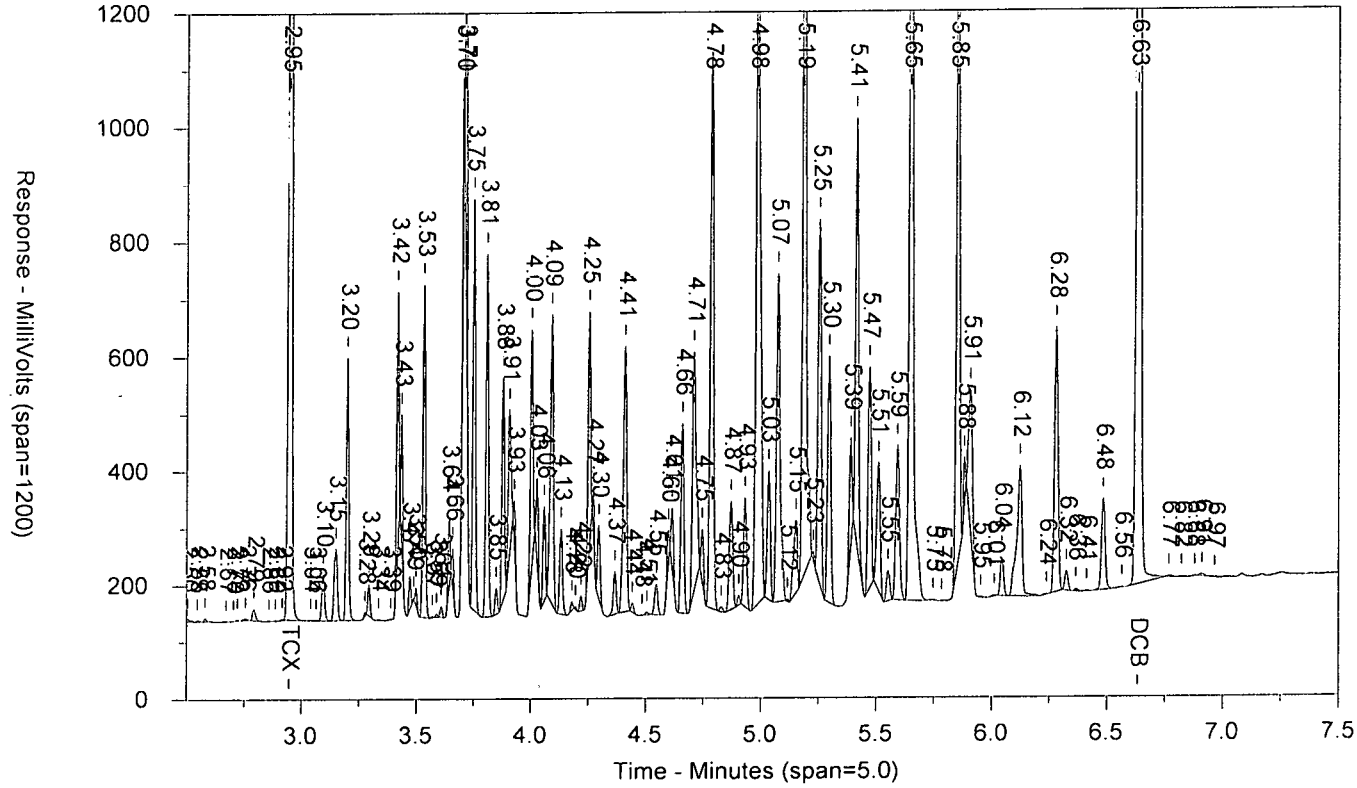

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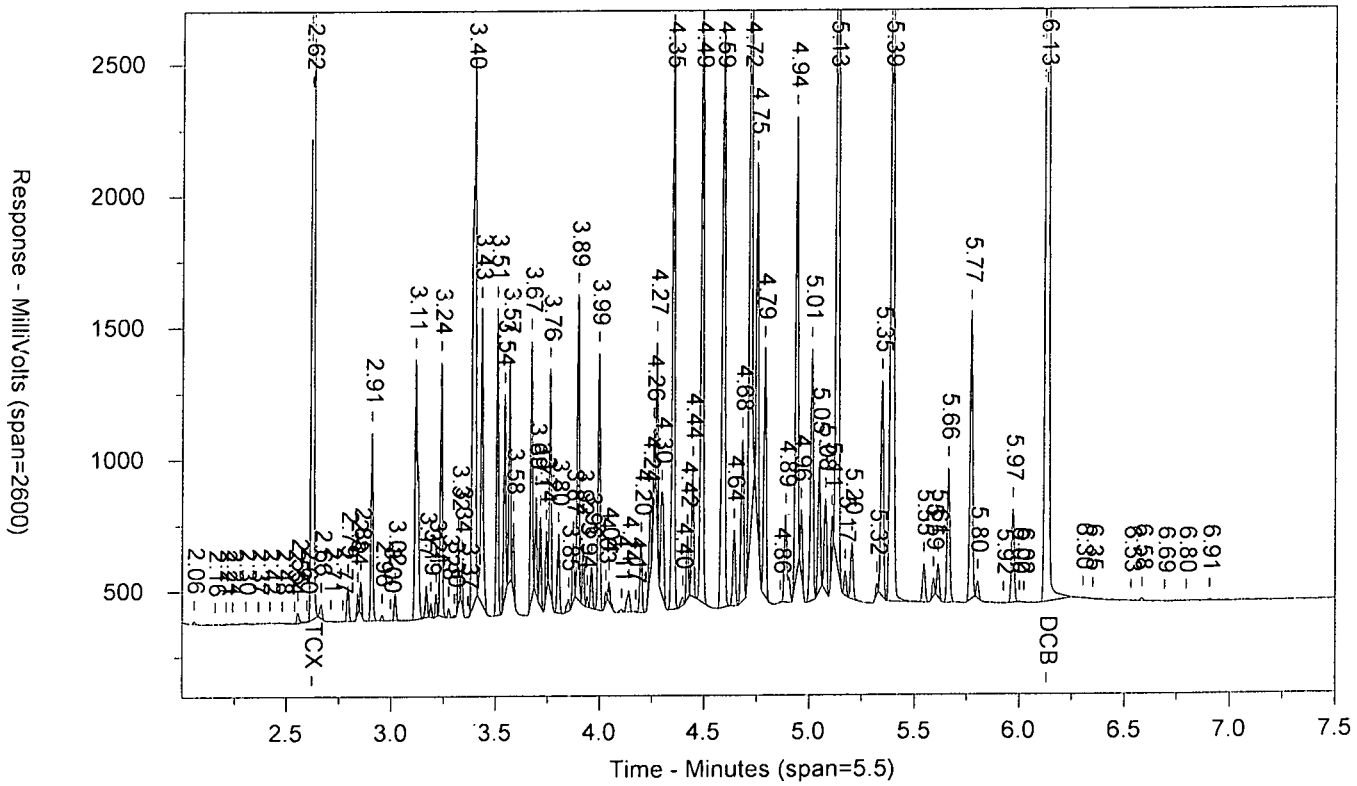

LANCASTER LABORATORIES

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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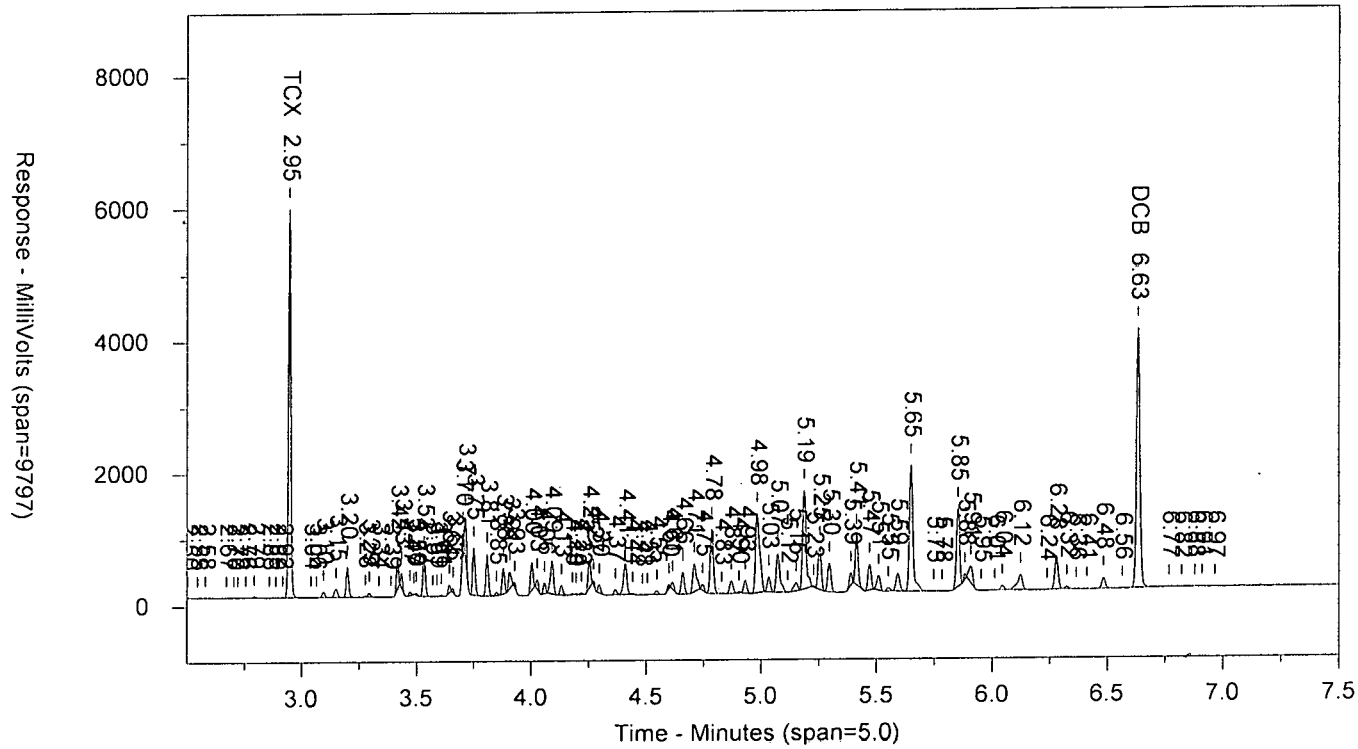

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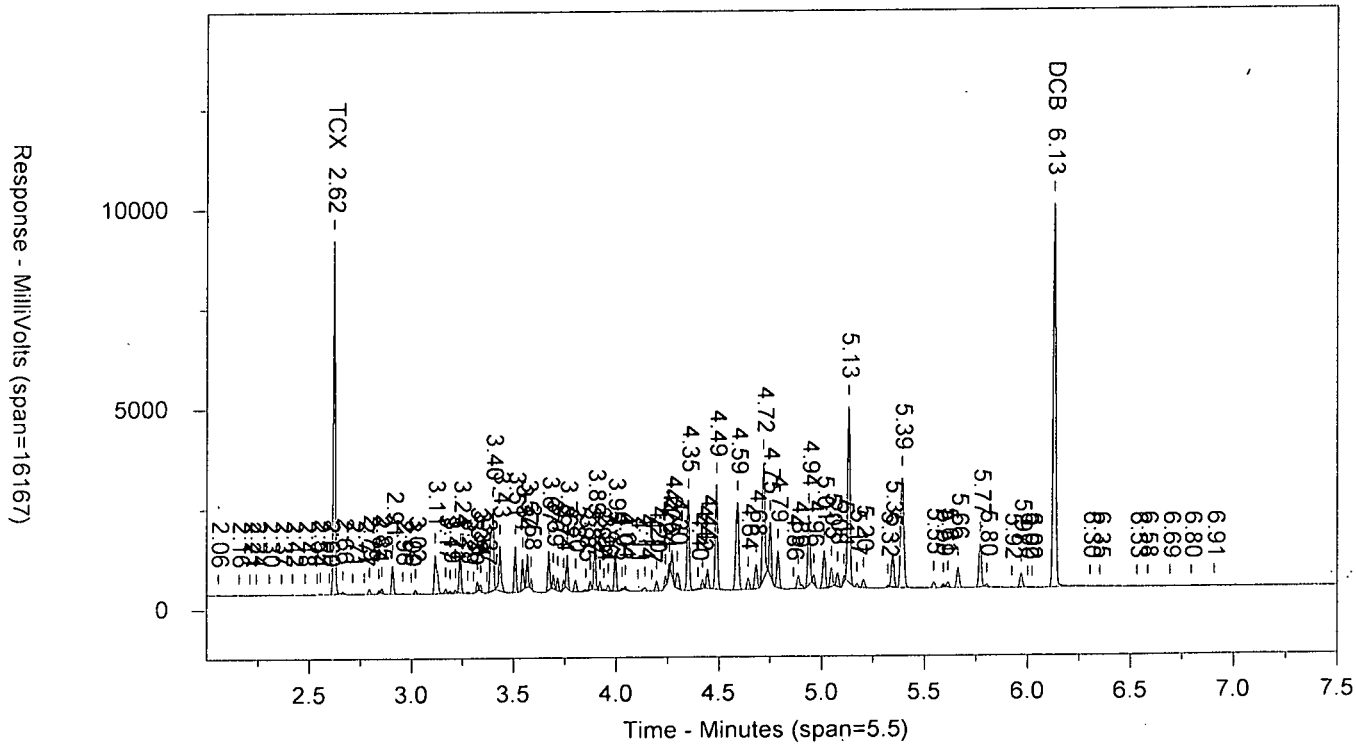

LANCASTER LABORATORIES

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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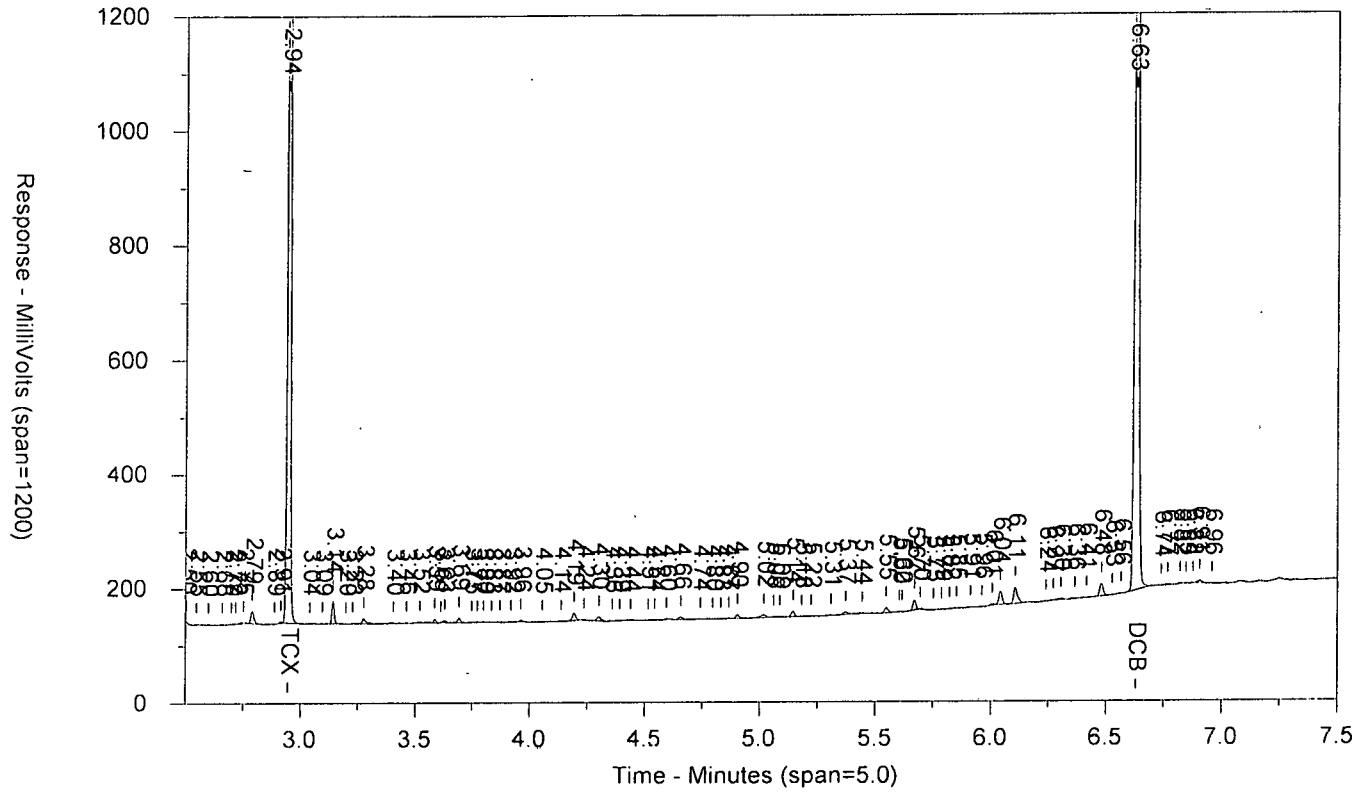

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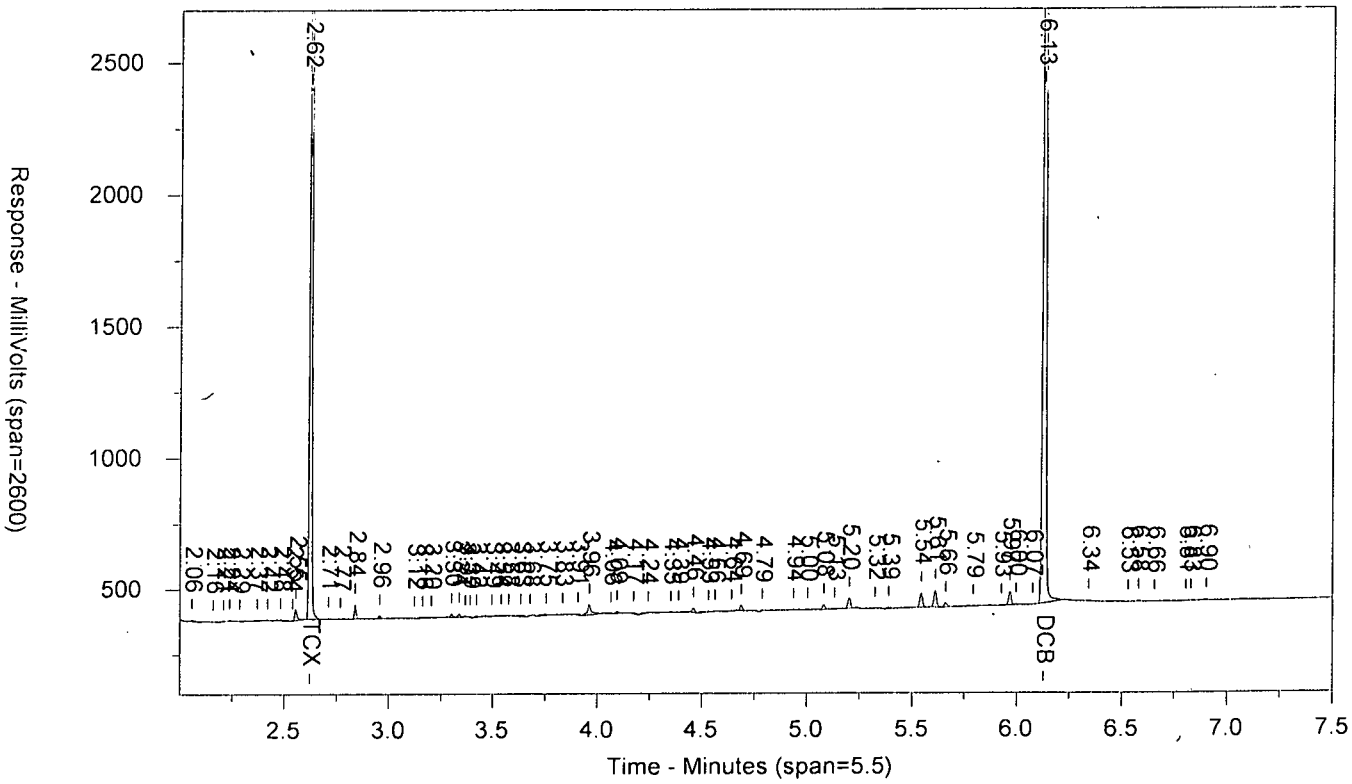


LANCASTER LABORATORIES

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

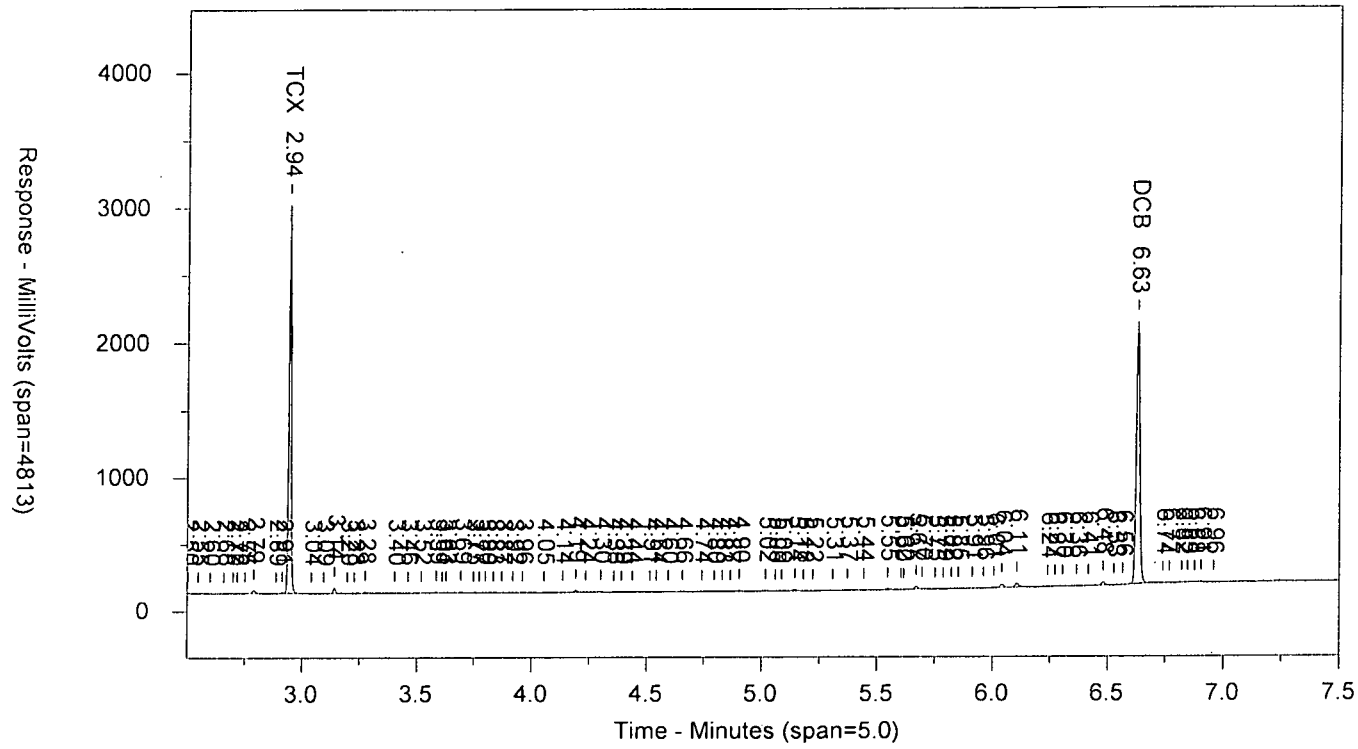
Analyst: 2855

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

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116016.056.RAW



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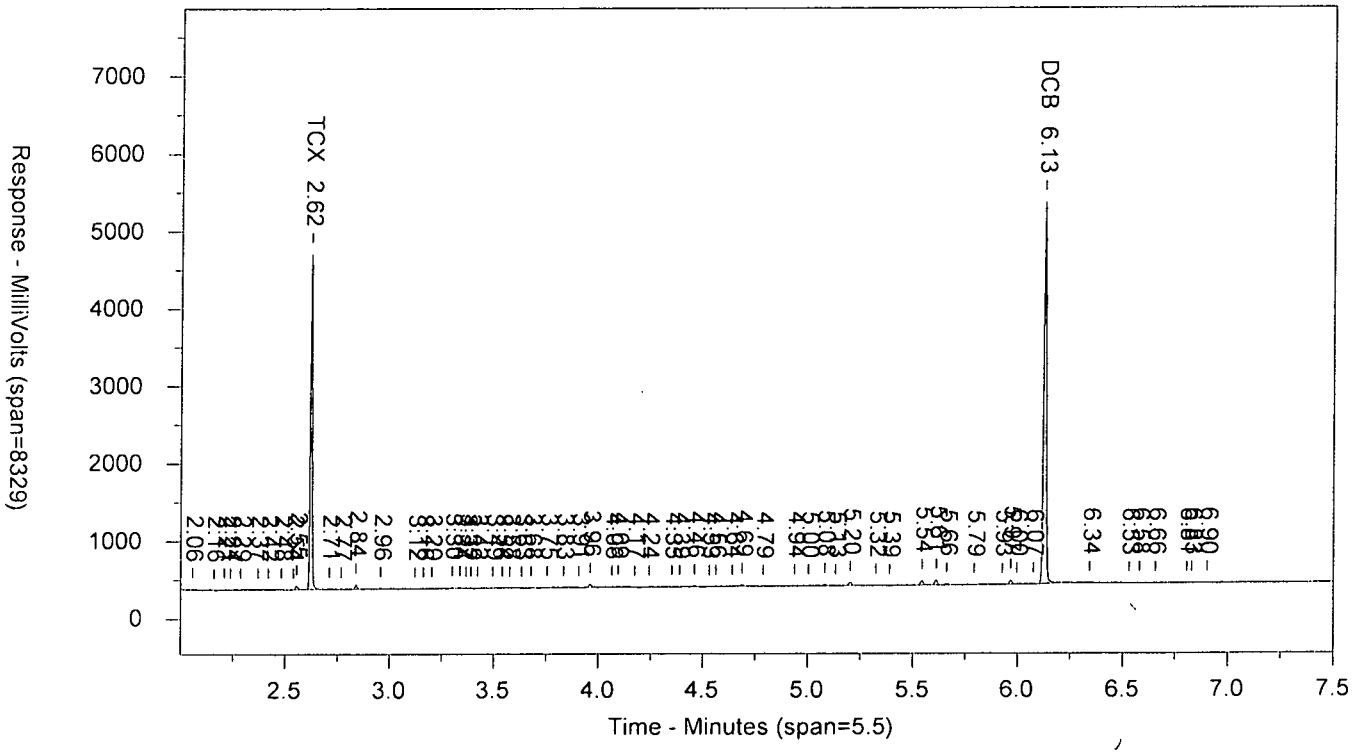

LANCASTER LABORATORIES

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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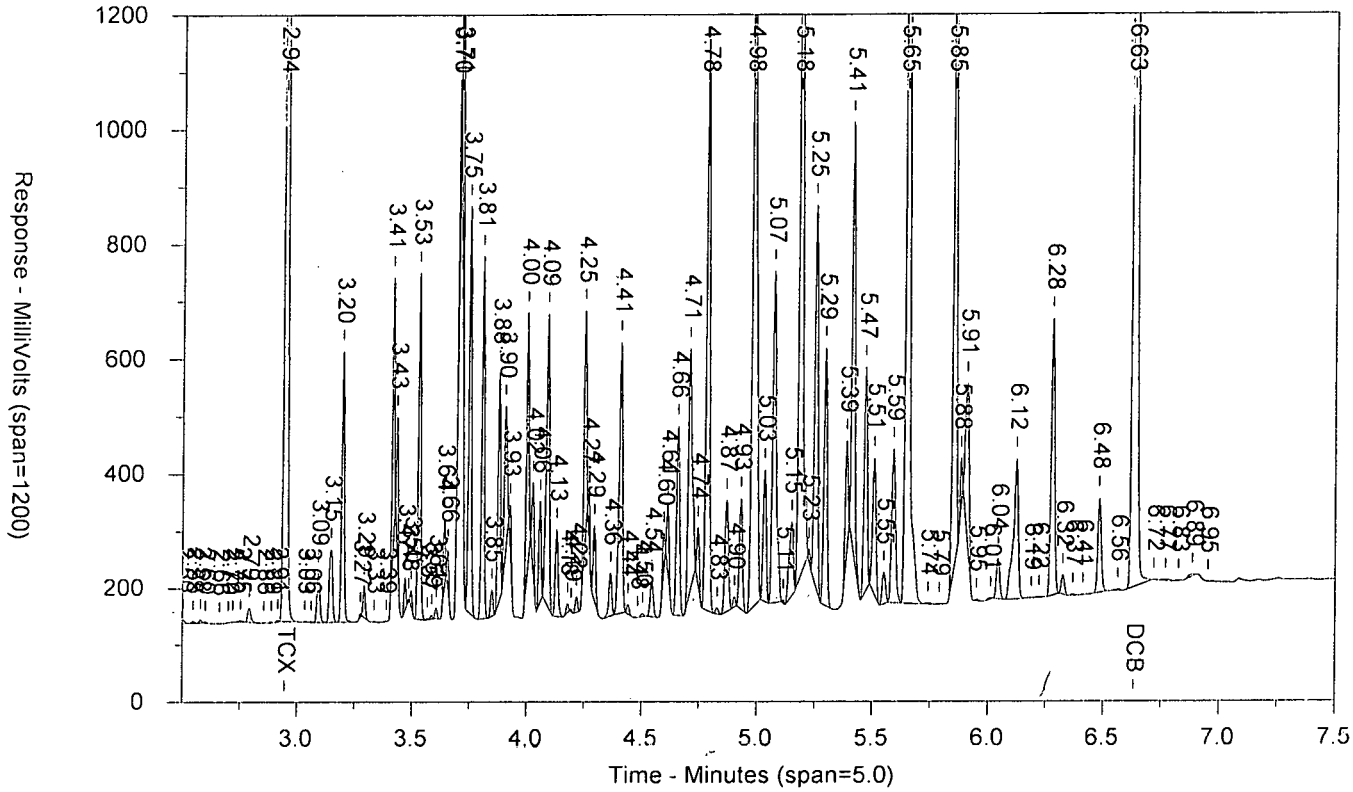

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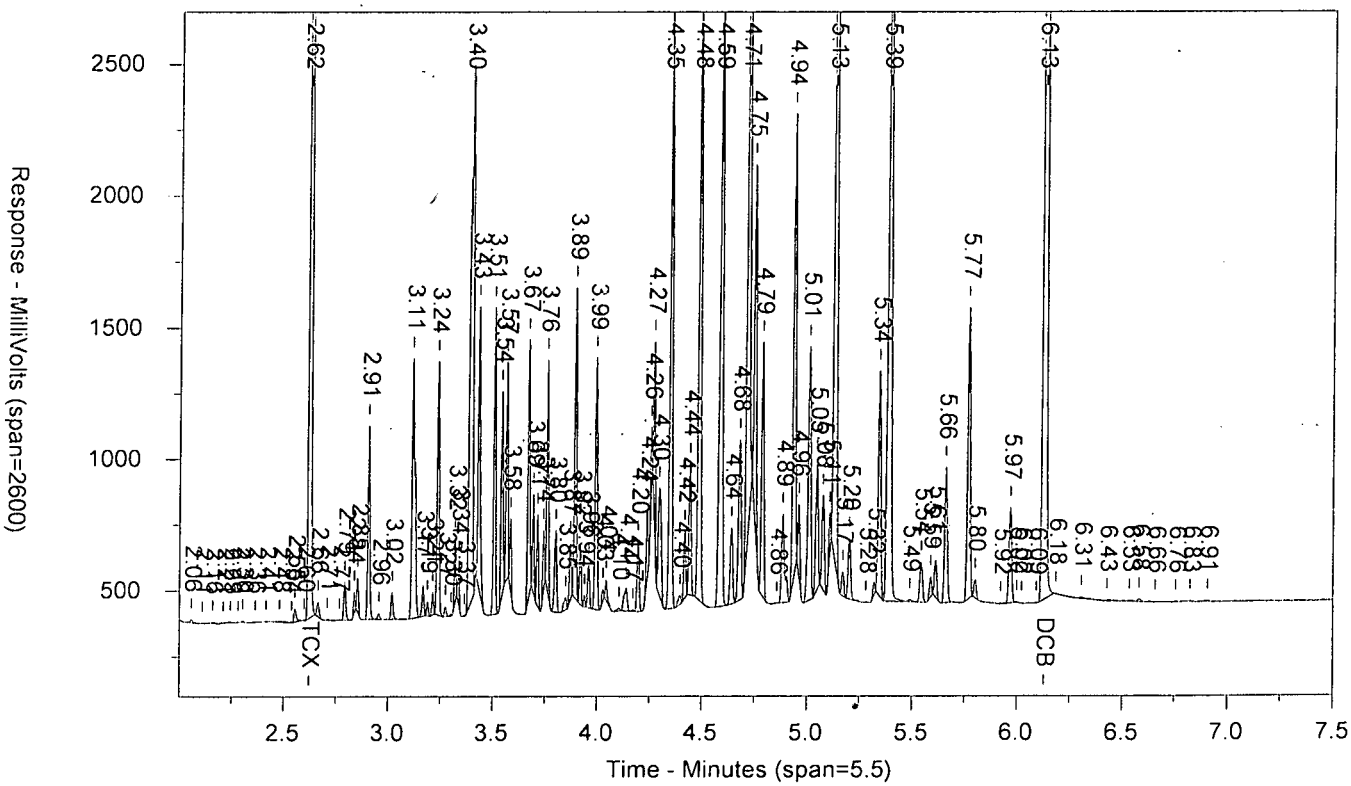

LANCASTER LABORATORIES

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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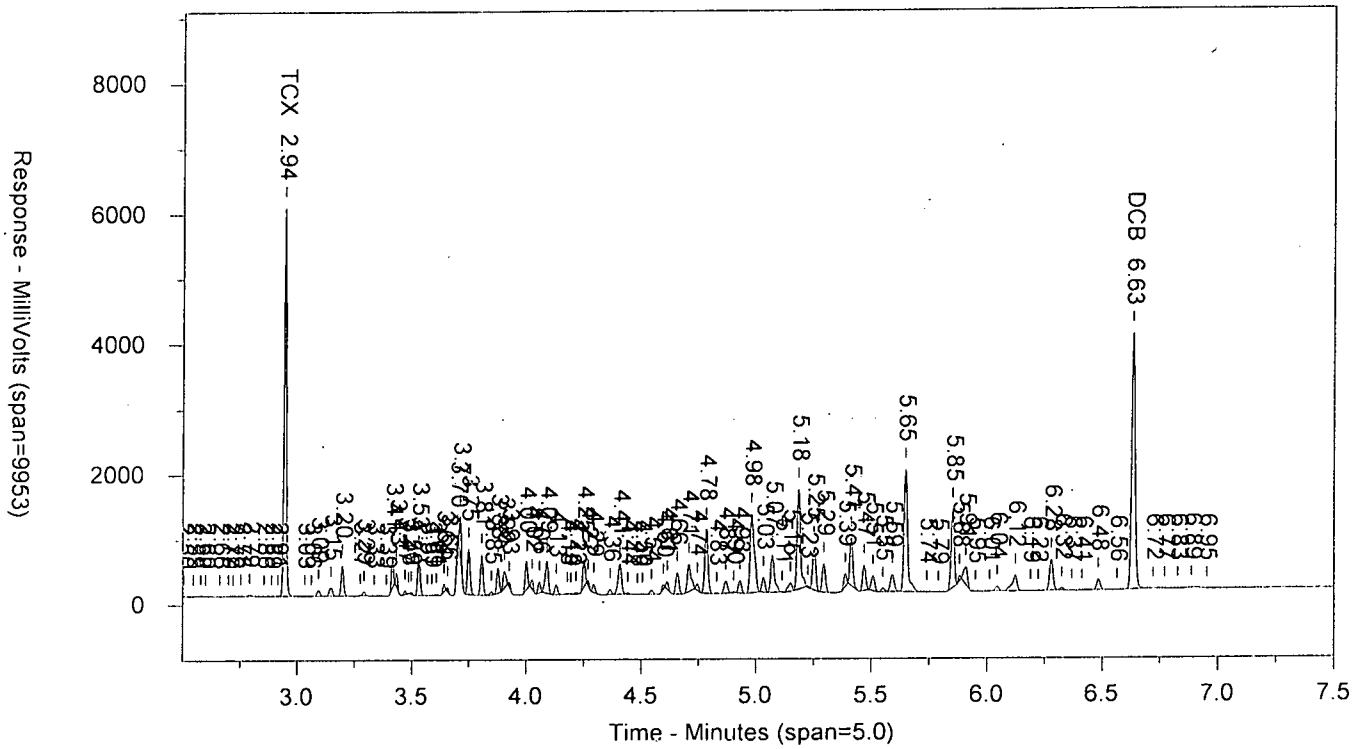

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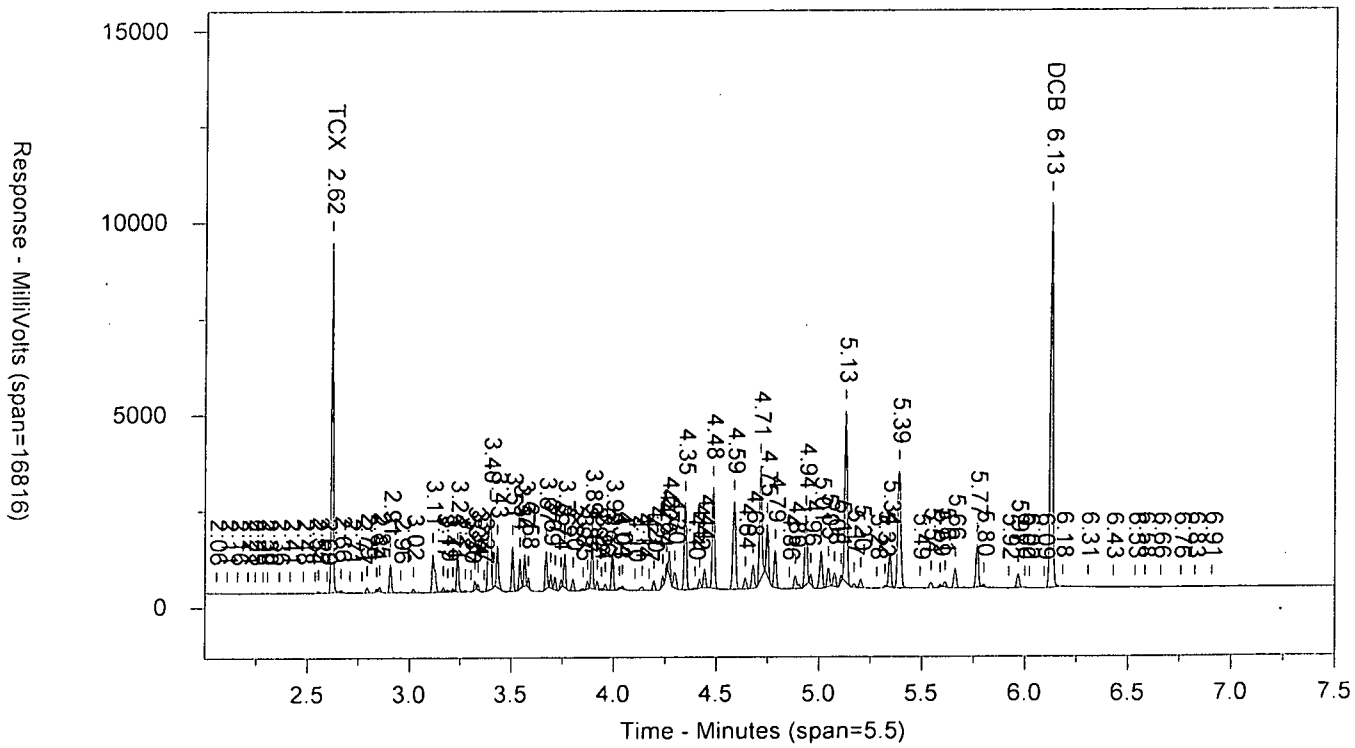

LANCASTER LABORATORIES

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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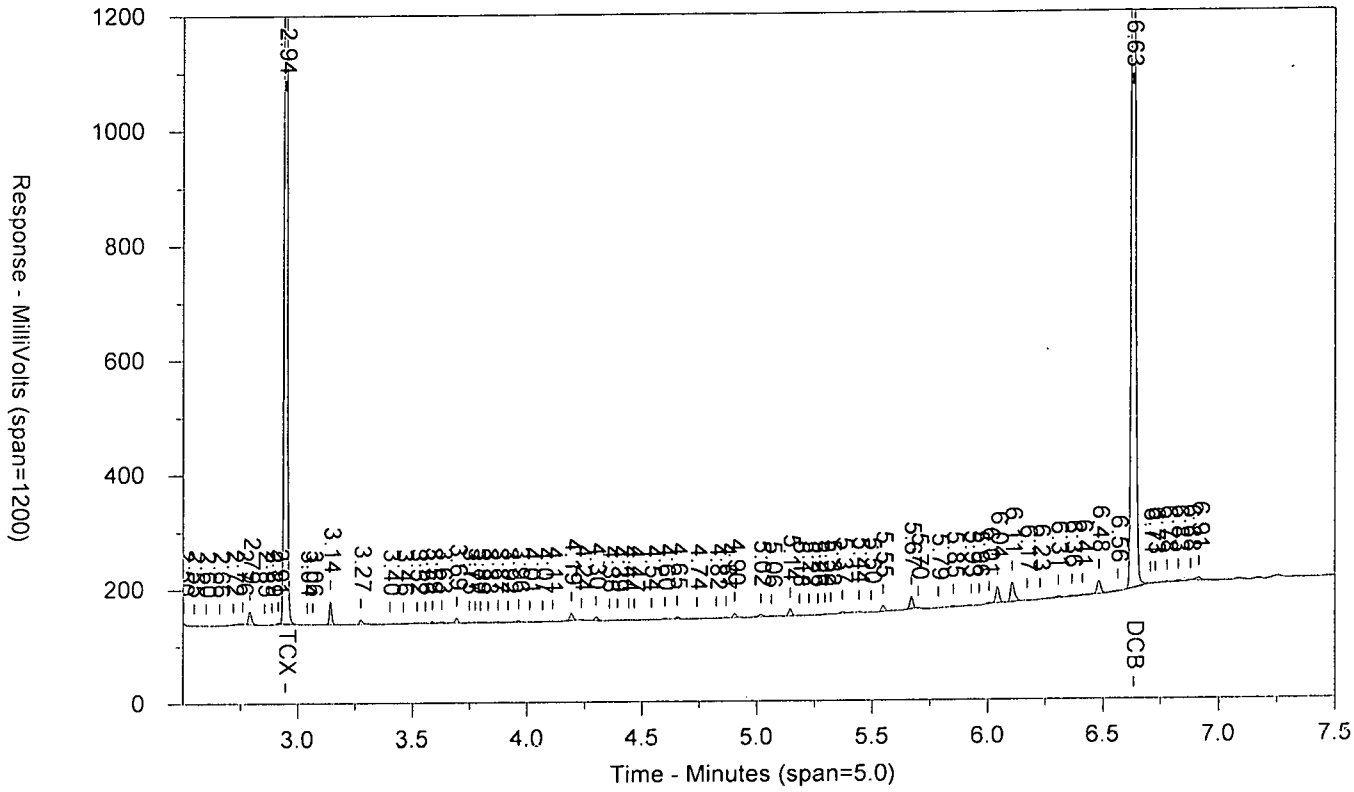

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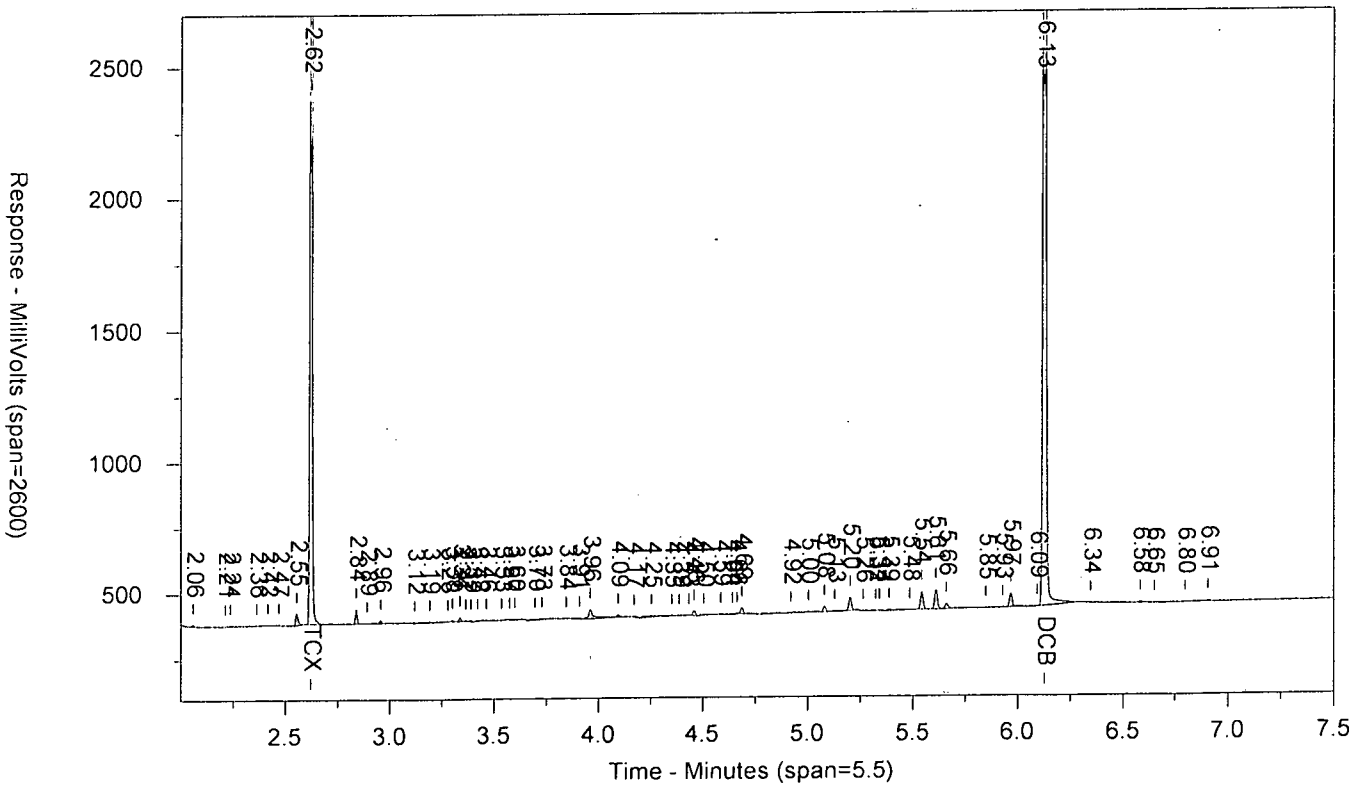

LANCASTER LABORATORIES

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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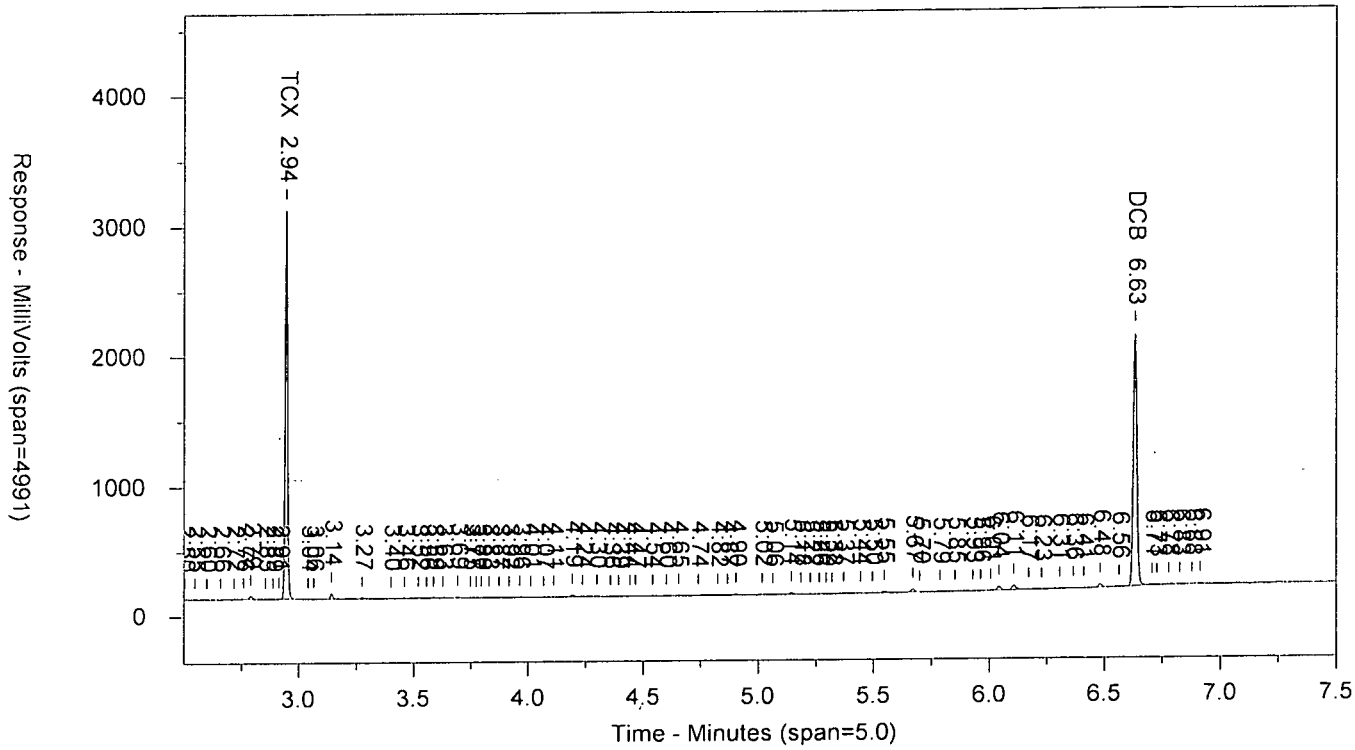

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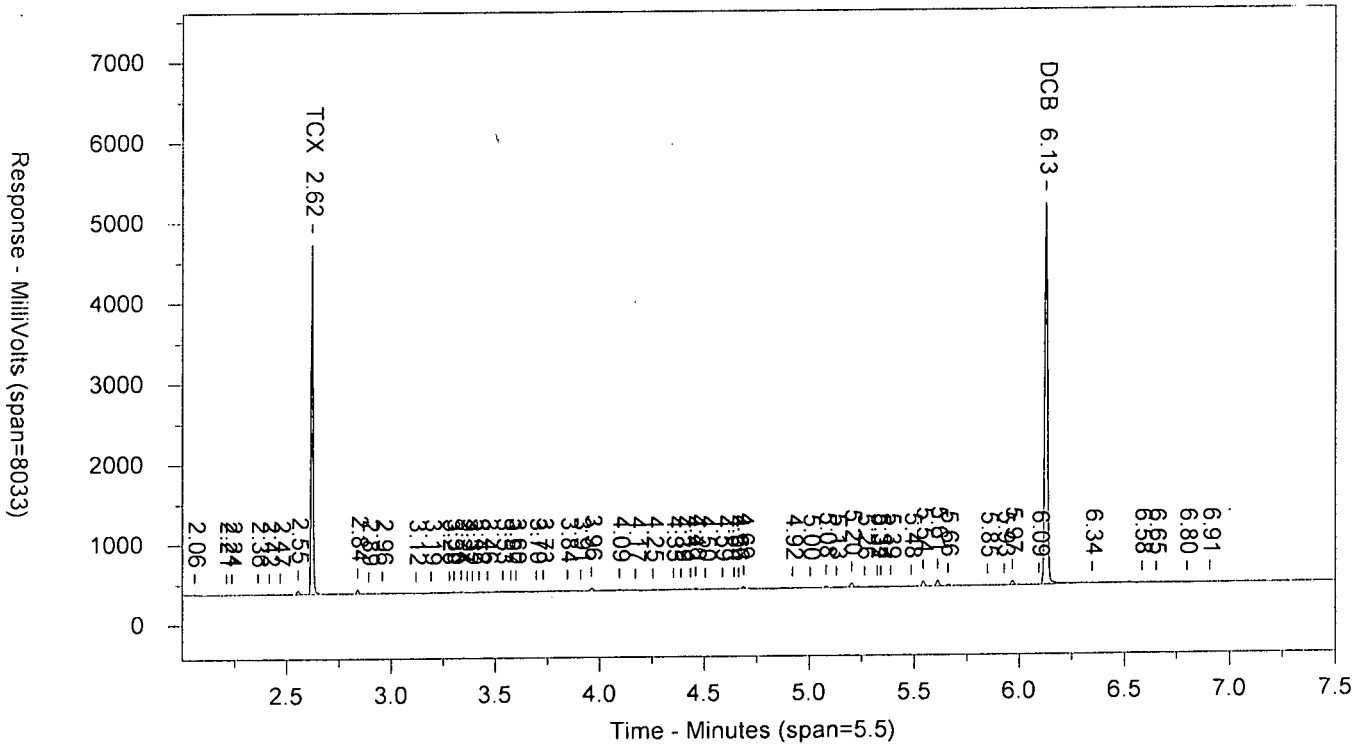

LANCASTER LABORATORIES

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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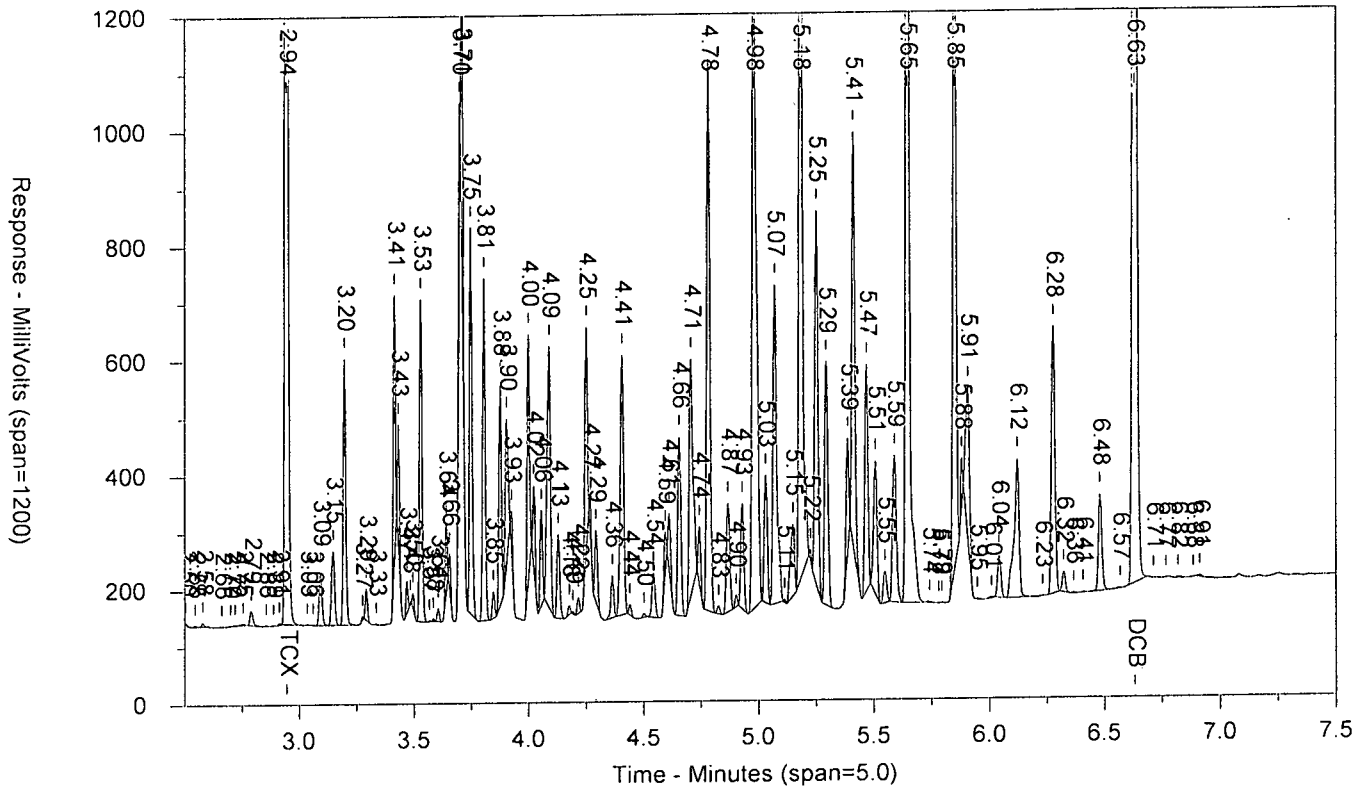

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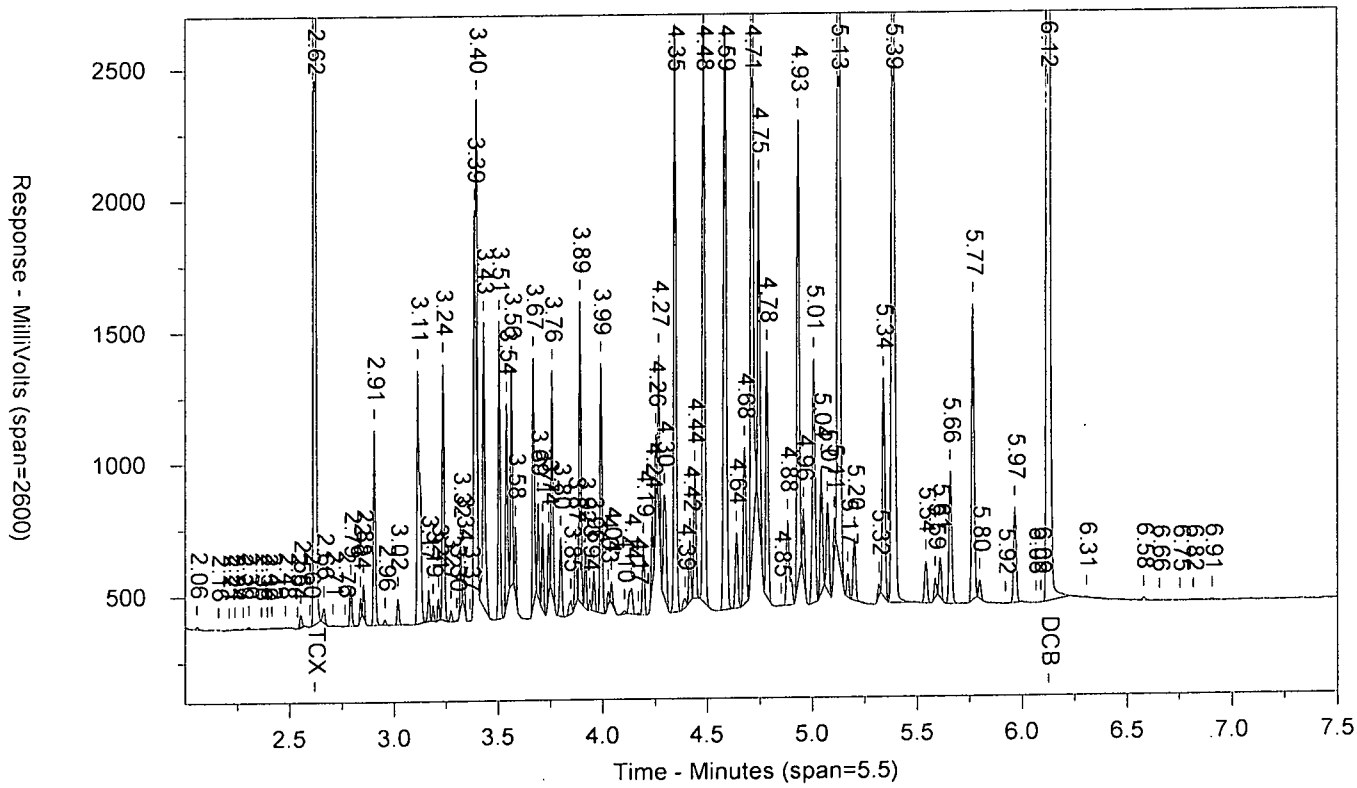

LANCASTER LABORATORIES

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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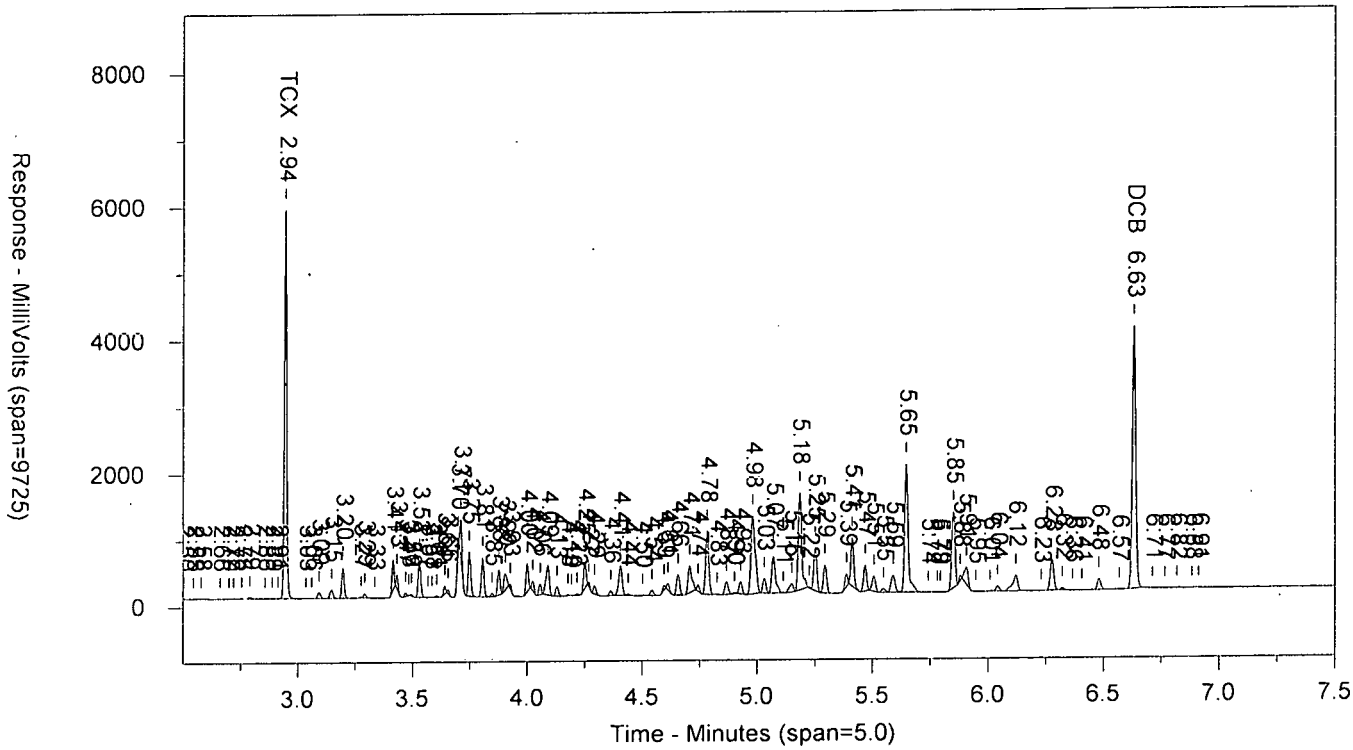

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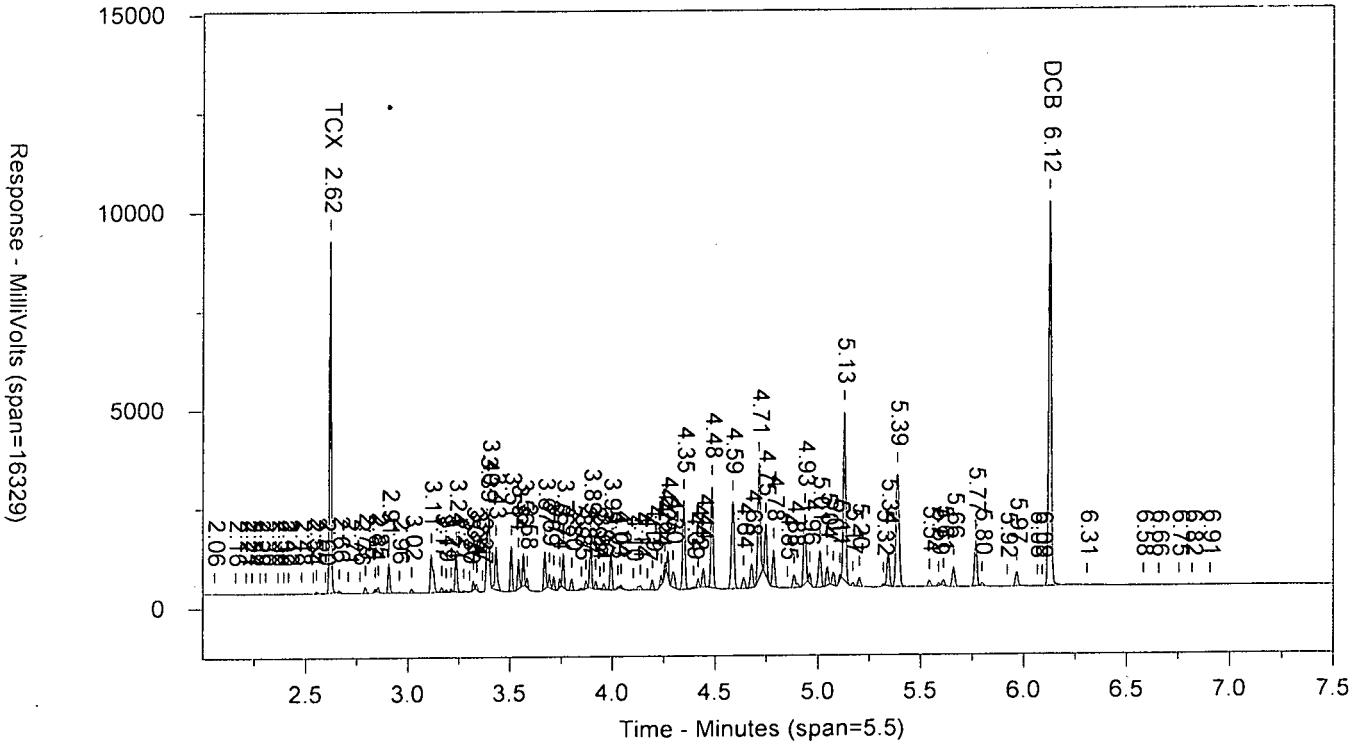

LANCASTER LABORATORIES

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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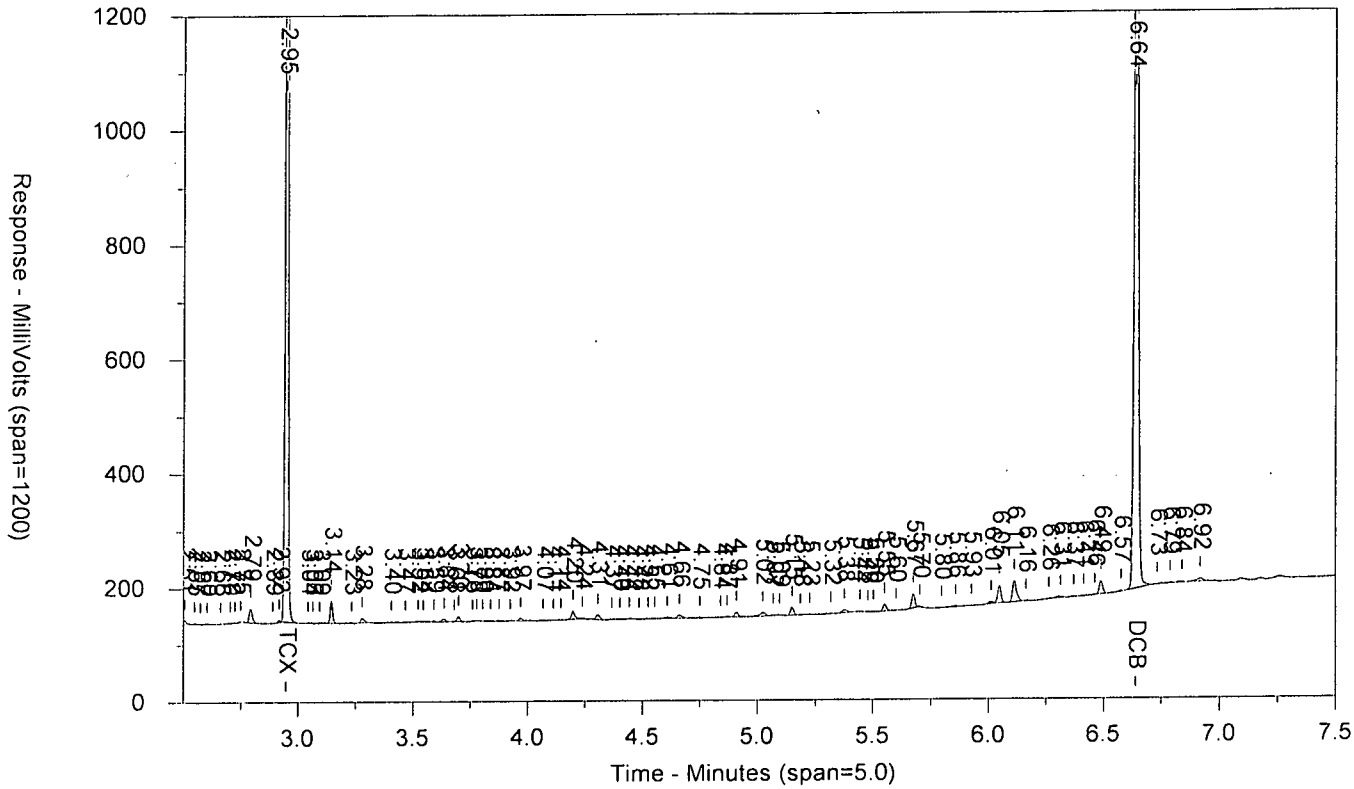

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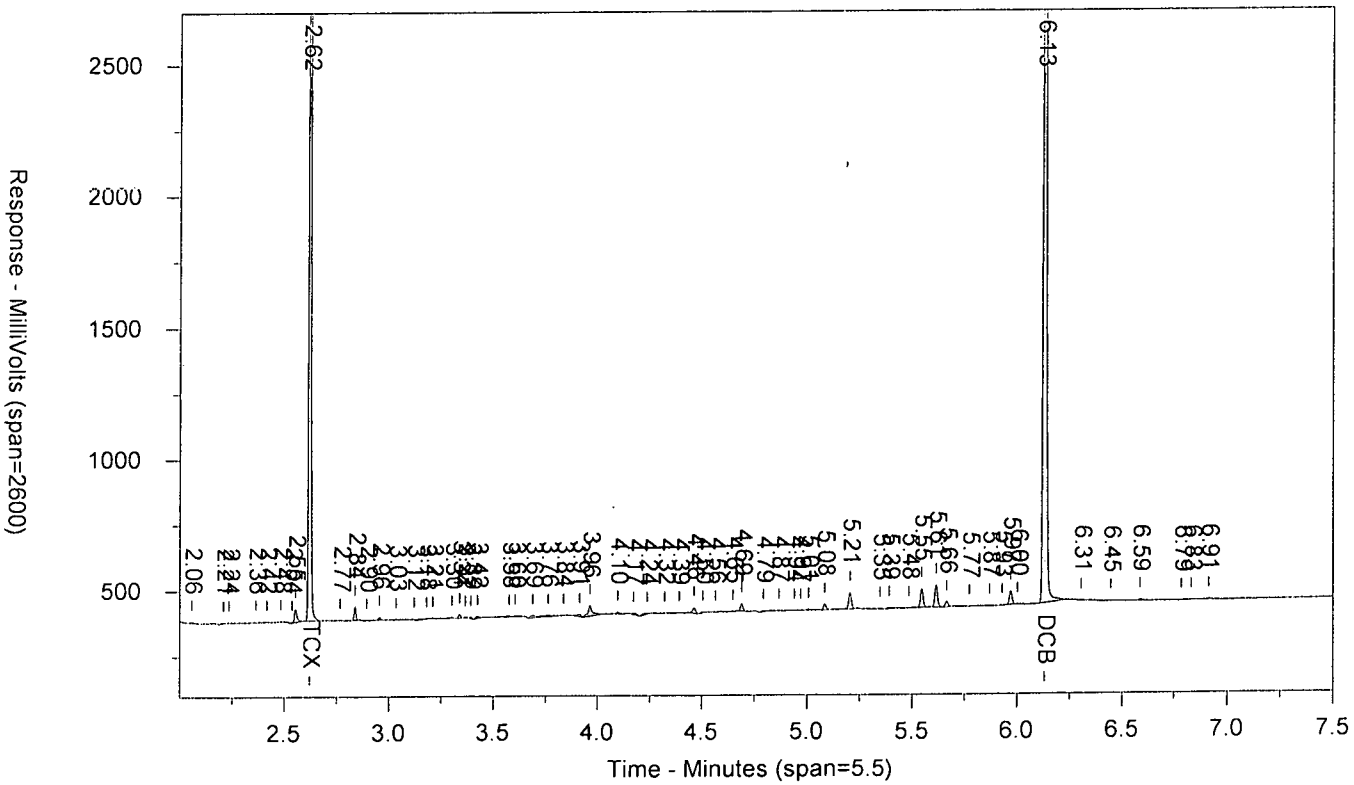

LANCASTER LABORATORIES

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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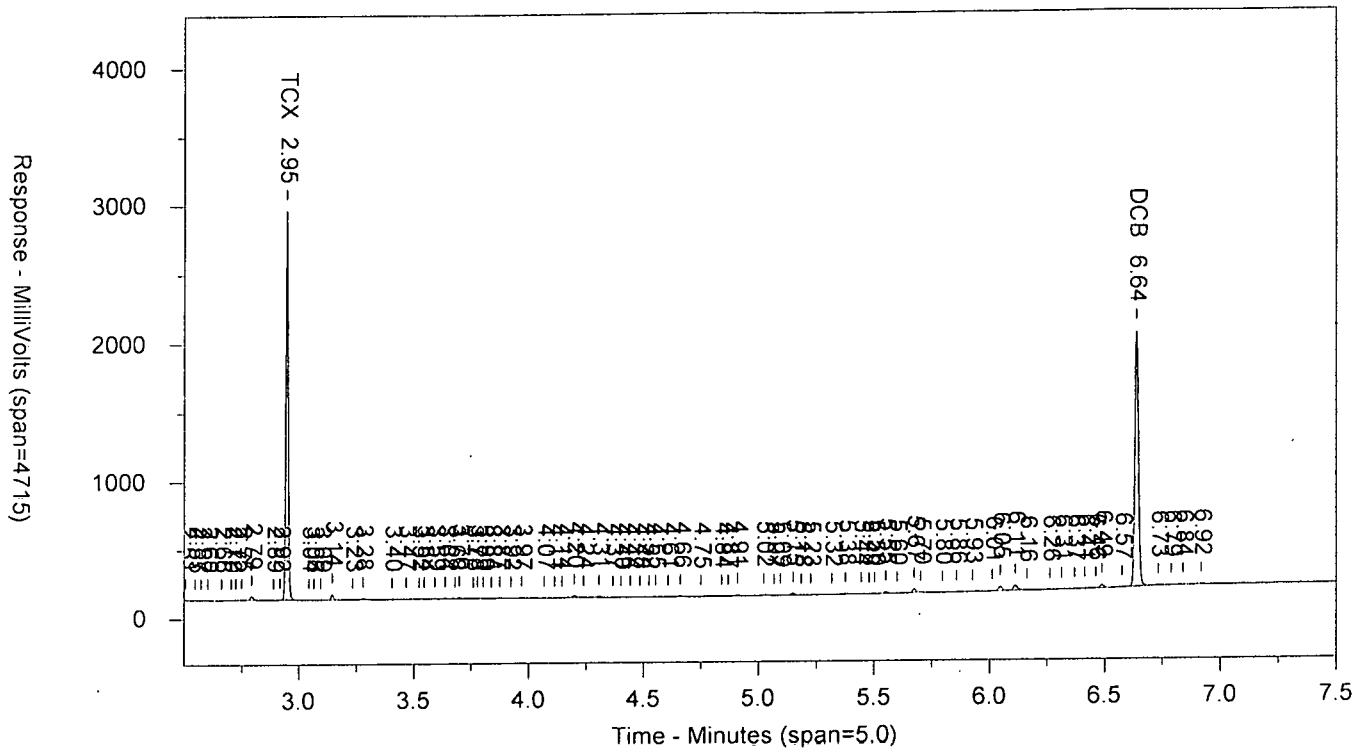

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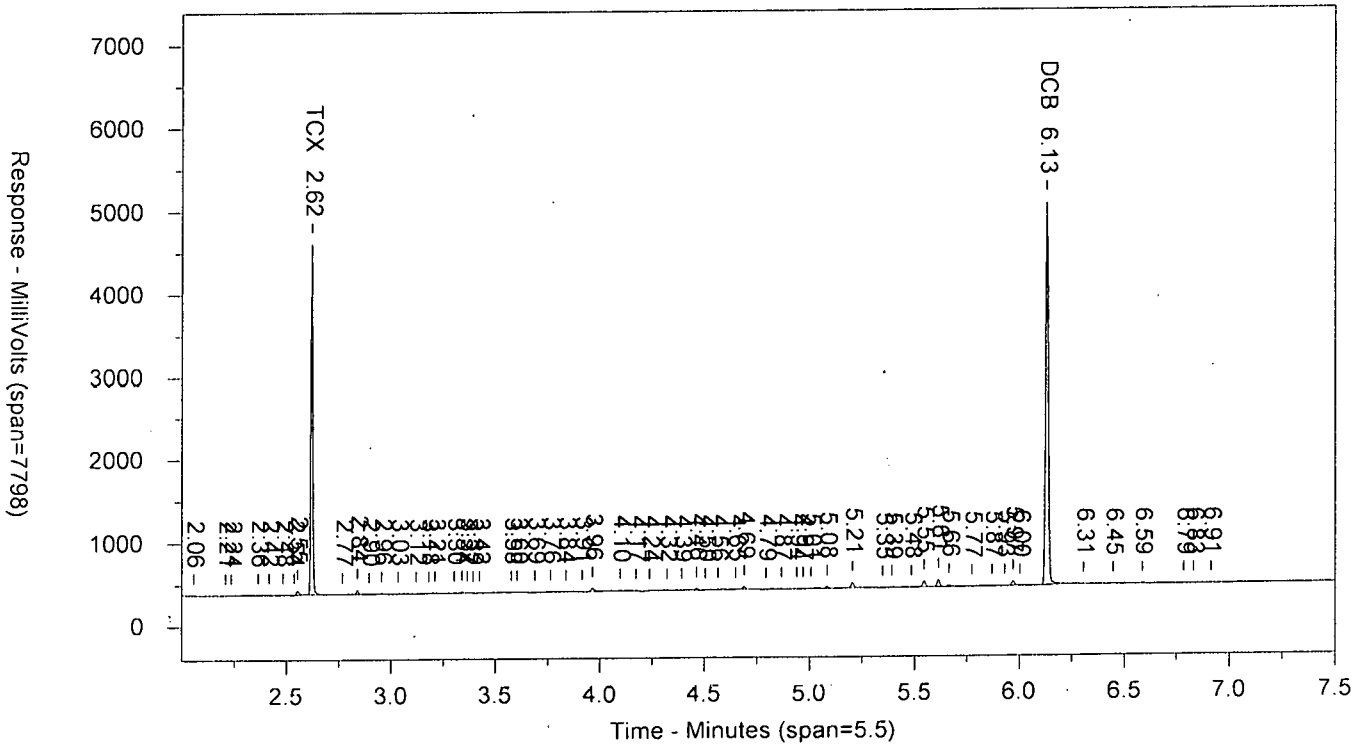

LANCASTER LABORATORIES

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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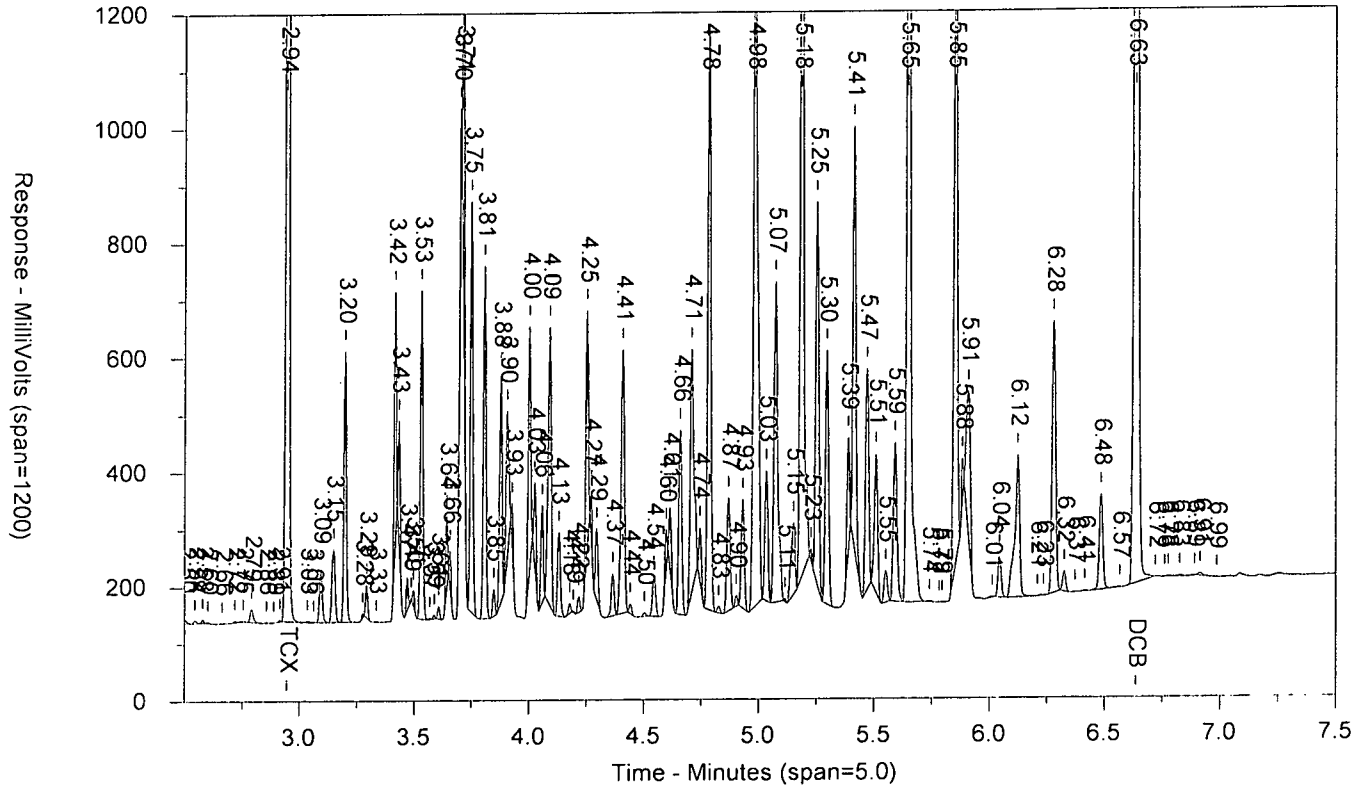

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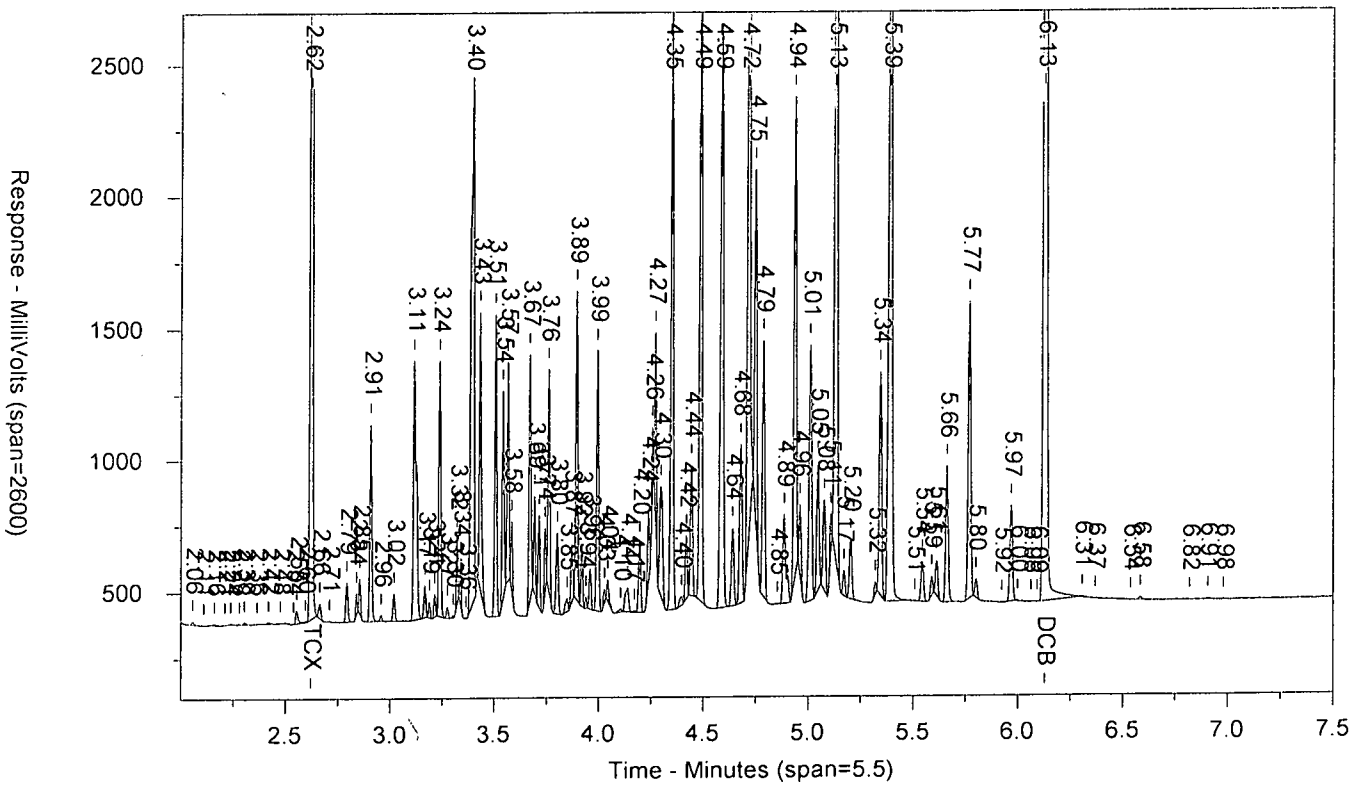

LANCASTER LABORATORIES

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
File Reported On: 5/22/2017 at 4:16:43 PM

AR1631724A DEAR163DE CCAL 1714199999 10736 SW-846 8082

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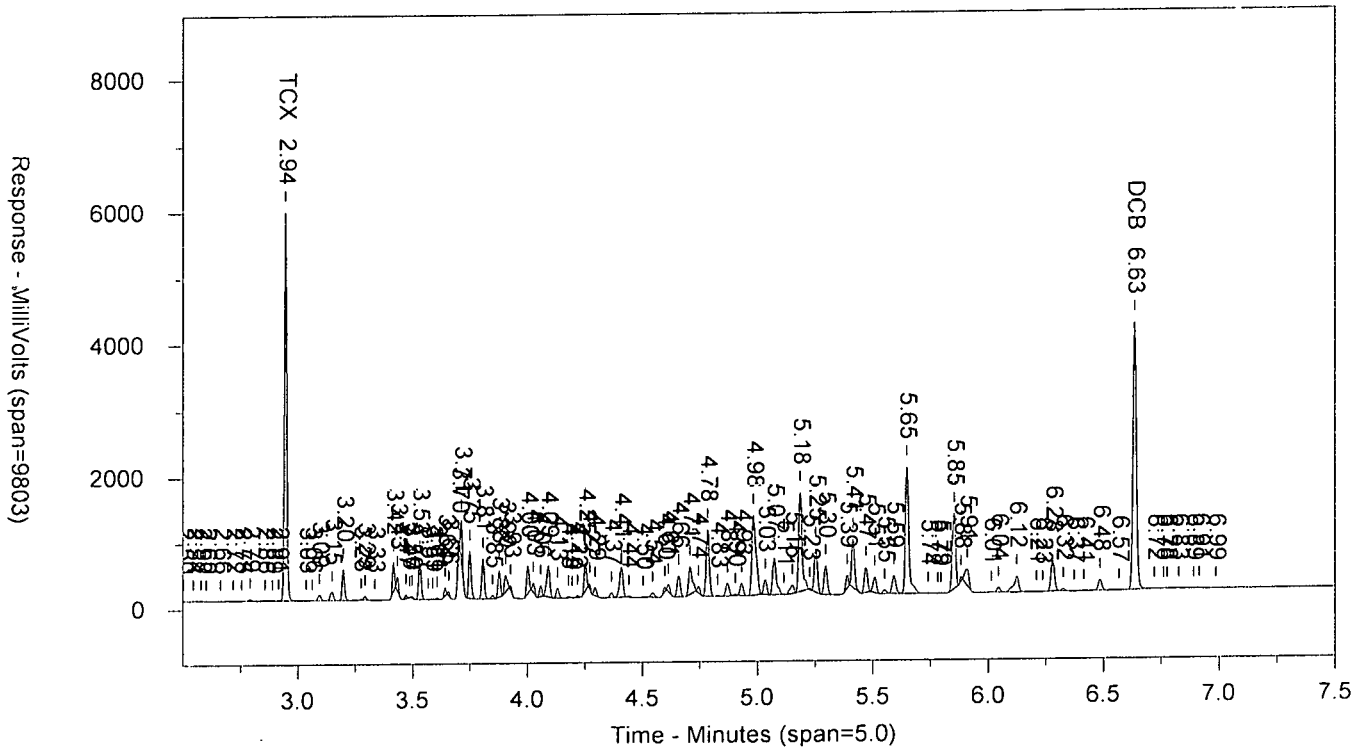

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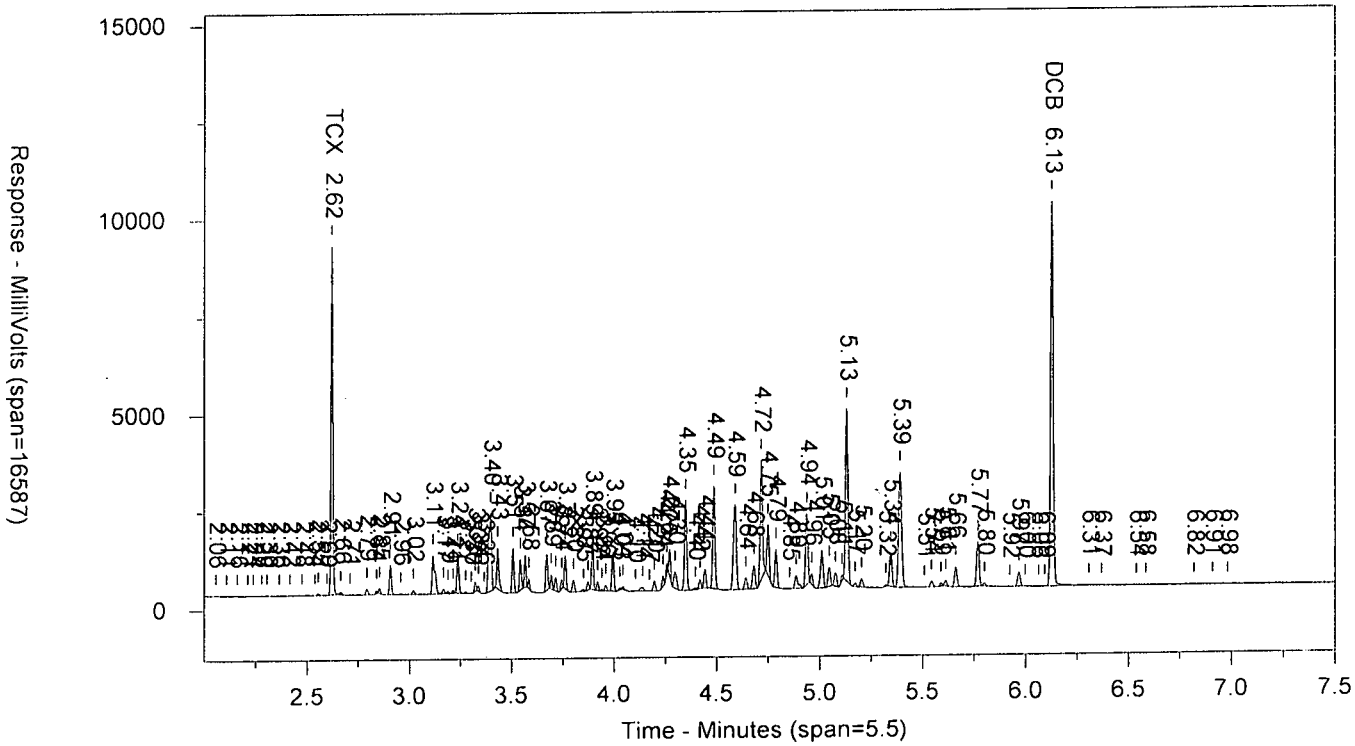

LANCASTER LABORATORIES

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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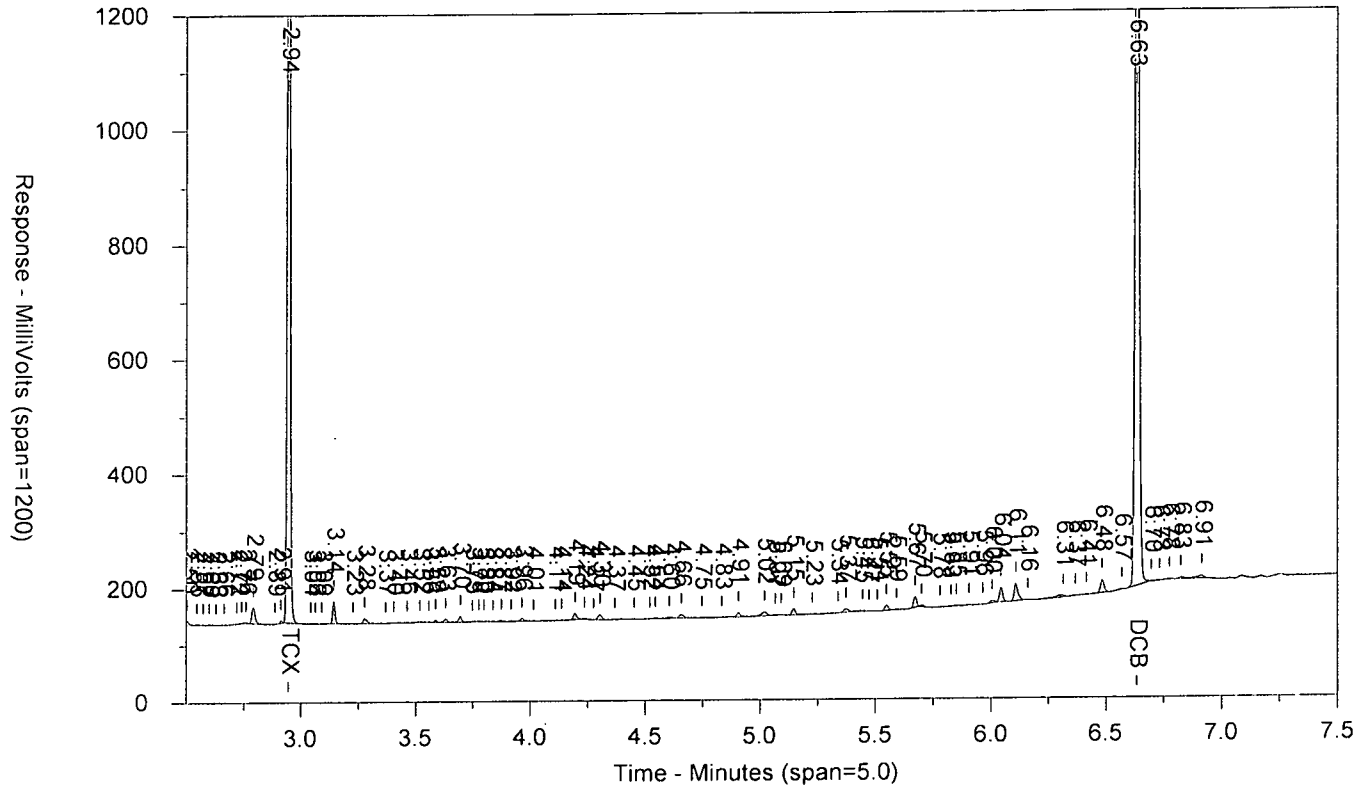

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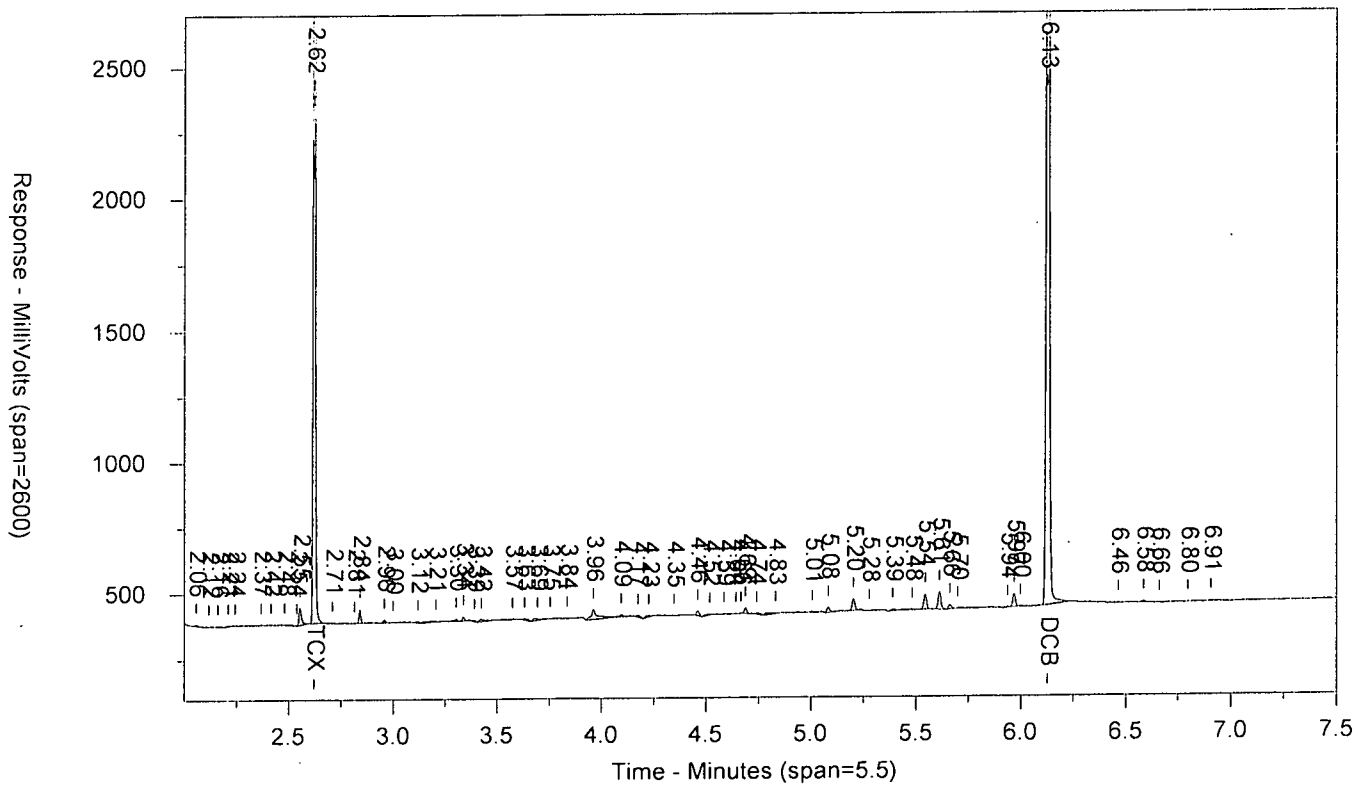

LANCASTER LABORATORIES

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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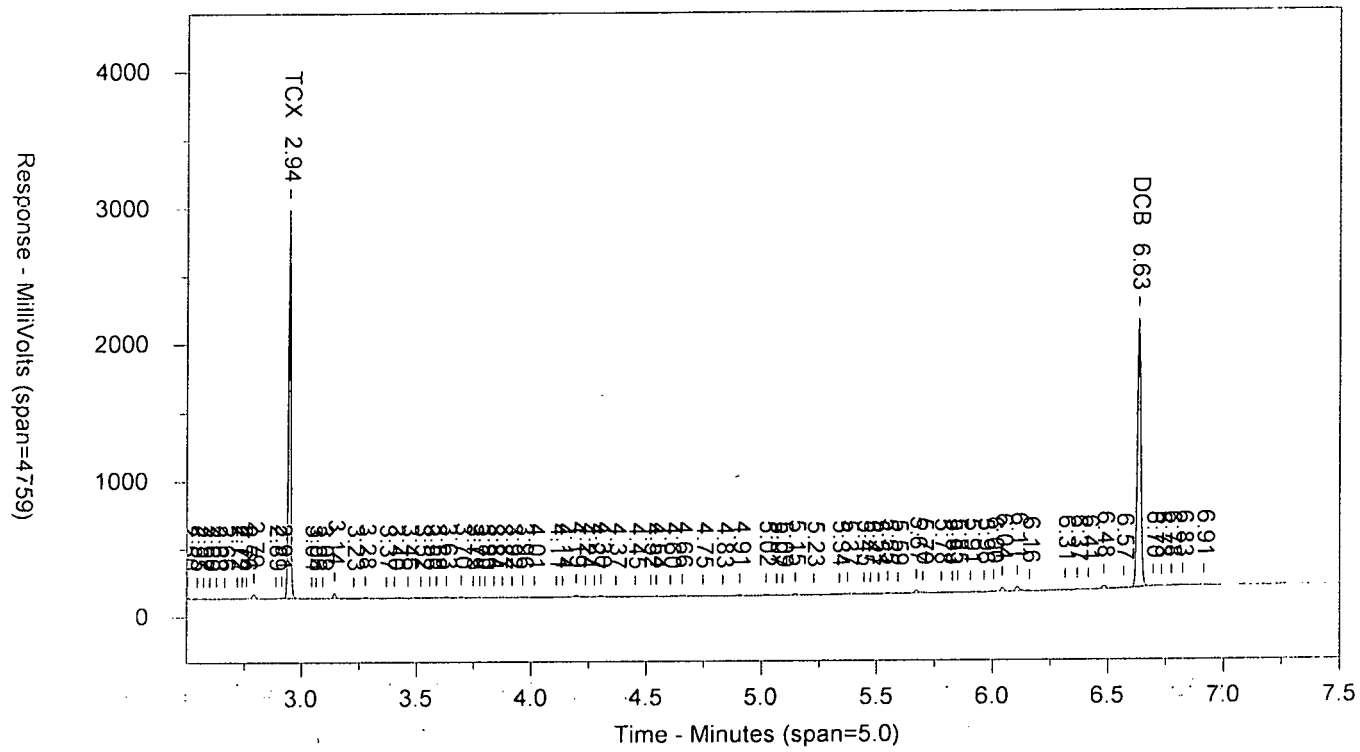

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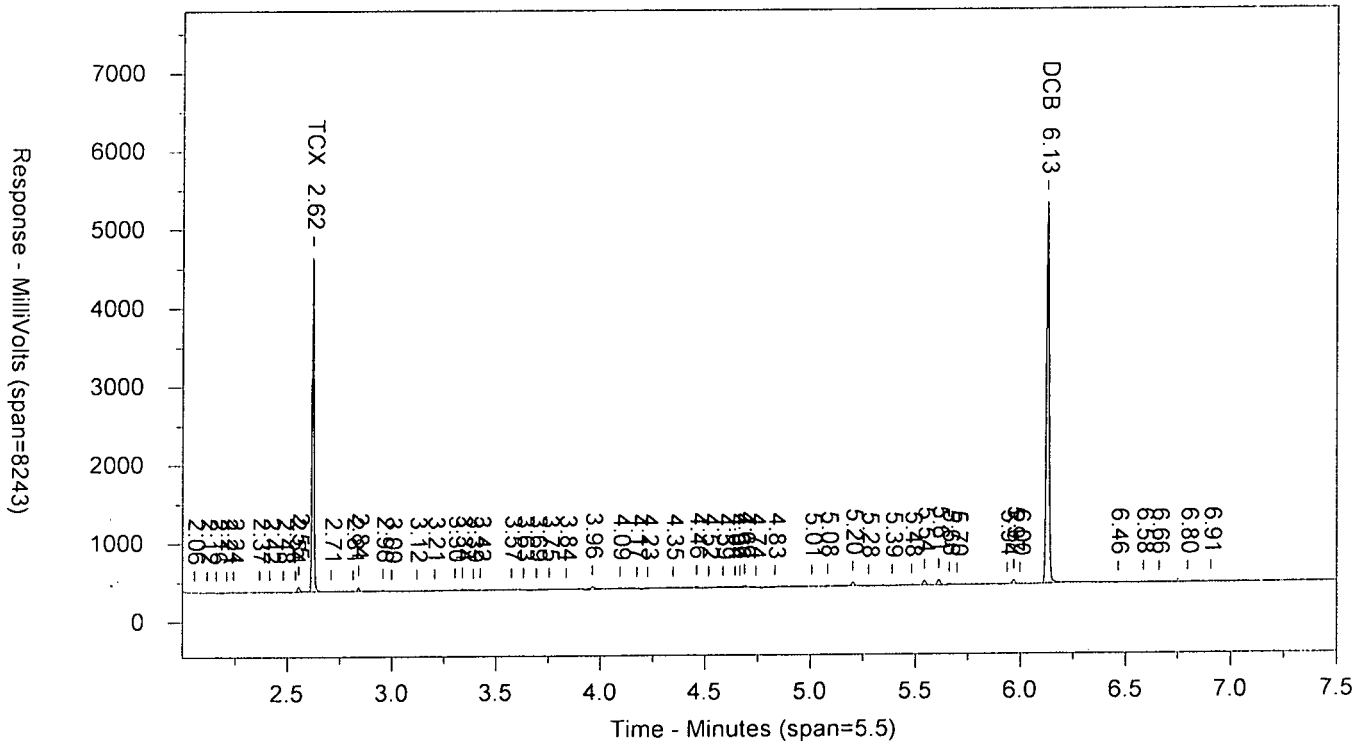

LANCASTER LABORATORIES

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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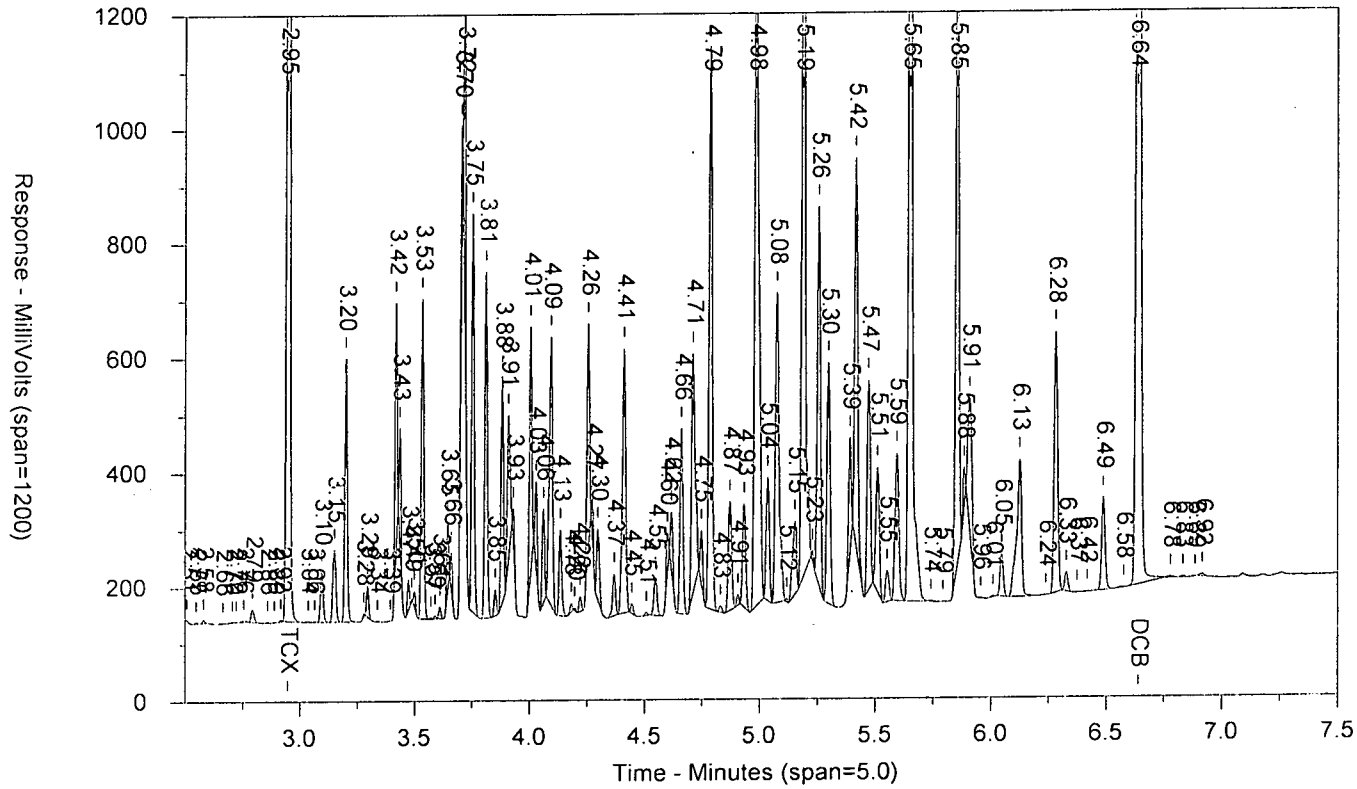

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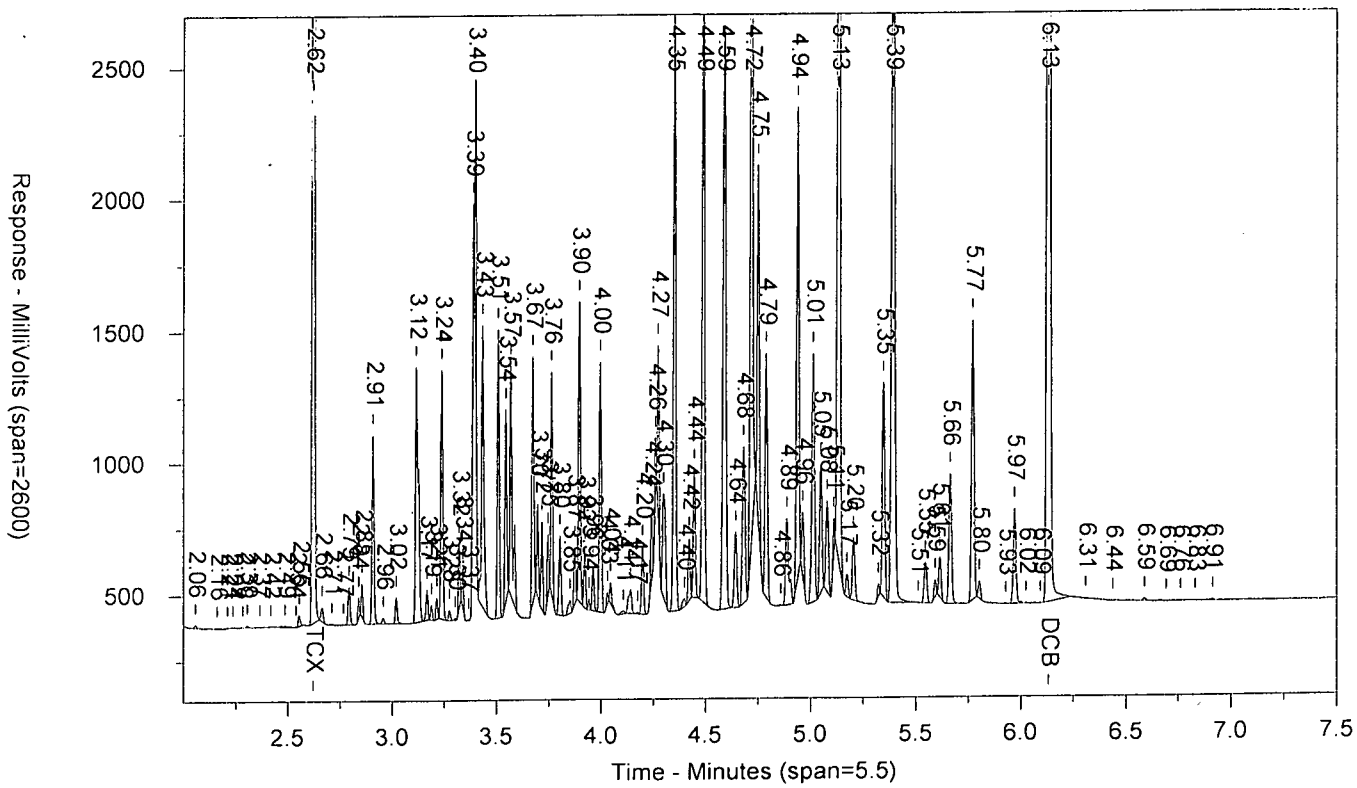

LANCASTER LABORATORIES

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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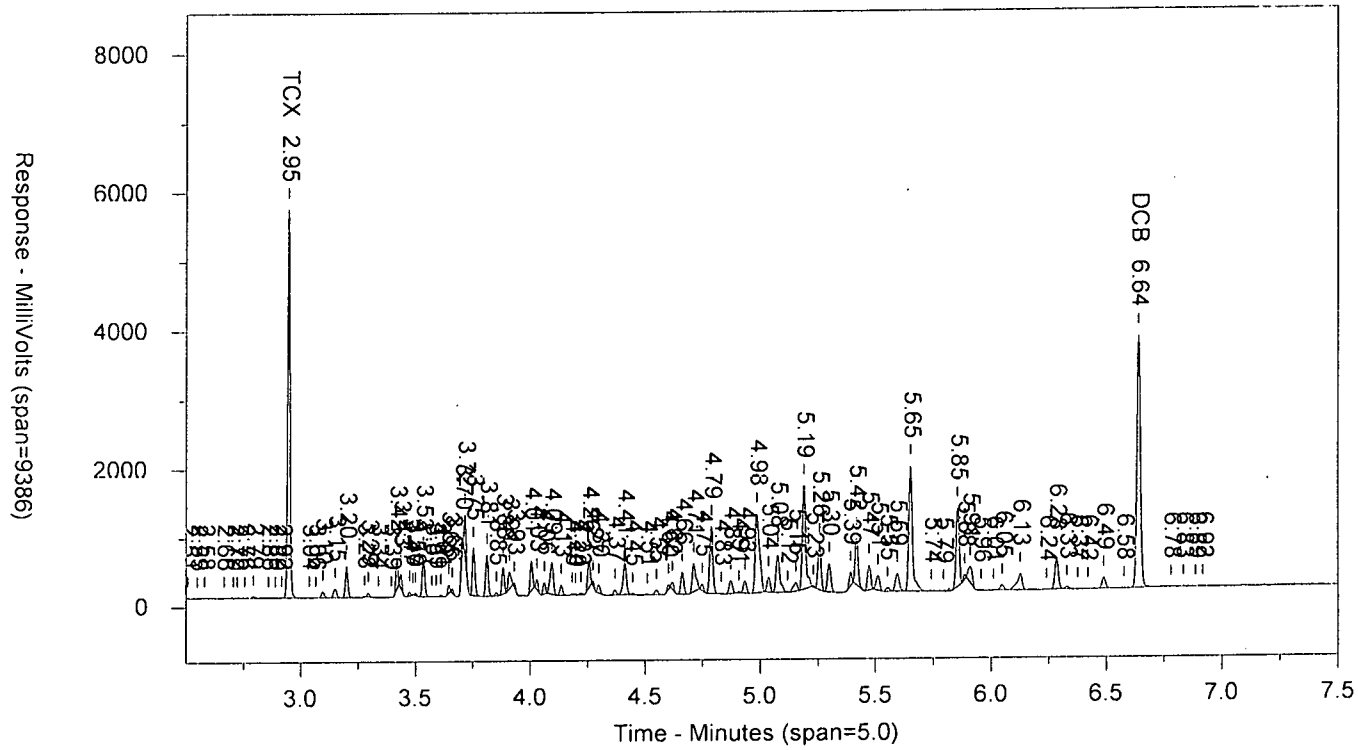

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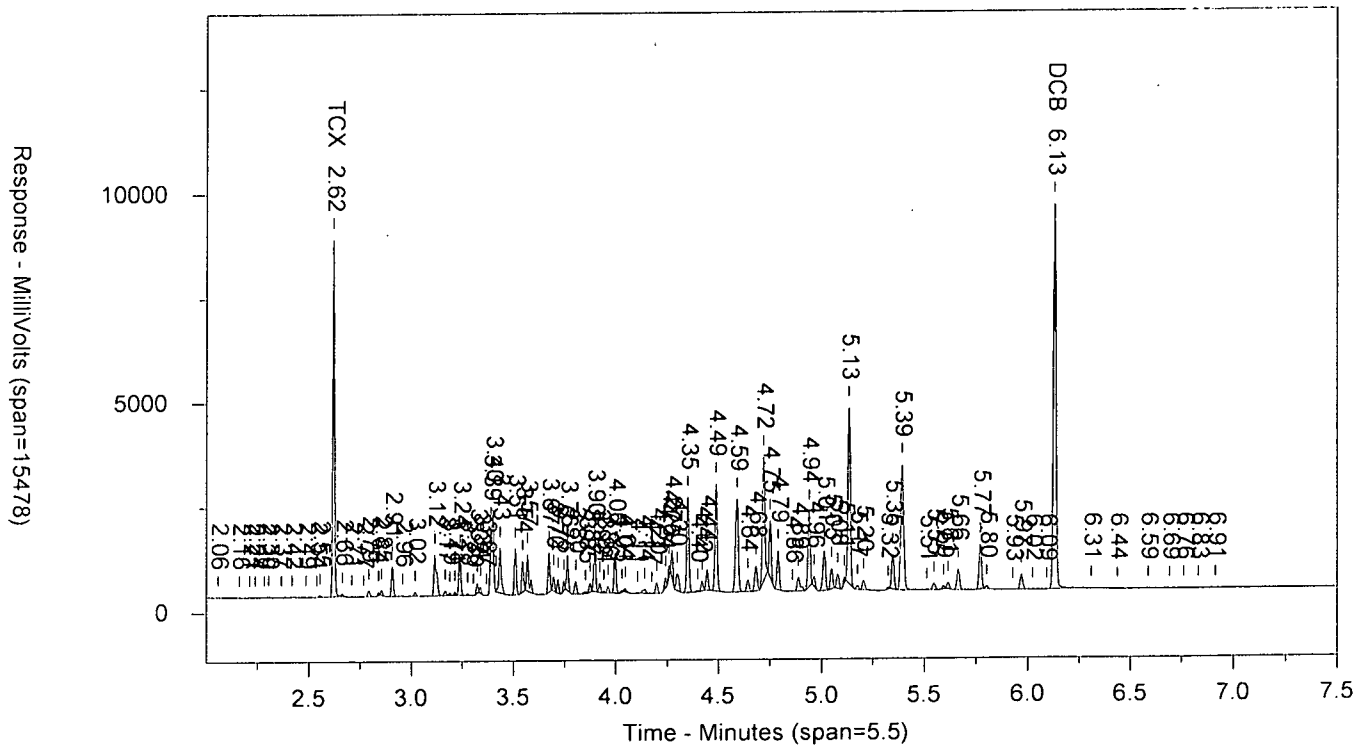

LANCASTER LABORATORIES

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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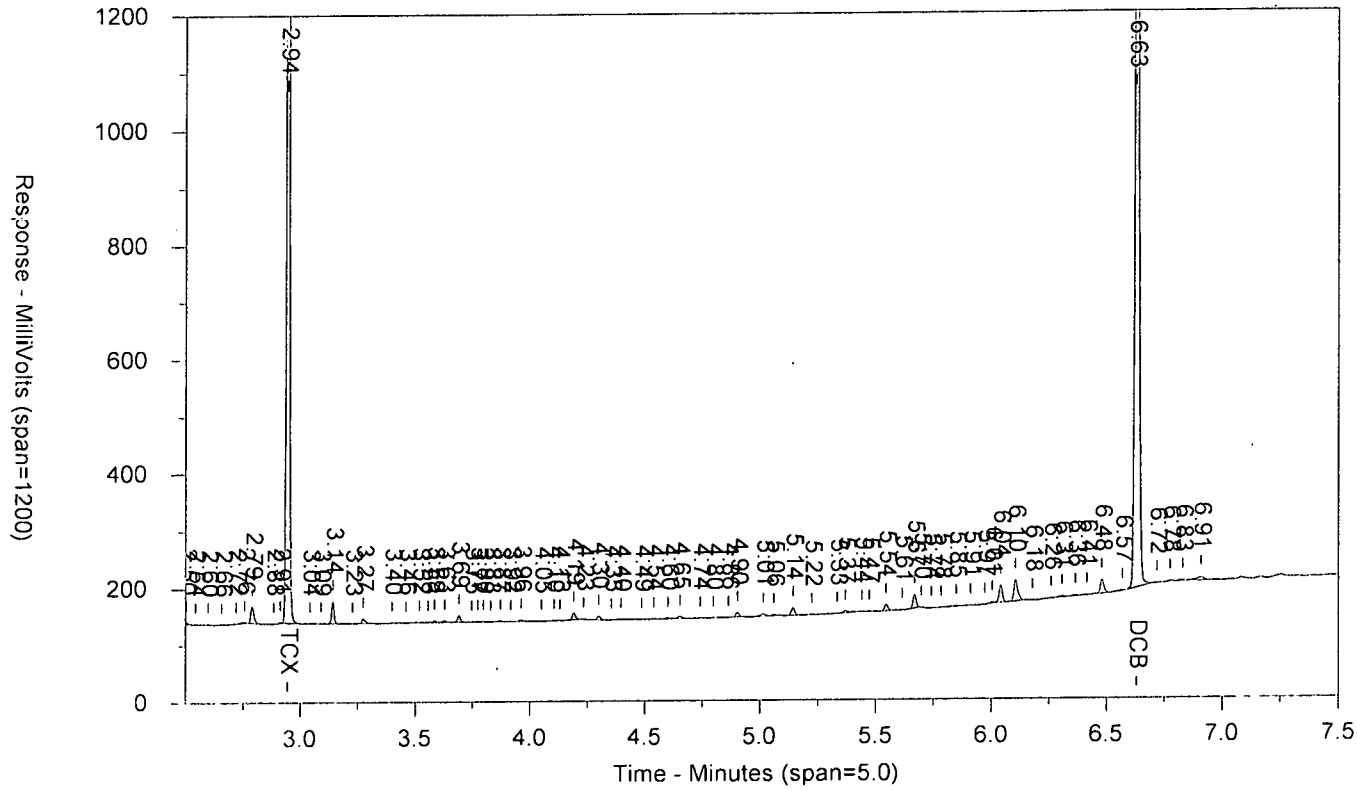

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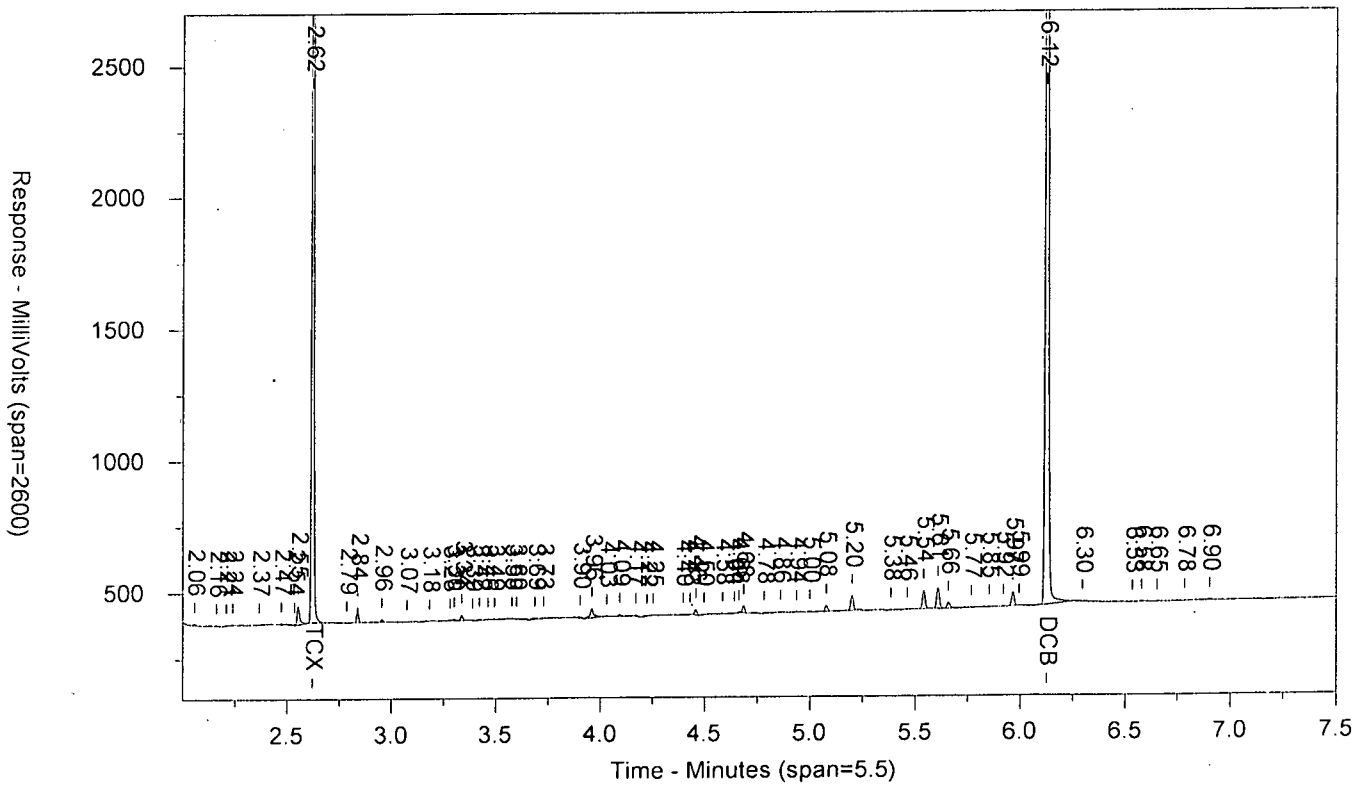

LANCASTER LABORATORIES

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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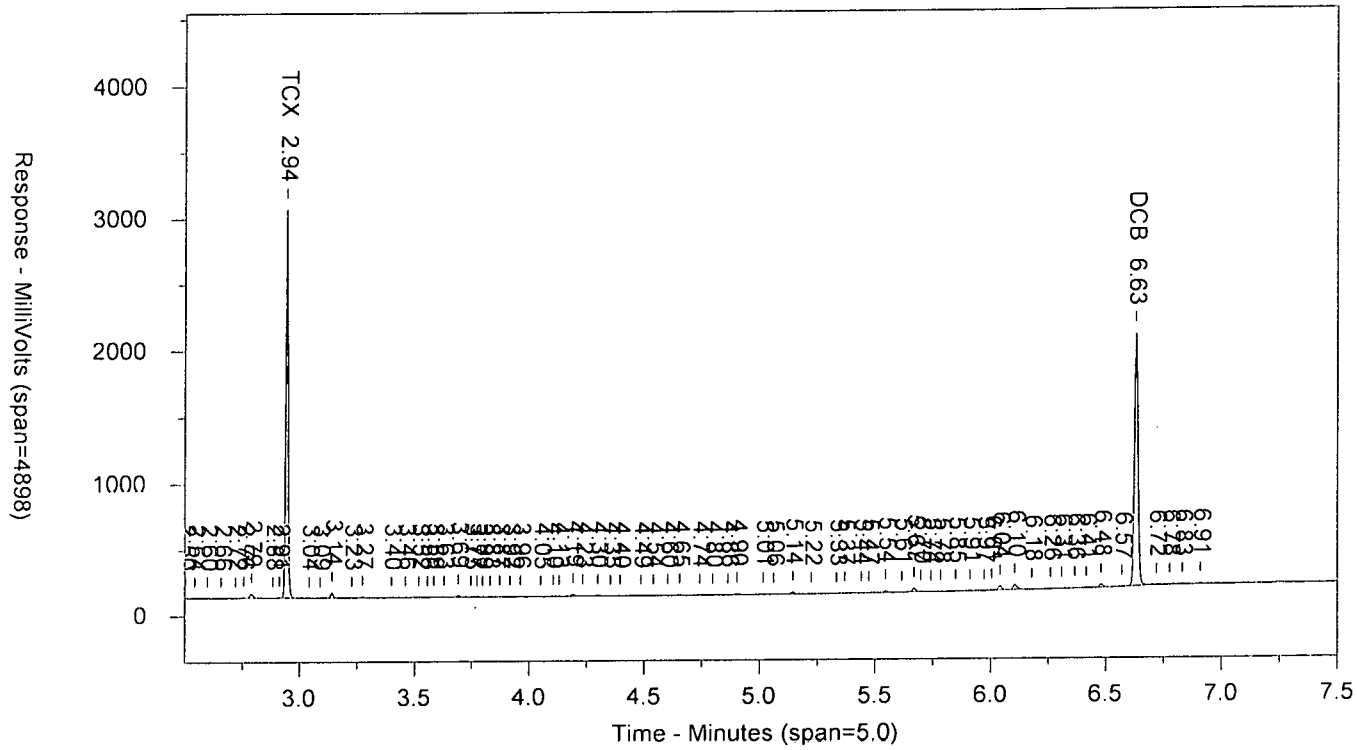

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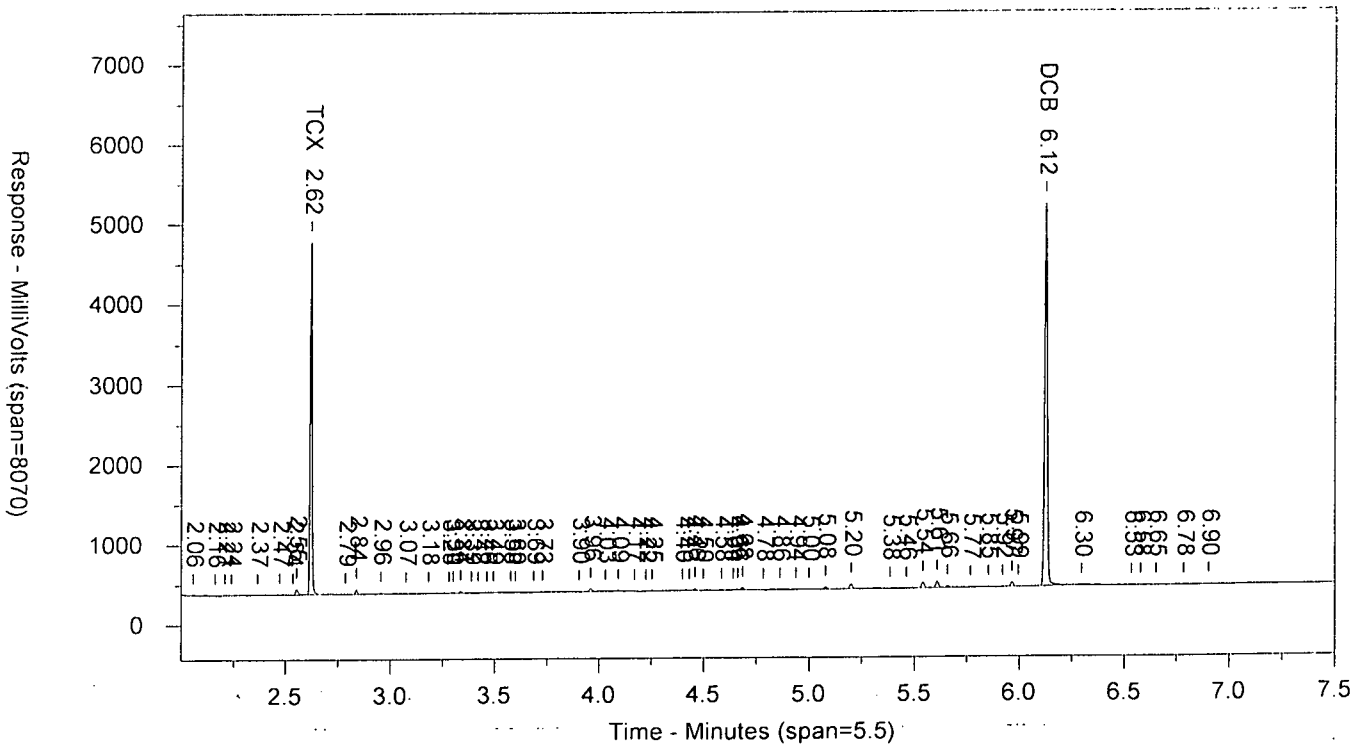

LANCASTER LABORATORIES

Sample Number: AR1631724A CKAR163CK CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:02:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.011.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.104		7386	10080
2.14		1593	2272
2.219		15538	12030
2.311		10435	6745
2.33		4920	2956
2.382		2588	2647
2.426		3126	2626
2.498		1150	1830
2.551		1144	697
2.567		3937	2941
2.66		1933	2783
2.776		22417	18642
2.832		3514	3906
2.925	TCX	4553547	2964600
3.013		984	499
3.077		68211	57092
3.135		94828	98404
3.183		404938	285018
3.255		8882	4961
3.276		51286	34362
3.314		1292	795
3.363		610	378
3.397		386961	239815
3.414		175325	94787
3.45		46830	26778
3.466		11991	4936
3.483		36500	21430
3.513		441877	324506
3.548		1773	865
3.568		14294	8463
3.587		12790	7238
3.623		90514	52640
3.637		44659	20511
3.683		150592	95505
3.692		421364	212733
3.728		503116	372005
3.788		395162	316715
3.828		33181	23116
3.855		288975	214416
3.882		219549	177612
3.904		63507	33551
3.979		330033	239410
4.003		112258	75047
4.033		124820	93039
4.069		329315	342676
4.109		106924	87874
4.155		14243	10849
4.194		18309	15823
4.228		354062	268033
4.248		84689	50403
4.271		100405	68753
4.296		3692	2330
4.338		58335	48997
4.381		383898	358072

RT A	Compound A	Height A	Area A
4.415		10060	6386
4.479		4058	3218
4.52		42392	43214
4.574		35031	24570
4.588		82236	53811
4.635		248599	223367
4.679		351380	390444
4.717		77010	57406
4.756		809804	752156
4.799		5089	5294
4.847		130391	148910
4.877		12750	8160
4.904		141635	131909
4.956		957685	1197900
5.006		165271	153802
5.049		446566	492088
5.091		6326	3542
5.128		93058	117932
5.164		1174787	1251708
5.227		520083	474990
5.27		330514	321809
5.392		617074	863266
5.449		300720	278690
5.49		155365	140317
5.53		45270	43922
5.575		212493	213214
5.631		1508248	1526885
5.719		1744	2803
5.837		818067	854966
5.877		51049	70035
5.89		91681	60640
6.021		49437	49966
6.085		44249	34331
6.109		140896	118108
6.18		1783	2715
6.265		343565	356618
6.311		24349	24298
6.464		113839	114968
6.609	DCB	2879912	3087973
7.064		2860	3796
7.266		833	1324
7.446		852	1086
7.937		955	23152

LANCASTER LABORATORIES

Sample Number: AR1631724A CKAR163CK CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:02:05 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137003B.011.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		15435	12766
2.054		37319	26320
2.12		2260	2510
2.158		9495	8243
2.242		17388	22253
2.274		2781	1752
2.3		22248	14585
2.367		3812	2821
2.41		11161	12681
2.479		6315	3867
2.547		65612	40436
2.571		5252	2941
2.593		3270	1962
2.616	TCX	26439450	15185250
2.659		169312	113464
2.704		9786	10895
2.786		399404	264967
2.833		231831	108826
2.847		362305	181398
2.899		2111648	1293165
2.949		64486	36889
3.01		281579	174793
3.105		2615995	2590805
3.157		293536	187405
3.178		164259	92607
3.203		240014	131710
3.227		2607402	1737029
3.263		99042	57940
3.291		105460	49847
3.309		718099	362549
3.325		427503	213059
3.352		7954	4030
3.375		1691449	723304
3.384		3084558	1350246
3.404		112655	40649
3.418		2529033	1696161
3.492		3102468	1897417
3.527		2053043	1245852
3.55		2106900	1200396
3.568		734447	372841
3.653		2596906	1686395
3.676		922933	496759
3.697		919097	525872
3.726		589053	310608
3.742		2270849	1307195
3.784		760451	561128
3.831		119562	100359
3.853		585498	351263
3.875		2985016	1906803
3.9		647679	378307
3.919		97173	47497
3.938		331519	206335
3.973		2481085	1660589
4.007		130925	75002

RT B	Compound B	Height B	Area B
4.023		203977	130277
4.072		19113	11911
4.118		203269	207082
4.151		9265	4413
4.174		629083	450622
4.217		514998	302975
4.236		609162	310559
4.248		1542404	820014
4.275		982893	998747
4.327		5481627	4041849
4.374		81619	71279
4.396		588037	398936
4.421		1172955	879920
4.463		6373551	4874998
4.566		5125724	4904788
4.62		646938	526832
4.657		1389969	1165655
4.694		6417479	5402058
4.726		2911130	2045747
4.765		2239040	1716466
4.837		9160	10265
4.864		743425	786364
4.915		3932789	3135108
4.939		559952	362610
4.99		2063754	1886487
5.025		1040820	857685
5.056		802848	673172
5.087		351480	207668
5.11		9063578	7499352
5.151		204322	150282
5.183		477700	390882
5.301		109065	70098
5.325		1846163	1533224
5.37		5733705	6210627
5.469		3955	2066
5.526		331177	288031
5.57		175335	123009
5.594		332616	281020
5.643		1026824	937129
5.694		2327	1401
5.749		2275827	1950054
5.78		132869	102307
5.948		750196	651925
5.999		3264	2012
6.067		3057	2285
6.107	DCB	19713730	17539430
6.237		6421	5834
6.281		7630	10379
6.556		16595	14236
6.626		1655	1668
6.729		2967	2620
6.78		2518	2525
6.876		2301	4745
7.026		1752	2245
7.121		2833	4674
7.191		2879	5501
7.412		4082	10650
7.531		2969	5147
7.596		3078	6698
7.781		1858	3642
7.837		2105	3851
8.13		2006	3879
8.212		17593	32393
8.359		1888	1493

AR1631724A CKAR163CK CCAL 1713999999 10736 SW-846 8082

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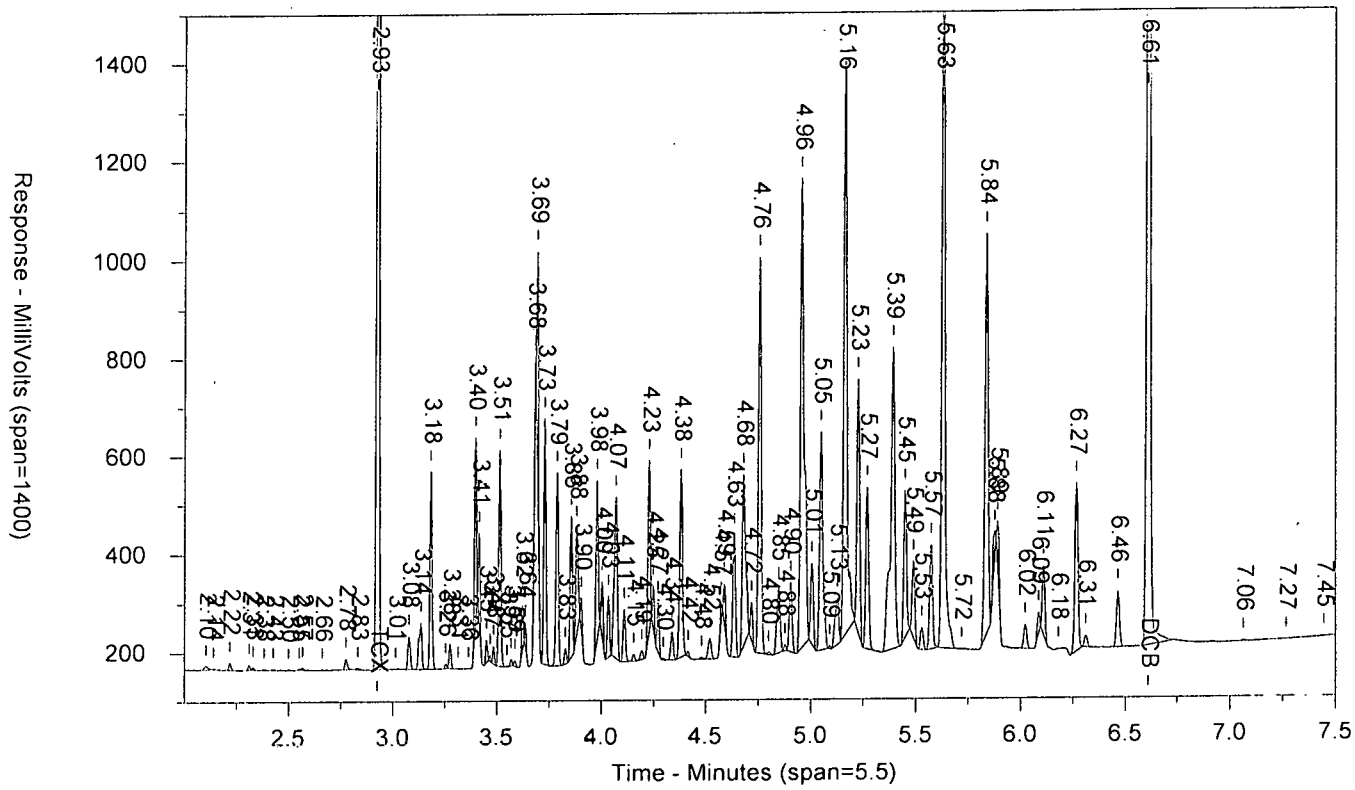

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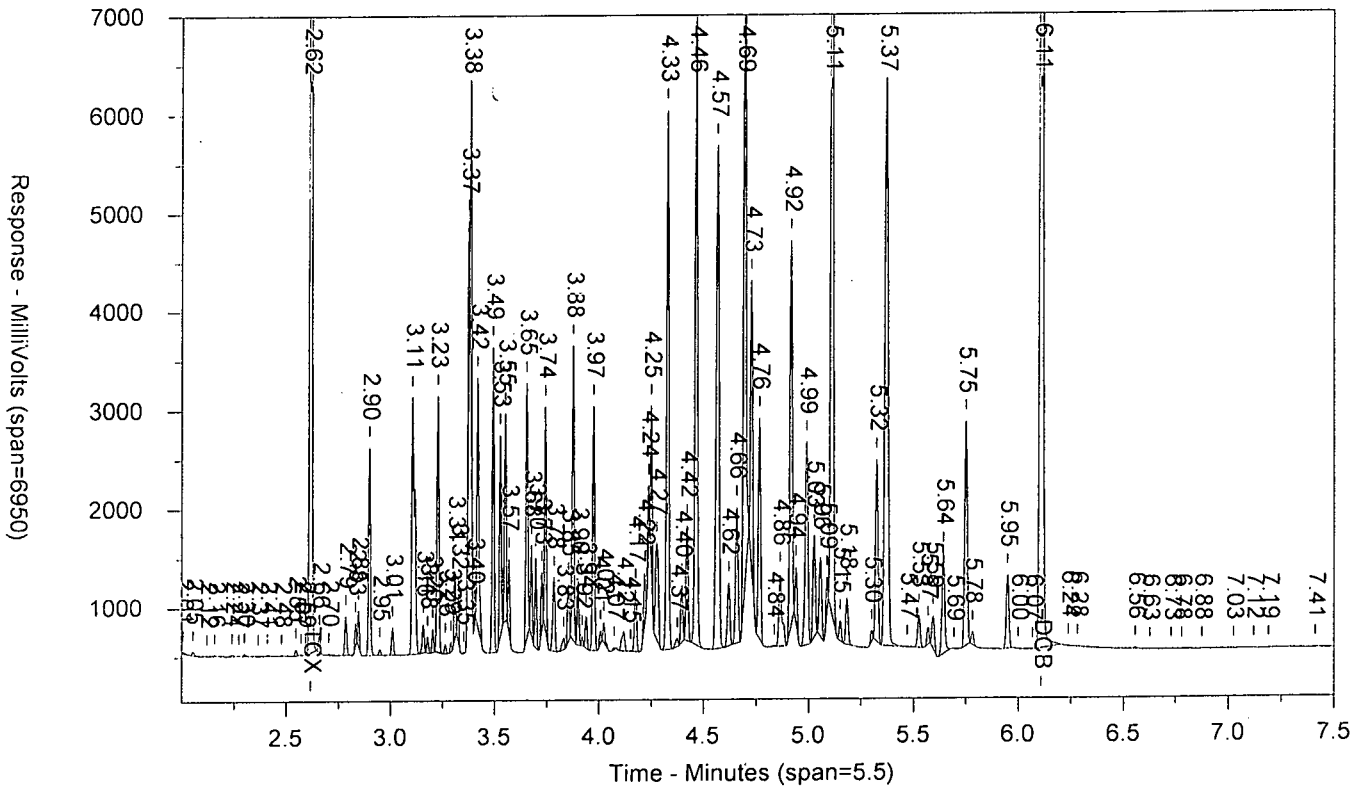

LANCASTER LABORATORIES

Sample Number: AR1631724A CKAR163CK CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:02:05 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.925	4553547	40.07	TCX	2.616	26439450	38.245	TCX
6.609	2879912	41.849	DCB	6.107	19713730	40.465	DCB

Files:
Area File: 20pcbs17137003.011.RAW
Area File: 20pcbs17137003B.011.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 3:10:49 PM
File Reported On: 5/20/2017 at 3:10:57 PM

AR1631724A CKAR163CK CCAL 1713999999 10736 SW-846 8082

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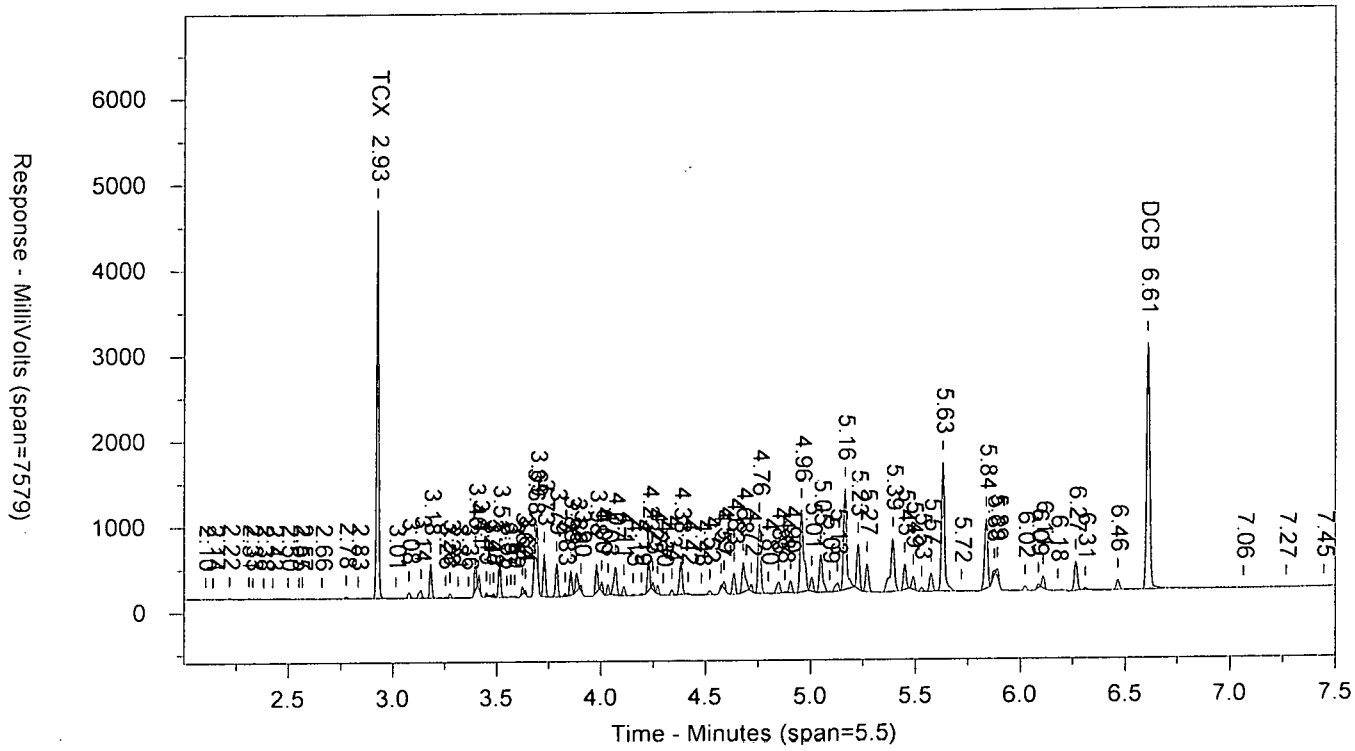

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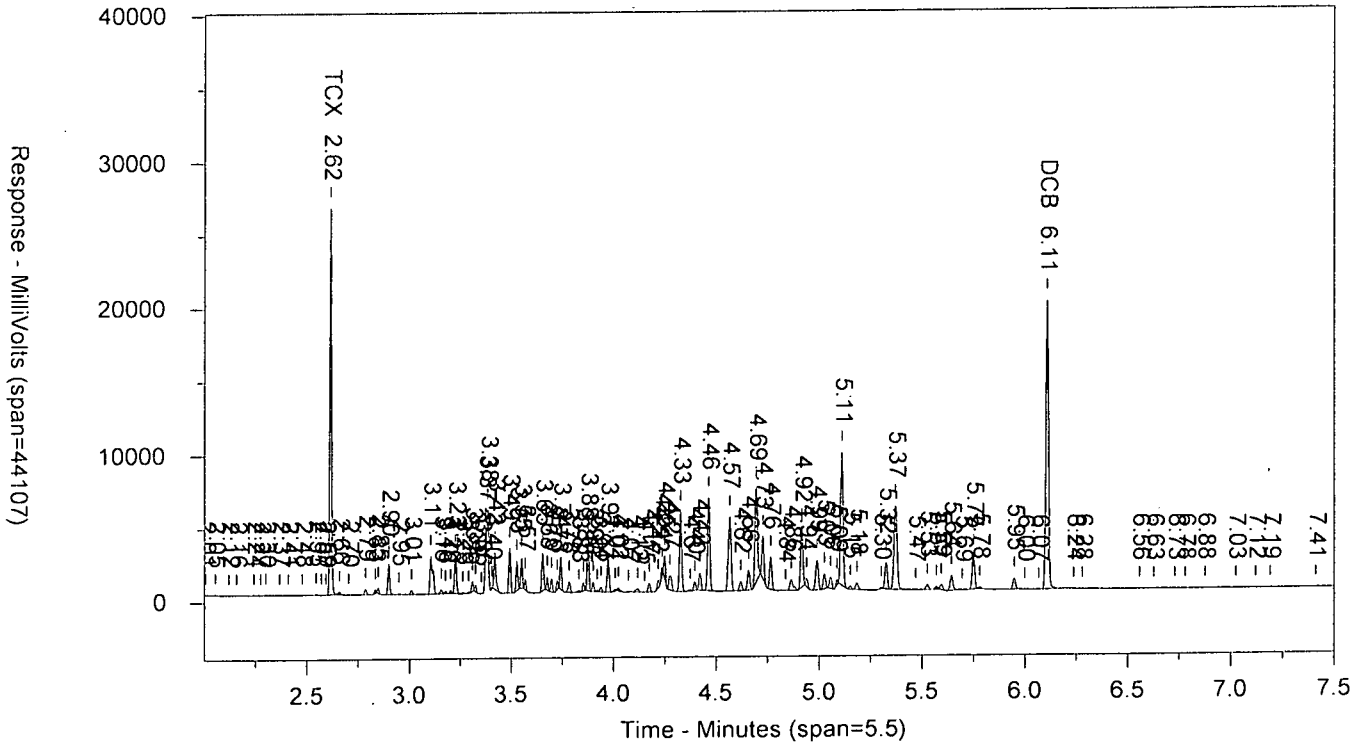

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VEPIBLKVE PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:13:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.012.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		6942	14994
2.218		7517	5288
2.311		9700	6208
2.331		2429	1468
2.382		1992	2112
2.427		4140	3692
2.497		893	1200
2.549		2656	4873
2.661		1112	934
2.721		1017	1069
2.776		18280	15613
2.83		5018	4494
2.925	TCX	2119166	1440581
3.125		29558	19004
3.193		5005	4541
3.254		5330	3596
3.492		2560	1985
3.53		3043	2547
3.568		7905	5112
3.665		6306	4745
3.73		700	517
3.768		1176	1079
3.85		2899	3049
4.067		573	1873
4.172		2043	1794
4.265		828	791
4.298		5349	5943
4.509		3017	3475
4.575		1193	1544
4.856		1696	1484
4.878		3855	3017
4.922		2121	2234
5.12		8662	8608
5.205		3168	3749
5.531		9695	10120
5.653		14858	14843
5.841		2487	4045
6.023		19863	19569
6.088		17946	16222
6.11		2936	2033
6.466		15090	15668
6.611	DCB	1416529	1521658
7.066		1624	1555
7.145		831	762
7.91		728	16333
8.404		951	2231
8.681		3805	4620

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VEPIBLKVE PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:13:33 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137003B.012.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		8877	5846
2.054		18224	13463
2.157		7275	6226
2.24		17917	25843
2.344		2019	1290
2.364		2692	2284
2.412		9391	9348
2.478		5989	3796
2.524		3115	2788
2.547		52780	29675
2.57		2423	1630
2.593		4373	2190
2.616	TCX	12959160	7631597
2.78		8226	4961
2.802		3450	2122
2.833		174880	110727
2.895		5609	11934
2.95		32695	20185
3.129		9131	19948
3.182		23836	30441
3.226		6539	4649
3.268		4608	2775
3.291		63330	36576
3.325		55663	34132
3.354		2061	1366
3.377		4841	6417
3.408		11418	7509
3.448		13313	17498
3.542		5136	7503
3.712		5379	7955
3.772		3923	2950
3.829		2436	1853
3.934		8354	6139
3.984		3493	8762
4.072		38376	32498
4.11		2779	2003
4.151		5815	6110
4.197		6963	7866
4.242		6458	14065
4.329		3464	2460
4.369		2391	2895
4.439		32596	37123
4.553		860	8761
4.58		9497	7464
4.621		2902	1840
4.642		2898	1819
4.668		52266	40540
4.843		5132	13293
4.914		3587	2598
4.982		4243	4359
5.062		50175	50599
5.161		296	5591
5.184		93989	88101
5.326		1707	1821

RT B	Compound B	Height B	Area B
5.37		4682	4495
5.474		1910	1887
5.526		130075	113615
5.595		147221	127209
5.644		40565	37377
5.904		2120	1580
5.949		102497	85860
5.979		3272	1997
6.108	DCB	9609694	8753476
6.556		8082	6859
6.874		1900	3475
7.849		1576	1740
7.986		1731	2929
8.212		18419	32878
8.639		1468	6741

IBLKX1724A VEPIBLKVE PIBLK1713999999 10736 SW-846 8082

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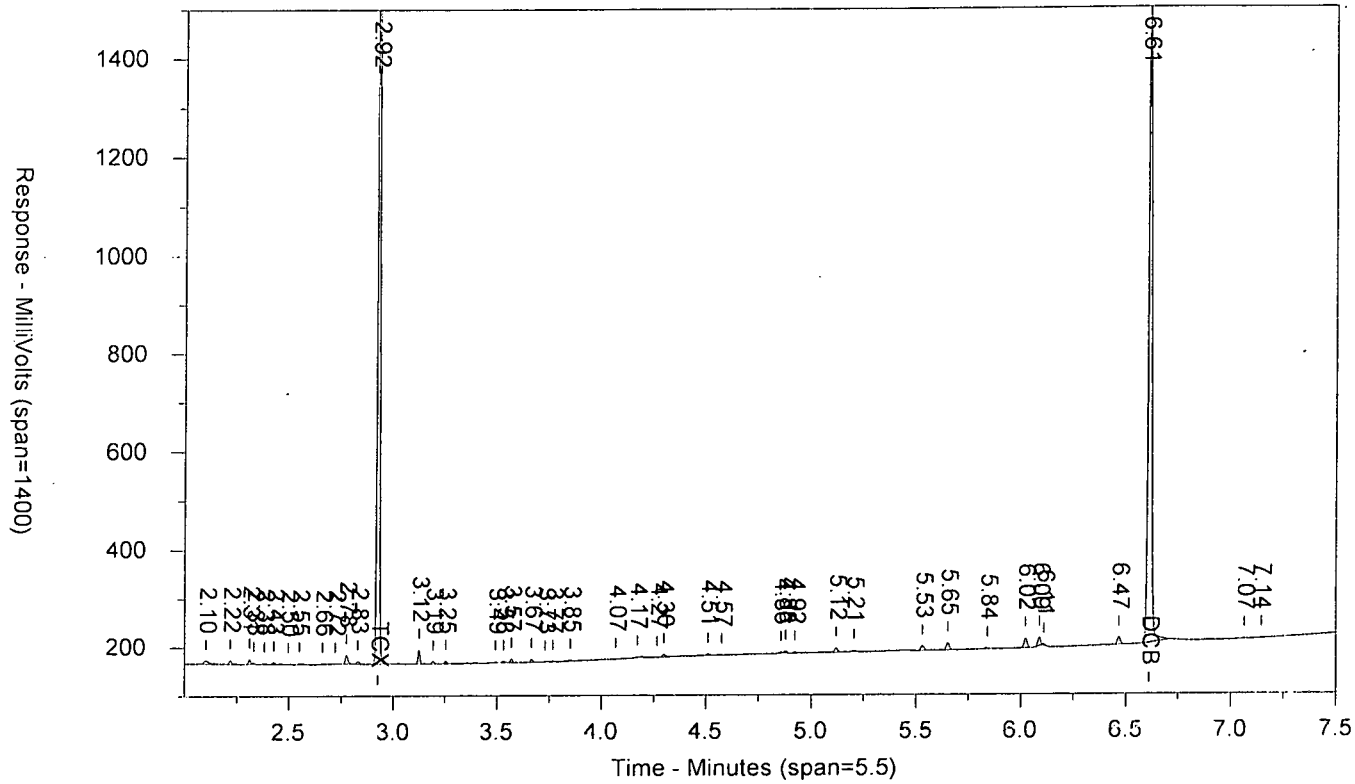

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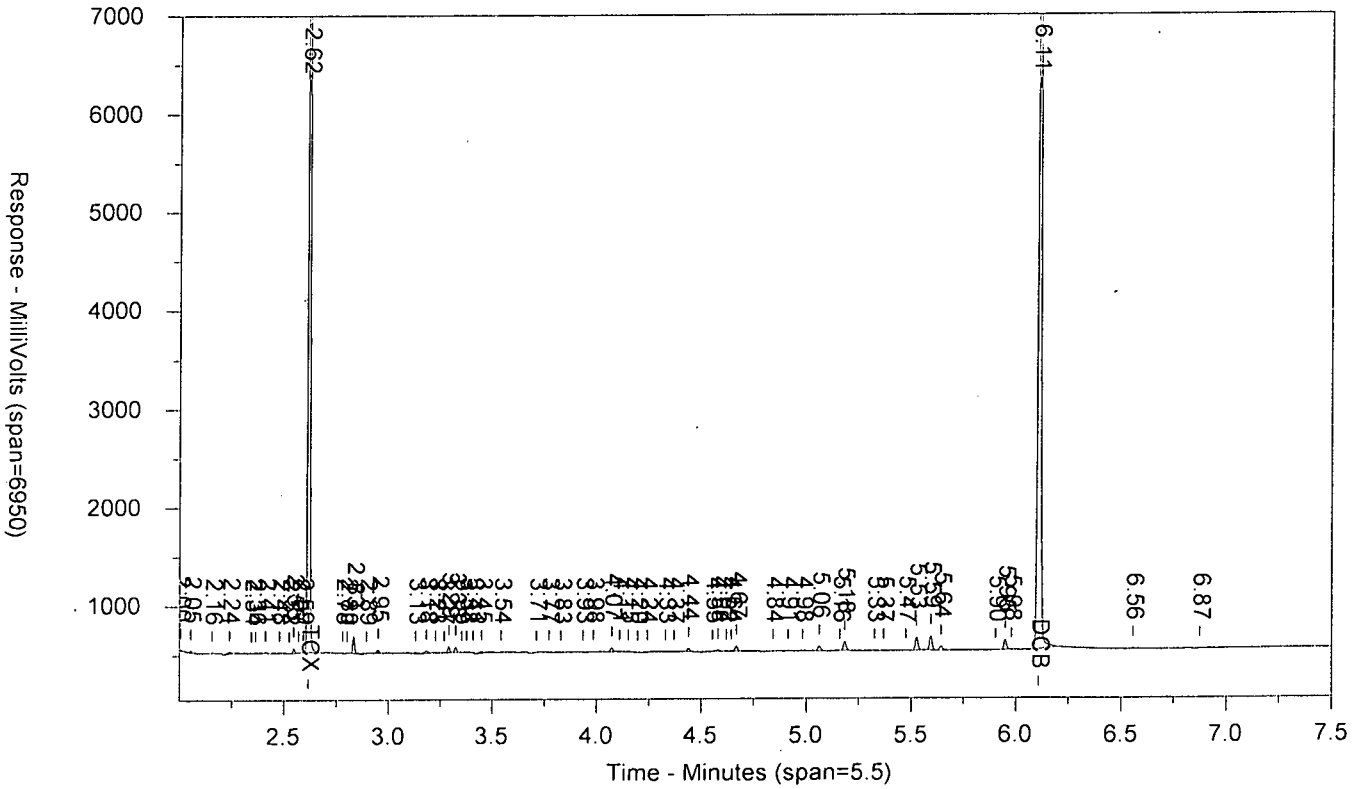

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VEPIBLKVE PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 3:13:33 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
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
2.925	2119166	.186	TCX	2.616	12959160	.187	TCX
6.611	1416529	.206	DCB	6.108	9609694	.197	DCB

Files:
Area File: 20pcbs17137003.012.RAW
Area File: 20pcbs17137003B.012.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 3:22:18 PM
File Reported On: 5/20/2017 at 3:22:29 PM

IBLKX1724A VEPIBLKVE PIBLK1713999999 10736 SW-846 8082

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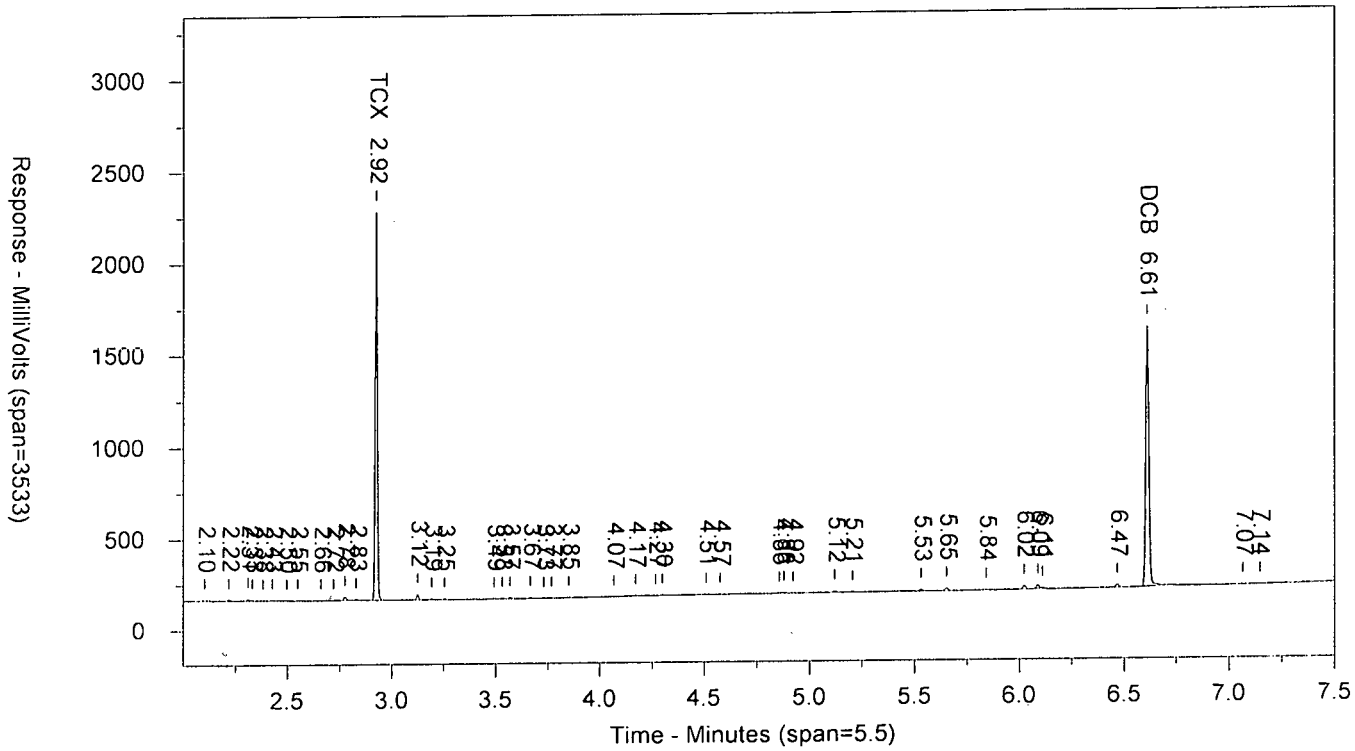

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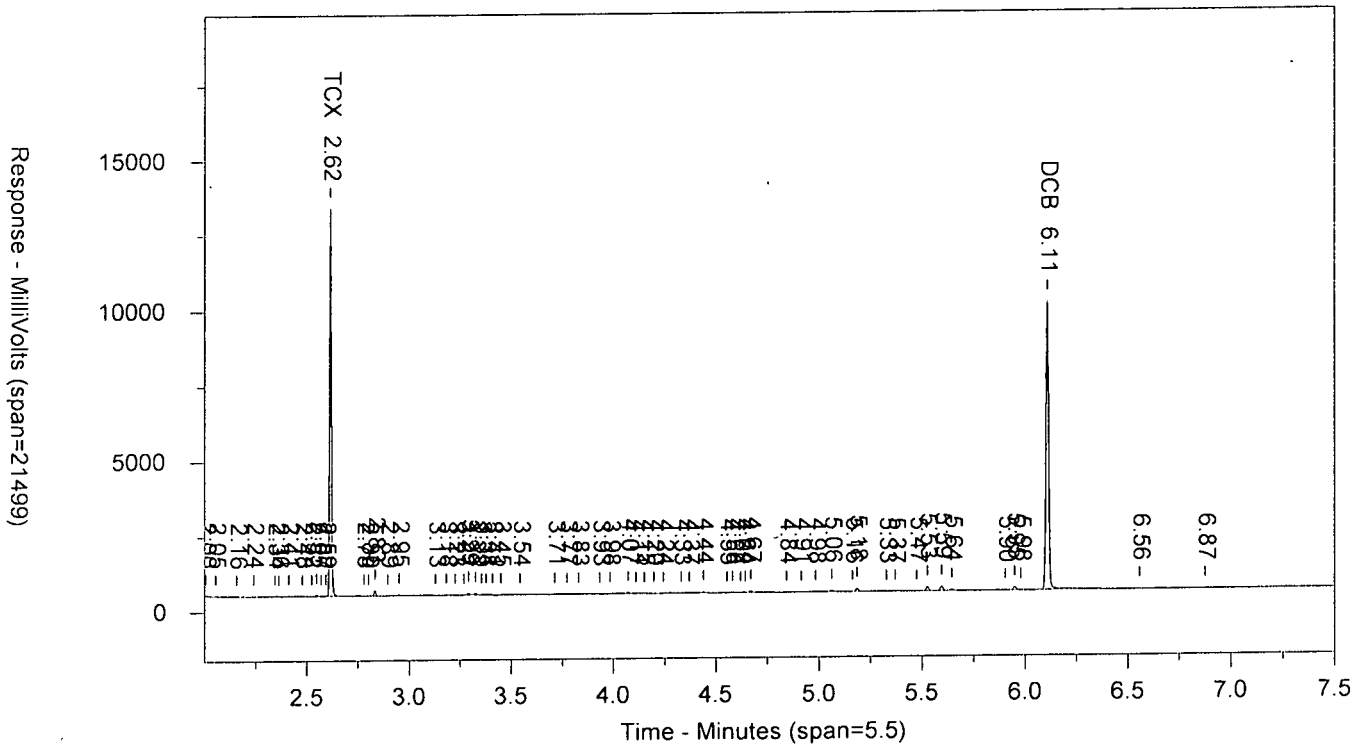

LANCASTER LABORATORIES

Sample Number: AR1631724A CLAR163CL CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:07:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.022.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.102		7094	9424
2.219		16089	12239
2.311		8040	5061
2.33		5171	3089
2.384		1741	2066
2.427		2359	2239
2.566		5466	6659
2.661		1199	1066
2.775		20112	16276
2.829		2621	3395
2.925	TCX	4900163	3162167
3.012		1105	545
3.078		74930	61089
3.134		99309	104576
3.183		430086	302352
3.255		9268	4925
3.276		55133	36264
3.312		1191	964
3.397		426897	251448
3.413		188786	101512
3.45		49936	28544
3.466		14684	5885
3.483		38874	21967
3.513		477707	349501
3.548		1830	992
3.568		16108	9459
3.586		16016	9234
3.623		95806	55092
3.637		47944	22472
3.682		222185	121410
3.692		459768	225758
3.729		524727	397955
3.788		417714	336748
3.827		36840	24919
3.855		317938	228881
3.882		234844	193135
3.903		60149	31984
3.979		333792	249722
4.003		115557	77009
4.033		136318	98412
4.069		341658	365017
4.109		116527	92602
4.154		15780	11699
4.193		19119	15431
4.227		374001	280852
4.248		91490	52914
4.271		98882	72300
4.298		2641	1518
4.338		59947	51801
4.381		396634	379758
4.415		12159	8250
4.478		5529	4565
4.518		70587	71360
4.574		35910	26760

RT A	Compound A	Height A	Area A
4.588		80934	53478
4.634		259274	231855
4.679		363853	403246
4.717		91802	63886
4.756		838181	779535
4.798		12031	11096
4.847		136142	152919
4.879		23043	16080
4.904		144634	125614
4.957		1007827	1225233
5.006		170917	156251
5.049		460362	504191
5.093		8992	5235
5.126		103915	137760
5.165		1205926	1264715
5.227		539628	471492
5.27		341722	332233
5.391		629046	879904
5.45		306761	273626
5.489		157791	146265
5.53		60101	60159
5.575		212418	210507
5.631		1521355	1543418
5.838		809606	837060
5.876		71270	71958
5.889		69275	53939
6.022		68679	70724
6.087		60876	47979
6.108		130390	109227
6.267		317960	330449
6.311		23344	22519
6.392		1295	1544
6.465		110643	116097
6.61	DCB	2697396	2758356
6.826		1005	678
7.067		2659	3132
7.814		651	6684
8.005		768	2805

LANCASTER LABORATORIES

Sample Number: AR1631724A CLAR163CL CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:07:43 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137003B.022.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.008		11849	9794
2.054		41451	28343
2.121		3122	2046
2.156		6378	6484
2.24		14899	19633
2.271		2718	1873
2.301		25039	16218
2.367		3131	2219
2.412		8169	12201
2.478		9491	17843
2.527		7651	7054
2.547		63659	37336
2.57		5766	3733
2.591		2678	1122
2.616	TCX	29733430	16878710
2.659		193118	132748
2.704		9979	9025
2.786		446470	303071
2.833		265832	122775
2.847		401567	200272
2.899		2322733	1419561
2.949		72992	41718
3.01		308107	192546
3.105		2986799	2841671
3.157		343142	211880
3.178		185366	104357
3.203		258693	144348
3.227		2965395	1920166
3.264		128543	74266
3.291		112746	53097
3.309		756176	396311
3.325		496464	237051
3.353		5322	3024
3.375		1563390	764920
3.384		3485619	1503040
3.405		107774	44433
3.418		3037200	1940920
3.492		3487870	2090341
3.527		2275244	1396786
3.55		2493186	1377513
3.568		795190	398678
3.654		2898704	1845218
3.676		1082297	561644
3.697		983412	572546
3.726		679263	356686
3.743		2410345	1392390
3.784		835674	612327
3.831		170407	141749
3.853		632731	375183
3.876		3135304	2070566
3.9		678919	401178
3.92		112005	53923
3.938		371529	228771
3.974		2641070	1787936

RT B	Compound B	Height B	Area B
4.008		140670	84889
4.023		225566	143599
4.072		17113	10625
4.085		14960	8412
4.11		293875	350826
4.152		31575	16912
4.175		715376	504776
4.218		559712	347792
4.236		550656	284829
4.249		1702664	909237
4.275		1018227	1048061
4.327		5751660	4308042
4.37		109938	103928
4.397		593481	408985
4.421		1227874	866623
4.439		29244	9512
4.464		6500387	4987666
4.566		5542298	5163976
4.62		710824	606070
4.657		1405119	1228768
4.695		6839411	5530378
4.727		3035308	2149089
4.766		2249101	1745025
4.833		10812	12848
4.865		673573	481715
4.882		86777	44666
4.917		4068037	3231065
4.94		604640	392460
4.991		2107857	1940696
5.027		1094282	869747
5.057		872202	756023
5.088		332041	205427
5.111		9246900	7576860
5.151		204596	151261
5.184		677072	576561
5.302		109492	67565
5.325		1872615	1535259
5.37		6258562	6748570
5.526		489174	424856
5.57		157746	107717
5.595		527273	425991
5.643		1161208	1000742
5.75		2168059	1909754
5.781		130609	97446
5.9		3704	2635
5.949		759651	660043
6.107	DCB	19083480	16447930
6.282		8683	13115
6.557		15930	20745
7.191		1941	2585
7.303		2385	4052
8.048		2198	3648
8.213		20139	38394

AR1631724A CLAR163CL CCAL 1713999999 10736 SW-846 8082

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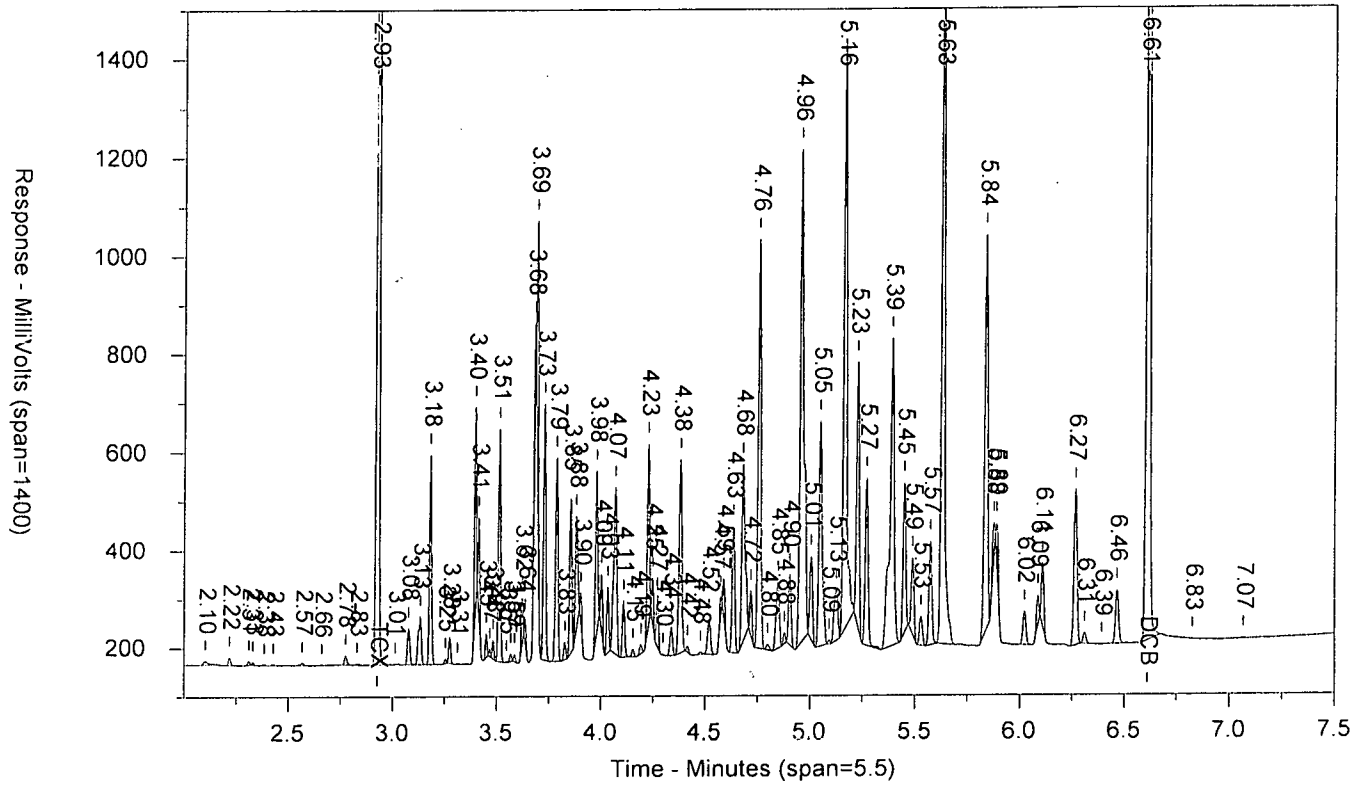

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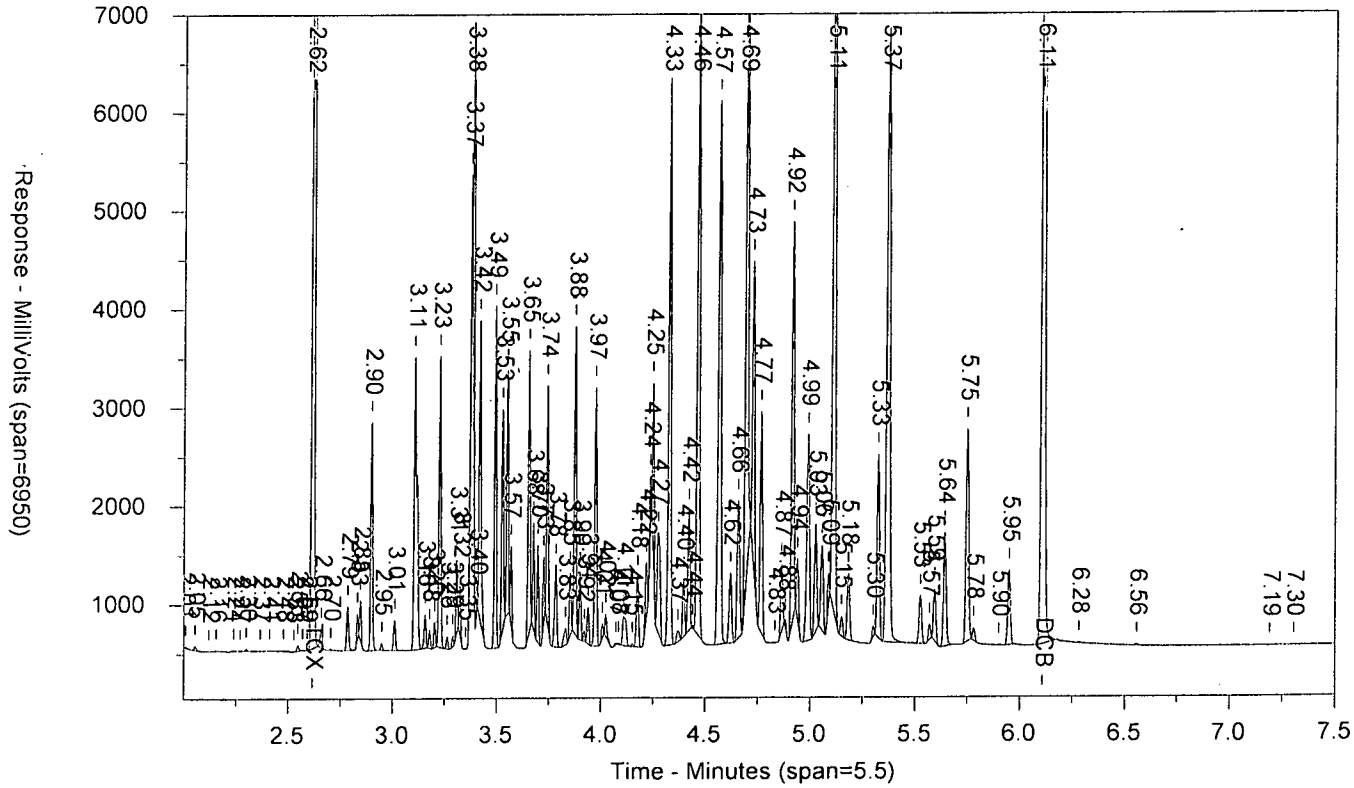

LANCASTER LABORATORIES

Sample Number: AR1631724A CLAR163CL CCAL 1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:07:43 PM Sample Weight: 1
Instrument ID: CP20-17342 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: 5
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
2.925	4900163	43.12	TCX	2.616	29733430	43.01	TCX
6.61	2697396	39.197	DCB	6.107	19083480	39.171	DCB

Files:
Area File: 20pcbs17137003.022.RAW
Area File: 20pcbs17137003B.022.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 5:16:26 PM
File Reported On: 5/20/2017 at 5:16:35 PM

AR1631724A CLAR163CL CCAL 1713999999 10736 SW-846 8082

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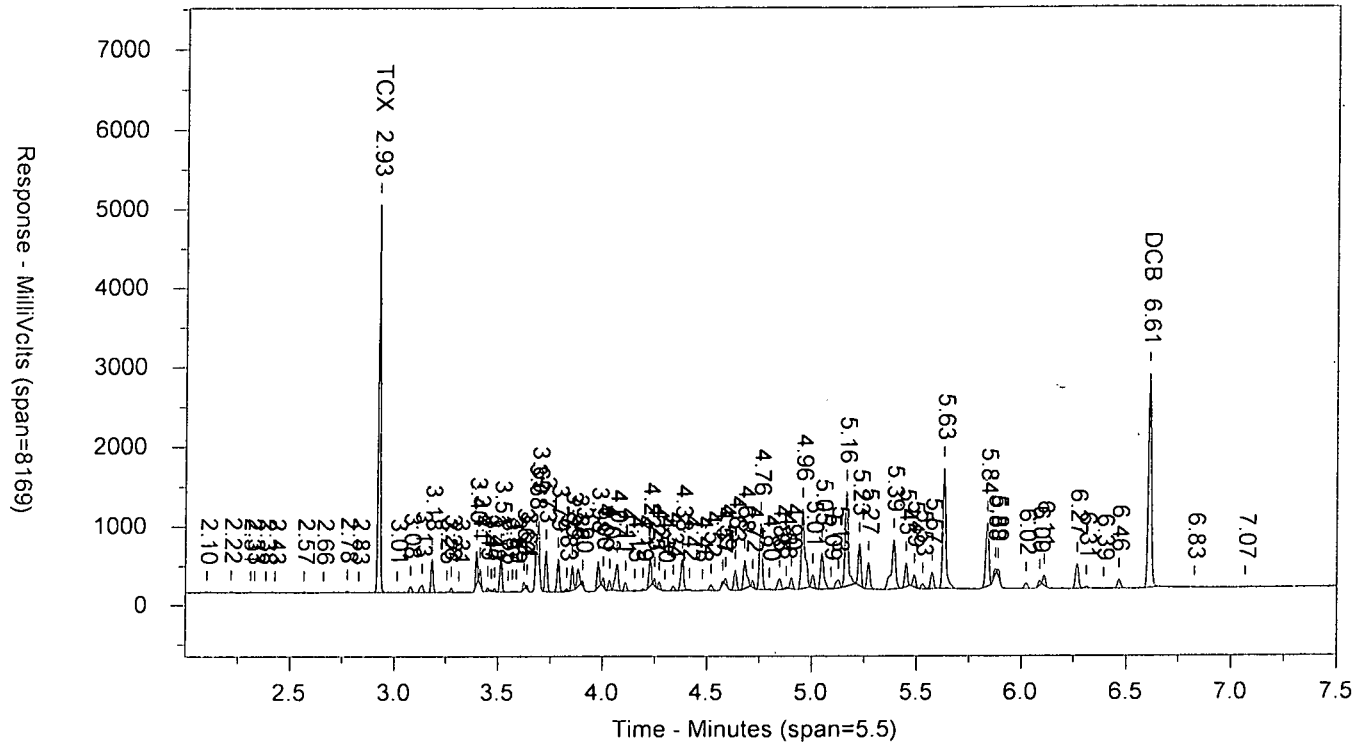

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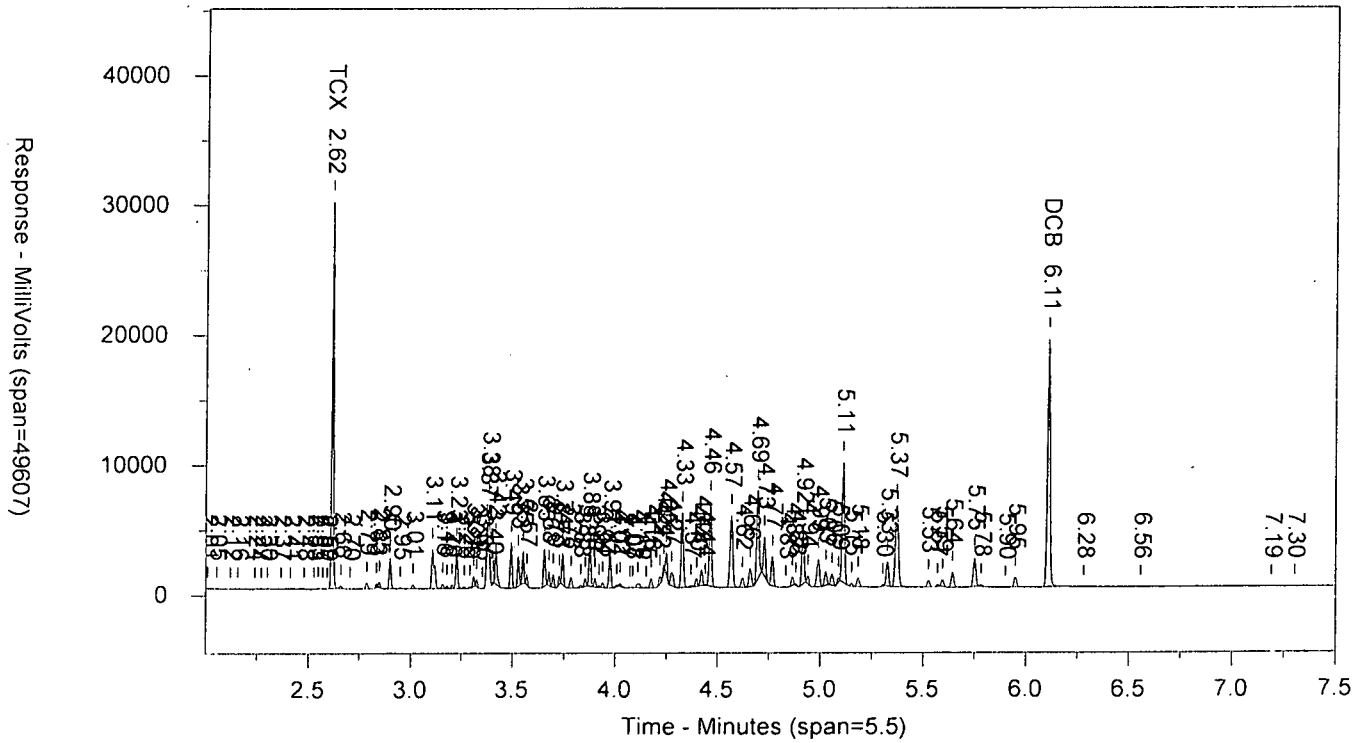


LANCASTER LABORATORIES

Sample Number: IBLKX1724A VFPIBLKVF PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:19:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.023.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		7515	12811
2.218		8237	6363
2.31		10351	6453
2.328		2206	1272
2.381		1583	2162
2.425		3174	2729
2.552		3048	3471
2.658		910	700
2.721		1152	804
2.776		29192	24413
2.829		3800	3651
2.925	TCX	2338593	1571668
3.027		737	479
3.124		32107	20409
3.193		3881	3456
3.254		5328	3599
3.494		1815	1189
3.531		2132	1927
3.569		8677	5628
3.667		3462	2989
3.766		1474	2530
3.849		2121	2352
4.07		660	1100
4.173		1432	1282
4.297		5227	5367
4.511		2458	3654
4.572		1912	1842
4.719		891	831
4.879		11298	12975
4.923		1594	1670
5.004		859	802
5.042		716	355
5.064		1067	1020
5.119		18543	19168
5.205		2569	3161
5.465		1309	3214
5.53		17848	17937
5.652		30384	29701
5.841		2218	3128
6.022		29350	30377
6.088		32535	26770
6.108		5871	4044
6.393		967	1064
6.465		17095	18278
6.61	DCB	1344255	1432034
6.913		914	1896
7.069		1357	1694
7.91		661	6261

LANCASTER LABORATORIES

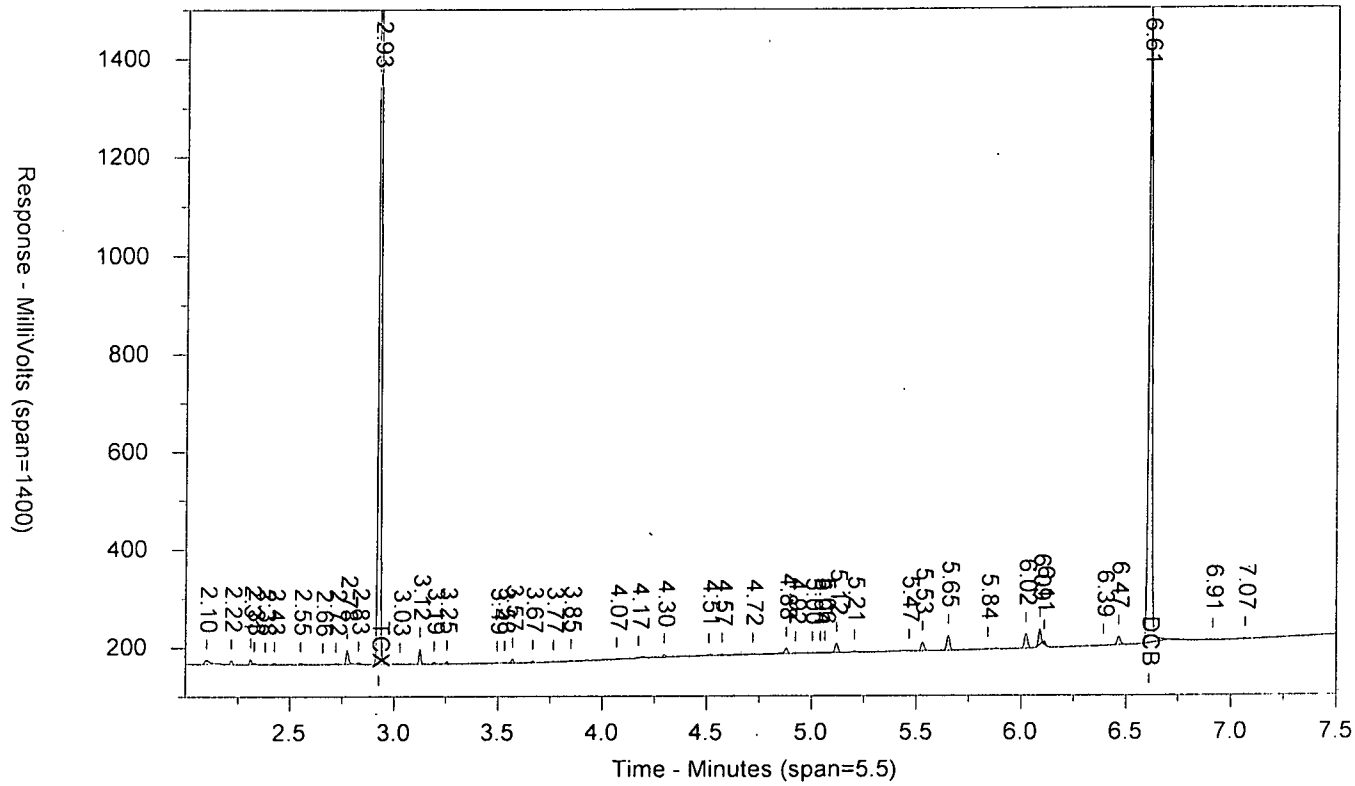
Sample Number: IBLKX1724A VFPIBLKVF PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:19:12 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137003B.023.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.007		9949	7297
2.055		21616	15514
2.157		4944	4136
2.24		14271	22766
2.366		1935	3760
2.413		11437	11906
2.479		4442	2971
2.527		5811	4622
2.547		83584	51496
2.593		4787	2508
2.616	TCX	14337740	8441432
2.704		3520	3956
2.778		8181	5310
2.804		5207	4456
2.833		194375	121445
2.899		7726	21345
2.949		36258	21148
3.183		17991	26281
3.269		2698	1266
3.291		65582	37812
3.326		29073	17816
3.409		7790	6220
3.449		12546	16573
3.525		2757	1788
3.543		2777	4417
3.599		3720	4394
3.727		10254	31101
3.83		2786	1760
3.863		1915	1149
3.881		3191	3151
3.935		11097	8585
3.981		4614	10620
4.022		5200	5849
4.073		33834	29394
4.109		3634	2147
4.131		3748	1881
4.152		13435	10263
4.201		6948	8249
4.246		4898	8989
4.332		4554	3867
4.369		3124	2909
4.44		73628	62561
4.525		3646	5050
4.565		3546	2502
4.623		7875	5059
4.668		133040	99697
4.74		4256	3409
4.84		4555	12968
4.917		5283	3941
4.983		10894	10863
5.029		2765	1937
5.061		99689	83903
5.144		1998	4554
5.184		197438	181525

RT B	Compound B	Height B	Area B
5.326		4165	3565
5.371		8873	9567
5.436		2442	5295
5.526		213985	178791
5.595		247413	218124
5.644		82973	71684
5.9		2099	1657
5.949		125246	102706
6.066		1684	1559
6.108	DCB	9389835	8507571
6.556		7166	9285
7.244		1852	1878
8.212		19253	33623

IBLKX1724A VFPIBLKVF PIBLK1713999999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137003.023.RAW



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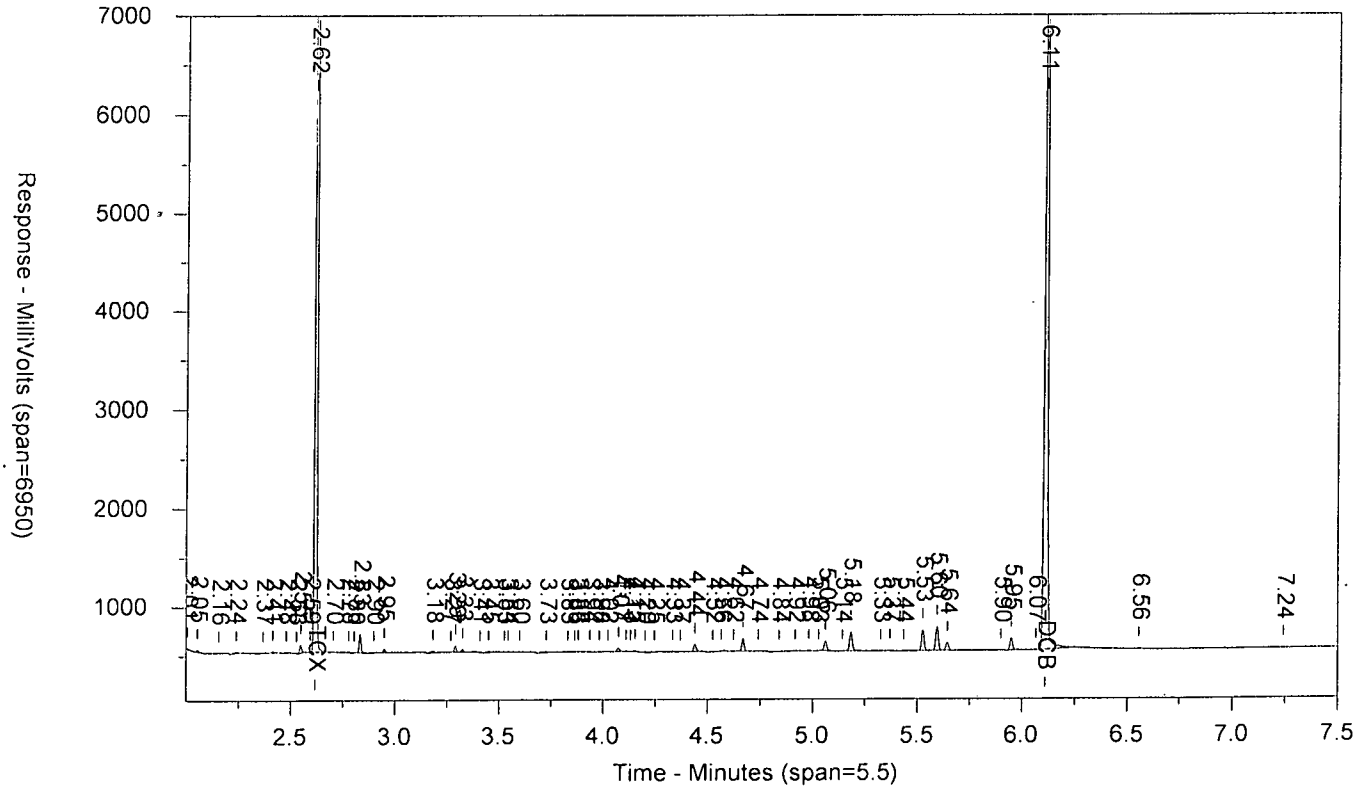

LANCASTER LABORATORIES

Sample Number: IBLKX1724A VFPIBLKVF PIBLK1713999999 10736 SW-846 8082
Injected On: 5/20/2017 5:19:12 PM Sample Weight: 1000
Instrument ID: CP20-17342 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: 5
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
2.925	2338593	.206	TCX	2.616	14337740	.207	TCX
6.61	1344255	.195	DCB	6.108	9389835	.193	DCB

Files:
Area File: 20pcbs17137003.023.RAW
Area File: 20pcbs17137003B.023.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 5:27:55 PM
File Reported On: 5/20/2017 at 5:28:00 PM

IBLKX1724A VFPIBLKVF PIBLK1713999999 10736 SW-846 8082

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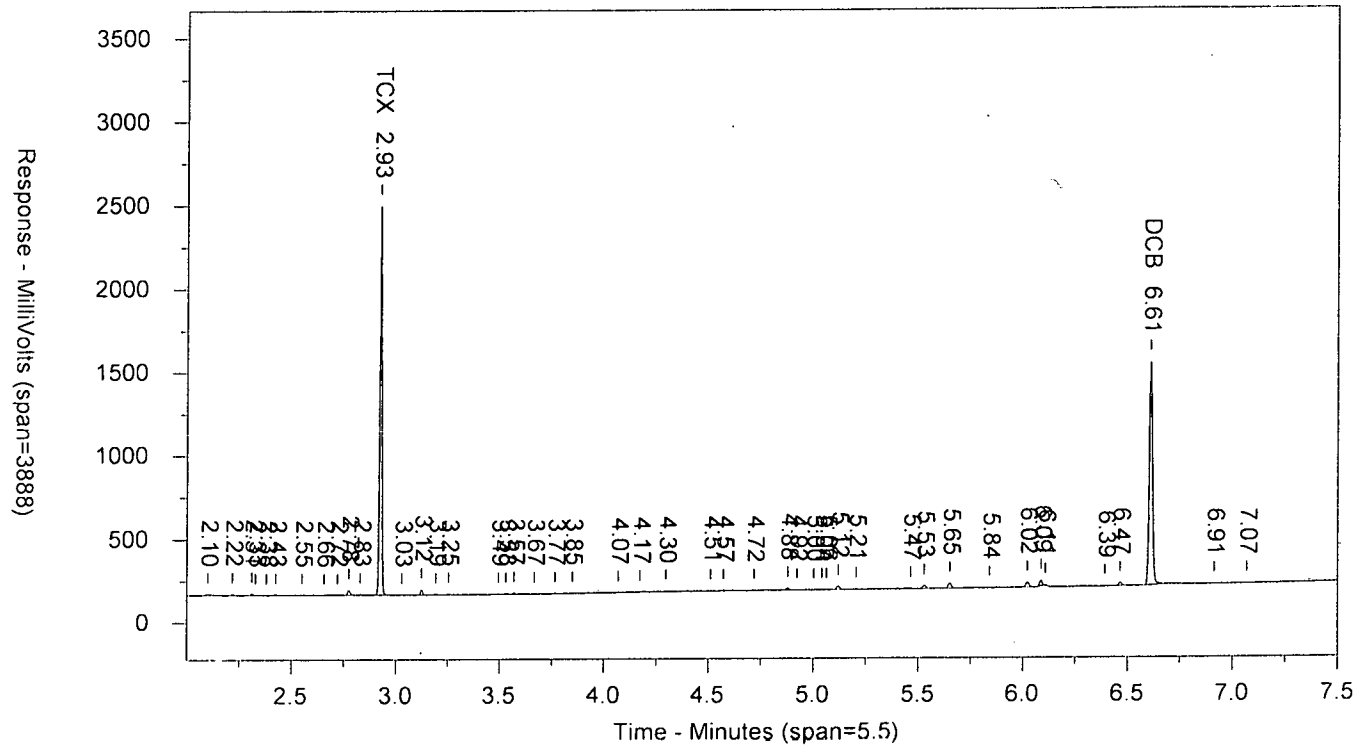

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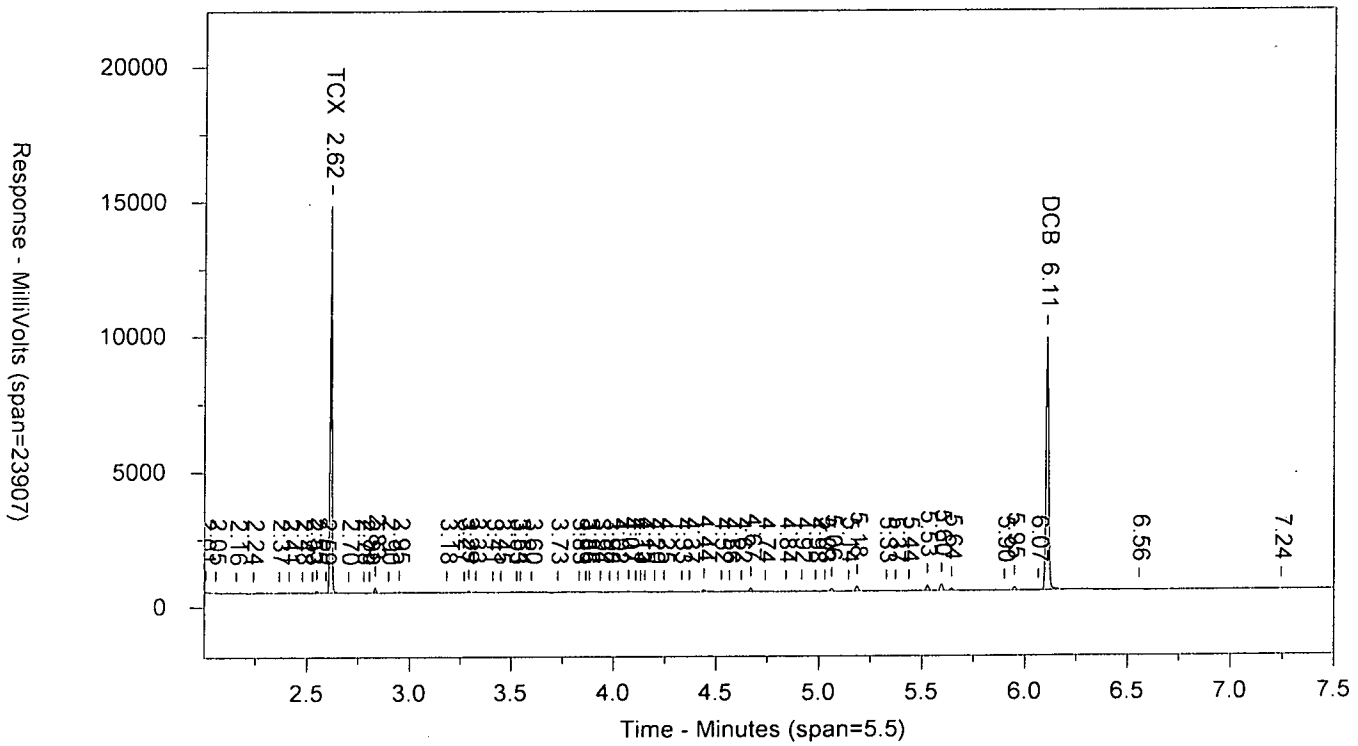

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 5/21/17 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

Date: MAY 23 2017

Verified by: MAY 25 2017

Date:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/21/17 ACF PBLK30139Sample 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 Pass
%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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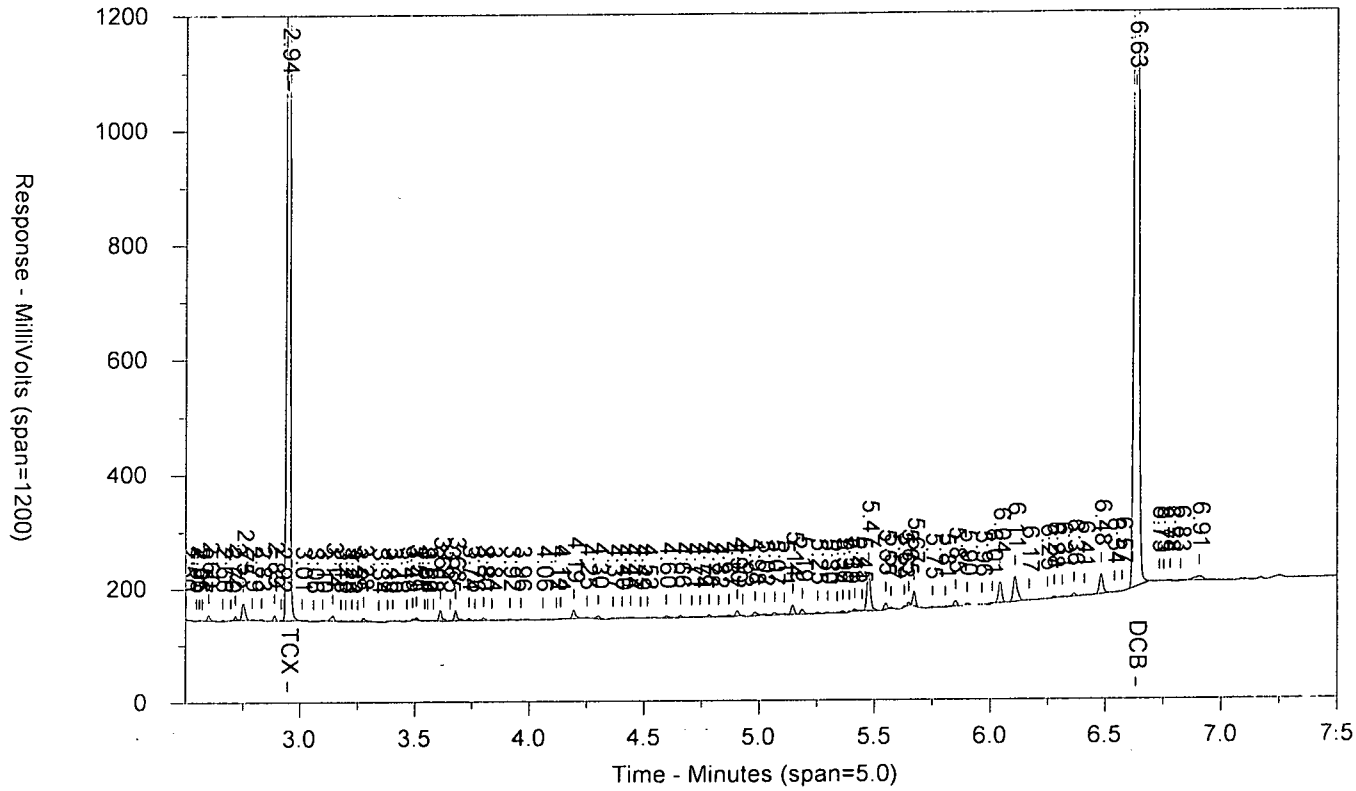

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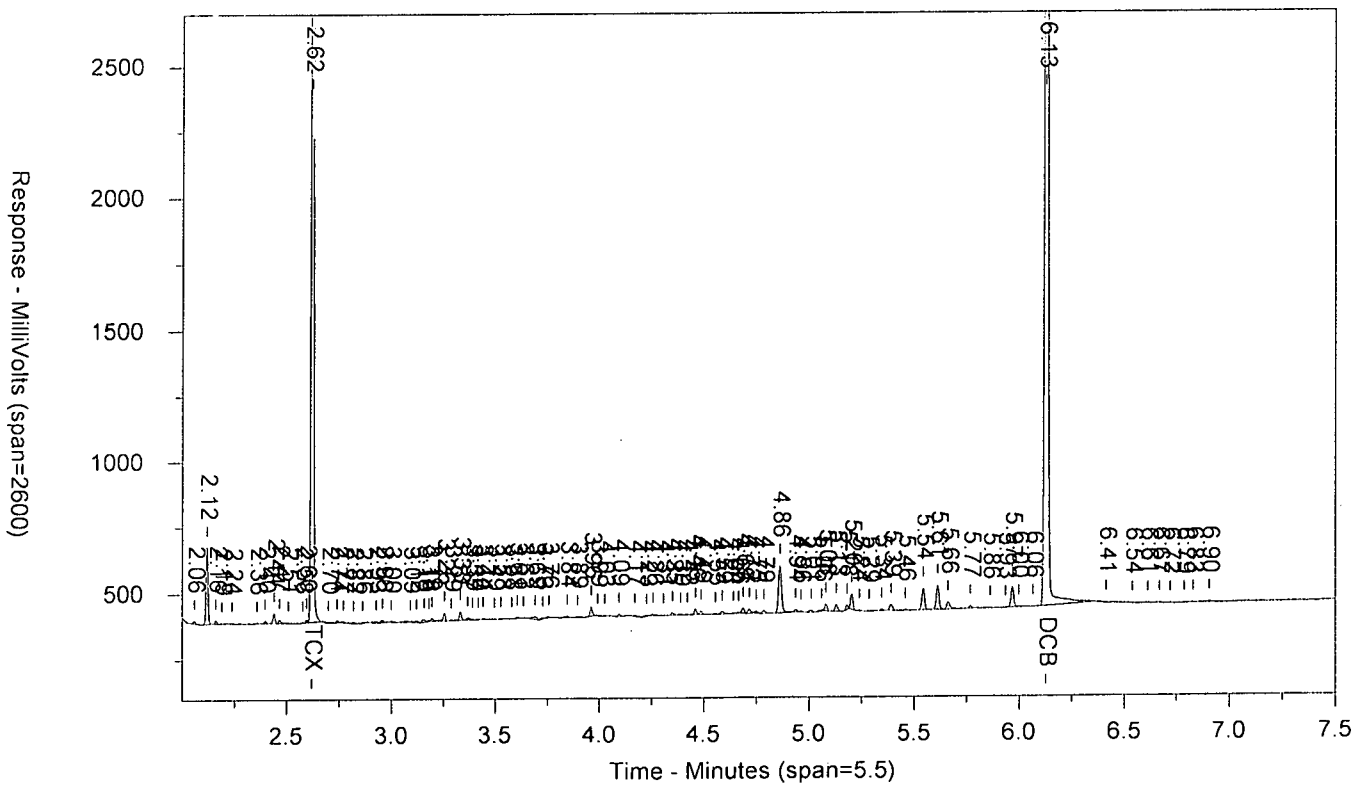

LANCASTER LABORATORIES

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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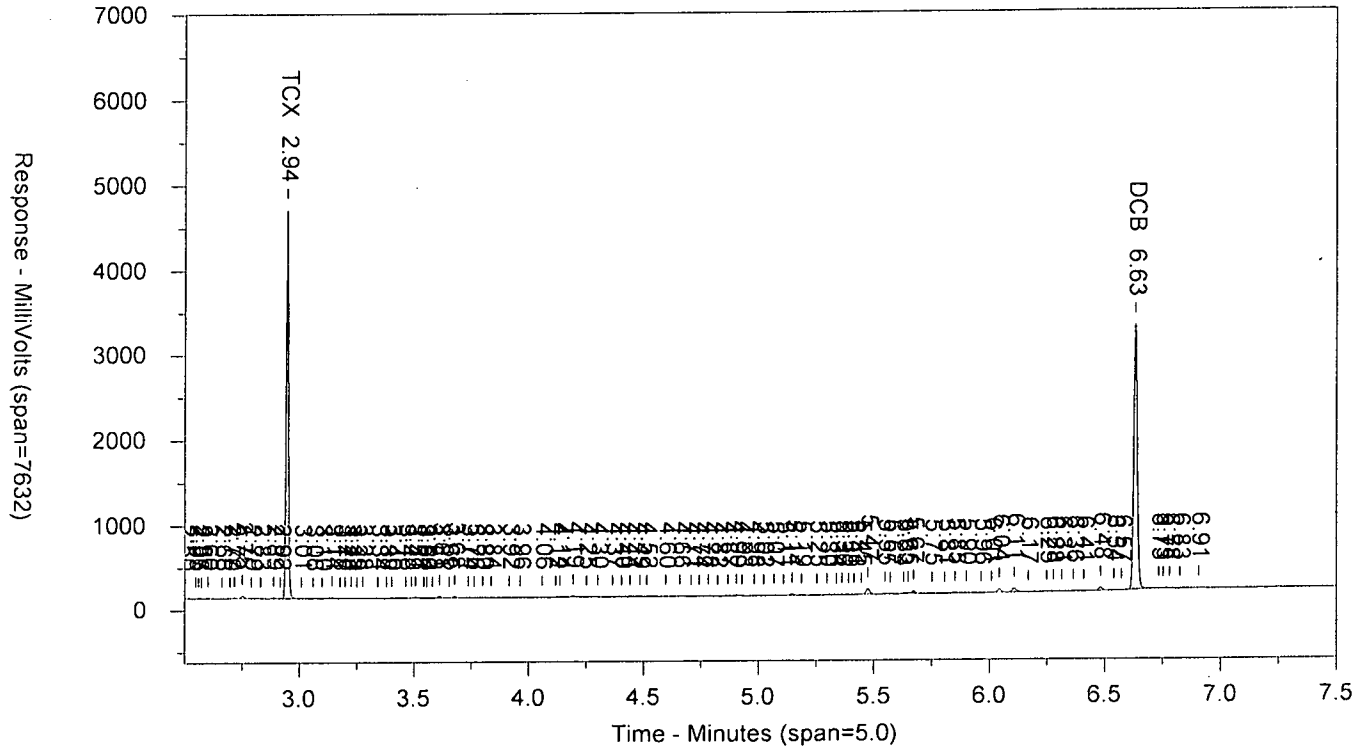

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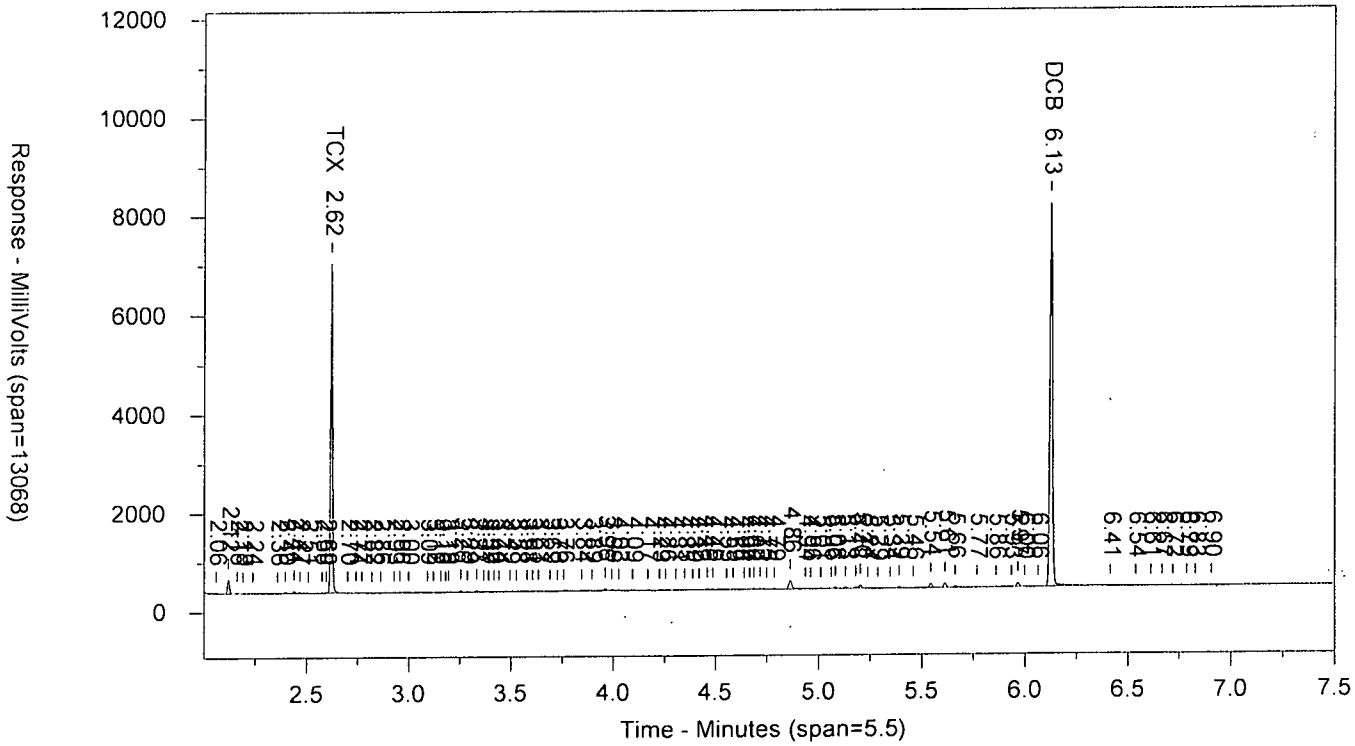

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Data Summary

Sample Name: 8998333 MS RI ACF DF1 A4701 MS Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.25 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 17:15:52
Instrument	18274A
Result file	25PCBS17116017.011.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 113% (61 - 152) Conc: 32.12128
%SSR(DCB) 150% (48 - 164) Conc: 42.95885

Analysis Report (B)

Injected on	May 22, 2017 17:15:52
Instrument	18274B
Result file	25PCBS17116017B.011.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 118% (61 - 152) Conc: 33.76469
%SSR(DCB) 144% (48 - 164) Conc: 41.08423

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	46020	32.12128
Decachlorobiphenyl	6.61	6.63	6.67	43893	42.95885

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	65905	33.76469
Decachlorobiphenyl	6.10	6.12	6.16	99269	41.08423

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	32.12128				4.99	
☐ Decachlorobiphenyl	A	42.95885				4.46	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.84**	
4.76	4.78	4.80	740681.1	14939.220504			1
5.05	5.07	5.09	616840.4	21472.944636			2
5.23	5.25	5.27	513560.2	15229.477178			3
5.40	5.41	5.44	553454.4	15061.735456			4
5.63	5.64	5.67	1751374	17579.135975			5
5.83	5.85	5.87	1054286	17325.9293			6

Height summation: **5230196.1**
Concentration CF: **16934.740508** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.64**	
4.33	4.35	4.37	1760132	16352.823123			1
4.47	4.48	4.51	2406564	19518.890159			2
4.57	4.58	4.61	1669139	15770.446795			3
4.92	4.93	4.96	1325280	15628.072229			4
5.11	5.13	5.15	3981052	19036.573512			5
5.37	5.39	5.41	2717304	21662.454203			6

Height summation: **13859471**
Concentration CF: **17994.87667** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<4975.6097	<965.8536			4	
☐ PCB-1221			<4975.6097	<1492.6829			3	
☐ PCB-1232			<4975.6097	<1200			4	
☐ PCB-1242			<4975.6097	<1200			4	
☐ PCB-1248			<4975.6097	<965.8536			4	
☐ PCB-1254			<4975.6097	<1287.8049			4	
☐ PCB-1260	B	17994.87667	4975.6097	1141.4634		6.07	4	
☐ PCB-1262			<4975.6097	<965.8536			4	
☐ PCB-1268			<4975.6097	<965.8536			4	
☐ Total PCBs	A	17994.87667	4975.6097	965.8536				

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: **8998333** MS RI ACF DF1 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.25 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:15:52
Instrument : CP25--18274A
Result file : 25PCBS17116017.011.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 113% (61-152) Conc.: 32.12128
%SSR(DCB) : 150% (48-164) Conc.: 42.95885

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**39.69**	
3.18	3.20	3.22	16000.17	670.27045			1
3.40	3.41	3.44	15665.53	691.418915			2
+ 3.40	3.43	3.44	6240.089	275.414593			2
3.51	3.53	3.55	20092.05	699.997544			3
3.73	3.75	3.77	32074.6	919.723281			4
3.79	3.80	3.83	22882.7	734.583044			5
3.98	4.00	4.02	34524.89	1570.506171			6
Height Summation:			**141239.94**				
Amount Avg CF:			**881.083234**	Linear:			
Aroclor-1221					**3**	**20.03**	
3.07	3.09	3.11	3784.174	325.440759			1
3.13	3.15	3.17	4566.997	427.862016			2
3.18	3.20	3.22	16000.17	489.775222			3
Height Summation:			**24351.341**				
Amount Avg CF:			**414.359332**	Linear:			
Aroclor-1232					**6**	**58.76**	
3.18	3.20	3.22	16000.17	548.122107			1
3.40	3.41	3.44	15665.53	1446.96522			2
+ 3.40	3.43	3.44	6240.089	576.373206			2
3.52	3.53	3.56	20092.05	1410.554764			3
3.74	3.75	3.78	32074.6	1836.162576			4
3.79	3.80	3.83	22882.7	1574.442172			5
3.99	4.00	4.03	34524.89	3633.435825			6
+ 3.99	4.02	4.03	7914.821	832.964107			6
Height Summation:			**141239.94**				
Amount Avg CF:			**1741.613777**	Linear:			
Aroclor-1242					**6**	**39.51**	
3.18	3.20	3.22	16000.17	789.826904			1
3.40	3.41	3.44	15665.53	833.625752			2
+ 3.40	3.43	3.44	6240.089	332.060191			2
3.51	3.53	3.55	20092.05	838.386847			3
3.73	3.75	3.77	32074.6	1104.376794			4
3.79	3.80	3.83	22882.7	918.844607			5
3.98	4.00	4.02	34524.89	1887.988305			6
+ 3.98	4.02	4.02	7914.821	432.82077			6
Height Summation:			**141239.94**				
Amount Avg CF:			**1062.174868**	Linear:			
Aroclor-1248					**6**	**167.94**	
3.79	3.80	3.83	22882.7	1281.021615			1
3.86	3.87	3.90	52904.83	1886.115505			2
3.98	4.00	4.02	34524.89	1064.353475			3
+ 3.98	4.02	4.02	7914.821	244.002725			3
4.07	4.09	4.11	37132.7	1330.299742			4
+ 4.25	4.27	4.29	42121.13	1516.35543			5
4.25	4.29	4.29	82063.73	2954.284051			5
4.64	4.65	4.68	539776.5	23787.252674			6
Height Summation:			**769285.35**				
Amount Avg CF:			**5383.887844**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:15:52
Instrument : CP25--18274B
Result file : 25PCBS17116017B.011.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 118% (61-152) Conc.: 33.76469
%SSR(DCB) : 144% (48-164) Conc.: 41.08423

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**40.01**	
+ 2.89	2.91	2.93	6928.296	206.408142			1
2.89	2.92	2.93	70209.83	2091.694776			1
3.22	3.24	3.26	36559.2	817.951017			2
3.41	3.43	3.45	48220.55	954.399342			3
3.49	3.51	3.53	45150.03	858.963742			4
3.65	3.67	3.69	74639.66	1752.122727			5
+ 3.65	3.69	3.69	24237.83	568.969001			5
3.74	3.76	3.78	57080.5	1466.501559			6
Height Summation:			**331859.77**				
Amount Avg CF:			**1323.605527**	Linear:			
Aroclor-1221					**3**	**52.57**	
2.77	2.79	2.81	9395.194	539.440469			1
2.84	2.85	2.88	9180.183	853.55515			2
+ 2.89	2.91	2.93	6928.296	152.552091			3
2.89	2.92	2.93	70209.83	1545.929389			3
Height Summation:			**88785.207**				
Amount Avg CF:			**979.641669**	Linear:			
Aroclor-1232					**6**	**40.08**	
+ 2.89	2.91	2.93	6928.296	165.049533			1
2.89	2.92	2.93	70209.83	1672.575715			1
3.22	3.24	3.26	36559.2	1733.353751			2
3.41	3.43	3.45	48220.55	2126.898955			3
3.49	3.51	3.53	45150.03	1928.352062			4
3.65	3.67	3.69	74639.66	4139.411431			5
+ 3.65	3.69	3.69	24237.83	1344.196243			5
3.75	3.76	3.79	57080.5	3171.518552			6
Height Summation:			**331859.77**				
Amount Avg CF:			**2462.018411**	Linear:			
Aroclor-1242					**6**	**38.10**	
+ 2.89	2.91	2.93	6928.296	246.454755			1
2.89	2.92	2.93	70209.83	2497.518355			1
3.22	3.24	3.26	36559.2	1024.245145			2
3.41	3.43	3.45	48220.55	1188.291317			3
3.49	3.51	3.53	45150.03	1090.504874			4
3.65	3.67	3.69	74639.66	2156.224655			5
3.74	3.76	3.78	57080.5	1724.42829			6
Height Summation:			**331859.77**				
Amount Avg CF:			**1613.53544**	Linear:			
Aroclor-1248					**6**	**150.40**	
3.41	3.43	3.45	48220.55	2386.312779			1
3.52	3.54	3.56	100985.4	1956.194378			2
+ 3.52	3.56	3.56	78383.63	1518.374105			2
3.65	3.67	3.69	74639.66	1208.926962			3
+ 3.65	3.69	3.69	24237.83	392.576362			3
3.74	3.76	3.78	57080.5	1210.498854			4
3.88	3.89	3.92	488783.4	5154.476191			5
4.24	4.25	4.28	1095223	24382.833226			6
Height Summation:			**1864932.51**				
Amount Avg CF:			**6049.873732**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998333** MS RI ACF DF1 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.25 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:15:52
Instrument : CP25--18274A
Result file : 25PCBS17116017.011.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	87.85	
4.24	4.25	4.28	162787.9	5449.008158			1
+ 4.24	4.27	4.28	42121.13	1409.922857			1
4.58	4.59	4.62	121069.5	3414.293827			2
+ 4.58	4.61	4.62	23208.2	654.496913			2
+ 4.58	4.62	4.62	34980.14	986.478643			2
4.64	4.65	4.68	539776.5	7872.590864			3
4.77	4.78	4.81	740681.1	33429.834206			4
4.86	4.87	4.89	468327.5	9286.700274			5
5.05	5.07	5.09	616840.4	16445.604575			6
Height Summation:			**2649482.9**				
Amount Avg CF:			**12649.671984**	Linear:			
Aroclor-1260					6	14.84	
4.76	4.78	4.80	740681.1	14939.220504			1
5.05	5.07	5.09	616840.4	21472.944636			2
5.23	5.25	5.27	513560.2	15229.477178			3
5.40	5.41	5.44	553454.4	15061.735456			4
5.63	5.64	5.67	1751374	17579.135975			5
5.83	5.85	5.87	1054286	17325.9293			6
Height Summation:			**5230196.1**				
Amount Avg CF:			**16934.740508**	Linear:			
Aroclor-1262					6	29.21	
5.23	5.25	5.27	513560.2	8534.031365			1
5.40	5.41	5.44	553454.4	10681.023234			2
5.63	5.64	5.67	1751374	13110.537437			3
5.83	5.85	5.87	1054286	12865.403457			4
5.89	5.90	5.93	207833	5532.860375			5
6.26	6.27	6.30	425160.1	8767.690204			6
Height Summation:			**4505667.7**				
Amount Avg CF:			**9915.257679**	Linear:			
Aroclor-1268					6	95.07	
5.83	5.85	5.87	1054286	7286.011688			1
5.89	5.90	5.93	207833	1578.475558			2
6.03	6.04	6.07	13282.45	108.619843			3
+ 6.09	6.09	6.13	33371.28	1049.070223			4
6.09	6.12	6.13	177260.6	5572.42087			4
6.26	6.27	6.30	425160.1	8202.792871			5
6.47	6.48	6.51	88166.28	207.151264			6
Height Summation:			**1965988.43**				
Amount Avg CF:			**3825.912016**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:15:52
Instrument : CP25--18274B
Result file : 25PCBS17116017B.011.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.33	
4.18	4.19	4.22	385579.2	4897.91691			1
4.24	4.25	4.28	1095223	7577.8022			2
4.33	4.35	4.37	1760132	26524.80414			3
4.40	4.41	4.44	877184.9	9077.036298			4
+ 4.40	4.44	4.44	415564.1	4300.222701			4
4.47	4.48	4.51	2406564	44911.590364			5
4.62	4.63	4.66	784798.4	11132.922374			6
Height Summation:			**7309481.5**				
Amount Avg CF:			**17353.678714**	Linear:			
Aroclor-1260					6	13.64	
4.33	4.35	4.37	1760132	16352.823123			1
4.47	4.48	4.51	2406564	19518.890159			2
4.57	4.58	4.61	1669139	15770.446795			3
4.92	4.93	4.96	1325280	15628.072229			4
+ 4.92	4.96	4.96	474112.3	5590.864775			4
5.11	5.13	5.15	3981052	19036.573512			5
5.37	5.39	5.41	2717304	21662.454203			6
Height Summation:			**13859471**				
Amount Avg CF:			**17994.87667**	Linear:			
Aroclor-1262					6	36.25	
4.73	4.74	4.77	956245.6	7055.153909			1
4.92	4.93	4.96	1325280	9886.893974			2
5.11	5.13	5.15	3981052	14192.490619			3
5.33	5.34	5.36	613682.2	5818.454594			4
5.37	5.39	5.41	2717304	14841.372252			5
5.75	5.77	5.79	961146	9140.518674			6
Height Summation:			**10554709.8**				
Amount Avg CF:			**10155.814003**	Linear:			
Aroclor-1268					6	126.63	
5.33	5.34	5.37	613682.2	1841.777318			1
5.37	5.39	5.41	2717304	8385.527798			2
5.53	5.54	5.57	46708.97	165.679203			3
5.59	5.61	5.63	16767.01	241.524333			4
+ 5.59	5.63	5.63	7526.544	108.41787			4
5.75	5.77	5.79	961146	8185.160723			5
5.95	5.96	5.99	198274.8	198.050751			6
Height Summation:			**4553882.98**				
Amount Avg CF:			**3169.620021**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4975.6097	965.8536		** 40.14	4	40	
Aroclor-1221			4975.6097	1492.6829		** 81.10	3	5	
Aroclor-1232			4975.6097	1200		34.28	4	10	
Aroclor-1242			4975.6097	1200		** 41.21	4	30	
Aroclor-1248			4975.6097	965.8536		11.65	4	40	
Aroclor-1254			4975.6097	1287.8049		31.36	4	40	
Aroclor-1260			4975.6097	1141.4634		6.07	4	40	
Aroclor-1262			4975.6097	965.8536		2.40	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998333** MS RI ACF DF1 A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.25 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: May 22, 2017 17:15:52
Instrument	: CP25--18274A
Result file	: 25PCBS17116017.011.RAW
Calibration file	: 25PCBS1711601.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: May 22, 2017 17:15:52
Instrument	: CP25--18274B
Result file	: 25PCBS17116017B.011.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			4975.6097	965.8536		18.76	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998333MS RI ACF DF1ACA4701 MS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:15:52 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: 25pcbs17116017.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.008		563	139
2.044		9560	12555
2.089		4339	5663
2.146		1463	2801
2.212		25342	20780
2.297		886	512
2.338		3834	2646
2.377		1999	2026
2.502		5989	6750
2.55		680	606
2.577		403	266
2.6		2943	1877
2.663		11125	10533
2.699		909	847
2.758		2194	3937
2.791		1453	954
2.884		1314	951
2.913		3538	2986
2.944	TCX	46020	32926
3.052		3842	2965
3.092		3784	3914
3.148		4567	4340
3.196		16000	11221
3.226		941	564
3.248		31252	17752
3.266		45363	26352
3.305		890	437
3.33		726	698
3.382		1130	915
3.413		15666	9341
3.429		6240	3640
3.466		2689	1812
3.484		979	503
3.494		1093	433
3.529		20092	15997
3.556		621	876
3.606		5319	3584
3.638		4401	3440
3.653		2036	1093
3.697		7704	5130
3.708		19994	10010
3.746		32075	27892
3.804		22883	18347
3.845		2139	2135
3.874		52905	40233
3.91		26167	45347
3.958		1520	1559
3.998		34525	25104
4.022		7915	4980
4.054		14672	10408
4.087		37133	39532
4.129		8963	8504
4.176		660	254
4.19		8472	5470

RT A	Compound A	Height A	Area A
4.213		7090	4328
4.249		162788	117141
4.267		42121	21613
4.292		82064	70361
4.362		70245	59577
4.405		353261	381920
4.439		157242	134066
4.479		11036	7651
4.501		18707	13161
4.542		133836	130604
4.594		121070	92889
4.61		23208	9095
4.622		34980	24600
4.655		539777	500118
4.704		254789	277251
4.739		92494	66061
4.78		740681	721861
4.826		57961	50931
4.866		468328	471315
4.898		10573	6461
4.927		181672	180933
4.978		1125064	1404377
5.029		146630	133651
5.067		616840	713165
5.112		39022	25915
5.149		107559	135039
5.182		1589716	1603601
5.223		20950	10842
5.25		513560	478024
5.292		378579	379912
5.386		254878	200874
5.411		553454	481593
5.467		323205	309419
5.505		204893	206799
5.546		26348	29555
5.587		257923	301695
5.645		1751374	1801019
5.732		2871	3162
5.765		1423	801
5.801		1558	1931
5.848		1054286	1009617
5.878		69058	45845
5.905		207833	219804
5.945		1403	1020
6.014		9456	8794
6.04		13282	11017
6.09		33371	25672
6.118		177261	172979
6.155		1105	737
6.185		1332	1121
6.274		425160	440256
6.32		29157	27778
6.363		3306	3352
6.41		896	1371
6.479		88166	91636
6.521		762	237
6.628	DCB	43893	66376
6.687		3396	4017
6.729		1285	1826
6.771		2054	2867
6.823		2423	3841
6.874		918	792
6.905		3540	5596
6.962		850	915

LANCASTER LABORATORIES

Sample Number: 8998333MS RI ACF DF1ACA4701 MS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:15:52 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.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.071		1673	1392
2.117		1231	1936
2.162		5619	6714
2.207		2518	3467
2.238		2379	2163
2.283		1285	792
2.324		1649	1707
2.369		15291	13080
2.479		3596	10152
2.553		2030	4054
2.574		1925	1461
2.62	TCX	65905	41318
2.671		2865	2464
2.718		2166	3041
2.764		3183	2664
2.792		9395	5623
2.854		9180	9344
2.906		6928	3633
2.918		70210	67909
3.039		3282	6736
3.115		40030	37570
3.166		3486	2357
3.188		4077	1955
3.213		3652	1833
3.237		36559	25982
3.275		14508	12343
3.321		9330	5164
3.337		8638	4402
3.365		5349	3275
3.387		17610	8767
3.395		34068	14371
3.43		48221	50033
3.505		45150	29470
3.54		100985	63691
3.564		78384	45524
3.581		29032	14094
3.598		4255	3006
3.668		74640	49372
3.691		24238	13515
3.712		29663	19383
3.741		28957	15205
3.757		57081	34225
3.797		22240	18481
3.846		19754	23298
3.869		47400	28031
3.891		488783	334513
3.916		108218	63057
3.936		57141	31206
3.956		144114	95406
3.991		715139	510573
4.023		354759	315260
4.06		17691	11330
4.102		41056	33702
4.136		226184	188165

RT B	Compound B	Height B	Area B
4.165		20951	15855
4.193		385579	283741
4.233		155488	182541
4.254		1095223	1085262
4.292		274119	275942
4.345		1760132	1420995
4.383		118958	100624
4.415		877185	617264
4.439		415564	294729
4.482		2406564	1916198
4.537		6462	4761
4.585		1669139	1659749
4.634		784798	670970
4.676		565592	479985
4.713		3217266	2634970
4.745		956246	648165
4.784		812633	635144
4.841		8798	5416
4.856		5297	2573
4.883		227979	287758
4.934		1325280	1037609
4.958		474112	325366
5.008		790771	716667
5.044		447907	357822
5.073		280678	224869
5.105		224628	136463
5.127		3981052	3191939
5.169		82151	58369
5.2		100119	85237
5.242		4014	2821
5.263		6709	4942
5.318		29284	17768
5.342		613682	513898
5.385		2717304	2808975
5.541		46709	39608
5.586		94219	73744
5.609		16767	10322
5.632		7527	4057
5.658		422848	356384
5.703		3769	3728
5.737		2502	1028
5.765		961146	822271
5.797		60302	45111
5.965		198275	178412
6.124	DCB	99269	90585
6.3		9776	7086
6.328		5031	4081
6.434		1672	2885
6.494		1468	2791
6.553		1400	1970
6.609		2975	2667
6.656		1898	2214
6.902		4461	4695
6.975		1414	1295

8998333MS RI ACF DF1ACA4701 MS 171390030A 10225 SW-846 808

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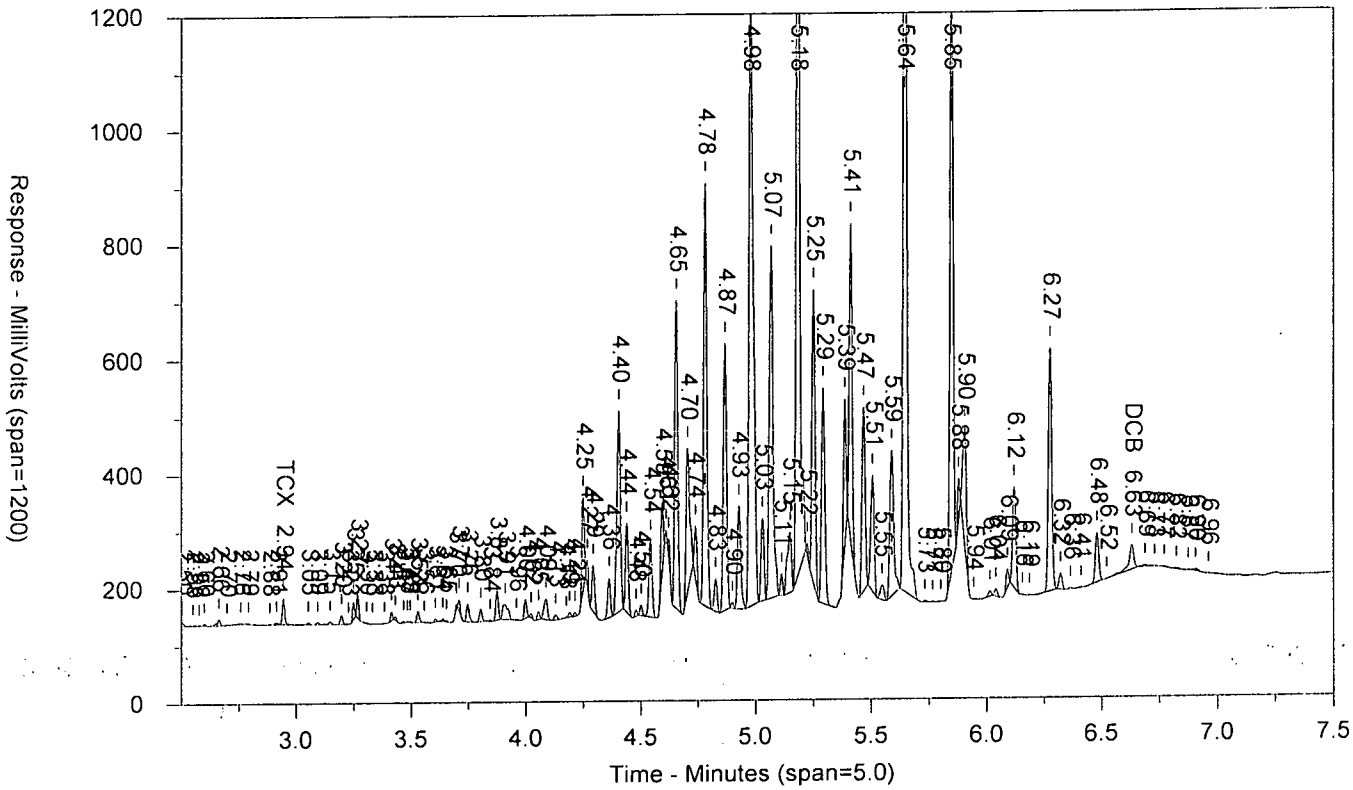

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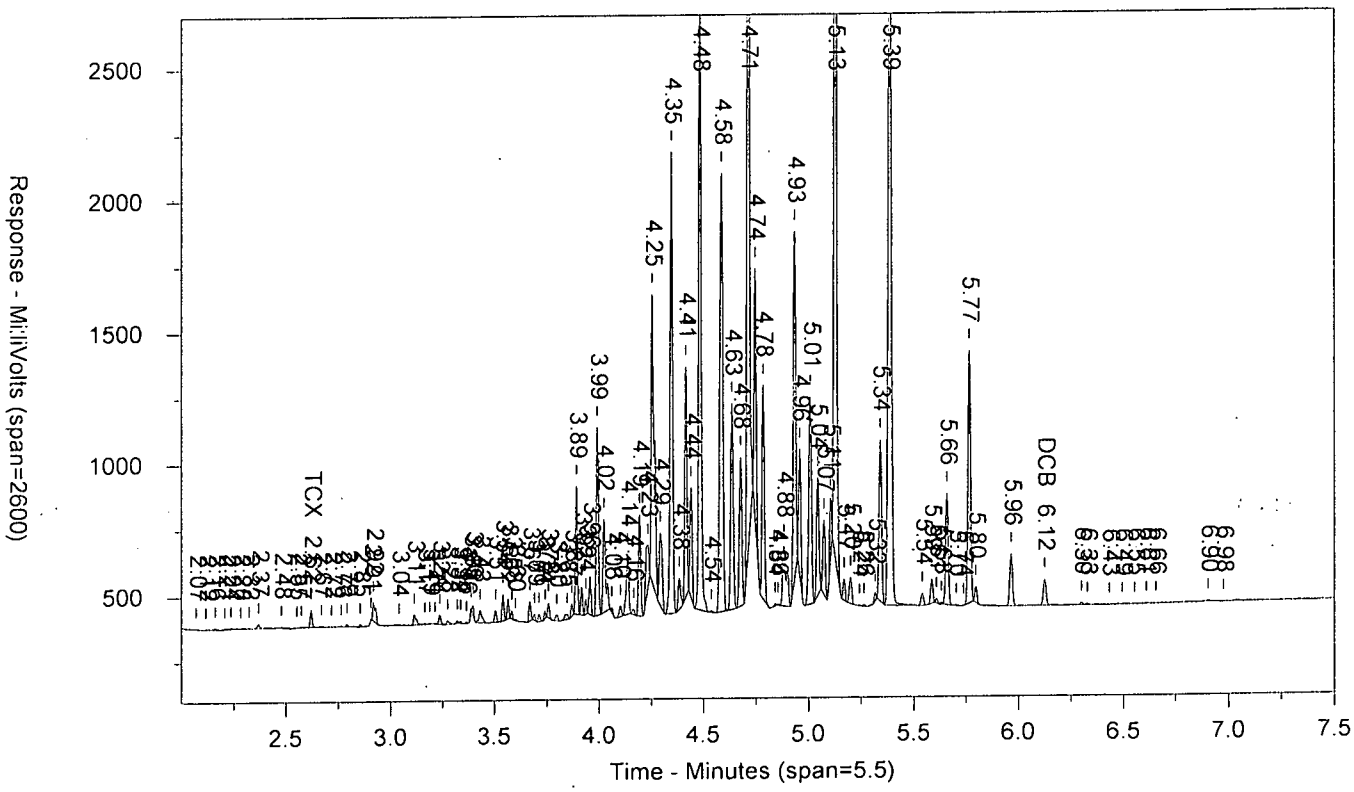

LANCASTER LABORATORIES

Sample Number: 8998333MS RI ACF DF1ACA4701 MS 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:15:52 PM
Sample Weight: 10.25
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	46020	32.121	TCX	2.62	65905	33.765	TCX
6.628	43893	42.959	DCB	6.124	99269	41.084	DCB

Files:
Area File: 25pcbs17116017.011.RAW
Area File: 25pcbs17116017B.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: 5/22/2017 5:24:22 PM
File Reported On: 5/22/2017 at 5:24:30 PM

8998333MS RI ACF DF1ACA4701 MS 171390030A 10225 SW-846 808

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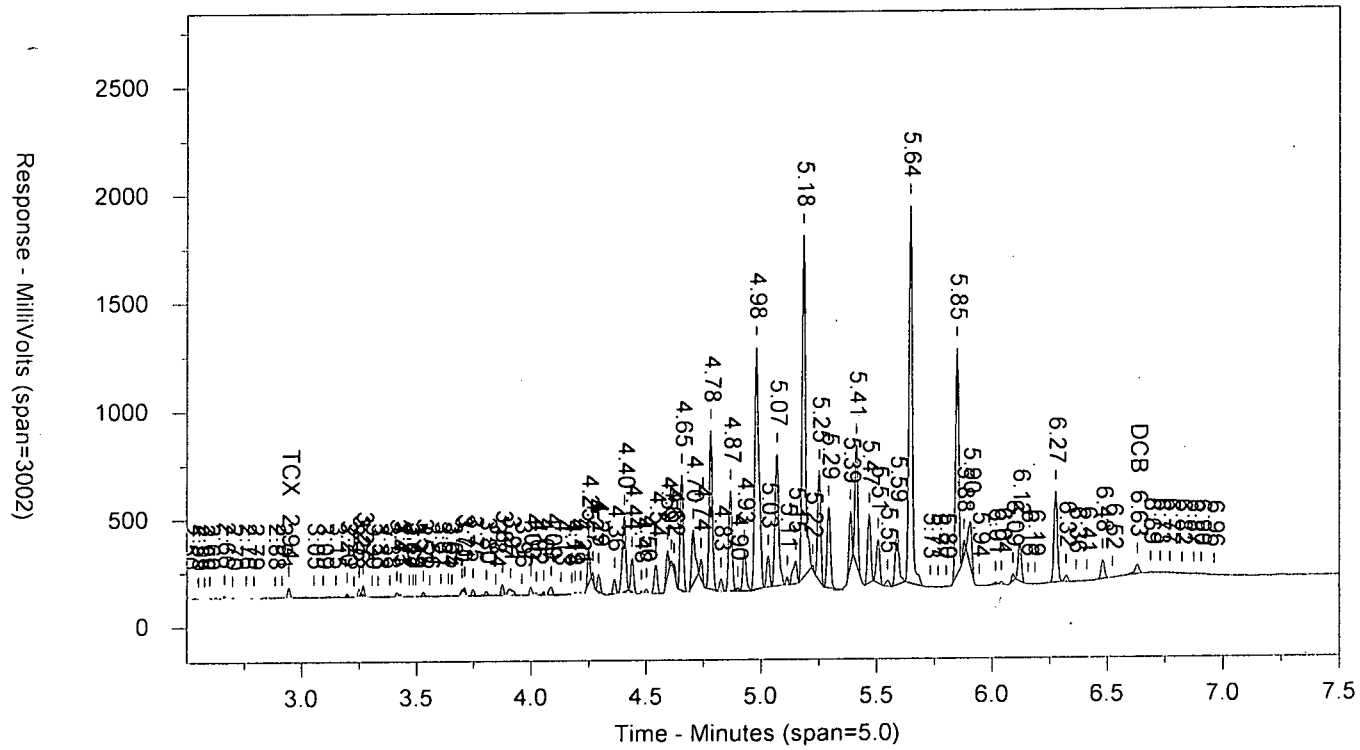

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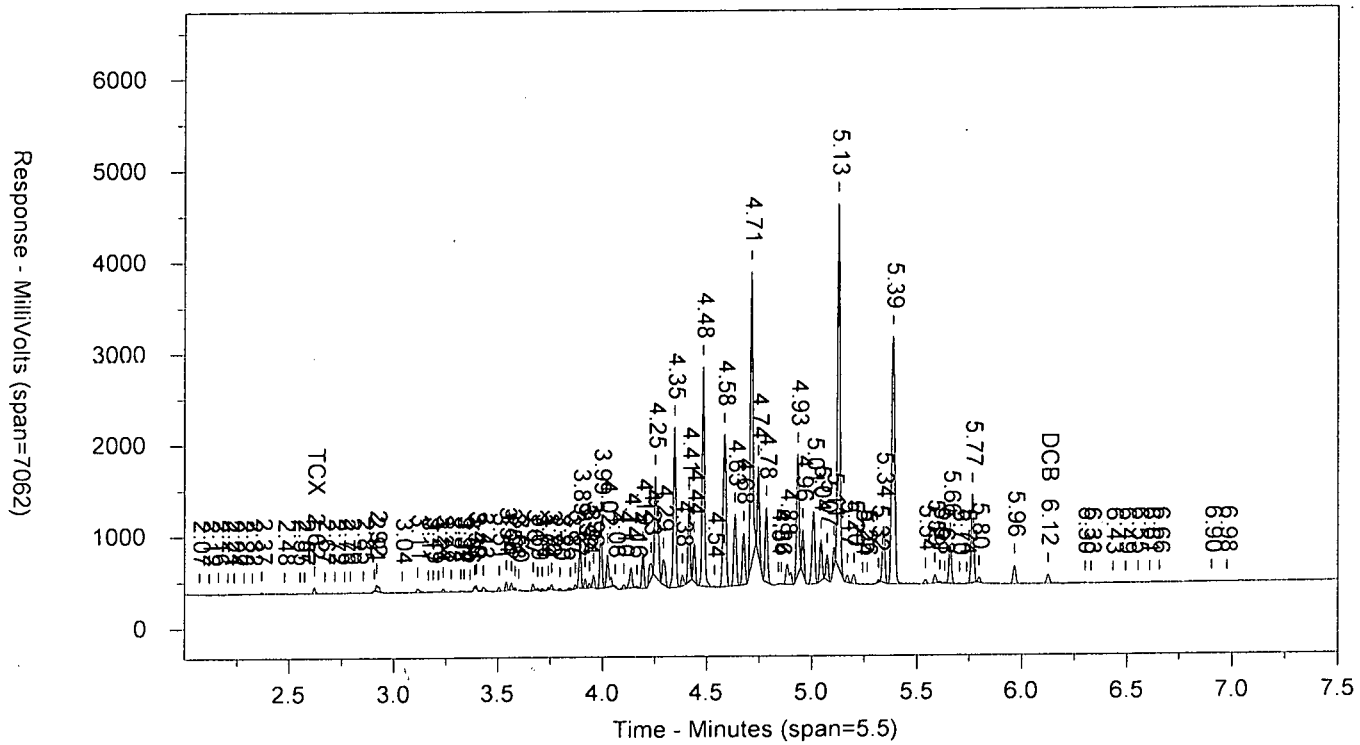

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Data Summary

Sample Name: 8998334 MSD RI ACF DF A4701 MSD Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	May 22, 2017 17:27:08
Instrument	18274A
Result file	25PCBS17116017.012.RAW
Calibration file	25PCBS1711601
Method file	25PCBS

%SSR(TCX) 119% (61 - 152) Conc: 34.68111
%SSR(DCB) * 166% (48 - 164) Conc: 48.36333

Analysis Report (B)

Injected on	May 22, 2017 17:27:08
Instrument	18274B
Result file	25PCBS17116017B.012.RAW
Calibration file	25PCBS1711601B
Method file	25PCBSB

%SSR(TCX) 124% (61 - 152) Conc: 36.10661
%SSR(DCB) 149% (48 - 164) Conc: 43.38889

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.92	2.94	2.97	48815	34.68111
Decachlorobiphenyl	6.61	6.63	6.67	48548	48.36333

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	69238	36.10661
Decachlorobiphenyl	6.10	6.13	6.16	102997	43.38889

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	34.68111				4.03	
☐ Decachlorobiphenyl	A	48.36333				10.84	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.77**	
4.76	4.78	4.80	922553.4	18940.113763			1
5.05	5.07	5.09	800612.9	28368.460787			2
5.23	5.25	5.27	645136.4	19473.30098			3
5.40	5.41	5.44	731825.6	20271.93305			4
5.63	5.65	5.67	2262880	23119.292851			5
5.83	5.85	5.87	1365628	22843.618885			6

Height summation: **6728636.3**
Concentration CF: **22169.453386** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.64**	
4.33	4.35	4.37	2345791	22183.558393			1
4.47	4.48	4.51	3218636	26571.982863			2
4.57	4.59	4.61	2232926	21474.359452			3
4.92	4.93	4.96	1733492	20807.21728			4
5.11	5.13	5.15	5191999	25270.854363			5
5.37	5.39	5.41	3485268	28281.341316			6

Height summation: **18208112**
Concentration CF: **24098.218945** L:

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016			<5064.5484	<983.1182			4	
☐ PCB-1221			<5064.5484	<1519.3645			3	
☐ PCB-1232			<5064.5484	<1221.4499			4	
☐ PCB-1242			<5064.5484	<1221.4499			4	
☐ PCB-1248			<5064.5484	<983.1182			4	
☐ PCB-1254			<5064.5484	<1310.8243			4	
☐ PCB-1260	B	24098.218945	5064.5484	1161.867		8.34	4	
☐ PCB-1262			<5064.5484	<983.1182			4	
☐ PCB-1268			<5064.5484	<983.1182			4	
☐ Total PCBs	A	24098.218945	5064.5484	983.1182				

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 25 2017

Verified by:
Date: MAY 25 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998334** MSD RI ACF DF A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:27:08
Instrument : CP25--18274A
Result file : 25PCBS17116017.012.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 119% (61-152) Conc.: 34.68111 pass
%SSR(DCB) : *166% (48-164) Conc.: 48.36333

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**38.57**	
3.18	3.20	3.22	17829.97	760.274604			1
3.40	3.41	3.44	16388.76	736.269235			2
+ 3.40	3.43	3.44	7981.592	358.575062			2
3.51	3.53	3.55	22080.25	783.016019			3
3.73	3.75	3.77	37272.07	1087.86208			4
3.79	3.80	3.83	26157.71	854.72764			5
3.98	4.00	4.02	37301.28	1727.131772			6
Height Summation:			**157030.04**				
Amount Avg CF:			**991.546892**	Linear:			
Aroclor-1221					**3**	**26.58**	
3.07	3.09	3.11	4139.296	362.344543			1
3.13	3.15	3.17	3747.671	357.37886			2
3.18	3.20	3.22	17829.97	555.542412			3
Height Summation:			**25716.937**				
Amount Avg CF:			**425.088605**	Linear:			
Aroclor-1232					**6**	**57.45**	
3.18	3.20	3.22	17829.97	621.724138			1
3.40	3.41	3.44	16388.76	1540.825616			2
+ 3.40	3.43	3.44	7981.592	750.407072			2
3.52	3.53	3.56	22080.25	1577.844074			3
3.74	3.75	3.78	37272.07	2171.839814			4
3.79	3.80	3.83	26157.71	1831.949774			5
3.99	4.00	4.03	37301.28	3995.796114			6
+ 3.99	4.02	4.03	8443.674	904.505147			6
Height Summation:			**157030.04**				
Amount Avg CF:			**1956.663255**	Linear:			
Aroclor-1242					**6**	**38.42**	
3.18	3.20	3.22	17829.97	895.88514			1
3.40	3.41	3.44	16388.76	887.700613			2
+ 3.40	3.43	3.44	7981.592	432.3246			2
3.51	3.53	3.55	22080.25	937.81805			3
3.73	3.75	3.77	37272.07	1306.272943			4
3.79	3.80	3.83	26157.71	1069.126069			5
3.98	4.00	4.02	37301.28	2076.276202			6
Height Summation:			**157030.04**				
Amount Avg CF:			**1195.513169**	Linear:			
Aroclor-1248					**6**	**174.57**	
3.79	3.80	3.83	26157.71	1490.538872			1
3.86	3.88	3.90	60470.37	2194.370635			2
3.98	4.00	4.02	37301.28	1170.500784			3
4.07	4.09	4.11	43384.61	1582.060439			4
+ 4.25	4.27	4.29	56106.44	2055.928965			5
4.25	4.29	4.29	98288.29	3601.614045			5
4.64	4.66	4.68	705065.8	31626.734801			6
Height Summation:			**970668.06**				
Amount Avg CF:			**6944.303263**	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:27:08
Instrument : CP25--18274B
Result file : 25PCBS17116017B.012.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 124% (61-152) Conc.: 36.10661
%SSR(DCB) : 149% (48-164) Conc.: 43.38889

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**54.06**	
2.89	2.92	2.93	108867.6	3301.364175			1
3.22	3.24	3.26	40261.09	916.875855			2
3.41	3.43	3.45	55920.63	1126.586187			3
3.49	3.51	3.53	51245.15	992.347894			4
3.65	3.67	3.69	83283.2	1989.970641			5
+ 3.65	3.69	3.69	26935.42	643.595527			5
3.74	3.76	3.78	65273.82	1706.979025			6
Height Summation:			**404851.49**				
Amount Avg CF:			**1672.353963**	Linear:			
Aroclor-1221					**3**	**83.22**	
2.77	2.79	2.81	12012.04	702.019114			1
2.84	2.85	2.88	6268.879	593.286588			2
2.89	2.92	2.93	108867.6	2439.971624			3
Height Summation:			**127148.519**				
Amount Avg CF:			**1245.092442**	Linear:			
Aroclor-1232					**6**	**35.34**	
2.89	2.92	2.93	108867.6	2639.860082			1
3.22	3.24	3.26	40261.09	1942.989457			2
3.41	3.43	3.45	55920.63	2510.62095			3
3.49	3.51	3.53	51245.15	2227.796139			4
3.65	3.67	3.69	83283.2	4701.330045			5
+ 3.65	3.69	3.69	26935.42	1520.502326			5
3.75	3.76	3.79	65273.82	3691.585334			6
Height Summation:			**404851.49**				
Amount Avg CF:			**2952.363668**	Linear:			
Aroclor-1242					**6**	**51.99**	
2.89	2.92	2.93	108867.6	3941.883737			1
3.22	3.24	3.26	40261.09	1148.11966			2
3.41	3.43	3.45	55920.63	1402.67551			3
3.49	3.51	3.53	51245.15	1259.843882			4
3.65	3.67	3.69	83283.2	2448.928772			5
+ 3.74	3.74	3.78	40556.66	1247.136377			6
3.74	3.76	3.78	65273.82	2007.200677			6
Height Summation:			**404851.49**				
Amount Avg CF:			**2034.775373**	Linear:			
Aroclor-1248					**6**	**156.07**	
3.41	3.43	3.45	55920.63	2816.836618			1
3.52	3.54	3.56	117970.2	2326.055789			2
3.65	3.67	3.69	83283.2	1373.036902			3
+ 3.65	3.69	3.69	26935.42	444.067058			3
3.74	3.76	3.78	65273.82	1408.996902			4
3.88	3.89	3.92	626281.6	6722.52053			5
4.24	4.25	4.28	1443764	32716.905234			6
Height Summation:			**2392493.45**				
Amount Avg CF:			**7894.058662**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **8998334** MSD RI ACF DF A4701 Sample ID: AC **Batchnumber: 171390030A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 2855 SDG: ATE47 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : May 22, 2017 17:27:08
Instrument : CP25--18274A
Result file : 25PCBS17116017.012.RAW
Calibration file : 25PCBS1711601.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	86.42	
4.24	4.25	4.28	189553.2	6458.339226			1
+ 4.24	4.27	4.28	56106.44	1911.623873			1
4.58	4.59	4.62	152118.2	4366.58297			2
+ 4.58	4.61	4.62	28216.78	809.968242			2
4.64	4.66	4.68	705065.8	10467.133253			3
4.77	4.78	4.81	922553.4	42382.724237			4
4.86	4.87	4.89	625325.5	12621.538686			5
5.05	5.07	5.09	800612.9	21726.712215			6
Height Summation:			3395229				
Amount Avg CF:			16337.171765	Linear:			
Aroclor-1260					6	15.77	
4.76	4.78	4.80	922553.4	18940.113763			1
5.05	5.07	5.09	800612.9	28368.460787			2
5.23	5.25	5.27	645136.4	19473.30098			3
5.40	5.41	5.44	731825.6	20271.93305			4
5.63	5.65	5.67	2262880	23119.292851			5
5.83	5.85	5.87	1365628	22843.618885			6
Height Summation:			6728636.3				
Amount Avg CF:			22169.453386	Linear:			
Aroclor-1262					6	32.98	
5.23	5.25	5.27	645136.4	10912.112045			1
5.40	5.41	5.44	731825.6	14375.832622			2
5.63	5.65	5.67	2262880	17242.392053			3
5.83	5.85	5.87	1365628	16962.574895			4
5.89	5.90	5.93	229779.3	6226.449943			5
6.26	6.28	6.30	529427.6	11113.06024			6
Height Summation:			5764676.9				
Amount Avg CF:			12805.403633	Linear:			
Aroclor-1268					6	96.39	
5.83	5.85	5.87	1365628	9606.346148			1
5.89	5.90	5.93	229779.3	1776.350456			2
6.03	6.04	6.07	16057.93	133.664149			3
+ 6.09	6.09	6.13	43391.86	1388.463145			4
6.09	6.12	6.13	225740.8	7223.308271			4
6.26	6.28	6.30	529427.6	10397.05204			5
6.47	6.48	6.51	115046.7	275.139935			6
Height Summation:			2481680.33				
Amount Avg CF:			4901.976833	Linear:			

Analysis Report (B)

Injected on : May 22, 2017 17:27:08
Instrument : CP25--18274B
Result file : 25PCBS17116017B.012.RAW
Calibration file : 25PCBS1711601B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	90.07	
4.18	4.19	4.22	491874.5	6359.844812			1
4.24	4.25	4.28	1443764	10167.901087			2
4.33	4.35	4.37	2345791	35982.443955			3
4.40	4.42	4.44	1174546	12371.357302			4
+ 4.40	4.44	4.44	523088.5	5509.630729			4
4.47	4.48	4.51	3218636	61140.259503			5
4.62	4.64	4.66	1037768	14984.620266			6
Height Summation:			9712379.5				
Amount Avg CF:			23501.071154	Linear:			
Aroclor-1260					6	12.64	
4.33	4.35	4.37	2345791	22183.558393			1
4.47	4.48	4.51	3218636	26571.982863			2
4.57	4.59	4.61	2232926	21474.359452			3
4.92	4.93	4.96	1733492	20807.21728			4
5.11	5.13	5.15	5191999	25270.854363			5
5.37	5.39	5.41	3485268	28281.341316			6
Height Summation:			18208112				
Amount Avg CF:			24098.218944	Linear:			
Aroclor-1262					6	36.50	
4.73	4.75	4.77	1219794	9160.473658			1
4.92	4.93	4.96	1733492	13163.411848			2
5.11	5.13	5.15	5191999	18840.384445			3
5.33	5.34	5.36	774877.9	7478.109023			4
5.37	5.39	5.41	3485268	19376.101633			5
5.75	5.77	5.79	1276187	12353.504806			6
Height Summation:			13681617.9				
Amount Avg CF:			13395.330902	Linear:			
Aroclor-1268					6	127.54	
5.33	5.34	5.37	774877.9	2367.125387			1
5.37	5.39	5.41	3485268	10947.696487			2
5.53	5.54	5.57	54921.73	198.29251			3
5.59	5.61	5.63	20615.22	302.264843			4
+ 5.59	5.63	5.63	8201.607	120.253747			4
5.75	5.77	5.79	1276187	11062.32873			5
5.95	5.97	5.99	252976.9	257.207859			6
Height Summation:			5864846.75				
Amount Avg CF:			4189.152636	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5064.5484	983.1182		** 51.11	4	40	
Aroclor-1221			5064.5484	1519.3645		** 98.19	3	5	
Aroclor-1232			5064.5484	1221.4499		** 40.57	4	10	
Aroclor-1242			5064.5484	1221.4499		** 51.96	4	30	
Aroclor-1248			5064.5484	983.1182		12.80	4	40	
Aroclor-1254			5064.5484	1310.8243		35.96	4	40	
Aroclor-1260			5064.5484	1161.867		8.34	4	40	
Aroclor-1262			5064.5484	983.1182		4.50	4	40	
Aroclor-1268			5064.5484	983.1182		15.68	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8998334MSD RI ACF DFACA4701 MSD 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:27:08 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: 25pcbs17116017.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1711601.CAL

RT A	Compound A	Height A	Area A
2.045		8242	10970
2.092		3678	4994
2.145		2338	3456
2.212		29694	24587
2.339		4684	3307
2.376		2054	1750
2.399		811	813
2.452		265	206
2.503		4216	5116
2.548		686	535
2.573		806	493
2.601		11119	7841
2.664		13520	12449
2.757		3208	10621
2.818		844	639
2.854		508	567
2.888		557	432
2.913		2685	2286
2.944	TCX	48815	34053
3.052		4950	3358
3.092		4139	3912
3.149		3748	3148
3.196		17830	12612
3.249		41305	23813
3.266		55264	32651
3.331		457	432
3.414		16389	9978
3.431		7982	4281
3.468		1859	1080
3.484		2676	2987
3.529		22080	16467
3.565		887	956
3.606		8053	5294
3.64		4408	3336
3.655		2075	986
3.699		8199	5366
3.71		21706	11111
3.747		37272	31292
3.804		26158	21501
3.845		1732	1136
3.876		60470	45124
3.911		33151	55225
3.999		37301	27676
4.024		8444	5284
4.055		16849	11882
4.088		43385	48383
4.13		8989	8168
4.177		859	847
4.192		9054	5475
4.215		8421	5275
4.25		189553	139268
4.268		56106	28333
4.293		98288	84855
4.363		87370	73321

RT A	Compound A	Height A	Area A
4.406		443662	479658
4.44		197166	169249
4.48		12696	9052
4.502		22343	16594
4.544		176937	168799
4.594		152118	118042
4.61		28217	11953
4.624		52722	32784
4.656		705066	642426
4.705		326919	346992
4.741		116211	85143
4.781		922553	915272
4.827		75831	66690
4.867		625326	610093
4.899		12158	7650
4.928		222160	226195
4.979		1380210	1787572
5.03		184974	166455
5.067		800613	918612
5.113		47007	32022
5.15		133307	166937
5.183		2110975	2075274
5.223		24032	12489
5.25		645136	600005
5.293		474588	478189
5.386		300381	253533
5.411		731826	617849
5.467		410800	385209
5.506		255176	256352
5.548		34430	37919
5.586		319552	388604
5.645		2262880	2328983
5.732		3241	3514
5.764		1899	1189
5.797		2271	2888
5.849		1365629	1294076
5.879		105009	66293
5.905		229779	270408
6.016		10177	7847
6.042		16058	14082
6.091		43392	33114
6.12		225741	219356
6.156		1642	1152
6.183		1182	763
6.276		529428	561319
6.32		37911	36954
6.365		4990	5309
6.4		1769	1744
6.479		115047	124057
6.56		1317	1932
6.629	DCB	48548	57613
6.662		663	247
6.688		5186	4512
6.737		1041	1236
6.774		2646	3580
6.833		1710	3022
6.885		334	763
6.909		4063	5403

LANCASTER LABORATORIES

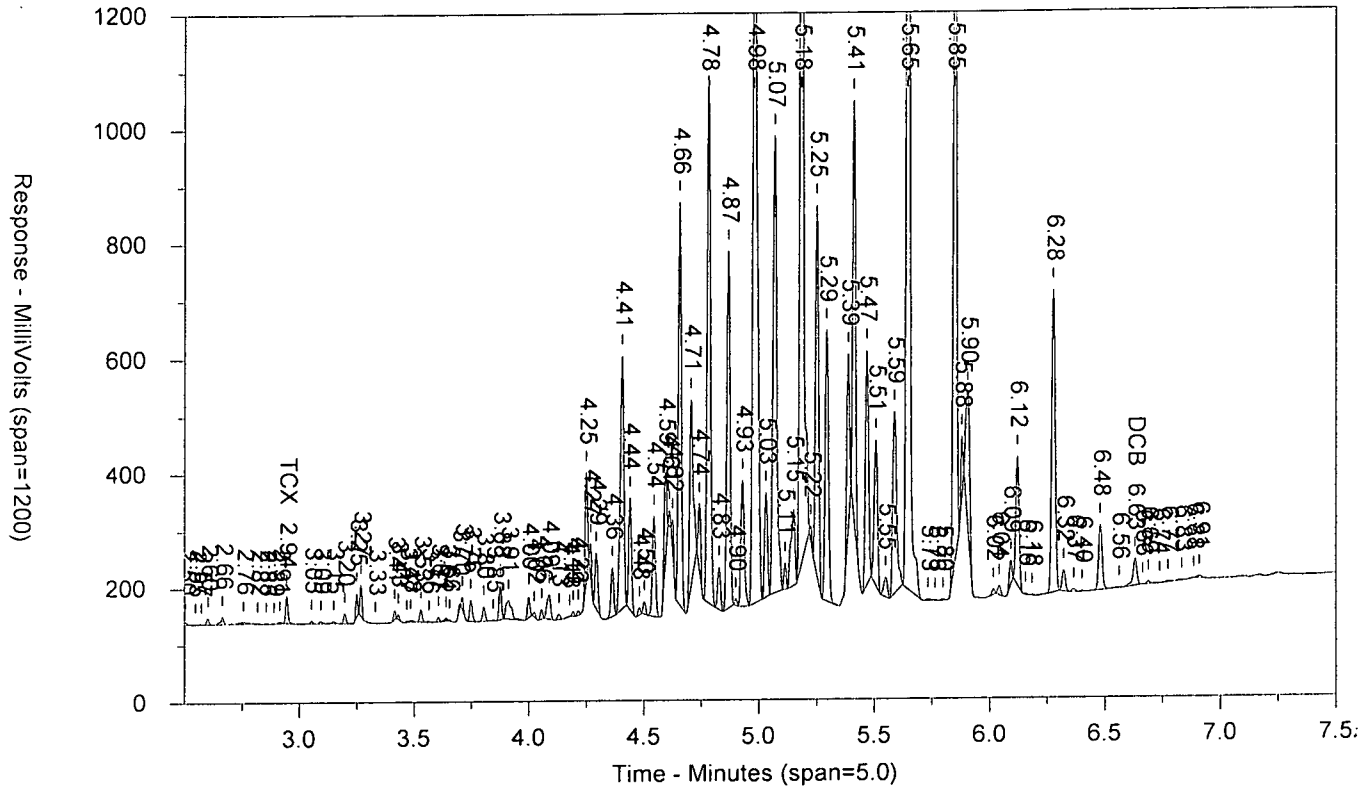
Sample Number: 8998334MSD RI ACF DFACA4701 MSD 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:27:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17116017B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1711601b.CAL

RT B	Compound B	Height B	Area B
2.115		1755	3267
2.161		17299	12919
2.213		1890	3432
2.237		3116	4852
2.324		2366	2609
2.367		18064	15096
2.471		1979	2067
2.544		1766	1700
2.62	TCX	69238	44653
2.664		2225	1983
2.725		2004	3124
2.792		12012	7382
2.854		6269	4775
2.918		108868	136865
3.017		3497	2243
3.043		2809	1598
3.114		40588	39321
3.166		4103	2511
3.188		5929	3726
3.212		4354	2243
3.237		40261	28286
3.275		15971	11456
3.32		10252	5546
3.337		6666	3518
3.365		1593	956
3.387		17589	9384
3.396		38287	16407
3.43		55921	55380
3.505		51245	35359
3.54		117970	71945
3.564		92583	53785
3.581		30784	15253
3.598		4459	2403
3.668		83283	53958
3.691		26935	14520
3.712		35499	22714
3.741		40557	21095
3.758		65274	39395
3.798		28547	23877
3.845		26434	28891
3.87		55299	33429
3.892		626282	419297
3.917		139502	82731
3.937		71524	38061
3.957		179753	118485
3.992		959246	653350
4.023		409178	268519
4.041		75672	34480
4.061		21085	12251
4.102		52504	40520
4.137		294210	244568
4.165		25116	19655
4.194		491875	373163
4.229		242293	238691

RT B	Compound B	Height B	Area B
4.255		1443764	1432282
4.293		347485	352126
4.346		2345791	1841830
4.384		152093	129235
4.416		1174546	819557
4.44		523089	374071
4.483		3218636	2516800
4.536		9071	7059
4.585		2232926	2170214
4.635		1037768	885591
4.677		710043	618908
4.713		4106582	3485000
4.746		1219795	845164
4.784		1048567	811235
4.843		17577	20771
4.883		238641	161806
4.901		91940	54747
4.934		1733492	1340103
4.958		601684	411888
5.008		1017840	906253
5.044		543355	447266
5.074		356030	286622
5.105		292487	179964
5.128		5191999	4194358
5.169		101754	72849
5.2		131774	109194
5.243		3675	2626
5.265		9304	6704
5.3		3375	3027
5.318		38583	23828
5.342		774878	650930
5.386		3485268	3666572
5.541		54922	46262
5.587		120373	92865
5.609		20615	12507
5.632		8202	4436
5.659		515644	458824
5.702		4246	3699
5.766		1276187	1053351
5.797		76883	58681
5.965		252977	222911
6.053		1793	1967
6.125	DCB	102997	97634
6.161		1819	2113
6.254		1401	1693
6.301		13010	10202
6.328		4690	4120
6.368		1333	1244
6.442		951	811
6.505		1096	2144
6.607		3714	4991
6.655		2413	2190
6.776		1431	1426
6.842		1075	1612
6.903		4161	4961
6.972		1683	2106

8998334MSD RI ACF DFACA4701 MSD 171390030A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116017.012.RAW



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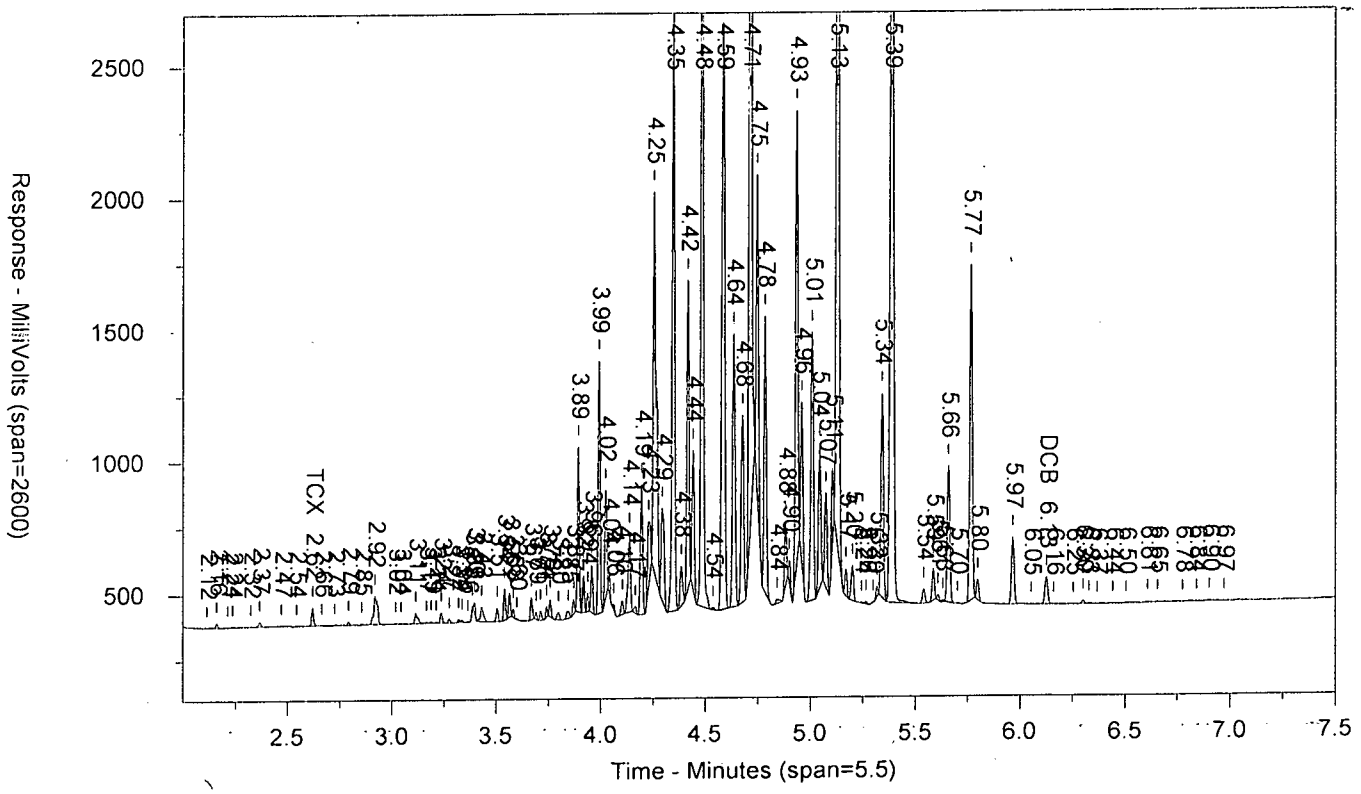


LANCASTER LABORATORIES

Sample Number: 8998334MSD RI ACF DFACA4701 MSD 171390030A 10225 SW-846 8082
Injected On: 5/22/2017 5:27:08 PM Sample Weight: 10.07
Instrument ID: CP25-18274 Dilution Factor: 1000
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

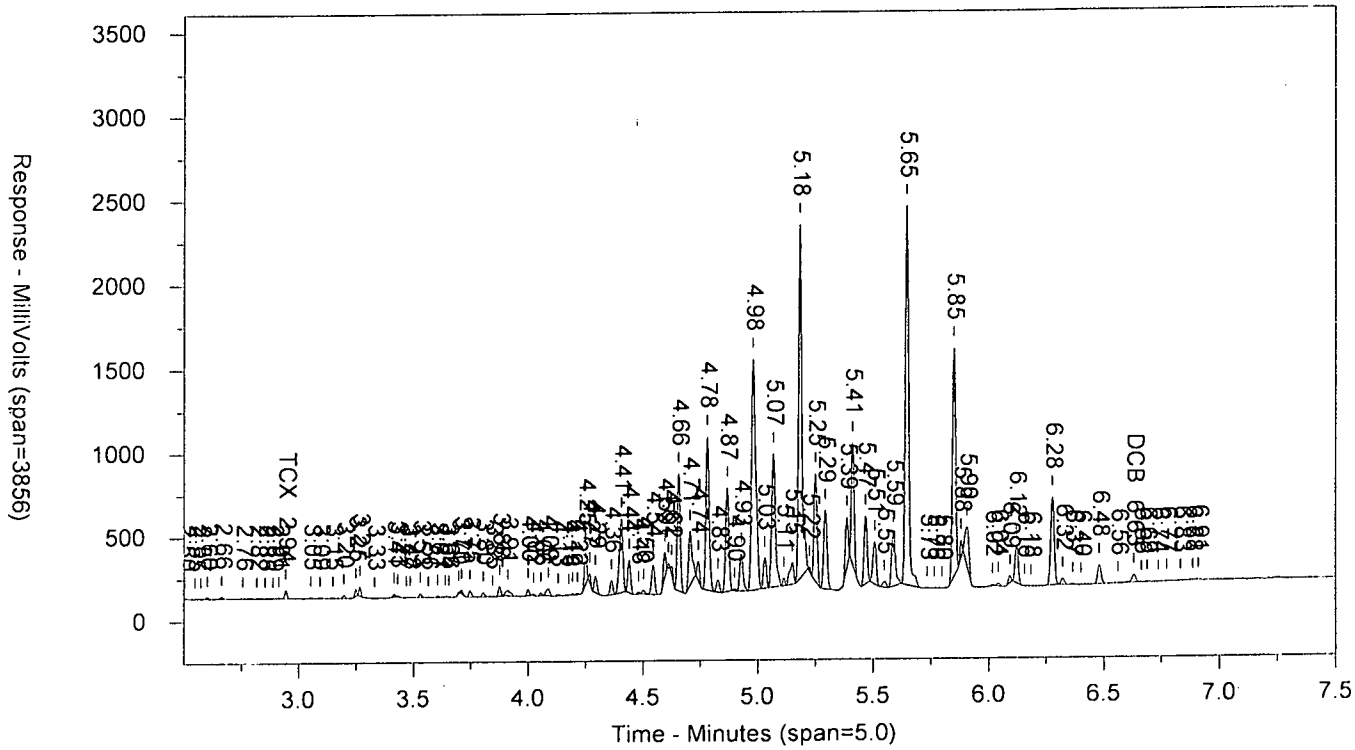
Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	48815	34.681	TCX	2.62	69238	36.107	TCX
6.629	48548	48.363	DCB	6.125	102997	43.389	DCB

Files:
Area File: 25pcbs17116017.012.RAW
Area File: 25pcbs17116017B.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: 5/22/2017 5:35:40 PM
File Reported On: 5/22/2017 at 5:35:46 PM

8998334MSD RI ACF DFACA4701 MSD 171390030A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17116017.012.RAW



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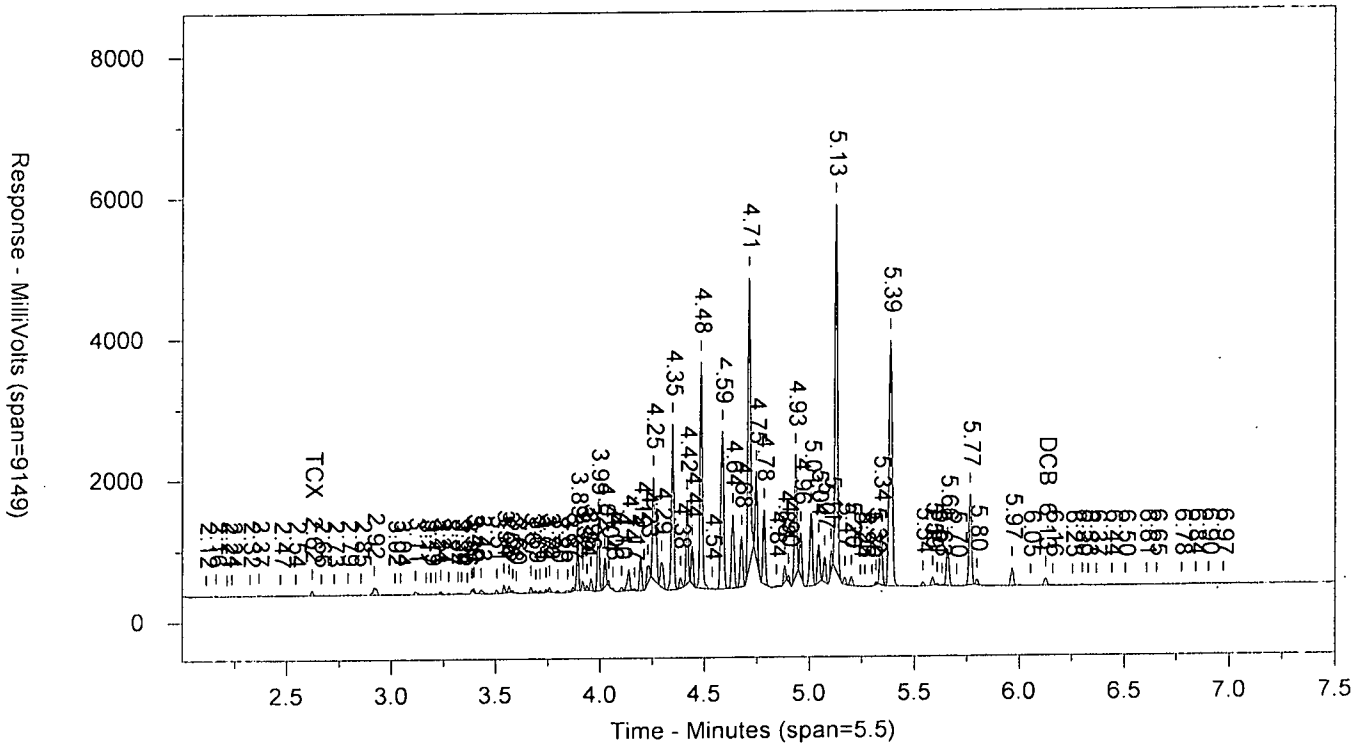

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Data Summary

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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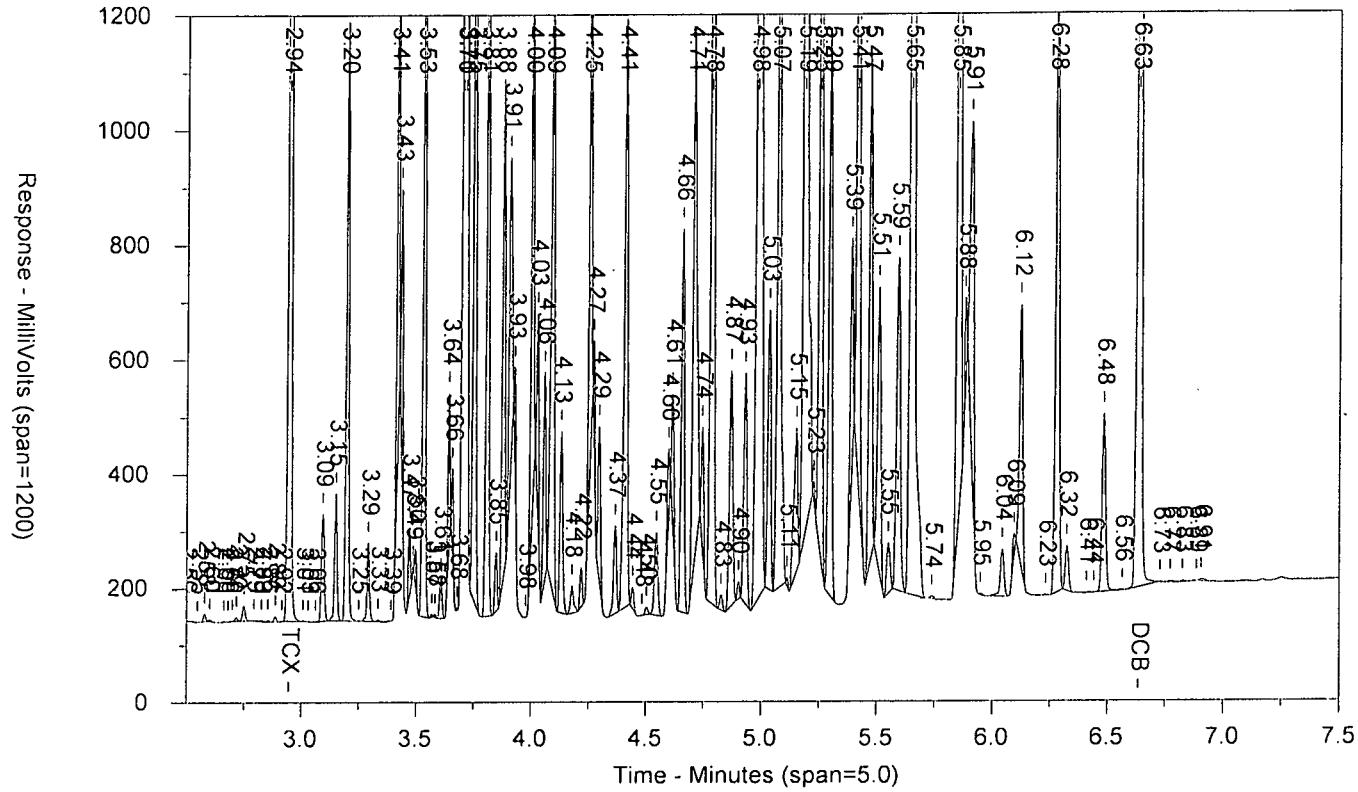

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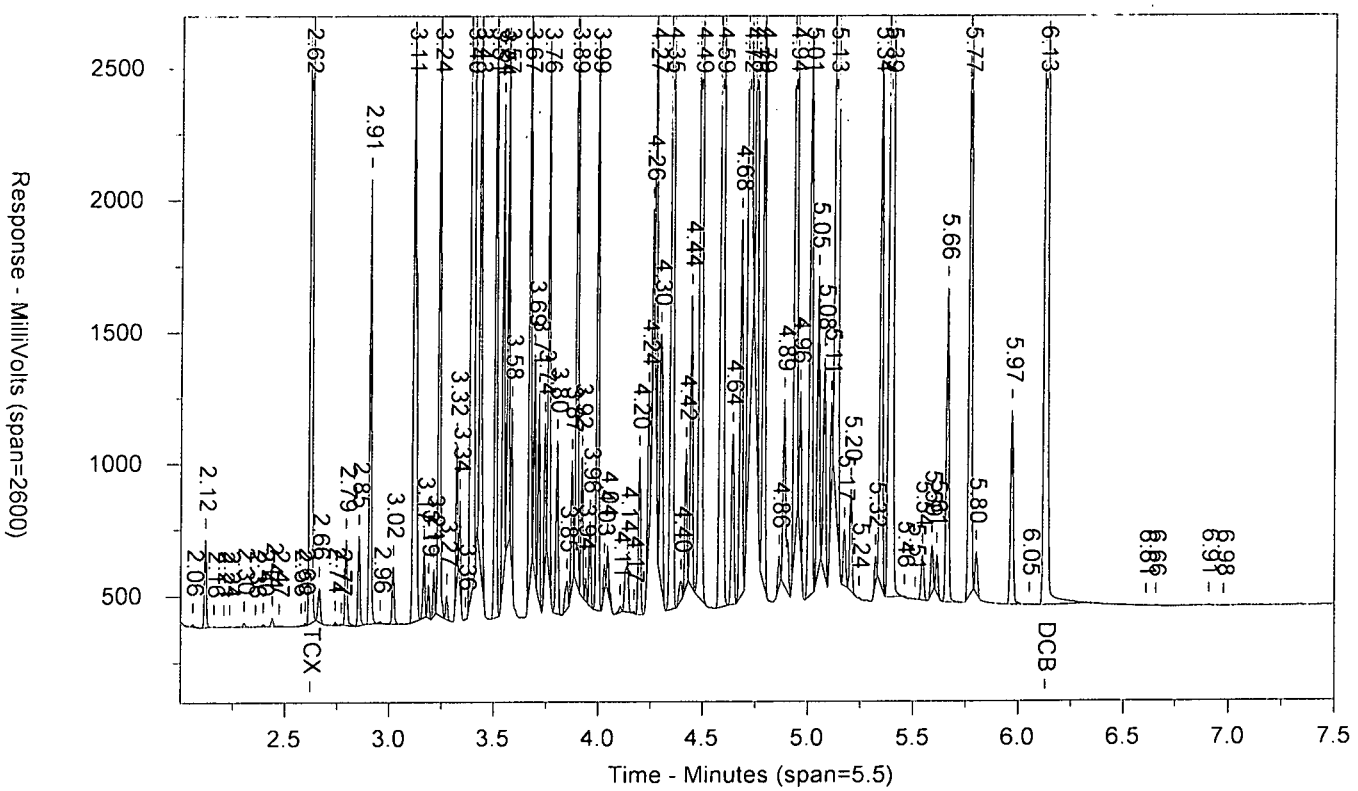

LANCASTER LABORATORIES

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

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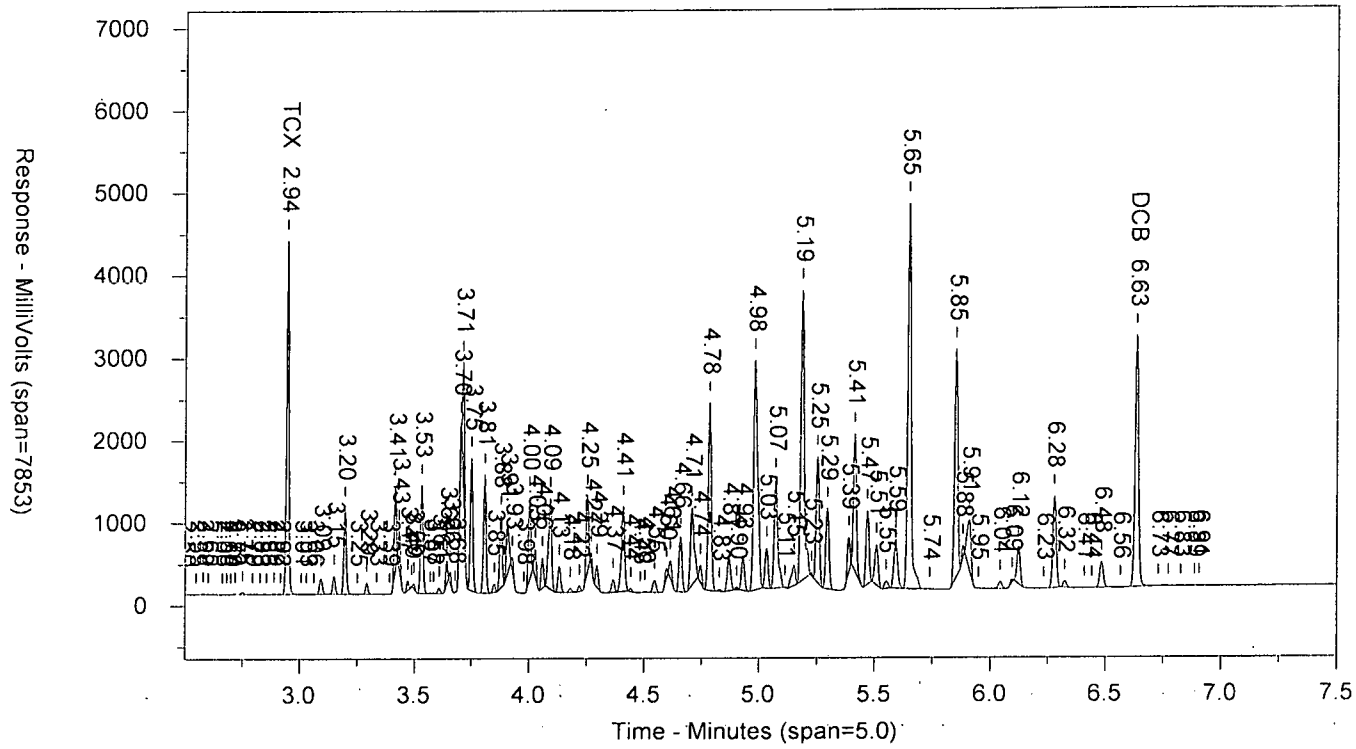

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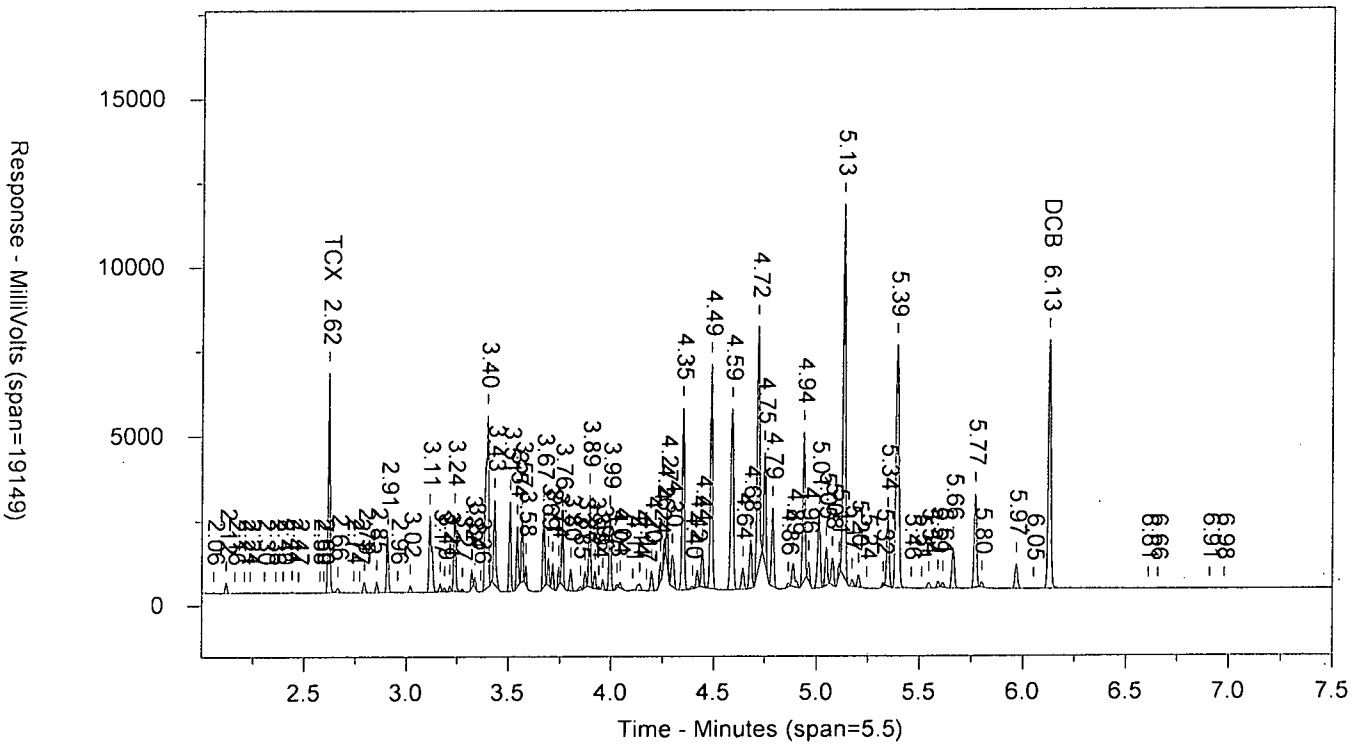

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Data Summary

Sample Name: BLANKA 5/18/17 AF PBLK19138 BLK Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 15:25:03
Instrument	17342A
Result file	20PCBS17137003.013.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 97% (33 - 137) Conc: 0.28386
%SSR(DCB) 81% (10 - 148) Conc: 0.236437

Analysis Report (B)

Injected on	May 20, 2017 15:25:03
Instrument	17342B
Result file	20PCBS17137003B.013.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 94% (33 - 137) Conc: 0.273628
%SSR(DCB) 79% (10 - 148) Conc: 0.231073

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	4032245	0.28386	Tetrachloro-m-xylene	2.59	2.62	2.65	23645160	0.273628
Decachlorobiphenyl	6.58	6.61	6.64	2033847	0.236437	Decachlorobiphenyl	6.08	6.11	6.14	14071720	0.231073

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	0.28386				3.67	
Decachlorobiphenyl	A	0.236437				2.29	

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<0.4	<0.08			4	
PCB-1221			<0.4	<0.08			3	
PCB-1232			<0.4	<0.16			4	
PCB-1242			<0.4	<0.08			4	
PCB-1248			<0.4	<0.08			4	
PCB-1254			<0.4	<0.08			4	
PCB-1260			<0.4	<0.12			4	
PCB-1262			<0.4	<0.16			4	
PCB-1268			<0.4	<0.128			4	
Total PCBs			<0.4	<0.08				

Units: ug/l

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Jessica L. Miller, Senior Chemist
Date: MAY 21 2017

Verified by:
Date: MAY 22 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/18/17 AF PBLK19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:25:03
Instrument : CP20--17342A
Result file : 20PCBS17137003.013.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 97% (33-137) Conc.: 0.28386
%SSR(DCB) : 81% (10-148) Conc.: 0.236438

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**50.07**	
3.16	3.19	3.20	3203.723	0.012491			1
3.37	3.39	3.41	1776.148	0.006782			2
3.49	3.49	3.53	2540.069	0.008615			3
+ 3.49	3.53	3.53	2026.867	0.006874			3
3.76	3.77	3.80	842.5541	0.003153			5
Height Summation:			**8362.4941**				
Amount Avg CF:				**0.00776** Linear:			
Aroclor-1221					**3**	**122.97**	
3.06	3.07	3.10	8776.98	0.071436			1
3.11	3.12	3.15	33909.95	0.319248			2
3.16	3.19	3.20	3203.723	0.009336			3
Height Summation:			**45890.653**				
Amount Avg CF:				**0.13334** Linear:			
Aroclor-1232					**4**	**38.92**	
3.16	3.19	3.20	3203.723	0.010408			1
3.38	3.39	3.42	1776.148	0.01434			2
3.49	3.49	3.53	2540.069	0.018691			3
+ 3.49	3.53	3.53	2026.867	0.014914			3
3.77	3.77	3.81	842.5541	0.00729			5
Height Summation:			**8362.4941**				
Amount Avg CF:				**0.012682** Linear:			
Aroclor-1242					**4**	**47.26**	
3.16	3.19	3.20	3203.723	0.014581			1
3.38	3.39	3.42	1776.148	0.008186			2
3.49	3.49	3.53	2540.069	0.010691			3
+ 3.49	3.53	3.53	2026.867	0.008531			3
3.77	3.77	3.81	842.5541	0.004026			5
Height Summation:			**8362.4941**				
Amount Avg CF:				**0.009371** Linear:			
Aroclor-1248					**3**	**15.95**	
3.76	3.77	3.80	842.5541	0.005808			1
3.83	3.85	3.87	1904.338	0.007218			2
4.05	4.08	4.09	1379.942	0.005343			4
Height Summation:			**4126.8341**				
Amount Avg CF:				**0.006123** Linear:			
Aroclor-1254					**2**	**40.33**	
4.55	4.58	4.59	1191.882	0.003288			2
4.83	4.85	4.87	884.7841	0.001828			5
Height Summation:			**2076.6661**				
Amount Avg CF:				**0.002558** Linear:			
Aroclor-1260					**2**	**29.51**	
5.20	5.21	5.24	1585.015	0.004677			3
5.82	5.84	5.86	1612.297	0.003062			6
Height Summation:			**3197.312**				
Amount Avg CF:				**0.003869** Linear:			
Aroclor-1262					**2**	**4.17**	
5.21	5.21	5.24	1585.015	0.00254			1
5.81	5.84	5.85	1612.297	0.002394			4
Height Summation:			**3197.312**				
Amount Avg CF:				**0.002467** Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:25:03
Instrument : CP20--17342B
Result file : 20PCBS17137003B.013.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 94% (33-137) Conc.: 0.273628
%SSR(DCB) : 79% (10-148) Conc.: 0.231073

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**76.51**	
2.88	2.88	2.92	4668.224	0.003303			1
+ 3.21	3.23	3.25	2993.714	0.001704			2
3.21	3.25	3.25	8835.598	0.00503			2
3.40	3.41	3.44	17477.21	0.009902			3
3.47	3.48	3.51	3396.971	0.001627			4
3.63	3.64	3.67	3617.985	0.002063			5
Height Summation:			**37995.988**				
Amount Avg CF:				**0.004385** Linear:			
Aroclor-1221					**3**	**139.86**	
2.77	2.79	2.81	6922.115	0.00928			1
2.83	2.83	2.87	36045.71	0.078389			2
2.88	2.88	2.92	4668.224	0.002447			3
Height Summation:			**47636.049**				
Amount Avg CF:				**0.030039** Linear:			
Aroclor-1232					**5**	**125.78**	
2.88	2.88	2.92	4668.224	0.002703			1
+ 3.21	3.23	3.25	2993.714	0.003587			2
3.21	3.25	3.25	8835.598	0.010587			2
3.40	3.41	3.44	17477.21	0.023407			3
3.47	3.48	3.51	3396.971	0.003703			4
3.66	3.67	3.70	17163.78	0.068512			5
Height Summation:			**51541.783**				
Amount Avg CF:				**0.021782** Linear:			
Aroclor-1242					**5**	**65.82**	
2.88	2.88	2.92	4668.224	0.003841			1
+ 3.21	3.23	3.25	2993.714	0.002063			2
3.21	3.25	3.25	8835.598	0.006087			2
3.40	3.41	3.44	17477.21	0.012245			3
3.47	3.48	3.51	3396.971	0.002082			4
+ 3.64	3.64	3.68	3617.985	0.002694			5
3.64	3.67	3.68	17163.78	0.012779			5
Height Summation:			**51541.783**				
Amount Avg CF:				**0.007407** Linear:			
Aroclor-1248					**5**	**142.00**	
3.40	3.41	3.44	17477.21	0.025107			1
3.51	3.54	3.55	6521.802	0.003322			2
3.63	3.64	3.67	3617.985	0.001475			3
3.86	3.86	3.90	2621.937	0.000782			5
4.22	4.24	4.26	7614.641	0.005134			6
Height Summation:			**37853.575**				
Amount Avg CF:				**0.007164** Linear:			
Aroclor-1254					**3**	**4.59**	
4.22	4.24	4.26	7614.641	0.001642			2
+ 4.31	4.31	4.35	1861.432	0.000863			3
4.31	4.33	4.35	3355.305	0.001556			3
4.60	4.62	4.64	3728.425	0.001705			6
Height Summation:			**14698.371**				
Amount Avg CF:				**0.001634** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/18/17 AF PBLK19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:25:03
Instrument : CP20--17342A
Result file : 20PCBS17137003.013.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**141.15**	
5.81	5.84	5.85	1612.297	0.001077			1
6.00	6.02	6.04	26771.4	0.021976			3
6.07	6.09	6.11	26425.99	0.094617			4
6.45	6.47	6.49	21853.3	0.00555			6

Height Summation: **76662.987**
Amount Avg CF: **0.030805** Linear:

Analysis Report (B)

Injected on : May 20, 2017 15:25:03
Instrument : CP20--17342B
Result file : 20PCBS17137003B.013.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**74.17**	
+ 4.31	4.31	4.35	1861.432	0.000527			1
4.31	4.33	4.35	3355.305	0.000951			1
4.55	4.58	4.59	12221.95	0.00365			3
4.90	4.91	4.94	3847.43	0.001495			4
5.35	5.37	5.39	3503.558	0.000897			6

Height Summation: **22928.243**
Amount Avg CF: **0.001748** Linear:

Aroclor-1262					**4**	**22.72**	
4.71	4.74	4.75	2445.345	0.000604			1
4.90	4.91	4.94	3847.43	0.000955			2
5.31	5.33	5.35	3024.295	0.000952			4
5.35	5.37	5.39	3503.558	0.000685			5

Height Summation: **12820.628**
Amount Avg CF: **0.000799** Linear:

Aroclor-1268					**5**	**166.31**	
5.31	5.33	5.35	3024.295	0.000292			1
5.35	5.37	5.39	3503.558	0.000334			2
5.51	5.53	5.55	180793.7	0.020091			3
5.57	5.60	5.61	205276.6	0.094352			4
5.93	5.95	5.97	146526.9	0.005468			6

Height Summation: **539125.053**
Amount Avg CF: **0.024108** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		** 55.58	4	40	
Aroclor-1221			0.4	0.08		** 126.46	3	5	
Aroclor-1232			0.4	0.16		** 52.81	4	10	
Aroclor-1242			0.4	0.08		23.41	4	30	
Aroclor-1248			0.4	0.08		15.67	4	40	
Aroclor-1254			0.4	0.08		** 44.07	4	40	
Aroclor-1260			0.4	0.12		** 75.52	4	40	
Aroclor-1262			0.4	0.16		** 102.16	4	40	
Aroclor-1268			0.4	0.128		24.39	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: BLANKA 5/18/17 AF ABPBLK19138 BLK 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:25:03 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.013.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.037		1219	1737
2.1		5754	6569
2.131		12367	8843
2.172		6786	4567
2.219		12168	8969
2.311		13667	8506
2.33		5421	3094
2.389		13013	9962
2.426		2767	2465
2.476		53538	34605
2.551		3044	2244
2.617		1629	1064
2.649		3231	3103
2.778		28987	27026
2.83		2823	2419
2.876		11974	7400
2.925	TCX	4032245	2642376
3.045		1661	1014
3.07		8777	6479
3.12		33910	23972
3.192		3204	2682
3.236		2524	1567
3.257		6413	4287
3.365		2850	2301
3.393		1776	1465
3.468		1401	890
3.493		2540	1981
3.53		2027	2189
3.573		983	540
3.667		12492	9897
3.751		952	594
3.769		843	441
3.851		1904	1864
3.929		607	756
4.082		1380	1833
4.172		935	662
4.193		1068	966
4.298		5077	5305
4.383		1392	2353
4.508		1763	2491
4.575		1192	1137
4.852		885	474
4.88		5908	5047
4.923		1918	1929
5.119		12445	12164
5.206		1585	1713
5.432		916	602
5.53		12551	12738
5.652		20639	21095
5.843		1612	2093
6.024		26771	26945
6.088		26426	23073
6.11		4098	2556
6.466		21853	22965

RT A	Compound A	Height A	Area A
6.611	DCB	2033847	2184603
7.003		710	653
7.893		480	10250
8.683		4399	6323

LANCASTER LABORATORIES

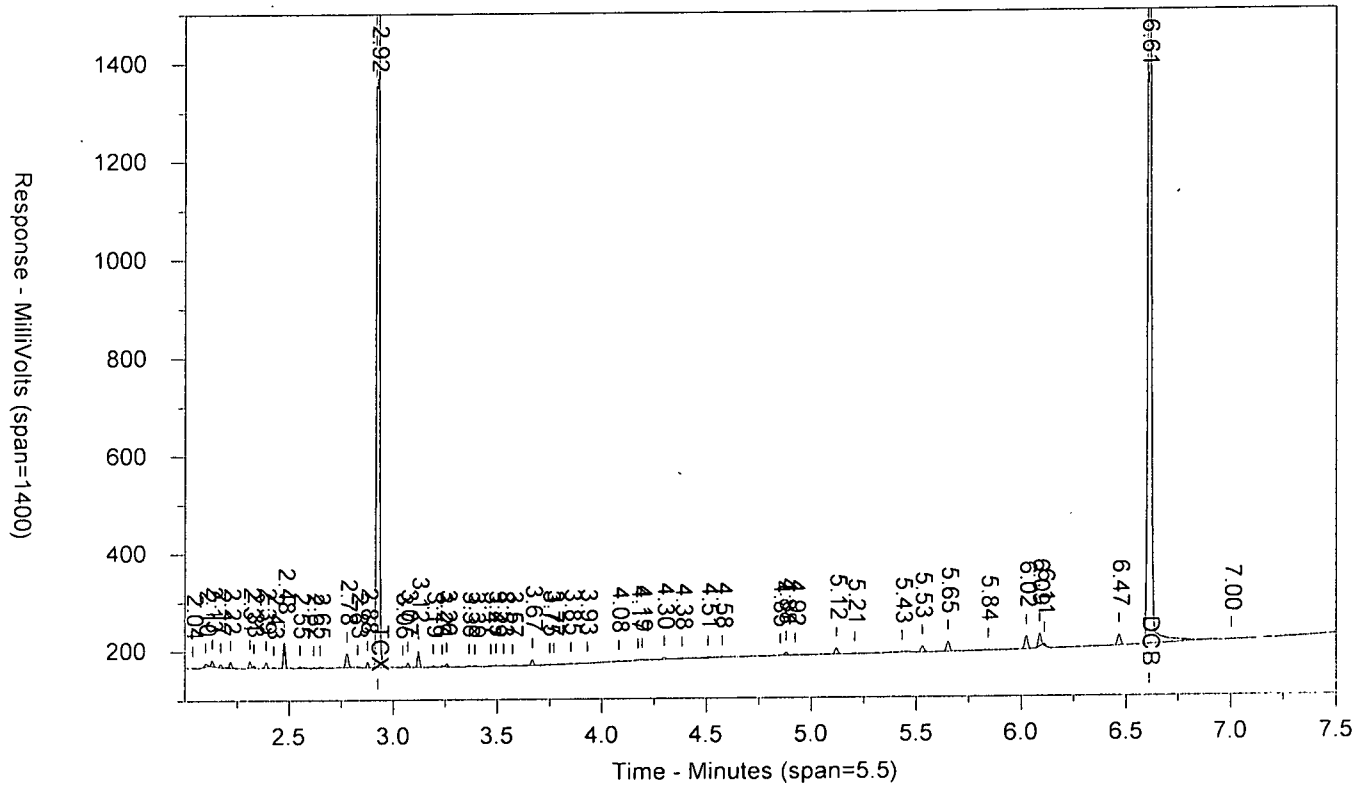
Sample Number: BLANKA 5/18/17 AF ABPBLK19138 BLK 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:25:03 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137003B.013.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		9389	7120
2.054		38910	26267
2.096		345172	193047
2.115		78376	38857
2.157		6434	6578
2.185		4876	2926
2.232		20698	25276
2.288		6400	4275
2.313		4294	3365
2.354		4716	2398
2.365		18393	9214
2.396		67756	36258
2.435		8349	4220
2.479		4937	4103
2.547		68570	43463
2.616	TCX	23645160	14024700
2.679		14986	8671
2.734		2762	1717
2.764		3012	1672
2.79		6922	3108
2.813		168695	92822
2.833		36046	18593
2.885		4668	4845
2.923		10136	4516
2.934		8808	3369
2.948		20874	9896
3		12861	9085
3.045		4512	2757
3.12		10771	6318
3.146		14444	8023
3.182		17738	16697
3.23		2994	1683
3.246		8836	7830
3.267		3267	2889
3.325		118407	74539
3.373		4977	6386
3.408		17477	14749
3.449		10325	13387
3.478		3397	5827
3.544		6522	10163
3.583		7600	6920
3.644		3618	3448
3.674		17164	10638
3.71		14503	30071
3.771		2710	1392
3.833		2396	2047
3.86		2622	1290
3.937		11537	8557
3.986		6291	23387
4.073		37804	31428
4.11		3423	2547
4.151		8199	8181
4.199		5779	7259
4.237		7615	10818

RT B	Compound B	Height B	Area B
4.313		1861	1927
4.329		3355	2778
4.439		47116	52133
4.531		3162	6117
4.58		12222	14659
4.623		3728	2822
4.668		83068	64508
4.741		2445	1430
4.816		2380	2263
4.841		5859	6921
4.915		3847	4751
4.983		5380	6149
5.025		2483	1156
5.062		66967	64028
5.133		1471	2598
5.184		138533	120994
5.327		3024	4087
5.368		3504	3800
5.527		180794	163657
5.595		205277	178693
5.644		62480	54761
5.858		2298	4440
5.949		146527	130046
5.981		4055	2896
6.064		1580	1064
6.109	DCB	14071730	12408600
6.283		2752	5209
7.191		1893	1535
7.417		2125	2818
8.214		19069	36909
8.439		1354	5107

BLANKA 5/18/17 AF ABPBLK19138 BLK 171380019A 10227 SW-846 808

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137003.013.RAW



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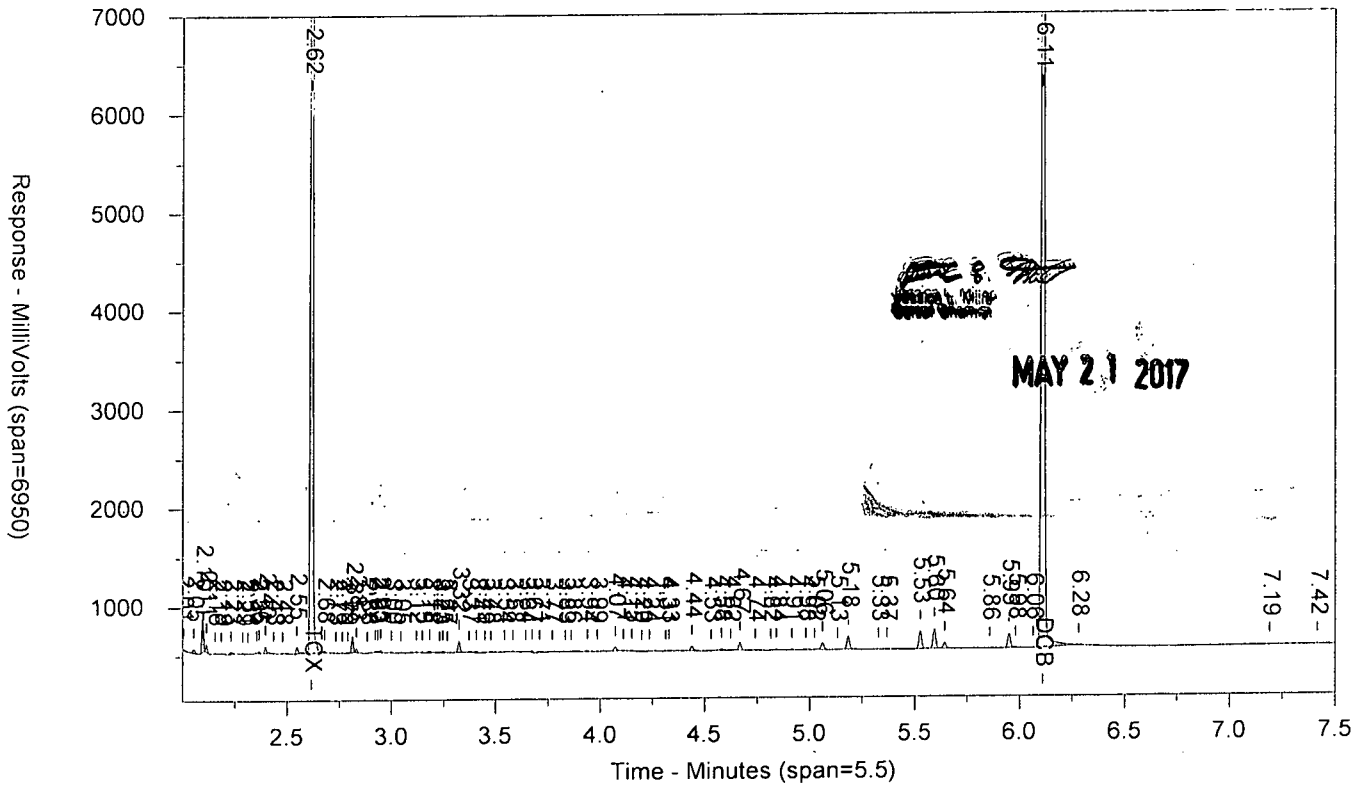

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LANCASTER LABORATORIES

Sample Number: BLANKA 5/18/17 AF ABPBLK19138 BLK 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:25:03 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
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: 5
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
2.925	4032245	.284	TCX	2.616	23645160	.274	TCX
6.611	2033847	.236	DCB	6.109	14071730	.231	DCB

Files:
Area File: 20pcbs17137003.013.RAW
Area File: 20pcbs17137003B.013.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 3:33:47 PM
File Reported On: 5/20/2017 at 3:33:53 PM

BLANKA 5/18/17 AF ABPBLK19138 BLK 171380019A 10227 SW-846 808

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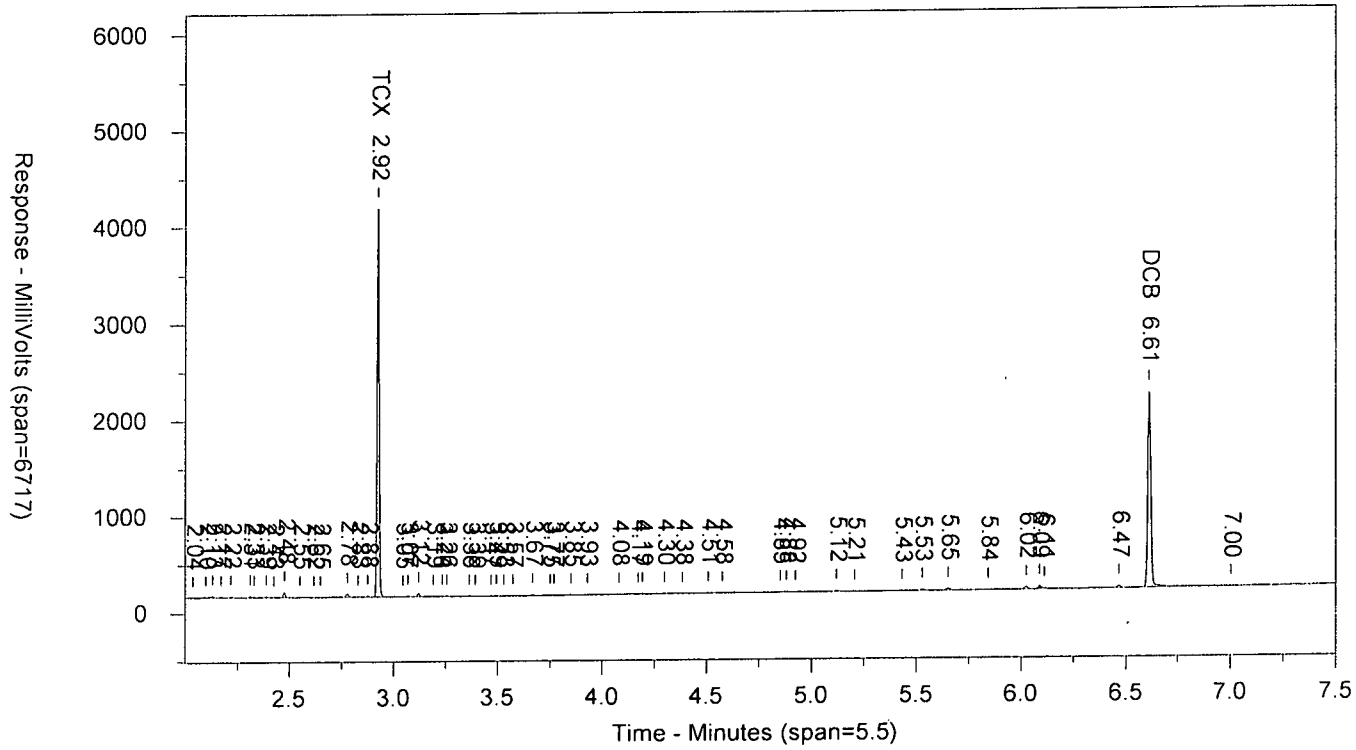

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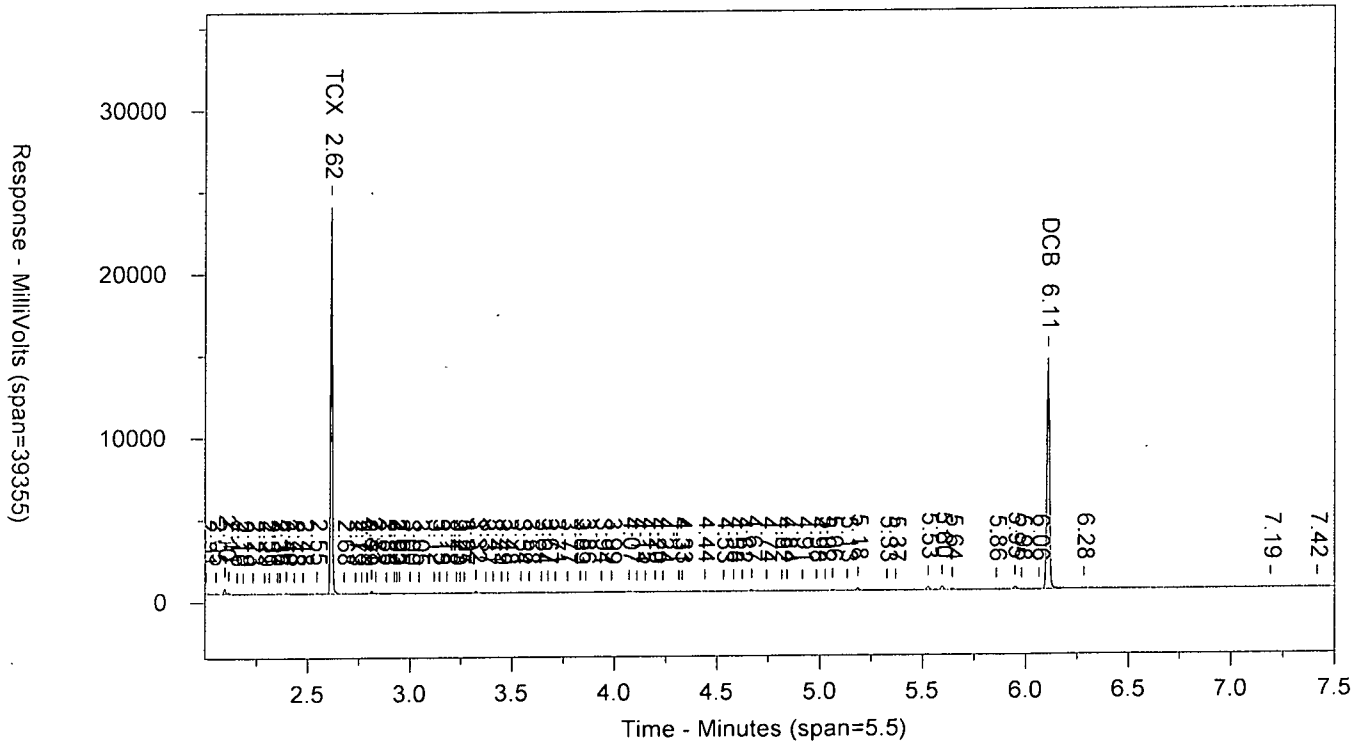

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Data Summary

Sample Name: LCSA 5/18/17 AF LCS19138 LCS Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 15:36:19
Instrument	17342A
Result file	20PCBS17137003.014.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 92% (33 - 137) Conc: 0.268281
%SSR(DCB) 41% (10 - 148) Conc: 0.119749

Analysis Report (B)

Injected on	May 20, 2017 15:36:19
Instrument	17342B
Result file	20PCBS17137003B.014.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 91% (33 - 137) Conc: 0.265123
%SSR(DCB) 40% (10 - 148) Conc: 0.11845

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3810949	0.268281
Decachlorobiphenyl	6.58	6.61	6.64	1030083	0.119749

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	22910260	0.265123
Decachlorobiphenyl	6.08	6.11	6.14	7213309	0.11845

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	0.268281				1.18	
☐ Decachlorobiphenyl	A	0.119749				1.09	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.93**	
3.16	3.18	3.20	973503.9	3.795571			1
3.37	3.40	3.41	961855.8	3.672606			2
3.49	3.51	3.53	1058539	3.590009			3
3.71	3.73	3.75	1275479	3.904354			4
3.76	3.79	3.80	1001536	3.74826			5
3.96	3.98	4.00	815083.5	3.804409			6
Height summation:			**6085997.2**				
Concentration		CF:	**3.752535**	L:			
Aroclor-1260						**10.24**	
4.73	4.76	4.77	1777946	3.393906			1
5.03	5.05	5.07	939992.5	3.247451			2
5.20	5.23	5.24	980003.2	2.891489			3
5.37	5.39	5.41	984106.2	2.544779			4
5.61	5.63	5.65	2785053	2.970921			5
5.82	5.84	5.86	1486488	2.822709			6
Height summation:			**8953588.9**				
Concentration		CF:	**2.978543**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.46**	
2.88	2.90	2.92	5219962	3.693057			1
3.21	3.23	3.25	6436994	3.664648			2
3.40	3.42	3.44	7113407	4.030269			3
3.47	3.49	3.51	8038184	3.851042			4
3.63	3.65	3.67	6738296	3.842338			5
3.72	3.74	3.76	5796766	3.857468			6
Height summation:			**39343609**				
Concentration		CF:	**3.823137**	L:			
Aroclor-1260						**6.09**	
4.31	4.33	4.35	12054210	3.415548			1
4.44	4.46	4.48	13485240	3.240182			2
4.55	4.57	4.59	11111700	3.318401			3
4.90	4.92	4.94	7687345	2.986626			4
5.09	5.11	5.13	17687320	3.028012			5
5.35	5.37	5.39	11558920	2.958113			6
Height summation:			**73584735**				
Concentration		CF:	**3.157814**	L:			

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Data Summary

Sample Name: LCSA 5/18/17 AF LCS19138 LCS Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 15:36:19
Instrument	17342A
Result file	20PCBS17137003.014.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 20, 2017 15:36:19
Instrument	17342B
Result file	20PCBS17137003B.014.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	3.823137	0.4	0.08		1.86	4	
☐ PCB-1221			<0.4	<0.08			3	
☐ PCB-1232			<0.4	<0.16			4	
☐ PCB-1242			<0.4	<0.08			4	
☐ PCB-1248			<0.4	<0.08			4	
☐ PCB-1254			<0.4	<0.08			4	
☐ PCB-1260	B	3.157814	0.4	0.12		5.84	4	
☐ PCB-1262			<0.4	<0.16			4	
☐ PCB-1268			<0.4	<0.128			4	
☐ Total PCBs	A	6.980951	0.4	0.08				

Units: ug/l

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Jessica L. Miller, Senior Chemist
Date: MAY 21 2017

Verified by:
Date: MAY 22 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/18/17 AF LCS19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342A
Result file : 20PCBS17137003.014.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 92% (33-137) Conc.: 0.268281
%SSR(DCB) : 41% (10-148) Conc.: 0.119749

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.93	
3.16	3.18	3.20	973503.9	3.795571			1
3.37	3.40	3.41	961855.8	3.672606			2
+ 3.37	3.41	3.41	423394.8	1.616627			2
3.49	3.51	3.53	1058539	3.590009			3
3.71	3.73	3.75	1275479	3.904354			4
3.76	3.79	3.80	1001536	3.74826			5
3.96	3.98	4.00	815083.5	3.804409			6
Height Summation:			**6085997.2**				
Amount Avg CF:				**3.752535** Linear:			
Aroclor-1221					3	35.80	
3.06	3.08	3.10	176748.8	1.438563			1
+ 3.11	3.12	3.15	11394.04	0.10727			2
E 3.11	3.14	3.15	191571	1.803562			2
E 3.16	3.18	3.20	973503.9	2.837012			3
Height Summation:			**1341823.7**				
Amount Avg CF:				**2.026379** Linear:			
Aroclor-1232					6	29.28	
E 3.16	3.18	3.20	973503.9	3.162745			1
E 3.38	3.40	3.42	961855.8	7.765924			2
E+ 3.38	3.41	3.42	423394.8	3.418446			2
E 3.49	3.51	3.53	1058539	7.789078			3
E 3.71	3.73	3.75	1275479	8.651738			4
E 3.77	3.79	3.81	1001536	8.665389			5
E 3.96	3.98	4.00	815083.5	9.122932			6
Height Summation:			**6085997.2**				
Amount Avg CF:				**7.526301** Linear:			
Aroclor-1242					6	3.99	
E 3.16	3.18	3.20	973503.9	4.430556			1
E 3.38	3.40	3.42	961855.8	4.433064			2
E+ 3.38	3.41	3.42	423394.8	1.95137			2
E 3.49	3.51	3.53	1058539	4.455423			3
E 3.71	3.73	3.75	1275479	4.772249			4
E 3.77	3.79	3.81	1001536	4.786113			5
E 3.96	3.98	4.00	815083.5	4.764689			6
Height Summation:			**6085997.2**				
Amount Avg CF:				**4.607016** Linear:			
Aroclor-1248					6	48.35	
3.76	3.79	3.80	1001536	6.903723			1
3.83	3.86	3.87	749557.9	2.841097			2
3.96	3.98	4.00	815083.5	2.623329			3
4.05	4.07	4.09	815521	3.157414			4
4.23	4.23	4.27	864115	2.824174			5
+ 4.23	4.25	4.27	224073.8	0.732337			5
4.61	4.63	4.65	577769.9	2.575956			6
Height Summation:			**4823583.3**				
Amount Avg CF:				**3.487616** Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342B
Result file : 20PCBS17137003B.014.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 91% (33-137) Conc.: 0.265123
%SSR(DCB) : 40% (10-148) Conc.: 0.11845

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.46	
2.88	2.90	2.92	5219962	3.693057			1
3.21	3.23	3.25	6436994	3.664648			2
+ 3.40	3.41	3.44	290746.3	0.164729			3
3.40	3.42	3.44	7113407	4.030269			3
3.47	3.49	3.51	8038184	3.851042			4
3.63	3.65	3.67	6738296	3.842338			5
+ 3.72	3.73	3.76	1607921	1.069994			6
3.72	3.74	3.76	5796766	3.857468			6
Height Summation:			**39343609**				
Amount Avg CF:				**3.823137** Linear:			
Aroclor-1221					3	30.20	
2.77	2.79	2.81	1087292	1.457607			1
E 2.83	2.85	2.87	1110106	2.414156			2
E 2.88	2.90	2.92	5219962	2.73649			3
Height Summation:			**7417360**				
Amount Avg CF:				**2.202751** Linear:			
Aroclor-1232					6	31.56	
E 2.88	2.90	2.92	5219962	3.022857			1
E 3.21	3.23	3.25	6436994	7.712802			2
+ 3.40	3.41	3.44	290746.3	0.389391			3
E 3.40	3.42	3.44	7113407	9.52685			3
E 3.47	3.49	3.51	8038184	8.762493			4
E 3.66	3.68	3.70	2427704	9.690575			5
E+ 3.66	3.70	3.70	2330782	9.303695			5
E+ 3.73	3.73	3.77	1607921	2.44808			6
E 3.73	3.74	3.77	5796766	8.82565			6
Height Summation:			**35033017**				
Amount Avg CF:				**7.923538** Linear:			
Aroclor-1242					6	6.45	
E 2.88	2.90	2.92	5219962	4.29509			1
E 3.21	3.23	3.25	6436994	4.43491			2
+ 3.40	3.41	3.44	290746.3	0.203701			3
E 3.40	3.42	3.44	7113407	4.983764			3
E 3.47	3.49	3.51	8038184	4.927485			4
E 3.64	3.65	3.68	6738296	5.016889			5
+ 3.73	3.73	3.77	1607921	1.336516			6
E 3.73	3.74	3.77	5796766	4.818314			6
Height Summation:			**39343609**				
Amount Avg CF:				**4.746075** Linear:			
Aroclor-1248					6	79.20	
+ 3.40	3.41	3.44	290746.3	0.41767			1
E 3.40	3.42	3.44	7113407	10.218722			1
3.51	3.53	3.55	5226958	2.662291			2
3.63	3.65	3.67	6738296	2.747051			3
+ 3.72	3.73	3.76	1607921	0.907831			4
3.72	3.74	3.76	5796766	3.272851			4
3.86	3.88	3.90	7493446	2.233682			5
+ 4.22	4.22	4.26	1240722	0.83648			6
+ 4.22	4.24	4.26	1287682	0.86814			6
4.22	4.25	4.26	3550811	2.393915			6
Height Summation:			**35919684**				
Amount Avg CF:				**3.921418** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/18/17 AF LCS19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342A
Result file : 20PCBS17137003.014.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**107.18**	
4.21	4.23	4.25	864115	2.395326			1
+ 4.55	4.57	4.59	85451.89	0.235701			2
4.55	4.59	4.59	168332.4	0.464309			2
4.61	4.63	4.65	577769.9	0.789058			3
E 4.73	4.76	4.77	1777946	8.089549			4
4.83	4.85	4.87	288600	0.596422			5
5.14	5.16	5.18	2281187	4.589348			6
Height Summation:			**5957950.3**				
Amount Avg CF:			**2.820669**	Linear:			
Aroclor-1260					**6**	**10.24**	
4.73	4.76	4.77	1777946	3.393906			1
5.03	5.05	5.07	939992.5	3.247451			2
5.20	5.23	5.24	980003.2	2.891489			3
+ 5.37	5.37	5.41	33171.64	0.085778			4
5.37	5.39	5.41	984106.2	2.544779			4
5.61	5.63	5.65	2785053	2.970921			5
5.82	5.84	5.86	1486488	2.822709			6
Height Summation:			**8953588.9**				
Amount Avg CF:			**2.978543**	Linear:			
Aroclor-1262					**6**	**42.90**	
5.21	5.23	5.24	980003.2	1.570458			1
+ 5.37	5.37	5.41	33171.64	0.065801			2
E 5.37	5.39	5.41	984106.2	1.952118			2
E 5.61	5.63	5.65	2785053	2.28573			3
E 5.81	5.84	5.85	1486488	2.207522			4
+ 5.87	5.88	5.91	101104.1	0.303089			5
5.87	5.89	5.91	130398.7	0.390908			5
6.25	6.27	6.29	568426.6	1.400661			6
Height Summation:			**6934475.7**				
Amount Avg CF:			**1.634566**	Linear:			
Aroclor-1268					**6**	**126.63**	
5.81	5.84	5.85	1486488	0.992736			1
+ 5.87	5.88	5.91	101104.1	0.077387			2
5.87	5.89	5.91	130398.7	0.09981			2
6.00	6.02	6.04	36055.03	0.029596			3
6.07	6.09	6.11	38278.93	0.137056			4
6.25	6.27	6.29	568426.6	1.129643			5
6.45	6.46	6.49	148297.3	0.03766			6
Height Summation:			**2407944.56**				
Amount Avg CF:			**0.404417**	Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342B
Result file : 20PCBS17137003B.014.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**121.51**	
4.16	4.18	4.19	1601895	0.612998			1
+ 4.22	4.22	4.26	1240722	0.267584			2
+ 4.22	4.24	4.26	1287682	0.277712			2
4.22	4.25	4.26	3550811	0.765796			2
4.31	4.33	4.35	12054210	5.588516			3
4.38	4.40	4.42	1314172	0.421616			4
4.44	4.46	4.48	13485240	7.512769			5
4.60	4.62	4.64	1279010	0.584887			6
Height Summation:			**33285338**				
Amount Avg CF:			**2.581097**	Linear:			
Aroclor-1260					**6**	**6.09**	
4.31	4.33	4.35	12054210	3.415548			1
4.44	4.46	4.48	13485240	3.240182			2
4.55	4.57	4.59	11111700	3.318401			3
4.90	4.92	4.94	7687345	2.986626			4
5.09	5.11	5.13	17687320	3.028012			5
5.35	5.37	5.39	11558920	2.958113			6
Height Summation:			**73584735**				
Amount Avg CF:			**3.157814**	Linear:			
Aroclor-1262					**6**	**29.20**	
4.71	4.73	4.75	5711650	1.409741			1
E 4.90	4.92	4.94	7687345	1.907398			2
E 5.09	5.11	5.13	17687320	2.307254			3
5.31	5.33	5.35	3317474	1.044362			4
E 5.35	5.37	5.39	11558920	2.260697			5
5.73	5.75	5.77	4089210	1.477793			6
Height Summation:			**50051919**				
Amount Avg CF:			**1.734541**	Linear:			
Aroclor-1268					**6**	**116.63**	
5.31	5.33	5.35	3317474	0.32067			1
5.35	5.37	5.39	11558920	1.103548			2
5.51	5.53	5.55	247403.5	0.027493			3
5.57	5.59	5.61	202076.6	0.092881			4
5.73	5.75	5.77	4089210	1.159823			5
5.93	5.95	5.97	1050296	0.039196			6
Height Summation:			**20465380.1**				
Amount Avg CF:			**0.457269**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		1.86	4	40	
Aroclor-1221			0.4	0.08	E	8.34	3	5	
Aroclor-1232			0.4	0.16	E	5.14	4	10	
Aroclor-1242			0.4	0.08	E	2.97	4	30	
Aroclor-1248			0.4	0.08		11.71	4	40	
Aroclor-1254			0.4	0.08	E	8.87	4	40	
Aroclor-1260			0.4	0.12		5.84	4	40	
Aroclor-1262			0.4	0.16	E	5.93	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 5/18/17 AF LCS19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342A
Result file : 20PCBS17137003.014.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Analysis Report (B)

Injected on : May 20, 2017 15:36:19
Instrument : CP20--17342B
Result file : 20PCBS17137003B.014.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			0.4	0.128		12.27	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: LCSA 5/18/17 AF ABLCS19138 LCS 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:36:19 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.014.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.038		1295	1335
2.099		965	977
2.13		16560	11584
2.172		10430	7858
2.196		1843	1108
2.218		11746	9038
2.31		3475	1853
2.329		5692	3634
2.388		15672	11684
2.426		1520	1214
2.476		38922	26869
2.566		10858	8362
2.617		4125	2627
2.657		1799	1540
2.744		1250	1771
2.782		7718	5299
2.83		929	522
2.877		10398	6888
2.925	TCX	3810949	2522005
3.043		1184	627
3.078		176749	154435
3.12		11394	4726
3.135		191571	123292
3.183		973504	692817
3.237		24810	15395
3.256		2327	962
3.276		128514	87573
3.314		3929	2741
3.363		1278	679
3.397		961856	578030
3.414		423395	223553
3.451		109528	64548
3.466		33024	14055
3.483		84802	50064
3.513		1058539	798595
3.548		4787	2421
3.562		3453	1666
3.587		43344	30198
3.623		220563	124740
3.637		104041	51380
3.682		421467	264863
3.693		1162486	595083
3.729		1275479	935559
3.788		1001536	792799
3.828		81077	55923
3.855		749558	516715
3.883		520928	439618
3.903		144472	76635
3.978		815084	585105
4.003		270968	176897
4.033		291640	219595
4.07		815521	845901
4.109		245166	201595
4.154		38360	29728

RT A	Compound A	Height A	Area A
4.194		44218	38253
4.227		864115	650536
4.248		224074	130731
4.272		234430	169477
4.338		124976	110276
4.381		884938	819635
4.416		24779	15722
4.479		9298	7998
4.519		103134	103566
4.573		85452	56687
4.588		168332	108007
4.634		577770	497711
4.679		785555	842039
4.717		174237	122021
4.756		1777946	1635777
4.799		12719	13455
4.847		288600	308914
4.877		20799	13035
4.903		301678	266598
4.955		2068915	2500596
5.005		314585	288258
5.048		939993	1018611
5.091		12542	7311
5.128		183377	218077
5.164		2281187	2151796
5.186		67287	32061
5.226		980003	880980
5.27		595505	581347
5.373		33172	63219
5.39		984106	892014
5.449		549554	501298
5.489		278170	252222
5.529		60519	60051
5.574		407184	391327
5.63		2785053	2783462
5.713		2234	2721
5.836		1486489	1518221
5.877		101104	128230
5.89		130399	87678
6.021		36055	35910
6.086		38279	31333
6.108		226948	199295
6.266		568427	573982
6.309		39886	38170
6.464		148297	158791
6.609	DCB	1030083	1083413
7.147		636	608
7.279		674	304
7.733		724	1748
7.922		779	2908

LANCASTER LABORATORIES

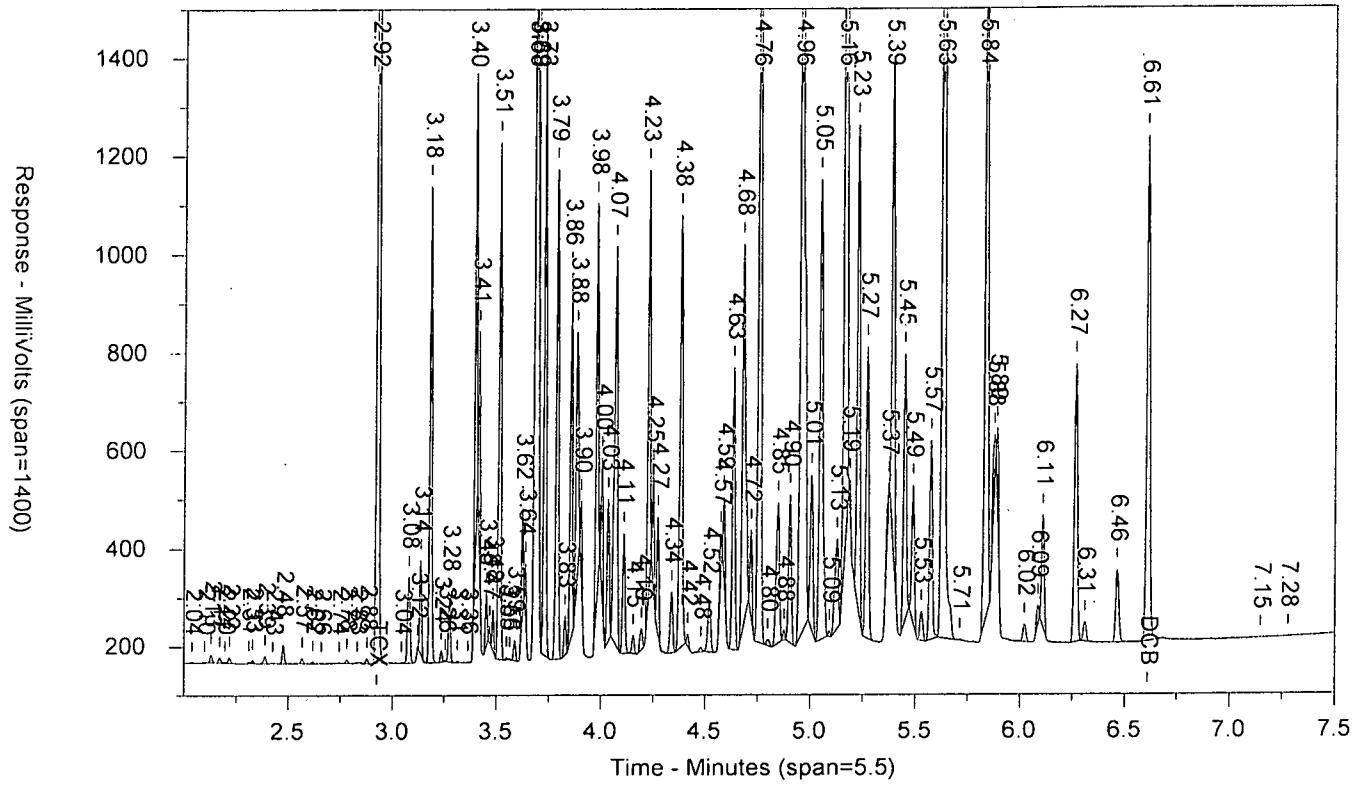
Sample Number: LCSA 5/18/17 AF ABLCS19138 LCS 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:36:19 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 20pcbs17137003B.014.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.005		1794	897
2.038		3172	1562
2.054		38163	23998
2.097		254122	143131
2.115		100310	50511
2.146		6684	6403
2.187		4853	2820
2.233		20365	36001
2.301		59895	45815
2.354		35421	28164
2.397		51760	29642
2.435		8418	3977
2.452		3266	2278
2.476		5769	4085
2.549		4264	1758
2.573		14733	10032
2.616	TCX	22910260	13443720
2.659		400246	288256
2.736		5548	3314
2.787		1087292	699940
2.814		157863	83536
2.848		1110106	692911
2.9		5219962	3130910
2.924		121553	57408
2.949		21535	12509
3.011		671698	430268
3.046		4674	3710
3.106		4504208	2191585
3.117		1578545	580276
3.157		799441	491435
3.179		401180	225485
3.204		577882	317704
3.228		6436995	4290172
3.264		284426	162574
3.31		1809369	948580
3.326		1036078	492063
3.352		11507	5287
3.376		3661220	1809487
3.385		8160742	3502750
3.405		290746	103638
3.418		7113407	4607509
3.493		8038184	4851630
3.528		5226958	3189852
3.551		6013941	3145016
3.569		1822077	910152
3.654		6738296	4235632
3.676		2427704	1287147
3.697		2330782	1340669
3.726		1607921	775497
3.743		5796766	3294472
3.784		1801100	1341018
3.832		305161	264008
3.854		1419575	871717
3.876		7493446	4660782

RT B	Compound B	Height B	Area B
3.901		1557664	925339
3.92		235010	112508
3.939		768746	479688
3.974		5658096	3881943
4.008		276574	170643
4.023		439325	292082
4.072		9797	6439
4.085		42237	24526
4.118		472040	531566
4.151		13265	6250
4.175		1601895	1108580
4.218		1240722	738992
4.236		1287683	666649
4.249		3550811	1918411
4.276		2106930	2127320
4.327		12054210	8890070
4.374		171937	154127
4.397		1314172	872973
4.421		2521041	1826660
4.465		13485240	10347630
4.567		11111700	10375080
4.62		1279010	1080456
4.659		2883325	2452656
4.695		14512700	11687730
4.727		5711650	3865910
4.765		4143908	3195827
4.835		18189	22288
4.865		1442831	1507787
4.916		7687345	6002653
4.94		1198688	754366
4.99		3892624	3434979
5.026		1962003	1555342
5.056		1440040	1180303
5.088		727490	433650
5.11		17687320	14241120
5.152		362492	273963
5.184		621642	502274
5.257		4874	3715
5.302		174922	111079
5.325		3317474	2636823
5.37		11558920	12198720
5.465		5578	3372
5.49		9434	6048
5.526		247404	223499
5.57		311593	233613
5.594		202077	146868
5.643		1821726	1531262
5.749		4089210	3389174
5.78		223222	171009
5.948		1050296	921350
6.107	DCB	7213309	6416319
6.282		6518	6812
6.882		1646	2584
7.127		2945	3213
7.364		2608	3742
7.592		3303	5421
7.721		2588	3318
7.914		1530	2475
7.996		1498	2093
8.211		18765	35501

LCSA 5/18/17 AF ABLCS19138 LCS 171380019A 10227 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137003.014.RAW



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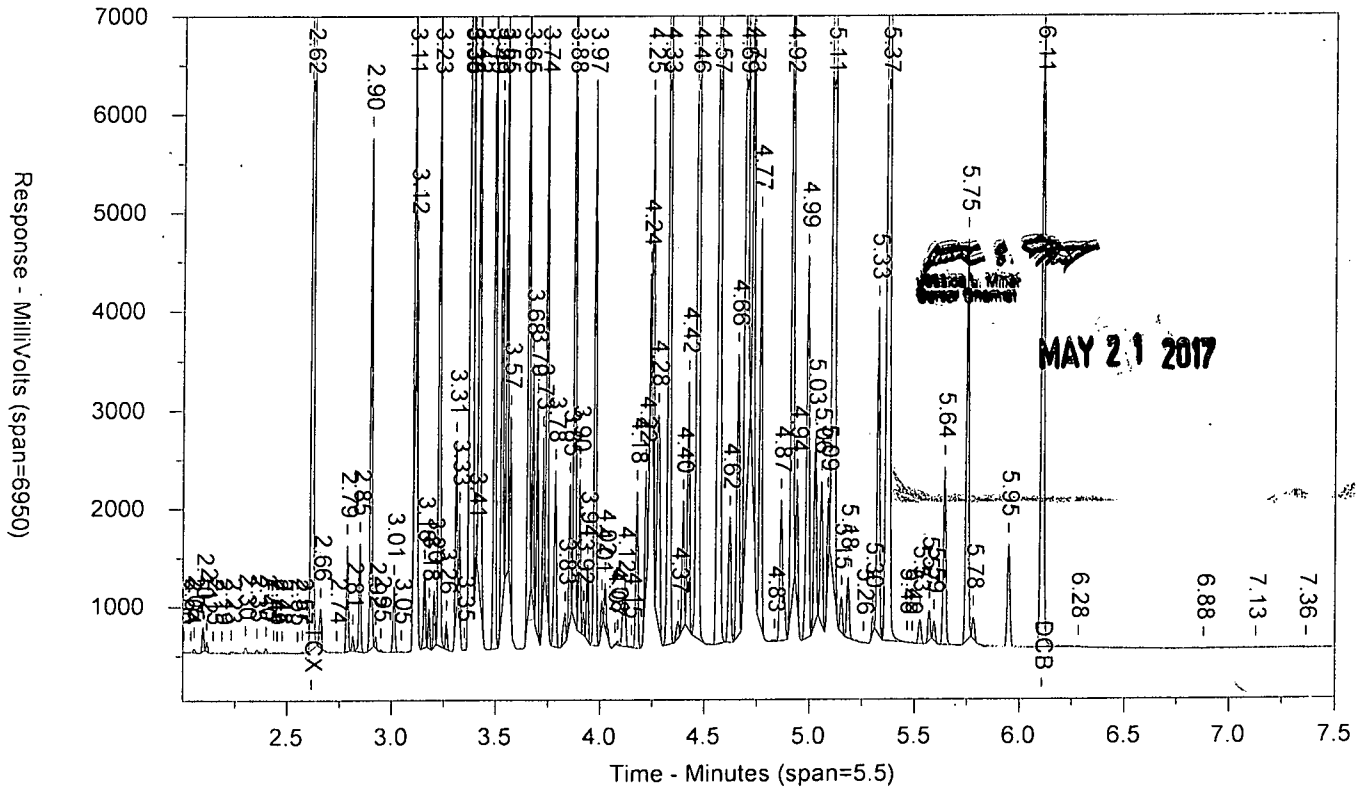


MAY 21 2017

LANCASTER LABORATORIES

Sample Number: LCSA 5/18/17 AF ABLCS19138 LCS 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:36:19 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
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: 5
Calibration Type: external
Quantitation: Height

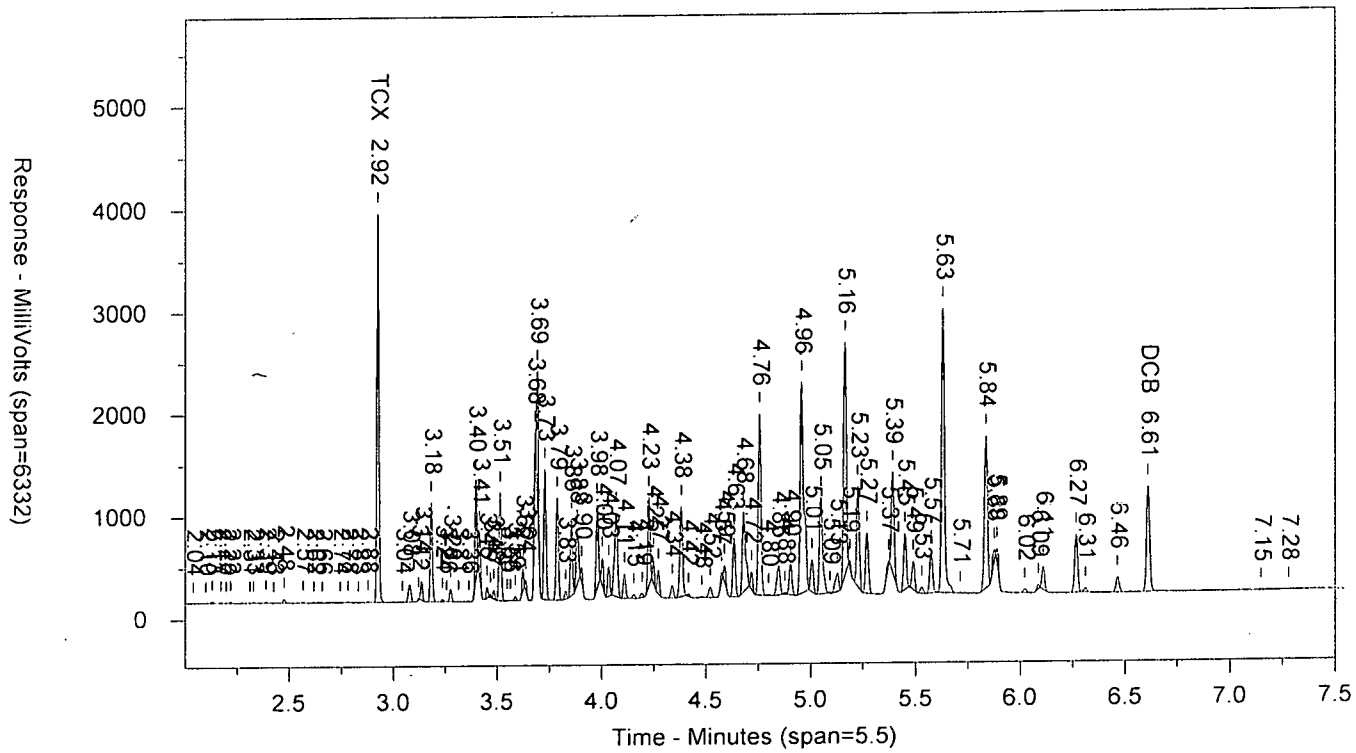
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.925	3810949	.268	TCX	2.616	22910260	.265	TCX
6.609	1030083	.12	DCB	6.107	7213309	.118	DCB

Files:
Area File: 20pcbs17137003.014.RAW
Area File: 20pcbs17137003B.014.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 3:45:02 PM
File Reported On: 5/20/2017 at 3:45:10 PM

LCSA 5/18/17 AF ABLCS19138 LCS 171380019A 10227 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP20\20pcbs17137003.014.RAW



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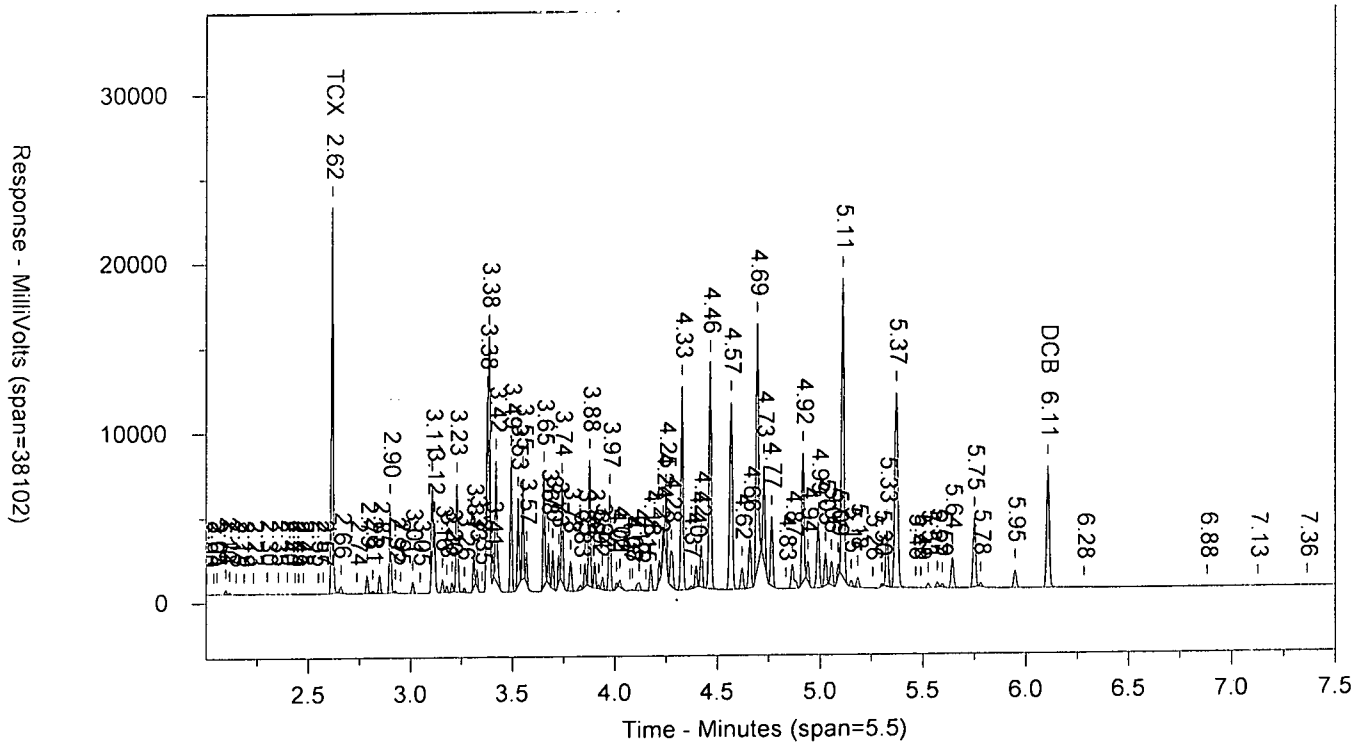

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Data Summary

Sample Name: LCSDA 5/18/17 AF LCSD19138 LCSD Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 15:47:36
Instrument	17342A
Result file	20PCBS17137003.015.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

%SSR(TCX) 72% (33 - 137) Conc: 0.211256
%SSR(DCB) 91% (10 - 148) Conc: 0.266977

Analysis Report (B)

Injected on	May 20, 2017 15:47:36
Instrument	17342B
Result file	20PCBS17137003B.015.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

%SSR(TCX) 72% (33 - 137) Conc: 0.210577
%SSR(DCB) 88% (10 - 148) Conc: 0.258519

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.89	2.92	2.95	3000904	0.211256
Decachlorobiphenyl	6.58	6.61	6.64	2296550	0.266977

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.59	2.62	2.65	18196690	0.210577
Decachlorobiphenyl	6.08	6.11	6.14	15743120	0.258519

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	A	0.211256				0.32	
☐ Decachlorobiphenyl	A	0.266977				3.22	

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**3.24**	
3.16	3.18	3.20	837793.7	3.266454			1
3.37	3.40	3.41	835900.1	3.191676			2
3.49	3.51	3.53	920005.9	3.120177			3
3.71	3.73	3.75	1107158	3.389109			4
3.76	3.79	3.80	868680.9	3.251048			5
3.96	3.98	4.00	724895.3	3.383455			6
Height summation:			**5294433.9**				
Concentration		CF:	**3.266987**	L:			
Aroclor-1260						**5.80**	
4.73	4.75	4.77	1880171	3.589043			1
5.03	5.05	5.07	1025364	3.54239			2
5.20	5.23	5.24	1226136	3.617702			3
5.37	5.39	5.41	1245679	3.221174			4
5.61	5.63	5.65	3623891	3.865741			5
5.82	5.83	5.86	1906096	3.619508			6
Height summation:			**10907337**				
Concentration		CF:	**3.575926**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.30**	
2.88	2.90	2.92	4647640	3.288147			1
3.21	3.23	3.25	5770394	3.285146			2
3.40	3.42	3.44	5716052	3.238564			3
3.47	3.49	3.51	6967523	3.338095			4
3.63	3.65	3.67	5644410	3.218578			5
3.72	3.74	3.76	4949888	3.293911			6
Height summation:			**33695907**				
Concentration		CF:	**3.277074**	L:			
Aroclor-1260						**3.50**	
4.31	4.33	4.35	12279240	3.47931			1
4.44	4.46	4.48	15263570	3.667472			2
4.55	4.57	4.59	12065790	3.603331			3
4.90	4.91	4.94	9469797	3.67913			4
5.09	5.11	5.13	22575820	3.864908			5
5.35	5.37	5.39	14583550	3.732165			6
Height summation:			**86237767**				
Concentration		CF:	**3.671053**	L:			

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Data Summary

Sample Name: LCSDA 5/18/17 AF LCSD19138 LCSD Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	May 20, 2017 15:47:36
Instrument	17342A
Result file	20PCBS17137003.015.RAW
Calibration file	20PCBS1713701
Method file	20PCBS

Analysis Report (B)

Injected on	May 20, 2017 15:47:36
Instrument	17342B
Result file	20PCBS17137003B.015.RAW
Calibration file	20PCBS1713701B
Method file	20PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	3.277074	0.4	0.08		0.31	4	
☐ PCB-1221			<0.4	<0.08			3	
☐ PCB-1232			<0.4	<0.16			4	
☐ PCB-1242			<0.4	<0.08			4	
☐ PCB-1248			<0.4	<0.08			4	
☐ PCB-1254			<0.4	<0.08			4	
☐ PCB-1260	B	3.671053	0.4	0.12		2.63	4	
☐ PCB-1262			<0.4	<0.16			4	
☐ PCB-1268			<0.4	<0.128			4	
☐ Total PCBs	A	6.948126	0.4	0.08				

Units: ug/l

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

Reviewed by: Jessica L. Miller, Senior Chemist
Date: MAY 21 2017

Verified by: Valerie L. Tomayko, Principal Specialist
Date: MAY 22 2017

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSDA 5/18/17 AF LCSD19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:47:36
Instrument : CP20--17342A
Result file : 20PCBS17137003.015.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

%SSR(TCX) : 72% (33-137) Conc.: 0.211256
%SSR(DCB) : 91% (10-148) Conc.: 0.266977

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.24	
3.16	3.18	3.20	837793.7	3.266454			1
3.37	3.40	3.41	835900.1	3.191676			2
+ 3.37	3.41	3.41	376029.9	1.435776			2
3.49	3.51	3.53	920005.9	3.120177			3
3.71	3.73	3.75	1107158	3.389109			4
3.76	3.79	3.80	868680.9	3.251048			5
3.96	3.98	4.00	724895.3	3.383455			6
Height Summation:			**5294433.9**				
Amount Avg CF:				**3.266986** Linear:			
Aroclor-1221					3	31.05	
3.06	3.08	3.10	161484.2	1.314324			1
E 3.11	3.13	3.15	185000.3	1.741702			2
E 3.16	3.18	3.20	837793.7	2.441522			3
Height Summation:			**1184278.2**				
Amount Avg CF:				**1.832516** Linear:			
Aroclor-1232					6	29.73	
E 3.16	3.18	3.20	837793.7	2.721846			1
E 3.38	3.40	3.42	835900.1	6.748971			2
E+ 3.38	3.41	3.42	376029.9	3.036027			2
E 3.49	3.51	3.53	920005.9	6.769706			3
E 3.71	3.73	3.75	1107158	7.509995			4
E 3.77	3.79	3.81	868680.9	7.515913			5
E 3.96	3.98	4.00	724895.3	8.113488			6
Height Summation:			**5294433.9**				
Amount Avg CF:				**6.56332** Linear:			
Aroclor-1242					6	4.62	
E 3.16	3.18	3.20	837793.7	3.812919			1
E 3.38	3.40	3.42	835900.1	3.852551			2
E+ 3.38	3.41	3.42	376029.9	1.733071			2
E 3.49	3.51	3.53	920005.9	3.872333			3
E 3.71	3.73	3.75	1107158	4.14247			4
E 3.77	3.79	3.81	868680.9	4.151229			5
E 3.96	3.98	4.00	724895.3	4.237481			6
Height Summation:			**5294433.9**				
Amount Avg CF:				**4.011497** Linear:			
Aroclor-1248					6	46.48	
3.76	3.79	3.80	868680.9	5.987935			1
3.83	3.85	3.87	639625.7	2.424414			2
3.96	3.98	4.00	724895.3	2.333061			3
4.05	4.07	4.09	725431.7	2.80862			4
4.23	4.23	4.27	782910.5	2.558774			5
+ 4.23	4.25	4.27	195221.3	0.638039			5
4.61	4.63	4.65	535557.6	2.387755			6
Height Summation:			**4277101.7**				
Amount Avg CF:				**3.083426** Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:47:36
Instrument : CP20--17342B
Result file : 20PCBS17137003B.015.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

%SSR(TCX) : 72% (33-137) Conc.: 0.210577
%SSR(DCB) : 88% (10-148) Conc.: 0.258519

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.30	
2.88	2.90	2.92	4647640	3.288147			1
3.21	3.23	3.25	5770394	3.285146			2
+ 3.40	3.40	3.44	237997.8	0.134843			3
3.40	3.42	3.44	5716052	3.238564			3
3.47	3.49	3.51	6967523	3.338095			4
3.63	3.65	3.67	5644410	3.218578			5
+ 3.72	3.72	3.76	1455560	0.968605			6
3.72	3.74	3.76	4949888	3.293911			6
Height Summation:			**33695907**				
Amount Avg CF:				**3.277073** Linear:			
Aroclor-1221					3	30.29	
2.77	2.79	2.81	965159.2	1.293877			1
E 2.83	2.85	2.87	981610.4	2.134715			2
E 2.88	2.90	2.92	4647640	2.436458			3
Height Summation:			**6594409.6**				
Amount Avg CF:				**1.955017** Linear:			
Aroclor-1232					6	30.22	
E 2.88	2.90	2.92	4647640	2.691428			1
E 3.21	3.23	3.25	5770394	6.914083			2
+ 3.40	3.40	3.44	237997.8	0.318746			3
E 3.40	3.42	3.44	5716052	7.655399			3
E 3.47	3.49	3.51	6967523	7.595356			4
E+ 3.66	3.67	3.70	1961208	7.82848			5
E 3.66	3.70	3.70	2073001	8.27472			5
E 3.73	3.74	3.77	4949888	7.536268			6
Height Summation:			**30124498**				
Amount Avg CF:				**6.777876** Linear:			
Aroclor-1242					6	4.02	
E 2.88	2.90	2.92	4647640	3.824172			1
E 3.21	3.23	3.25	5770394	3.975641			2
+ 3.40	3.40	3.44	237997.8	0.166745			3
E 3.40	3.42	3.44	5716052	4.004755			3
E 3.47	3.49	3.51	6967523	4.271159			4
E 3.64	3.65	3.68	5644410	4.202454			5
+ 3.64	3.67	3.68	1961208	1.460186			5
E 3.73	3.74	3.77	4949888	4.114383			6
Height Summation:			**33695907**				
Amount Avg CF:				**4.065427** Linear:			
Aroclor-1248					6	71.40	
+ 3.40	3.40	3.44	237997.8	0.341894			1
E 3.40	3.42	3.44	5716052	8.21136			1
3.51	3.53	3.55	4595958	2.340898			2
3.63	3.65	3.67	5644410	2.301098			3
+ 3.72	3.72	3.76	1455560	0.821808			4
3.72	3.74	3.76	4949888	2.794704			4
3.86	3.87	3.90	6789486	2.023842			5
+ 4.22	4.22	4.26	1057126	0.712702			6
+ 4.22	4.23	4.26	1187720	0.800747			6
4.22	4.25	4.26	3620584	2.440955			6
Height Summation:			**31316378**				
Amount Avg CF:				**3.352143** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSDA 5/18/17 AF LCSD19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on : May 20, 2017 15:47:36
Instrument : CP20--17342A
Result file : 20PCBS17137003.015.RAW
Calibration file : 20PCBS1713701.CAL
Method file : 20PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**111.45**	
4.21	4.23	4.25	782910.5	2.170227			1
+ 4.55	4.57	4.59	84279.2	0.232466			2
4.55	4.59	4.59	158093.1	0.436066			2
4.61	4.63	4.65	535557.6	0.731409			3
E 4.73	4.75	4.77	1880171	8.554667			4
4.83	4.85	4.87	283995.5	0.586906			5
5.14	5.16	5.18	2581966	5.194462			6
Height Summation:			**6222693.7**				
Amount Avg CF:			**2.945623**	Linear:			
Aroclor-1260					**6**	**5.80**	
4.73	4.75	4.77	1880171	3.589043			1
5.03	5.05	5.07	1025364	3.54239			2
5.20	5.23	5.24	1226136	3.617702			3
+ 5.37	5.37	5.41	39712.3	0.102691			4
5.37	5.39	5.41	1245679	3.221174			4
5.61	5.63	5.65	3623891	3.865741			5
5.82	5.83	5.86	1906096	3.619508			6
Height Summation:			**10907337**				
Amount Avg CF:			**3.575926**	Linear:			
Aroclor-1262					**6**	**40.26**	
E 5.21	5.23	5.24	1226136	1.964886			1
E 5.37	5.39	5.41	1245679	2.470986			2
E 5.61	5.63	5.65	3623891	2.974175			3
E 5.81	5.83	5.85	1906096	2.830665			4
+ 5.87	5.87	5.91	154088.8	0.461926			5
5.87	5.89	5.91	200880.8	0.602199			5
E 6.25	6.26	6.29	804514.2	1.982405			6
Height Summation:			**9007197**				
Amount Avg CF:			**2.137553**	Linear:			
Aroclor-1268					**6**	**123.46**	
5.81	5.83	5.85	1906096	1.272967			1
+ 5.87	5.87	5.91	154088.8	0.117943			2
5.87	5.89	5.91	200880.8	0.153758			2
6.00	6.02	6.04	55922.64	0.045905			3
6.07	6.08	6.11	64220.62	0.22994			4
6.25	6.26	6.29	804514.2	1.598823			5
6.45	6.46	6.49	210228.9	0.053387			6
Height Summation:			**3241863.16**				
Amount Avg CF:			**0.55913**	Linear:			

Analysis Report (B)

Injected on : May 20, 2017 15:47:36
Instrument : CP20--17342B
Result file : 20PCBS17137003B.015.RAW
Calibration file : 20PCBS1713701B.CAL
Method file : 20PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**125.09**	
4.16	4.17	4.19	1496006	0.572477			1
+ 4.22	4.22	4.26	1057126	0.227988			2
+ 4.22	4.23	4.26	1187720	0.256153			2
4.22	4.25	4.26	3620584	0.780843			2
4.31	4.33	4.35	12279240	5.692843			3
4.38	4.39	4.42	1288526	0.413388			4
E 4.44	4.46	4.48	15263570	8.503496			5
4.60	4.62	4.64	1472485	0.673363			6
Height Summation:			**35420411**				
Amount Avg CF:			**2.772735**	Linear:			
Aroclor-1260					**6**	**3.50**	
4.31	4.33	4.35	12279240	3.47931			1
4.44	4.46	4.48	15263570	3.667472			2
4.55	4.57	4.59	12065790	3.603331			3
4.90	4.91	4.94	9469797	3.67913			4
5.09	5.11	5.13	22575820	3.864908			5
5.35	5.37	5.39	14583550	3.732165			6
Height Summation:			**86237767**				
Amount Avg CF:			**3.671053**	Linear:			
Aroclor-1262					**6**	**26.57**	
E 4.71	4.73	4.75	7267579	1.793774			1
E 4.90	4.91	4.94	9469797	2.349664			2
E 5.09	5.11	5.13	22575820	2.944943			3
5.31	5.32	5.35	4498086	1.416026			4
E 5.35	5.37	5.39	14583550	2.852255			5
E 5.73	5.75	5.77	5843454	2.111757			6
Height Summation:			**64238286**				
Amount Avg CF:			**2.244736**	Linear:			
Aroclor-1268					**6**	**114.83**	
5.31	5.32	5.35	4498086	0.434789			1
5.35	5.37	5.39	14583550	1.392314			2
5.51	5.52	5.55	416351.4	0.046268			3
5.57	5.59	5.61	341287.2	0.156866			4
E 5.73	5.75	5.77	5843454	1.65738			5
5.93	5.95	5.97	1524020	0.056875			6
Height Summation:			**27206748.6**				
Amount Avg CF:			**0.624082**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0.4	0.08		0.31	4	40	
Aroclor-1221			0.4	0.08	E	6.47	3	5	
Aroclor-1232			0.4	0.16	E	3.22	4	10	
Aroclor-1242			0.4	0.08	E	1.34	4	30	
Aroclor-1248			0.4	0.08		8.35	4	40	
Aroclor-1254			0.4	0.08	E	6.05	4	40	
Aroclor-1260			0.4	0.12		2.63	4	40	
Aroclor-1262			0.4	0.16	E	4.89	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSDA 5/18/17 AF LCSD19138 Sample ID: AB **Batchnumber: 171380019A**
Sample Amount: 250 ml Total Volume: 2 ml Analyst: 9065 SDG: State:
Analyses: 10227

Analysis Report (A)

Injected on	: May 20, 2017 15:47:36
Instrument	: CP20--17342A
Result file	: 20PCBS17137003.015.RAW
Calibration file	: 20PCBS1713701.CAL
Method file	: 20PCBS.MET

Analysis Report (B)

Injected on	: May 20, 2017 15:47:36
Instrument	: CP20--17342B
Result file	: 20PCBS17137003B.015.RAW
Calibration file	: 20PCBS1713701B.CAL
Method file	: 20PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			0.4	0.128		10.98	4	40	

Units: ug/l

LANCASTER LABORATORIES

Sample Number: LCSDA 5/18/17 AF ABLCSD19138 LCSD 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:47:36 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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
Date File: 20pcbs17137003.015.RAW
Method File: 20PCBS.MET
Calibration File: 20pcbs1713701.CAL

RT A	Compound A	Height A	Area A
2.101		16849	20797
2.131		7008	3880
2.194		2389	1468
2.218		9418	6997
2.31		11380	7044
2.329		4271	2524
2.388		8036	6335
2.425		3054	2719
2.476		89436	59847
2.566		10404	9796
2.619		1103	641
2.649		2411	2931
2.777		79060	77319
2.829		2242	1232
2.877		7451	5861
2.925	TCX	3000905	2033976
3.044		1028	568
3.077		161484	144395
3.134		185000	146113
3.182		837794	601031
3.236		3421	2079
3.256		3121	1402
3.275		109221	74516
3.314		3016	2077
3.364		2208	1545
3.396		835900	506809
3.413		376030	196187
3.45		96661	56632
3.465		27959	11977
3.482		72378	42518
3.512		920006	691601
3.546		4090	2041
3.562		3154	1478
3.585		40848	27750
3.621		194351	111668
3.636		84576	43575
3.68		469130	266473
3.691		992692	512444
3.727		1107158	813959
3.787		868681	685878
3.826		69891	49804
3.854		639626	456388
3.881		462942	387254
3.901		112261	65253
3.977		724895	521954
4.001		236676	151020
4.032		268252	192834
4.067		725432	741027
4.107		220790	179044
4.153		35190	27214
4.191		38816	33909
4.226		782911	587062
4.246		195221	111701
4.269		212390	152311

RT A	Compound A	Height A	Area A
4.337		122037	104381
4.379		828788	775865
4.414		24224	15909
4.476		10474	9143
4.517		112749	119127
4.572		84279	53230
4.586		158093	106632
4.632		535558	470123
4.678		774503	870653
4.715		182311	128955
4.754		1880171	1694307
4.797		16344	15829
4.845		283996	311500
4.876		25103	15589
4.902		306605	287145
4.954		2227806	2716115
5.004		384478	339035
5.047		1025364	1117786
5.09		15654	9057
5.126		192439	232489
5.163		2581966	2366877
5.185		73992	35887
5.225		1226136	1095764
5.268		730642	725264
5.37		39712	77486
5.389		1245679	1112196
5.448		651868	607120
5.488		340874	301426
5.529		82105	79513
5.573		501006	474588
5.629		3623891	3636508
5.721		2576	2654
5.835		1906096	1972791
5.875		154089	172709
5.889		200881	128078
6.022		55923	56831
6.084		64221	47341
6.107		315698	271881
6.178		721	769
6.265		804514	797966
6.31		54240	53229
6.464		210229	222866
6.61	DCB	2296550	2348683
7.153		976	1426
7.271		649	970
7.322		4113	6037
7.577		681	906
7.941		905	8315
8.684		3789	5386

LANCASTER LABORATORIES

Sample Number: LCSDA 5/18/17 AF ABLCSD19138 LCSD 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:47:36 PM Injection Volume: 1 ul
Instrument ID: CP20-17342 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 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: 20pcbs17137003B.015.RAW
Method File: 20PCBSB.MET
Calibration File: 20pcbs1713701b.CAL

RT B	Compound B	Height B	Area B
2.006		34564	31127
2.054		28959	20585
2.097		585094	342110
2.115		38578	17366
2.158		5527	4216
2.187		4366	2416
2.231		24940	38981
2.301		54093	40639
2.366		18146	17767
2.397		137435	81690
2.439		2630	1593
2.479		6109	4808
2.548		174192	126370
2.572		8838	5030
2.616	TCX	18196690	10750790
2.659		342013	237520
2.71		3623	6294
2.787		965159	617923
2.814		124383	66912
2.847		981610	606219
2.9		4647640	2804020
2.949		17242	10120
3.01		581563	392107
3.106		5735888	5587938
3.157		634807	400712
3.178		359290	203045
3.203		501059	278153
3.227		5770395	3731107
3.263		267170	156448
3.309		1545496	809814
3.325		950128	457320
3.351		15242	7477
3.375		3360384	1608506
3.384		7305718	3116295
3.404		237998	87324
3.418		5716052	3704615
3.491		6967523	4191197
3.526		4595958	2792073
3.55		4976199	2800520
3.567		1555089	796166
3.62		3090	1116
3.653		5644411	3712390
3.675		1961208	1016358
3.695		2073001	1178664
3.724		1455560	729607
3.742		4949888	2904068
3.782		1617509	1193363
3.83		308773	268064
3.852		1316083	781050
3.874		6789486	4233738
3.899		1392743	826447
3.918		201927	102294
3.937		669430	422862
3.972		5475776	3680491

RT B	Compound B	Height B	Area B
4.007		280669	171728
4.022		409816	263596
4.07		12467	8742
4.082		38540	23288
4.108		115530	75106
4.116		149913	74444
4.149		23535	11978
4.174		1496006	1053035
4.217		1057126	625463
4.235		1187720	617852
4.248		3620584	2034046
4.275		2223753	2199071
4.326		12279240	9217850
4.372		190014	176128
4.395		1288526	860871
4.42		2698474	1956798
4.462		15263570	11409140
4.514		5263	5019
4.565		12065790	11240940
4.618		1472485	1244440
4.657		3313908	2793353
4.693		15338290	12937090
4.725		7267579	5029392
4.763		5089757	4021807
4.834		21846	27291
4.863		1776362	1824806
4.914		9469797	7366128
4.938		1232818	781182
4.988		4803360	4248753
5.025		2448542	1900818
5.054		1867097	1512014
5.085		846761	520300
5.108		22575820	18213120
5.149		472310	354922
5.182		870037	712963
5.3		224962	148767
5.324		4498086	3615642
5.369		14583550	15567850
5.488		9327	6072
5.525		416351	363593
5.568		403927	301024
5.593		341287	253016
5.641		2462651	2122059
5.748		5843454	4744095
5.779		333143	239667
5.948		1524020	1323816
6.106	DCB	15743120	13810350
6.233		23160	21137
6.279		7799	8441
6.57		2455	5941
6.727		4326	3539
6.818		23391	26233
6.953		2810	3363
7.241		2132	3961
7.303		3790	5516
7.461		3654	5251
7.596		2461	4300
7.838		3769	7357
8.213		17588	29101
8.549		1508	1267

LCSDA 5/18/17 AF ABLCSD19138 LCSD 171380019A 10227 SW-846 80

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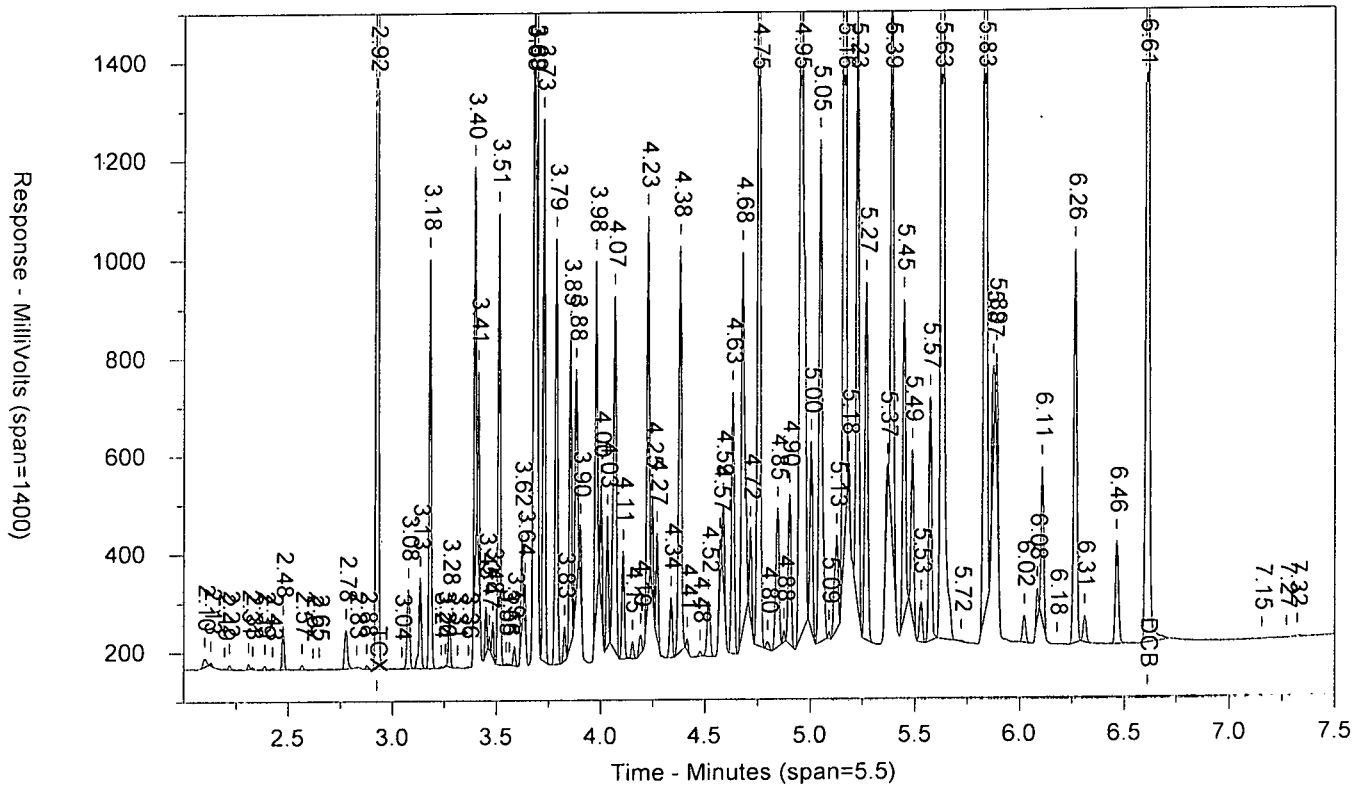

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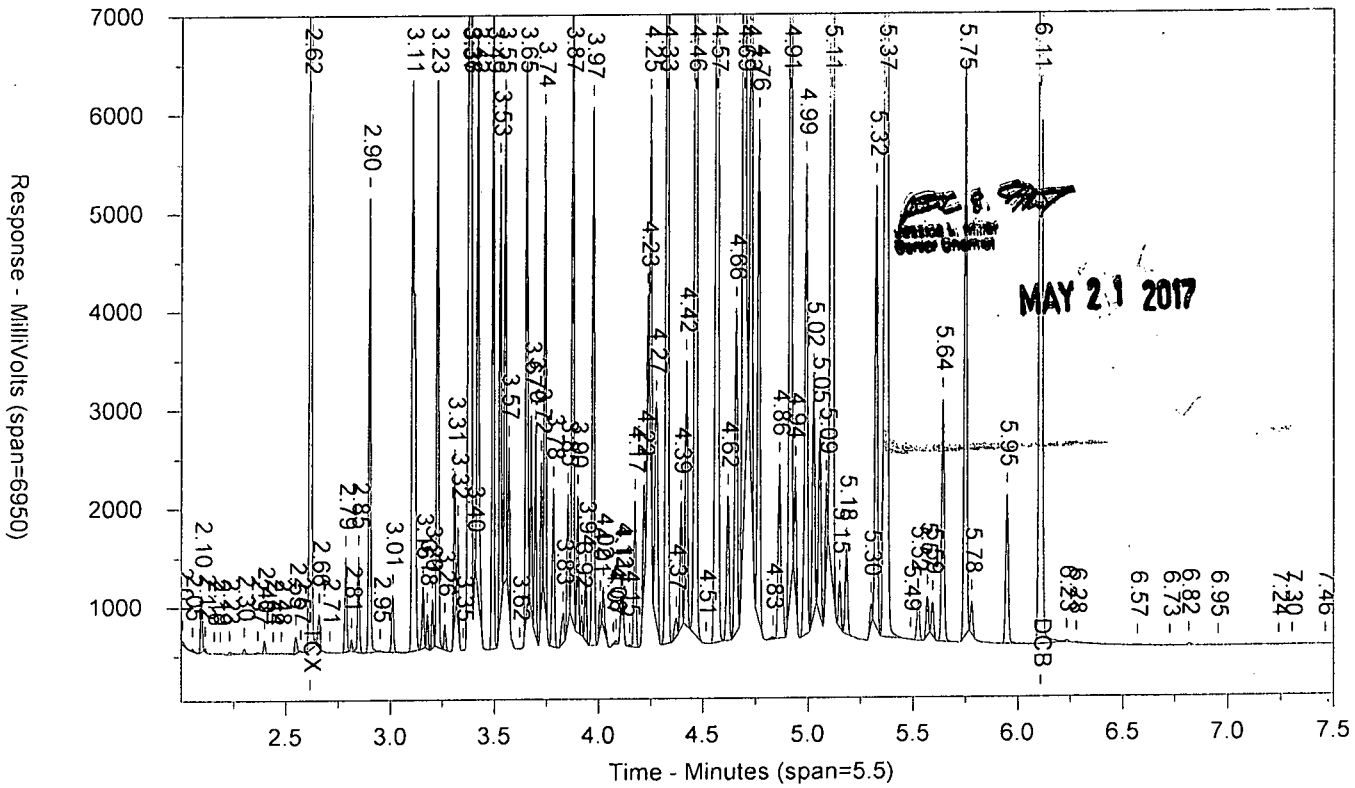

MAY 21 2017

LANCASTER LABORATORIES

Sample Number: LCSDA 5/18/17 AF ABLCSD19138 LCSD 171380019A 10227 SW-846 8082
Injected On: 5/20/2017 3:47:36 PM Sample Weight: 250
Instrument ID: CP20-17342 Dilution Factor: 2
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: 5
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
2.925	3000905	.211	TCX	2.616	18196690	.211	TCX
6.61	2296550	.267	DCB	6.106	15743120	.259	DCB

Files:
Area File: 20pcbs17137003.015.RAW
Area File: 20pcbs17137003B.015.RAW
Method A: 20PCBS.MET
Method B: 20PCBSB.MET
Calibration File A: 20pcbs1713701.CAL
Calibration File B: 20pcbs1713701b.CAL
Format A: pestD20.FMTA
Format B: pestD20.FMTB
Area File Created On: 5/20/2017 3:56:21 PM
File Reported On: 5/20/2017 at 3:56:28 PM

LCSDA 5/18/17 AF ABLCSD19138 LCSD 171380019A 10227 SW-846 80

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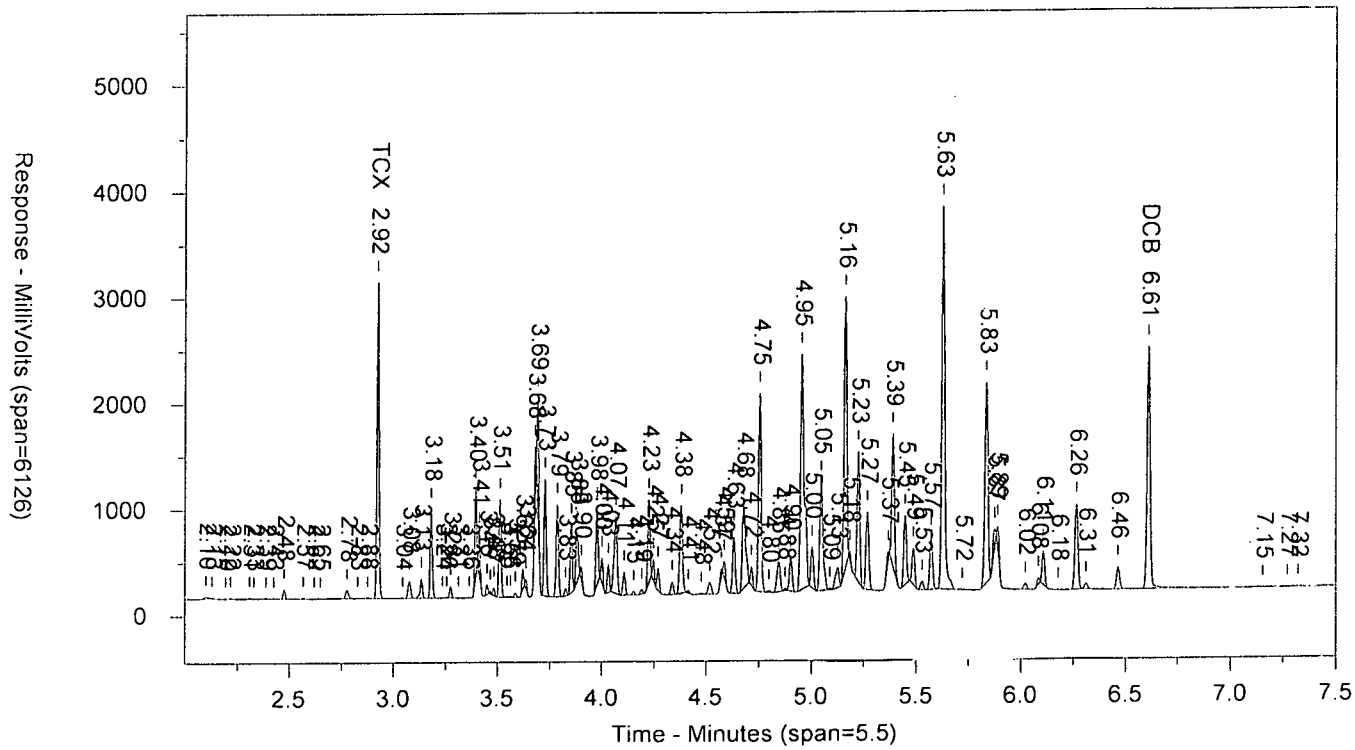

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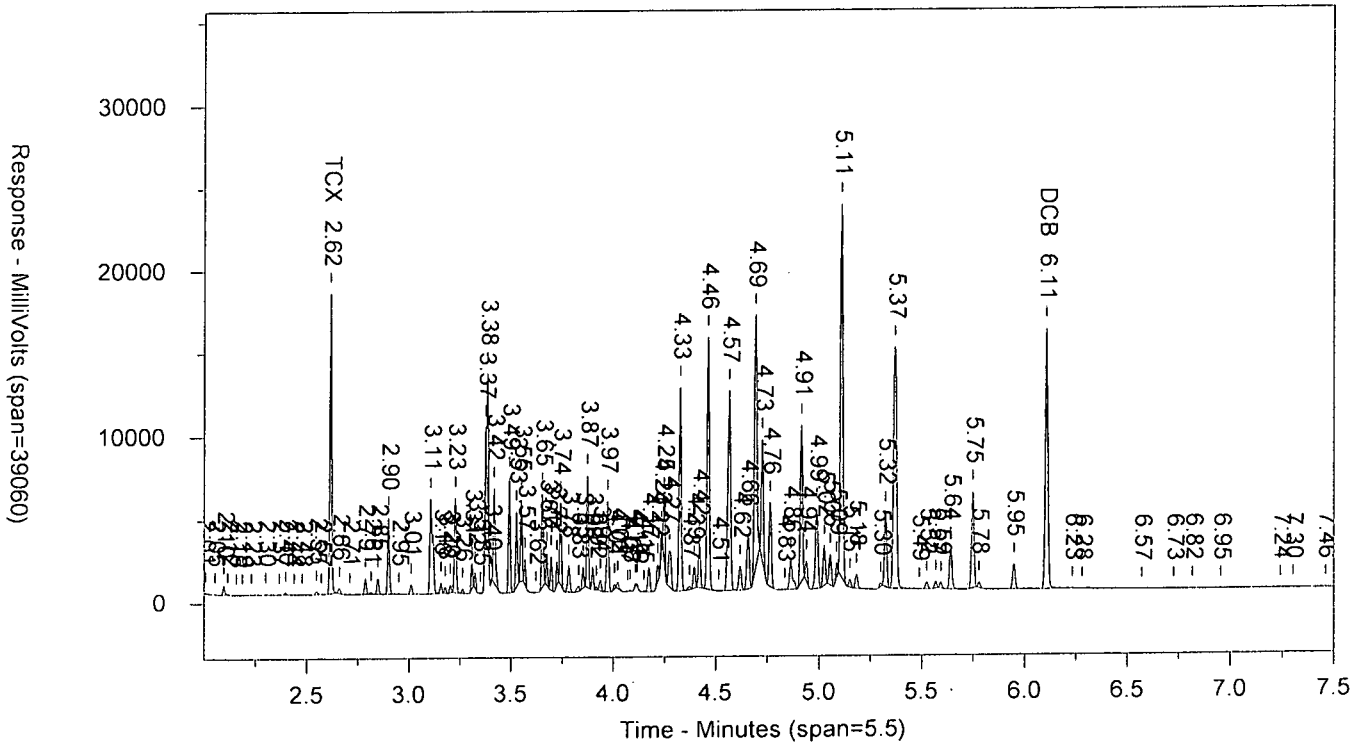

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

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/R

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: MRT 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

Organic Extraction Batchlog Assigned to: 701 Karen Beyer

Reviewed by: [illegible] Start Date: 5/18/17 Start time: 22:10

171380019A

Tech 1: [illegible] Tech 2:

Dept: 24	Prep Analysis: 11117 PCB Waters Extraction								PCBs in Water		
QC	Sample Code	Amt (g/L)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
BLANKA	PBLK19138	250	SS1713224A	1.0			2	6	NA	NA	
LCSA	LCS19138	250	SS1713224A	1.0	MS1712424A	1.0	2	6	NA	NA	
LCSDA	LCSD19138	250	SS1713224A	1.0	MS1712424A	1.0	2	6	NA	NA	

Solvent Used	Lot No.
Hexane	172893
Methylene Chloride	172287
Sodium Sulfate	171354

NA 5/18/17

Spike Solutions: Witness: NA

MS1712424A MINI SEP. PCB SPIKE

SS1713224A MINI SEP. SW846 SURR.

5/18/17

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	8991102 R	30714	248	SS1713224A	1.0	2	6	NA	153B	Clear	10227	12564	05/19/2017	S
2	8997965	HDD04	225	SS1713224A	1.0	2	8	NA	153B	Brown	10227	1687	05/30/2017	N
3	8997966	HDD05	248	SS1713224A	1.0	2	8	NA	153B	Brown	10227	1687	05/30/2017	N
4	8997967	HDD06	246	SS1713224A	1.0	2	8	NA	153C	Yellow	10227	1687	05/30/2017	N
5	8997968	HDD6D	246	SS1713224A	1.0	2	8	NA	153B	Yellow	10227	1687	05/30/2017	N
6	8998341	A4708	247	SS1713224A	1.0	2	6	NA	153B	Clear	10227	1868	05/30/2017	N

NA 5/18/17

5/18/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Bench 6	Micro Temp 100?
Internal Standard		Balance #	25996	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	95.2 C	S-bath ID	C	N-Evap	40.0 C	M-vap	C

171380019A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 11117 PCB Waters Extraction

Batch No: 171380019A

Verified: JM 8/5/7
Start Date: 7/19/17
Start Time: 03:50
Tech 1: WJ21
Tech 2: —

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8991102		2	2				10227
2	8997965							10227
3	8997966							10227
4	8997967							10227
5	8997968							10227
6	8998341							10227
7	BLANKA							
8	LCSA							
9	LCSDA							

WJ21

7/19/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Hexane	166592	—	—
—	—	—	—
—	—	—	—
—	—	—	—

Prep-Process Worksheet

Florisil
Prep: 11117 PCB Waters Extraction
Batch: 171380019A

Verified: [illegible]
Start Date: 5/18/17
Start Time: 04:30
Tech 1: [illegible]
Tech 2:

Sample #		QC	Aliquot (mL)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	8991102		2	2				10227
2	8997965							10227
3	8997966							10227
4	8997967							10227
5	8997968							10227
6	8998341							10227
7	BLANKA							
8	LCSA							
9	LCSDA							

[illegible] 5/18/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
Florisil	41411-CE		

S-Evap/bath	C	S-Evap/bath	C	N-Evap	C

The documented temperatures are NIST corrected.

Moisture Data

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CLIENT: Stantec
SDG: ATE47

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
8998332	A4701BKG
8998333	A4701MS
8998334	A4701MSD
8998335	A4702FD
8998336	A4703
8998337	A4704
8998338	A4705
8998339	A4706
8998340	A4707
8998342	A4709

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: 17143820006A	Sample number(s): 8998332-8998340, 8998342				
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: 17143820006A	Sample number(s): 8998332-8998340, 8998342			
Moisture	16.9	15.6	8*	5
Moisture	16.9	15.6	8*	5
Moisture Duplicate	16.9	15.6	8*	5

* - Outside of specification
(1) - The result for one or both determinations was less than five times the LOQ.

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CLIENT: **Stantec**
SDG: ATE47

MOISTURE

Moisture Data Report

Batch #: **17143820006**

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
8998332BKG	A	00111	1.1484	5.6012	5.8041	16.88	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998333MS	A	00118				16.88	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998334MSD	A	00118				16.88	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998334MSD	A	00121	1.1560	5.6329	5.9095	15.61	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998335FD	A	00111	1.1523	5.6380	6.5687	3.93	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998336	A	00111	1.1500	5.9389	6.2996	13.29	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998337	A	00111	1.1040	5.5564	6.2777	6.89	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998338	A	00111	1.1072	5.2316	6.0142	6.20	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998339	A	00111	1.0950	5.1204	6.0292	3.64	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998340	A	00111	1.1492	5.5402	6.0464	11.61	5/23/17 (835/LEB)	5/24/17 (236/CW)
8998342	A	00111	1.1123	5.9899	6.7549	5.80	5/23/17 (835/LEB)	5/24/17 (236/CW)
LCS 89.5% Std.		00111	1.1070	5.0888	1.6475	89.38	5/23/17 (835/LEB)	5/24/17 (236/CW)